EIGHT AND ONE-HALF MILE RELIEF DRAIN INTRA-COUNTY DRAINAGE BOARD OCTOBER 24, 2022 10:15 A.M. AGENDA

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

Call in Number: 1-585-532-5353 Access Code: 826 512 143

		Page
1.	Call of meeting to order and roll call	
2.	Approval of Agenda for October 24, 2022	
3.	Approval of Minutes for September 12, 2022	3
4.	Public Participation	
5.	Project & Operational Updates – Vince Astorino	6
6.	Chapaton Electrical Upgrades Design Proposal – Vince Astorino	21
	Motion: To approve the Tetra Tech design proposal for the Chapaton Electrical Upgrades project for \$225,000.	
7.	Chapaton Accusonic Flow Meters – Vince Astorino	24
	Motion: To approve the purchase and installation of Chapaton Accusonic Flow Meters from HESCO for \$224,227.38.	
8.	Consideration for approval of invoices (see attached)	30
9.	Financial Report – Bruce Manning	145
10.	Adjourn	

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

ALGER PS

PUMP STATION

Ø FLOW CONTROL STRUCTURE

FACILITY

RTB

GRAVITY INTERCEPTOR IN-SYSTEM STORAGE DEVICE

OVERFLOW POINT

LEVEL SENSOR

٥ RAIN GALIGE

М FLOW METER

PROJECT NO.

181053

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

2

USER: MESEDKI

An adjourned meeting of the Intra-County Drainage Board for the **EIGHT AND ONE-HALF MILE RELIEF DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham Clinton Township, Michigan on September 12, 2022, at 10:02 A.M.

PRESENT:

Brian Baker, Acting Chair

Veronica Klinefelt, Member

Bryan Santo, Member

ALSO PRESENT: Vince Astorino, Operations & Flow Manager; Stephen Downing, Construction and Maintenance Manager; Norb Franz, Communications Manager; Bruce Manning, Financial Manager; Pam Sonnenberg, Administrative Assistant; Tom Stockel, Construction Supervisor; Don VanSyckel, Macomb County Board of Commissioners

PRESENT VIA TELECONFERENCE: Scott Isenberg, Macomb County Public Works Engineer; Mary Shepard, Environmental and Safety Services Supervisor, City of Sterling Heights

The meeting was called to order by the Acting Chair, Brian Baker. 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 August 8, 2022 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 on the Chapaton Basin and said there had been no wet weather events for the past month, however there was a fire on September 2nd around midnight. St. Clair Shores Fire Department was mobilized. It is believed there was a surge from DTE that created a ground fault on the main power feed to the building which then caused damage to the power control transformer on Storm Pump #3. We had a spare transformer on the shelf and were able to have Colville replace the unit by the next afternoon. The last time this occurred, Storm Pump #1 was out of service for over 6 months. There was no damage to the pump.

Mr. Astorino added that they are in the planning phase right now of looking into replacing all of the electrical components at Chapaton as they are from 1968. He said Chapaton has had 3 fires in the last 4 years and believes it is time to update those components.

D'Agostini is doing a really good job on the Chapaton Basin and 9 Mile Drain Structural Repairs project. Repairs consist of chipping away damaged concrete, prepping the reinforcing steel and remaining concrete surfaces, and installing specialized concrete product flush to adjacent surfaces. Mr. VanSyckel asked why it was decided to put the columns back with in the same location as opposed to just moving it over 8 inches. Mr. Astorino said that the location is an ideal spot. He added that the contractor has to be done by October 1st.

The In-System Storage project is moving very well. DTE has relocated the power lines through the church parking lot. All of the utilities are out of the way, the fencing has been done and the site overall looks good. Weiss went into the tunnel and installed all of the ribbing which will provide extra structural support to the tunnel. He showed photos of the location where concrete will be removed and the drilling has now begun. Mr. Astorino has programmed our drone to record in the same location once a week to show progress. Site security has been pretty good, the gates are closed throughout the day.

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

Adopted:

YEAS: 3

NAYS: 0

Mr. Astorino presented a Change Order #1 from Weiss Construction regarding the 8-1/2 Mile Relief In-System Storage project. Over the course of the contract, there has been several changes resulting in a net increase of \$269,666.49. The DTE Power relocation resulted in an increase of \$190,864.90 which was not identified during the design. The Inflatable Bladder cost increased by \$123,500 due to various global supply chain issues as well as the Russia-Ukraine conflict. Finally, the ventilation and odor control at the Gaukler site was originally designed with a carbon canister and vent stack fenced in and above ground. After discussions with St. Clair Shores, they requested not to have the carbon canister above ground. MCPWO worked with Weiss to obtain costs to bury the canister and that cost was \$335,766. The decision was made to remove the canister and now the site will only have a vent stack that will activate only if there is an emergency which resulted in a credit of (\$35,686.93). Ms. Klinefelt asked if there will be any issues with removing the carbon canister and Mr. Astorino replied that he doesn't anticipate any issues, it was just an extra measure.

A motion was made by Ms. Klinefelt, supported by Mr. Santo to approve Change Order No. 1 with Weiss Construction for a net increase of \$269,666.49 and an additional 70 days for the In-System Storage project.

Adopted:

YEAS: 3

NAYS: 0

The Chair presented the invoices totaling \$906,384.52 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 Ms. Klinefelt and supported by Mr. Santo.

Adopted:

YEAS: 3

NAYS: 0

There being no further business, it was moved by Mr. Santo, supported by Mr. Baker, 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 10:22 A.M.

Brian Baker, Acting Chair

Macomb County Public Works Chief Deputy

STATE OF MICHIGAN COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taken by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on September 12, 2022 the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1975, including, in the case of a special or rescheduled meeting or a meeting secured for more than 36 hours, notice by posting at least 18 hours prior to the time set for the meeting.

Brian Baker, Acting Chair

Macomb County Public Works Chief Deputy

DATED: 09/12/22

Candice S. Miller



Public Works Commissioner Macomb County

To: 8 ½ Mile Relief Drain Drainage District Board Members

CC: File

From: Vincent Astorino, Operations & Flow Manager

Date: October 24, 2022

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

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

Wet Weather Operations

No wet weather events this past month.

Chapaton Basin and 9 Mile Drain Structural Repairs Project

Contractor: Pullman / L. D'Agostini & Sons

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:

- Contractor completed 15 concrete repairs at expansion joints located on the North and South walls of the Chapaton RTB.
- Finalized contractual items and closed-out project.

Construction Costs:

	Date (if applicable)	Amount
Pullman Final Amount		\$474,913.50
Original LDS Contract Amount		\$258,050.00
Change Order #1	10/05/22	(\$22,950.00)
Revised Contract Amount		\$235,100.00
Total Spent to Date	Pay Apps #1-2	\$235,100.00
Remaining Budget		\$0.00

Figure 1- Temporary Pipe Supports

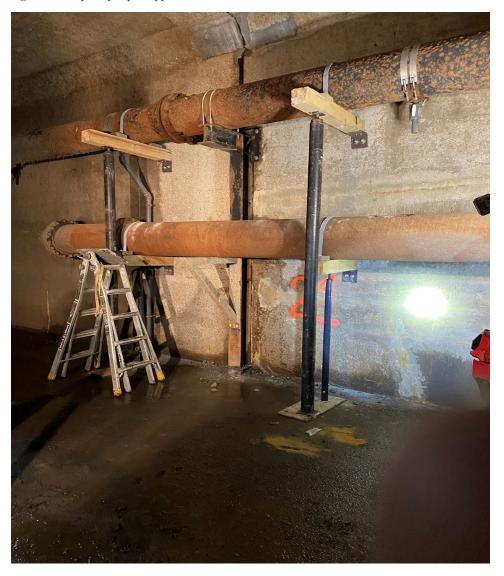


Figure 2 - Preparing Joint for Concrete Fill

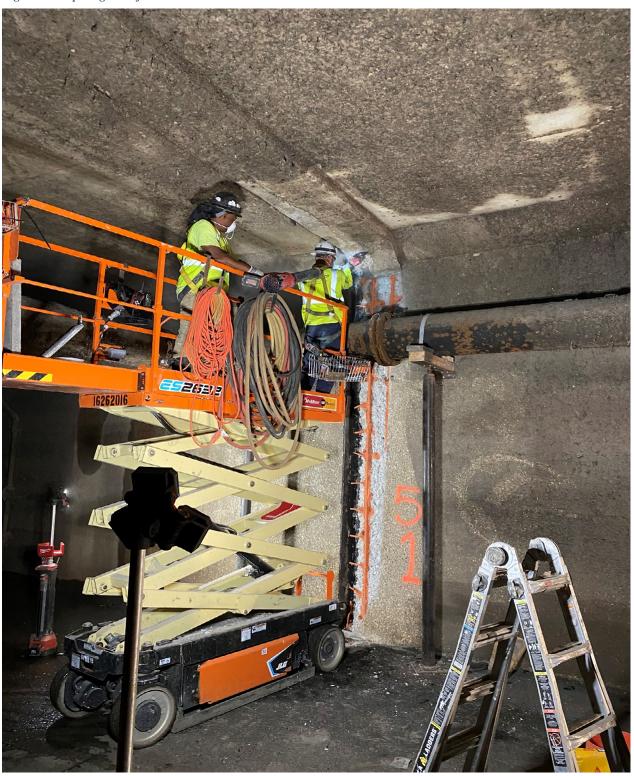


Figure 3 – Fabricating Flushing Pipe Support Beams



Figure 4 - Concrete Patch Repair



Figure 5 – Before & After Repair





Chapaton In-System Storage Project

Contractor: Weiss Construction

Engineering Consultant: Tetra Tech

Project Description:

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

Significant project tasks that have occurred over the past month:

- 1. Submittals are being received and processed by the engineering team.
- 2. Construction activities per Update Period:
 - Continued staging of steel and other construction materials delivered & stored along Beaconsfield greenbelt.
 - Maintain secured work site with swing gates and privacy fence screening.
 - Drilled and installed I-beam piers for shaft construction (46 each) and control building (10 each) at Beaconsfield construction site as planned.
 - Encased installed I-beam piers in concrete at Beaconsfield construction site as required.
 - Continued site vibration and sensor monitoring during pier installation as required.

3. Construction look ahead:

- Beaconsfield & Oak: Continue deliveries of construction materials along Beaconsfield greenbelt.
- Excavation to expose 11FT tunnel at Beaconsfield.
- Install Steel bracing and lagging per plans during shaft excavation at Beaconsfield.
- Layout and place electrical duct banks as proposed.
- Continue site vibration monitoring & documentation.

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount		\$9,673,200.00
Change Order #1	9/15/22	\$269,666.49
Revised Contract Amount		\$9,942,866.49
Total Spent to Date	Pay Apps. #1 - 6	\$1,700,169.51
Remaining Budget		\$8,242,696.98



Figure 2 – Lowering 55FT I-beam Pier into Drilled Hole



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

Figure 3 – Encasing Piers in Concrete

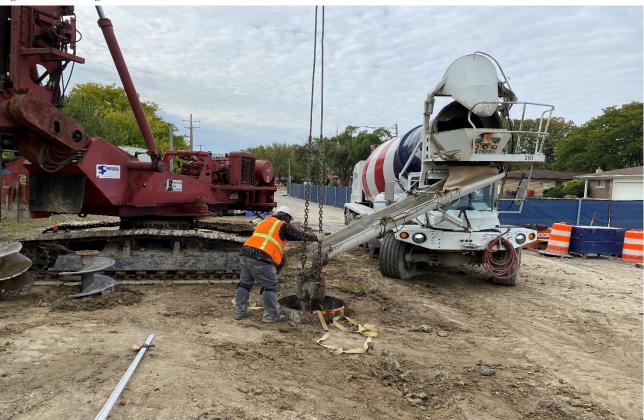


Figure 4 – Installed Steel I-beam Piers



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

Figure 5 – Aerial Drone Image Showing Soldier Piles Being Installed

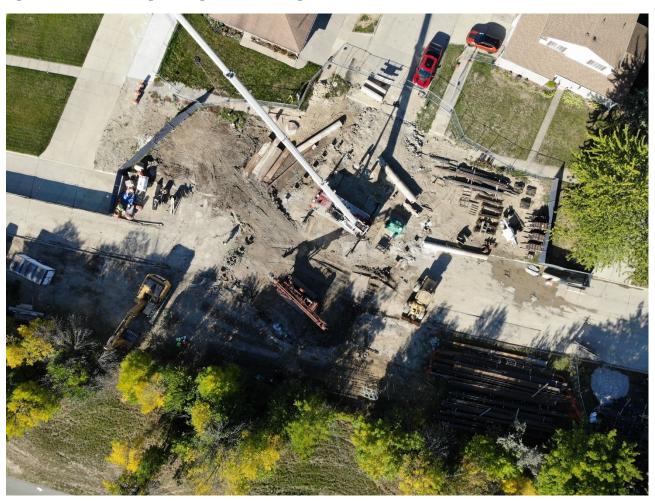
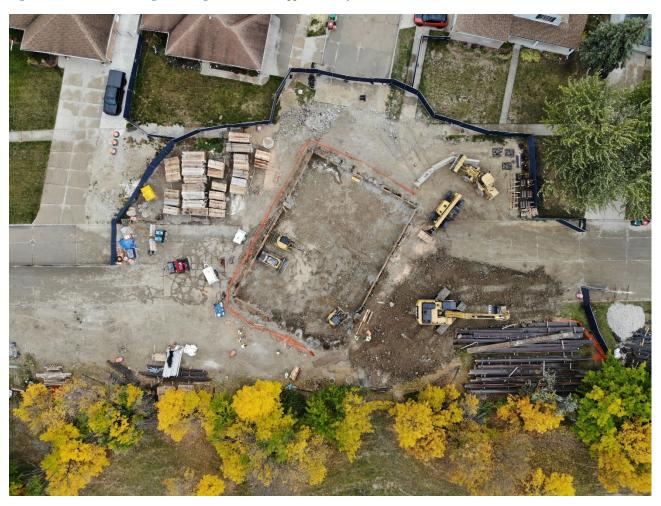


Figure 6 – Aerial Drone Image Showing Excavation – Approximately 5 Feet Below Grade



Candice S. Miller



Public Works Commissioner Macomb County

October 17, 2022

FOR IMMEDIATE RELEASE

Contact: Norb Franz, Macomb County Public Works communications manager

586-201-5732 norb.franz@macombgov.org

Critical project will reduce combined sewer overflows

A new major underground infrastructure project launched in Macomb County will result in fewer discharges of combined sewer overflows into Lake St. Clair following wet weather, Macomb County Public Works Commissioner Candice S. Miller announced Thursday.

"This is a very important project for us in Macomb County," Miller said. "We are absolutely committed to reducing CSO's. This project is all about clean water. Clean water equals quality of life."

Known as the "in-system storage" project, an inflatable rubber dam will be installed inside the 11 1/2-foot-diameter 8 ½ Mile Relief Drain sewer interceptor that conveys the combined stormwater and sanitary sewage from all of Eastpointe and most of St. Clair Shores. When inflated during wet weather, the device acts as a weir to temporarily hold back, or "store", up to 3.5 million gallons upstream of the dam. As the dam is deflated, the flow is gradually released and continues toward the Great Lakes Water Authority's wastewater plant in Detroit for full chemical treatment -- instead of discharging it into the Chapaton Retention Basin on Nine Mile Road at Jefferson Avenue. When capacity in the underground basin at Chapaton is exceeded, the combined sewer overflow is treated with chlorine before being discharged into Lake St. Clair.

On Beaconsfield Avenue at Oak Avenue near Interstate 94 in Eastpointe, excavation of a rectangular access shaft which will be about 70 feet by 50 feet has begun. The shaft will be dug to a depth of 35 feet in order to reach the large interceptor pipe and cut away a section of the top of the pipe to install the device. Once installed, the bladder inflates in less than 10 minutes and can be operated remotely by the Macomb County Public Works operations team.

The project follows an engineering study that found CSO's can be reduced by using space upstream in the interceptor to temporarily store the flow as wet weather and flow volume allows, to reduce overflows into the giant underground basin at the Chapaton Pump Station.

During dry weather, the dam remains deflated to allow for normal flow to the Detroit facility. During rain events, the bladder can be inflated to temporarily hold back the flow to reduce combined sewage overflows.

The project will increase upstream storage volume of 3.5 million gallons without an increased risk of basement flooding in the area and is expected to reduce overflows by 15%. Coupled with earlier operational changes inside the Chapaton Pump Station, CSO's will be reduced by approximately 40%.

"Every gallon counts," Miller said. "The engineering study that we initiated for this project is another example of our office being proactive. Combined sewer overflows are permitted by the state, and it's been going on for decades. However, we just can't keep doing things the same way. We want to improve Lake St. Clair and protect it for generations to come."

The project construction cost is \$9.9 million, and will be paid using federal, state and county funding under the American Rescue Plan Act with no anticipation of a sewer rate increase for residents and businesses in Eastpointe and St. Clair Shores. The 8 ½ Mile Drain Drainage District serves a total of 92,000 people in the two cities.

Construction is expected to be substantially complete by the end of 2023.

PHOTOS: A construction crew works at Beaconsfield Avenue near Nine Mile Road in Eastpointe as part of a critical sewer project that will reduce discharges of combined sewer overflows into Lake St. Clair.

VIDEO: Macomb County Public Works Commissioner Candice S. Miller discusses the "in-system storage" sewer project that will reduce combined sewer overflows into Lake St. Clair. https://youtu.be/hrG3XcTLijQ





VIDEO:

Macomb County Public Works Commissioner Candice S. Miller discusses the "in-system storage" sewer project that will reduce combined sewer overflows into Lake St. Clair.

https://youtu.be/hrG3XcTLijQ

Candice S. Miller



Public Works Commissioner Macomb County

To: 8 ½ Mile Drain Drainage District Board Members

CC: File

From: Vincent Astorino, Operations & Flow Manager

Date: October 5, 2022

Subject: Chapaton Electrical Upgrades Design Recommendation

The Chapaton Pump Station (PS) was constructed in 1968 and the majority of the equipment within the facility is original to the facility and has reached the end of its useful life. As part of the MCPWO planning process a capital improvement plan (CIP) was developed several years ago and one of the key projects identified was to replace the main electrical switchgear and storm pump electrical starters within the building. In the past 4 years of operation there have been 3 electrical fires at the Chapaton PS and therefore this project was elevated to the number one priority project.

In 2020, MCPWO started the process to design the 9 Mile Pump Station (PS), which was going to address electrical needs at the Chapaton PS. This project has since been put on hold indefinitely due to the bids that were received for construction. Since the design was mostly done as part of the 9 Mile PS by Tetra Tech, MCPWO reached out to them to receive pricing to revise their design to only make the necessary repairs at the Chapaton PS. Tetra Tech has provided the attached proposal for \$225,000 and a schedule of 12-16 weeks to complete design. MCPWO has reviewed this proposal and is confident that this pricing and schedule is the lowest and fastest that it will be able to receive due to the work that has already been done. The 9 Mile PS design budget also had approximately \$245,000 remaining so those funds can easily be transferred to this project.

This project currently consists of installing five 2 MW generators and all associated synchronous gear, new motor starters for each of the three stormwater pumps, and new 15 kV switchgear to replace the obsolete unit. Currently if the DTE substation outside of the Chapaton PS was to fail then both power feeds coming into it would go out and the Chapaton PS would not have the ability to operate.

MCPWO staff is recommending to award the design of the Chapaton Electrical Upgrades project to Tetra Tech for \$225,000.

Attachment: Tetra Tech Design Proposal Dated 9-13-22



September 13, 2022

Mr. Vince Astorino Operations and Flow Manager Macomb County Office of Public Works 21777 Dunham Road Clinton Twp., MI 48036

Re: Chapaton Electrical Improvements

Dear Mr. Astorino:

Tetra Tech appreciated the opportunity to lead the design of the Nine Mile Pump Station. While we are disappointed the project will not proceed to construction, we understand the current inflationary environment makes financing projects difficult.

Throughout that project, we discussed at several intervals needed improvements to Chapaton's electrical equipment. Through recent discussions, you requested that Tetra Tech provide a proposal for preparing bid documents for many of these items. This letter will serve as that proposal.

SCOPE OF WORK

We propose the following scope of work:

- 1. Prepare bid documents for the following components:
 - a. New generators to power three (3) Chapaton Pumps and the East Building. We recently discussed specifying five (5) generators located on the RTB east of the pump station. Design will include gear to synchronize the generators. Design work will include site engineering to route wires across the RTB into the station.
 - b. New motor starters for each of the three (3) Chapaton pumps
 - c. New 15kV switchgear to replace existing obsolete unit
- 2. Hold a kickoff and drawing review meetings at the 30%, 60%, and 90% stages. Prepare a detailed cost opinion at 90% stage.
- 3. Apply for EGLE's Part 41 Permit
- 4. Finalize documents for MCOPW to post for bidding
- 5. Attend a pre-bid meeting, answer contractor questions and issue addenda (as necessary) through the bidding period
- 6. Attend a bid opening, evaluate bids, and offer an award recommendation



ASSUMPTIONS

- A proposal for services during construction, should that be requested, will be prepared after bids are received
- We will assist MCPWO in reapplying for the gas utility feed to the new generators (this process was started for the proposed Nine Mile Pump Station). We have not budgeted to design a new utility feed as this service is typically completed by the utility. Fees charged by the utility are not included in Tetra Tech's proposal.

SCHEDULE

We anticipate completion of bid documents within twelve to sixteen (12 to 16) weeks of receiving your authorization.

COMPENSATION

We will invoice at our standard hourly rates, We request a budget of \$225,000 for the work outlined above.

EXECUTION

We believe Macomb County will issue a Professional Services Contract to work from if this proposal is accepted.

Thank you for requesting this proposal. Tetra Tech is eager to complete this important assignment and continue our long history of service to Macomb County.

Sincerely;

Brian M. Rubel, PE

Brain, Rubil

Vice President

Bill Paison, PE

Sr. Electrical Engineer

Candice S. Miller



Public Works Commissioner Macomb County

To: 8 ½ Mile Drain Drainage District Board Members

CC: File

From: Vincent Astorino, Operations & Flow Manager

Date: October 12, 2022

Subject: Chapaton Accusonic Flow Meters Recommendation

The Chapaton Retention Treatment Basin (RTB) currently holds a National Pollution Discharge Elimination System (NPDES) permit with the Department of Environment, Great Lakes, and Energy (EGLE) to discharge treated combined sewer overflows to Lake St. Clair. As part of this NPDES permit, MCPWO must measure incoming and drain flow rates and perform effluent sampling based off a flow-based sampling system. This system is currently in place, but the existing flow meters have had significant maintenance issues, accuracy issues, and have had to be replaced multiple times.

In the 22/23 fiscal year budget, \$350,000 has been allocated to the replacement of these flow meters with a more robust and accurate system which will have a longer useful life then the existing system. These flow meters are critical to the operation of the Chapaton facility and allow operators to safely push the system to the limit to maximize storage of flow within the system.

The proposal that has been received for this effort is from Hesco, who is the Accusonic representative from Michigan and certified installer. Due to this, additional quotes were unable to be acquired for this effort. MCPWO has significant experience with these types of flow meters and were able to negotiate costs down \$71,810.54. The final proposal is in line with what is expected and a good price.

MCPWO staff is recommending to award the procurement and installation of the Chapaton Accusonic flow meters in the NTE amount of \$224,227.38.

Attachment: Hesco Proposal Dated 10-7-22



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

TO: Vince Astorino

Macomb County Office of Public

Works

Friday October 7, 2022

QUOTE #: MCDPW-0010r3 SALESPERSON: Kevin Livingston

9 Mile Accusonics Meter

LINE	DECORPTION	OTV	LINUT	UNIT	I INIE TOTAL
ITEM	DESCRIPTION	QTY	UNIT	PRICE	LINE TOTAL
1.00	8510+IS-08ACR6-H PN 8510+IS-08ACR6-H Flowmeter Console, Intrinsically Safe • 8-Path Flow Measurement Capability • NEMA 4X (IP66) Wall-Mounted Enclosure • 90-250 VAC, 47-63 Hz or 100-300 VDC External Power • 7.7-inch LCD Touchscreen Color Display • (8) Isolated 4-20 mA Analog Outputs • (6) Contact Relay Outputs for Alarming • Modbus Interface via RS-232, RS-485 or TCP/IP • 16 Gigabyte Internal Data Logging Storage • Built-in Heater for the Enclosure • AccuFlow™ PC-based Software Interface —	2	EA	53,123.51	\$106,247.02



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

EXCEPTIONS	TO ODEOLE	

1. Exception for Part 2 – Products – 2.10 Transit Time Flow Meter – A: Flow meter shall be designed to have a meter accuracy of $\pm 0.5\%$ for full pipes and $\pm 1.0\%$ for partially full pipes. What Accusonic will stand by for a partially full pipe is the following:

of Paths Submerged Uncertainty

1 ± 4-10% 2 ± 3-5% 3 ± 2-3% 4 ± 1-2%

When the pipe is surcharged, it is likely that Accusonic will achieve $\pm 1.0\%$ accuracy. The transducer paths must be placed at very specific locations ($\pm 18^\circ$ and $\pm 54^\circ$ above and below the centerline) in order to achieve $\pm 0.5\%$ accuracy which is typically not feasible in a pipe that runs less than full.

2. Exception for Part 2 – Products – 2.10 Transit Time Flow Meter – C: Accusonic and local

representatives will always precisely align all transducer sets and this is a requirement for the system operating correctly.

- 3. Exception for Part 2 Products 2.10 Transit Time Flow Meter F: Accusonic does not use all solid-state electronics on the circuit boards used in the 8510+.
- 3. Exception for Part 2 Products 2.10 Transit Time Flow Meter F: Accusonic does not coat the printed circuit boards with an antifungus coating. Accusonic does have limited built-in protection against power line transients and lightning strike. If additional protection is required, then this will be the responsibility of others.



law and regulations.

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





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2.00	7658-45X-00 PN 7658-45X-00 Internal Mount Transducer, 500	24	EA	1,101.60	\$26,438.40
	kHz frequency, 250 psi (17 bar)				
	maximum service pressure, 45-degree path				
	angle, all PVC construction, suitable for				
3.00	hazardous areas with IS console.	24	EA	378.68	¢0 000 22
3.00		24	EA	370.00	\$9,088.32
	PN 7698-0001 PVC Mount Assembly for 7658 Transducer.				
4.00	7600-0384-100	24	EA	673.55	\$16,165.20
4.00	PN 7600-0384-200 Submersible HDPE-	24		073.33	φ10,103.20
	Jacketed RG-108 Transducer Cables, 100-ft				
	long each, includes E-O connector, length must				
	be confirmed by the customer prior				
	to order placement.				
5.00	7699-XX.X-XXX	6	EA	1,500.00	\$9,000.00
	PN 7699-XX.X-XXX Submersible Pressure			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	**,*****
	Transducer for Level Measurement, all				
	stainless-steel construction, includes 100-ft				
	vented cable, pressure rating based on				
	maximum head of tunnel (7.5 psi)				
6.00	7697-0001-01	6	EA	464.74	\$2,788.44
	PN 7697-0001-01 Pressure Transducer Mounting				
	Hardware				
7.00	HESCO Field Service	6	Days	7,200.00	\$43,200.00
	Services of HESCO Factory Trained and				
	authorized Flow Meter Technicians				
	Services include:				
	-Contract administration and mobilization				
	-Shop Tasks including purchasing, cable labeling,				
	equipment testing and load out -Transducer installation				
	-As builts				
	-U-gard installation				
	-Cable pulling				
	-pressure sensor installation				
	-cable termination				
	-Start up and debug				
	-OM Manuals and training				
	Community				
	Please read this entire quotation and pay specific				
	attention to the list of exceptions to specification				
	and comments/clarifications				
	10 days is an estimate. This line item will be				
0.00	billed on a Time & Materials basis.	4		0.500.00	#0.500.00
8.00	Misc Hardware	1	LS	9,500.00	\$9,500.00
	Misc hardware required to complete the				
	installation				
	600 ft - 2" U guard 1/2 round PVC conduit 400 ft - 1" U guard 1/2 round PVC conduit				
	2000 - 1/4" 316 SS anchors				
	2000 - 1/4 3 10 33 andi01018				





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

9.00	Shippir Freight	oing ht to HESCO			1		1,800.00		\$1,800.00		
					•	SU	BTOTAL:		\$224,227.38		
						MI SA	LES TAX:		Exempt		
							TOTAL:		\$224,227.38		
Ship Via	Ship Via: Best Way FOB Factory		Shipping Terms: Included as Lin				ne Item				
Payment	Payment Terms: Net 30					Quote Valid Through:			11/07/2022		
Lead Time: Shop Drawing Submittals: 1-2 Weeks ARO Shipment: 12 Weeks ARA											

END QUOTE

Funding Source	Apportionment	Manager	<u>Vendor</u>	Amount	Invoice Detail	<u>Project Summary</u>	Pı	roject Balance
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	Access Interactive LLC	\$ 6,231.75	Invoice #INV000109874 - 07.07.22	SCADA Server Upgrade		
		Astorino	Access Interactive LLC	\$ 15,150.00	Invoice #INV000110277 - 09.07.22	SCADA Server		
		Astorino	City of St. Clair Shores Treasurer	\$ 1,300.37	Invoice #22-323 - 09.14.22	Monthly Water - 6.15.22 - 09.14.22 - 23001 9 Mile		
		Astorino	City of St. Clair Shores Treasurer	\$ 886.34	Invoice #22-325 - 09.15.22	Monthly Water - 6.15.22 - 09.15.22 - 23009 9 Mile		
		Astorino	Fishbeck	\$ 12,338.02	Invoice #415088 - 09.09.22	9 Mile Basin Joint Repairs	\$	55,388.74
		Astorino	Fishbeck/NTH	\$ 2,308.53	Invoice #415814 - 10.05.22	9 Mile Basin Joint Repairs - CCA	\$	53,080.21
		Astorino	GC Commercial Roof	\$ 18,000.00	Invoice #176 - 09.19.22	Hatch Roof Replacement		
		Astorino	HESCO	\$ 2,387.40	Invoice #2213866 - 09.01.22	Wet Well Level Sensor		
		Astorino	JCI Jones Chemicals Inc	\$ 9,285.77	Invoice #894401 - 08.30.22	Hypochlorite Solution		
		Astorino	L D'Agostini & Sons	\$ 149,960.00	Invoice #WWS-2022-004 App#2 - 09.30.22	Chapaton RTB Expansion Joint Repairs - Final		
		Downing	Marino's Landscape	\$ 1,445.00	Invoice #19670 - 08.31.22	Lawn Care August 2022		
		Astorino	Motor City Electric Technologies	\$ 540.00	Invoice #94675 - 09.01.22	Storm Pump Maintenance		
		Astorino	NexGen	\$ 11,104.88	Invoice #3356 - 07.01.22	Annual License/Support/Contractor Portal		
		Astorino	NTH Consultants, Ltd	\$ 984.00	Invoice #630718 - 09.30.22	2023 Interceptor Inspection Program - Design	\$	72,918.00
		Astorino	Swan Analytical Instruments	\$ 674.60	Invoice #CD10004731 - 09.08.22	Swan Sensor		
		Astorino	Swan Analytical Instruments	\$ 1,409.55	Invoice #CD10004730 - 09.08.22	Swan Sensor Reagent		
		Astorino	Tetra Tech, Inc.	\$ 1,400.00	Invoice #51953714 - 09.21.22	9 Mile Pump Station Design - Final	\$	248,711.87
		Astorino	Tetra Tech, Inc.	\$ 33,741.96	Invoice #51953711 - 09.21.22	In-System Storage Design/CCA	\$	898,538.10
		Astorino	Tetra Tech, Inc.	\$ 71,979.25	Invoice #51964758 - 10.05.22	In-System Storage Design/CCA	\$	826,740.85
		Astorino	Wade Trim	\$ 59,189.13	Invoice #2025279 - 09.28.22	Chapaton RTB Canal Rehab - Design	\$	346,929.98
		Astorino	Weiss Construction	\$ 347,161.58	Invoice #WWS-2021-006 App#6 - 09.20.22	In-System Storage	\$	8,242,696.98

Total \$ 747,478.13



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	9/8/22
4 SET ID	E POST	DATE

VP 220909KA

PARENT RECORD INFORMATION									
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	R 8. ADDR CODE 9. Invoice No (MAX = 16 CHARACTI		10. Invoice Date		11. Invoice Amount			
Access Interactive LLC	V00035	01	INV000109874	7/7/2022	\$	16,618.00			

						CHILD RECORD DETAIL I	NFORMATION	103 000			400	
	General Ledger			edger	16.	OPTIONAL		A Carlott			U	S S
Line	12. Org Key	13. Object	Cost Center (CCNT)	15. Object	Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)		19. Amount		21. MISC	22. Sep (
А	8210166M	80146	: CC0014	80146	: WO20004	MIDDD :	SCADA Server Upgrade	\$	7,145.74	GEN		
В	8210166M	80146	: CC0014	80146	: WO20016	MIDDD (OMID)	SCADA Server Upgrade	\$	1,163.26	GEN		0
С	8210017M	80146	: CC0014	80146	: WO20004	8 1/2 Mile Relief	SCADA Server Upgrade	\$	6,231.75	GEN		0
D	8210072M	80146	: CC0014	80146	: WO20004	Martin :	SCADA Server Upgrade	\$	1,246.35	GEN		0
E	8713018M	80146	: CC0014	80146	: WO20004	SEMCWWDS :	SCADA Server Upgrade	\$	830.90	GEN		0
F			5			:						
G			:		;							

REV 09/2018

23. Total: \$

16,618.00

4.	COMMENTS,	INSTRUCTIONS	OR	ADDITIONAL	NOTES:	į

PW000259

25. Finance Officer:	BM/kk	30. Drain:	Multiple
26. Chief Deputy:		31. Project Balance:	
27. Engineers:		32. Staff Date:	9/13/2022
28. Managers:		33. Board Date:	10/17/2022
29. Coordinator:		34. Select For Pay Date:	

Access Interactive, LLC. 46635 Magellan Drive Novi MI 48377

Invoice	INV000109874	
Date	7/7/2022	
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) Chapaton Pump Station 23001 9 Mile Road St. Clair Shores MI 48080

Pur	rchase Ord	er No.	Cu	stomer ID		Salesperson ID	Sh	ipping Method	Payment Terms	Re	eq Ship Date	Master No.
PW	/000259		MA	ACOMBDPW4	257	1005		POP SHIP	Net 30	7/	1/2022	115,780
Ord	iered	Shipped	d			lumber		Description			Unit Price	Ext. Price
	4.00		.00	4.00	DELL	POWEREDGE R650 SERV	/EF				\$17,129.00	The same and the s
	1.00	0.	.00			S3148P SWITCH					\$6,870.00	1
	2		2	0	NET-S	SONI-02-SSC-7370		NSA 2700 SECUI 18C24133C130 18C24133C289	RE UPG + ESS ED 3YF	8	\$5,865.00	\$11,730.00
	2		2	0	NET-S	SONI-02-SSC-7367		NSA 2700 HIGH / 18C24105C280 18C24105B8D0	AVAILABILITY		\$1,858.00	\$3,716.00
	2		2	0	LIC-S	ONI-02-SSC-8389		STATEFUL HA U	PG FOR NSA 2700 SE	RIE	\$586.00	\$1,172.00
	2.00	0.	.00	2.00	DATA	CENTER RACK AND UP	PS	Datacenter Rack	and UPS 120V with Inst	all	\$20,200.00	\$0.00
				purtal		sphtall						

Signature

Thank you for your order!

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

 Subtotal
 \$16,618.00

 Misc
 \$0.00

 Tax
 \$0.00

 Freight
 \$0.00

 Trade Discount
 \$0.00

 Total
 \$16,618.00

Date



Fwd: Vendor: Access Interactive Invoice: 109874

1 message

Brent Welser brent.welser@macombgov.org To: Kellie Kource <kellie.kource@macombgov.org> Fri, Aug 26, 2022 at 12:29 PM

Kellie,

Please see attached invoice. This is a partial invoice for PW000259 and we will be getting more as the remaining services are completed.

Thanks. **Brent Welser** SCADA System Manager

Macomb County Public Works

21777 Dunham Road Clinton Township, MI 48036 586.634.7856 (cell) 586.469.4257 (direct)

Subscribe to our eNewsletter











----- Forwarded message ------

From: Shannon Ray <shannon@access-interactive.com>

Date: Fri, Jul 8, 2022 at 4:02 PM

Subject: Vendor: Access Interactive Invoice: 109874 To: Brent Welser
 ser@macombgov.org>

Happy Friday Brent...

Attached for your review and processing please find invoice 109874.

Thank you for each opportunity to work together.

Have a nice weekend.

Shannon





Access-Interactive Systime Inc.

Technology Solutions for Business, Government and Education 46635 Magellan Drive Novi, Michigan 48377

Telephone: (248)567-3000

efax: (248)694-0979

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this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. If you are not the intended re	ciplient you are notified that
disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited. Thank you	· [

MCPWO INV000109874.pdf 252K



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	9/19/22
4. SET ID	5. POST	DATE

		PARENT R	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	INV000110277	9/7/222	\$ 40,400.00

					Seminar Anna Company	CHILD RECORD DETAIL I	NFORMATION				100
	Genera	Ledger		edger	16,	OPTIONAL				0	S S
Line	12. Org Key	13. Object	Cost Center (CCNT)	15. Object	Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep C
А	8210166M	80146	: CC0014	80146	: WO20004	MIDDD :	SCADA Maintenance	\$ 17,372.00	GEN		
В	8210166M	80146	: CC0014	80146	: WO20016	MIDDD (OMID)	SCADA Maintenance	\$ 2,828.00	GEN		0
С	8210017M	80146	: CC0014	80146	: WO20004	8 1/2 Mile Relief :	SCADA Maintenance	\$ 15,150.00	GEN		0
D	8210072M	80146	: CC0014	80146	: WO20004	Martin :	SCADA Maintenance	\$ 3,030.00	GEN		0
E	8713018M	80146	: CC0014	80146	: WO20004	SEMCWWDS :	SCADA Maintenance	\$ 2,020.00	GEN		0
F			:			4					
G			3		;						

REV 09/2018

23. Total: \$

40,400.00

25. Finance Officer:	BM/kk	30. Drain:	Multiple
26. Chief Deputy:		31. Project Balance:	
27. Engineers:		32. Staff Date:	9/27/2022

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

PW000259 Partial

33. Board Date:

9/27/2022

28. Managers:

10/17/2022

29. Coordinator:

34. Select For Pay Date:



Fwd: Vendor: Access Interactive Invoice: 110277 P.O.: PW000259

1 message

Brent Welser brent.welser@macombgov.org To: Kellie Kource <kellie.kource@macombgov.org> Thu, Sep 8, 2022 at 7:27 PM

Kellie.

Please see attached invoice from Access Interactive.

Thanks. **Brent Welser** SCADA System Manager

Macomb County Public Works 21777 Dunham Road Clinton Township, MI 48036 586.634.7856 (cell) 586.469.4257 (direct)

Subscribe to our eNewsletter











----- Forwarded message ------

From: Shannon Ray <shannon@access-interactive.com>

Date: Thu, Sep 8, 2022 at 5:46 PM

Subject: Vendor: Access Interactive Invoice: 110277 P.O.: PW000259

To: Brent Welser brent.welser@macombgov.org

Hello Brent ...

Attached for your review and processing please find invoice 110277. Thank you very much for each opportunity to work with you. Have a nice evening.

Shannon



Access-Interactive Systime Inc. Technology Solutions for Business, Government and Education 46635 Magellan Drive Novi, Michigan 48377

Telephone: (248)567-3000

efax: (248)694-0979

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager. This message contains confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. If you are not the intended recipient you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited. Thank you.

Macomb County Public Works Office INV000110277.pdf 250K

Access Interactive, LLC. 46635 Magellan Drive Novi MI 48377

PW 000259

Invoice	INV000110277	
Date	9/7/2022	
Page	1	

Phone (248) 567-3000

ill	

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

Ship To:

Macomb County Public Works Office (MCPWO) Chapaton Pump Station 23001 9 Mile Road St. Clair Shores MI 48080

Purchase Ord	ler No.	CL	istomer ID		Salesperson ID	Sh	ipping Method	Payment Terms	s R	eq Ship Date	Master No.	
PW000259		M	ACOMBDPW4	257	1005	1	OROP SHIP	Net 30	7/1/2022		115,780	
Ordered	Shippe	d	B/O	Item N	umber		Description			Unit Price	Ext. Price	
1.00	0	.00	1.00	SELL S	S3148P SWITCH					\$6,870.00	\$0.00	
2		2	0	RCK-\	/ERT-VRCS3357-120V		Vertiv VRC-S Self	-Contained Rack S	olution	\$20,200.00	\$40,400.00	
			0	RCK-\				F-Contained Rack S			\$40,400.00	
								Subt			\$40,400,00	

Signature

Thank you for your order!

please call (248)567-3000.

If you have any questions regarding your invoice,

Subtotal \$40,400.00 Misc \$0.00 Tax \$0.00 Freight **Trade Discount** \$0.00 Total \$40,400.00

Date



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	10/3/22

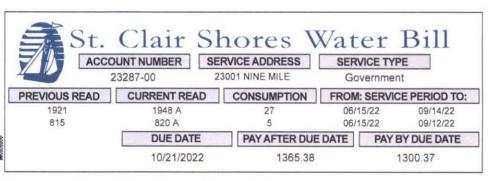
4. SET ID	5. POST DATE
VP221004KUA	9/30/22

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		
City of St. Clair Shores Treasurer	V00928	01	22-323	9/14/2022	\$	1,300.37		

€"	TREME					CHILD RECORD DETAIL I	NFORMATION				
	Genera	Ledger	Job Ledger 16.		OPTIONAL				O	¥	
Line	ız. Org Key	13. Object	Cost Center (CCNT)	15. Object	Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep (
A 8	3210017M	92103	: CC0004	92103	: WO18006	8 1/2 MILE RELIEF	AC#23287-00, 6/15-9/14	\$ 1,300.37	GEN		
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	23. Total: \$	1,300.37
4. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:		

25. Finance Officer:	BM/kk	30. Drain:	8 1/2 MILE RELIEF
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	10/11/2022
28. Managers:		33. Board Date:	10/17/2022
29. Coordinator:		34. Select For Pay Date:	



 PREVIOUS BALANCE
 0.00

 Water
 181.57

 Sewer
 221.82

 Customer Chrg
 379.20

 Retention Basins O&M
 0.49

 Storm Water '22
 517.29

CURRENT BALANCE

1300.37

MONTHLY BUDGET

Temp-Return Service Requested

22-323

PLEASE RETAIN THIS UPPER PORTION FOR YOUR RECORDS.
YOUR CANCELLED CHECK IS YOUR RECEIPT.

Water rate: \$5.674/unit Sewer rate: \$6.932/unit Total rate: \$12.606 One unit = 748 gallons



FOR FURTHER INFORMATION PLEASE CALL: BILLING INFORMATION - (586) 447-3317 SERVICE INFORMATION - (586) 445-5374

VISIT US ON THE WEB AT www.scsmi.org

To Pay by Credit Card or Electronic Check









Visit www.scsml.org Online Payments and Services or call 1-855-414-9009 (credit card only)

Point and Pay LLC, the service provider, charges a fee for this service of: 3.00% for credit cards (\$1.50 minimum)

Electronic checks are provided as a FREE service.

IMPORTANT INFORMATION - SEE REVERSE SIDE

AND MAKE SURE RETURN ADDRESS APPEARS THROUGH WINDOW



St. Clair Shores Water Bill

Due Date

Pay After Due Date

PAY BY DUE DATE

10/21/2022

1365.38

1300.37

Service Address

23001 NINE MILE

Account Number

23287-00

City of St. Clair Shores 27600 Jefferson Ave Saint Clair Shores MI 48081-2075

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Please make your check payable to: St. Clair Shores Treasurer

If you have questions concerning the water billing process or require a final meter reading when moving, please contact the Customer Service Department at (586) 447-3317. City Hall business hours are: 8:00 a.m. to 4:30 p.m., Monday through Friday.

A return envelope has been provided for your convenience when mailing your payment. If you wish to make an in-person water bill payment during business hours, payments are accepted at the cashier office located in City Hall. For your convenience in making after-hours payments, a freestanding, drive-up, drop box is located in the circle drive in front of City Hall. Please do not deposit cash in the drop box.

When mailing your payment, please allow three business days for the payment to reach the payment processing center. Payment must be received on or before the due date to avoid a 5% penalty. Failure to receive bill does not waive penalty.

Unpaid bills are liens against the property, with an additional penalty upon transfer to the tax roll.

All water registered at the inside water meter will be charged to the account. Check the outside reading device to confirm match. If there is a discrepancy, notify the Water Service Department immediately at (586) 445-5374 for repair.

The City of St. Clair Shores exceeded the action level for lead in drinking water. Lead can cause serious health problems. For more information please call (586) 447-3305 or visit www.scsmi.net/892/SCS-Lead-Safe.

SPECIAL NOTICE REGARDING WATER BILL COLLECTION POLICIES: The City of St. Clair Shores has a water service disconnection policy for unpaid bills. If this bill is not paid in full within 60 days of the due date, your water service will be disconnected. If this should occur, full payment of the past due balance and a \$50 turn-on fee must be made prior to your water service being reinstated.

SPECIAL NOTICE REGARDING SNOW REMOVAL RESPONSIBILITY: Whenever the City of St. Clair Shores experiences a snow fall of 2" or more, a Snow Event may be declared. Residents will be required to clear their sidewalks within 48 hours of the Snow Event. Failure to do so will cause the City to have the sidewalk cleared and the cost billed to the property owner.

Please remember to cut your grass regularly! City ordinance states that grass, brush or weeds eight (8) inches in height or more shall be cut by the City as many times as necessary with costs and fees to be assessed against the property owner if it is not maintained.

To Pay by Credit Card or Electronic Check









Visit www.scsmi.org Online Payments and Services or call 1-855-414-9009 (credit card only)

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Electronic checks are provided as a FREE service

RETAIN THE UPPER PORTION OF THIS WATER BILLING STATEMENT FOR YOUR RECORDS. WHEN REMITTING PAYMENT, DETACH THE LOWER PORTION AND RETURN TO THE CITY OF ST. CLAIR SHORES TREASURER'S OFFICE WITH YOUR PAYMENT, USING THE ENCLOSED RETURN ENVELOPE (POSTAGE REQUIRED). PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	10/3/22
4. SET ID	5. POST	DATE
VP221004KUA	9/30/22	

23. Total: \$

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		
City of St. Clair Shores Treasurer	V00928	01	22-325	9/15/2022	\$	886.34		

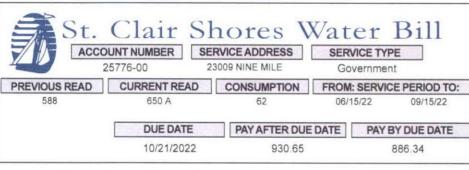
						CHILD RECORD DETAIL I	NFORMATION				
19	Genera	Ledger		edger	16.	OPTIONAL			Augus II	U	¥5
Line	12. Org Key	13. Object	Cost Center (CCNT)	15. Object	Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep C
А	8210017M	92103	: CC0004	92103	: WO18006	8 1/2 MILE RELIEF :	AC#25776-00, 6/15-9/15	\$ 886.34	GEN		
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G			5		:	:					

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- 11	Γ.	С,	V	v	3,	4	u	-

886.34

4. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:			

25. Finance Officer:	BM/kk	30. Drain:	8 1/2 MILE RELIEF
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	10/11/2022
28. Managers:		33. Board Date:	10/17/2022
29. Coordinator:		34. Select For Pay Date:	



Temp-Return Service Requested

CURRENT BALANCE	886.34
Retention Basins O&M	0.49
Customer Chrg	104.28
Sewer	429.78
PREVIOUS BALANCE Water	0.00 351.79

MONTHLY BUDGET

PLEASE RETAIN THIS UPPER PORTION FOR YOUR RECORDS. YOUR CANCELLED CHECK IS YOUR RECEIPT.

Water rate: \$5.674/unit Sewer rate: \$6.932/unit Total rate: \$12.606 One unit = 748 gallons

22-325



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VISIT US ON THE WEB AT www.scsmi.org

To Pay by Credit Card or Electronic Check





SA CHECK

Visit www.scsmi.org Online Payments and Services or call 1-855-414-9009 (credit card only)

Point and Pay LLC, the service provider, charges a fee for this service of: 3.00% for credit cards (\$1.50 minimum)

Electronic checks are provided as a FREE service.

IMPORTANT INFORMATION - SEE REVERSE SIDE

REMOVE DOCUMENT ALONG THIS PERFORATION ______
AND MAKE SURE RETURN ADDRESS APPEARS THROUGH WINDOW



St. Clair Shores Water Bill

Due Date

Pay After Due Date

PAY BY DUE DATE

10/21/2022

930.65

886.34

Service Address

23009 NINE MILE

Account Number

25776-00

City of St. Clair Shores 27600 Jefferson Ave Saint Clair Shores MI 48081-2075

Որդերի իրեսերերերի արկանական այների հայար



Please make your check payable to: St. Clair Shores Treasurer

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To Pay by Credit Card or Electronic Check









Visit www.scsml.org Online Payments and Services or call 1-855-414-9009 (credit card only)

Point and Pay LLC, the service provider, charges a fee for this service of: 3.00% for credit cards (\$1.50 minimum)

Electronic checks are provided as a FREE service

RETAIN THE UPPER PORTION OF THIS WATER BILLING STATEMENT FOR YOUR RECORDS. WHEN REMITTING PAYMENT, DETACH THE LOWER PORTION AND RETURN TO THE CITY OF ST. CLAIR SHORES TREASURER'S OFFICE WITH YOUR PAYMENT, USING THE ENCLOSED RETURN ENVELOPE (POSTAGE REQUIRED). PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	9/15/22
4. SET ID	5. POST	DATE

1P220922KB

	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	415088	9/9/2022	\$	12,338.02					

						CHILD RECORD DETAIL I	NFORMATION		TAMES		ترافيات
	Genera	Ledger		edger	16.	OPTIONAL				U	×
Line	12. Org Key	13. Object	Cost Center (CCNT)	15. Object	Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep C
A	8210017M	80138	: CC0031	80138	: WO21008	8 1/2 Mile Relief	Pjt #190051 through 9/2/22	\$ 12,338.02	GEN		
В			:		:	:					
С			;		:	:					
D					:	:					
E			:		:	:					
F			:			:					
G			:		:	:					

REV 09/2018

23. Total: \$

12,338.02

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

9 Mile Structural Repair & Canal Rehab

5. Finance Officer:	BM/kk	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	\$55,388.74
27. Engineers:		32. Staff Date:	9/27/2022
28. Managers:		33. Board Date:	10/17/2022
29. Coordinator:		34. Select For Pay Date:	

MACOMB COUNTY PUBLIC WORKS OFFICE ENGINEERING INVOICE COVER SHEET

WORK ORDER NUMBER WO19005

PROJECT NUMBER WWS-2019-001

PROJECT NAME As-Needed General Engineering Services

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

CONSULTANT NAME Fishbeck

INVOICE DATE 9/9/2022

INVOICE START DATE 7/9/2022

INVOICE END DATE 9/2/2022

ORIGINAL CONTRACT AMOUNT	\$	151,919.00
CHANGE ORDER TOTAL	\$	278,732.00
Change Order No. 1	\$	75,000.00
Change Order No. 2	\$	128,732.00
Change Order No. 6	\$	75,000.00
TOTAL REVISED CONTRACT AMOUNT	\$	430,651.00
(includes all approved change orders only)		
TOTAL AMOUNT PREVIOUSLY INVOICED	\$	362,924.24
TOTAL AMOUNT DUE THIS INVOICE	Ţ\$	12,338.02
TOTAL AMOUNT DOL THIS INVOICE	1 *	12,000.02

(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)



Attention: Maria Sedki

Fishbeck

1515 Arboretum Drive Grand Rapids, MI 49456

US

Invoice: 630498 Invoice Date: 9/1/2022 Due Date: 10/1/2022 Project: 61190017

Project Name: MCO 8-1/2 Mile Sewer As-Needed

Bill Term: 1X

For Professional Services Rendered Through 8/26/2022

Contract: SP

Contract Name: Signed Proposal

Authorization per signed Proposal #61-190017-1X dated 7/26/2022

Authorization per signed Subconsultant Agreement Amendment 2/Project Nos. 190051, 190763, 200856 dated 8/1/2022

Professional Engineering Support for Joint Repairs to Chapaton Basin

					Billings	
		Fee	Available	To Date	Previous	Current
1X - Chapaton Joint Repairs		19,660.00	19,660.00	11,656.69	0.00	11,656.69
Rate Labor	11,544.00					
Expenses	20.99					
Unit Rate Expense	91.70					
Total Expense	112.69					
			_	Dillings		11 656 60

 Current Billings
 11,656.69

 Amount Due This Bill
 11,656.69

Total Fee:

19,660.00

To Date Billings:

11,656.69

Total Remaining:

8,003.31

1X - Chapaton Joint Repairs				
Rate Labor Class / Employee	Hours		Rate	Amoun
Principal Engineer				•
John R. Kosnak	21.50		192,000	4,128.0
Senior Officer				
Charles Roarty	0.50		245.000	122,50
Sr Principal Engineer				
Lawrence T. Gilbert	0.50		220.000	110.00
Sr Proj Professional				
Joel Schanne	3.00		170.000	510.0
Sr Staff Professional				
Natasha Elza Simon	48.00		137.000	6,576.00
Word Processor				
Marguerite A. McKiever	0.75		65.000	48.7
Michelle Kitzinger	0.75		65.000	48.7
Total Word Processor	1.50			97.50
	Total Rate Labor			11,544.00
Expenses				
Vendor		Cost	Multiplier	Amoun
Equipment		9.00	1.00	9.00
John R. Kosnak		11.99	1.00	11.9
	Total Expenses			20.9
Unit Rate Expenses	Total Expenses			
Account / Unit / Vendor	Quantity		Rate	Amoun
Mileage				
REIMBURSED MILEAGE				
Joel Schanne	00.08		0.580	46.4
John R. Kosnak	35.00		0.580	20.3
Total REIMBURSED MILEAGE	115.00		i i	66.7
Total Mileage			I	66.7
Per Unit Expenses				
QUAD GAS METER			Ţ	
Equipment	1.00		25.000	25.0
•	Total Unit Rate Expenses		;	91.70



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

Available

Attention: Mr Vincent Astorino

Macomb County Public Works Commissioner

21777 Dunham Road

Clinton Township, MI 48036

United States

Invoice: 415088

Invoice Date: 9/9/2022

Project: 190051

Project Name: Macomb Co PW/8.5 As-needed

Engineering

Billings

Previous

Current

Bill Term: 1

To Date

For Professional Services Rendered Through 9/2/2022

WO19005

1.E - Task 1e - Maps		7,500.00	1,657.89	5,842.11	5,842.11	0.00
1.R - Task 1r - 8DR Confir Entry/LOTO Program	ned Space	10,500.00	48.04	10,451.96	10,451.96	0.00
1.T - Task 1t - 9 Mile PS D	esign As-Needed	5,000.00	5,000.00	0.00	0.00	0.00
1.U - Task 1u - Chapaton Plan	Rehab SRF Project	20,000.00	3,697.97	16,302.03	16,302.03	0.00
1.X - Task 1.x - Chapaton (WO21008)	Joint Repair	21,640.00	21,640.00	12,338.02	0.00	12,338.02
Rate Labor	98.50					
Expenses	12,239.52					
			c	urrent Billings		12,338.02
			Amoun	nt Due This Bill	-	12,338.02

Fee

Project: 190051 - Macomb Co PW/8.5 As-needed Engineering	······································	Invoice:	415088
1.X - Task 1.x - Chapaton Joint Repair (WO21008) Rate Labor	\ 		
Class	Hours Rate	?	Amount
Senior Engineer	0.50 197.0000	j	98.50
	Total Rate Labor		98.50
Expenses	! !		
Account / Vendor	Cost Multiplie	r	Amount
Subconsultant			
NTH Consultants Ltd	11,656.69 1.09	5 1	12,239.52
	Total Expenses	7.	2,239.52
Total Bill Task: 1.X - Task 1.x - Chapaton Joint Repair (WO21008))	1.	2,338.02

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

12,338.02



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

Kellie Kource	95337	10/5/22
1. PREPARED BY (Please Type)	2. PHONE #	3. DATE

4. SET ID	5. POST DATE
VP221005 KA	93012

	6. VENDOR	NAME (Check to	De issued to)	7. VENDO	R NUMBER	8. ADDR CODE	9. Invoice N	lo (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice		e Amount	E MES	
		Fishbeck		V44	1063	01	01 415814 10/5/2022		\$			2,30	08.53	
						CHILD REC	ORD DETAIL II	NFORMATION					10, 37	7/ //1
Line	General 12. Org Key	Ledger 13. Object	Job L 14. Cost Center (CCNT)	edger 15. Object	16. Work Order Number		ry Reference HARACTERS)	18. Description (MAX = 3	30 CHARACTERS)		19. Amount	20. DIV	21. MISC	22. Sep CK
А	8210017M	80138	: CC0031	80138	: WO21008	8 1/2 Mi	le Relief :	Pjt #190051 throu	ıgh 9/30/22	\$	2,308.53	GEN		
В			:			:								
С			:			:								

PARENT RECORD INFORMATION

23. Total: \$ 2,308.53

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

9 Mile Structural Repair & Canal Rehab

25. Finance Officer:	BM/kk	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	\$53,080.21
27. Engineers:		32. Staff Date:	10/11/2022
28. Managers:		33. Board Date:	10/17/2022
29. Coordinator:		34. Select For Pay Date:	

MACOMB COUNTY PUBLIC WORKS OFFICE							
ENGINEERING INVOICE COVER SHEET							
WORK ORDER NUMBER	WO19005						
PROJECT NUMBER	WWS-2019-001						
PROJECT NAME	As-Needed General Engineering Services						
DRAINAGE DISTRICT	Eight and One-Half Mile F	District					
CONSULTANT NAME	Fishbeck						
INVOICE DATE	10/5/2022						
INVOICE START DATE	9/3/2022						
INVOICE END DATE	9/30/2022						
ORIGINAL CONT	RACT AMOUNT	\$	151,919.00				
CHANGE ORI	DER TOTAL	\$	278,732.00				
Change Order No. 1		\$	75,000.00				
Change Order No. 2		\$	128,732.00				
Change Order No. 6		\$	75,000.00				
TOTAL REVISED CO	NTRACT AMOUNT	\$	430,651.00				
(includes all approved	change orders only)						
TOTAL AMOUNT PRE	VIOUSLY INVOICED	\$	375,262.26				
TOTAL AMOUNT D	UE THIS INVOICE	\$	2,308.53				
TOTAL BUDGET	REMAINING	\$	53,080.21				
(Includes Total Revised Contract A							



Attention: Maria Sedki

Fishbeck

1515 Arboretum Drive Grand Rapids, MI 49456

US

Invoice: 630741 Invoice Date: 9/30/2022 Due Date: 10/30/2022 Project: 61190017

Project Name: MCO 8-1/2 Mile Sewer As-Needed

Bill Term: 1X

For Professional Services Rendered Through 9/23/2022

Contract: SP

Contract Name: Signed Proposal

Authorization per signed Proposal #61-190017-1X dated 7/26/2022

Authorization per signed Subconsultant Agreement Amendment 2/Project Nos. 190051, 190763, 200856 dated 8/1/2022

Professional Engineering Support for Joint Repairs to Chapaton Basin

					Billings	
		Fee	Available	To Date	Previous	Current
1X - Chapaton Joint Repai	irs	19,660.00	8,003.31	13,855.29	11,656.69	2,198.60
Rate Labor	2,094.00					
Expenses	14.00					
Unit Rate Expense	90.60					
Total Expense	104.60					
			C	urrent Billings		2,198.60

Amount Due This Bill 2,198.60

Total Fee:

19,660.00

To Date Billings :

13,855.29

Total Remaining:

5,804.71

Outstanding Receivables	Invoice Number	Date	Amount	Balance Due
	630498	9/1/2022	11,656.69	11,656.69
			· ·	11,656.69

Project: 61190017 - MCO 8-1/2 Mile Sewer As-Needed			1	nvoice: 630741
1X - Chapaton Joint Repairs Rate Labor				
Class / Employee	Hours		Rate	Amount
Principal Engineer		•	1	
John R. Kosnak	. 7.00		192.000	1,344.00
Sr Staff Professional				
Natasha Elza Simon	5.00		137.000	685.00
Word Processor				
Marguerite A. McKiever	0.50		65.000	32.50
Michelle Kitzinger	0.50		65.000	32:50
Total Word Processor	1.00			65.00
	Total Rate Labor			2,094.00
Expenses				
Vendor		Cost	Multiplier	Amount
Equipment		14.00	1.00	14.00
	Total Expenses			14.00
Unit Rate Expenses Account / Unit / Vendor	Quantity		Rate	Amount
Mileage		•		
REIMBURSED MILEAGE				
John R. Kosnak	70.00		0.580	40.60
Total Mileage				40.60
Per Unit Expenses				
QUAD GAS METER				
Equipment	2.00		25.000	50.00
	Total Unit Rate Expenses			90.60
Total Bill Task: 1X - Chapaton Joint Repairs				2,198.60



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: 415814 Invoice Date: 10/5/2022

Project: 190051

Project Name: Macomb Co PW/8.5 As-needed

Engineering

Bill Term: 1

For Professional Services Rendered Through 9/30/2022

WO19005

		Fee	Available	To Date	Previous	Current
1.E - Task 1e - Maps		7,500.00	1,657.89	5,842.11	5,842.11	0.00
1.R - Task 1r - 8DR Cont Entry/LOTO Program	fined Space	10,500.00	48.04	10,451.96	10,451.96	0.00
1.T - Task 1t - 9 Mile PS	Design As-Needed	5,000.00	5,000.00	0.00	0.00	0.00
1.U - Task 1u - Chapato Plan	n Rehab SRF Project	20,000.00	3,697.97	16,302.03	16,302.03	0.00
1.X - Task 1.x - Chapato (WO21008)	n Joint Repair	21,640.00	9,301.98	14,646.55	12,338.02	2,308.53
Expenses	2,308.53					
			С	urrent Billings		2,308.53
			Amoun	t Due This Bill		2,308.53

1.X - Task 1.x - Chapaton Joint Repair (WO21008)		1		
Expenses				
Account / Vendor	Cost	Multiplier		Amoun
Subconsultant	 •	Ì		
NTH Consultants Ltd	2,198.60	1.05		2,308.5
Total Expenses			2	2,308.5.



6. VENDOR NAME (Check to be issued to)

GC Commercial Roof

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

7. VENDOR NUMBER

2. PHONE #	3. DATE
95337	9/20/22

\$

11. Invoice Amount

18,000.00

VP220922EB

10. Invoice Date

						CHILD RECORD DETAIL	INFORMATION	La Singer and All of the		Tell In	
	General	Ledger		edger	16. Work	OPTIONAL				U	×
Line	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARAC	CTERS) 19. Amount	20. DIV	21. MISC	22. Sep CK
А	8210017M	93001	: CC0004	93001	: WO18006	8 1/2 Mile Relief	: Hatch Roof Replacement	t \$ 18,000.	00 GEN		
В			÷		:						
С			:		;						
D			:		:		:				
E			ž.		:		0				
F			0								
G											
										RE	V 09/2018
							23.	. Total: \$ 18,000.	00		
	25. Fin	ance Officer:	OR ADDITIONAL N		BM/kk		30. Drain:	8 1/2 Mile Reli	ef		
		Chief Deputy:					31. Project Balance:				
	2	27. Engineers:					32. Staff Date:	9/27/2022			
		28. Managers:	-				33. Board Date:	10/17/2022			
	29.	Coordinator:				57	34. Select For Pay Date:			-	_

PARENT RECORD INFORMATION

9. Invoice No (MAX = 16 CHARACTERS)

8. ADDR CODE

01

INVOICE

GC Commercial Roof Systems

Inc.

40951 IRWIN DRIVE HARRISON TWP., MI 48045 loriraf88@yahoo.com 586-961-6735 www.gcroofingservice.com

KRIS BENDA

Bill to

KRIS BENDA

MACOMB COUNTY PUBLIC

WORKS

21777 DUNHAM ROAD

CLINTON TOWNSHIP, MI 48036

Ship to

KRIS BENDA

MACOMB COUNTY PUBLIC

WORKS

21777 DUNHAM ROAD

CLINTON TOWNSHIP, MI 48036

Invoice details

Invoice no.: 176

Invoice date: 9/19/22 Terms: Due on receipt

Due date: 10/19/22

Product or service

Amount

1. 02 Site Work

1 unit × \$18,000.00

\$18,000.00

ROOF REPLACEMENT HATCH/CRANE ROOF @ MACOMB COUNTY PUBLIC WORKS 23001 E. 9 MILE ST. CLAIR SHORES, MI PO PW000252

Total

\$18,000.00

Chapaton Equipment Hatch Roof Replacement (2021/2022 Bodget)



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	9/6/22

4. SET ID 6. 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	V084851	02	2213866	9/1/2022	\$	2,387.40

	ALC: NO					CHILD RECORD DETAIL I	NFORMATION				
	Genera	l Ledger	Job L	edger	16.	OPTIONAL				O	č
Line	12. Org Key	13. Object	Cost Center (CCNT)	15. Object	Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep C
А	8210017M	93002	: CC0004	93002	: WO18006	8 1/2 Mile	: Pjt 20222004B	\$ 2,387.40	GEN		
В			\$		1	:					
С			:		1	:					
D											
E											
F											
G											

REV 09/2018

23. Total: \$

2,387.40

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

PW000265; APG Submersible Level Transducer

25. Finance Officer:	BM/kk	30. Drain:	8 1/2 Mile
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	9/13/2022
28. Managers:		33. Board Date:	10/17/2022
29. Coordinator:		34. Select For Pay Date:	



Knowledgeable • Professional • Attentive • Likeable

29770 Hudson Drive Novi, MI 48377 Phone: (586) 978-7200 hesco-mi.com Invoice No. 2213866

Date: 09/01/2022

Billed To: Macomb County Public Works Commission

Finance Dept 21777 Dunham Rd Clinton Twp MI 48036

Contract ID:

HESCO Project: 20222004B Chapton PS Pressure Transducers

Contact: Vincent Astorino	P.O.# PW000265	Salesperson:	Mitchell Livingstor	Due Date:	10/01/2022
Description		Ur	nit Qty	Rate	Amount
APG Submersible Level Trans	ducer PN:PT-500-	Ea	ch 2.00	1,182.20	2,364.40
PT-500-50-FT20-G-L1-E0	-P37-75-N0-B0-AC2				
Full Scale Range: 0-50 Ft	W.C.				
Electrical Output: 4-20 mA	Output				
Process Connection: Anti	Snag Cage				
Electrical Connection: 1/2 N	IPT Male for conduit				
cable					
Cable: 75 Ft. Polyurethane	e Vented 22 AWG Blue				
Accuracy: + 0.25% BFSL					
Vent Tube Included					
Class 1, Div. 1, Groups C	& D/ Class 1, Zone 0,				
Group IIB, Ex ia IIB T4				00/50	
Freight		Ea	ch 1.00	23.00	23.00

Notes:

UPS Tracking: 1Z 698 354 03 7121 5514

Non-Taxable Amount:	0.00
Taxable Amount:	2,387.40
Sales Tax:	0.00
Total Invoice	2,387.40
Payments/Credits:	0.00
Amount Due	2,387.40



Fwd: Emailing: HESCO INVOICE 2213866 PO PW000265 20222004.pdf,

1 message

Vincent Astorino < vincent.astorino@macombgov.org> To: Kellie Kource <kellie.kource@macombgov.org>

Fri, Sep 2, 2022 at 7:44 AM

Please process for payment. This is for PO# PW000265.

Vincent Astorino

Operations and Flow Manager Macomb County Public Works Commissioner Candice S. Miller 23001 E 9 Mile Rd, St. Clair Shores, MI 48080 Office: 586.469.6320 | Cell: 586.615.2436 Publicworks.macombgov.org

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----- Forwarded message -----

From: Sandra Mierka <Sandra.Mierka@hesco-mi.com>

Date: Thu, Sep 1, 2022 at 2:54 PM

Subject: Emailing: HESCO INVOICE 2213866 PO PW000265 20222004.pdf, To: vincent.astorino@macombgov.org <vincent.astorino@macombgov.org>

Cc: Mitchell Livingston <mitch.livingston@hesco-mi.com>, Chelsea Gaskins <Chelsea.Gaskins@hesco-mi.com>

Good afternoon and thank you again for choosing HESCO! Attached is invoice# 2213866 for your PO# PW000265.

If you have any questions or concerns, please feel free to reach out. Thanking you with best regards,

Sandra J. Mierka



Project Manager

Office: 586-978-7200

29770 Hudson Dr

Novi, Michigan 48377

hesco-mi.com









6. VENDOR NAME (Check to be issued to)

JCI JONES CHEMICALS INC

13. Object

72650

General Ledger

12. Org Key

8210017M

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

7. VENDOR NUMBER

V65297

Job Ledger

15. Object

72650

Cost Center

(CCNT)

CC0004

16.

Work

Order

Number

WO18006

8. ADDR CODE

0203

OPTIONAL

17. Secondary Reference

(MAX = 16 CHARACTERS)

8 1/2 Mile Relief

9. Invoice No (MAX = 16 CHARACTERS)

894401

CHILD RECORD DETAIL INFORMATION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	9/6/22
4. SET ID	5. POST	DATE

ON VP 226 907 KWA

\$

\$

19. Amount

9,285.77

11. Invoice Amount

20.

DIV

GEN

9,285.77

21. MISC

10. Invoice Date

8/30/2022

18. Description (MAX = 30 CHARACTERS)

Order #659537; 8/30/22/22/

		The state of the s			
		:			F
			23. Total: \$	9,285.77	
ENTS, INSTRUCTIONS OR ADDITION	IAL NOTES:				
ENTO, INSTITUTE TO NO OK ADDITION	AL NOTES.				
or Finance Officer:	DM/III.				
25. Finance Officer:	BM/kk	30. Drain:	8	8 1/2 Mile Relief	
	BM/kk		3		
25. Finance Officer:	B M /kk	30. Drain: 31. Project Balance:	3	B 1/2 Mile Relief N/A	
26. Chief Deputy:	B M /kk	31. Project Balance:	3	N/A	
	B M /kk		3		
26. Chief Deputy:	BM/kk	31. Project Balance: 32. Staff Date:	3	N/A 9/13/2022	
26. Chief Deputy:	BM/kk	31. Project Balance:	3	N/A	
26. Chief Deputy:	BM/kk	31. Project Balance: 32. Staff Date:	3	N/A 9/13/2022	



Customer Number 21543215

MACOMB COUNTY

www.jcichemicals.com

*** 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 #
08/30/2022	894401
Date Shipped	Order/BOL#
08/30/2022	665959

INVOICE

s ID#:1

H CHAPATON PUMPING STATION

P 23001 NINE MILE RD ST CLAIR SHORES, MI 48080-

T USA

0

U	ATTN: ACCTS PAYABLE
L	23001 9 MILE ROAD
D	Saint Clair Shores , MI 48080-

T USA

0

S

Customer PO #			FOB Remark	Freight	Terms	Sales ID		
	VBL-CHRIS	BENDA	Destination	Destination Delivered		NORTH		
	Rele	ase #	Ship Via	Terms	Due Date	Discount Due Date		
			Harold Marcu	N 30	09/29/2022	9/29/2022		
Units	Package		Product Name	Total Quantity	Unit Price	Amount		
	1 Gal Bulk Remarks:		HYPOCHLORITE SOLUTION, SS150 1201-001 BULK (\$85 Stop Fee) (+ fsc) E TO: kellie.kource@macombgov.org <>	4,477.0000/Gal	2.0645 /Gal	9,242.77		
		N- 45,440 SP GR- 1.218 FSC- \$43.00	Fuel Surcharge			43.00		

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Total:

9 285 77

Remit To: JCI JONES CHEMICALS, INC.

1765 RINGLING BLVD. SARASOTA, FL 34236- USA PLEASE PAY THIS AMOUNT





ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	10/6/22
4. SET ID	5, POST	DATE
	0/49/2	
	9/38/21	1

23. Total: \$

149,960.00

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		
L D'Agostini & Sons, Inc.	V76494	01	WWS-2022-004 APP #2	9/30/2022	\$	149,960.00		

						CHILD RECORD DETAIL I	NFORMATION				
	Genera	Ledger	Job Ledger		16.	OPTIONAL				()	S S
Line	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep C
А	8210017M	80126	: CC0031	80126	: WO21008 :	8 1/2 Mile Relief	Expansion Joint Repairs	\$ 149,960.00	GEN		
В			:		:						
С			:		:						
D					:						
E			:		:						
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G			4								

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24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	BM/kk	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	
27. Engineers:		32. Staff Date:	10/11/2022
28. Managers:		33. Board Date:	10/17/2022
29. Coordinator:		34. Select For Pay Date:	

MACOMB COUNTY PUBLIC WORKS OFFICE CONTRACTOR INVOICE COVER SHEET

WORK ORDER NUMBER

WO21008

PROJECT NUMBER

WWS-2022-004

PROJECT NAME

Chapaton RTB Expansion Joint Repairs

DRAINAGE DISTRICT

Eight and One-Half Mile Relief Drain Drainage District

CONTRACTOR NAME

L. D'Agostini & Sons, Inc.

INVOICE DATE

9/28/2022

INVOICE START DATE

9/1/2022

INVOICE END DATE

9/30/2022

ORIGIN	ORIGINAL CONTRACT AMOUNT					
СН	ANGE ORDER TOTAL		\$	(22,950.00)		
Change Order No. 1	Date Executed:	10/6/2022	\$	(22,950.00)		
Change Order No. 2	Date Executed:					
Change Order No. 3	Date Executed:					
Change Order No. 4	Date Executed:					
TOTAL RE	VISED CONTRACT AMOUNT		\$	235,100.00		
(includes all	approved change orders only)					

TOTAL AMOUNT PREVIOUSLY INVOICED	5	85,140.00

TOTAL AMOUNT DUE THIS INVOICE	\$ 149,960.00

TOTAL BUDGET REMAINING

\$

(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)

Contractor's Application for Payment Owner: Eight and One-Half Mile Relief Drain Drainage District Owner's Project No.: WWS-2022-004 Engineer: NTH Consultants, Ltd. Engineer's Project No.: 61-190017-1X L. D'Agostini & Sons, Inc. Contractor: Contractor's Project No.: 22-04 Project: Chapaton RTB Expansion Joint Repairs Contract: Chapaton RTB Expansion Joint Repairs Application No.: **Application Date:** 9/28/2022 9/1/2022 **Application Period:** From 9/30/2022 1. Original Contract Price 258,050.00 2. Net change by Change Orders (22,950.00)3. Current Contract Price (Line 1 + Line 2) 235,100.00 4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total) 235,100.00 5. Retainage X \$ 235,100.00 Work Completed 10% X \$ - Stored Materials c. Total Retainage (Line 5.a + Line 5.b) 6. Amount eligible to date (Line 4 - Line 5.c) 235,100.00 7. Less previous payments ((Line 6 from prior application) 85,140.00 8. Amount due this application 149,960.00 9. Balance to finish, including retainage (Line 3 - Line 6) 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: L. D'Agostini & Sons, Inc. Signature: 10/5/2022 DocuSigned by: Recommend Approved by Owner John R. Kosnak By: -08D80029F4504E2 John Kosnak, P.E. / Principal Engineer Title: Title: Date: October 6, 2022 10/06/2022 Date: Approved by Funding Agency By: Title: Operations & Flow Manager Title: 10/06/2022 Date: Date:

Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	Eight and One-Half Mile Relief Drain Drainage District	Owner's Project No.:	WWS-2022-004
Engineer:	NTH Consultants, Ltd.	Engineer's Project No.:	61-190017-1X
Contractor:	L. D'Agostini & Sons, Inc.	Contractor's Project No.:	22-04
Project:	Chapaton RTB Expansion Joint Repairs		
Contract:	Chapaton RTB Expansion Joint Repairs		

Application	No.: 2 Application Period:	From	09/01/22	to	09/30/22				Applica	tion Date:	09/28/22
A	В	C	D	E	F	G	H		1	K	
			Contrac	t Information		Work C	ompleted				Part of the last
Bid Item	Description	Item Quantity	Units	Unit Price (\$)	Value of Bid Item (C X E) (\$)	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) (\$)	Materials Currently Stored (not in G) (\$)	Work Completed and Materials Stored to Date (H + I) (\$)	% of Value of Item (J / F) (%)	Balance to Finish (I
				Orig	inal Contract						
1	Joint Repair w/o Cross Member	13.00		15,300.00	198,900.00	13.00	198,900.00		198,900.00	100%	
2	Joint Repair w/ Cross Member	2.00	EA	18,100.00	36,200.00	2.00	36,200.00		36,200.00	100%	
3	Joint Filler Repair	15.00	EA	1,530.00	22,950.00	15.00	22,950.00		22,950.00	100%	
										P. T.	
							-				
											- 4
											-
			Origin	al Contract Totals	\$ 258,050.00		\$ 258,050.00	\$ -	\$ 258,050.00	100%	\$ -

Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	Eight and One-Half Mile Relief Drain Drainage District	Owner's Project No.:	WWS-2022-004
Engineer:	NTH Consultants, Ltd.	Engineer's Project No.	: 61-190017-1X
Contractor:	L. D'Agostini & Sons, Inc.	Contractor's Project N	o.: 22-04
Project:	Chapaton RTB Expansion Joint Repairs		-
Contract:	Chapaton RTB Expansion Joint Repairs		

pplication	No.: 2 Application Period:	From	09/01/22	to	09/30/22				Applica	ation Date:	09/28/22
A	В	C	D	E	F	G	Н	1	J	K	L -
		C		act Information		Work Completed				Local	
Bid Item	Description	Item Quantity	Units	Unit Price (\$)	Value of Bid Item (C X E) (\$)	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) (\$)	Materials Currently Stored (not in G) (\$)	Work Completed and Materials Stored to Date (H + I) (\$)	% of Value of Item (J / F) (%)	Balance to Finish - J) (\$)
					nge Orders						
3X	Joint Filler Repair	(15.00)	EA	1,530.00	(22,950.00)	(15.00)	(22,950.00)		(22,950.00)	100%	
					100						
					-		-				
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				There are Order Total	- (22.050.00)		é (22.050.00)		- (22 pro 22)	405	
				Change Order Totals	\$ (22,950.00)		\$ (22,950.00)	\$ -	\$ (22,950.00)	100%	5 -
					act and Change Order	rs	(22)230100)	1.4	y (22,550.00)	100%	*
				Project Totals			\$ 235,100.00	\$ -	\$ 235,100.00	100%	ė

	Michigan Macomb	SWORN STATEMENT	Date:	September 28, 2022
Michael D'Agos	itini	, being duly sworn, states the following:	-	
L. D'Agostini &	Sons, Inc. is the c	ontractor for an improvement to the following real property in		
Ma	acomb	County, Michigan, described as follows:		
		Chapaton RTB Expansion Joint Repairs		
		St. Clair Shores, Michigan		

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:

due to the persons as of the date of this statement are correctly and t			y sectional oppo	isite their name.), -			
Name of Subcontractor, Supplier or Laborer	Type of Improvement furnished	Total Contract amount	Change Order(s)	Revised Contract Amount	Amount already paid	Amount Currently Owing	Retention	Balance to complete
Boomer Construction Materials	Materials	3,314.62	(3,080.00)	234.62	-	234.62	~	-
Mid States Bolt & Screw	Materials	3,276.30	-	3,276.30	-	3,276.30	-	-
Smede-Son Steel & Supply	Materials	3,091,23	-	3,091.23		3,091.23	-	-
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	_1			-		-		
		9,682.15	(3,088,00)	6,602.15	-	6,602.15	-	-

The contractor has not procured material from, or subcontracted with improvement other than the sums set forth.	n, any person other than those set forth and owes no money for
I make this statement as the contractor or as the owner or lessee of the property and his or her agents that the property construction liens, except as specifically set forth in this statement and under Section 109 of the Construction Lien Act, 1980 PA 497, MCL 570.1	except for claims of construction liens by laborers that may be provided
WARNING TO OWNER OR LESSEE: AN OWNER OR LESSEE OF THE PROP A SUBCONTRACTOR, SUPPLIER OR LABORER WHO HAS PROVIDED A NO FURNISHING UNDER SECTION 109 OF THE CONSTRUCTION LIEN ACT, 19 LESSEE IF THE DESIGNEE IS NOT NAMED OR HAS DIED.	
OWNER'S OR LESSEE'S DESIGNEE MUST GIVE NOTICE OF ITS RECEIPT, EI SUBCONTRACTOR, SUPPLIER, AND LABORER WHO HAS PROVIDED A NO	
IF A SUBCONTRACTOR, SUPPLIER WHO HAS PROVIDED A NOTICE OF FU REQUEST, THE OWNER, LESSEE, OR DESIGNEE SHALL PROVIDE THE REQ AFTER RECEIVING THE REQUEST.	RNISHING OR WHO IS NAMED IN THE SWORN STATEMENT MAKES A UESVER A COPY OF THE SWORN STATEMENT WITHIN 10 BUSINESS DAYS Deponent
WARNING TO DEPONENT: A PERSON WHO GIVES A FALSE SWORN STAT AS PROVIDED IN SECTION 110 OF THE CONSTRUCTION LIEN ACT, 1980 F	TEMENT WITH INTENT TO DEFRAUD IS SUBJECT TO CRIMINAL PENALTIES PA 497, MCL 570.1110.
Ginnifer Villarreal Notary Public of Michigan Odakland County Expires 08/26/2027 Acting in the County of	Subscribed and sworn to before me this 28th day of September 2022 Mullium Motary Public Macomb County, Michigan My Commission expires: 8/26/2027

^{*}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.

CHANGE ORDER NO.: 001

Owner: 8-1/2 Mile Relief Drain Drainage District Owner's Project No.: WWS-2022-004
Engineer: NTH Consultants, Ltd. Engineer's Project No.: 61-190017-1X
Contractor: L. D'Agostini & Sons, Inc. Contractor's Project No.: 22-04

Project: Chapaton RTB Expansion Joint Repairs Contract Name: Chapaton RTB Expansion Joint Repairs

Date Issued: 10/05/2022 Effective Date of Change Order: 09/30/2022

The Contract is modified as follows upon execution of this Change Order:

Final balancing Change Order to zero-out project based on as-installed quantities. Contract decrease amount relates to Pay Item #3 - Joint Filler Repairs. Quantity as-bid was 15-EA @ \$1,530 but this pay item was not utilized since the existing rubberized joints were discovered in good shape and not in need of replacement.

Attachments: None

Change in Contract Price Change in Contract Times

Original Contract Price: \$ 258,050.00	Original Contract Times: Substantial Completion: 10/01/22 Completion Ready for final payment: 10/01/22 Completion
Increase from previously approved Change Orders: \$ No Previous Change Orders	Increase from previously approved Change Orders: Substantial Completion: Ready for final payment: N/A
Contract Price prior to this Change Order: \$ 258,050.00	Contract Times prior to this Change Order: Substantial Completion: 10/01/22 Completion Ready for final payment: 10/01/22 Completion
Decrease this Change Order: \$ 22,950.00	Decrease this Change Order: Substantial Completion: 0 Days Ready for final payment: 0 Days
Contract Price incorporating this Change Order: \$ 235,100.00	Contract Times with all approved Change Orders: Substantial Completion: 10/01/22 Completion Ready for final payment: 10/01/22 Completion

By (signature):	John R. Losnak	Authorized by Contractor
Name & Title:	John R. Kosnak, P.E. / Principal Engineer	Michael D'Agostini, Secretary / Treasurer
Date:	October 6, 2022	October 5, 2022
By (signature):	Authorized by Owner	Approved by Funding Agency
Name & Title:	Brian Baker, Chief Deputy	
Date:	10/05/2022	

EJCDC® C-941, Change Order.



6. VENDOR NAME (Check to be issued to)

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

7. VENDOR NUMBER

. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	9/19/22

4. SET ID	6. POST DATE
18220922 LB	

Ma	Marino's Landscape			66876 02 19670		19670	8/31/2022	\$			1,44	45.00	
CHILD RECORD DETAIL INFORMATION									Li Sh in	ne s	u nješti		
Genera			Job Ledger 16.		OPTIONAL							U	¥
12. Org Key	13. Object	Cost Center (CCNT)	15. Object	Work Order Number	17. Secondar (MAX = 16 CH		18. Description (MAX = 30	CHARACTERS)		19. Amount	20. DIV	21. MISC	22. Sep (
8210017M	92900	: CC0004	92900	: WO18006 :	8 1/2 Mil	e Relief :	Lawn Care Augus	st 2022	\$	1,445.00	GEN		
		:		:		:							

PARENT RECORD INFORMATION

9. Invoice No (MAX = 16 CHARACTERS)

8. ADDR CODE

REV 09/2018

23. Total: \$

10. Invoice Date

1,445.00

11. Invoice Amount

5. Finance Officer:	BM/kk	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	9/27/2022
28. Managers:		33. Board Date:	10/17/2022
29. Coordinator:		34. Select For Pay Date:	

Marino's Landscape

62170 Van Dyke Road Washington, MI 48094 586-803-3860



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

PO#

Email:

Invoice #

19670 8/31/2022

Invoice Date

\$1,445.00

Invoice Balance

Barb@marinoslandscape.com Website: www.marinoslandscape.com

Date	Description
8/2/2022	Lawn Maintenance
8/9/2022	Lawn Maintenance
8/16/2022	Lawn Maintenance
8/23/2022	Lawn Maintenance
8/30/2022	Lawn Maintenance

Terms Due on receipt

For 23001 E. 9 Mile Rd. - Chapaon 8 1/2 Mile, St Clair

Shores MI 48080

	Qty	Price	Total
	1.00	289.00	289.00
	1.00	289.00	289.00
	1.00	289.00	289.00
	1.00	289.00	289.00
	1.00	289.00	289.00
Subtotal			1445.00
Invoice Tot	al		1445.00

Invoice Balance \$1,445.00

Client Name Macomb County Public Works Office

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

Invoice # 19670

Invoice Date 8/31/2022

Invoice Balance \$1,445.00

Amount Enclosed

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.

PAYMENT STUB

Marino's Landscape 62170 Van Dyke Road Washington, MI 48094

Card #

Exp. Date

Signature



6. VENDOR NAME (Check to be issued to)

Motor City Electric Technologies

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

7. VENDOR NUMBER

V17465

8. ADDR CODE

02

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	9/6/22
4. SET ID	5. POST	DATE

\$

11. Invoice Amount

540.00

ON VP220909K4

10. Invoice Date

9/1/2022

					NFORMATION					
edger 13. Object	Job L 14. Cost Center (CCNT)	14. Cost Center		17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARAC	TERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
93002	: CC0014	93002	: WO18077	8 1/2 Mile Relief	Job #921501; 8/9/22	\$	540.00	GEN		
	:		:							
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			:						, pr	V 09/20
					23.	Total: \$	540.00		111	V 03/20
nce Officer:			BM/kk	A. C.	no Drain:		8 1/2 Mile Relief			
						Staff Date: 9/13/2022				
					as Statt Date:					
Managers:	-				32. Staff Date:		10/17/2022			
	93002 TRUCTIONS Conce Officer:	14. Cost Center (CCNT) 93002 : CC0014 : : : : : : : : : : : : : : : : : : :	14. Cost Center (CCNT) 15. Object 93002 : CC0014 93002 : CTRUCTIONS OR ADDITIONAL NOTES:	14. Cost Center (CCNT) 15. Object 93002 CC0014 93002 WO18077 WO18077 CTRUCTIONS OR ADDITIONAL NOTES: BM/kk Sief Deputy:	16. OPTIONAL 17. Secondary Reference (MAX = 16 CHARACTERS) 93002 CC0014 93002 WO18077 8 1/2 Mile Relief 17. Secondary Reference (MAX = 16 CHARACTERS) 18. Order Number 19. Secondary Reference (MAX = 16 CHARACTERS) 19. Secondary Reference (MAX =	14.	3. Object 16. Object 16. Object 17. Secondary Reference (MAX = 16 CHARACTERS) 18. Description (MAX = 30 CHARACTERS)	10. 10.	30 20 30 30 30 30 30 30	3002 CC0014 93002 WO18077 8 1/2 Mile Relief 30. Drain: 8 1/2 Mile Relief 31. Project Balance: N/A

9. Invoice No (MAX = 16 CHARACTERS)

94675



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 Sub Contract Date Application Number Job Number Performed Date Number 922501 001 8/9/2022 9/1/2022 94675

BRENT WELSER

Item No	Description of Work		Contract	Previous	Current	To Date	Balance	Current
			Amount	Billings	Amount	Complete & Stored	To Finish	Retainage
001	T&M SERVICES		\$540.00		\$540.00	\$540.00	-	-
		Totals:	\$540.00		\$540.00	\$540.00		
		Less Retained:						
		Invoice Total:			\$540.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 8/9/2022

8/2 SCADA As Needel



Invoice Summary

Macomb County Public Works

 Job No:
 922501

 Invoice No:
 94675

 Invoice Date:
 9/1/2022

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

Invoice Detail

INVOICE DETAIL	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	INVOICE TOTAL
Labor	6.00			\$540.00		\$0.00	\$0.00	\$540.00
Invoice Totals:	6.00			\$540.00		\$0.00	\$0.00	\$540.00

Invoice Detail by Field Report

8/9/2022 Chapaton Storm Pumps

Report Number: G922501-0003	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	6.00			\$540.00		\$0.00	\$0.00	\$540.00
Report Totals:	6.00			\$540.00		\$0.00	\$0.00	\$540.00



9440 GRINNELL, DETROIT, MI 48213-1151

FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO:

G922501-

00039

CUSTOMER: Macomb	County Public Works	DATE:	8/9/2022	MCE JOB NO:	922501	SHEET	OF
LOCATION OF WORK:	Chapaton Storm Pumps			CUSTOME	R ORDER NO:		

WORK PERFORMED:

Investigated drawings and logic to determine what may have caused storm pump 1 to start and immediately stop. Then restart again. Found excitation voltage and current was poor during that start and may have tripped a field current relay. Reviewed logic and determined that pump will not trip out on fail to start right away, and could restart once restart relay on the motor starter times out. Added uncommanded stop fault logic to prevent this from happening again. Added alarm messages. Should add inhibits to prevent another pump from starting WHILE first pump is attempting start.

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF				TOTAL		
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
Engineer-Controls/PLC/SCADA/Auto	mation								Subtotal:	\$540.00
Gilbert, Darin	6.00	\$90.00	\$540.00		\$122.00	\$0.00		\$153.00	\$0.00	\$540.00
									TOTAL:	\$540.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	6.00			\$540.00		\$0.00	\$0.00	\$540.00
REPORT TOTALS:	6.00			\$540.00		\$0.00	\$0.00	\$540.00

9440 GRINNELL DETROIT, MI 48213-1151



FIELD REPORT

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

	FOR	M i	#
G	922501	-	00039
	Job No		Serial No

	_	***	•	_									
CUSTOM		acomb Co orks	ounty Office of Publi	С	DATE:	8/9	2022		JOB NO:		922501		
LOCATIO	N OF W	ORK: C	hapaton Storm Pum	ps					С	usto	MER ORDER NO:		
PO NO: [PROJECT MAN	IAGE	R: Maechtle,	Robert]						
WORK PE	ERFOR	MED (BE	AS DESCRIPTIVE AS	S PO	SSIBLE):								
and currer away, and	nt was p	oor during	ogic to determine what that start and may have restart relay on the d inhibits to prevent a	ave tr	ripped a field cur r starter times ou	rrent relay ut. Added	. Review	wed logic a manded st	and determin op fault logid	ed that to pre	at pump will not trip o	out on fai	I to start right
						LAE	BOR						
NAM	ME	TRUCK NO.	CLASSIFICATION		STRAIGHT TI	ME	TIME	AND ONE	HALF	DO	OUBLE TIME	SHIFT	COMMENTS
1 Darin	Gilbert		Engineer			6.00			0.00		0.00	1	
			TOTAL HOURS			6.00			0.00		0.00		
					Е	QUIF	ME	NT					
DES	SCRIPT	ION	QUANTITY		DESCR	IPTION		QU	ANTITY	T	DESCRIPTION		QUANTITY
1 5	Service	Truck	0	2	Manlift So	cissors to	25'		0	3	Pick Up Truck		0
4 F	Rolling S	Set Up	0	5	Manlift E	Boom to 4	0'		0	6	.None		0
					N	MATE	RIA	LS					
Q	TY		DESCRIPT	ON			PRICE		PER		EX	TENSION	ı
()		None					\$0.00					\$0.00
								M	ATERIAL TO	DTAL			\$0.00
BY:							BY:						
		~	~										
_													
(S	UPERV	ISOR SIG	NATURE AND DATE)				(AUTHO	RIZED SIGN	IATUR	RE AND DATE)		
D	arin	Gilber						Brent	Welser				
(P	RINT N	AME)						(PRINT N	IAME)				

922501-00039



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST PUBLIC WORKS DIVISION

PHONE NUMBER	DATE
95337	10/6/2022

SET ID	POST DATE
VP221006K4	

	PARENT RECORD INFORMATION								
VENDOR NAME	VENDOR NUMBER	ADDR CODE	INVOICE NUMBER	INVOICE DATE		INVOICE AMOUNT			
NexGen	V65304	01	3356	7/1/2022	\$	43,003.00			

CS/17 (S				CI	HILD RECORD DETAIL II	VFORMATION				
GENERAL	LEDGER	JOB LEI	OGER							
ORG KEY	OBJECT	COST CENTER	ОВЈЕСТ	WORK ORDER NUMBER	DRAIN NAME	DESCRIPTION	AMOUNT	DIV	MISC	SEP CK
8210166M	80152	CC0018	80152	WO20041	MIDDD	License/Support/Contractor Portal 7/1-9/30	\$ 3,732.57	GEN		
8210017M	80152	CC0004	80152	WO20041	8 1/2 Mile Relief	License/Support/Contractor Portal 7/1-9/30	\$ 2,799.43	GEN		
8210072M	80152		80152	WO20041	Martin	License/Support/Contractor Portal 7/1-9/30	\$ 560.25	GEN		
8713018M	80152		80152	WO20041	SEMCWWDS	License/Support/Contractor Portal 7/1-9/30	\$ 373.80	GEN		
8210166M	12302	CC0018	12302	WO20041	MIDDD	License/Support/Contractor Portal 10/1-6/30	\$ 11,073.93	GEN		
8210017M	12302	CC0004	12302	WO20041	8 1/2 Mile Relief	License/Support/Contractor Portal 10/1-6/30	\$ 8,305.45	GEN		
8210072M	12302		12302	WO20041	Martin	License/Support/Contractor Portal 10/1-6/30	\$ 1,660.72	GEN		
8713018M	12302	5	12302	: WO20041 :	SEMCWWDS	: License/Support/Contractor Portal 10/1-6/30	\$ 1,106.85	GEN		
8210166M	80152				MIDDD (IT)	License/Support/Contractor Portal 7/1-9/30	\$ 3,375.46	GEN		
8210166M	12302	2		5 5	MIDDD (IT)	: License/Support/Contractor Portal 10/1-6/30	\$ 10,014.54			

TOTAL: \$ 43,003.00

COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:		ij.
IT to reimburse MIDDD for (5) License Maintenance & Support use	ed by Stormwater Division	n

Finance Manager:	BM/kk	Drain:	Multiple
Chief Engineer:		Project Balance:	N/A
Engineer(s):		Staff Date:	10/11/2022
Manager(s):		Board Date:	10/17/2022
Coordinator:	79	Select for Pay Date:	

NEXGEN Asset Management

Invoice

4010 Lennane Drive Sacramento, CA 95834

> Invoice #: 3356 Invoice Date: 7/1/2022

Due Date: 7/16/2022 **Terms** Net 15

P.O. Number:

Bill To:

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

[tem	Description	Hours/Qty	Rate	Class	Serviced	Amount
NEXGEN AM License	NEXGEN AM License Maintenance & Support 7/1/22 - 6/30/23	10	2,678.00	AM		26,780.00
NEXGEN Contractor Po	NEXGEN Contractor Portal 7/1/22 - 6/30/23		16,223.00	AM		16,223.00T
	No Sales Tax		0.00%	АМ		0.00
(WO 2004) MIDDD	29,613.00					
MIDDD	14,806.50					
8/12	14,806.50					
martin Semennos	2,220,99					
Semen DS	1,480.45					
	13,390.00	ITP	ortion			

Direct Deposit: Bank of America Routing: 122400724 Account: 501027660919 Send remittances to: vyee@nexgenam.com.

Phone #	E-Mail
916.564.8000	vyee@nexgenam.com

Total	\$43,003.00
Payments/Credits	\$0.00
Balance Due	\$43,003.00



24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

2023 Interceptor Inspection Program

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	10/4/22
CETID	- DOCT	1

4. SET ID	5. POST DATE
VP221005KA	9/30

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			
NTH Consultants, Ltd.	V11662	02	630718	9/30/2022	\$	984.00		

						CHILD RECORD DETAIL I	NFORMATION		1919-51		A. TELLE
	Genera	Ledger		.edger	16.	OPTIONAL				0	¥
Line	12. Org Key	13. Object	Cost Center (CCNT)	15. Object	Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
А	8210017M	80138	: CC0031	80138	: WO22027	8 1/2 Mile Relief	Pjt #22000325 through 9/23/22	\$ 984.00	GEN		
В			:		:						
С			:		:						
D					:						
E					1	:					
F											
G											

23. Total: \$ 984.00

25. Finance Officer: BM/kk 30. Drain: 8.5

26. Chief Deputy: 31. Project Balance: \$72,918.00

27. Engineers: 32. Staff Date: 10/11/2022

28. Managers: 33. Board Date: 10/17/2022

29. Coordinator: 81

MACOMB COUNTY PUBLIC WORKS OFFICE CONSULTANT INVOICE COVER SHEET

WORK ORDER NUMBER WO22022

PROJECT NUMBER WWS-2022-005

PROJECT NAME 2023 Interceptor Inspection Program

DRAINAGE DISTRICT Eight and One-Half Drain Drainage District

CONSULTANT NAME NTH Consultants, Ltd.

INVOICE DATE 9/30/2022

INVOICE START DATE 8/26/2022

INVOICE END DATE 9/23/2022

ORIGIN	AL CONTRACT AMOUNT	\$ 81,507.00
CHA	ANGE 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 REV	/ISED CONTRACT AMOUNT	\$ 81,507.00

(includes all approved change orders only)

TOTAL AMOUNT PREVIOUSLY INVOICED \$ 7,605.00

TOTAL AMOUNT DUE THIS INVOICE \$ 984.00

TOTAL BUDGET REMAINING \$ 72,918.00

(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)



Attention: Steve Wagner

Macomb County Dept. of Public Works

21777 Dunham Road Clinton Township, MI 48036

US

Invoice: 630718 Invoice Date: 9/29/2022

Due Date: 10/29/2022 **Project:** 22000325

Project Name: MCO 2023 Interceptor Inspection

Program

Bill Term: 2

For Professional Services Rendered Through 9/23/2022

Contract: CC

Contract Name: Client Contract

Authorization per Client Contract # WWS-2022-005 dated 6/24/2022

Provide Professional Engineering Services for the 8-Mile Relief Drain Drainage District (8MRDDD) 2023 Interceptor Inspection Program

				Billings			
		Fee	Available	To Date	Previous	Current	
2A - 8MRDDD Contract Docum	ments	30,746.00	23,141.00	8,589.00	7,605.00	984.00	
Rate Labor	960.00						
Unit Rate Expense	24.00						
2B - 8MRDDD Bid Assistance		4,864.00	4,864.00	0.00	0.00	0.00	
2C - 8MRDDD Inspection Ove	ersight	45,897.00	45,897.00	0.00	0.00	0.00	
			Cu	ırrent Billings		984.00	
			Amount	Due This Bill	-	984.00	

 Total Fee:
 81,507.00

 To Date Billings:
 8,589.00

Total Remaining: 72,918.00

Project: 22000325 - MCO 2023 Interceptor Insp	ection Program		Invoice: 630718
2A - 8MRDDD Contract Documents Rate Labor			
Class / Employee	Hours	Rate	Amount
Principal Engineer			
John R. Kosnak	2.50	192.000	480.00
Staff Professional			
Stephen H. Bryan	4.00	120.000	480.00
	Total Rate Labor		960.00
Unit Rate Expenses			
Account / Unit / Vendor	Quantity	Rate	Amount
Per Unit Expenses			
CADD Supplies			
Stephen H. Bryan	4.00	6.000	24.00
	Total Unit Rate Expenses	1 1	24.00
Total Bill Task: 2A - 8MRDDD Contract Docume	ents	}	984.00

Total Project: 22000325 - MCO 2023 Interceptor Inspection Program

984.00



6. VENDOR NAME (Check to be issued to)

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

7. VENDOR NUMBER

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

4. SET ID 5. POST DATE

10. Invoice Date

VP220922KB

- 1				()		ter introduce Batte	The investor		o raniouni.					
	Swan	Analytical Int	ruments	V67	7870	01	C	CD10004731 9/8/2022		\$			1,34	49.20
j						CHILD REC	ORD DETAIL I	NFORMATION		Winds	NESS COMMEN		E.A.	CS-F
Line	General Ledger 12. Org Key 13. Object		Job L 14. Cost Center (CCNT)	edger 15. Object	16. Work Order Number	OPTIONAL 17. Secondary Reference (MAX = 16 CHARACTERS)		18. Description (MAX = 30	= 30 CHARACTERS)		19. Amount	20. DIV	21. MISC	22. Sep CK
А	8210017M	93001	: CC0004	93001	: WO18006	: 8 1/2 Mile Relief :		Cust #2464 Order	13032049	\$	674.60	GEN		
В	8210072M	93001	:		:	Martin :		Cust #24646, Order	Cust #24646, Order 13032049		674.60	GEN		0
С			:											
D			:											
E			:				7.							
F														

PARENT RECORD INFORMATION

9. Invoice No (MAX = 16 CHARACTERS)

8. ADDR CODE

REV 09/2018

23. Total: \$

1,349.20

11. Invoice Amount

M/kk 30. Drain:	8 1/2 Mile Relief; Martin
31. Project Balance:	N/A
32. Staff Date:	9/27/2022
33. Board Date:	10/17/2022
	31. Project Balance: 32. Staff Date:

Invoice

ORIGINAL



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

Order No. Customer No. Invoice No. Invoice Date Page 13032049 24647 CD10004731 9/8/22 1/2

Your Reference

24647

Terms of Payment

Purchase Order Number Verbal Kris 081722 30 Days Net

Real Ship Date

Sep 7, 2022

Delivery Terms Ship Via

FCA Incoterms 2020 Road transport

Our Reference Our Salesperson

Heather Rich Kevin Forsman

Macomb County Public Works 23001 9 Mile Road St Clair Shores, MI 48080 UNITED STATES

Delivery Address

9/7/22 UPS TRACKING 1ZA154F50350356604

M/F: ATTN: KRIS BENDA 586-772-3425

Pos	Part No Description	Sales Qty	Unit Price	Tax % Net AmountUSD
1	A-87.027.020	1 pcs	171.00	171.00
	Swansensor NT5K, 0.8	8m		
	Customs Stat No	9027.9000		
	Country of Origin	CH		
	Lot Batch No	222421		
	Net weight	0.023 kg		
	Delivery Note(s)	26458		
2	A-83.590.030	1 pcs	33.50	33.50
	Cleaning set for Trides flow cell			
	Customs Stat No	9027.9000		
	Country of Origin	CH		
	Net weight	0.021 kg		
	Delivery Note(s)	26458		
3	A-85.151.100	1 pcs	580.00	580.00
	Verification-kit AMI Ph	otometer, short		
	Customs Stat No	3822.9000		
	Country of Origin	СН		
SWAN	Analytical USA Inc.	Phone 847 229 1290		

225 Larkin Drive Unit 4 US-Wheeling, IL 60090 Fax 847 229 1320 info@swan-analytical-usa.com www.swan-analytical-usa.com

Invoice

ORIGINAL



Order No.

Customer No. Invoice No.

Invoice Date Page

13032049

24647

CD10004731 9/8/22

Pos	Part No Description	Sales Qty	Unit Price		Tax % N	et AmountUSD
	Serial No	2124000043				
	Net weight	0.3494 kg				
	Delivery Note(s)	26458				
4	A-86.191.890	3 pcs	178.00			534.00
	Tubing kit reagent A	MI Codes-II and AMI Ph	osphate-II			
	Customs Stat No	9027.9000				
	Country of Origin	CH				
	Net weight	0.078 kg				
	Delivery Note(s)	26458				
			Sub Total		USD	1,318.50
			Freight Cha	rges		30.70
			Net Total		USD	1,349.20
			Total Tax			0.00
			Gross Total		USD	1,349.20
Tax T	otals					
Tax C	ode Description	%		Tax Base Amount	Tax Amount	Gross Amount
C-CIT	Y City Tax	0		1,349.20	0.00	1,349.20
C-CO	UNTY County Tax	0		1,349.20	0.00	1,349.20
C-DIS	TRICT District Tax	0		1,349.20	0.00	1,349.20
C-STA	TE State Tax	0		1,349.20	0.00	1,349.20

93001 Chap & Martin



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	9/26/22
4. SET ID	5. POST	DATE
VP220922KB		

23. Total: \$

		PARENT F	RECORD INFORMATION	Jane Brand	فسيطل	
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	Fair Property	11. Invoice Amount
Swan Analytical Intruments	V67870	01	CD10004730	9/8/2022	\$	2,819.10

						CHILD RECORD DETAIL I	NFORMATION			Brang	
	General Ledger		edger 500 Ledger		16. Work	OPTIONAL				၁င္ဗ	CK
Line	12. Org Key	13. Object	Cost Center (CCNT)	15. Object	Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep
А	8210017M	93001	: CC0004	93001	: WO18006	8 1/2 Mile Relief	Cust #24647; Order 13031807	\$ 1,350.00	GEN		
В	8210072M	93001	4		:	. Martin	Cust #24647; Order 13031807	\$ 1,350.00	GEN		0
С	8210017M	72903	: CC0004	72903	: WO18006	8 1/2 Mile Relief	Freight Charges	\$ 59.55	GEN		0
D	8210072M	72903	:		8	: Martin	Freight Charges	\$ 59.55	GEN		0
E			:								_
F			:								<u> </u>
G					8						

REV 09/2018

2,819.10

. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:	

25. Finance Officer:	BM/kk	30. Drain:	8 1/2 Mile Relief; Martin
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	9/27/2022
28. Managers:		33. Board Date:	10/17/2022
29. Coordinator:		34. Select For Pay Date:	

Invoice

Delivery Address

23001 9 Mile Road St Clair Shores, MI 48080

UNITED STATES

ORIGINAL



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

Macomb County Public Works

Order No.

Customer No. Invoice No.

Invoice Date Page

13031807

24647

CD10004730 9/8/22

1/2

Your Reference

24647

Purchase Order Number Verbal Kris 081522 Terms of Payment

30 Days Net

Real Ship Date

Sep 7, 2022

Delivery Terms Ship Via

FCA Incoterms 2020

Road transport

Our Reference

Heather Rich

Our Salesperson

Kevin Forsman

9/7/22 UPS TRACKING 1ZA154F50351628443

1ZA154F50351175450

9300 1

50/50 split Chap & Martin

M/F: ATTN: KRIS BENDA

Pos	Part No	Sales Qty	Unit Price	Tax %	Net AmountUSD
	Description	5 554445			
1	A-85.419.200	4 pcs	255.00		1,020.00
	Reagent set Oxycon C	n-line KI, 8 sets.			
	Customs Stat No	3822.9000			
	Country of Origin	CH			
	Lot Batch No	222511			
	Net weight	2.40 kg			
	Delivery Note(s)	26446			
2	A-85.410.120	4 pcs	420.00		1,680.00
	Reagent set Oxycon O	n-line DPD, 8 sets			
	Customs Stat No	3822.9000			
	Country of Origin	CH			
	Lot Batch No	222452			
	Net weight	10.00 kg			
	Delivery Note(s)	26446			
			Sub Total	USD	2,700.00

SWAN Analytical USA Inc. 225 Larkin Drive Unit 4 US-Wheeling, IL 60090

Phone 847 229 1290 Fax 847 229 1320 info@swan-analytical-usa.com www.swan-analytical-usa.com

Invoice

ORIGINAL



Order No.

Customer No. Invoice No.

Invoice Date Page

2/2

13031807

24647

CD10004730 9/8/22

Freight Charges		119.10
Net Total	USD	2,819.10
Total Tax		0.00
Gross Total	USD	2,819.10

Tax Totals					
Tax Code	Description	%	Tax Base Amount	Tax Amount	Gross Amount
C-CITY	City Tax	0	2,819.10	0.00	2,819.10
C-COUNTY	County Tax	0	2,819.10	0.00	2,819.10
C-DISTRICT	District Tax	0	2,819.10	0.00	2,819.10
C-STATE	State Tax	0	2,819.10	0.00	2,819.10



24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	10/3/22
4. SET ID	5. POST	DATE
VP221004KA	9/30/2	1

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	51953714	9/21/2022	\$ 1,400.00		

				he fine in		CHILD RECORD DETAIL I	NFORMATION		1	3115	3'85
	General	Ledger	Job L	edger	16.	OPTIONAL				O	¥ S
Line	12. Org Key	13. Object	Cost Center (CCNT)	15. Object	Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep C
А	8210017M	80138	: CC0034	80138	: WO21018	8 1/2 Mile Relief	Pjt #200-16347-21002 thru 8/26/22	\$ 1,400.00	GEN		
В			:		:						
С					:						
D			:								
Е			:		:	:					
F			1								
G			:								

	ь.	V	n	2	m	n	a
м	=	v	ы	120	ız	u	-1

23. Total: \$

1,400.00

s. Finance Officer:	BM/kk	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	\$248,711.87
27. Engineers:		32. Staff Date:	10/11/2022
28. Managers:		33. Board Date:	10/17/2022
29. Coordinator:		34. Select For Pay Date:	

MACOME	S COUNTY PUB	LIC WORKS OFFICE	
ENGIN	EERING INVOICE	CE COVER SHEET	
WORK ORDER NUMBER			
PROJECT NUMBER	WWS-2021-004	1 (Tetra Tech Proj# 200-163	47-21002)
PROJECT NAME	9 MILE PUMP S	TATION DESIGN	
DRAINAGE DISTRICT	8 1/2 Mile Drai	nage District	
	COST SOL CONTRACTOR SOLUTIONS		
CONSULTANT NAME	Tetra Tech of N	1ichigan	
INVOICE DATE	9/21/2022	(INVOICE 51953714)	
INVOICE START DATE	7/30/2022		
INVOICE END DATE	8/26/2022		
ORIGINAL CON	TRACT AMOUNT	\$	1,476,428.00
CHANGE O	RDER TOTAL	\$	-
Change Order No. 1			
Change Order No. 2			
Change Order No. 3			
Change Order No. 4			
TOTAL REVISED CO	ONTRACT AMOUNT	\$	1,476,428.00
	d change orders only)		
TOTAL AMOUNT PR	EVIOUSLY INVOICED	\$	1,226,316.13
TOTAL AMOUNT	DUE THIS INVOICE	\$	1,400.00
TOTAL BUDGE	T REMAINING	\$	248,711.87

(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: ATTN:

MACOMB COUNTY

FINANCE DEPARTMENT
OFFICE OF PUBLIC WORKS
COMMISSIONER
21777 DUNHAM RD
PO BOX 806
CLINTON TOWNSHIP. MI 48036

Proj WWS-2021-004

Client Contact: Vincent Astorino **PROFESSIONAL SERVICES:**

INVOICE NUMBER: 51953714 INVOICE DATE: 09/21/2022 SERVICES THROUGH: 08/26/2022 FEDERAL TAX ID#: 95-4148514 TERMS: NET 30

Project Number Top Task	200-16347-21002 004	Design, Bidding, and Design 30%	Construction Services for Proposed I	Nine Mile Pump	Station
EMPLOYEE		TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Rubel, Brian M.		Program Manager	2.00	\$250.00	\$500.00
TOTAL LABOR			2.00	_	\$500.00
			SUBTO	TAL	\$500.00
			Total Top Task# 004		\$500.00
Top Task	006	Final Design			
EMPLOYEE		TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Paison, William A.		Sr Engineer 1	4.00	\$225.00	\$900.00
TOTAL LABOR			4.00	_	\$900.00
			SUBTO	Γ AL	\$900.00
			Total Top Task# 006		\$900.00
			Total Project# 200-	16347-21002	\$1,400.00
			TOTAL AMOUNT DUE THIS INVOI	CE:	\$1,400.00

BILL TO: MACOMB COUNTY FINANCE DEPARTMENT ATTN:

OFFICE OF PUBLIC WORKS COMMISSIONER

21777 DUNHAM RD

PO BOX 806 CLINTON TOWNSHIP, MI 48036

INVOICE NUMBER: 51953714 INVOICE DATE: 09/21/2022 SERVICES THROUGH: 08/26/2022 FEDERAL TAX ID#: 95-4148514 TERMS: NET 30

Gross Contract Sur	mmary
Contract Amount	\$1,476,428.00
Previously Billed	\$1,226,316.13
Current Billing	\$1,400.00
Total Billed to Date	\$1,227,716.13
Contract Balance Remaining	\$248,711.87

REMIT PAYMENT TO:

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

To ensure accurate posting, please note the invoice number on your check. Interest will be charged on all past-due amounts per contract terms and conditions.



24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

In-System Storage Devices

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	10/3/22

4. SET ID	5. POST DATE	
VP221004KA	7/30/20	

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	51953711	9/21/2022	\$	33,741.96		

				No.		CHILD RECORD DETAIL I	NFORMATION				10.5
M	Genera	l Ledger		edger	16.	OPTIONAL		CONTRACTOR OF THE		()	¥
Line	12. Org Key	13. Object	Cost Center (CCNT)	15. Object	Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep C
A	8210017C	80138	: CC0033	80138	: WO21021	: 8 1/2 Mile Relief :	Pjt #200-16347-19001 thru 8/26/22	\$ 33,741.96	GEN		
В			ia *		:						
С			1		:	:					
D			:		:						
E			.		:	:					
F			:			:					
G			:								

REV 09/2018

23. Total: \$

33,741.96

25. Finance Officer:	BM/kk	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	\$898,538.10
27. Engineers:		32. Staff Date:	10/11/2022
28. Managers:		33. Board Date:	10/17/2022

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** 9/21/2022 (INVOICE 51953711) **INVOICE START DATE** 7/30/2022 INVOICE END DATE 8/26/2022 ORIGINAL CONTRACT AMOUNT \$ 481,098.00

CHANGE ORDER TOTAL	\$ 1,974,409.00
Change Order No. 1	\$ 949,435.00
Change Order No. 2	\$ 1,024,974.00
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 2,455,507.00
(includes all approved change orders only)	

(includes all approved change orders only)

TOTAL AMOUNT PREVIOUSLY INVOICED	\$	1,523,226.94
----------------------------------	----	--------------

TOTAL AMOUNT DUE THIS INVOICE	\$ 33,741.96

TOTAL BUDGET REMAINING \$ 898,538.10

(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)

INVOICE NUMBER: 51953711

SERVICES THROUGH: 08/26/2022 FEDERAL TAX ID#: 95-4148514

INVOICE DATE: 09/21/2022

TERMS: NET 30



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

BILL TO: ATTN:

Top Task

03.6

MACOMB COUNTY FINANCE DEPARTMENT OFFICE OF PUBLIC WORKS COMMISSIONER

21777 DUNHAM RD PO BOX 806 CLINTON TOWNSHIP. MI 48036

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

Client Contact: Vince Astorino **PROFESSIONAL SERVICES:**

Project Number	200-16347-19001	In-System Storage Devices		•	•	
Top Task	03	Construction Administration	CURRENT		OUDDENT	
EMPLOYEE		TITLE	LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT	
Ard, Timothy W.		Construction Manager 1	15.50	\$190.00	\$2,945.00	
Boehmke, Brett		Project Engineer 1	10.75	\$120.00	\$1,290.00	
Galante, David Architect 2		Architect 2	1.00	\$190.00	\$190.00	
Kaliman, Roger G.		Sr Engineer 1	6.50	\$210.00	\$1,365.00	
Paison, William A.		Sr Engineer 1	3.00	\$240.00	\$720.00	
Rubel, Brian M.		Program Manager	8.00	\$250.00	\$2,000.00	
Sissoko, Moussa I	О.	Project Engineer 2	11.50	\$230.00	\$2,645.00	
Tervo, Jeffrey A.		CAD Technician 2	21.00	\$140.00	\$2,940.00	
Weiss, David J.		Sr Constr Project Rep 1	110.00	\$120.00	\$13,200.00	
Weston, Cynthia A. Pr TOTAL LABOR		Project Administrator	6.00	\$105.00	\$630.00	
			193.25	_	\$27,925.00	
			SUBTOTA	L	\$27,925.00	
OTHER DIRECT O	CHARGES	TYPE	CURRENT QUANTITY	UNIT RATE	CURRENT	
Field Truck Usage		Vehicles (mile)	562.00	\$0.65	\$365.30	
Tervo, Jeffrey Allei	า	Mileage (unit)	317.76	\$0.62	\$198.60	
TOTAL OTHER DI	RECT CHARGES			, , , , ,	\$563,90	
			SUBTOTA	L –	\$563,90	
		•	Total Top Task# 03		\$28,488.90	
Top Task	03.5	Construction Administration - FKE			1	
SUBCONTRACTO	R .	ТҮРЕ			CURRENT AMOUNT	
FK ENGINEERING ASSOCIATES		Subcontractor-Ext	ernal		\$765,88	
TOTAL SUBCONT	RACTOR CHARGE	S			\$765,88	
			SUBTOTA	_ L	\$765.88	
			Total Top Task# 03.5		\$765.88	

Construction Administration - Fishbeck

BILL TO: ATTN:

MACOMB COUNTY

FINANCE DEPARTMENT OFFICE OF PUBLIC WORKS COMMISSIONER 21777 DUNHAM RD PO BOX 806 CLINTON TOWNSHIP, MI 48036

INVOICE NUMBER: 51953711 INVOICE DATE: 09/21/2022 SERVICES THROUGH: 08/26/2022 FEDERAL TAX ID#: 95-4148514 TERMS: NET 30

SUBCONTRA	CTOR		TYPE	CURRENT AMOUNT
FISHBECK TH	IOMPSON CARR	& HUBER INC	Subcontractor-External	\$2,610.30
TOTAL SUBC	ONTRACTOR CH	ARGES		\$2,610.30
			SUBTOTAL	\$2,610.30
			Total Top Task# 03.6	\$2,610.30
Top Task	04.5	Quality Cont	rol - FKE	
SUBCONTRA	CTOR		TYPE	CURRENT AMOUNT
FK ENGINEER	RING ASSOCIATE	S	Subcontractor-External	\$1,876.88
TOTAL SUBC	ONTRACTOR CH	ARGES		\$1,876.88
			SUBTOTAL	\$1,876.88
			Total Top Task# 04.5	\$1,876.88
			Total Project# 200-16347-19001	\$33,741.96
			TOTAL AMOUNT DUE THIS INVOICE:	\$33,741.96

Gross Contract Summary						
Contract Amount \$2,455,507.00						
Previously Billed	\$1,523,226.94					
Current Billing	\$33,741.96					
Total Billed to Date	\$1,556,968.90					
Contract Balance Remaining \$898,538.1						

REMIT PAYMENT TO:

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

To ensure accurate posting, please note the invoice number on your check. Interest will be charged on all past-due amounts per contract terms and conditions.



Payment Options

Remit Wire/ACH payments to Acct: 100094457

ABA: 072413829

Remit checks to: 1515 Arboretum Drive, SE, Grand Rapids, Michigan 49546

Remittance Advice: accounts.receivable@fishbeck.com

616.575.3824

Federal I.D. No. 38-1841857 | Incorporated

P.O. 116652216

Invoice: 414029 Invoice Date: 8/10/2022

Project: 200732
Project Name: Macomb Co PW/In-system Storage

Design Phase

Bill Term: 1

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

For Professional Services Rendered Through 8/5/2022

					Billings	Billings	
		Fee	Available	To Date	Previous	Current	
1 - Task 1C - 8.5 Mile Uti	lity Survey	96,524.00	44.70	96,479.30	96,479.30	0.00	
2 - Construction Contract	: Assistance	34,300.00	28,769.50	7,903.50	5,530.50	2,373.00	
Rate Labor	2,373.00						
3 - Construction Staking		32,310.00	31,648.00	662.00	662.00	0.00	
			C	urrent Billings		2,373.00	

103976 200-16347-19001.03.6 SUB-EXT 200 JELJ AA

> Ok to pay when paid BRubl 8/15/20



Amount Due This Bill



2,373.00

Project: 200732 - Macomb Co PW/In-system Storage Design Phase		Invoi	ce: 414029
2 - Construction Contract Assistance Rate Labor		,	
Class	Hours	Rate	Amount
Senior Engineer	9.00	185.0000	1,665.00
Senior Technician	6.00	118.0000	708.00
Tata	al Rate Labor		2,373.00
Total Bill Task: 2 - Construction Contract Assistance			2,373.00

Total Project: 200732 - Macomb Co PW/In-system Storage Design Phase

2,373.00



FK Engineering Associates 30425 Stephenson Hwy Madison Heights, MI 48071 (248) 817-2946

Tetra Tech Brian Rubel 710 Avis Drive - Suite 100 Ann Arbor, MI 48108

Description

INVOICE

Invoice Date:

8/10/22

Total Amount:

\$2,402.50

Number:

19-102-023

PO Number:

Prior Billing (\$)

07/10/22 - 08/06/22

This Invoice (\$)

Project Code:

Invoice Period:

19-102

Project: Macomb In-Line Storage

INVOICE SUMMARY

Description	Amount
CCA:Task 04 Quality Control	\$1,036.25
CCA:Task 05 Construction Administration	\$696.25
CCA:Task 04 Quality Control Expenses	\$670.00

Total Budget

Remaining

			Budget (\$)		
Task 01 - Study Phase		\$23,000.00	\$3,964.05	\$19,035.95	
Task 02 - Design Phase		\$68,000.00	-\$2,618.67	\$70,618.67	
			-		
CCA					,
Task 04 Quality Control		\$113,000.00	\$105,123.15	\$6,170.60	(5) \$1,706.25.04.5
Task 05 Construction Administration		\$17,000.00	\$15,257.50	\$1,046.25	(4) \$696.25.03.5
	CCA	\$130,000.00	\$120,380.65	\$7,216.85	\$2,402.50
BUDGET TOTALS		\$221,000.00	\$121,726.03	\$96,871.47	\$2,402.50
TOTAL AMOUNT DUE					\$2,402.50

Remit payment to: 30425 Stephenson Hwy, Madison Heights, MI 48071 Terms: Due upon receipt or per contract



184671 |
Ok to pay when pard
200-16347-19001
SUB-EXT
200 PEW AA





Tetra Tech

Brian Rubel

710 Avis Drive - Suite 100

Ann Arbor, MI 48108

FK Engineering Associates 30425 Stephenson Hwy Madison Heights, MI 48071 (248) 817-2946

Invoice Date:

8/10/22

INVOICE

Total Amount:

\$2,402.50

Number:

19-102-023

Invoice Period:

07/10/22 - 08/06/22

PO Number: Project Code:

19-102

Project: Macomb In-Line Storage

INVOICE DETAILS

Source		Code	Description	Hrs / Qnt	Rate	Amount
Professional Fees						
Zachary Carr, P.E.	7/13/22	02-Principal Engineer/Officer		0.50	\$145.00	\$72.50
Zachary Carr, P.E.	7/19/22	02-Principal Engineer/Officer		0.50	\$145.00	\$72.50
Alexia Sarnowsky	7/25/22	07-Staff Engineer/Geologist	Break cylinders	0.50	\$85.00	\$42.50
Alexia Sarnowsky	7/26/22	07-Staff Engineer/Geologist	Send out concrete break result reports	0.50	\$85.00	\$42.50
Lindsey Gawthrop	7/26/22	12-Engineering Tech 3	Concrete break and processing	0.50	\$65.00	\$32.50
Zachary Carr, P.E.	7/27/22	02-Principal Engineer/Officer	Progress Meeting	1.00	\$145.00	\$145.00
Zachary Carr, P.E.	7/28/22	02-Principal Engineer/Officer		0.25	\$145.00	\$36.25
Danielle Welsh	8/1/22	10-Administrative Assistant	Enter truck usage	0.25	\$55.00	\$13.75
Zachary Carr, P.E.	8/2/22	02-Principal Engineer/Officer	meeting TERS adjustment	2.00	\$145.00	\$290.00
Alexia Sarnowsky	8/3/22	07-Staff Engineer/Geologist	Break cylinders and process data	0.50	\$85.00	\$42.50
Alexia Sarnowsky	8/4/22	07-Staff Engineer/Geologist	Break cylinder, process break data and send out email with results.	0.75	\$85.00	\$63.75
Lindsey Gawthrop	8/4/22	12-Engineering Tech 3	Went to do density testing but no testing was completed	1.50	\$65.00	\$97.50
Alexia Sarnowsky	8/5/22	07-Staff Engineer/Geologist	Break cylinders, process data and email out results.	1.00	\$85.00	\$85.00
			CCA:Task 04 Quality Control	9.75		\$1,036.25
Danielle Welsh	7/11/22	10-Administrative Assistant	draft invoice	0.25	\$55.00	\$13.75
Courtney Muchez	7/12/22	06-Senior Staff Engineer/Geologist/CADD Operator	broke out cylinders and put them in curing tank	1.00	\$95.00	\$95.00
Danielle Welsh	7/14/22	10-Administrative Assistant	Finalize and send invoice	0.25	\$55.00	\$13.75
Danielle Welsh	7/19/22	10-Administrative Assistant	Process payment .	0.25	\$55.00	\$13.75
Nicholas Kacynski, P.E.	7/26/22	04-Project Engineer/Geologist		1.00	\$112.00 .	\$112.00
Nicholas Kacynski, P.E.	7/27/22	04-Project Engineer/Geologist		1.00	\$112.00	\$112.00



FK Engineering Associates 30425 Stephenson Hwy Madison Heights, MI 48071 (248) 817-2946

Invoice Date:

INVOICE 8/10/22

Total Amount:

\$2,402.50

Number:

19-102-023

Tetra Tech Brian Rubel 710 Avis Drive - Suite 100

Ann Arbor, MI 48108

Invoice Period:

07/10/22 - 08/06/22

PO Number:

19-102

Project Code:

interpretation of the company of the control of the

Project: Macomb In-Line Storage

INVOICE DETAILS

Source	Date	Code	Description .	Hrs / Qnt	Rate	Amour
Nicholas Kacynski, P.E.	8/4/22	04-Project Engineer/Geologist		3.00	\$112.00	\$336.0
			CCA:Task 05 Construction Administration	6.75		\$696.2
			Professional Fees	16.50		\$1,732.5
eimbursable Exp	enses					
Lindsey Gawthrop	7/15/22	LT 140-Concrete Compressive Strength Testing		2.00	\$35.00	\$70.00
Alexia Sarnowsky	7/25/22	LT 140-Concrete Compressive Strength Testing	28 day breaks for set made on 6-27-22	2.00	\$35.00	\$70.0
Lindsey Gawthrop	7/26/22	LT 140-Concrete Compressive Strength Testing		2.00	\$35.00	\$70.0
Admin -	8/1/22	PR-Truck Usage Daily	Truck usage up to 50 miles per day #3 Ram 1500 7/6 - 7/8	3.00	\$95.00	\$285.00
Alexia Sarnowsky	8/3/22	LT 140-Concrete Compressive Strength Testing	28 day breaks for set made on 7-6-22	2.00	\$35.00	\$70.00
Alexia Sarnowsky	8/4/22	LT 140-Concrete Compressive Strength Testing	56 day break for set made on 6-9-22	1.00	\$35.00	\$35.00
Alexia Sarnowsky	8/5/22	LT 140-Concrete Compressive Strength Testing	28 day breaks for set made on 7-8-22	2.00	\$35.00	\$70.00
			CCA:Task 04 Quality Control	14.00		\$670.00
			Reimbursable Expenses	14.00		\$670.00
			TOTAL FEES/EXPENSES			\$2,402.50

Expense Report

Report Name Mileage 8/17-8/19

Expense Owner Jeff Tervo

Expense Owner JEFF.TERVO / 577698

Created By Jeff Tervo Submit Date Aug 19, 2022

To Be Paid in USD



Report ID: 0100-3203-4738

Financial Summary

	Total (USD)
Total Expenses Reported	198.60
Less Company Paid	0.00
Amount Due Expense Owner	198.60

Expense Summary

Expense Type	Total (USD)
Mileage	198.60
Total	198.60

Allocation Summary

Allocations Charged			Total (USD)
200-16347-19001 / 03.0	MACOMB COUNTY / 10-JAN-22 / 31-DEC-23	MACOMB IN-SYS STORAGE DEVICES / CONST ADMIN	198.60
Total			198.60

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Expense Report

Mileage 8/17-8/19

		<u> </u>		,,
Item Date	GL Code	Туре	Disb Amtt	Pay Me Amt
1 08/17/2022	Mileage (unit)	Mileage	66.20 USD	66.20 USD
Justification	Traveled to site and back	_		
Description	From:: 710 Avis Drive, Ann Arbor, M To:: 21913 Beaconsfield Avenue, E To:: 710 Avis Drive, Ann Arbor, MI,	astpointe, MI, USA		
	Firm Paid: No			
Allocations	200-16347-190 MACOMB COUNTY 01 / 03.0	MACOMB IN-S STORAG	SYS	66.20 USD
Trip Info	710 Avis Drive, Ann Arbor, MI, USA			
	21913 Beaconsfield Avenue, Eastpo	ninte MI IISA		53.05
	710 Avis Drive, Ann Arbor, MI, USA	mice, Mi, OJA		105.92
	, , ,	107.00		105.92
	calculatedDistance	105.92		
	currentDeductionAmount	0.00		
	currentDeductionType	deductionDefault		
t	Miles	105.92		
	Rate	62.500		
C PI -	units	Miles		
Car Plan	Car Plan Name	US_GSA		
	Car Plan Tier	US_GSA		
2 08/18/2022	Mileage (unit)	Mileage	66.20 USD	66.20 USD
Justification	Traveled to site and back	3 .		
Description	From:: 710 Avis Drive, Ann Arbor, M To:: 21913 Beaconsfield Avenue, Ea To:: 710 Avis Drive, Ann Arbor, MI, M	astpointe, MI, USA		!
	Firm Paid: No			
Allocations	200-16347-190 MACOMB COUNTY 01 / 03.0	/ MACOMB IN-S STORAG	SYS	, 66.20 USD
Trìp Info	710 Avis Drive, Ann Arbor, MI, USA			1
	21913 Beaconsfield Avenue, Eastpo	into MI LISA		53.05
	710 Avis Drive, Ann Arbor, MI, USA	inte, Mi, OSA		105.92
	calculatedDistance	105.92		i
	currentDeductionAmount .	0.00		į
	currentDeductionType	deductionDefault		i
	Miles	105.92		
	Rate	62.500		•
	units	Miles		

Expense Report

Mileage 8/17-8/19

Item Date	GL Code	Туре	Disb Amtt	Pay Me Amt
Car Plan	Car Plan Name	US_GSA		
	Car Plan Tier	US_GSA		
3 08/19/2022 Justification Description	Mileage (unit) Traveled to site and back From:: 710 Avis Drive, Ann Arbor, To:: 21913 Beaconsfield Avenue, E To:: 710 Avis Drive, Ann Arbor, MI, Firm Paid: No	Eastpointe, MI, USA	66.20 USD	66.20 USD
Allocations	200-16347-190 MACOMB COUNT 01 / 03.0	Y / MACOMB IN- STORAG	SYS	66.20 USD
Trip Info	710 Avis Drive, Ann Arbor, MI, USA 21913 Beaconsfield Avenue, Eastp 710 Avis Drive, Ann Arbor, MI, USA	ointe, Mi, USA		53.05 105.92
	calculatedDistance currentDeductionAmount currentDeductionType Miles Rate units	105.92 0.00 deductionDefault 105.92 62.500 Miles		1
Car Plan	Car Plan Name Car Plan Tier	US_GSA US_GSA		,



24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

In-System Storage Devices

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	10/6/22
4. SET ID	5. POST	DATE

VP 221006 KA 9130/on

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	51964758	9/21/2022	\$	71,797.25		

Genera	General Ledger Job Ledger		16.	OPTIONAL				THE SALES	-	
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
8210017C	80138	: CC0033	80138	: WO21021	8 1/2 Mile Relief :	Pjt #200-16347-19001 thru 9/30/22	\$ 71,797.25	GEN		
		:		:						
		:		1	:					
		:		1	:					
		:			:					

REV 09/2018

23. Total: \$

71,797.25

25. Finance Officer:	BM/kk	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	\$826,740.85
27. Engineers:		32. Staff Date:	10/11/2022
28. Managers:		33. Board Date:	10/17/2022

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 10/5/2022 (INVOICE 51964758)

INVOICE START DATE 8/27/2022

INVOICE END DATE 9/30/2022

TOTAL AMOUNT DUE THIS INVOICE

TOTAL BUDGET REMAINING

ORIGINAL CONTRACT AMOUNT	\$ 481,098.00
CHANGE ORDER TOTAL	\$ 1,974,409.00
Change Order No. 1	\$ 949,435.00
Change Order No. 2	\$ 1,024,974.00
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 2,455,507.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 1,556,968.90

(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)

\$

\$

71,797.25

826,740.85

INVOICE NUMBER: 51964758

SERVICES THROUGH: 09/30/2022 FEDERAL TAX ID#: 95-4148514 TERMS: NET 30

INVOICE DATE: 10/05/2022



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

BILL TO: ATTN:

MACOMB COUNTY FINANCE DEPARTMENT
OFFICE OF PUBLIC WORKS
COMMISSIONER
21777 DUNHAM RD
PO BOX 806

CLINTON TOWNSHIP. MI 48036

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

Client Contact: Vince Astorino

Project Number	200-16347-19001	In-System Storage Devices			
Top Task	03	Construction Administration			
THE OVER		TITLE	CURRENT LABOR	LABOR	CURRENT
EMPLOYEE		TITLE Construction Managers	HOURS	RATE	AMOUNT
Ard, Timothy W.		Construction Manager 1	43.00	\$190.00	\$8,170.00
Boehmke, Brett		Project Engineer 1	12.00	\$120.00	\$1,440.00
Kaliman, Roger G.		Sr Engineer 1	17.50	\$210.00	\$3,675.00
Nolta, Michael C.		Project Administrator	0.50	\$110.00	\$55.00
Paison, William A.		Sr Engineer 1	1.00	\$240.00	\$240.00
Rubel, Brian M.		Program Manager	10.00	\$250.00	\$2,500.00
Sissoko, Moussa [).	Project Engineer 2	7.50	\$230.00	\$1,725.00
Tervo, Jeffrey A.		CAD Technician 2	18.50	\$140.00	\$2,590.00
Weiss, David J.		Sr Constr Project Rep 1	207.50	\$120.00	\$24,900.00
Weston, Cynthia A	•	Project Administrator	6.50	\$105.00_	\$682,50
TOTAL LABOR			324.00	_	\$45,977.50
			SUBTOTAL	•	\$45,977.50
OTHER DIRECT (CHARGES	TYPE	CURRENT QUANTITY	UNIT RATE	CURRENT AMOUNT
Field Truck Usage		Vehicles (mile)	1,052,00	\$0.65	\$683.80
Tervo, Jeffrey Allei	n	Mileage (unit)	105.92	\$0.62	\$66,20
TOTAL OTHER DI	RECT CHARGES			_	\$750.00
			SUBTOTAL		\$750.00
			Total Top Task# 03		\$46,727.50
Top Task	03.5	Construction Administration - FKE			!
SUBCONTRACTO	10	TYPE			CURRENT
FK ENGINEERING		Subcontractor-Ext	ernal		\$785.40
	RACTOR CHARGE		omai	-	\$785.40 \$785.40
			SUBTOTAL		\$785.40
			00010171	•	φ103.40
			Total Top Task# 03.5		\$785.40

Top Task

04.5

Quality Control - FKE

BILL TO: ATTN:

MACOMB COUNTY FINANCE DEPARTMENT

OFFICE OF PUBLIC WORKS COMMISSIONER 21777 DUNHAM RD PO BOX 806 CLINTON TOWNSHIP, MI 48036

INVOICE NUMBER: 51964758

INVOICE DATE: 10/05/2022 SERVICES THROUGH: 09/30/2022 FEDERAL TAX ID#: 95-4148514 TERMS: NET 30

SUBCONTRACTOR	ТҮРЕ	CURRENT AMOUNT
FK ENGINEERING ASSOCIATES	Subcontractor-External	\$24,284.35
TOTAL SUBCONTRACTOR CHARGES		\$24,284.35
	SUBTOTAL	\$24,284.35
	Total Top Task# 04.5	\$24,284.35
	Total Project# 200-16347-19001	\$71,797.25
	TOTAL AMOUNT DUE THIS INVOICE:	\$71,797.25

Gross Contract Summa	iry
Contract Amount	\$2,455,507.00
Previously Billed	\$1,556,968.90
Current Billing	\$71,797.25
Total Billed to Date	\$1,628,766.15
Contract Balance Remaining	\$826,740.85

REMIT PAYMENT TO:

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

To ensure accurate posting, please note the invoice number on your check, interest will be charged on all past-due amounts per contract terms and conditions.



Tetra Tech Brian Rubel 710 Avis Drive - Suite 100 Ann Arbor, MI 48108 INVOICE

Invoice Date:

9/13/22

Total Amount:

\$22,790.68 19-102-024

Number: Invoice Period:

08/07/22 - 09/10/22

PO Number:

1166826)

Project Code:

Project: Macomb In-Line Storage

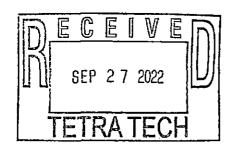
INVOICE SUMMARY

power than and the strength of the strength of

Description	Amount
CCA:Task 04 Quality Control	\$14,252.50
CCA:Task 05 Construction Administration	\$714.00
CCA:Task 04 Quality Control Expenses	\$7,824.18

Description		Total Budget	Remaining Budget (\$)	Prior Billing (\$)	This Invoice (\$)
Task 01 - Study Phase		\$23,000.00	\$3,964.05	\$19,035.95	**
Task 02 - Design Phase		\$68,000.00	-\$2 ,61 8.67	\$70,618.67	***
		-	·	-	
CCA					
Task 04 Quality Control		\$113,000.00	\$83,046.47	\$7,876.85	. 04.5 \$22,076.68 (5)
Task 05 Construction Administration		\$17,000.00	\$14,543.50	\$1,742.50	.03.5 \$714.00 (4
	CCA	\$130,000.00	\$97,589.97	\$9,619.35	\$22,790.68
BUDGET TOTALS		\$221,000.00	\$98,935.35	\$99,273.97	\$22,790.68
TOTAL AMOUNT DUE		· · · · ·			\$22,790.68

Remit payment to: 30425 Stephenson Hwy, Madison Heights, MI 48071 Terms: Due upon receipt or per contract



184671 200-16347-19001 SUB- EXT 200 |EUS AA Ok to pay
when pard
B. Rubil
9/26/22





Tetra Tech

Brian Rubel

710 Avis Drive - Suite 100

Ann Arbor, MI 48108

FK Engineering Associates 30425 Stephenson Hwy Madison Heights, MI 48071 (248) 817-2946

INVOICE

Invoice Date: 9/13/22 Total Amount: \$22,790.68

> Number: 19-102-024

Invoice Period:

08/07/22 - 09/10/22

PO Number: Project Code:

19-102

Project: Macomb In-Line Storage

September 19 and the control of the **INVOICE DETAILS**

Source	Date	Code	Description	Hrs / Qnt	Rate	Amount
Professional Fees			·			
Danielle Welsh	8/10/22	10-Administrative Assistant	Draft invoice	0.25	\$55.00	\$13.75
Margaret O'Reilly	8/15/22	10-Administrative Assistant	statement	0.25	\$55.00	\$13.75
Peter Wenderski, P.E.	8/15/22	05-Assistant Project Engineer/Geologist	Instrumentation Plan	0.50	\$150.00	\$75.00
Danielle Welsh	8/15/22	10-Administrative Assistant	Process payment	0.25	\$55.00	\$13.75
Zachary Carr, P.E.	8/16/22	02-Principal Engineer/Officer		0.50	\$145.00	\$72.50
Peter Wenderski, P.E.	8/16/22	05-Assistant Project Engineer/Geologist	Missdigs	0.25	\$150.00	\$37.50
Peter Wenderski, P.E.	8/17/22	OS-Assistant Project Engineer/Geologist	site instrumentation meeting	2.00	\$150.00	\$300.00
Danielle Welsh	8/17/22	10-Administrative Assistant	finalize and send invoice	0.25	\$55.00	\$13.75
Peter Wenderski, P.E.	8/18/22	05-Assistant Project Engineer/Geologist	instrumentation	3.00	\$150.00	\$450.00
Lindsey Gawthrop	8/18/22	12-Engineering Tech 3	Density testing on site	6.50	\$65.00	\$422.50
Peter Wenderski, P.E.	8/22/22	05-Assistant Project Engineer/Geologist	Instrumentation prep	0.50	\$150.00	\$75 .0 0
Peter Wenderski, P.E.	8/23/22	05-Assistant Project Engineer/Geologist	Instrumentation	7.00	\$150.00	\$1,050.00
Peter Wenderski, P.E.	8/24/22	05-Assistant Project Engineer/Geologist	Instrumentation installation	10.00	\$150.00	\$1,500.00
Alexia Sarnowsky	8/24/22	07-Staff Engineer/Geologist	Observe installation of inclinometer, install 4 GMP and observe installation of a telltale.	4.50	\$85.00	\$382.50
Peter Wenderskî, P.E.	8/25/22	05-Assistant Project Engineer/Geologist	Instrumentation logs	0.50	\$150.00	\$75.00
Peter Wenderski, P.E.	8/26/22	05-Assistant Project Engineer/Geologist	Instrumentation	9.00	\$150.00	\$1,350.00
Peter Wenderski, P.E.	8/29/22	05-Assistant Project Engineer/Geologist	Instrumentation	8.50	\$150.00	\$1,275.00



INVOICE

Invoice Date: 9/13/22

Total Amount: \$22,790.68 19-102-024

Number:

08/07/22 - 09/10/22

Invoice Period: PO Number:

Project Code:

19-102

Project: Macomb In-Line Storage

Tetra Tech Brian Rubel 710 Avis Drive - Suite 100 Ann Arbor, MI 48108

INVOICE DETAILS

			INVOICE DETAILS			
Source	Date	Code	Description	Hrs / Qnt	Rate	Amount
Danielle Welsh	8/29/22	10-Administrative Assistant	Process Vendor Expenses	0.50	\$55.00	\$27.50
Alexia Sarnowsky	8/29/22	07-Staff Engineer/Geologist	Observe tell tale installation, survey points and retrieve equipment for inclinometers.	5.75	\$85.00	\$488.75
Zachary Carr, P.E.	8/29/22	O2-Principal Engineer/Officer		0.50	\$145.00	\$72.50
Peter Wenderski, P.E.	8/30/22	05-Assistant Project Engineer/Geologist	Instrumentation	4.75	\$150.00	\$712.50
Peter Wenderski, P.E.	8/31/22	05-Assistant Project Engineer/Geologist	Instrumentation	4.00	\$150.00	\$600.00
Peter Wenderski, P.E.	9/1/22	05-Assistant Project Engineer/Geologist	Instrumentation	4.00	\$150.00	\$600.00
Peter Wenderski, P.E.	9/2/22	05-Assistant Project Engineer/Geologist	Instrumentation	2.25	\$150.00	\$337.50
Danielle Welsh	9/2/22	10-Administrative Assistant	Enter truck usage	0.25	\$55.00	\$13.75
Zachary Carr, P.E.	9/6/22	02-Principal Engineer/Officer		0.50	\$145.00	\$72.50
Peter Wenderski, P.E.	9/6/22	05-Assistant Project Engineer/Geologist	Instrumentation base line report	3.50	\$150.00	\$525.00
Alexia Sarnowsky	9/6/22	07-Staff Engineer/Geologist	Check over soil classification from samples. Look over testing specs and project plans.	1.00	\$85.00	\$85.00
Alexia Sarnowsky	9/7/22	07-Staff Engineer/Geologist	Survey the job site, read inclinometers, discuss concrete pours and prepare equipment.	5.00	\$85.00	\$425.00
Peter Wenderski, P.E.	9/7/22	05-Assistant Project Engineer/Geologist	Instrumentation monitoring	6.00	\$150.00	\$900.00
Zachary Carr, P.E.	9/7/22	02-Principal Engineer/Officer		0.25	\$145.00	\$36.25
Alexia Sarnowsky	9/8/22	07-Staff Engineer/Geologist	Survey Job site, go retrieve inclinometer and do readings. Grout testing.	10.00	\$85.00	\$850.00
Peter Wenderski, P.E.	9/8/22	05-Assistant Project Engineer/Geologist	Instrumentation	5.50	\$150.00	\$825.00
Zachary Carr, P.E.	9/8/22	02-Principal Engineer/Officer		0.25	\$145.00	\$36.25
Zachary Carr, P.E.	9/9/22	02-Principal Engineer/Officer		0.25	\$145.00	\$36.25
Alexia Sarnowsky	9/9/22	07-Staff Engineer/Geologist	Log cylinders into tank, concrete testing and observation.	5.75	\$85.00	\$488.75



INVOICE

9/13/22

Invoice Date:

Total Amount: \$22,790.68 19-102-024

Number:

08/07/22 - 09/10/22

Invoice Period: PO Number:

Project Code: 19-102

Project: Macomb In-Line Storage

Tetra Tech Brian Rubel 710 Avis Drive - Suite 100 Ann Arbor, MI 48108

INVOICE DETAILS

INVOICE DETAILS						
Source	Date	Code	Description	Hrs / Qnt	Rate	Amount
			CCA:Task 04 Quality	Control 113.75		\$14,252.50
Zachary Carr, P.E.	8/8/22	02-Principal Engineer/Officer		0.50	\$145.00	\$72.50
Zachary Carr, P.E.	8/9/22	02-Principal Engineer/Officer		0.50	\$145.00	\$72.50
Nicholas Kacynski, P.E.	8/17/22	04-Project Engineer/Geologist		1.50	\$112.00	\$168.00
Zachary Carr, P.E.	8/25/22	02-Principal Engineer/Officer		1.00	\$145.00	\$145.00
Zachary Carr, P.E.	8/31/22	02-Principal Engineer/Officer		1.00	\$145.00	\$145.00
Danielle Welsh	9/6/22	10-Administrative Assistant	Process payment Post truck usage	0.50	\$55.00	\$27.50
Nicholas Kacynski, P.E.	9/7/22	04-Project Engineer/Geologist	submittal review	0.25	\$112.00	\$28.00
Danielle Welsh	9/7/22	10-Administrative Assistant	Post truck usage	0.25	\$55.00	\$13.75
Danielle Welsh	9/8/22	10-Administrative Assistant	Process vendor expenses	0.25	\$55.00	\$13.75
Nicholas Kacynski, P.E.	9/9/22	04-Project Engineer/Geologist		0.25	\$112.00	\$28.00
			CCA:Task 05 Construction Adminis	tration 6.00		\$714.00
			Profession	al Fees 119.75		\$14,966.50
Reimbursable Exp	enses					
Admîn -	8/4/22	PR-Truck Usage Daily	Truck usage up to 50 miles per day. #6 Ram ProMaster	1.00	\$95.00	\$95.00
Peter Wenderski, P.E.	8/17/22	PR - Car Mileage (Direct Expense)	drove to/from beaconsfield	32.00	\$0.6875	\$22.00
Lindsey Gawthrop	8/18/22	PR - Car Mileage (Direct Expense)		36.00	\$0.6875	\$24.75
Lindsey Gawthrop	8/18/22	PR-Troxler Soil Density Testing		1.00	\$25.00	\$25.00
Roctest	8/18/22	PR-Supplies and Materials	19-102 RocTest #36268 \$3674.40	3,674.40	\$1.10	\$4,041.84
True Value Hardware	8/23/22	PR-Supplies and Materials	19-102 True Value #04260 \$15.35	15.35	\$1.10	\$16.89
Lowe's	8/23/22	PR-Supplies and Materials	19-102 Lowes 08046 \$512.35	512.35	\$1.10	\$563.59
Admin -	8/23/22	PR-Truck Usage Daily	Truck usage up to 50 miles per day #8 Ram 1500 8/23, 8/24, 8/26	3.00	\$95.00	\$285.00



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INVOICE

Invoice Date: 9/13/22

Total Amount: \$22,790.68

Number: ' 19-102-024-

Invoice Period: 08/07/22 - 09/10/22

PO Number:

Project Code: 19-102

Project: Macomb In-Line Storage

Tetra Tech Brian Rubel 710 Avis Drive - Suite 100 Ann Arbor, MI 48108

INVOICE DETAILS

Mander of the second of the se							
Source	Date	Code	Description	tig i yang giyarah karang gilan i kempung malaya yang biliya i	Hrs / Qnt	Rate	Amount
Lowe's	8/25/22	PR-Supplies and Materials	19-102 Lowes #05352 \$38.31		38.31	\$1.10	\$42.14
Peter Wenderski, P.E.	8/25/22	PR-Supplies and Materials	Tell tale materials		90.27	\$1.10	\$99.30
Admin -	8/26/22	PR-Truck Additional Mileage	Truck usage over 50 miles per day #8 Ram 1500		15.00	\$0.80	\$12.00
Admin -	8/29/22	PR-Truck Usage Daily	Truck usage up to 50 miles per day #3 Ram 1500	,	1.00	\$95.00	\$95.00
Admin -	8/29/22	PR-Truck Usage Dail y	Truck usage up to 50 miles per day #4 Ram 1500 8/29, 8/30	,	2.00	\$95.00	\$190.00
ECT Manufacturing, Inc	8/29/22	PR-Supplies and Materials	19-102 ECT #138526 \$407.30		407.30	\$1.10	\$448.03
Peter Wenderski, P.E.	9/1/22	PR-Supplies and Materials	vibration monitoring		7.25	\$1.10	\$7.98
Peter Wenderski, P.E.	9/1/22	PR-Supplies and Materials	vibration monitoring		8.87	\$1.10	\$9.76
Geokon	9/2/22	PR-Other Expenses	19-102 Geokon #00085449 \$1147.	87	1,147.87	\$1.10	\$1,262.66
Peter Wenderski, P.E.	9/8/22	PR-Supplies and Materials	Inclinometer material		21.15	\$1.10	\$23.27
Peter Wenderski, P.E.	9/8/22	PR-Survey Equipment Daily	2 days of monitoring		2.00	\$130.00 	\$260.00
Peter Wenderski, P.E.	9/8/22	PR-Vibrating Wire Analyzer Daily	2 days of monitoring		2.00	\$75.00	\$150.00
Alexia Sarnowsky	9/8/22	PR-Concrete Testing Equipment Daily	Grout testing		1.00	\$75.00	\$75.00
Alexia Sarnowsky	9/9/22	PR-Concrete Testing Equipment Daily	Grout testing		1.00	\$75.00	\$75.00
				CCA:Task 04 Quality Control	6,020.12		\$7,824.18
				Reimbursable Expenses	6,020.12		\$7,824.18
				TOTAL FEES/EXPENSES	-		\$22,790.68

Expense Report

Report Name Mileage for 8/30/2022

Expense Owner

Jeff Tervo

Expense Owner

Expense Owner

JEFF.TERVO / 577698

Created By

Jeff Tervo

Submit Date

Sep 02, 2022

To Be Paid in USD



Report ID: 0100-3220-7548

Financial Summary

	Total (USD)
Total Expenses Reported	66.20
Less Company Paid	0.00
Amount Due Expense Owner	66.20

Expense Summary

Expense Type	Total (USD)
Mileage	66.20
Total	66.20

Allocation Summary

Allocations Charged			Total (USD)
200-16347-19001 / 03.0	MACOMB COUNTY / 10-JAN-22 / 31-DEC-23	MACOMB IN-SYS STORAGE DEVICES / CONST ADMIN	66.20
Total			66.20

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Expense Report

Mileage for 8/30/2022

Item	Date	GL C	ode	Type	Disb Amtt	Pay Me Amt
1	08/30/2022	Mileage	(unit) M	ileage	66.20 USD	66.20 USD
Justific	cation	Drove to site and	d back			
Descri	iption	To:: 21913 Beac	Drive, Ann Arbor, Mi, onsfield Avenue, Eas ve, Ann Arbor, Mi, US	pointe, N	11, USA	
		Firm Paid: No				
Alioca	tions	200-16347-190 01 / 03.0	MACOMB COUNTY /		ACOMB IN-SYS ORAG	66.20 USD
Trip in	nfo	-	Ann Arbor, MI, USA eld Avenue, Eastpoin	te. Ml. US	5A	53.05
			Ann Arbor, MI, USA	, , - , -		105.92
		calculatedDistan		105.92		
		currentDeduction		0.00	×	
		currentDeduction			onDefault	
		Miles		105.92		
		Rate		62.500		
		units		Miles		
Car Pl	an	Car Plan Name		US_GSA	\	
		Car Plan Tier		US_GSA	\	



24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Chapaton RTB Canal Rehab

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	10/3/22
4. SET ID	5. POST	DATE
VP221004KA	913012	

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	01	2025279	9/28/2022	\$	59,189.13		

						CHILD RECORD DETAIL I	NFORMATION				
	General Ledger		General Ledger Job Ledger 16.		OPTIONAL	OPTIONAL			()	CK CK	
Line	12. Org Key	13. Object	Cost Center (CCNT)	15. Object	Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep C
A	8210017C	80138	: CC0037	80138	: WO22006	8 1/2 Mile Relief	: Pjt #MCW200501T, 8/20-9/23	\$ 59,189.13	GEN		
В			č		:						
С			:		:						
D			:		:						
E			:		:						
F			×.								
G											

REV 09/2018

23. Total: \$

59,189.13

25. Finance Officer:	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:	31. Project Balance:	\$346929.98 (Grant Balance: \$27,037.11)
27. Engineers:	32. Staff Date:	10/11/2022
28. Managers:	33. Board Date:	10/17/2022
29. Coordinator:	34. Select For Pay Date:	

MACOMB COUNTY PUBLIC WORKS OFFICE ENGINEERING INVOICE COVER SHEET

WORK ORDER NUMBER

19004

PROJECT NUMBER

WWS-2019-002

PROJECT NAME

Chapaton RTB Canal Upgrades

DRAINAGE DISTRICT

Eight and One-Half Mile

CONSULTANT NAME

Wade Trim Associates, Inc.

INVOICE DATE

9/28/2022

INVOICE START DATE

8/20/2022

INVOICE END DATE

9/23/2022

ORIGINAL CONTRACT AMOUNT	\$	977,611.00
CHANGE ORDER TOTAL	Īŝ	869,778.67
Change Order No. 1	\$	75,000.00
Change Order No. 2	\$	335,263.00
Change Order No. 3	\$	99,812.00
Change Order No. 4	\$	359,703.67
TOTAL REVISED CONTRACT AMOUNT	\$	1,847,389.67
(includes all approved change orders only)		

TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 1,441,270.56
----------------------------------	-----------------

TOTAL AMOUNT DUE THIS INVOICE	\$	59,189.13
TO THE PROPERTY DOE THIS HAVOICE	¥	33,103,

TOTAL BUDGET REMAINING \$ 346,929.98

(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: 2025279
Invoice Date: 9/28/2022
Project: MCW200501T

Project Name: Chapaton RTB Canal Upgrades

For Professional Services Rendered For 8/20/2022 Through 9/23/2022

** All subconsultant invoices marked up 5% **

 Billings

 Fee
 Available
 To Date
 Previous
 Current

 1,847,389.67
 406,119.11
 1,500,459.69
 1,441,270.56
 59,189.13

Rate Labor

53,448.25

Expenses

5,740.88

 Current Billings
 59,189.13

 Amount Due This Bill
 59,189.13

Total Fee:

1,847,389.67

To Date Billings:

1,500,459.69

Total Remaining:

346,929.98

Project: MCW200501T - Chapaton RTB Canal Upgrades			<u></u>	voice: 2025279
9A1 - WT Project Management			1	
Rate Labor				
Class / Employee	Date	Hours	Rate	Amoun
Senior Professional				
John Arvai				
	9/1/2022	1.00	265.0000	265.00
	9/6/2022	1.00	265,0000	265.00
	9/12/2022	1.00	265,0000	265.00
	9/21/2022	1.00	265.0000	265.00
	9/22/2022	1.00	265.0000	265.00
Total Senior Professional		5,00		1,325.00
	Total Rate Labo	or .		1,325.00
Total Bill Task: 9A1 - WT Project Management				1,325.00
OAR AUT Final Design				
9A3 - WT Final Design Rate Labor				
Class / Employee	Date	Hours	Rate	Amount
CADD Tech III				71110471
Max T School				
	9/13/2022	5.00	100.0000	500.00
	9/14/2022	3.75	100.0000	375.00
	9/15/2022	1.00	100.0000	100.00
	9/16/2022	8.00	100.0000	800,00
	9/19/2022	8.00	100.0000	800.00
	9/22/2022	4.00	100.0000	400.00
	9/23/2022	2.00	100.0000	200.00
Total CADD Tech III	5, 53, 2052	31.75	100.0000	3,175.00
Engineer I			I	3,175.00
Matthew L Parran			ı	
	8/23/2022	0.30	105.0000	31.50
	8/24/2022	0.30	105.0000	31.50
	8/25/2022	0.50 .	105.0000	52.50
	8/26/2022	0.30	105.0000	31.50
	8/30/2022	3.00	105.0000	315.00
	8/31/2022	2.00	105.0000	210.00
	9/1/2022	0.50	105.0000	52.50
	9/6/2022	0.50	105.0000	52.50
	9/7/2022	0.50	105.00,00	52.50
Total Engineer I	9/13/2022	5.00 12.90	105.0000	525.00
•		12.50	·	1,354.50
Engineer II	0.412.42022	0.50	445.0000	F7 F0
Alexander H Ware Engineer III	9/13/2022	0.50	115.0000	57.50
Jason Obrycki-Smith				
	8/30/2022	1,00	130.0000	130.00
	8/31/2022	2.00	130.0000	260.00
	9/1/2022	1.00	130.0000	130.00
	9/2/2022	4.00	130.0000	520.00
	9/6/2022	3.00	130.0000	390.00
	9/7/2022	4.00	130.0000	520.00

9A3 - WT Final Design				
9A5 - W1 Final Design Rate Labor				
Class / Employee	Date	Hours	Rate	Amoun
Engineer III				
Jason Öbrycki-Smith				
	9/8/2022	3.00		
	9/9/2022	2.00		
	9/13/2022	2.00		
	9/14/2022	3.00		
	9/15/2022	3.00		
	9/16/2022	4.00		
	9/19/2022	6.00	130.0000	
	9/20/2022	4.00		
	9/22/2022	2.00	130.0000	260.0
Total Engineer III	9/23/2022	2.00	,	260.0
Engineer IV		46.00		5,980.0
Oneida Westhoff				
	9/14/2022	2.00	155.0000	310.0
	9/16/2022	1.50		232.5
	9/19/2022	7.00	155.0000	1,085.0
	9/20/2022	2.00	155.0000	310.0
Tyler Barkho				
	8/24/2022	0.50	155.0000	77.50
	9/16/2022	4.00	155.0000	620.0
	9/19/2022	4.00	155.0000	620.0
	9/20/2022	4.00	155.0000	620.0
	9/21/2022	8.00	155.0000	1,240.0
	9/23/2022	7.50	155.0000	1,162.5
Total Engineer IV		40.50	•	6,277.5
Professional Engineer II				
Tyler S Davidek				
	8/22/2022	4.00	155.0000	620.0
	8/25/2022	4.00	155.0000	620.0
	9/8/2022	4.00	155.0000	620.0
	9/9/2022	4.00	155.0000	620.0
	9/12/2022	4.00	155.0000	620.0
	9/13/2022	4.00	155.0000	620.0
	9/14/2022	2.00	155.0000	310.0
	9/15/2022	4.00	155.0000	620.0
	9/19/2022	4.00	155.0000	620.0
	9/20/2022	4.00	155.0000	620.0
	9/22/2022	3.00	155.0000	465.0
T. In () In	9/23/2022	4.00	155.0000	620.00
Total Professional Engineer II		45.00		6,975.00
Project Administrator	â e locat	A ===		.=
Melanie A Phillips Project Specialist III	9/7/2022	0.50	90.0000	45.00
John K Golden				

175.00

175.0000

8/30/2022

1.00

9A3 - WT Final Design Rate Labor				
Class / Employee	Date	Hours	Rate	Amoun
Project Specialist III	·			
John K Golden				
	8/31/2022	0.50	175.0000	87.50
	9/7/2022	1.00	175.0000	175.00
	9/13/2022		175.0000	350.00
Total Project Specialist III	9/14/2022	0.25 4.75	175.0000	43.75
Senior Professional				
Steven A Kalinowski				
	8/23/2022	1.00	265.0000	265.0
	8/24/2022	1.00	265.0000	265.00
	8/30/2022	1.00	265.0000	265.0
	9/1/2022	1.00	265.0000	265.0
	9/9/2022	1.00	265.0000	265.0
	9/12/2022	1.00	265.0000	265.00
	9/13/2022	2.00	265.0000	530.00
	9/14/2022	1.00	265.0000	265.00
	9/16/2022	1.00	265.0000	265.00
	9/19/2022	2.00	265.0000	530.00
	9/20/2022	2.00	265.0000	530.00
	9/21/2022	1.00	265.0000	265.00
	9/22/2022	2.00	265.0000	530.0
	9/23/2022	1.00	265.0000	265.0
Brian E Gombos				
	9/20/2022	1.00	265.0000	265.00
	9/21/2022	1.00	265.0000	265.0
	9/22/2022	2.00	265.0000	530.0
	9/23/2022	1.00	265.0000	265.0
James K White				
	8/31/2022	4.00	265.0000	1,060.00
	9/2/2022	4.00	265.0000	1,060.00
	9/7/2022	4.00	265.0000	1,060.0
	9/9/2022	5.00	265.0000	1,325.0
	9/13/2022	4.00	265.0000	1,060.00
	9/16/2022	6.00	265.0000	1,590.0
	9/19/2022	4.00	265.0000	1,060.0
	9/20/2022	6.00	265.0000	1,590.00
	9/21/2022	3.00	265.0000	795.00
John Arvai	9/22/2022	1.00	265.0000	265.00
	8/25/2022	0.50	265.0000	132.50
	8/29/2022	0.50	265.0000	132.50
	8/31/2022	0.50	265.0000	132.50
	9/8/2022	1.00	265.0000	265.00
	9/9/2022	1.00	265.0000	265.00
	9/13/2022	1.00	265.0000	265.00
	9/15/2022	1.00	265.0000	265.00

9A3 - WT Final Design				f	
Rate Labor					
Class / Employee	Date	Hours	_	Rate	Amoun
Senior Professional			_		
John Arvai					
	9/20/2022	1.00		265.0000	265.0
	9/21/2022	1.00		265.0000	265.0
	9/22/2022	2.00		265.0000	530.0
Gary J Prenger					
	8/30/2022	1.00		265.0000	265.0
	8/31/2022	1.00		265.0000	265.0
	9/16/2022	4.00		265.0000	1,060.0
	9/22/2022	2.00	-	265.0000	530.0
Jeffrey W Reynhout					
	8/23/2022	2.00		265.0000	530.0
	8/24/2022	2.00		265.0000	530.0
	8/29/2022	1.00		265.0000	265.0
	8/30/2022	2.00		265.0000	530.0
	8/31/2022	2,00		265.0000	530.0
	9/6/2022	1.00		265.0000	265.0
	9/7/2022	1.00		265.0000	265.0
	9/12/2022	2.00		265.0000	530.0
	9/13/2022	1.00		265.0000	265.0
	9/19/2022	2.00		265.0000	530.0
	9/20/2022	3.00		265.0000	795.0
	9/21/2022	2.00		265.0000	530.0
	9/22/2022	1.00		265.0000	265.0
Total Senior Professional		103.50		1	27,427.5
	Total Rate Labor				52,123.2
Total Bill Task: 9A3 - WT Final Design					52,123.2
9C1 - NTH					
Expenses					
Account / Vendor	Doc Number	Date	Cost	Multiplier	Amoui
Subconsultants				1	
NTH Consultants LTD	0020022238	9/16/2022	5,467.50	1.050	5,740.8

Total Project: MCW200501T - Chapaton RTB Canal Upgrades

59,189.13

Work Description:

Project management and coordination of design activities, staff and team meetings. Meetings with MCPWO and EGLE. Hydraulic analysis due to elimination of the 9 Mile Pump Station completed. Continued progressing design towards 60% design level. Prepared monthly invoice and progress report.



Attention: John Arvai Wade-Trim Associates, Inc. 25251 Northline Taylor, MI 48180

US

Invoice: 630601 Invoice Date: 9/14/2022 Due Date: 10/14/2022 Project: 62190022

Project Name: MCO - Chapaton RTB Canal

Upgrades

Dillin an

Bill Term: **

For Professional Services Rendered Through 9/9/2022

Authorization per Subcontractor Amendment No. 2 signed on 5/31/2022

Total Budget \$295,100

Engineering services related to the expansion of the Chapaton Basin

		Billings			Billings	
		Fee	Available	To Date	Previous	Current
**** - Default		0.00	0.00	0.00	0.00	0.00
10 - *C* Project Management		28,890.00	13,054.17	15,835.83	15,835.83	0.00
20 - *C* - Preliminary Design		99,060.00	28.51	99,031.49	99,031.49	0.00
30 - *C* - Final Design		91,200.00	3,036.98	88,163.02	88,163.02	0.00
40 - *C* - Bidding Assistance		9,360.00	9,360.00	0.00	0.00	0.00
50 - Existing Canal Widening		66,590.00	41,492.24	30,565.26	25,097.76	5,467.50
Rate Labor	5,467.50					

Current Billings	5,467.50
Amount Due This Bill	5,467.50

Outstanding Receivables	Invoice Number	Date	Amount	Balance Due
	630020	7/19/2022	2,154.75	2,154.75
	630312	8/17/2022	4,448.41	4,448.41
				6,603.16

<u> </u>		nvoice: 630601
	1	
Hours	Rate	Amount
· · · · · · · · · · · · · · · · · · ·		
1.00	150.000	150.00
10.50	150.000	1,575.00
11.50	i	1,725,00
		•
3.50	215.000	752,50
23.00	130.000	2,990.00
Total Rate Labor		5,467.50
		5,467.50
	1.00 10.50 11.50 3.50	Hours Rate 1.00 150.000 10.50 150.000 11.50 215.000 23.00 130.000

Total Project: 62190022 - MCO - Chapaton RTB Canal Upgrades

5,467.50



24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Record Retainage \$38,573.51

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	10/3/22

4. SET ID	5. POST DATE	
VP 221004KA	91302	

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	WWS-2021-006 APP 6	9/20/2022	\$	347,161.58

	The sale					CHILD RECORD DETAIL I	NFORMATION				
	Genera	Ledger	Job L	edger	16.	OPTIONAL				0	×
12	2. Org Key	13. Object	Cost Center (CCNT)	15. Object	Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep C
8	210017C	80126	: CC0033	80126	: WO21022	8 1/2 Mile	In-System Storage App 6 thru 9/16	\$ 347,161.58	GEN		
			:								
			:		:	:					
					:	:					
4			:								
3			1								

REV 09/2018

23. Total: \$

347,161.58

5. Finance Officer:	BM/kk	30. Drain:	8/1/2 Mile
26. Chief Deputy:		31. Project Balance:	\$8,242,696.98
27. Engineers:		32. Staff Date:	10/11/2022
28. Managers:		33. Board Date:	10/17/2022

MACOMB COUNTY PUBLIC WORKS OFFICE CONTRACTOR INVOICE COVER SHEET

WORK ORDER NUMBER

BER WO19004

PROJECT NUMBER

WWS-2021-006

PROJECT NAME

In-System Storage

DRAINAGE DISTRICT

8-1/2 Mile Relief Drain

CONTRACTOR NAME

Weiss Construction Co., LLC

INVOICE DATE

9/20/2022

INVOICE START DATE

8/20/2022

INVOICE END DATE

9/16/2022

ORIGIN	\$ 9,673,200.00		
СН	ANGE ORDER TOTAL		\$ 269,666.49
Change Order No. 1	Date Executed:	9/15/2022	\$ 269,666.49
Change Order No. 2	Date Executed:		
Change Order No. 3	Date Executed:		
Change Order No. 4	Date Executed:		
TOTAL RE	VISED CONTRACT AMOUNT		\$ 9,942,866.49

(includes all approved change orders only)

TOTAL AMOUNT PREVIOUSLY INVOICED	Ś	1,353,007.93
TO THE COURT OF THE COURT IN COURT	· ·	1,555,007.55

TOTAL AMOUNT DUE THIS INVOICE	Ś	347.161.58

TOTAL BUDGET REMAINING \$ 8,242,696.98

(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)



Contractor's Application for Payment

Owner:					Owner's Project No.:			WWS-2021-0006
Engineer:	Tetra T	etra			Engineer's Project No.:			200-16347-19001
Contractor:	Weiss C	onstru	ction		Contra	ctor's Project N	o.:	2022-01
Project:	8-1/2 N	1ile Rel	ief Drain DD - In	System St	orage			
Contract:	act: WWS-2021-006							
Application I	No.:	6		Applica	tion Date:	9/15/2022		
Application I	Period:	From	8/20/	2022	to	9/16/2022		_
1. Ori	ginal Con	tract P	rice				\$	9,673,200.00
2. Net	change	by Chai	nge Orders				\$	269,666.49
3. Cur	rent Con	tract Pi	rice (Line 1 + Line	2)			\$	9,942,866.49
4. Tot	al Work o	omple	ted and materia	ls stored to	o date			
(Su	m of Colu	ımn G l	ump Sum Total	and Colun	nn J Unit Price	e Total)	\$	1,889,077.23
5. Ret	ainage							
a	10%	_ X	\$ 1,889,077.23	Work Co	ompleted		\$	188,907.72
b		Х	\$ 9,874.63	Stored N	Materials		\$	
C.	Total Re	etainag	e (Line 5.a + Line	5.b)			\$	188,907.72
6. Am	ount elig	ble to	date (Line 4 - Lin	e 5.c)			\$	1,700,169.51
7. Less previous payments (Line 6 from prior application) \$						\$	1,353,007.93	
8. Am	ount due	this ap	plication				\$	347,161.58
9. Balance to finish, including retainage (Line 3 - Line 4) \$							\$	8,053,789.26

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: Weiss Construction - Zach Zechmeiste	er		
Signature: Lally Johnson		Date:	9/21/2022
Recommended by Engineer	Approve	d by Owner	
By: Jub w/g/	Ву:	-Vich-	
Title: Construction Manager	Title:	Operations Manager	
Date: 09/22/22	Date:	09.22.22	
Approved by Funding Agency		-4 M	
Ву:	Ву:	Sol	
Title:	Title:	Engineer II	
Date:	Date:	09.22.22	

WWS-2021-006

Contract:

Contractor's Application for Payment

Owner:Macomb County Public WorksOwner's Project No.:WWS-2021-0006Engineer:Tetra TetraEngineer's Project No.:200-16347-19001Contractor:Weiss ConstructionContractor's Project No.:2022-01Project:8-1/2 Mile Relief Drain DD - In System Storage

Application No.:	6 Application Period:	From	08/20/22	to	09/16/22		Application Date:	09/15/22	
A	В	С	D	E	F	G	Н	1	
The second			Work Completed		TO THE REAL PROPERTY.	S. True - Delivery			
Item No.	Description Si	Description Scheduled V.	Scheduled Value (\$)	(D + E) From Previous Application (\$)	This Period	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) (\$)
			Original Contract						
- Wall, R	General						MASA CONTRACTORS		
1	Project Management - 20 months	\$300,000.00	105,000.00	15,000.00		120,000.00	40%	180,000.00	
2	Mobilization (Main Site)	\$363,000.00	363,000.00			363,000.00	100%		
3	Demobilization (All Sites)	\$121,000.00					0%	121,000.00	
4	Site General Conditions - 20 months	\$200,000.00	10,000.00	10,000.00		20,000.00	10%	180,000.00	
5	Submittals	\$75,000.00	55,000.00			55,000.00	73%	20,000.00	
6	AsBuilts	\$25,000.00					0%	25,000.00	
7	O&M Manuals	\$25,000.00	-				0%	25,000.00	
8	Site Wide Commissioning - inc. Operational Demonstation	\$50,000.00					0%	50,000.00	
9	Tunnel Locating - Probing	\$50,000.00	50,000.00			50,000.00	100%		
10	Survey/Layout	\$25,000.00	12,500.00			12,500.00	50%	12,500.00	
11	Precon Photos	\$20,000.00	10,000.00			10,000.00	50%	10,000.00	
12	Traffic Control	\$50,000.00	30,000.00			30,000.00	60%	20,000.00	
13	SESC	\$20,000.00	5,000.00			5,000.00	25%	15,000.00	
MIETERS VEISTO	Procurement - Materials Only								
14	Precast Concrete - Multiple Sites	\$80,000.00					0%	80,000.00	
15	Reinforcing Steel - Beaconsfield	\$190,000.00					0%	190,000.00	
16	TERS Steel (Raw Materials) - Beaconsfield	\$538,000.00	382,332.31			382,332.31	71%	155,667.69	
17	ISG - Inflatable Sewer Gate System - Post Submittal Approval	\$100,000.00		100,000.00		100,000.00	100%		
18	ISG - Controls and Equip (Blowers, Valves, CP) - Beaconsfield	\$350,000.00	-				0%	350,000.00	
19	ISG - Inflatable Sewer Gate System - Bladder - Beaconsfield	\$400,000.00					0%	400,000.00	
20	DIP - Multiple Sites	\$250,000.00	15,000.00			15,000.00	6%	235,000.00	
21	FRP, PVC, HDPE - Beaconsfield	\$65,000.00					0%	65,000.00	
22	Stainless Steel Pipe- Beaconsfield	\$55,000.00					0%	55,000.00	
23	Carbon Based Odor Control - Multiple Sites	\$105,000.00					0%	105,000.00	
24	Kelly Lightpost Vents - SpringCity - Kelly Site	\$70,000.00					0%	70,000.00	
25	Sluice Gates - Hydrogate - Beaconsfield	\$255,000.00					0%	255,000.00	
26	Misc Metals (Ladders, Grating, Etc) - Beaconsfield	\$45,000.00	-				0%	45,000.00	
27	Tunnel Ribbing - Beaconsfield	\$35,000.00		35,000.00		35,000.00	100%	-	
28	Lagging - Beaconsfield	\$75,000.00	27,330.83	,		27,330.83	36%	47,669.17	
	Small Sites			CANADA SAN	PARESTILL AND	27,000.00	Series In the latest t	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
29	Greatermack Site - COMPLETE	\$45,000.00					0%	45,000.00	
30	Edgewood Site - COMPLETE	\$40,000.00	14				0%	40,000.00	
31	O'Connor Site - COMPLETE	\$10,000.00					0%	10,000.00	
	Kelly Site	**************************************	ENGINEER BOOK	THE RESERVE	TANK CALE DELICA	G. BIGSTER	070	20,000,00	
32	Kelly - Clear Site & Traffic Control	\$5,000.00	5,000.00			5,000.00	100%		
33	Kelly - SESC	\$5,000.00	2,500.00			2,500.00	50%	2,500.00	

WWS-2021-006

Contract:

Contractor's Application for Payment

Owner:	Macomb County Public Works	Owner's Project No.:	WWS-2021-0006
Engineer:	Tetra Tetra	Engineer's Project No.:	200-16347-19001
Contractor:	Weiss Construction	Contractor's Project No.:	2022-01
Project:	8-1/2 Mile Palief Drain DD - In System Storage		

A B C D E F G	Application Date	: 09/15/22
	Н	
35 Kelly - Shaft Egress and Setup \$25,000.00 25,000.00 25,000.00 36 Kelly - Hand Excavate to Top of Pipe \$45,000.00 45,000.00 45,000.00 37 Kelly - Concrete Collar \$20,000.00 20,000.00 20,000.00 20,000.00 38 Kelly - Stack Precast Risers \$35,000.00 -	e % of Scheduled Value (G / C) (%)	Balance to Finish (C G) (\$)
36 Kelly - Hand Excavate to Top of Pipe \$45,000.00 45,000.00 20,000.00 37 Kelly-Concrete Collar \$20,000.00 20,000.00 20,000.00 20,000.00 38 Kelly-Concrete Collar \$35,000.00 \$20,000.00 \$20,000.00 \$20,000.00 \$38 Kelly-Stack Precast Risers \$35,000.00 \$39 Kelly-Odor Control - Set Vault, Interior Piping \$45,000.00 \$40 Kelly - Vent Site - DiP \$50,200.00 \$40 Kelly - Vent Site - DiP \$50,200.00 \$40 Kelly - Vent Site - DiP \$50,200.00 \$40 Kelly - Vent Site - DiP \$50,000.00 \$40 Kelly - Vent Site - DiP \$50,000.00 \$40 Kelly - Vent Site - DiP \$50,000.00 \$40 Kelly - Vent Site - DiP \$40 Kel	0 759	5,000.00
37 Kelly- Concrete Collar \$20,000.00 20,000.00 20,000.00 38 Kelly- Stack Precast Risers \$33,000.00 -	0 1009	6
38 Kelly- Stack Precast Risers \$35,000.00 - -	0 1009	6
Section Sect	0 1009	6
40 Kelly - Vent Site - DIP \$50,200.00 -	. 09	6 35,000.00
Second S	. 09	45,000.00
Beaconsfield	. 09	50,200.00
42 Tunnel Ribbing Installation \$25,000.00 - 25,000.00 25,000.00 43 Sawcut Pavement \$8,000.00 - 4,000.00 4,000.00 44 Excavation to TERS 591 \$70,000.00 - 45 TERS 591 Install \$50,000.00 - 46 Excavation to TERS 581.5 \$245,000.00 - 47 TERS 581 Install \$60,000.00 - 48 Excavation to 573 - Top of Pipe \$190,000.00 - 49 TERS 573 Install \$60,000.00 - 50 Excavation to Mudmat Elevation \$200,000.00 - 51 Undermine Tunnel \$200,000.00 - 52 Concrete - MudMat \$45,000.00 - 53 Concrete - Base Slab \$133,000.00 - 54 Concrete - Walls to 577 \$320,000.00 - 55 Concrete - Deck at 577 \$120,000.00 - 57 Concrete - Deck at 587 \$160,000.00 - 58 Concrete - Deck at 587 \$160,000.00 - 59 Backfill \$160,000.00 - 59 Backfill \$160,000.00 - 60 Sawcut Entry to Sewer \$95,000.00 - 61 Bypass - Temp Support \$55,000.00 - 62 Concrete Bench and Prep \$45,000.00 - 62 Concrete Bench and Prep \$45,000.00 - 65 Concrete Bench and Prep \$45,000.00 - 60 Sawcut Entry to Sewer \$95,000.00 - 60 Concrete Bench and Prep \$45,000.00 - 60 Co	. 09	6 10,000.00
Sawcut Pavement \$8,000.00 - 4,000.00 4,000.00		
44 Excavation to TERS 591 \$70,000.00 - - - 45 TERS 591 Install \$50,000.00 - - - 46 Excavation to TERS 581.5 \$245,000.00 - - - 47 TERS 581 Install \$60,000.00 - - - - 48 Excavation to 573 - Top of Pipe \$190,000.00 - <t< td=""><td>0 100%</td><td>6</td></t<>	0 100%	6
SERS 591 Install	0 509	4,000.00
A66 Excavation to TERS 581.5 \$245,000.00 -	09	6 70,000.00
47 TERS 581 Install \$60,000.00 - </td <td>09</td> <td></td>	09	
48 Excavation to 573 - Top of Pipe \$190,000.00 -<		
49 TERS 573 Install \$60,000.00 - - - 50 Excavation to Mudmat Elevation \$200,000.00 - - - 51 Undermine Tunnel \$200,000.00 - - - - 52 Concrete - MudMat \$45,000.00 - - - - - 53 Concrete - Base Slab \$135,000.00 -		
Signature Sign	7300	
51 Undermine Tunnel \$200,000.00 - - 52 Concrete - MudMat \$45,000.00 - - 53 Concrete - Base Slab \$135,000.00 - - 54 Concrete - Walls to 577 \$320,000.00 - - 55 Concrete - Deck at 577 \$120,000.00 - - 56 Concrete - Walls to 587 \$160,000.00 - - 57 Concrete - Deck at 587 \$110,000.00 - - 58 Concrete - Bypass Culvert \$75,000.00 - - 59 Backfill \$160,000.00 - - 60 Sawcut Entry to Sewer \$95,000.00 - - 61 Bypass - Temp Support \$55,000.00 - - 62 Concrete Bench and Prep \$45,000.00 - -	- 09	
52 Concrete - MudMat \$45,000.00 - - 53 Concrete - Base Slab \$135,000.00 - - 54 Concrete - Walls to 577 \$320,000.00 - - 55 Concrete - Deck at 577 \$120,000.00 - - 56 Concrete - Walls to 587 \$160,000.00 - - 57 Concrete - Deck at 587 \$110,000.00 - - 58 Concrete - Bypass Culvert \$75,000.00 - - 59 Backfill \$160,000.00 - - 60 Sawcut Entry to Sewer \$95,000.00 - - 61 Bypass - Temp Support \$55,000.00 - - 62 Concrete Bench and Prep \$45,000.00 - -	09	
53 Concrete - Base Slab \$135,000.00 - <t< td=""><td>09</td><td></td></t<>	09	
54 Concrete - Walls to 577 \$320,000.00 - - 55 Concrete - Deck at 577 \$120,000.00 - - 56 Concrete - Walls to 587 \$160,000.00 - - 57 Concrete - Deck at 587 \$110,000.00 - - 58 Concrete - Bypass Culvert \$75,000.00 - - 59 Backfill \$160,000.00 - - 60 Sawcut Entry to Sewer \$95,000.00 - - 61 Bypass - Temp Support \$55,000.00 - - 62 Concrete Bench and Prep \$45,000.00 - -		
55 Concrete - Deck at 577 \$120,000.00 - - - 56 Concrete - Walls to 587 \$160,000.00 - - - 57 Concrete - Deck at 587 \$110,000.00 - - - - 58 Concrete - Bypass Culvert \$75,000.00 -	09	
55 Concrete - Deck at 577 \$120,000.00 -		
56 Concrete - Walls to 587 \$160,000.00 - - 57 Concrete - Deck at 587 \$110,000.00 - - 58 Concrete - Bypass Culvert \$75,000.00 - - 59 Backfill \$160,000.00 - - 60 Sawcut Entry to Sewer \$95,000.00 - - 61 Bypass - Temp Support \$55,000.00 - - 62 Concrete Bench and Prep \$45,000.00 - -	09	
58 Concrete - Bypass Culvert \$75,000.00 - - 59 Backfill \$160,000.00 - - 60 Sawcut Entry to Sewer \$95,000.00 - - 61 Bypass - Temp Support \$55,000.00 - - 62 Concrete Bench and Prep \$45,000.00 - -		
59 Backfill \$160,000.00 - - 60 Sawcut Entry to Sewer \$95,000.00 - - 61 Bypass - Temp Support \$55,000.00 - - 62 Concrete Bench and Prep \$45,000.00 - -	09	
59 Backfill \$160,000.00 - - 60 Sawcut Entry to Sewer \$95,000.00 - - 61 Bypass - Temp Support \$55,000.00 - - 62 Concrete Bench and Prep \$45,000.00 - -	09	The second secon
61 Bypass - Temp Support \$55,000.00 - <t< td=""><td></td><td>The state of the s</td></t<>		The state of the s
61 Bypass - Temp Support \$55,000.00 - - 62 Concrete Bench and Prep \$45,000.00 - - -		
64 Site Utilities inc. 24" Vent \$160,000.00 -		
65 New Gas Service (excluding utility fees) \$20,000.00 -		
66 New Water Service (excluding tap) \$20,000.00 -		
67 Inflate Deflate - Site DIP \$25,000.00 -		
68 A,V,PS, IF/DF - Site HDPE \$25,000.00 -		
69 Hydr, Line Conduits/Raceway - Site \$20,000.00 -		
70 Chipping/Demo at Tunnel for Piping Install \$25,000.00 -		

Contractor's Application for Payment

Owner: Macomb County Public Works Owner's Project No.: WWS-2021-0006 Engineer: Tetra Tetra 200-16347-19001 Engineer's Project No.: Contractor: Weiss Construction Contractor's Project No.: 2022-01

Project: 8-1/2 Mile Relief Drain DD - In System Storage Contract: WWS-2021-006

Application No.:	6 Application Period	i: From	08/20/22	to	09/16/22		Application Date:	09/15/22
A	В	С	D	E	F	G	н	
Item No.	Description	Scheduled Value (\$)	Work Co (D + E) From Previous Application (\$)	mpleted This Period (\$)	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) (\$)
71	A,V,PS - Stainless Steel at Structure	\$35,000.00					0%	35,000.00
72	Ladders, Grating, Stop Log Channel	\$45,000.00					0%	45,000.00
73	Control Building Underground Utilities	\$25,000.00					0%	25,000.00
74	Control Building Foundations	\$45,000.00					0%	45,000.00
75	Control Building SOG	\$30,000.00					0%	30,000.00
76	Control Building Trusses, Framing, Sheathing	\$30,000.00					0%	30,000.00
77	Control Building Roofing, Gutter, Sheetmetal	\$35,000.00	*				0%	35,000.00
78	Control Building Doors, Misc.	\$20,000.00					0%	20,000.00
79	Control Building Equipment Pads	\$12,000.00					0%	12,000.00
80	A,V,PS, Inflate Deflate Stainless at Control Building	\$75,000.00					0%	75,000.00
81	ISG - In Tunnel Installation	\$155,000.00					0%	
82	ISG - Factory Startup	\$75,000.00					0%	75,000.00
83	Sluice Gates Install	\$25,000.00					0%	25,000.00
84	Sluice Gates Factory Startup	\$10,000.00					0%	
85	Carbon Based Odor Control - Pad, Set, Complete Piping	\$55,000.00					0%	
86	Ductbank Excavation	\$35,000.00					0%	
87	Beaconsfield Pavement & Sidewalk Replacement - Site	\$95,000.00					0%	
88	Perm Fencing	\$15,000.00					0%	15,000.00
89	Site Pavers	\$40,000.00					0%	40,000.00
90	Restoration and Landscaping	\$25,000.00					0%	25,000.00
	Gaukler Site						Thirties	
91	Gaukler - Clear Site & Traffic Control	\$5,000.00	2,500.00			2,500.00	50%	2,500.00
92	Gaukler - SESC	\$5,000.00	2,500.00			2,500.00	50%	2,500.00
93	Gaukler - Temp Protection (Temp Fence, Protect Shaft)	\$20,000.00	15,000.00			15,000.00	75%	5,000.00
94	Gaukler - Shaft Egress and Setup	\$25,000.00	25,000.00			25,000.00	100%	-
95	Gaukler - Hand Excavate to Top of Pipe	\$45,000.00	45,000.00			45,000.00	100%	
96	Gaukler - Concrete Collar	\$20,000.00	20,000.00			20,000.00	100%	
97	Gaukler - Stack Precast Risers	\$35,000.00	-				0%	35,000.00
98	Gaukler - Odor Control - Pad, Set, Complete Piping	\$40,000.00					0%	40,000.00
99	Gaukler - Perm. Fence	\$8,000.00	*				0%	
100	Gaukler - Pavers	\$35,000.00	(6)				0%	35,000.00
101	Gaukler - Site Restoration	\$10,000.00	17				0%	10,000.00
Energy Essay Int	Malvern Site							
102	Malvern - Traffic Control & Fencing	\$10,000.00					0%	10,000.00
103	Malvern - Concrete Removal	\$20,000.00	741				0%	20,000.00
104	Malvern - Excavate & Set Vault	\$25,000.00					0%	25,000.00
105	Malvern - Site Work - DIP	\$25,000.00	-				0%	25,000.00
106	Malvern - DIP - Inside Vault	\$35,000.00					0%	35,000.00

Contractor's Application for Payment

Owner: Macomb County Public Works WWS-2021-0006 Owner's Project No.: Engineer: Tetra Tetra Engineer's Project No.: 200-16347-19001 Contractor: Weiss Construction Contractor's Project No.: 2022-01 Project: 8-1/2 Mile Relief Drain DD - In System Storage

Contract: WWS-2021-006

Application No.:	6 Application Period	: From	08/20/22	to	09/16/22		Application Date:	09/15/22
A	В	C	D	E	F	G	Н	1
N = 2 st			Work Completed					
Item No.	Description	Scheduled Value (\$)	(D + E) From Previous Application (\$)	This Period (\$)	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) (\$)
107	Malvern - Galv. Vent w Rope	\$20,000.00	-			-	0%	20,000.00
108	Malvern - Concrete Replacement	\$45,000.00					0%	45,000.00
109	Malvern - Site Restoration	\$5,000.00					0%	5,000.00
A Lateral	Rohrscheib Sons Caissons							
110	RSC - Kelly Mobe	\$15,000.00	15,000.00			15,000.00	100%	
111	RSC - Kelly Casing	\$20,500.00	20,500.00			20,500.00	100%	
112	RSC - Kelly Shaft	\$11,500.00	11,500.00			11,500.00	100%	
113	RSC - Gaukler Mobe	\$15,000.00	15,000.00			15,000.00	100%	
114	RSC - Gaukier Casing	\$29,000.00	29,000.00			29,000.00	100%	
115	RSC - Gaukler Shaft	\$15,000.00	15,000.00			15,000.00	100%	
116	RSC - Beasconsfield Soldiers Mobe	\$25,000.00	-	12,500.00		12,500.00	50%	12,500.00
117	RSC - Beaconsfield Soldiers	\$187,000.00		65,450.00		65,450.00	35%	121,550.00
118	RSC - Beaconsfield Control Building Cages	\$12,500.00			9,874.61	9,874.61	79%	2,625.39
119	RSC - Beaconsfield Control Building Caisson Foundations	\$26,500.00	-				0%	26,500.00
***	Misc Subs					United States		
120	Mason - Control Building	\$60,000.00	*				0%	60,000.00
121	Paint - Signature	\$16,600.00	-				0%	16,600.00
122	HVAC	\$55,000.00					0%	55,000.00
Representation	Rotor Electric							
124	Rotor - BF- Mobe	\$14,500.00					0%	14,500.00
125	Pole to Service & 10-CP-01	\$20,000.00					0%	20,000.00
126	Distribution Equipment	\$50,000.00	V				0%	50,000.00
127	Generator	\$70,000.00	*			,	0%	70,000.00
128	ATS to 10-CP-01	\$12,000.00					0%	12,000.00
129	Feeder to Hydraulic Power Pack	\$2,300.00					0%	2,300.00
130	Hydraulic CP to 10-CP-01	\$18,000.00	*				0%	18,000.00
131	Feeder to Inflatable Dam CP	\$16,000.00					0%	16,000.00
132	Blowers and Vacuum Pump	\$19,000.00	14				0%	19,000.00
133	Gate Structure	\$68,000.00					0%	68,000.00
134	Rain Gauge	\$19,000.00					0%	19,000.00
135	AC-1	\$15,000.00					0%	15,000.00
136	Pressure Switch to AC-1	\$15,000.00	-				0%	15,000.00
137	Unit Heater UH-1	\$16,000.00					0%	16,000.00
138	SF-1, EF-1, Recepts.	\$20,000.00					0%	20,000.00
139	Lighting	\$25,000.00					0%	25,000.00
140	Door Limit Switches to 10-CP-01	\$4,000.00	14				0%	4,000.00
141	10-CP-01 to Security Panel	\$13,000.00	14				0%	13,000.00
142	LP to Security Panel	\$12,000.00	**				0%	12,000.00

WWS-2021-006

Contract:

Owner:	Macomb County Public Works	Owner's Project No.:	WWS-2021-0006
Engineer:	Tetra Tetra	Engineer's Project No.:	200-16347-19001
Contractor:	Weiss Construction	Contractor's Project No.:	2022-01
Project:	8-1/2 Mile Relief Drain DD - In System Storage		

Application No.:	6 Application Period:	From	08/20/22	to	09/16/22		Application Date:	09/15/22	
A	В	С	D	E	F	G	Н	Plant of the last	
			Work Completed		And I state of				
Item No.	Description	Scheduled Value (\$)	(D + E) From Previous Application (\$)	This Period (\$)	Materials Currently Stored (not in D or E) (\$)	The state of the s	% of Scheduled Value (G / C) (%)	Balance to Finish (C G) (\$)	
143	Eastlawn/Rosedale	\$6,600.00					0%	6,600.00	
144	Malvern	\$4,000.00					0%	4,000.00	
	Unit Price Work				departure and				
145	Unit Price Repair Type A - 50 lineal ft base bid	\$10,000.00					0%	10,000.00	
146	Unit Price Repair Type B - 150 square ft base bid	\$15,000.00				W.	0%	15,000.00	
147	Unit Price Repair Type C - 100 square ft base bid	\$10,000.00	-				0%	10,000.00	
	Owner Allowances				THE COMMO				
148	Electric Service Allowance	\$100,000.00	100,000.00			100,000.00	100%	-	
149	Flow Metering Allowance	\$150,000.00	-				0%	150,000.00	
150	Gas Service Allowance	\$10,000.00	-			*	0%	10,000.00	
151	Electric Integration Allowance	\$20,000.00	-				0%	20,000.00	
152	Permit Allowance	\$15,000.00	9,679.00			9,679.00	65%	5,321.00	
153	Software - SCADA Allowance	\$60,000.00				-	0%	60,000.00	
154	Water Services Allowance	\$10,000.00					0%	10,000.00	
	Original Contract Table	ća 572 200 00	A 1 500 040 11	A 255 052 22	A 0.071.51	A 4 700 4 7 7 7		\$ 7,893,033.25	
	Original Contract Totals	\$9,673,200.00	\$ 1,503,342.14	\$ 266,950.00	\$ 9,874.61	\$ 1,780,166.75	18%	\$ 7,893	

Contractor's Application for Payment

19% \$

Owner:	Macomb County Public Work	s					Owner's Project No.:		WWS-2021-0006
Engineer:	Tetra Tetra					_	Engineer's Project No.:		200-16347-19001
Contractor:	Weiss Construction					-	Contractor's Project No.:		2022-01
Project:	8-1/2 Mile Relief Drain DD - Ir	System Storage				-			
Contract:	WWS-2021-006					-			
Application No.:	6	Application Period:	From	08/20/22	to	09/16/22		: 09/15/22	
A	The same of the sa	В	С	D	E	F	G	н	
				Work C	ompleted			100	
Item No.	Desc	ription	Scheduled Value (\$)	(D + E) From Previous Application (\$)	This Period	Materials Currently Stored (not in D or E) (\$)	The state of the s	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) (\$)
			(7)	Change Orde		(4)	(4)	(74)	(*)
001 -1	CO 1 - CE 01 R3 - DTE and Eas	ements	\$190,864.90		108,910.48		108,910.48	57%	81,954.42
001 -2	CO 1 - CE 03 R1 - Floecksmuhl	e Escalation	\$123,500.00					0%	123,500.00
001 -3	CO 1 - CE 08 - PR-C - Gaulker (Changes	-\$35,686.93					0%	(35,686.93
001 -4	CO 1 - CE 05 - PR-B - Malvern	Changes	-\$9,011.48					0%	(9,011.48
									-
								No. of the last	
					-				
	-				1				
	+				+				
					-				-
	+				-				
	-				 				
	-				-				
	+						-		
		Change Order Totals	\$ 269,666.49	\$ -	\$ 108,910.48	\$ -	\$ 108,910.48	40%	\$ 160,756.01
		g	1 200,000,110		1 200,520.40		200,310.46	4076	7 100,730.01

9,942,866.49 \$ 1,503,342.14 \$

Project Totals \$

375,860.48 \$

9,874.61 \$

1,889,077.23

8,053,789.26

Progress Estimate - Unit Price Work Contractor's Application for Payment Owner: Macomb County Public Works WWS-2021-0006 Owner's Project No.: Engineer: Tetra Tetra 200-16347-19001 Engineer's Project No.: Contractor: Weiss Construction Contractor's Project No.: 2022-01 Project: 8-1/2 Mile Relief Drain DD - In System Storage Contract: WWS-2021-006 Application No.: **Application Period:** From 08/20/22 09/16/22 to Application Date: 09/15/22 A C Contract Information Work Completed **Work Completed** % of Estimated Value of Work and Materials Value of Value of Bid Item Quantity Completed to Date Materials Currently Stored to Date Balance to Finish (F Item Bid Item Unit Price (CXE) Incorporated in (EXG) Stored (not in G) (H + 1)(1/F) -1) No. Item Quantity Description Units (\$) (\$) the Work (\$) (\$) (\$) (\$) (%) Original Contract Unit Price Repair Type A - 50 lineal ft base bid 50.00 In ft Unit Price Repair Type B - 150 square ft base bid 150.00 sq ft Unit Price Repair Type C - 100 square ft base bid 150.00 sq ft Original Contract Totals \$ \$ \$

Progress Estimate - Unit Price Work Contractor's Application for Payment Owner: Macomb County Public Works WWS-2021-0006 Owner's Project No.: 200-16347-19001 Engineer: Tetra Tetra Engineer's Project No.: Contractor: Weiss Construction Contractor's Project No.: 2022-01 Project: 8-1/2 Mile Relief Drain DD - In System Storage Contract: WWS-2021-006 Application No.: 08/20/22 09/16/22 **Application Period:** From to **Application Date:** 09/15/22 A Contract Information Work Completed **Work Completed** % of Estimated Value of Work and Materials Value of Value of Bid Item Completed to Date Materials Currently Quantity Stored to Date Balance to Finish (F Item **Bid Item Unit Price** (CXE) Incorporated in (EXG) Stored (not in G) (H+I)(J / F) - 1) Item Quantity No. Description Units (\$) the Work (\$) (\$) (\$) (\$) (%) Change Orders -Change Order Totals \$ \$ - 5 - \$ \$ **Original Contract and Change Orders**

Project Totals \$

\$

- \$

\$

Stored Materials Summary Contractor's Application for Payment

 Owner:
 Macomb County Public Works
 Owner's Project No.:
 WWS-2021-0006

 Engineer:
 Tetra Tetra
 Engineer's Project No.:
 200-16347-19001

 Contractor:
 Weiss Construction
 Engineer's Project No.:
 2022-01

 Project:
 8-1/2 Mille Relief Drain DD - In System Storage
 2022-01

Contract: WWS-2021-006

pplication No.:	6	-		Application Period:	From	08/20/22	to	09/16/22			Application Date:	09/15/22
A	В	C	D	E	F	G	н	1	J	К	L	M
			The state of the state of		1000		Materials Stored			Incorporated in Wor	k	
Item No. (Lump Sum Tab) or Bid Item No. (Unit Price Tab)	Supplier Invoice No.	Submittal No. (with Specification Section No.)	Description of Materials or Equipment Stored	Storage Location	Application No. When Materials Placed in Storage	Previous Amount Stored (\$)	Amount Stored this Period (\$)	Amount Stored to Date (G+H) (\$)	Amount Previously Incorporated in the Work (\$)	Amount Incorporated in the Work this Period (\$)	Total Amount Incorporated in the Work (J+K) (\$)	Materials Remaining in Storage (I-L) (\$)
112	41765	31 66 16 - 03	Permanent steel casing - Kelly	RSC Yard (New Hudson MI)	1	16,815.00		16,815.00	16,815.00		16,815.00	
114	41765	31 66 16 - 03	Permanent steel casing - Gaukler	RSC Yard (New Hudson MI)	1	23,895.00		23,895.00	23,895.00		23,895.00	
16	1446867		TERS Raw Steel 6/14/22 shipment	ONSITE - Beaconsfield	4	71,359.47		71,359.47				71,359,47
16	1446871		TERS Raw Steel 6/15/22 shipment	ONSITE - Beaconsfield	4	61,497.13		61,497.13			-	61,497.13
16	1449005		TERS Raw Steel 7/5/22 shipment	ONSITE - Beaconsfield	4	60,189.26		60,189.26				60,189.26
16	1449377		TERS Raw Steel 7/6/22 shipment	ONSITE - Beaconsfield	4	59,496.19		59,496.19				59,496.19
16	1455427		TERS Raw Steel 8/5/22 shipment	ONSITE - Beaconsfield	5	3,621.38		3,621.38				3,621.38
16	1455428		TERS Raw Steel 8/5/22 shipment	ONSITE - Beaconsfield	5	63,084.44		63,084.44				63,084.44
16	1455647		TERS Raw Steel 8/8/22 shipment	ONSITE - Beaconsfield	5	63,084.44		63,084.44				63,084.44
28	423744		Hardwood Lagging 8/1/22 shipment -1 load	Weiss Yard (Milford MI)	5	1,971.60		1,971.60				
28	420741		Hardwood Lagging 8/2/22 shipment - 2 loads	Weiss Yard (Milford MI)	5	25,359.23		25,359.23				25,359.23
118	123877	31 66 16 - 02.2	Control Building Pier Cages	ONSITE - Beaconsfield	6		8,887.55	8,887.55				8,887.55
118	123876	31 66 16 - 02.2	Control Building Pier Cages	ONSITE - Beaconsfield	6		987.06	987.06				987.00
16			TERS Raw Steel 8/4/22 shipment	ONSITE - Beaconsfield								
28			Hardwood Lagging 8/16/22 shipment - 2 loads	Weiss Yard (Milford MI)								
15		03 20 00	Reinforcing Steel	ONSITE - Beaconsfield								
					Totals	\$ 450,373.14	\$ 9,874.61	\$ 460,247.75	\$ 40,710.00	\$ -	\$ 40,710.00	\$ 417,566.15

CONTRACTOR'S DECLARATION

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

Project Name:	In System Storage							
Contract No.:	WWS-2021-006							
Contract Date:	1/6/2022							
Contractor:	Weiss Construction Co. LLC							
Owner:	8 1/2 Mile Relief Drain Drainage District							
Certification Pe	riod (From the Date of the Contract to the Date of this Declaration)							
	8/31/2022							
material, sustai otherwise done agents, in addi thereto) execut	that I have not, during the above noted certification period, performed any work, furnished any ned any loss, damage or delay for any reason, including soil conditions encountered or created, or anything for which I shall ask, demand, sue for, or claim compensation from the Owner or its ition to the regular items set forth in the above noted Contract (and executed Change Orders and between the Contractor and the Owner, except as the Contractor hereby claim for additional and/or extension of time as described in previously submitted claim letters to the Owner dated:							
☐ (Contra	X Attached Summary, Dated 8/31/2022							
	inter to direct time box in the dulin lotters are submitted to date)							
	CONTRACTOR							
	Name: Zachary Zechmeister (Print Name) Title: Project Manager							
	Date: <u>8/31/2022</u>							

END OF SECTION 00 61 13.1



Date of Log

Weiss Construction Co. LLC 8.5 Mile Relief Drain Drainage District In-System Storage Change Event Log

Event Number	Date Initiated	Description	ROM Estimate	Entity	Sub Quote Name	Sub Cost	s	Total Cost	Date Firm Quote	Status (Accepted, Pending, Rejected, Etc)	CO/CCD Number	Comments/Notes
1 1 1	-A	TE Changes to facilitate continuction, including clearance to OH elec- usualting DTE final design (multiple revisions) and any easement issu- meline is not established and letter of potential delay dated 4/25/2/	25	DFE Rotor Weiss True Church Mir	nistries		\$ \$ \$	102,910.48 40,125.83 41,828.59 6,000.00		Final DTE costs in hand and approved via email. Weiss cutting checks Additional 6,000 to True Church Ministries in process	OWNER CO 1 - 9/15/2022	Above Owner Allowanc
2 2 2		taivern—Gaukler—SCS Bldg Dept Changer—PR-A hanges to underground and visible portion of work. PR-A issued 4.21	-2022	Weiss TBD			ş	335,766.06		Rejected and Tetra-Tech/Macomb working on revised Planned credit to delete tank and small process/concrete change WOID	96	VOID VOID
3 3 3	-4	oeckumuhle Escalation etter sent 4/13/2022, Tetra Tech has rejected proposed extra cost 4 esponse letter sent to Tetra Tech-Macomb on 5/16/2022	/18/2022	Weiss Floecksmuhle	La di		S	123,500.00		Proposed cost accepted 6/30/2022	OWNER CO 1 - 9/15/2023	
4 4 4	RF	Fl 002 - Waterstop at Concrete Collars (Kelly/Gaukler)		Weiss			s	436.04		Quoted. Initial review is denied.		
5 5 5	6/20/2022 PF	R-B - Malvern Vent Changes		Weiss	Signature	\$ (80	00.00) \$	(9,011.48)	8/31/202		OWNER CO 1 - 9/15/2022	
6 6 6	7/18/2022 RF	FI 10 - Hatch Spec - SHOULD BE ZERO COST		Weiss								
8 8	7/22/2022 PR	-C Gaukler Carbon Can Delete		Weiss			s	(35,686.93)	8/25/202		OWNER CO 1 - 9/15/2022	
9	7/15/2022 RF	107 - Gate Access Openings		Nucor Harris		\$ 83	50.00 \$	1,036.15	8/31/202			

9/20/2022

SWORN STATEMENT FOR CONTRACTOR

Date: 9/20/2022

									inv.#	WC2	2-01-06
STATE OF:	Michigan										
	Michigan	+									
COUNTY OF:	Oakland	-									
Zach Zechmeister	(deponent) being swo	ern, stat	es the following:								
Weiss Construction	is the (contractor)for	an imp	rovement to the fo	llowi	ng described real	prop	erty in				
Macomb	County, MI, described	as folio	ows:	81	/2 Mile Relief D	rain l	n-System Stora	ge Device	es		
The following is a statemen payment for whom paymen contract <u>WWS-2021-0006</u> .	nt of wages or fringe be and the amounts due a	nefits a	nd withholdings is date of this staten	due b	out unpaid, with v re correctly and	whom	the Contractor h et forth opposite	as subco their nar	ntracted for mes:	perform	nance under the
Name of Subcontractor, Laborer or Materialman (A)	Type of Improvement Furnished (B)		Total Contract Amount (C)		Amount Previously Paid (D)		Amount Invoiced Not Yet Paid (E)	Ci	nount of urrent olication (F)	Inclu	ice To Complet ding Retention (C-D-E-F)
Rohrscheib Sons	Drilled Shaft/Soldier Piles	\$	357,000.00	\$	36,639.00	5	58,761.00	ş		s	320,361.00
Rotor Electric	Electrial	s	450,594.00								
SME, Inc.	Soil Testing	5	22,875.50	\$	2,637.50					-	
Shamrock Fence Co.	Fencing Confined Space	s	29,675,00							-	
Elite Techincal Services	Services	\$	10,000.00	\$	1,160.00						
Live Oak Tree Company	Tree Removal	\$	6,800.00	\$	6,800.00					-	
Signature Contracting	Painting	\$	16,600.00	_	_					-	
State Barricades	Traffic Control	5	23,950.00	5	12,179.70	\$	5,365.80			1	
	TOTALS	s	917,494.50	5	59,416.20	s	64,126.80	\$	-	s	320,361.00
Contractor has attached sw and materials, including equ the improvement other than I make this statement, as th possibility of, of any kind, ex	uipment and fixtures of n the sums set forth abo e Contractor, to represe	all kind ove. ent to th	ds done, performe he Owner and its a	d or fi	irnished with, an	y per:	son other than th	ose set fo	orth above a	nd owes	no money for
9/20/2022		Zach	Zechmeister/Proj	ect Ma						_	
(Date)					(Depor	ient)					
WARNING TO DEPONENT: PURPOSE OF OBTAINING P LIEN ACT, 1980 PA 497, MC Kelly Kolarov Oakland	AYMENT IS SUBJECT T	O CRIM									
My Commission Expires:	5/2/2024										
Acting in the County of:	Oakland										

KELLY KOLAROV
Notary Public, State of Michigan
County of Oakland
My Commission Expires 05-02-2024
Acting in the County of

STORED MATERIAL BACKUP



6666 Bay Road Saginaw, MI, 48604 (989) 790-8001 Phone: Fax:

(989) 790-8015

Invo	ice#	1:	23877		
Taken By	Invoice	Invoice Date			
kr	9/16/202	2	123877		
PO Numb	PO Number				
MACOMB		181525			

Ship To:

8.5 MILE RELIEF DRAIN

21939 BEACONSFIELD AVENUE EASTPOINTE, MI 48021

Customer No. 200301

> Remit To: HYMMCO, LLC. 6666 Bay Road Saginaw, MI 48604

Bill To: Rohrscheib Sons Caissons Inc.

PO BOX 236 56085 GRAND RIVER AV NEW HUDSON, MI 48165

US

Ship To	Job Number	MDOT#	Ship Point	Ship Via	Shipped	Terms
H2088	МАСОМВ			НҮМ	Sep 16, 22	N30

	H2088		MACOMB		HYN	A S	Sep 16, 22	N30
Qty. Ord.	Qty. Shp.	Qty. B/O	Item Number	Description	Unit Price	UOM	Extend	ed Price
1,353 6,733	1,353 6,733		R04600 R07600 TYING	REBAR #4 GR 60 (13) REBAR #7 GR 60 (22) Tying Fee - Labor Charge to pre-tie (9) rebar cages		LB LB		3,010.64
1	1	0	DrwG Due Date Oct 16, 2022	ILLUSTRATION DRAWINGS SENT W/ SHIPMENTS Amount Due 8,887.55	Lump Sum	EA Amo un		8,554.8
Omme HYMM BL#1a	ICO Job		8-Rel.1-(9) Rebar Cages - CAGES	Tax summary: MI 332.66	Subtotal Total sales ta Total amount Less paymer			8,554.89 332.66 8,887.55

A 3% merchant fee will be added to all credit card transactions

Amount due

8,887.55

RSC - STORED MATERIAL BACKUP



8.5 MILE RELIEF DRAIN

EASTPOINTE, MI 48021

21939 BEACONSFIELD AVENUE

Ship

To:

6666 Bay Road Saginaw, MI, 48604 Phone: (989) 790-8001 Fax: (989) 790-8015

Customer No. 200301

Invo	1:	23876		
Taken By	Invoice	Invoice Date		
kr	9/16/202	22	123876	
PO Numbe	Or	Order Number		
MACOMB			181526	

Remit To: HYMMCO, LLC. 6666 Bay Road Saginaw, MI 48604

Rohrscheib Sons Caissons Inc. PO BOX 236 56085 GRAND RIVER AV NEW HUDSON, MI 48165 Bill To:

	Ship To Job Number		Job Number		MDOT#	Ship Poir	t Ship	Via	Shipped Terms		
	H2088		МАСОМВ				НҮ	М	Sep 16, 22	N30	
Qty. Ord.	Qty. Shp.	Qty. B/O	Item Number		Description		Unit Price	UOM	Extende	ed Price	
150 748	150 748		R04600 R07600 TYING Due Date Oct 16, 2022	REE	BAR #4 GR 60 (13) BAR #7 GR 60 (22) Ing Fee - Labor harge to pre-tie (1) rebar cage Amount Due 987.06	L	ump Sum	LB LB		334.36 615.75	
ommen					Tax summary:		Subtotal Total sales ta	ix		950.11 36.95	
3L#1b	CO JOB Job Cor OF 1 R	mplete	8-Rel.2-(1) Rebar Cage - CAGE			L	otal amount ess paymer ess pmt. dis	it		987.06 0.00 0.00	
20/	orchar	nt fee v	vill be added to all credit		d transactions		mount due			987.06	



PAGE	CUSTOMER NUMBER	DATE	INVOICE NUMBER	AMOUNT DUE
1 OF 1	71708280	9/22/2022	31398915	169.99

PLEASE SHOW INVOICE NUMBER AND DATE
ON REMITTANCE, AND SEND TO:

LINDE GAS & EQUIPMENT INC.
DEPT CH 10660
PALATINE IL 60055-0660
Tel# 800-266-4369

P MACOMB COUNTY
PUBLICS WORKS
21777 DUNHAM RD
CLINTON TOWNSHIP MI 48036-1005

P MACOMB COUNTY
PUBLICS WORKS
3 23001 9 MILE RD
SAINT CLAIR SHORES MI 48080

AMOUNT ENCLOSED	,	

71708280 31398915100000169991

PLEASE DETACH A	ND RETURN TOP PORTION WITH PAYMENT
QUESTIONS:	
PLEASE REFER INQUIRIES REGARDING THIS INVOICE TO:	Please note the format of
LINDE GAS & EQUIPMENT INC.	information to help you ma
CUSTOMER SERVICE 46025 N GRATIOT AVE	If you wish to receive the d
MACOMB MI 48042-5511 Tel# 586-598-9020	Pay your hill online at usus

COMMENTS:

Please note the format of your invoice has changed and now includes more information to help you manage your Linde account.

If you wish to receive the document electronically in the future, please contact us.

Pay your bill online at www.lindedirect.com/billpay or call 1-800-266-4369.

RENTAL	DETAIL AND DESCRIPTION	TERMS	3:	•	Ne	et 30 Day	s		PAYMENT DUE: 10/22/2022			
ITEM NUMBER	ITEM DESCRIPTION	BEG BAL	CYL SHIP	CYL RETN	END BAL	OFFSET	ТҮР	SUBJECT TO RENT	UNIT PRICE		AMOUNT	TA Y/I
INVOICE NUMBER: 31398915	CUSTOMER: 71708280 DATE: 9/22/2022											
CUSTOMER PO / RELEASE PERIOD .	8/20/2022 TO 9/20/2022 SHIP TO ACCOUNT: 75264803CYLINDER RENT SUMMARY											
RNTU130	INDUSTRIAL ACETYLENE	2			2		R2	62	0,	5040	31,25	N
RNTU210	IND HIGH PRESSURE < 100CF	1			1		R2	31	0.	5040	15,62	N
RNTU230	IND HIGH PRESSURE > 100CF	3			3		R2	93		0.85	79.05	
UMZGOVM1	SAFETY & ENVIRONMENTAL SERV FE		1				EA			31.48	31.48	
UMZPCTM2	CYL TRACKING SERVICE FEE		1				EA		ו	2.59 	12,59	N
	-CYLINDER BALANCE DETAIL-	1					1			'1		
U130												
AC 4-MT	ACETYLENE A-145 ACE 100-150 CF A-LINE	2			2							
U210								•		1 1	ĺ	
AR STAR-QS-MT	STARGON-STARGOLD Q STEEL CYL-80 CF	1			1					į		
U230										į		
ох к-мт	OXYGEN K STEEL CYL 190-289 CF	3			3					-		
						•					,	
											·	
ACCOUNTS PAST DUE WILL BE CHARGI A SERVICE CHARGE THE GREATER OF OR A FINANCE CHARGE OF 1.5% PER	 PAYMENT RECEIVED WITHOUT INVOICE APPLICATION IN STATE OF THE STATE OF THE APPLIED AT ANY TIME AF FOLLOWING PAYMENT RECEIPT. 	TER THE N	INS WILL INSTIETH	IBAY [SUBT	OTAL	CAT	TRUOMA	IX.	you	TRUCOMAE	<u></u>
MONTH (18% ANNUAL RATE) OF THE DUTSTANDING BALANCE, UNLESS DTHERWISE SPECIFIED IN THE CONTRACT.					169	.99		0.00	USD	\$	169	.99

HEAR FROM YOU WITHIN 10 DAYS OF THIS INVOICE DATE, THEN WE WILL CONSIDER YOUR PHYSICAL CYLINDER BY ANCES TO AGREE WITH OUR RECORDS, AND OUR RECORDS ARE BINDING, WE WILL BILL YOU FOR LOSS AND LOSS OF USE AT CURRENT VALUES FOR CYLINDERS NOT RETURNED OR DAMAGED. SAVE YOUR RETURNED CYLINDER RECEIPTS. IF YOU HAVE A SIGNED CONTRACT WITH US AND THAT CONTRACT DIFFERS, THEN THE SIGNED CONTRACT GOVERNS.

8 71708280 70018 70722 N 317

	2022			REMAINING	
DESCRIPTION	FINAL BUDGET	ENCUMBERED	ACTUAL	BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Interest Earned	30,000		50,781	(20,781)	169.3%
Other Revenue	4,000		3,447	553	86.2%
8.5 O&M/Charge Required Revenue	4,748,520		4,748,520	-	100.0%
PY Revenue-Fund Balance	3,840,000			3,840,000	0.0%
Use of SCADA Reserve	147,950		21,382	126,568	14.5%
Total Revenue Accounts	8,770,470	=	4,824,130	3,946,340	55.0%
EXPENSE ACCOUNTS					
Application/Permit Fee	6,000		6,000	-	100.0%
Dues, Training, Conf, Subs.	10,380		6,005	4,375	57.9%
Engineering					
As needed Engineering	75,000		26,456	48,544	35.3%
9 Mile PS-const Admin/Const Mgr at risk	2,537,390		1,419,010	1,118,380	55.9%
Cost Share Army corp Grant-Green Infrastructure Project	162,500			162,500	0.0%
9 Mile Pump Station Design-Use of Capital Reserve	147,950			147,950	0.0%
9 Mile Bypass Structural Repairs-Construction/CA	730,590		324,790	405,800	44.5%
Chapaton Improvements-Lab Relocation ⁽¹⁾	-		24,331	(24,331)	100.0%
Canal Rehab(Using funds expected from EGLE)	-		216,942	(216,942)	100.0%
Pumping and screening improvements ⁽²⁾	-		80,256	(80,256)	100.0%
In-System Storage-Construction & Const Admin ⁽³⁾	2,250,000		1,690,049	559,951	75.1%
9 Mile Pump Station Design-Was Flushing ⁽⁴⁾	797,090		1,029,683	(232,593)	129.2%
New Equipment	28,590		26,686	1,904	93.3%
Office Supplies	500		432	68	86.4%
Operating Supplies	65,400		65,046	354	99.5%
Other Professional Srvcs	36,000		27,423	8,577	76.2%
Personnel Services	1,032,200		1,036,781	(4,581)	100.4%
Repair & Maintenance	197,000		207,906	(10,906)	105.5%
Contribution to Reserve	288,240		288,240	-	100.0%
Scada System	138,040		69,613	68,427	50.4%
Utilities	267,600		292,205	(24,605)	109.2%
Total Expense Accounts	8,770,470	-	6,837,857	1,932,613	78.0%

	O&M Balance		Total
	9/30/2021	O&M	9/30/2022 ⁽⁵⁾
Cash - Operating	12,229,091	(2,013,727)	10,215,364
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		4,824,130	4,824,130
Expenditures		6,837,857	6,837,857
			0
Equity*	12,229,091		10,215,364

Detail of 2021 Equity*

In-System Storage Design/Const Admin/Const	2,242,472	Capital Reserve	1,199,905
9 Mile Bypass Struct Rprs-Const/CA	635,989	SCADA Reserve	129,870
Disinfection system upgrade (Design and Construction)	14,255	LSCWWI 04B Transfer	738,112
Chapaton Improvements-Lab/Office Space ⁽¹⁾	237,749	Contribution from Macomb Cty	2,000,000
As-Needed Engineering	61,595	In System Contrib from SEMSD	1,000,000
Pave side road that goes to the basin deck	15,000	MEDC Grant-Design ISS (3)	373,355
Chlorine storage tank #3 relining	7,500	SRF Replacement Reserve	2,332,930
Firewall Hardware Design/Config	12,900	9 Mile Pump Station Design ⁽⁴⁾	1,130,932
Obsolete Wireless backhaul replacement links	16,120		
Fiber Optic Improvements	16,130		
SolarWinds - Network Management Software	9,670		
Pumping and screening improvements ⁽²⁾	54,608		