

EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
OCTOBER 18, 2021
10:15 A.M.
AGENDA

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

**Call in Number: 1-262-404-7425
Access Code: 306 814 485**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for October 18, 2021	
3. Approval of Minutes for September 13, 2021	3
4. Public Participation	
5. Project Updates – Vince Astorino	6
6. 8 ½ Mile Petitioned Improvements – Public Hearing & Final Apportionment Resolution – Brian Baker	10
Motion: To adopt the final order of apportionment resolution for the 8 ½ Mile petitioned projects.	
7. Consideration for approval of invoices (see attached)	23
8. Financial Report – Bruce Manning	131
9. Adjourn	

An adjourned meeting of the Intra-County Drainage Board for the **EIGHT AND ONE-HALF MILE RELIEF DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham Clinton Township, Michigan, and virtually per the State Public Act 254 of 2020, on September 13, 2021, at 10:09 A.M.

PRESENT: Brian Baker, Acting Chair
Veronica Klinefelt, Member
Bryan Santo, Member

ALSO PRESENT: Don VanSyckel, Macomb County Board of Commissioners; Stephen Downing, Construction & Maintenance Manager, Bruce Manning, Financial Manager, Vince Astorino, Operations & Flow Manager, Kellie Kource, Drain Account Specialist, Norb Franz, Communications Manager, Macomb County Public Works; Sydney Hilgendorf, Sterling Heights

The meeting was called to order by the Acting Chair, Brian Baker. A motion was made by Ms. Klinefelt, supported by Mr. Santo to approve the agenda as presented.

Adopted: YEAS: 3
NAYS: 0

Minutes of the meeting of August 9, 2021 were presented. A motion was made by Mr. Santo, supported by Ms. Klinefelt to approve the minutes as presented.

Adopted: YEAS: 3
NAYS: 0

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

Mr. Astorino updated the board that the wet weather event on August 12th was intense and we had to discharge 58.1 million gallons. All 3 pumps were used but we did not have to use the emergency bypass.

The Chapaton pump & screen project has a final minor change order and will be closed out.

The disinfection project and lab & mezzanine projects final walkthroughs have been completed with the little things being wrapped up and completed shortly.

The majority of structural repair project has been completed in the basin and they are moving into the 9 Mile drain. While it is in good shape overall, it will require a significant amount of work due to the age.

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

Adopted: YEAS: 3
NAYS: 0

Mr. Baker and Mr. Astorino reviewed the resolution for 8 ½ petitioned improvements that establish the area, who will be receiving the benefit, and tentative apportionments. The resolution also sets a hearing for October 18, 2021 to hear any objections. We plan to go out to bid on the project after that hearing.

A motion was made by Mr. Santo, supported by Ms. Klinefelt to adopt the resolution approving the plans and specifications for the 8 ½ Mile improvements, the tentative apportionment of costs, and setting of a public hearing on apportionment objections for October 18, 2021.

Adopted: YEAS: 3
NAYS: 0

Mr. Astorino updated the board that we are having the storm pump manufacturer send a technician out to inspect the pumps due to the amount of wear and tear they have sustained with the amount of wet weather events we have had in 2021. These pumps need to be operational, and ensure that they are in great condition.

A motion was made by Mr. Santo, supported by Ms. Klinefelt to approve the sole source quote of \$43,646 from Kerr Pump and Supply for the inspection of three Chapaton stormwater pumps.

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$328,907.34 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 Ms. Klinefelt, that the meeting of the Eight and One-Half Mile Relief Drain Board be adjourned.

Adopted: YEAS: 3
NAYS: 0

The meeting was adjourned at 10:42 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 taking by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on September 13, 2021 the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1975, including, in the case of a special or rescheduled meeting or a meeting secured for more than 36 hours, notice by posting at least 18 hours prior to the time set for the meeting.



Brian Baker, Acting Chair
Macomb County Public Works Commissioner

DATED: 9/13/21



Candice S. Miller

Public Works Commissioner
Macomb County

To: 8 ½ Mile Relief Drain Drainage District Board Members

CC: File

From: Vincent Astorino, Operations & Flow Manager

Date: October 18, 2021

Subject: Construction Projects Status Updates for the October 2021 Board Meeting

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

Wet Weather Operations

Wet Weather Event 1: September 22, 2021

Rainfall: 4.62 inches

Treated Discharge Volume: 104.1 MG

Water Quality Numbers: 11 cts / 100 ml geometric mean (Permit maximum is 300 cts/ml)

Description: This event was a long duration rain event which caused a treated discharge for approximately 37 hours. Rain intensity through the event was lower than previous events this year but the duration created a higher volume of treated discharge. Before the event, GLWA was issuing warnings that they might be experiencing power issues and put upstream communities on notice. During the event we did not have any issues with the downstream collection system but we were prepared to respond if required. The E. Coli numbers during the event were very good and well below permit requirements. There were no operational issues during this event

Chapaton Pump & Screen Project

Contractor: J.F. Cavanaugh

Engineering Consultant: HRC

Project Description:

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

Significant project tasks that have occurred over the past month:

1. Final change order is complete and this project is now essentially closed out minus their final invoice.

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount		\$1,162,522.00
Change Order #1	2/25/20	\$40,000.00
Change Order #2	2/26/20	(\$136,200.00)
Change Order #3	9/13/21	\$34,111.65
Revised Contract Amount		\$1,100,383.65
Total Spent to Date	1/19/21	\$986,628.00
Remaining Budget		\$113,755.65

Chapaton & Martin Disinfection Replacement Project

Contractor: Weiss Construction

Engineering Consultant: Wade Trim

Project Description:

This project consists of the complete replacement of the disinfection systems at Chapaton and Martin. Macomb County Public Works Office (MCPWO) staff identified that a critical capital improvement need for the Chapaton and Martin RTB's was the replacement of the disinfection systems. These are systems that were installed in approximately 1978 and have exceeded the

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

end of their useful life. MCPWO staff has worked diligently to keep the existing disinfection pumps in service as they are prone to failure and require expensive, difficult to obtain parts. The project involves all disinfection chemical feed pumps, new electrical controls and VFDs, and new disinfection and sample piping within the Chapaton RTB.

Significant project tasks that have occurred over the past month:

1. Completed miscellaneous punchlist items
2. Closed-out St. Clair Shores & EGLE permits

Construction Costs:

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

Chapaton Lab & Mezzanine Project

Contractor: Cross Construction

Engineering Consultant: Fishbeck

Project Description:

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

Significant project tasks that have occurred over the past month:

1. Performed miscellaneous punchlist items
2. Delivered close-out documents (as-builts, O&M manuals, warranties, etc.)
3. Executed final balancing Change Order and final Pay Application

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount		\$667,777.00
Change Order #1	03/31/21	\$4,508.19
Change Order #2	04/28/21	\$5,659.38
Change Order #3	10/06/21	(\$35,795.22)
Revised Contract Amount		\$642,149.35
Total Spent to Date	Pay Apps #1-10	\$642,149.35
Remaining Budget		\$0

Chapaton Basin and 9 Mile Drain Structural Repairs Project

Contractor: Pullman

Engineering Consultant: NTH

Project Description:

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

Significant project tasks that have occurred over the past month:

1. Completed concrete repairs within 9-Mile Drain
2. Began work in 8 ½ Mile Relief Drain at upstream end of tunnel in City of Eastpointe
3. Obtained quotes for additional work discovered during base scope repairs

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount		\$736,950.00
Total Spent to Date	Pay App #1-4	\$368,576.14
Remaining Budget		\$368,576.86



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

8 1/2 MILE DRAIN

FINAL APPORTIONMENT RESOLUTION

At a regular meeting of the 8 ½ Mile Drain Drainage Board, held at 21777 Dunham Road, Clinton Township, MI 48036 on the October 18, 2021 at 10:15 a.m.:

PRESENT: _____

ABSENT: _____

The following resolution was offered by _____

and supported by _____:

WHEREAS, the 8 ½ Mile Drain Drainage Board (“Drainage Board”) did, on September 13, 2021, tentatively apportion the cost of the Construction of Improvements to the 8 ½ Mile Drain as follows:

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

WHEREAS, after due and legal notice made in the manner proscribed by MCL 280.469, the Drainage Board has met on this day to hear any objections to the apportionments; and

WHEREAS, no objections were made to the tentative apportionments at this hearing duly held upon notice given as required by law.

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

1. The apportionment cost for the Construction of Improvements to the 8 ½ Mile Drain is hereby fixed and confirmed as follows:

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

2. The Chairperson of this Drainage Board is hereby authorized and directed to issue on behalf of this Drainage Board its Final Order of Apportionment setting forth the apportionments as confirmed herein.

3. All prior resolutions and parts of prior resolutions insofar as they conflict with the provisions of this resolution are hereby rescinded.

Yeas: _____

Nays: _____

RESOLUTION DECLARED ADOPTED.

I, the undersigned, the duly qualified and acting chair of the 8 ½ Mile Drain Drainage Board, do hereby certify that the foregoing is a true and complete copy of certain proceedings taken by the 8 ½ Mile Drain Drainage Board at a meeting held on October 18, 2021 and further certify that the above Resolution was adopted at said meeting.

Candice S. Miller
Chairperson of the Drainage Board

MACOMB DAILY

MONDAY, SEPTEMBER 20, 2021

THE MACOMB DAILY LOCAL NEWS

8 1/2 MILE DRAIN DRAINAGE DISTRICT 8 1/2 MILE DRAIN NOTICE OF PUBLIC HEARING

DATE: October 18, 2021

TIME: 10:00 a.m.

LOCATION: 21777 Dunham Road, Clinton Township, MI 48036

QUESTIONS: (586) 307-8210

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

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

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

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

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

Candice S. Miller
Candice S. Miller
Drainage Board Chairperson

MACOMB DAILY

TUESDAY, SEPTEMBER 21, 2021

THE MACOMB DAILY LOCAL NEWS

8 1/2 MILE DRAIN DRAINAGE DISTRICT 8 1/2 MILE DRAIN NOTICE OF PUBLIC HEARING

DATE: October 18, 2021

TIME: 10:00 a.m.

LOCATION: 21777 Dunham Road, Clinton Township, MI 48036

QUESTIONS: (586) 307-8210

PLEASE TAKE NOTICE that the cost of the Construction of Improvements to the 8 1/2 Mile Drain have been determined by the 8 1/2 Mile Drain Drainage Board ("Drainage Board") on September 13, 2021 to be tentatively apportioned as follows:

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

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

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

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

**Candice S. Miller
Candice S. Miller
Drainage Board Chairperson**

INTEROFFICE MEMORANDUM

Macomb County Public Works Office (MCPWO)

TO: 8 ½ Mile Relief Drain Drainage District

FROM: Eric Geerlings, Project Engineer, Tetra Tech

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

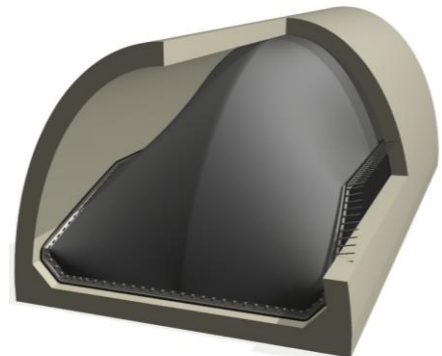
This memorandum has been compiled to provide a project summary and overall operation narrative.

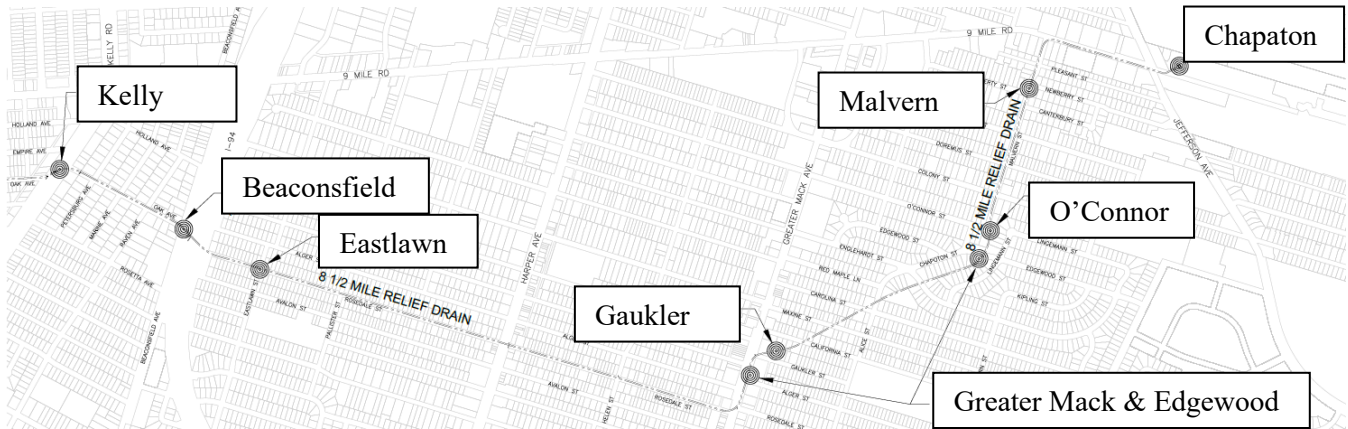
Project Summary:

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

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

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





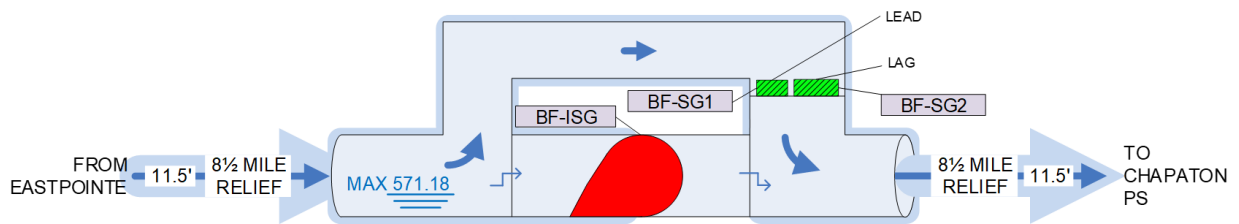
• **Individual Site Locations and Scope (from West to East)**

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

Detailed Operation Narrative

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

Equipment Positioning at Beaconsfield in Wet Weather - Steady State Mode



LEGEND

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

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

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

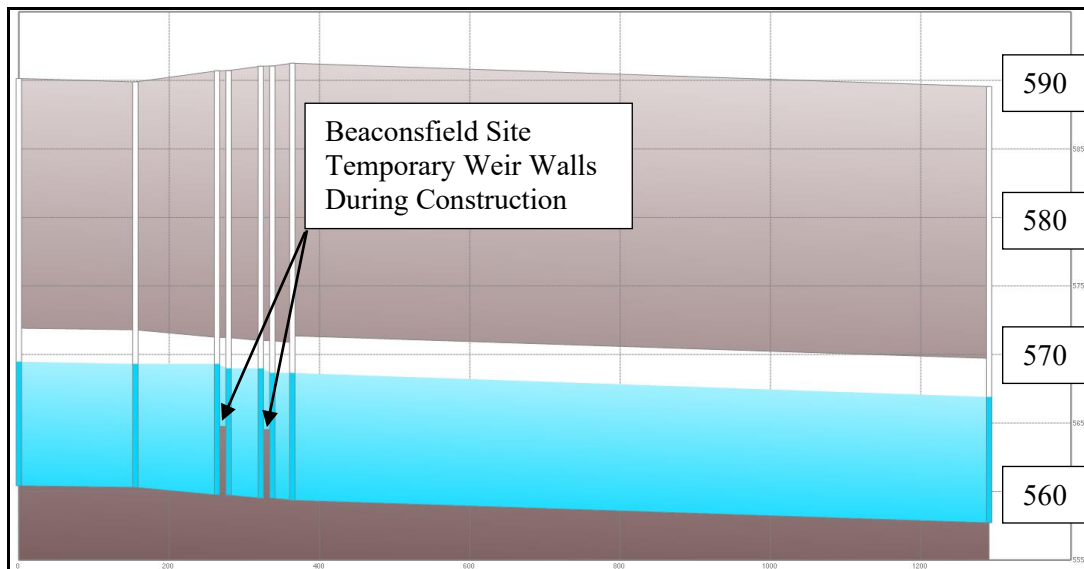
Answers to Specific Questions:

Why is a control building and generator required?

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

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

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



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

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

Eric Geerlings, PE
Project Engineer, Tetra Tech

OPINION OF PROBABLE CONSTRUCTION COST

TETRA TECH

710 Avis Drive, Ann Arbor, MI 48108

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

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

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

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

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

From: Eric Geerlings, P.E.

Date: September 8, 2021

Subject: 9 Mile Pump Station Project Summary and Operation Narrative

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

1.0 PROJECT BACKGROUND AND SCOPE SUMMARY

- **Project Background and Problem Statement**

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

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

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

- **Summary of Project Scope**

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

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

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

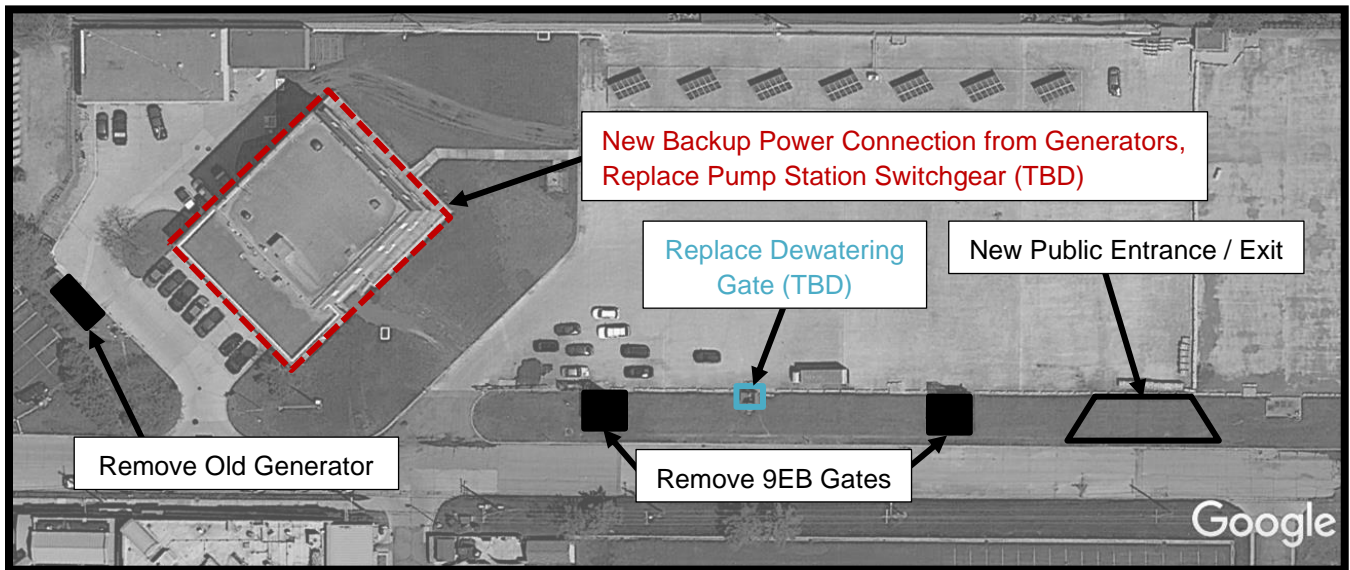


Figure 1-1. Western Facilities to be Installed or Modified in the 9 Mile Pump Station Project

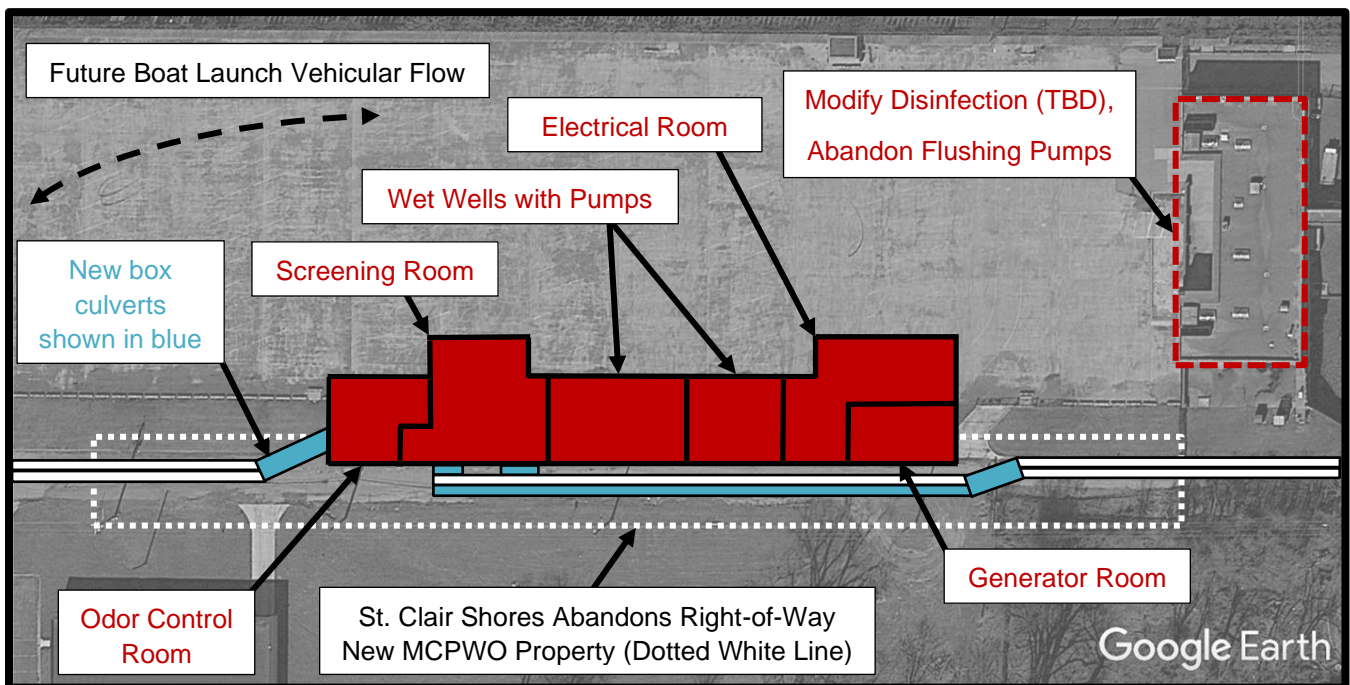


Figure 1-2. Eastern Facilities to be Installed or Modified in the 9 Mile Pump Station Project

2.0 OPERATIONS NARRATIVE

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

2.1 CAPABILITIES AND MODES OF OPERATION

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

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

3.0 ANSWERS TO SPECIFIC STAKEHOLDER QUESTIONS

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

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

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

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

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

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

Preliminary Opinion of Probable Project Cost

Fishbeck

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

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

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

Preliminary Opinion of Probable Project Cost

Fishbeck

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

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

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

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

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

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

<u>Funding Source</u>	<u>Apportionment</u>	<u>Manager</u>	<u>Vendor</u>	<u>Amount</u>	<u>Invoice Detail</u>	<u>Project Summary</u>	<u>Project Balance</u>
8 1/2 Mile Relief	Chapter 20 State of MI – 16.04% County of Macomb – 2.25% Dept. of Roads – 2.25% Eastpointe – 54.33% St. Clair Shores – 25.13%						
		Astorino	21st Century Media-Michigan	\$ 561.64	Invoice #2223875 - 9.21.21	Ad for October 18, 2021 Public Hearing	
		Astorino	CDW Government	\$ 1,800.69	Invoice #K598989 - 9.11.21	SCADA Switch	
		Astorino	City of St. Clair Shores Treasurer	\$ 1,311.76	Invoice #21-464 - 9.30.21	Monthly Utilities - 6.14.21 - 9.15.21	
		Astorino	Cross Construction Group	\$ 8,358.87	Invoice #WO19082 EST #10 - 10.5.21	Chapaton Lab & Mezzanine Renovation, Est #10	
		Astorino	DTE Energy	\$ 11,144.85	Invoice #RYPQH-XDN5M - 9.8.21	Monthly Electric - 8.9.21 - 9.8.21	
		Astorino	Fishbeck	\$ 13,207.00	Invoice #404089 - 9.9.21	RTB/9 Mile Sewer Rehab Project 9.3.21	\$ 99,801.09
		Astorino	JCI Jones Chemicals Inc.	\$ 4,567.04	Invoice #868438 - 9.29.21	Hypochlorite Solution	
		Astorino	Major Brand Oils	\$ 1,682.93	Invoice #0353604-IN - 9.22.21	Emerson Gear Oil - Pump Oil Changes	
		Downing	Marino's Landscape	\$ 1,445.00	Invoice #14912 - 8.31.21	Lawn Care August 2021	
		Downing	Marino's Landsape	\$ 1,156.00	Invoice #15568 - 9.30.21	Lawn Care September 2021	
		Astorino	Pullman SST, Inc.	\$ 219,702.64	Invoice #WO21008 EST #4 - 9.27.21	Chapaton Basin and 9 Mile Structural Repairs	\$ 327,420.95
		Astorino	PVS Nolwood Chemicals	\$ 5,917.54	Invoice #733853 - 9.24.21	Hypochlorite Solution	
		Astorino	Swan Analytical Instruments	\$ 1,496.40	Invoice #CD10000504 - 9.8.21	Reagent Sets	
		Astorino	Tetra Tech, Inc.	\$ 34,029.50	Invoice #51780476 - 9.3.21	In-System Storage Devices through 8.27.21	\$ 181,334.51
		Astorino	Tetra Tech, Inc.	\$ 67,650.17	Invoice #51780478 - 8.27.21	9 Mile Pump Station Design through 8.27.21	\$ 1,320,417.15
		Astorino	Tetra Tech, Inc.	\$ 51,072.91	Invoice #51799421 - 9.30.21	In-System Storage Devices - Design	\$ 130,261.60
Astorino	Tetra Tech, Inc.	\$ 40,622.08	Invoice #51799418 - 10.6.21	9 Mile Pump Station - Design	\$ 1,279,795.07		
Total				\$ 465,727.02			



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	9/28/21
4. SET ID		5. POST DATE
VP210928MA		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
21st Century Media - Michigan	V45959	10	2223875	9/21/2021	\$ 561.64

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL		18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)						
A	8200017M	90301	CC0033	90301	WO21021	8 1/2 Mile Relief		Acc #644893, Ad 2223875	\$ 561.64	GEN		
B												
C												
D												
E												
F												
G												

23. Total: \$ 561.64

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

SRF 5685-01

25. Finance Officer: BM/mh

26. Chief Deputy: _____

27. Engineers: _____

28. Managers: _____

29. Coordinator: _____

30. Drain: 8 1/2 Mile Relief

31. Project Balance: N/A

32. Staff Date: 10/12/2021

33. Board Date: 10/18/2021

34. Select For Pay Date: _____

W021021 (CC0033)
8 1/2 Mile

MediaNews Group

MICHIGAN GROUP

AFFIDAVIT OF PUBLICATION

2125 Butterfield Dr, Suite 102N • Troy MI 48084

MACOMB COUNTY PUBLIC WORKS
21777 DUNHAM ROAD

CLINTON TOWNSHIP, MI 48036
Attention: Madison Tanghe

STATE OF MICHIGAN,
COUNTY OF MACOMB

The undersigned Gandy Slater Gandy Slater, being duly sworn the he/she is the principal clerk of Macomb Daily, macombdaily.com, macombdaily.com2, published in the English language for the dissemination of local or transmitted news and intelligence of a general character, which are duly qualified newspapers, and the annexed hereto is a copy of certain order, notice, publication or advertisement of:

MACOMB COUNTY PUBLIC WORKS

Published in the following edition(s):

Macomb Daily	09/20/21
Macomb Daily	09/21/21
macombdaily.com	09/20/21
macombdaily.com	09/21/21
macombdaily.com2	09/20/21

VICKI ARSENAULT
NOTARY PUBLIC - STATE OF MICHIGAN
COUNTY OF OAKLAND
My Commission Expires May 11, 2026
Acting in the County of _____

Sworn to the subscribed before me this 24 Sept, 2021
Vicki Arsenault
Notary Public, State of Michigan
Acting in Oakland County

8 1/2 MILE DRAIN DRAINAGE DISTRICT 8 1/2 MILE DRAIN NOTICE OF PUBLIC HEARING

DATE: October 18, 2021
TIME: 10:00 a.m.
LOCATION: 21777 Dunham Road, Clinton Township, MI 48036
QUESTIONS: (586) 307-8210

PLEASE TAKE NOTICE that the cost of the Construction of Improvements to the 8 1/2 Mile Drain have been determined by the 8 1/2 Mile Drain Drainage Board ("Drainage Board") on September 13, 2021 to be tentatively apportioned as follows:

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

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

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

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

Candice S. Miller
Candice S. Miller
Drainage Board Chairperson

Advertisement Information

Client Id:	644893	Ad Id:	2223875	PO:		Total:	\$561.64
------------	--------	--------	---------	-----	--	--------	----------



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	9/20/21
4. SET ID		5. POST DATE
VP210922MA		

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
CDW GOVERNMENT	V00821	02	K598989	9/11/2021	\$ 4,801.86

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200166M	80146	CC0014	80146	WO18006	MIDDD	Cust #10022053, Fortinet	\$ 2,064.80	GEN		
B	8200166M	80146	CC0014	80146	WO20016	MIDDD (OMID)	Cust #10022053, Fortinet	\$ 336.13	GEN		0
C	8200017M	80146	CC0014	80146	WO18006	8 1/2 Mile Relief	Cust #10022053, Fortinet	\$ 1,800.69	GEN		0
D	8200072M	80146	CC0014	80146		Martin	Cust #10022053, Fortinet	\$ 360.14	GEN		0
E	8703018M	80146	CC0014	80146	WO18218	SEMCWWDS (BH)	Cust #10022053, Fortinet	\$ 120.05	GEN		0
F	8703018M	80146	CC0014	80146	WO18219	SEMCWWDS (V)	Cust #10022053, Fortinet	\$ 120.05	GEN		0
G											

23. Total: \$ 4,801.86

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: _____ Bm/mh</p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: _____ 8 1/2 Mile Relief</p> <p>31. Project Balance: _____ N/A</p> <p>32. Staff Date: _____ 10/12/2021</p> <p>33. Board Date: _____ 10/18/2021</p> <p>34. Select For Pay Date: _____</p>
---	---

REMIT PAYMENT TO:

INVOICE

ACH INFORMATION:

E-mail Remittance To: gachremittance@cdw.com

THE NORTHERN TRUST
50 SOUTH LASALLE STREET
CHICAGO, IL 60675

ROUTING NO.: 071000152
ACCOUNT NAME: CDW GOVERNMENT
ACCOUNT NO.: 91057



CDW Government
75 Remittance Drive, Suite 1515
Chicago, IL 60675-1515



RETURN SERVICE REQUESTED

INVOICE NUMBER	INVOICE DATE	CUSTOMER NUMBER
K598989	09/11/21	10022053
SUBTOTAL	SHIPPING	SALES TAX
\$4,801.86	\$0.00	\$0.00
DUE DATE		AMOUNT DUE
10/11/21		\$4,801.86

190 1 MB 0.485 E0174X I0282 D8088741372 S2 P8521058 0001:0001



CDW Government
75 Remittance Drive
Suite 1515
Chicago, IL 60675-1515



MACOMB COUNTY PUBLIC WORKS COMMISSI
ACCOUNTS PAYABLE
21777 DUNHAM RD
CLINTON TOWNSHIP MI 48036-1005

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT

INVOICE DATE	INVOICE NUMBER	PAYMENT TERMS			DUE DATE	
09/11/21	K598989	Net 30 Days			10/11/21	
ORDER DATE	SHIP VIA	PURCHASE ORDER NUMBER			CUSTOMER NUMBER	
09/08/21	DROP SHIP-GROUND	SCADA_FIREWALL_ALL			10022053	
ITEM NUMBER	DESCRIPTION	QTY ORD	QTY SHIP	QTY B/O	UNIT PRICE	TOTAL
5611789	FORTINET FORTIGATE 101F HW+1YR 24X7 Manufacturer Part Number: FG-101F-BDL-950-12 Serial No: FG101FTK20010234 Cost Center:SCADA	1	1	0	4,801.86	4,801.86

GO GREEN!

CDW is happy to announce that paperless billing is now available! If you would like to start receiving your invoices as an emailed PDF, please email CDW at paperlessbilling@cdw.com. Please include your Customer number or an Invoice number in your email for faster processing.

REDUCE PROCESSING COSTS AND ELIMINATE THE HASSLE OF PAPER CHECKS!

Begin transmitting your payments electronically via ACH using CDW's bank and remittance information located at the top of the attached payment coupon. Email credit@cdw.com with any questions.

ACCOUNT MANAGER	SHIPPING ADDRESS:	SUBTOTAL	AMOUNT
DAVE ENGMARK 312-705-8110 davieng@cdwg.com	CHAPATON PUMPING STATION ATTN:BRENT WESLER 23001 EAST 9 MILE RD ST. CLAIR SHORES MI 48080	\$4,801.86	
SALES ORDER NUMBER		SHIPPING	\$0.00
1C5W5YJ		SALES TAX	\$0.00
		AMOUNT DUE	\$4,801.86

Cage Code Number 1KH72
DUNS Number 02-615-7235

ISO 9001 and ISO 14001 Certified
CDW GOVERNMENT FEIN 36-4230110

HAVE QUESTIONS ABOUT YOUR ACCOUNT?
PLEASE EMAIL US AT credit@cdw.com
VISIT US ON THE INTERNET AT www.cdw.com



THE TERMS AND CONDITIONS ARE LIMITED TO THOSE CONTAINED HEREIN AND THE ADDITIONAL TERMS AND CONDITIONS CONTAINED IN THE "TERMS AND CONDITIONS" LINK AT WWW.CDW.COM INCORPORATED HEREIN BY REFERENCE. ANY TERMS NOT DEFINED HEREIN ARE DEFINED AT WWW.CDW.COM. ANY ADDITIONAL OR DIFFERENT TERMS OR CONDITIONS IN ANY FORM DELIVERED BY YOU ("CUSTOMER") ARE HEREBY DEEMED TO BE MATERIAL ALTERATIONS AND NOTICE OF OBJECTION TO THEM AND REJECTION OF THEM IS HEREBY GIVEN.

BY ACCEPTING DELIVERY OF THE PRODUCTS OR BY ENGAGING THE CDW AFFILIATE IDENTIFIED ON THE INVOICE, STATEMENT OF WORK OR OTHER CDW DOCUMENTATION ("SELLER") TO PROVIDE PRODUCT OR PERFORM OR PROCURE ANY SERVICES, CUSTOMER AGREES TO BE BOUND BY AND ACCEPTS THESE TERMS AND CONDITIONS UNLESS CUSTOMER AND SELLER HAVE SIGNED A SEPARATE AGREEMENT FOR THE PROVISION OF PRODUCT OR PERFORMANCE OF SERVICES, IN WHICH CASE THE SEPARATE AGREEMENT WILL GOVERN.

Important Information About These Terms and Conditions

These Terms and Conditions constitute a binding contract between Customer and Seller and are referred to herein as either "Terms and Conditions" or this "Agreement". Customer accepts these Terms and Conditions by making a purchase from or placing an order with Seller or shopping on Seller's Website (the "Site") or otherwise requesting products (the "Products") or engaging Seller to perform or procure any Services (as this and all capitalized terms are defined herein).

Customer may issue a purchase order for administrative purposes only. Additional or different terms and conditions contained in any such purchase order will be null and void. This Agreement including the terms contained in the "Terms and Conditions" link at www.cdw.com which Customer acknowledges and agrees are incorporated herein by reference contains the entire understanding of the parties with respect to the matters contained herein and supersedes and replaces in its entirety any and all prior communications and contemporaneous agreements and understandings, whether oral, written, electronic or implied, if any, between the parties with respect to the subject matter hereof.

Governing Law

THESE TERMS AND CONDITIONS, ANY STATEMENTS OF WORK, THE SERVICES HEREUNDER AND ANY SALE OF PRODUCTS HEREUNDER WILL BE GOVERNED BY THE LAWS OF THE STATE OF ILLINOIS, WITHOUT REGARD TO CONFLICTS OF LAWS RULES. ANY ARBITRATION, ENFORCEMENT OF AN ARBITRATION OR LITIGATION WILL BE BROUGHT EXCLUSIVELY IN COOK COUNTY, ILLINOIS, AND CUSTOMER CONSENTS TO THE JURISDICTION OF THE FEDERAL AND STATE COURTS LOCATED THEREIN. SUBMITS TO THE JURISDICTION THEREOF AND WAIVES THE RIGHT TO CHANGE VENUE. CUSTOMER FURTHER CONSENTS TO THE EXERCISE OF PERSONAL JURISDICTION BY ANY SUCH COURT WITH RESPECT TO ANY SUCH PROCEEDING. Except in the case of nonpayment, neither party may institute any action in any form arising out of these Terms and Conditions more than one (1) year after the cause of action has arisen. The rights and remedies provided Seller under these Terms and Conditions are cumulative, are in addition to, and do not limit or prejudice any other right or remedy available at law or in equity.

Title; Risk of Loss

If Customer provides Seller with Customer's carrier account number or selects a carrier other than a carrier that regularly ships for Seller, title to Products and risk of loss or damage during shipment pass from Seller to Customer upon delivery to the carrier (F.O.B. Origin, freight collect). For all other shipments, Seller will provide title to Products and risk of loss or damage during shipment pass from Seller to Customer upon delivery to the carrier (F.O.B. Destination, freight prepaid and added). Notwithstanding the foregoing, title to software will remain with the applicable licensor(s), and Customer's rights therein are contained in the license agreement between such licensor(s) and Customer. A purchase money security interest is retained in the Products to secure payment in full. Customer authorizes Seller to file a financing statement reflecting such security interest and, if requested, Customer will record such purchase money security interest on its books.

Payment

Orders are not binding upon Seller until accepted by Seller. Customer agrees to pay the total purchase price for the Products plus shipping (to the extent shipping is not prepaid by Customer), including shipping charges that are billed to Seller as a result of using Customer's carrier account number. Terms of payment are within Seller's sole discretion. In connection with Services being performed pursuant to a Statement of Work, Customer will pay for the Services in the amounts and in accordance with any payment schedule set forth in the applicable Statement of Work. If no payment schedule is provided, Customer will pay for the Services as invoiced by Seller. Invoices are due and payable within the time period specified on the invoice, measured from the date of invoice, subject to continuing credit approval by Seller. Seller, or any of its Affiliates on behalf of Seller may issue an invoice to Customer. Seller may invoice Customer separately for partial shipments, and Seller may invoice Customer for all of the Services described in a Statement of Work or any portion thereof. Customer agrees to pay interest on all past-due sums at the lower of one and one-half percent (1.5%) per month or the highest rate allowed by law. In the event of a payment default, Customer will be responsible for all of Seller's costs of collection, including, but not limited to, court costs, filing fees and attorneys' fees. In addition, if payments are not received as described above, Seller reserves the right to suspend Services until payment is received.

Export Sales

If this transaction involves an export of items (including, but not limited to commodities, software or technology), subject to the Export Administration Regulations, such items were exported from the United States by Seller in accordance with the Export Administration Regulations. Diversion contrary to United States law is prohibited.

Warranties

Customer understands that Seller is not the manufacturer of the Products purchased by Customer hereunder and the only warranties offered are those of the manufacturer, not Seller or its Affiliates. In purchasing the Products, Customer is relying on the manufacturer's specifications only and is not relying on any statements, specifications, photographs or other illustrations representing the Products that may be provided by Seller or its Affiliates. SELLER AND ITS AFFILIATES HEREBY EXPRESSLY DISCLAIM ALL WARRANTIES EITHER EXPRESS OR IMPLIED, RELATED TO PRODUCTS, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF TITLE, ACCURACY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WARRANTY OF NON-INFRINGEMENT, OR ANY WARRANTY RELATING TO THIRD PARTY SERVICES. THE DISCLAIMER CONTAINED IN THIS PARAGRAPH DOES NOT AFFECT THE TERMS OF ANY MANUFACTURER'S WARRANTY. Customer expressly waives any claim that it may have against Seller or its Affiliates based on any product liability or infringement or alleged infringement of any patent, copyright, trade secret or other intellectual property rights (each a "Claim") with respect to any Product and also waives any right to indemnification from Seller or its Affiliates against any such Claim made against Customer by a third party. Customer acknowledges that no employee of Seller or its Affiliates is authorized to make any representation or warranty on behalf of Seller or any of its Affiliates that is not in this Agreement.

Seller warrants that the Services will be performed in a good and workmanlike manner. Customer's sole and exclusive remedy and Seller's entire liability with respect to this warranty will be, at the sole option of Seller, to either (a) use its reasonable commercial efforts to reperform or cause to be reperformed any Services not in substantial compliance with this warranty or (b) refund amounts paid by Customer related to the portion of the Services not in substantial compliance; provided, in each case, Customer notifies Seller in writing within five (5) business days after performance of the applicable Services. EXCEPT AS SET FORTH HEREIN OR IN ANY STATEMENT OF WORK THAT EXPRESSLY AMENDS SELLER'S WARRANTY, AND SUBJECT TO APPLICABLE LAW, SELLER MAKES NO OTHER, AND EXPRESSLY DISCLAIMS ALL OTHER, REPRESENTATIONS, WARRANTIES, CONDITIONS OR COVENANTS, EITHER EXPRESS OR IMPLIED (INCLUDING WITHOUT LIMITATION, ANY EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, DURABILITY, TITLE, ACCURACY OR NON-INFRINGEMENT) ARISING OUT OF OR RELATED TO THE PERFORMANCE OR NON-PERFORMANCE OF THE SERVICES, INCLUDING BUT NOT LIMITED TO ANY WARRANTY RELATING TO THIRD PARTY SERVICES, ANY WARRANTY WITH RESPECT TO THE PERFORMANCE OF ANY HARDWARE OR SOFTWARE USED IN PERFORMING SERVICES AND ANY WARRANTY CONCERNING THE RESULTS TO BE OBTAINED FROM THE SERVICES. THIS DISCLAIMER AND EXCLUSION SHALL APPLY EVEN IF THE EXPRESS WARRANTY AND LIMITED REMEDY SET FORTH HEREIN FAILS OF ITS ESSENTIAL PURPOSE. CUSTOMER ACKNOWLEDGES THAT NO REPRESENTATIVE OF SELLER OR OF ITS AFFILIATES IS AUTHORIZED TO MAKE ANY REPRESENTATION OR WARRANTY ON BEHALF OF SELLER OR ANY OF ITS AFFILIATES THAT IS NOT IN THIS AGREEMENT OR IN A STATEMENT OF WORK EXPRESSLY AMENDING SELLER'S WARRANTY.

Customer shall be solely responsible for daily back-up and other protection of its data and software against loss, damage or corruption. Customer shall be solely responsible for reconstructing data (including but not limited to data located on disk files and memories) and software that may be lost, damaged or corrupted during the performance of Services. SELLER, ITS AFFILIATES, AND ITS AND THEIR SUPPLIERS, SUBCONTRACTORS AND AGENTS ARE HEREBY RELEASED AND SHALL CONTINUE TO BE RELEASED FROM ALL LIABILITY IN CONNECTION WITH THE LOSS, DAMAGE OR CORRUPTION OF DATA AND SOFTWARE, AND CUSTOMER ASSUMES ALL RISK OF LOSS, DAMAGE OR CORRUPTION OF DATA AND SOFTWARE IN ANY WAY RELATED TO OR RESULTING FROM THE SERVICES.

Seller will not be responsible for and no liability shall result to Seller or any of its Affiliates for any delays in delivery or in performance which result from any circumstances beyond Seller's reasonable control, including, but not limited to, Product unavailability, carrier delays, delays due to fire, severe weather conditions, failure of power, labor problems, acts of war, terrorism, embargo, acts of God or acts or laws of any government or agency. Any shipping dates or completion dates provided by Seller or any purported deadlines contained in a Statement of Work or any other document are estimates only.

Pricing Information; Availability Disclaimer

Seller reserves the right to make adjustments to pricing, Products and Service offerings for reasons including, but not limited to, changing market conditions, Product discontinuation, Product unavailability, manufacturer price changes, supplier price changes and errors in advertisements. All orders are subject to Product availability and the availability of Personnel to perform the Services. Therefore, Seller cannot guarantee that it will be able to fulfill Customer's orders. If Services are being performed on a time and materials basis, any estimates provided by Seller are for planning purposes only.

Credits

Any credit issued by Seller to Customer for any reason must be used within two (2) years from the date that the credit was issued and may only be used for future purchases of Products and/or Services. Any credit or portion thereof not used within the two (2) year period will automatically expire.

Limitation of Liability

UNDER NO CIRCUMSTANCES AND NOTWITHSTANDING THE FAILURE OF ESSENTIAL PURPOSE OF ANY REMEDY SET FORTH HEREIN, WILL SELLER, ITS AFFILIATES OR ITS OR THEIR SUPPLIERS, SUBCONTRACTORS OR AGENTS BE LIABLE FOR: (A) ANY INCIDENTAL, INDIRECT, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS, REVENUES OR SAVINGS, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITIES OF SUCH DAMAGES OR IF SUCH DAMAGES ARE OTHERWISE FORESEEABLE, IN EACH CASE, WHETHER A CLAIM FOR ANY SUCH LIABILITY IS PREMISED UPON BREACH OF CONTRACT, WARRANTY, NEGLIGENCE, STRICT LIABILITY OR OTHER THEORY OF LIABILITY; (B) ANY CLAIMS, DEMANDS OR ACTIONS AGAINST CUSTOMER BY ANY THIRD PARTY; (C) ANY LOSS OR CLAIM ARISING OUT OF OR IN CONNECTION WITH CUSTOMER'S IMPLEMENTATION OF ANY CONCLUSIONS OR RECOMMENDATIONS BY SELLER OR ITS AFFILIATES BASED ON, RESULTING FROM, ARISING OUT OF OR OTHERWISE RELATED TO THE PRODUCTS OR SERVICES; OR (D) ANY UNAVAILABILITY OF THE PRODUCT FOR USE OR ANY LOST, DAMAGED OR CORRUPTED DATA OR SOFTWARE. IN THE EVENT OF ANY LIABILITY INCURRED BY SELLER OR ANY OF ITS AFFILIATES, THE ENTIRE LIABILITY OF SELLER AND ITS AFFILIATES FOR DAMAGES FROM ANY CAUSE WHATSOEVER WILL NOT EXCEED THE LESSER OF: (A) THE DOLLAR AMOUNT PAID BY CUSTOMER FOR THE PRODUCT(S) GIVING RISE TO THE CLAIM OR THE SPECIFIC SERVICES GIVING RISE TO THE CLAIM; OR (B) \$50,000.00.

Confidential Information

Each party anticipates that it may be necessary to provide access to information of a confidential nature of such party, the Affiliates or a third party (hereinafter referred to as "Confidential Information") to the other party in the performance of this Agreement and any Statement of Work. "Confidential Information" means any information or data in oral, electronic or written form which the receiving party knows or has reason to know is proprietary or confidential and which is disclosed by a party in connection with this Agreement or which the receiving party may have access to in connection with this Agreement, including but not limited to the terms and conditions of each Statement of Work. Confidential Information will not include information which: (a) becomes known to the public through no act of the receiving party; (b) was known to the receiving party, or becomes known to the receiving party from a third party having the right to disclose it and having no obligation of confidentiality to the disclosing party with respect to the applicable information; or (c) is independently developed by agents, employees or subcontractors of the receiving party who have not had access to such information. To the extent practicable, Confidential Information should be clearly identified or labeled as such by the disclosing party at the time of disclosure or as promptly thereafter as possible, however, failure to so identify or label such Confidential Information will not be evidence that such information is not confidential or protectable.

Each party agrees to hold the other party's Confidential Information confidential for a period of three (3) years following the date of disclosure and to do so in a manner at least as protective as it holds its own Confidential Information of like kind but to use no less than a reasonable degree of care. Disclosures of the other party's Confidential Information will be restricted (i) to those individuals who are participating in the performance of this Agreement or the applicable Statement of Work and need to know such Confidential Information for purposes of providing or receiving the Products or Services or otherwise in connection with this Agreement or the applicable Statement of Work, or (ii) to its business, legal and financial advisors, each on a confidential basis. Each party agrees not to use any Confidential Information of the other party for any purpose other than the business purposes contemplated by this Agreement and the applicable Statement of Work. Upon the written request of a party, the other party will either return or certify the destruction of the Confidential Information of the other party.

If a receiving party is required by law, rule or regulation, or requested in any judicial or administrative proceeding or by any governmental or regulatory authority, to disclose Confidential Information of the other party, the receiving party will give the disclosing party prompt notice of such request so that the disclosing party may seek an appropriate protective order or similar protective measure and will use reasonable efforts to obtain confidential treatment of the Confidential Information so disclosed.

Return Privileges

To obtain Seller's return policy, Customer should contact CDW Customer Relations at 866.SVC.4CDW or email at CustomerRelations@cdw.com. Customer must notify CDW Customer Relations of any damaged Products within ten (10) days of receipt.

Arbitration

Any claim, dispute, or controversy (whether in contract, tort or otherwise, whether preexisting, present or future, and including, but not limited to, statutory, common law, intentional tort and equitable claims) arising from or relating to the Products, the Services, the interpretation or application of these Terms and Conditions or any Statement of Work or the breach, termination or validity thereof, the relationships which result from these Terms and Conditions or any Statement of Work (including, to the full extent permitted by applicable law, relationships with third parties who are not signatories hereto), or Seller's or any of its Affiliates' advertising or marketing (collectively, a "Claim") WILL BE RESOLVED, UPON THE ELECTION OF ANY OF SELLER, CUSTOMER OR THE THIRD PARTIES INVOLVED, EXCLUSIVELY AND FINALLY BY BINDING ARBITRATION. If arbitration is chosen, it will be conducted pursuant to the Rules of the American Arbitration Association. If arbitration is chosen by any party with respect to a Claim, neither Seller nor Customer will have the right to litigate that Claim in court or to have a jury trial on that Claim or to engage in pre-arbitration discovery, except as provided for in the applicable arbitration rules or by agreement of the parties involved. Further, Customer will not have the right to participate as a representative or member of any class of claimants pertaining to any Claim. Notwithstanding any choice of law provision included in these Terms and Conditions, this arbitration agreement is subject to the Federal Arbitration Act (9 U.S.C. §§ 1-16). The arbitration will take place exclusively in Chicago, Illinois. Any court having jurisdiction may enter judgment on the award rendered by the arbitrator(s). Each party involved will bear its own cost of any legal representation, discovery or research required to complete arbitration. The existence or results of any arbitration will be treated as confidential. Notwithstanding anything to the contrary contained herein, all matters pertaining to the collection of amounts due to Seller arising out of the Products or Services will be exclusively litigated in court rather than through arbitration.

Miscellaneous

Seller may assign or subcontract all or any portion of its rights or obligations with respect to the sale of Products or the performance of Services or assign the right to receive payments, without Customer's consent. Customer may not assign these Terms and Conditions, or any of its rights or obligations herein without the prior written consent of Seller. Subject to the restrictions in assignment contained herein, these Terms and Conditions will be binding on and inure to the benefit of the parties hereto and their successors and assigns. No provision of this Agreement or any Statement of Work will be deemed waived, amended or modified by either party unless such waiver, amendment or modification is in writing and signed by both parties. The relationship between Seller and Customer is that of independent contractors and not that of employer/employee, partnership or joint venture. If any term or condition of this Agreement or a Statement of Work is found by a court of competent jurisdiction to be invalid, illegal or otherwise unenforceable, the same shall not affect the other terms or conditions hereof or thereof or the whole of this Agreement or the applicable Statement of Work. Notices provided under this Agreement will be given in writing and deemed received upon the earlier of actual receipt or three (3) days after mailing if mailed postage prepaid by regular mail or airmail or one (1) day after such notice is sent by courier or facsimile transmission. Any delay or failure by either party to exercise any right or remedy will not constitute a waiver of that party to thereafter enforce such rights.

Version Date: 02/23/2010



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 10/4/21
4. SET ID VP211004MUA		5. POST DATE 9/30/21

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
City of St. Clair Shores Treasurer	V00928	01	21-464	9/30/2021	\$ 1,311.76

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	92103	CC0004	92103	WO18006	8 1/2 MILE RELIEF	AC#23287-00, 6/14-9/15	\$ 1,311.76	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **1,311.76**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/mh</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 MILE RELIEF</u> 31. Project Balance: <u>N/A</u> 32. Staff Date: <u>10/12/2021</u> 33. Board Date: <u>10/18/2021</u> 34. Select For Pay Date: _____
---	--



St. Clair Shores Water Bill

ACCOUNT NUMBER

23287-00

SERVICE ADDRESS

23001 NINE MILE

SERVICE TYPE

Government

PREVIOUS READ

1750

775

CURRENT READ

1811 A

791 A

CONSUMPTION

61

16

FROM: SERVICE PERIOD TO:

06/14/21

09/15/21

06/11/21

09/15/21

DUE DATE

10/21/2021

PAY AFTER DUE DATE

1377.35

PAY BY DUE DATE

1311.76

PREVIOUS BALANCE

0.00

Water

436.90

Sewer

504.97

Customer Chrg

369.40

Retention Basins O&M

0.49

Storm Water Refund

0.00

CURRENT BALANCE

1311.76

MONTHLY BUDGET

21.464

Temp-Return Service Requested

8294 1 AB 0.461

8294-8294-20



MACOMB COUNTY PUBLIC WORKS

21777 DUNHAM RD

CLINTON TWP MI 48036-1005

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

Water rate: \$5.674/unit

Sewer rate: \$6.558/unit

Total rate: \$12.232

One unit = 748 gallons



City of
St. Clair
Shores

27600 Jefferson Ave.
St. Clair Shores, MI 48081

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.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

10/21/2021

Pay After Due Date

1377.35

PAY BY DUE DATE

1311.76

Service Address

23001 NINE MILE

City of St. Clair Shores

27600 Jefferson Ave

Saint Clair Shores MI 48081-2075

Account Number

23287-00



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)

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.



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	10/8/21
4. SET ID	5. POST DATE	
V P 211008MA	9/30/21	

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Cross Construction Group	V081148	01	WO19082 EST #10	10/5/2021	\$ 8,358.87

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	21100	CC0004	21100	WO19082	8 1/2 Mile Relief	Chap Lab & Mezzanine, Est #10	\$ 6,401.92	GEN		
B	8200017M	80126	CC0004	80126	WO19082	8 1/2 Mile Relief	Chap Lab & Mezzanine, Est #10	\$ 1,956.95	GEN		0
C											
D											
E											
F											
G											

23. Total: \$ 8,358.87

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	BM/mh	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	\$0.00
27. Engineers:		32. Staff Date:	10/12/2021
28. Managers:		33. Board Date:	10/18/2021
29. Coordinator:		34. Select For Pay Date:	

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

WORK ORDER NUMBER WO19082

PROJECT NUMBER WWS-2020-010

PROJECT NAME Chapaton Lab Relocation & Mezzaine Renovation

DRAINAGE DISTRICT 8 1/2 Mile Relief Drain Drainage District

CONTRACTOR NAME Cross Construction Group

INVOICE DATE 10/5/2021

INVOICE START DATE 9/1/2021

INVOICE END DATE 10/5/2021

ORIGINAL CONTRACT AMOUNT			\$ 667,777.00
CHANGE ORDER TOTAL			\$ (25,627.65)
Change Order No. 1	Date Executed:	3/31/2021	\$ 4,508.19
Change Order No. 2	Date Executed:	4/28/2021	\$ 5,659.38
Change Order No. 3	Date Executed:	10/6/2021	\$ (35,795.22)
TOTAL REVISED CONTRACT AMOUNT			\$ 642,149.35
(includes all approved change orders only)			
TOTAL AMOUNT PREVIOUSLY INVOICED			\$ 633,790.48
TOTAL AMOUNT DUE THIS INVOICE			\$ 8,358.87
TOTAL BUDGET REMAINING			\$ -
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)			

Contractor's Application for Payment

Owner:	<u>8 1/2 Mile Relief Drain Drainage District</u>	Owner's Project No.:	<u>WWS-2020-010</u>
Engineer:	<u>Fishbeck</u>	Engineer's Project No.:	<u>191498</u>
Contractor:	<u>Cross Construction Group</u>	Contractor's Project No.:	<u>BH-724</u>
Project:	<u>Chapaton Pump Station Lab Relocation & Mezzanine Renovation</u>		
Contract:	<u>Chapaton Pump Station Lab Relocation & Mezzanine Renovation</u>		
Application No.:	<u>010</u>	Application Date:	<u>10/5/2021</u>
Application Period:	<u>From 9/1/2021</u>	to	<u>10/5/2021</u>


1. Original Contract Price	\$ 667,777.00
2. Net change by Change Orders	\$ (25,627.65)
3. Current Contract Price (Line 1 + Line 2)	\$ 642,149.35
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	\$ 642,149.35
5. Retainage	
a. <u>0%</u> X \$ <u>642,149.35</u> Work Completed	\$ -
b. <u>0%</u> X \$ - Stored Materials	\$ -
c. Total Retainage (Line 5.a + Line 5.b)	\$ -
6. Amount eligible to date (Line 4 - Line 5.c)	\$ 642,149.35
7. Less previous payments (Line 6 from prior application)	\$ 633,790.48
8. Amount due this application	\$ 8,358.87
9. Balance to finish, including retainage (Line 3 - Line 4)	\$ -

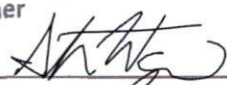
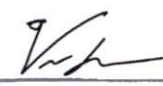
Contractor's Certification

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

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

Contractor: Cross Construction Group

Signature:  **Date:** 10/5/2021

Recommended by Engineer		Approved by Owner	
By:	<u>N/A</u>	By:	
Title:	<u></u>	Title:	<u>Engineer II</u>
Date:	<u></u>	Date:	<u>10/07/2021</u>
Approved by Funding Agency			
By:	<u>N/A</u>	By:	
Title:	<u></u>	Title:	<u>Operations & Flow Manager</u>
Date:	<u></u>	Date:	<u>10/07/2021</u>

640192 (21100)
195695 (80126)

Progress Estimate - Lump Sum Work

Contractor's Application for Payment

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

Application No.: 010		Application Period: From 09/01/21 to 10/05/21		Application Date: 10/05/21				
A	B	C	D	E	F	G	H	I
Item No.	Description	Scheduled Value (\$)	Work Completed		Materials Currently Stored (not in D or E) (\$)	Work Completed and Materials Stored to Date (D + E + F) (\$)	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) (\$)
			(D + E) From Previous Application (\$)	This Period (\$)				
Original Contract								
1	Bonds	\$10,000.00	10,000.00	-	-	10,000.00	100%	-
2	Insurance	\$4,000.00	4,000.00	-	-	4,000.00	100%	-
3	Project Management	\$15,000.00	15,000.00	-	-	15,000.00	100%	-
4	Site Supervision	\$30,000.00	30,000.00	-	-	30,000.00	100%	-
5	Dumpsters	\$3,500.00	3,500.00	-	-	3,500.00	100%	-
6	Submittals	\$10,000.00	10,000.00	-	-	10,000.00	100%	-
7	Demolition	\$10,000.00	10,000.00	-	-	10,000.00	100%	-
8	Metal Stud Framing	\$4,000.00	4,000.00	-	-	4,000.00	100%	-
9	Doors & Hardware	\$2,000.00	2,000.00	-	-	2,000.00	100%	-
10	Gyp Board & FRP	\$2,500.00	2,500.00	-	-	2,500.00	100%	-
11	Ceiling Installation	\$1,500.00	1,500.00	-	-	1,500.00	100%	-
12	Painting	\$2,000.00	2,000.00	-	-	2,000.00	100%	-
13	Flooring	\$8,000.00	8,000.00	-	-	8,000.00	100%	-
14	Lab Casework	\$24,000.00	24,000.00	-	-	24,000.00	100%	-
15	Mechanical	\$20,000.00	20,000.00	-	-	20,000.00	100%	-
16	Electrical	\$8,000.00	8,000.00	-	-	8,000.00	100%	-
17	Plumbing	\$10,000.00	10,000.00	-	-	10,000.00	100%	-
18	Demolition & Abatement	\$30,000.00	30,000.00	-	-	30,000.00	100%	-
19	Concrete	\$3,000.00	3,000.00	-	-	3,000.00	100%	-
20	Masonry	\$8,000.00	8,000.00	-	-	8,000.00	100%	-
21	Structural Steel	\$17,000.00	17,000.00	-	-	17,000.00	100%	-
22	Metal Stud Framing	\$30,000.00	30,000.00	-	-	30,000.00	100%	-
23	Millwork Installation	\$22,000.00	22,000.00	-	-	22,000.00	100%	-
24	Glazing Installation	\$13,000.00	13,000.00	-	-	13,000.00	100%	-
25	Doors & Hardware	\$10,000.00	9,000.00	1,000.00	-	10,000.00	100%	-
26	Gyp Board & FRP	\$20,000.00	20,000.00	-	-	20,000.00	100%	-
27	Painting	\$7,500.00	7,500.00	-	-	7,500.00	100%	-
28	Ceiling Installation	\$2,000.00	2,000.00	-	-	2,000.00	100%	-
29	Lockers	\$4,000.00	4,000.00	-	-	4,000.00	100%	-
30	Kitchen Appliance Install	\$1,500.00	1,500.00	-	-	1,500.00	100%	-
31	Bathroom Accessories	\$2,500.00	2,500.00	-	-	2,500.00	100%	-
32	Visual Display Boards	\$2,000.00	2,000.00	-	-	2,000.00	100%	-
33	Corner Guard Installation	\$2,000.00	2,000.00	-	-	2,000.00	100%	-
34	Flooring	\$19,547.00	19,547.00	-	-	19,547.00	100%	-
35	Tile Installation	\$3,000.00	3,000.00	-	-	3,000.00	100%	-

Progress Estimate - Lump Sum Work

Contractor's Application for Payment

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

Application No.: 010 Application Period: From 09/01/21 to 10/05/21 Application Date: 10/05/21

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

CONTRACTOR'S AFFIDAVIT
(To be submitted as part of Final Application for Payment)

The undersigned Contractor, Cross Construction Group hereby represents that on December 8th, 2020, The Contractor was awarded a Contract by, 8 1/2 Mile Relief Drain Drainage District hereinafter called the Owner, to construct Chapaton Pump Station Lab Relocation & Mezzanine Renovation in accordance with the terms and conditions of Contract No. WWS-2020-010; and the undersigned further represents that the subject Work has now been accomplished and the said Contract has now been completed.

The undersigned hereby warrants and certifies that all of (Contractor's) indebtedness arising by reason of the said Contract has been fully paid or satisfactorily secured; and that all claims from Subcontractors and others for labor and material used in accomplishing the said Project, as well as all other claims arising from the performance of the said Contract, have been fully paid or satisfactorily settled. The undersigned further agrees that, if any such claim should hereafter arise, (Contractor) shall assume responsibility for the same immediately upon request to do so by the Owner.

The undersigned, for the Final Adjusted Contract Amount of \$ 642,149.35, which is hereby requested, does further hereby waive, release, and relinquish any and all claims or right of lien which the undersigned now has or may hereafter acquire upon the subject premises for labor and material used in accomplishing said Project, or upon the Owner, the Engineers, and its respective employees or agents.

This affidavit is freely and voluntarily given with the full knowledge of the facts, on this 5 day of October 2021.

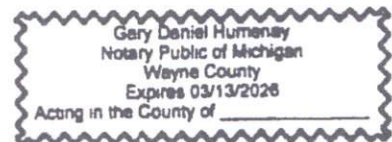
CONTRACTOR

By: [Signature]
(Authorized Signature)

Name: Blair Ademan
(Print Name)

Title: CFO

Subscribed and sworn to before me, a Notary Public
in and for Wayne County, Mi. State
on this 5th day of October, 2021.



[Signature]
Notary Public

My Commission Expires: 3-13-2026

END OF SECTION 00 61 13.20

FINAL UNCONDITIONAL WAIVER OF LIEN

(To be submitted by the Contractor for all Sub-Contractors and Suppliers with the Contractor's Final Application for Progress Payment)

To All Whom It May Concern:

WHEREAS, the undersigned has been engaged by (A) 8 1/2 Mile Relief Drain Drainage District to furnish labor and materials for (B)

Interior Renovations
work, under a contract (C) Chapaton Pump Station Lab Relocation and Mezzanine Renovation for the improvement at the project described as (D) see above

in the City of St. Clair Shores, County of Macomb, State of Michigan, of which 8 1/2 Mile Relief Drain Drainage District is the Owner.

NOW, THEREFORE, this 5th day of October, 2021, for and in consideration of the sum of (E) 8,358.87 Dollars paid simultaneously herewith, the receipt whereof is hereby acknowledged by the undersigned, the undersigned does hereby waive and release any lien rights to, or claim of lien with respect to and on said above-described project, and the improvements thereon, and on the monies or other considerations due or to become due from the owner, on account of labor, services, material, fixtures, apparatus or machinery heretofore or which may hereafter be furnished by the undersigned to or for the above-described project by virtue of said contract.

(F) Cross Construction Group (SEAL)
(Name of the sole ownership, corporation or partnership)

(Affix corporate seal here)

[Signature] (SEAL)
(Signature)

TITLE: CFO

INSTRUCTIONS FOR PARTIAL WAIVER

- (A) Name person or firm with whom you agreed to furnish either labor, or services, or materials, or both.
- (B) Fill in nature and extent of work; strike the word labor or the word materials if not in your contract.
- (C) If you have more than one contract on the same premises, describe the contract by number if available, date and extent of work.
- (D) Furnish an accurate enough description of the improvement, and location of the project so that it can be distinguished from any other Contract.
- (E) Amount shown should be the amount actually received on that date.
- (F) If waiver is for the corporation, corporate name should be used, corporate seal affixed and title of officer signing waiver should be set forth; if waiver is for a partnership, the partnership name should be used, partner should sign and designate himself as partner.

END OF SECTION 00 65 20


NOTICE OF ACCEPTABILITY OF WORK

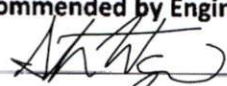


Owner: 8 1/2 Mile Relief Drain Drainage District Owner's Project No.: WWS-2020-010
Engineer: Fishbeck Engineer's Project No.: 191498
Contractor: Cross Construction Group Contractor's Project No.: BH-724
Project: Chapaton Lab Relocation & Mezzanine Renovation
Contract Name: Chapaton Lab Relocation & Mezzanine Renovation
Notice Date: 10/07/2021 Effective Date of the Construction Contract: 12/08/2020

The Owner (performing the typical duties of the Engineer) hereby recommends final payment be made to Contractor, and that the Work furnished and performed by Contractor under the Construction Contract is acceptable, expressly subject to the provisions of the Construction Contract's Contract Documents ("Contract Documents") and of the Agreement between Owner and Engineer for Professional Services dated **November 14, 2019** ("Owner-Engineer Agreement"). This Notice of Acceptability of Work (Notice) is made expressly subject to the following terms and conditions to which all who receive and rely on said Notice agree:

1. This Notice has been prepared with the skill and care ordinarily used by members of the engineering profession practicing under similar conditions at the same time and in the same locality.
2. This Notice reflects and is an expression of the Engineer's professional opinion.
3. This Notice has been prepared to the best of Engineer's knowledge, information, and belief as of the Notice Date.
- ~~4. This Notice is based on the scope of services Engineer has been employed by Owner to perform or furnish during construction of the Project (including observation of the Contractor's Work) under the Owner-Engineer Agreement, and applies only to facts that are within Engineer's knowledge or could reasonably have been ascertained by Engineer as a result of carrying out the responsibilities assigned to Engineer under such Owner-Engineer Agreement.~~
5. This Notice is not a guarantee or warranty of Contractor's performance under the Construction Contract, an acceptance of Work that is not in accordance with the Contract Documents, including but not limited to defective Work discovered after final inspection, nor an assumption of responsibility for any failure of Contractor to furnish and perform the Work thereunder in accordance with the Contract Documents, or to otherwise comply with the Contract Documents or the terms of any special guarantees specified therein.
6. This Notice does not relieve Contractor of any surviving obligations under the Construction Contract, and is subject to Owner's reservations of rights with respect to completion and final payment.

Engineer

By (signature): 
Name (printed): Steven Wagner
Title: Engineer II - MCPWO

	Recommended by Engineer	Authorized by Contractor
By (signature):		
Name & Title:	Steve Wagner, Engineer II	Tyler Wilson
Date:	10/06/2021	10/6/21
	Authorized by Owner	Approved by Funding Agency
By (signature):		
Name & Title:	Brian Baker, Chief Deputy	
Date:	10/7/2021	



34133 Schoolcraft Road
 Livonia, MI 48150
 Office: (734) 286-2244
 Fax: (734) 943-6212

Change Order Proposal

10

Project No. : <u>BH-724</u>	Project Name: <u>Chapaton Lab & Mezzanine</u>
Project Owner: <u>Macomb County</u>	Architect/Engineer: <u>Fishbeck</u>
Project Address: <u>23001 E. 9 Mile Rd.</u>	Address: <u>1515 Arboretum Dr. SE</u>
City/State/Zip: <u>St. Clair Shores, MI, 48080</u>	City/State/Zip: <u>Grand Rapids, MI 49546</u>

DESCRIPTION OF CHANGE	Increase/Decrease Amount
Prep for electrical areas	\$850.00
Bonding - 2%	\$17.00
OHP - 10%	\$85.17
Total Add (Deduct)	\$952.17

For This Change Add To Contract Time: 0 Days

This Change Order is an amendment to the Contract Agreement between Contractor and the Owner, and all contract provisions shall apply unless specifically exempted. The amount and time change designated are the maximum agreed to by both the Owner and the Contractor for this change. In consideration of the foregoing adjustments in contract time and contract sum, the Contractor hereby releases Owner from all claims, demands or causes of action arising out of the transactions, events and occurrences giving rise to this Change Order. This written Change Order is the entire agreement between Owner and Contractor with respect to this Change Order. No other agreements or modifications shall apply to this contract amendment unless expressly provided herein.

Approval

Cross Renovation

Print : _____

Signature : _____

Date : _____

Macomb County

Print : _____

Signature : _____

Date : _____

Omega Floors, Inc
 35370 Union Lake Rd
 Harrison Twp, MI 48045
 586-218-6800

Proposal #: OM010428
 Sale Date: 05/04/2021
 Install Date:
 Sales Rep: Becker, K
 Sales Rep:

SOLD TO

Cross Renovation, prep between electrical ditches
 34133 Schoolcraft Rd
 Livonia (48150) MI 48150
 (734) 286-2244

SHIPPED TO

Printed 05/04/21 12:39:53

Chapaton Pump Station Lab
 23001 E 9 Mile Rd
 St Clair Shores MI 48080

MATERIALS

QUANTITY	PRICE	TOTAL
Materials Subtotal:		\$0.00

LABOR

(1) Prep --, ** **

QUANTITY	PRICE	TOTAL
1.00 Each	\$850.00	\$850.00
Labor SubTotal:		\$850.00

Required PPE: hard hat, safety glasses, hi Vis, work boots,
 gloves, covid mask.

- Does not include demo, moisture testing, scarify, glue removal.

Subtotal:	\$850.00
Misc:	\$0.00
Total:	\$850.00
Payments:	
Balance:	\$850.00



34133 Schoolcraft Road
 Livonia, MI 48150
 Office: (734) 286-2244
 Fax: (734) 943-6212

Change Order Proposal

11

Project No. : <u>BH-724</u>	Project Name: <u>Chapaton Lab & Mezzanine</u>
Project Owner: <u>Macomb County</u>	Architect/Engineer: <u>Fishbeck</u>
Project Address: <u>23001 E. 9 Mile Rd.</u>	Address: <u>1515 Arboretum Dr. SE</u>
City/State/Zip: <u>St. Clair Shores., MI, 48080</u>	City/State/Zip: <u>Grand Rapids, MI 49546</u>

DESCRIPTION OF CHANGE	Increase/Decrease Amount
Install Plastic Upper Cabinet at 36" x 12"	\$300.00
Bonding - 2%	\$6.00
OHP - 10%	\$30.60
Total Add (Deduct)	\$336.60

For This Change Add To Contract Time: 0 Days

This Change Order is an amendment to the Contract Agreement between Contractor and the Owner, and all contract provisions shall apply unless specifically exempted. The amount and time change designated are the maximum agreed to by both the Owner and the Contractor for this change. In consideration of the foregoing adjustments in contract time and contract sum, the Contractor hereby releases Owner from all claims, demands or causes of action arising out of the transactions, events and occurrences giving rise to this Change Order. This written Change Order is the entire agreement between Owner and Contractor with respect to this Change Order. No other agreements or modifications shall apply to this contract amendment unless expressly provided herein.

Approval

Cross Renovation

Print : _____

Signature : _____

Date : _____

Macomb County

Print : _____

Signature : _____

Date : _____



34133 Schoolcraft Road
 Livonia, MI 48150
 Office: (734) 286-2244
 Fax: (734) 943-6212

Change Order Proposal

12

Project No. : <u>BH-724</u>	Project Name: <u>Chapaton Lab & Mezzanine</u>
Project Owner: <u>Macomb County</u>	Architect/Engineer: <u>Fishbeck</u>
Project Address: <u>23001 E. 9 Mile Rd.</u>	Address: <u>1515 Arboretum Dr. SE</u>
City/State/Zip: <u>St. Clair Shores., MI, 48080</u>	City/State/Zip: <u>Grand Rapids, MI 49546</u>

DESCRIPTION OF CHANGE	Increase/Decrease Amount
Various RSC T&M Tickets Requested Throughout the Project	\$3660.77
Bonding - 2%	\$73.22
OH&P - 10%	\$373.40
Total Add (Deduct)	\$4107.39

For This Change AddTo Contract Time: 0 Days

This Change Order is an amendment to the Contract Agreement between Contractor and the Owner, and all contract provisions shall apply unless specifically exempted. The amount and time change designated are the maximum agreed to by both the Owner and the Contractor for this change. In consideration of the foregoing adjustments in contract time and contract sum, the Contractor hereby releases Owner from all claims, demands or causes of action arising out of the transactions, events and occurrences giving rise to this Change Order. This written Change Order is the entire agreement between Owner and Contractor with respect to this Change Order. No other agreements or modifications shall apply to this contract amendment unless expressly provided herein.

Approval

Cross Renovation

Print : _____

Signature : _____

Date : _____

Macomb County

Print : _____

Signature : _____

Date : _____

Chapaton Lab & Mezzanine
RSC Extras Requests

Invoice #	Cost Requested	Cost Approved	General Description	MCPWO Comment
264021-1	\$577.33	\$577.33	Extra conduits for low-voltage wiring because of ceiling conflicts (SCADA Room to Open Office)	I'm not sure how this work took 5 hours but Drew made me aware of this issue several times and I verbally OK'd it. See Photo 1
264021-2	\$395.29	\$0.00	Moving LP-C west along wall to other side of Door 202B in Open Office	If anything it should be a deduct since the panel was moved to a central location and most circuits were shortened by the noted 15'. Moving LP-C west down the wall was made prior to it being installed in the proposed location. I'm not convinced this move was even required based on the actual installed conduits. The 3/4" 90's shown in Photo 2 look like they would have cleared ductwork just fine.
264021-3	\$255.00	\$85.00	Garage Door switch wiring	RSC description mischaracterizes what happened. On 3/11/21 after old switch was demolished it was noted that the OH door wasn't operable from remaining switch in garage. RSC (who was already on-site) temporarily wired up the demo'd box as shown in Photo 3 to get the door operational again. This work did not take 3 hours and was closer to 15 minutes. I then arranged for our on-call electrician to properly wire the box separate from the Cross Construction contract. On 3/16/21 our electrician performed this work and it took him "3 minutes, not even billable"
264021-4	\$894.59	\$0.00	Electrical / conduits to support 3 additional TV Locations	This work was already approved as part of Change Order #1 for \$989. Looks like it came in under but no need to revise, just remove this quote entirely from change request.
264021-5	\$1,538.56	\$848.45	Additional work in SCADA Room	On 3/25/21, a Planar sketch was emailed to Cross that showed cable ingress locations relative to the video monitors. Photo 4 (taken 4/5/21) shows much of the work noted in this invoice hadn't been performed yet. Although I agree the noted relocation(s) occurred, I believe MCPWO adequately made Cross aware of where the conduits & outlets needed to land. I do acknowledge that there was additional RSC effort related to this wall I just think all 16 hours shouldn't be on the Owner. As a side note, MCPWO did not request a credit for the revised 2" conduit routing although it was believed to significantly shorten / simplify the install.
Overall	\$3,660.77	\$1,510.78		

interior environments

NOVI
48700 Grand River Ave.
Novi, MI 48374
248.213.3010

DATE: 03/10/21

PROPOSAL: 70262
PROJECT#: 28-732

PROPOSAL FOR:
Cross Construction
34133 SCHOOLCRAFT RD
LIVONIA MI 48150

INSTALL AT:
Macomb Chapaton Pumping Station
Steve Wagner 586-524-0070
23001 E. 9 MILE RD
SAINT CLAIR SHORES MI 48080

SALESPERSON
Rick George

CUSTOMER P/O..:

CONTRACT #

#	QTY	PRODUCT	DESCRIPTION	SELL	EXTENDED
4	3	T53060S	Primary 30Dx60W Flat Eg Lam w/Grommets L2 Woodgrain Lam Opts Lam: Phantom Ecru Edge: Phantom Ecru Plastic Grommet TAG #2: 30x60	145.40	436.20
5	3	CEP3029F	Freestanding 30DX29-1/2H End Pnl Sup P1 Paint Opts Flint TAG #2: FEP	53.42	160.26
6	2	CDG	Gussets (1 Pr) P1 Paint Opts Flint TAG #2: CDG	31.25	62.50
7	3	CS609	Full-Hgt 29-1/2Hx60W Mod Pnl P1 Paint Opts Flint TAG #2: MP 29.5Hx60W	49.14	147.42
8	3	CDL29	Corner Desk Leg 29-1/2H P1 Paint Opts Flint TAG #2: CDL	38.56	115.68
9	3	Y629LKNP	Lt Scale 29-1/2H Leg Non-handed Pntd P1 Paint Opts CLR: Flint TAG #2: LSPL	62.24	186.72
10	3	CSDC19	Center Drawer 19Wx14-3/4Dx3H w/Lock Metal P1 Paint Opts Flint omt Core to Ord key Alike TAG #2: CD	44.60	133.80
11	3	PF197-233A	Essentials Support Ped BBF 28Hx22-7/8Dx15W Arch Pull P1 Paint Opts Flint PULL: Matte Silver omt Core to Ord key Alike TAG #2: B/B/F	203.11	609.33

interior environments

NOVI
48700 Grand River Ave.
Novi, MI 48374
248.213.3010

DATE: 03/10/21

PROPOSAL: 70262
PROJECT#: 28-732

#	QTY	PRODUCT	DESCRIPTION	SELL	EXTENDED
12	1	LKFE2SLV	Lock Core Kit Silver - 2 Cores 2 Keys Key Number Key Number Sequence Start Key Number 101 Quantity: 3	23.28	23.28
13	3	CSW-MHWNO	Lyric Task Synchro Work Mesh High 4D NO FC Black Black Lumbar Black Standard cylinder Black Multi-Surface 4-Way Charcoal GRD 1 UPH Centurion Black No Headrest	418.00	1,254.00
14	2	T53060S	Primary 30Dx60W Flat Eg Lam w/Grommets L2 Woodgrain Lam Opts Lam: Phantom Ecrú Edge: Phantom Ecrú Plastic Grommet TAG #2: 30x60	145.40	290.80
15	2	T53054S	Primary 30Dx54W Flat Eg Lam w/Grommets L2 Woodgrain Lam Opts Lam: Phantom Ecrú Edge: Phantom Ecrú Plastic Grommet TAG #2: 30x48	130.79	261.58
16	1	T53030S	Primary 30Dx30W Flat Eg Lam w/Grommet L2 Woodgrain Lam Opts Lam: Phantom Ecrú Edge: Phantom Ecrú Plastic Grommet TAG #2: 30x36	95.26	95.26
17	2	CS609	Full-Hgt 29-1/2Hx60W Mod Pnl P1 Paint Opts Flint TAG #2: MP 29.5Hx60W	49.14	98.28
18	2	CS549	Full-Hgt 29-1/2Hx54W Mod Pnl P1 Paint Opts Flint TAG #2: MP 29.5Hx48W	48.38	96.76
19	1	CS309	Full-Hgt 29-1/2Hx30W Mod Pnl P1 Paint Opts Flint TAG #2: MP 29.5Hx36W	44.86	44.86
20	2	CDL29	Corner Desk Leg 29-1/2H P1 Paint Opts Flint TAG #2: CDL	38.56	77.12
21	1	CDG	Gussets (1 Pr) P1 Paint Opts Flint TAG #2: CDG	37.82	37.82

interior environments

NOVI
48700 Grand River Ave.
Novi, MI 48374
248.213.3010

DATE: 03/10/21

PROPOSAL: 70262
PROJECT#: 28-732

#	QTY	PRODUCT	DESCRIPTION	SELL	EXTENDED
22	9	CEP3029F	Freestanding 30DX29-1/2H End Pnl Sup P1 Paint Opts Flint TAG #2: FEP	53.42	480.78
23	2	Y629LKNP	Lt Scale 29-1/2H Leg Non-handed Pntd P1 Paint Opts CLR: Flint TAG #2: LSPL	62.24	124.48
24	5	CSDC19	Center Drawer 19Wx14-3/4Dx3H w/Lock Metal P1 Paint Opts Flint omt Core to Ord key Alike TAG #2: CD	44.60	223.00
25	2	PF197-233A	Essentials Support Ped BBF 28Hx22-7/8Dx15W Arch Pull P1 Paint Opts Flint PULL: Matte Silver omt Core to Ord key Alike TAG #2: B/B/F	203.11	406.22
26	1	LKFE2SLV	Lock Core Kit Silver - 2 Cores 2 Keys Key Number Key Number Sequence Start Key Number 104 Quantity: 2	15.52	15.52
27	1	LKFE1SLV	Lock Core Kit Silver - 1 Core 2 Keys Key Number Key Number Sequence Start Key Number 106 Quantity: 2	7.76	7.76
28	2	EBC536	Ess Bookcase 5H 36W Open Cabinet P1 Paint Opts Flint	362.00	724.00
29	5	CLL-MLHNO	Lyric LT Mesh 2D NO FC Black Black Lumbar Black Standard cylinder Black Multi-Surface 4-Way Black GRD 1 UPH Centurion Black No Headrest	549.00	2,745.00
30	1	HTLE54144	144"Wx54"D Arc End Shaped Lam Top Knife Edge: Phantom Ecru No Grommets Grd L2 Standard Laminates LAM: Phantom Ecru TAG #2: 54x144	1,112.86	1,112.86
31	1	HTLHP144	Preside Laminate Hollow Panel Base For 144" W Table Tops Grd L2 Standard Laminates LAM: Phantom Ecru LAM: Phatom Ecru TAG #2: HTLHP144	933.53	933.53

interior environments

NOVI
48700 Grand River Ave.
Novi, MI 48374
248.213.3010

DATE: 03/10/21

PROPOSAL: 70262
PROJECT#: 28-732

#	QTY	PRODUCT	DESCRIPTION	SELL	EXTENDED
32	1	BE01820-M-2 -2-Z01-U1-7	POWERDATACENTER, MHO Includes: Power: 2 Ports, Standard Outlet(s) Item Number BE01820-M-2-2-Z01-U1-72 Tech: 1 Ports, Open USB: 1 Ports,USB Dual-A Cord: 72" Standard Cord, Straight Plug Cord Color: Black Cord Color Theme Aluminum Housing, Black Plastic QUOTE#: DQ003243-1	207.37	207.37
33	1	BE01820-M-2 -2-Z01-U9-7	POWERDATACENTER, MHO Includes: Power: 2 Ports, Standard Outlet(s) Item Number BE01820-M-2-2-Z01-U9-72 USB: 1 Ports,USB Dual-A Tech: 1 Ports, HDMI, 18" Cable Cord: 72" Standard Cord, Straight Plug Color Theme Aluminum Housing, Black Plastic Cord Color: Black Cord QUOTE#: DQ003243-1	239.14	239.14
34	1	HTLCRED72	Preside 20x72 36H Hospitality Credenza Gr L2 Standard Laminates LAM: Phantom Ecru Phantom Ecru Gr L2 Standard Laminates LAM: Phantom Ecru Pull: Loop Satin Nickel No Cutout	1,380.45	1,380.45
35	12	DWW-MHFNO	Evo Task Mesh High Back Chair Fixed Arms no FC Black Mist Yes Standard Polished Aluminum Polished Aluminum Multi Surfac Grd 1 Uph Centurion Black Coordinating TAG #2: EVO TASK	543.00	6,516.00
36	1	AW3LF3060V	30Dx60W Aware Top Lam FlatEdg for V-Fixed/Nest Standard Wood L2 Woodgrain Lam Opts Lam: Phantom Ecru Edge: Phantom Ecru No Cutouts	182.19	182.19
37	1	AW2TLSHGB60	Aware60 - 66W Kit Fxd Stndng Ht w/gld use w/30 DeepTop P1 Paint Opts CLR: Flint	287.95	287.95
38	1	CSDC19	Center Drawer 19Wx14-3/4Dx3H w/Lock Metal P1 Paint Opts Flint omt Core to Ord key Alike TAG #2: CD	44.60	44.60

interior environments


NOVI
 48700 Grand River Ave.
 Novi, MI 48374
 248.213.3010

DATE: 03/10/21

PROPOSAL: 70262
 PROJECT#: 28-732

#	QTY	PRODUCT	DESCRIPTION	SELL	EXTENDED
39	1	LKFE1SLV	Lock Core Kit Silver - 1 Core 2 Keys Key Number Key Number 108 Quantity: 1	3.88	3.88
40	7	APADD	Double Dynamic Post Arm Silver Generic	240.00	1,680.00
41	4	ACPU1	360' Swivel CPU Holder With adjustable straps TAG #2: CPU	105.00	420.00
42	1	CSS-MHHNO	Lyric Task Stool Synchro Mesh High 2D NO FC Black Black Lumbar Black Extended cylinder Black Multi-Surface 4-Way Charcoal GRD 1 UPH Centurion Black No Headrest	525.00	525.00
43	1	FREIGHT	FREIGHT	1,046.00	1,046.00
47	1	INSTALLATIO N	INSTALLATION Includes: (8) Freestanding Desks w. Ergo Tools & Task Chairs (2) Bookcases (1) Conference Room Table w/ Power, Credenza & Tas (2) Field Cuts for the Conference Room Table (for (1) Table & Task Stool for Lab 112	2,575.00	2,575.00

TERMS AND CONDITIONS OF SALE PER THE ATTACHED

		SUBTOTAL :	22,391.40
DEPOSIT REQUIRED:	13,000.00	FREIGHT	1,046.00
ACCEPTED BY 		INSTALL	2,575.00
DATE ACCEPTED <u>3/12/21</u>	52	TOTAL	26,012.40

**Balco Interiors LLC and IE Connect LLC -
d/b/a INTERIOR ENVIRONMENTS
TERMS AND CONDITIONS OF SALE**

1. PROPOSALS AND ORDERS

A. **TERM:** All prices quoted by Interior Environments ("Seller") are valid for 30 days from date of proposal.

B. **OFFER AND ACCEPTANCE:** All orders for the purchase of goods and services from Seller require a proposal prepared by Seller which has been approved and signed by an authorized signatory of Buyer. Seller's proposal shall constitute an offer and Buyer's approval of the proposal shall constitute acceptance of that offer. If Buyer submits a purchase order before Seller issues a proposal, Seller's proposal shall constitute a counteroffer and Buyer's approval of the Seller's proposal shall constitute acceptance of that counter offer without any additional terms or conditions.

C. **AGREEMENT:** Following the offer and acceptance described above and Seller's payment as provided in paragraph 2 below, an "Agreement" between the parties shall be deemed to have been formed with such Agreement comprised solely of Seller's proposal together with these Terms and Conditions of Sale. The Agreement shall be deemed to supersede any prior written or oral agreements and any different or conflicting terms in any quote, invoice, Buyer purchase order, shipper or any other document. For the avoidance of doubt, any different, additional or conflicting terms provided on any ancillary Buyer document(s) are expressly rejected by Seller.

D. **MODIFICATIONS/CHANGES/CANCELLATIONS:** Any requested modification to an Agreement is subject to the approval of Seller and the manufacturer or supplier of the goods ordered. Buyer will pay any and all additional charges resulting from order modifications, cancellations, and changes. Express Ship Orders cannot be changed or cancelled. All goods are custom manufactured to customer specifications and, therefore, cannot be returned. Restocking programs are not available. Any modifications of an Agreement must be made via a signed and dated revised proposal.

2. CREDIT APPROVAL AND DEPOSITS

All orders are subject to credit approval. A deposit of 50% is required on all orders greater than \$5,000.00. No interest shall accrue on such deposits. Orders less than \$5,000.00 must be paid in full. The Agreement is deemed entered upon such payment by Buyer.

3. OWNERSHIP AND RISK OF LOSS

Transfer of title to the goods as between Seller and Buyer shall be deemed to have occurred when the Agreement is entered, and thereafter Buyer shall insure against risk of loss. If the goods are first received on behalf of Buyer by Seller, such goods shall be considered held by Seller subject to bailment for the sole benefit of Buyer.

4. PAYMENT

A. **TIMING:** Any remaining balance on goods purchased under this Agreement and any related installation or other services will be invoiced upon delivery of the goods to the job site or, if installed by Seller, following substantial completion. Direct shipments from manufacturers will be invoiced upon shipment from the manufacturer. Any goods being held at Buyer's request, 53

due to delays or otherwise, will be invoiced for product only upon Seller's receipt of same with separate invoicing for installation or other related services upon substantial completion.

B. **PAYMENT TERMS:** Seller has the right to increase its prices at any time upon notice to Buyer to reflect any and all unusual or unforeseen increases in Seller cost, provided that any such increase shall be limited to the increase actually incurred by Seller. Buyer will not offset or recoup any claim against amounts due Seller. All invoices are due on the date noted on the related invoice. A monthly service charge of 1.5% (18% A.P.R.) will be assessed on all unpaid balances, including accrued but unpaid monthly service charges, after the invoice due date. A service charge of three percent (3%) of the invoice amount will be added to all invoices paid by credit card.

C. **FREIGHT:** Buyer is solely responsible for any applicable freight and handling charges, including tariffs, for delivery from the manufacturer to Seller and is FOB origin. If not included in the proposal, such charges are not included in a price quotation and will be invoiced to Buyer separately after the Seller is invoiced by the carrier or manufacturer.

D. **TAXES:** Buyer is solely responsible for any applicable sales, use, excise, or other taxes. If not included in the proposal, applicable taxes will be invoiced separately. If Buyer possesses tax-exempt status, a certificate of resale, or tax exemption is to be provided prior to order placement.

E. **DELAYS:** If Buyer is unable or unwilling to receive goods at the prescribed shipping site on the mutually agreed delivery date any goods thereafter stored by Seller will be at Buyer's expense until such time as Buyer is able to accept delivery. Seller shall have no obligation or liability to Buyer whatsoever for failure to ship goods by a particular date.

5. DELIVERY AND INSTALLATION

A. **DELIVERY AND INSTALLATION:** Any contracted delivery and installation will be made during Seller's normal business hours of 7:00 a.m. to 3:30 p.m., Monday through Friday. Overtime delivery or installation performed at the Buyer's request will be subject to labor rates reflecting time-and-a-half for weekdays and double time for weekends and holidays. If applicable trade regulations require employing union tradesmen to complete the installation or delivery, any additional incremental costs will be invoiced to and paid by the Buyer. Seller shall not be liable for failure or delay in installation due to the installation site not being ready for installation. Any shipping, delivery, and performance dates are estimates only, and time is not of the essence. Seller may ship or direct shipments of all the goods at one time or in portions from time to time. Seller has the right, but not the obligation, to determine the method of shipment and routing of the goods, unless otherwise stated in Seller's delivery and installation proposal or acknowledgement.

B. **SELLER'S RESPONSIBILITIES:** Unless received by Buyer or Buyer's agent directly, Seller will receive, inspect, stage, and if contracted, install Buyer's goods. All furnishings will be left clean and in working order. Carton and packing materials will be removed to the Buyer's waste disposal containers, and the premises will be left broom clean. At Seller's option, Seller may direct shipments directly to the job site.

C. **BUYER'S ACCEPTANCE:** Buyer agrees to have an agent on the premises at the agreed upon time to accept goods, deliveries, installation, and completed work. All goods and services shall be considered accepted after Buyer or his agent has signed an acknowledgement document(s). All claims or exceptions must be made in writing the date the work is substantially

complete. Notwithstanding the foregoing, if Buyer or Buyer's agent is unavailable or unwilling to sign acknowledgment document(s), Buyer shall be deemed to have accepted the goods and services "as is" or as otherwise noted by Seller on the acknowledgement document.

D. **DROP SHIPMENTS:** In case of drop shipments where goods are delivered without installation, Buyer will receive, inspect, and install ordered goods. Buyer is also responsible for filing necessary freight claims in the event of damage. Buyer shall have no claims against Seller due to damage and may not withhold payment on account thereof.

E. **CONDITION OF JOB SITE:** Buyer's job site shall be clean, clear of all obstructions, and free of debris prior to any Seller installation. Charges will be assessed to the Buyer for excessive handling, storage and transportation incurred because of site conditions, activity of other trades, or other reasons not specifically identified in the price quotation, at a standard hourly rate, or at actual charges plus fees, if labor is performed by a third party.

F. **JOB SITE SERVICES:** Buyer will furnish electrical current, heating, lighting, trash disposal containers, hoisting and/or elevator services, and suitable unobstructed dock space and staging areas at the job site without charge to Seller if Seller is to provide installation. If Seller is required to remove or handle existing furniture, the additional cost of moving and transporting shall be billed to the Buyer on an hourly basis. Once installation has begun, Buyer agrees to assume any expense incurred by Seller due to changes made at the Buyer's request or for any reason beyond Seller's reasonable commercial control.

G. **ELECTRICAL INSTALLATION:** A licensed electrician may be required to install electrical product including outlets, task lights, and hook-ups to base building power. If Seller determines that an electrician is required, Buyer will be responsible for contracting and paying the electrician.

H. **PROTECTION OF DELIVERED GOODS:** Buyer is responsible for security and safekeeping of goods after delivery to Buyer's site, or into storage negotiated by Buyer if the job site is not ready on an agreed upon delivery date, and Buyer shall assume any risk of damage or loss thereof.

I. **CONCEALED DAMAGED GOODS:** Buyer is required to report all concealed or damage packaged goods within seven (7) business days or receipt. In addition, Buyer is required to report all damage goods revealed upon unpackaging within seven (7) days of the same. Likewise, Buyer is required Buyer must send pictures of damaged goods, packages and labels to initiate any available warranty claim(s). Failure to report damages within the required reporting period with the required information may negate any warranty claims and Buyer shall accept responsibility for any and all costs associated with replacement or repairs of damaged goods.

6. ADDITIONAL TERMS

A. **DISCLAIMER OF WARRANTIES: BUYER AGREES THAT THE GOODS ARE OF THE SIZE AND DESIGN SELECTED BY BUYER AND THAT BUYER IS SATISFIED THAT SAME IS SUITABLE FOR BUYER'S PURPOSES. SELLER HAS MADE NO REPRESENTATION OR WARRANTY AS TO ANY MATTER WHATSOEVER. SELLER DISCLAIMS AND BUYER EXPRESSLY WAIVES AS TO SELLER, ALL WARRANTIES WITH RESPECT TO THE GOODS, INCLUDING BUT NOT LIMITED TO ALL EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, QUALITY, CAPACITY, OR WORKMANSHIP. NOTHING CONTAINED HEREIN SHALL**

DIMINISH THE RIGHT OF BUYER TO EXERCISE ALL RIGHTS AND REMEDIES AGAINST THE MANUFACTURER OF THE GOODS FOR MANUFACTURER WARRANTIES. IN NO EVENT SHALL SELLER BE LIABLE UNDER ANY THEORY AT LAW OR EQUITY FOR ANY LOSS OF USE, REVENUE, ANTICIPATED PROFIT OR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR RELATED TO THE DESIGN AND USE OF THE GOODS. SELLER SHALL ADVISE BUYER OF ALL RELATED MANUFACTURERS' WARRANTIES UPON BUYER'S REQUEST.

B. **RESALE:** On any resale of the goods, Buyer shall contractually limit its buyer's warranty against both Buyer and Seller to the same extent that Paragraph 6(A) above limits the warranty offered by Seller.

C. **ACTS BEYOND REASONABLE CONTROL:** Seller shall not be liable for any delay or failure to deliver any or all of the goods caused by installation site delays, labor disputes, strikes, acts of God, or other delays beyond the reasonable control of Seller.

D. **ASSIGNMENT:** Buyer shall not assign its rights or obligations under this Agreement without the prior written consent of Seller.

E. **INDEMNIFICATION:** Buyer shall indemnify, defend, and hold harmless Seller with respect to all damages, losses, claims, and expenses, including, without limitation, consequential and incidental damages and reasonable attorney fees arising from or related to : i) Buyer's breach of any of Buyer's obligations under this Agreement and from; ii) Seller's interior design, project management, delivery, installation, or any other services except when caused by Seller's gross negligence or willful misconduct.

F. **DEFAULT:** If Buyer fails to pay any amount herein provided within ten (10) days after the same is due and payable, or if Buyer fails to observe, keep, or perform any other provision of this Agreement, then Seller shall have the right to exercise any one or more of the following remedies without prejudice to such remedies as may otherwise exist at law or in equity: i) to declare the entire amount due hereunder immediately due and payable without notice or demand to Buyer; ii) to sue for and recover all payments, then accrued or thereafter accruing; iii) to take possession of the goods provided hereunder, without demand or notice wherever located, without any court order or other process of law. Buyer hereby grants free and full access to the premises and hereby waives any and all damages occasioned by such taking of possession.

G. **NO WAIVER:** Seller's waiver of any right on one occasion shall not be a waiver of any future exercise of that right.

H. **TIME FOR BRINGING ACTION:** Any action that Buyer brings against Seller that arises out of or relates to the goods and services provided by Seller to Buyer must be brought by Buyer within one year after the cause of action accrues.

I. **LAW:** The Agreement shall be deemed entered into, and performed in substantial part, in Oakland County, Michigan. The Agreement shall be governed by and construed in accordance with the laws of the State of Michigan, without regard to its conflict of law provisions. The parties hereto agree to submit to the exclusive personal jurisdiction of the state or federal courts serving Oakland County, Michigan for the resolution of any claim or cause of action that arises from or related to this Agreement or the goods or services provided by Seller.

City of St. Clair Shores

Building

Permit No: PB201427

Building Department

27600 Jefferson Ave.

St. Clair Shores, MI 48081

Phone:(586) 447-3340

Fax: (586) 445-4098

Hours: Monday-Friday 8 am - 4:30 pm

23001 NINE MILE Location
09-14-35-103-005

COUNTY OF MACOMB Owner
21777 DUNHAM ROAD
CLINTON TOWNSHIP MI 48036

Issued: 12/18/20 Expire Date: 12/08/21

**PLEASE CALL (586) 447-3340
FOR AN INSPECTION 24 HOURS IN ADVANCE**

CROSS CONSTRUCTION Contractor
CROSS CONSTRUCTION
34133 SCHOOLCRAFT
LIVONIA MI 48150
(734) 286 2244

Work Description: MACOMB COUNTY PERMIT
(work being done at 23001 Nine mile pump station and 23301 Nine mile treatment bldg)
CONSTRUCTION OF A 252 SQ FT TESTING LABORATORY WITHIN A CURRENTLY VACANT SPACE AND THE RENOVATION OF THE 1,655 SQ FT MEZZANINE LEVEL TO INCLUDE A SCADA COMMAND CENTER, CONFERENCE ROOM, AND LIVING QUARTERS (NO STRUCTURAL CHANGES)
-ROLLED PLANS-

- Stipulations:**
- 1) INTERIOR RENOVATIONS ONLY
 - 2) SEE FIRE MARSHALL REPORT
 - 3) VALVE ENGINEERING CHANGES SHALL BE RE-SUBMITTED
 - 4) ALL CONSTRUCTION PER 2015 M.B.C.
 - 5) ALL WORK IS SUBJECT TO FIELD INSPECTION

Permit Item	Work Type	Fee Basis	Item Total
Addns., alts-above \$50k - COMM/IND	Comm/Indust	450,847.00	2,255.00

DID YOU KNOW?
We're online now! Apply for your permits online with this web pin #: 2799a67678c8

Fee Total: \$4,348.00
Amount Paid: \$4,348.00
Balance Due: \$0.00

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code.

I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

Payment of permit fee constitutes acceptance of the above terms.

Payment Validation

City of St. Clair Shores

Electrical

Permit No: PE210266

Building Department
Phone:(586) 447-3340

27600 Jefferson Ave.
Fax: (586) 445-4098

St. Clair Shores, MI 48081
Hours: Monday-Friday 8 am - 4:30 pm

23001 NINE MILE
09-14-35-103-005

Location

COUNTY OF MACOMB
21777 DUNHAM ROAD
CLINTON TOWNSHIP MI 48036

Owner

Issued: Expire Date:

**PLEASE CALL (586) 447-3340
FOR AN INSPECTION 24 HOURS IN ADVANCE**

RSC ELECTRICAL
FROMM, BRIAN
43750 Garfield Rd.
Clinton Township MI 48038
(586) 909 5546

Contractor

Work Description: 23301 NINE MILE

(6) FIXTURES, (7) CIRCUITS, SERVICE

Stipulations: PAID FOR ON PE210080

Permit Item	Work Type	Fee Basis	Item Total
		0.00	0.00

DID YOU KNOW?

We're online now! Apply for your permits online with this web pin #: 6ee0f7e8521a

Fee Total:	\$
Amount Paid:	\$
Balance Due:	\$

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code.

I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

Payment of permit fee constitutes acceptance of the above terms.

Payment Validation

City of St. Clair Shores

Mechanical

Permit No: PM210103

Building Department
Phone:(586) 447-3340

27600 Jefferson Ave.
 Fax: (586) 445-4098

St. Clair Shores, MI 48081
 Hours: Monday-Friday 8 am - 4:30 pm

23001 NINE MILE Location
 09-14-35-103-005

COUNTY OF MACOMB Owner
 21777 DUNHAM ROAD
 CLINTON TOWNSHIP MI 48036

Issued: 02/17/21 Expire Date: 11/21/21

**PLEASE CALL (586) 447-3340
 FOR AN INSPECTION 24 HOURS IN ADVANCE**

SCOTT STONER Contractor
 SCOTT STONER
 28390 TERRANCE
 LIVONIA MI 48154
 (248) 286 5201

Work Description: rooftop combo unit, duct work, exhaust fan, humidifier

For 23001 Nine Mile

Stipulations:

Permit Item	Work Type	Fee Basis	Item Total
APPLICATION FEE NON - REFUNDABLE	Standard Item	1.00	50.00
Rooftop combo heating & cooling	Cooling	1.00	60.00
Exhaust fan	Standard Item	3.00	30.00
Humidifier	Standard Item	1.00	15.00
Duct Work	Standard Item	2.00	60.00
INSP-REINSPECTION FEE	Inspection	1.00	30.00

Fee Total: \$245.00
Amount Paid: \$245.00
Balance Due: \$0.00

DID YOU KNOW?
 We're online now! Apply for your
 permits online with this web pin #: 8b6a024118ef

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code.

I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

Payment of permit fee constitutes acceptance of the above terms.

Payment Validation

City of St. Clair Shores

Mechanical

Permit No: PM210225

Building Department

27600 Jefferson Ave.

St. Clair Shores, MI 48081

Phone: (586) 447-3340

Fax: (586) 445-4098

Hours: Monday-Friday 8 am - 4:30 pm

23001 NINE MILE 09-14-35-103-005	Location
-------------------------------------	----------

COUNTY OF MACOMB 21777 DUNHAM ROAD CLINTON TOWNSHIP MI 48036	Owner
--	-------

Issued: 04/07/21 Expire Date: 10/04/21
<i>PLEASE CALL (586) 447-3340 FOR AN INSPECTION 24 HOURS IN ADVANCE</i>

SCOTT STONER SCOTT STONER 28390 TERRANCE LIVONIA (248) 286 5201	Contractor
MI 48154	

Work Description: SPLIT SYSTEM/HEAT PUMP
FOR 23301 NINE MILE

Stipulations:

Permit Item	Work Type	Fee Basis	Item Total
Misc mechanical	Misc.	30.00	30.00

DID YOU KNOW?
We're online now! Apply for your
permits online with this web pin #: 8b6a024118ef

Fee Total:	\$30.00
Amount Paid:	\$30.00
Balance Due:	\$0.00

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code.

I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

Payment of permit fee constitutes acceptance of the above terms.

Payment Validation

City of St. Clair Shores

Plumbing

Permit No: PP200837

Building Department

27600 Jefferson Ave.

St. Clair Shores, MI 48081

Phone:(586) 447-3340

Fax: (586) 445-4098

Hours: Monday-Friday 8 am - 4:30 pm

23001 NINE MILE Location
09-14-35-103-005

COUNTY OF MACOMB Owner
21777 DUNHAM ROAD
CLINTON TOWNSHIP MI 48036

Issued: 12/21/20 Expire Date: 06/19/21

**PLEASE CALL (586) 447-3340
FOR AN INSPECTION 24 HOURS IN ADVANCE**

WEISS CONSTRUCTION CO., LLC Contractor
DANIEL WEISS
41001 GRAND RIV
NOVI MI 48375
(313) 790 5230

Work Description: INTERIOR PIPING OF PUMP STATION

Stipulations:

Permit Item	Work Type	Fee Basis	Item Total
APPLICATION FEE - NON REFUNDABLE	Standard Item	1.00	50.00
Water Dist., Service, Re-Pipe	Distribution	1.50	40.00

Fee Total:	\$90.00
Amount Paid:	\$90.00
Balance Due:	\$0.00

DID YOU KNOW?
We're online now! Apply for your permits online with this web pin #: 64463EB5

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code.
I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.
Payment of permit fee constitutes acceptance of the above terms.

Payment Validation

City of St. Clair Shores

Plumbing

Permit No: PP210100

Building Department
Phone:(586) 447-3340

27600 Jefferson Ave.
 Fax: (586) 445-4098

St. Clair Shores, MI 48081
 Hours: Monday-Friday 8 am - 4:30 pm

23001 NINE MILE
 09-14-35-103-005

Location

COUNTY OF MACOMB
 21777 DUNHAM ROAD
 CLINTON TOWNSHIP MI 48036

Owner

Issued: 02/17/21 Expire Date: 11/21/21

**PLEASE CALL (586) 447-3340
 FOR AN INSPECTION 24 HOURS IN ADVANCE**

PETER CUNNINGHAM
 PETER CUNNINGHAM
 23640 RESEARCH
 FARMINGTON HILLS MI 48335
 (248) 286 5200

Contractor

Work Description: 1 lav, 1 water closet, 1 floor drains, water distribution, 1 sinks, 1 san/st tap

4/7/21 ADDED TO PERMIT PER KELLY - 1 EYE WASH STATION AND 2 STACKS

Stipulations: 2 FLOOR DRAINS AND 2 SINKS MOVED TO 23301 NINE MILE AND CLOSED OUT (PP210307)

Permit Item	Work Type	Fee Basis	Item Total
APPLICATION FEE - NON REFUNDABLE	Standard Item	1.00	50.00
Floor Drain (Crock)	Standard Item	3.00	24.00
Sinks	Standard Item	3.00	28.00
Sanitary/Storm Tap	Standard Item	1.00	50.00
Water Dist., Service, Re-Pipe	Distribution	1.00	25.00
Lavatory	Standard Item	1.00	12.00

Fee Total: \$248.00
Amount Paid: \$248.00
Balance Due: \$0.00

DID YOU KNOW?
 We're online now! Apply for your
 permits online with this web pin #: 125f47526e3c

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code.

I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

Payment of permit fee constitutes acceptance of the above terms.

Payment Validation

City of St. Clair Shores

Plumbing

Permit No: PP210100

Building Department
Phone:(586) 447-3340

27600 Jefferson Ave.
Fax: (586) 445-4098

St. Clair Shores, MI 48081
Hours: Monday-Friday 8 am - 4:30 pm

23001 NINE MILE
09-14-35-103-005
Location

COUNTY OF MACOMB
21777 DUNHAM ROAD
CLINTON TOWNSHIP MI 48036
Owner

Issued: 02/17/21 Expire Date: 11/21/21

**PLEASE CALL (586) 447-3340
FOR AN INSPECTION 24 HOURS IN ADVANCE**

PETER CUNNINGHAM
PETER CUNNINGHAM
23640 RESEARCH
FARMINGTON HILLS MI 48335
(248) 286 5200
Contractor

Work Description: 1 lav, 1 water closet, 1 floor drains, water distribution, 1 sinks, 1 san/st tap

4/7/21 ADDED TO PERMIT PER KELLY - 1 EYE WASH STATION AND 2 STACKS

Stipulations: 2 FLOOR DRAINS AND 2 SINKS MOVED TO 23301 NINE MILE AND CLOSED OUT (PP210307)

Permit Item	Work Type	Fee Basis	Item Total
Water Closets	Standard Item	1.00	12.00
Registration fee	Registration Fee	25.00	25.00
Stacks	Standard Item	2.00	17.00
Misc. plumbing	Misc.	5.00	5.00

Fee Total:	\$248.00
Amount Paid:	\$248.00
Balance Due:	\$0.00

DID YOU KNOW?
We're online now! Apply for your
permits online with this web pin #: 125f47526e3c

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code.

I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

Payment of permit fee constitutes acceptance of the above terms.

Payment Validation

City of St. Clair Shores

Plumbing

Permit No: PP210307

Building Department
Phone:(586) 447-3340

27600 Jefferson Ave.
Fax: (586) 445-4098

St. Clair Shores, MI 48081
Hours: Monday-Friday 8 am - 4:30 pm

23001 NINE MILE
09-14-35-103-005

Location

COUNTY OF MACOMB
21777 DUNHAM ROAD
CLINTON TOWNSHIP MI 48036

Owner

Issued: 04/07/21 Expire Date: 10/04/21

**PLEASE CALL (586) 447-3340
FOR AN INSPECTION 24 HOURS IN ADVANCE**

PETER CUNNINGHAM
PETER CUNNINGHAM
23640 RESEARCH
FARMINGTON HILLS MI 48335
(248) 286 5200

Contractor

Work Description: FOR 23301 NINE MILE
2 SINKS & 2 FLOOR DRAINS

Stipulations: PAID FOR ON PP210100

Permit Item	Work Type	Fee Basis	Item Total
		0.00	0.00

DID YOU KNOW?

We're online now! Apply for your permits online with this web pin #: 125f47526e3c

Fee Total:	\$
Amount Paid:	\$
Balance Due:	\$

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code.

I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

Payment of permit fee constitutes acceptance of the above terms.

Payment Validation

City of St. Clair Shores**Refrigeration****Permit No: PREF21040**

Building Department

27600 Jefferson Ave.

St. Clair Shores, MI 48081

Phone:(586) 447-3340

Fax: (586) 445-4098

Hours: Monday-Friday 8 am - 4:30 pm

23001 NINE MILE
09-14-35-103-005

Location

COUNTY OF MACOMB
21777 DUNHAM ROAD
CLINTON TOWNSHIP MI 48036

Owner

Issued: 02/17/21 Expire Date: 11/21/21

SCOTT STONER
SCOTT STONER
28390 TERRANCE
LIVONIA
(248) 286 5201

Contractor

MI 48154

**PLEASE CALL (586) 447-3340
FOR AN INSPECTION 24 HOURS IN ADVANCE****Work Description:** Add (2) air conditioning units to the mezzanine (23001 Nine Mile)**Stipulations:**

Permit Item	Work Type	Fee Basis	Item Total
Air Conditioner	Standard Item	2.00	60.00
APPLICATION FEE-NON-REFUNDABLE	Standard Item	1.00	50.00

DID YOU KNOW?We're online now! Apply for your
permits online with this web pin #: 8b6a024118ef

Fee Total:	\$110.00
Amount Paid:	\$110.00
Balance Due:	\$0.00

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code.

I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

Payment of permit fee constitutes acceptance of the above terms.

Payment Validation

City of St. Clair Shores

Building

Permit No: PB201427

Building Department

27600 Jefferson Ave.

St. Clair Shores, MI 48081

Phone:(586) 447-3340

Fax: (586) 445-4098

Hours: Monday-Friday 8 am - 4:30 pm

23001 NINE MILE Location
09-14-35-103-005

COUNTY OF MACOMB Owner
21777 DUNHAM ROAD
CLINTON TOWNSHIP MI 48036

Issued: 12/18/20 Expire Date: 12/08/21

PLEASE CALL (586) 447-3340
FOR AN INSPECTION 24 HOURS IN ADVANCE

CROSS CONSTRUCTION Contractor
CROSS CONSTRUCTION
34133 SCHOOLCRAFT
LIVONIA MI 48150
(734) 286 2244

Work Description: MACOMB COUNTY PERMIT
(work being done at 23001 Nine mile pump station and 23301 Nine mile treatment bldg)
CONSTRUCTION OF A 252 SQ FT TESTING LABORATORY WITHIN A CURRENTLY VACANT SPACE AND THE RENOVATION OF THE 1,655 SQ FT MEZZANINE LEVEL TO INCLUDE A SCADA COMMAND CENTER, CONFERENCE ROOM, AND LIVING QUARTERS (NO STRUCTURAL CHANGES)
-ROLLED PLANS-

- Stipulations:** 1) INTERIOR RENOVATIONS ONLY
2) SEE FIRE MARSHALL REPORT
3) VALVE ENGINEERING CHANGES SHALL BE RE-SUBMITTED
4) ALL CONSTRUCTION PER 2015 M.B.C.
5) ALL WORK IS SUBJECT TO FIELD INSPECTION

Permit Item	Work Type	Fee Basis	Item Total
APPLICATION FEE-NON-REFUNDABLE	Miscellaneous	1.00	50.00

Fee Total: \$4,348.00
Amount Paid: \$4,348.00
Balance Due: \$0.00

DID YOU KNOW?
We're online now! Apply for your permits online with this web pin #: 2799a67678c8

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code.
I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.
Payment of permit fee constitutes acceptance of the above terms.

Payment Validation

City of St. Clair Shores

27600 JEFFERSON, ST. CLAIR SHORES, MI 48081

(586) 447-3340

Account #: 101.000.27200

DATE: 12/15/20
 THE SUM OF: \$500.00
 DEPOSIT FOR: Permit PB201427
 BOND TYPE: Building-Addns., Alts.
 ADDRESS: 23001 NINE MILE
 PARCEL: 09-14-35-103-005

RECEIVED OF: CROSS CONSTRUCTION
 34133 SCHOOLCRAFT
 LIVONIA MI 48150
 (734) 286 2244

FOR OFFICE USE ONLY

FINAL APPV'D. 06/11/2021
 ACCT # 101-000-27200
 VENDOR # _____
 AMOUNT: \$500.00
 DESCRIPTION: BOND REFUND
 AUTH: _____

*This was
 Returned to
 Cross on
 6/17/21*

Refunded \$500 bond was offset by additional permit costs incurred by Cross related to additional SCS permits being required at East Building (23301 E. Nine Mile). Amount billed by Cross is acceptable.
 -S. Wagner 10/06/2021

Bonds will be forfeited for failing to comply with applicable regulations, or upon suspension of the permit. Bonds unclaimed within one year of final inspection will be forfeited.



Steven Wagner <steven.wagner@macombgov.org>

BH-724 Chapaton Lab & Mezzanine (Pay App#9)

Tyler Wilson <tyler@crossconstructiongroup.com>
To: Steven Wagner <steven.wagner@macombgov.org>

Thu, Sep 30, 2021 at 9:04 AM

900 from HVAC and 1600 from doors

Best,
Tyler Wilson
Project Manager
Cross Construction Group
34133 Schoolcraft Rd Livonia MI, 48150
E: tyler@crossconstructiongroup.com
C: 734-934-2797

On Thu, Sep 30, 2021, 9:00 AM Steven Wagner <steven.wagner@macombgov.org> wrote:
Nice. What is the breakdown per company?

On Thu, Sep 30, 2021 at 8:59 AM Tyler Wilson <tyler@crossconstructiongroup.com> wrote:
Yes that is a 2500 credit

Best,
Tyler Wilson
Project Manager
Cross Construction Group
34133 Schoolcraft Rd Livonia MI, 48150
E: tyler@crossconstructiongroup.com
C: 734-934-2797

On Thu, Sep 30, 2021, 8:55 AM Steven Wagner <steven.wagner@macombgov.org> wrote:
Should I be including any credits from Trane or Rayhaven?

On Fri, Sep 24, 2021 at 9:58 AM Tyler Wilson <tyler@crossconstructiongroup.com> wrote:

Steve,

Can you please send/tell me the last change order value on your end so I can rectify my records and send the final bill this month?

Best,
Tyler Wilson
Project Manager
Cross Construction Group



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95337	9/20/21
4. SET ID		5. POST DATE
FSB Bill Pay 10/4/21		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
DTE Energy	V01270	08	RYPQH-XDN5M	9/8/2021	\$ 11,144.85

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	92101	CC0004	92101	WO18006	8 1/2 Mile Relief	Acct #9100-0005-3785, 8/9-9/8	\$ 11,144.85	GEN		
B											
C											
D											
E											
F											
G											

REV 09/2018

23. Total: \$ 11,144.85

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/mh</u>	30. Drain: <u>8 1/2 Mile Relief</u>
26. Chief Deputy: _____	31. Project Balance: <u>N/A</u>
27. Engineers: _____	32. Staff Date: <u>9/21/2021</u>
28. Managers: _____	33. Board Date: <u>10/18/2021</u>
29. Coordinator: _____	34. Select For Pay Date: _____



Payment Coupon

Account Number	910000053785
Due Date:	October 04, 2021
Total Due:	\$11,144.85

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

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

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

Account Information

RYPQH-XDN5M

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

Account Number	9100-0005-3785
----------------	----------------

DTE-Energy Federal ID No.	38-3217752
---------------------------	------------

Programs you are enrolled in:

SolarCurrents Program

How to contact us:

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

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

Important Information



Summary Of Charges

Account Number 9100-0005-3785

Previous Balance as of 08/10/2021 12,346.78
Payment(s) and Credit(s) - 12,346.78
Remaining Balance \$0.00

Current Charges

Service Location	Item	Service Type	Rate	Bill Period	Amount
23001 E 9 Mile Rd	7004376662	General Service Municipal Pumping-Net Metering Cat1	EFCND3_WP	08/09 - 09/08/21	11,144.85
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$11,144.85

Amount Due on or before Due Date of 10/04/2021 \$11,144.85

Your current charges are due on October 4, 2021. A 2% late payment charge will be applied if paid after the due date.



Detail Charges

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

Outage Contact Number: 1-313-235-1300

Invoice: 200003205205

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

Days Billed: 31

Metering Information

Meter Number	Start Date	Start Read	Stop Date	Stop Read	Read Difference	Units Multiplier	Usage Used	Type
10056082	08/09	90.6A	09/08	97.2A	6.6	6,400.0000	42,240.0	P - In-V
10056082	08/09	122.5A	09/08	133.1A	10.6	6,400.0000	67,840.0	P - In-W
10056085	08/09	0.0A	09/08	0.0A	0.0	6,400.0000	0.0	P - In-V
10056085	08/09	0.0A	09/08	0.0A	0.0	6,400.0000	0.0	P - In-W
10098716	08/09	0.0A	09/08	0.0A	0.0	- 6400.0000	0.0	P - Out-V
10098716	08/09	0.0A	09/08	0.0A	0.0	- 6400.0000	0.0	P - Out-W
Total KVARH							42,240.00	
Total KWH							67,840.00	

Invoice: 200003205205 Service Name: Chapaton Pumping Station

Item: 7004376662 Cycle: 05

General Service Municipal Pumping-Net Metering Cat1

Billing Status Information

1	On-peak Billing Demand	2324	KW	ESTABLISHED	08/09/2021	16:30
3	65% High OP Bill Dmd June-Oct prec 11 mths	3697	KW	ESTABLISHED	07/16/2021	15:00
8	Highest Single Billing Demand	5842	KW	ESTABLISHED	08/12/2021	07:00
A	Current PV High Monthly Demand	5842	KW	ESTABLISHED	08/12/2021	07:00
B	50% of the Contract Capacity for PV	0	KW			
C	Primary Voltage Maximum Demand	5842	KW	ESTABLISHED	08/12/2021	07:00
	Contract Capacity for Location	6738	KW			
	Power Factor (ratio) for all voltages	84	PCT			
	Total Number of days in the Billing Period	31	DAYS			
	Avg Kilowatthours Used Per Day This Period	2188	KWH			
	Avg Kilowatthours Used Per Day A Year Ago	1813	KWH			
	kWh percentage change from a year ago	21	PCT			
	Metered outflow	0	KWH			
	Net Delivery Billed (inflow)	67840	KWH			
	Net Inflow (In - Out)	67840	KWH			

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

Power Supply Charges:

Power Supply Energy:						
Power Supply Capacity Charge	67,840	KWH	@ \$	0.0390000	Per Total KWH	2,645.76
Power Supply Non Capacity Charge	67,840	KWH	@ \$	0.0434500	Per Total KWH	2,947.65
Surcharges:						
Power Supply Cost Recovery Factor	67,840	KWH	@ \$	0.0032200	Per Total KWH	218.44
Sub Total:						5,811.85

Delivery Charges:

Service Charge						11.25
Distribution:						
Distribution Energy	67,840	KWH	@ \$	0.0386800	Per Total KWH	2,624.05
Surcharges:						
Nuclear Surcharge	67,840	KWH	@ \$	0.0008420	Per Total KWH	57.12
LIEAF Factor	2	MTR	@ \$	0.8700000		1.74
Other Delivery Surcharges						138.84
Sub Total:						2,833.00
Special Facilities Charge						2,500.00

Invoice Subtotal

11,144.85

Michigan State Sales Tax On Taxable Portion

0.00

Invoice Total

\$11,144.85



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 9/22/21
4. SET ID VP210922MA		5. POST DATE

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Fishbeck	V44063	01	404089	9/9/2021	\$ 13,207.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	80138	CC0004	80138	WO19005	8 1/2 Mile Relief	Pjt #190051 through 9/3/21	\$ 13,207.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 13,207.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
As Needed Services

25. Finance Officer: <u>BM/mh</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 Mile Relief</u> 31. Project Balance: <u>\$99,801.09</u> 32. Staff Date: <u>10/12/2021</u> 33. Board Date: <u>10/21/2021</u> 34. Select For Pay Date: _____
---	--

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

WORK ORDER NUMBER WO19005

PROJECT NUMBER WWS-2019-001

PROJECT NAME As-Needed General Engineering Services

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

CONSULTANT NAME Fishbeck

INVOICE DATE 9/8/2021

INVOICE START DATE 8/7/2021

INVOICE END DATE 9/3/2021

ORIGINAL CONTRACT AMOUNT	\$ 151,919.00
CHANGE ORDER TOTAL	\$ 203,732.00
Change Order No. 1	\$ 75,000.00
Change Order No. 2	\$ 128,732.00
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 355,651.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 242,642.91
TOTAL AMOUNT DUE THIS INVOICE	\$ 13,207.00
TOTAL BUDGET REMAINING	\$ 99,801.09
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	

Payment Options

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

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

Invoice : 404089
Invoice Date : 9/9/2021
Project : 190051
Project Name : Macomb Co PW/8.5 As-needed
 Engineering
Bill Term : 1

For Professional Services Rendered Through 9/3/2021

WO19005

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1 - Genral As Needed	27,057.12	27,057.12	0.00	0.00	0.00
1.A - Task 1a - Chapaton Structural Study	46,910.34	0.00	46,910.34	46,910.34	0.00
1.B - Task 1b - 9 Mile Pipe Repair (WO19105)	20,816.15	0.00	20,816.15	20,816.15	0.00
1.C - Task 1c - In-System Storage As-Needed	10,185.00	55.30	10,129.70	10,129.70	0.00
1.D - Task 1d - Office Improvements	21,393.90	0.00	21,393.90	21,393.90	0.00
1.E - Task 1e - Maps	7,500.00	2,281.59	5,842.11	5,218.41	623.70
<i>Rate Labor</i>	82.00				
<i>Expenses</i>	541.70				
1.F - Task 1f - Chapaton Sampling Plan	4,065.60	0.00	4,065.60	4,065.60	0.00
1.G - Task 1g - Chapaton Survey	2,084.25	0.00	2,084.25	2,084.25	0.00
1.H - Task 1h - Chapaton Bar Screen Hydraulic Isolation	2,976.75	0.00	2,976.75	2,976.75	0.00
1.I - Task 1i - Chapaton Environmental Study	8,521.60	0.01	8,521.59	8,521.59	0.00
1.j - Task 1j - Chapaton Flow Meter Drawings	2,680.00	0.00	2,680.00	2,680.00	0.00
1.k - Task 1k - Chapaton High Water Protection	4,783.80	0.00	4,783.80	4,783.80	0.00
1.l - Task 1l - Chapaton 3D Animation	3,557.00	0.00	3,557.00	3,557.00	0.00
1.M - Task 1m - Chapaton Ground Penetrating Radar	4,589.00	0.00	4,589.00	4,589.00	0.00
1.N - Task 1n - Chapaton Div 01 Specs	3,428.00	0.00	3,428.00	3,428.00	0.00
1.O - Task 1o - RTB & 9EB Structural Repair	148,682.00	69,114.62	92,150.68	79,567.38	12,583.30
<i>Rate Labor</i>	82.00				
<i>Expenses</i>	12,501.30				
1.P - Task 1p - SRF 5685-01 Project Plan Amendment	22,500.00	3,999.45	18,500.55	18,500.55	0.00
1.Q - Task 1q - Chapaton Canal Expansion Analysis	3,420.49	0.00	3,420.49	3,420.49	0.00

1.R - Task 1r --8DR Confined Space Entry/LOTO Program	10,500.00	10,500.00	0.00	0.00	0.00
--	-----------	-----------	------	------	------

Current Billings	<u>13,207.00</u>
Amount Due This Bill	<u>13,207.00</u>

1.E - Task 1e - Maps

Rate Labor

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

Expenses

<i>Account / Vendor</i>	<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>
Reproduction Engineering Reproduction Inc	515.90	1.05	541.70
Total Expenses			541.70

Total Bill Task: 1.E - Task 1e - Maps **623.70**

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

Rate Labor

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

Expenses

<i>Account / Vendor</i>	<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>
Subconsultant NTH Consultants Ltd	11,906.00	1.05	12,501.30
Total Expenses			12,501.30

Total Bill Task: 1.O - Task 1o - RTB & 9EB Structural Repair **12,583.30**

Total Project: 190051 - Macomb Co PW/8.5 As-needed Engineering **13,207.00**



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	9/30/21
4. SET ID		5. POST DATE
VP210929MUA		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
JCI JONES CHEMICALS INC	V65297	01	868438	9/29/2021	\$ 4,567.04

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	72650	CC0004	72650	WO18006	8 1/2 Mile Relief	Order #645660; 9/29/21	\$ 4,567.04	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 4,567.04

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>10/12/2021</u></p> <p>33. Board Date: <u>10/18/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	---



www.jcichemicals.com

INVOICE

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

Inv Date	Invoice #
09/29/2021	868438
Date Shipped	Order/BOL #
09/29/2021	645660

Customer Number
 21543215

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

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

Customer PO #	FOB Remark	Freight Terms	Sales ID		
VBL-CHRIS BENDA	Destination	Delivered	NORTH		
Release #	Ship Via	Terms	Due Date		
	Harold Marcu	N 30	10/29/2021		
Discount Due Date			10/29/2021		
Units	Package	Product Name	Total Quantity	Unit Price	Amount
4,452.00	1 Gal Bulk	HYPOCHLORITE SOLUTION, SS150 1201-001 BULK (\$85 Stop Fee) (+ fsc)	4,452.0000/Gal	1.0200 /Gal	4,541.04
General Remarks:		<> EMAIL INVOICE TO: michelle.houvener@macombgov.org <> NET 45000			
		Fuel Surcharge			26.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Total: **4,567.04**

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

PLEASE PAY
 THIS AMOUNT





ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	9/24/21
4. SET ID		5. POST DATE
VP210928MA		

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
Major Brands Oil	V079782	01	0353604-IN	9/22/2021	\$ 1,682.93

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	72613	CC0004	72613	WO18006	8 1/2 Mile Relief	Cust #0021890; Emerson Gear Oil	\$ 1,682.93	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 1,682.93 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/mh</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 Mile Relief</u> 31. Project Balance: <u>N/A</u> 32. Staff Date: <u>10/12/2021</u> 33. Board Date: <u>10/18/2021</u> 34. Select For Pay Date: _____
---	--



Invoice

Major Brands Oil Company, Inc.
 462 W. 23rd St
 Holland, MI 49423
 (800) 968-9000

Invoice Number: 0353604-IN
 Invoice Date: 9/22/2021
 Terms: 2% 10, Net 30 Days
 Customer Number: 0021890

Sold To:
 MACOMB COUNTY OPW
 eBill
 21777 DUNHAM
 Clinton Township, MI 48036
 586-772-3425

Ship To:
 MACOMB COUNTY OPW
 23001 9 MILE RD
 ST. CLAIR SHORES, MI 48080

Chg: 8 1/2 Mile

Customer PO	Order Number:	Salesperson:
Verbal Trevor	0353604	Central House

Item Number		Qty Shipped	Price	Amount
EMHYD68D55	EMERSON HYDRAULIC AW 68 - Drum	2.0000	486.92	973.84
55CORE	55 GAL DRUM CORE	2.0000	20.00	40.00
MOGRXHP222P5	MOBILGREASE XHP 222 -PAIL MO 105842	3.0000	223.03	669.09

Net Invoice:	1,682.93
Freight:	0.00
Sales Tax:	0.00
Invoice Total:	1,682.93



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	9/14/21
4. SET ID		5. POST DATE
VP210915MA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Marino's Landscape	V66876	01	14912	8/31/2021	\$ 1,445.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	92900	CC0004	92900	WO18006	8 1/2 Mile Relief	Lawn Care Aug 2021	\$ 1,445.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 1,445.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/mh</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 Mile Relief</u> 31. Project Balance: <u>N/A</u> 32. Staff Date: <u>9/21/2021</u> 33. Board Date: <u>10/18/2021</u> 34. Select For Pay Date: _____
---	---

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



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

PO #
Invoice # 14912
Invoice Date 8/31/2021
Invoice Balance **1445.00**

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

Date	Description
8/3/2021	Lawn Maintenance
8/10/2021	Lawn Maintenance
8/17/2021	Lawn Maintenance
8/24/2021	Lawn Maintenance
8/31/2021	Lawn Maintenance

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

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

Subtotal 1445.00
Invoice Total 1445.00
Invoice Balance **1445.00**

Client Name Macomb County Public Works Office
For 23001 E. 9 Mile Rd. - Chapaon 8 1/2 Mile, St Clair Shores MI 48080
Invoice # 14912
Invoice Date 8/31/2021
Invoice Balance 1445.00
Amount Enclosed

PAYMENT STUB

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

Card #
 Exp. Date
 Signature

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



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	10/4/21
4. SET ID		5. POST DATE
VP211004 MA		9/30/21

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Marino's Landscape	V66876	01	15568	9/30/2021	\$ 1,156.00

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL		18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)						
A	8200017M	92900	CC0004	92900	WO18006	8 1/2 Mile Relief		Lawn Care Sep 2021	\$ 1,156.00	GEN		
B												
C												
D												
E												
F												
G												

23. Total: \$ 1,156.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>10/12/2021</u></p> <p>33. Board Date: <u>10/18/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	---

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



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

PO #
 Invoice # 15568
 Invoice Date 9/30/2021

Invoice Balance 1156.00

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

Date	Description	Qty	Price	Total
9/7/2021	Lawn Maintenance	1.00	289.00	289.00
9/14/2021	Lawn Maintenance	1.00	289.00	289.00
9/21/2021	Lawn Maintenance	1.00	289.00	289.00
9/28/2021	Lawn Maintenance	1.00	289.00	289.00

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

Subtotal 1156.00
Sales Tax
Invoice Total 1156.00

Invoice Balance 1156.00

Client Name Macomb County Public Works Office
For 23001 E. 9 Mile Rd. - Chapaon 8 1/2 Mile, St Clair Shores MI 48080
Invoice # 15568
Invoice Date 9/30/2021
Invoice Balance 1156.00
Amount Enclosed

PAYMENT STUB

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

Card #	
Exp. Date	
Signature	

Invoices are due by terms listed. A monthly Finance Charge of 1 1/2% will be added monthly to balance 30 days past due.

<http://marinoslandscape.manageandpaymyaccount.com>
 (If you do not have your login information contact our office)
 Thank you for choosing Marino's Landscape.



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	10/6/21
4. SET ID		5. POST DATE
VP211006MB		9/30/21

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Pullman SST, Inc.	V73878	01	WO21008 EST #4	9/27/2021	\$ 219,702.64

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	80126	CC0004	80126	WO21008	8 1/2 Mile Relief	Est #4, 8/27-9/27	\$ 219,702.64	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 219,702.64 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Record retainage of \$24,411.41. Total retainage \$40,952.91

25. Finance Officer: <u>BM/mh</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 Mile Relief</u> 31. Project Balance: <u>\$327,420.95 (includes retainage)</u> 32. Staff Date: <u>10/12/2021</u> 33. Board Date: <u>10/18/2021</u> 34. Select For Pay Date: _____
---	--

Contractor's Application for Payment

Owner: <u>8-1/2 Mile Relief Drain Drainage Dist.</u>	Owner's Project No.: <u>WWS-2021-001</u>
Engineer: <u>NTH Consultants, Ltd.</u>	Engineer's Project No.: <u>61-190017-10</u>
Contractor: <u>Pullman SST, Inc.</u>	Contractor's Project No.: <u>600468</u>
Project: <u>Chapaton Basin and 9 Mile Emergency Bypass Sewer Structural Repairs</u>	
Contract: <u>Chapaton Basin and 9 Mile Emergency Bypass Sewer Structural Repairs</u>	
Application No.: <u>4</u>	Application Date: <u>9/27/2021</u>
Application Period: From <u>8/27/2021</u> to <u>9/27/2021</u>	

1. Original Contract Price	\$	736,950.00
2. Net change by Change Orders	\$	-
3. Current Contract Price (Line 1 + Line 2)	\$	736,950.00
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	\$	409,529.05
5. Retainage		
a. <u>10%</u> X \$ <u>409,529.05</u> Work Completed	\$	40,952.91
b. <u>0%</u> X \$ <u>-</u> Stored Materials	\$	-
c. Total Retainage (Line 5.a + Line 5.b)	\$	40,952.91
6. Amount eligible to date (Line 4 - Line 5.c)	\$	368,576.14
7. Less previous payments (Line 6 from prior application)	\$	148,873.50
8. Amount due this application	\$	219,702.64 ✓
9. Balance to finish, including retainage (Line 3 - Line 4)	\$	327,420.95

Contractor's Certification

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

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

record @ 24,411.41 retainage - Total @ 40,952.91 retained

Contractor: PULLMAN SST, INC.

Signature: James Travnik

Date: 9/27/2021

Recommended by Engineer

By: John Kosnak Digitally signed by John Kosnak
DN: cn=US, e=jkosnak@nthconsultant.com, o=NTH
Consultants, Ltd., ou=John Kosnak
Date: 2021.09.30 17:06:25-0400

Title: Principal Engineer

Date: September 30, 2021

Approved by Funding Agency

By: N/A

Title: _____

Date: _____

Approved by Owner

By: [Signature]

Title: Engineer II

Date: 10/05/2021

By: [Signature]

Title: Operations & Flow Manager

Date: 10/05/2021

Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	8-1/2 Mile Relief Drain Drainage Dist.	Owner's Project No.:	WWS-2021-001
Engineer:	NTH Consultants, Ltd.	Engineer's Project No.:	61-190017-10
Contractor:	Pullman SST, Inc.	Contractor's Project No.:	600468
Project:	Chapaton Basin and 9 Mile Emergency Bypass Sewer Structural Repairs		
Contract:	Chapaton Basin and 9 Mile Emergency Bypass Sewer Structural Repairs		

Application No.: 4 Application Period: From 08/27/21 to 09/27/21 Application Date: 09/27/21

A Bid Item No.	B Description	C Item Quantity	D Units	E Unit Price (\$)	F Value of Bid Item (C X E) (\$)	G Work Completed		I Materials Currently Stored (not in G) (\$)	J Work Completed and Materials Stored to Date (H + I) (\$)	K % of Value of Item (J / F) (%)	L Balance to Finish (F - J) (\$)
						Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) (\$)				
Original Contract											
1	Mobilization / Demobilization	1	LS	36,800.00	36,800.00	90%	33,120.00		33,120.00	90%	3,680.00
2	Permits and Fees (Allowance)	5,000	DLR	1.00	5,000.00		-		-	0%	5,000.00
3	Videos - Surface Progress Vidoes	1	LS	8,890.00	8,890.00		-		-	0%	8,890.00
4	9 Mile Sewer Shallow Concrete Repairs	160	SF	130.00	20,800.00	189.00	24,570.00		24,570.00	118%	(3,770.00)
5	9 Mile Sewer Deep Concrete Repairs (3-inch depth)	710	SF	180.00	127,800.00	261.56	47,080.80		47,080.80	37%	80,719.20
6	9 Mile Sewer Fracture Repair	190	LF	58.00	11,020.00		-		-	0%	11,020.00
7	9 Mile Sewer Hole Repair	5	SF	1,500.00	7,500.00	15.00	22,500.00		22,500.00	300%	(15,000.00)
8	8-1/2 Mile Sewer Chemical Grouting	100	GAL	550.00	55,000.00		-		-	0%	55,000.00
9	8-1/2 Mile Sewer Deep Concrete Repair (3-inch depth)	40	SF	200.00	8,000.00		-		-	0%	8,000.00
10	Chapaton Basin Ceiling Shallow Concrete Repairs	90	SF	130.00	11,700.00	194.00	25,220.00		25,220.00	216%	(13,520.00)
11	Chapaton Basin Ceiling Deep Concrete Repairs (3-inch)	255	SF	175.00	44,625.00	124.33	21,757.75		21,757.75	49%	22,867.25
12	Chapaton Basin Ceiling Crack Repair	140	GAL	550.00	77,000.00	10.00	5,500.00		5,500.00	7%	71,500.00
13	Chapaton Basin Ceiling Column Haunch Repair	100	SF	205.00	20,500.00	50.30	10,311.50		10,311.50	50%	10,188.50
14	Chapaton Basin Ceiling Protective Coating	25,000	SF	4.80	120,000.00	25,000.00	120,000.00		120,000.00	100%	-
15	Chapaton Basin Floor/Walls Shallow Concrete Repair	25	SF	130.00	3,250.00	64.00	8,320.00		8,320.00	256%	(5,070.00)
16	Chapaton Basin Floor/Walls Deep Concrete Repair	25	SF	175.00	4,375.00	29.88	5,229.00		5,229.00	120%	(854.00)
17	Chapaton Basin Floor/Walls Crack Repair (Engineer Directed)	425	LF	60.00	25,500.00	185.00	11,100.00		11,100.00	44%	14,400.00
18	Cathodic Protection Anodes (Engineer Directed)	100	EA	75.00	7,500.00	58.00	4,350.00		4,350.00	58%	3,150.00
19	Chapaton Basin - Clean and Inspect isolated Trench Area	19	EA	760.00	14,440.00	19.00	14,440.00		14,440.00	100%	-
20	Chapaton Basin Joint Repair	250	LF	135.00	33,750.00	141.00	19,035.00		19,035.00	56%	14,715.00
21	Engineer Directed Leak Sealing, Basin and 9 Mile Sewer	100	GAL	550.00	55,000.00		-		-	0%	55,000.00
21.1	Engineer Directed Shallow Concrete Repairs	-	SF	155.00	-	117.00	18,135.00		18,135.00		(18,135.00)
22	Engineer Directed Deep Concrete Repairs	100	SF	205.00	20,500.00	92.00	18,860.00		18,860.00	92%	1,640.00
23	1-Year Warranty Inspection	1	LS	18,000.00	18,000.00		-		-	0%	18,000.00
Original Contract Totals					\$ 736,950.00		\$ 409,529.05	\$ -	\$ 409,529.05	56%	\$ 327,420.95

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

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

Contract No.: WWS-2021-001 _____

Contract Date: _____

Contractor: PULLMAN SST, INC.

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

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

8/27/21 - 9/27/21

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

PULLMAN SST, INC

280 WEST JEFFERSON

TRENTON, MI 48183

Attached Summary, Dated _____

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

CONTRACTOR

By: [Signature]
(Authorized Signature)

Name: JAMES TRAVNIK
(Print Name)

Title: PROJECT MANAGER

Date: 9/29/21

END OF SECTION 00 61 13.19

PARTIAL WAIVER OF LIEN

(To be submitted by the Contractor for all Sub-Contractors and Suppliers with the Contractor's periodic Request for Progress Payment)

To All Whom It May Concern:

WHEREAS, the undersigned has been engaged by (A) 8-1/2 Mile Relief Drain Drainage District to furnish labor and materials for (B) CHAPATON BASIN & 9 MILE EMERGENCY BYPASS SEWER work, under a contract (C) WWS-2021-001 for the improvement at the project described as (D) Chapaton Basin and 9 Mile Emergency Bypass Sewer Structural Repairs in the _____ (City, Township, Village) of County of Macomb, State of Michigan, of which 8-1/2 Mile Relief Drain Drainage District is the Owner.

NOW, THEREFORE, this 5TH day of OCTOBER, 2021, for and in consideration of the sum of (E) \$ 219,702.64 Dollars paid simultaneously herewith, the receipt whereof is hereby acknowledged by the undersigned, the undersigned does hereby waive and release to the extent only of the aforesaid amount, any lien rights to, or claim of lien with respect to and on said above-described project, and the improvements thereon, and on the monies or other considerations due or to become due from the owner, by virtue of said contract, on account of labor, services, materials, fixtures, apparatus or machinery furnished by the undersigned to or for the above-described project, but only to the extent of the payment aforesaid.

(F) PULLMAN SST, INC (SEAL)
(Name of the sole ownership, corporation or partnership)

(Affix corporate seal here)

[Signature] (SEAL)
(Signature)

TITLE: PROJECT MANAGER

INSTRUCTIONS FOR PARTIAL WAIVER

- (A) Name person or firm with whom you agreed to furnish either labor, or services, or materials, or both.
- (B) Fill in nature and extent of work; strike the word labor or the word materials if not in your contract.
- (C) If you have more than one contract on the same premises, describe the contract by number if available, date and extent of work.
- (D) Furnish an accurate enough description of the improvement, and location of the project so that it can be distinguished from any other Contract.
- (E) Amount shown should be the amount actually received on that date.
- (F) If waiver is for the corporation, corporate name should be used, corporate seal affixed and title of officer signing waiver should be set forth; if waiver is for a partnership, the partnership name should be used, partner should sign and designate himself as partner.

END OF SECTION 00 62 90

PULLMAN

August 31, 2021

Attention: Accounts Payable Department

Our payment instructions have now changed. Please update your information as follows:

Electronic Payment – ACH or Wire * Preferred Method*

Bank: Wells Fargo Bank, N.A.
Address: 420 Montgomery San Francisco, CA 94104
Account Name: Pullman SST, Inc
Account Number: 2000048996860
Routing Number: 121000248 (for ACH and Domestic wires)
SWIFT: WFBIUS6S (for international wires)

Remit payments made by check to:

Pullman SST, Inc
PO Box 780056
Philadelphia, PA 19178-0056

Please email your remittance information complete with invoice numbers and invoice amounts to:
arpullman@pullman-services.com

For any questions regarding new payment information please contact Vicky Linton at
vlinton@structuralgroup.com or 410-859-6484.



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 9/29/21
4. SET ID VP210929MUA		5. POST DATE

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
PVS Nolwood Chemicals	V65311	01	733853	9/24/2021	\$ 5,917.54

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	72650	CC0004	72650	WO18006	8 1/2 Mile Relief	Acct #57769; 773309	\$ 5,917.54	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **5,917.54** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>10/12/2021</u></p> <p>33. Board Date: <u>10/18/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	---



PVS Nolwood Chemicals, Inc.

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

michelle.houvener@macombgov.org

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

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

INVOICE
No. 733853

Ship ID: 773309	Load ID: 726208-1	Payment Terms:	Net 30 Days
Sales Order:	726208	Freight Type:	Delivered
Customer PO:	Verbal Chris	Ship Via:	
Invoice / Ship Date:	9/24/2021	Originating Warehouse:	HUBW

SO Line	Quantity Ordered	Ord UOM	Qty to Follow	Product Description	Quantity Shipped	Quantity Invoiced	Inv UOM	Unit Price	Total
1	4,000.00	GA	0.00	PVS N Sodium Hypochlorite 12.5% Bulk	40,705.00	4,031.01950	GA	1.46800	5,917.54

Please Pay This Amount
\$5,917.54

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

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



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	9/29/21
4. SET ID		5. POST DATE
VP210930MA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Swan Analytical Instruments	V67870	01	CD10000504	9/8/2021	\$ 2,992.80

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	93002	CC0004	93002	WO18006	8 1/2 Mile Relief	Cust #625061; Reagent Sets	\$ 1,439.65	GEN		
B	8200017M	72903	CC0004	72903	WO18006	8 1/2 Mile Relief	Cust #625061; Freight	\$ 56.75	GEN		0
C	8200072M	93002				Martin	Cust #625061; Reagent Sets	\$ 1,439.65	GEN		0
D	8200072M	72903				Martin	Cust #625061; Freight	\$ 56.75	GEN		0
E											
F											
G											

23. Total: \$ 2,992.80 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief; Martin</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>10/12/2021</u></p> <p>33. Board Date: <u>10/18/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	---

Invoice

ORIGINAL



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

Order No. Customer No. Invoice No. Invoice Date Page
13003456 24646 CD10000504 9/8/21 1/2

Your Reference **Kirs Benda**
Purchase Order Number **Verbal Kris Benda**
Terms of Payment **30 Days Net**
Real Ship Date **Sep 3, 2021**
Delivery Terms **FCA Incoterms 2020**
Ship Via **Road transport**
Our Reference **Susan Smith**
Our Salesperson **Kevin Forsman**

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

Split Chap & Martin

UPS TRACKING 1ZA154F50349602966, 1ZA154F50351835577

Pos	Part No Description	Sales Qty	Unit Price	Tax %	Net AmountUSD
1	A-85.419.200 Reagent set Oxycon On-line KI, 8 sets. Customs Stat No 3822.0000 Country of Origin CH Lot Batch No 210101 Net weight 2.40 kg Delivery Note(s) 3360	4.00 pcs	258.30	0	1,033.20
2	A-85.410.120 Reagent set Oxycon On-line DPD, 8 sets Customs Stat No 3822.0000 Country of Origin CH Lot Batch No 210703 Net weight 11.20 kg Delivery Note(s) 3360	4.00 pcs	425.30	0	1,701.20
3	A-85.119.010 pH-Calibration set (1x pH 7, 1x pH 9, each 40 ml) Customs Stat No 3822.0000 Country of Origin CH Net weight 0.57 kg	3.00 pcs	48.30	0	144.90

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
13003456 24646 CD10000504 9/8/21 2/2

Pos	Part No Description	Sales Qty	Unit Price	Tax %	Net AmountUSD
	Delivery Note(s)	3360			

Sub Total Amount USD	2,879.30
Freight Charges	113.50
Total Exclusive Tax	2,992.80
Total Tax	0.00
Invoice Amount	USD 2,992.80

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



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	9/7/21
4. SET ID		5. POST DATE
VP210908MA		

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	51780476	9/3/2021	\$ 34,029.50

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017C	80138	CC0033	80138	WO19004	8 1/2 Mile Relief	Pjt #200-16347-19001 thru 8/27/21	\$ 34,029.50	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 34,029.50

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
In-System Storage Devices - MEDC GRANT BALANCE \$434,556.84

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>\$181,334.51</u></p> <p>32. Staff Date: <u>9/21/21</u></p> <p>33. Board Date: <u>10/18/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	---

**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 9/3/2021 (INVOICE 51780476)

INVOICE START DATE 7/24/2021

INVOICE END DATE 8/27/2021

ORIGINAL CONTRACT AMOUNT	\$ 481,098.00
CHANGE ORDER TOTAL	
Change Order No. 1	\$ 949,435.00
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 1,430,533.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 1,215,168.99
TOTAL AMOUNT DUE THIS INVOICE	\$ 34,029.50
TOTAL BUDGET REMAINING	\$ 181,334.51
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



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

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

INVOICE NUMBER: 51780476
INVOICE DATE: 09/03/2021
SERVICES THROUGH: 08/27/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

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

PROFESSIONAL SERVICES:

Project Number 200-16347-19001 **In-System Storage Devices**
Top Task 01BS **Infrastructure Survey Subcontractors**

<u>SUBCONTRACTOR</u>	<u>TYPE</u>	<u>CURRENT AMOUNT</u>
FK ENGINEERING ASSOCIATES	Subcontractor-External	\$949.50
TOTAL SUBCONTRACTOR CHARGES		\$949.50

SUBTOTAL \$949.50

Total Top Task# 01BS \$949.50

Top Task 01D **Basis of Design**

<u>EMPLOYEE</u>	<u>TITLE</u>	<u>CURRENT LABOR HOURS</u>	<u>LABOR RATE</u>	<u>CURRENT LABOR AMOUNT</u>
Boehmke, Brett	Engineer 3	3.00	\$115.00	\$345.00
Voss, Justin D.	Project Engineer 1	1.00	\$155.00	\$155.00
TOTAL LABOR		4.00		\$500.00
		SUBTOTAL		\$500.00

Total Top Task# 01D \$500.00

Top Task 02A **Project Management / Design**

<u>EMPLOYEE</u>	<u>TITLE</u>	<u>CURRENT LABOR HOURS</u>	<u>LABOR RATE</u>	<u>CURRENT LABOR AMOUNT</u>
Rubel, Brian M.	Program Manager	5.00	\$225.00	\$1,125.00
TOTAL LABOR		5.00		\$1,125.00
		SUBTOTAL		\$1,125.00

Total Top Task# 02A \$1,125.00

Top Task 02B **Design**

<u>EMPLOYEE</u>	<u>TITLE</u>	<u>CURRENT LABOR HOURS</u>	<u>LABOR RATE</u>	<u>CURRENT LABOR AMOUNT</u>
Boehmke, Brett	Engineer 3	0.50	\$115.00	\$57.50
Geerlings, Eric P.	Project Engineer 1	67.00	\$155.00	\$10,385.00
Graf, Mitchell J.	Project Manager 2	0.25	\$200.00	\$50.00
Hernandez Davila, Albert D.	Engineer 1	2.00	\$105.00	\$210.00
Johnston, Jeffrey	Engineer 2	2.50	\$115.00	\$287.50

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

INVOICE NUMBER: 51780476
INVOICE DATE: 09/03/2021
SERVICES THROUGH: 08/27/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Kaliman, Roger G.	Sr Engineer 1	8.50	\$180.00	\$1,530.00
Lortz, Thomas J.	CAD Designer	33.00	\$140.00	\$4,620.00
Nolta, Michael C.	Project Administrator	2.00	\$90.00	\$180.00
Paison, William A.	Sr Engineer 1	4.00	\$215.00	\$860.00
Sissoko, Moussa D.	Project Engineer 2	8.00	\$200.00	\$1,600.00
Weston, Cynthia A.	Project Administrator	4.00	\$90.00	\$360.00
TOTAL LABOR		131.75		\$20,140.00
		SUBTOTAL		\$20,140.00

Total Top Task# 02B **\$20,140.00**

Top Task 02BS_FTCH Design - Subcontractor FTCH

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$4,372.50
TOTAL SUBCONTRACTOR CHARGES		\$4,372.50
	SUBTOTAL	\$4,372.50

Total Top Task# 02BS_FTCH **\$4,372.50**

Top Task 02B_TCI Design

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Fortier, Véronique	Sr Modeler	2.50	\$210.00	\$525.00
Robitaille, Luc	Engineer 3	14.75	\$250.00	\$3,687.50
Stewart, Lynn	Sr Administrator	5.50	\$125.00	\$687.50
Tremblay, Simon	Sr Engineer I&C	9.50	\$215.00	\$2,042.50
TOTAL LABOR		32.25		\$6,942.50
	SUBTOTAL			\$6,942.50

Total Top Task# 02B_TCI **\$6,942.50**

Total Project# 200-16347-19001 **\$34,029.50**

TOTAL AMOUNT DUE THIS INVOICE: \$34,029.50

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

INVOICE NUMBER: 51780476
INVOICE DATE: 09/03/2021
SERVICES THROUGH: 08/27/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Gross Contract Summary	
Contract Amount	\$1,430,533.00
Previously Billed	\$1,215,168.99
Current Billing	\$34,029.50
Total Billed to Date	\$1,249,198.49
Contract Balance Remaining	\$181,334.51

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

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



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

INVOICE

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

Invoice Date: 07/15/21
 Total Amount: \$949.50
 Number: 19-102-014
 Invoice Period: 05/02/21 - 07/17/21
 PO Number: 1166826:1
 Project Code: 19-102
 Project: Macomb In-Line Storage

INVOICE SUMMARY

Description	Amount
Task 1 - Study Phase	\$930.25
Task 1 - Study Phase Expenses	\$19.25

Description	Total Budget	Remaining Budget (\$)	Prior Billing (\$)	This Invoice (\$)
Task 1 - Study Phase	\$23,000.00	\$9,521.85	\$12,528.65	\$949.50
Task 2 - Design Phase	\$68,000.00	-\$728.67	\$68,728.67	--
	--	--	--	--
BUDGET TOTALS	\$91,000.00	\$8,793.18	\$81,257.32	\$949.50
TOTAL AMOUNT DUE				\$949.50

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

#184671
 OK to pay when paid
 B. Rubel 7/28/21
 200-16347- 19001.01 BS
 Sub-ERT
 200 WAA



Handwritten initials: RUB



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

INVOICE

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

Invoice Date: 07/15/21
 Total Amount: \$949.50
 Number: 19-102-014
 Invoice Period: 05/02/21 - 07/17/21
 PO Number:
 Project Code: 19-102
 Project: Macomb In-Line Storage

INVOICE DETAILS

Source	Date	Code	Description	Hrs / Qnt	Rate	Amount
Professional Fees						
Margaret O'Reilly	05/03/21	09-Administrative Assistant	Post Schmidt expense	0.25	\$55.00	\$13.75
Margaret O'Reilly	05/06/21	09-Administrative Assistant	draft invoice	0.25	\$55.00	\$13.75
Margaret O'Reilly	05/20/21	09-Administrative Assistant	Revise invoice	0.25	\$55.00	\$13.75
Ava Riley	06/07/21	09-Administrative Assistant	processing payment	0.25	\$55.00	\$13.75
Zachary Carr	06/29/21	02-Principal Engineer/Officer		0.50	\$145.00	\$72.50
Nicholas Kacynski	06/30/21	04-Project Engineer/Geologist		2.00	\$112.00	\$224.00
Ava Riley	07/07/21	09-Administrative Assistant	Processing payment	0.25	\$55.00	\$13.75
Zachary Carr	07/07/21	02-Principal Engineer/Officer	drop manholes	0.50	\$145.00	\$72.50
Matthew Brown	07/12/21	11-Engineering Tech 3		4.25	\$62.00	\$263.50
Matthew Brown	07/13/21	11-Engineering Tech 3	Placing drill hole locations	1.75	\$62.00	\$108.50
Matthew Brown	07/14/21	11-Engineering Tech 3	placing new drill location	1.50	\$62.00	\$93.00
Ava Riley	07/14/21	09-Administrative Assistant	Filing invoices	0.25	\$55.00	\$13.75
Margaret O'Reilly	07/15/21	09-Administrative Assistant	draft invoice	0.25	\$55.00	\$13.75
			Task 1 - Study Phase	12.25		\$930.25
			Professional Fees	12.25		\$930.25
Reimbursable Expenses						
Matthew Brown	07/13/21	PR - Car Mileage	drill locations	35.00	\$0.55	\$19.25
			Task 1 - Study Phase	--		\$19.25
			Reimbursable Expenses	--		\$19.25
			TOTAL FEES/EXPENSES	--		\$949.50

Payment Options

ACH

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

P.O. 1166522:5

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

Invoice : 403260
 Invoice Date : 8/11/2021
 Project : 200732
 Project Name : Macomb Co PW/In-system Storage
 Design Phase
 Bill Term : 1

For Professional Services Rendered Through 8/6/2021

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1C - 8.5 Mile Utility Survey	96,524.00	29,662.70	71,233.80	66,861.30	4,372.50
Rate Labor	4,316.50				
Unit Rate Expense	56.00				
			Current Billings		4,372.50
			Amount Due This Bill		4,372.50

103976

200 - 16347 - 19001.02BS - FTCH
 SUB - EXT
 200 GEN AA

OK to pay when paid
 B. Rubel
 8/16/21




1 - Task 1C - 8.5 Mile Utility Survey

Rate Labor			
<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Production Support	1.00	70.0000	70.00
Senior Engineer	19.50	130.0000	2,535.00
	0.50	175.0000	87.50
Total Senior Engineer	----- 20.00		----- 2,622.50
Senior Technician	14.00	116.0000	1,624.00
	Total Rate Labor		4,316.50
Unit Rate Expenses			
<i>Account / Unit</i>	<i>Quantity</i>	<i>Rate</i>	<i>Amount</i>
Mileage			
Mileage - Employee Vehicle	100.00	0.5600	56.00
	Total Unit Rate Expenses		56.00
Total Bill Task: 1 - Task 1C - 8.5 Mile Utility Survey			4,372.50

Total Project: 200732 - Macomb Co PW/In-system Storage Design Phase **4,372.50**



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	9/7/21
4. SET ID		5. POST DATE
VP210908MA		

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	51780478	8/27/2021	\$ 67,650.17

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	80138	CC0034	80138	WO21018	8 1/2 Mile Relief	Pjt #200-16347-21002 thru 8/27/21	\$ 67,650.17	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 67,650.17

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: _____ BM/mh</p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: _____ 8 1/2 Mile Relief</p> <p>31. Project Balance: _____ \$1,320,417.15</p> <p>32. Staff Date: _____ 9/21/21</p> <p>33. Board Date: _____ 10/18/2021</p> <p>34. Select For Pay Date: _____</p>
--	---

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

WORK ORDER NUMBER

PROJECT NUMBER **WWS-2021-004** (Tetra Tech Proj# 200-16347-21002)

PROJECT NAME 9 MILE PUMP STATION DESIGN

DRAINAGE DISTRICT 8 1/2 Mile Drainage District

CONSULTANT NAME Tetra Tech of Michigan

INVOICE DATE 9/3/2021 (INVOICE 51780478)

INVOICE START DATE 7/24/2021

INVOICE END DATE 8/27/2021

ORIGINAL CONTRACT AMOUNT	\$ 1,476,428.00
CHANGE ORDER TOTAL	
	\$ -
Change Order No. 1	
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 1,476,428.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 88,360.68
TOTAL AMOUNT DUE THIS INVOICE	\$ 67,650.17
TOTAL BUDGET REMAINING	\$ 1,320,417.15
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



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

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

INVOICE NUMBER: 51780478
INVOICE DATE: 09/03/2021
SERVICES THROUGH: 08/27/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Client Contact: Vincent Astorino

PROFESSIONAL SERVICES:

Project Number 200-16347-21002 **Design, Bidding, and Construction Services for Proposed Nine Mile Pump Station**
Top Task 001F **Infrastructure Survey FTCH**

<u>SUBCONTRACTOR</u>	<u>TYPE</u>	<u>CURRENT AMOUNT</u>
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$11,351.92
TOTAL SUBCONTRACTOR CHARGES		\$11,351.92
	SUBTOTAL	\$11,351.92
	Total Top Task# 001F	\$11,351.92

Top Task 002F **Topographic Survey FTCH**

<u>SUBCONTRACTOR</u>	<u>TYPE</u>	<u>CURRENT AMOUNT</u>
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$7,920.31
TOTAL SUBCONTRACTOR CHARGES		\$7,920.31
	SUBTOTAL	\$7,920.31
	Total Top Task# 002F	\$7,920.31

Top Task 003 **Basis of Design**

<u>EMPLOYEE</u>	<u>TITLE</u>	<u>CURRENT LABOR HOURS</u>	<u>LABOR RATE</u>	<u>CURRENT LABOR AMOUNT</u>
Geerlings, Eric P.	Project Engineer 1	72.00	\$140.00	\$10,080.00
Hernandez Davila, Albert D.	Engineer 1	7.50	\$150.00	\$1,125.00
Kaliman, Roger G.	Sr Engineer 1	78.00	\$195.00	\$15,210.00
Rubel, Brian M.	Program Manager	15.00	\$250.00	\$3,750.00
Voss, Justin D.	Project Engineer 1	1.00	\$195.00	\$195.00
TOTAL LABOR		173.50		\$30,360.00
			SUBTOTAL	\$30,360.00
			Total Top Task# 003	\$30,360.00

Top Task 003E **Basis of Design FKE**

<u>SUBCONTRACTOR</u>	<u>TYPE</u>	<u>CURRENT AMOUNT</u>
FK ENGINEERING ASSOCIATES	Subcontractor-External	\$2,047.50
TOTAL SUBCONTRACTOR CHARGES		\$2,047.50
	SUBTOTAL	\$2,047.50

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

INVOICE NUMBER: 51780478
INVOICE DATE: 09/03/2021
SERVICES THROUGH: 08/27/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Total Top Task# 003E \$2,047.50

Top Task 004 Design 30%

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Burkett, Jason L.	Project Engineer 2	2.00	\$215.00	\$430.00
Lortz, Thomas J.	CAD Designer	7.00	\$95.00	\$665.00
Maddela, Titus J.	Project Engineer 2	4.00	\$180.00	\$720.00
Maurer, Timothy L.	Project Engineer 1	38.00	\$180.00	\$6,840.00
Melling, Vickie L.	CAD Technician 3	11.00	\$95.00	\$1,045.00
Paison, William A.	Sr Engineer 1	14.00	\$225.00	\$3,150.00
Sissoko, Moussa D.	Project Engineer 2	17.00	\$180.00	\$3,060.00
TOTAL LABOR		93.00		\$15,910.00
		SUBTOTAL		\$15,910.00

OTHER DIRECT CHARGES	TYPE	CURRENT QUANTITY	UNIT RATE	CURRENT AMOUNT
Paison, William A.	Mileage (unit)	107.92	\$0.56	\$60.44
TOTAL OTHER DIRECT CHARGES				\$60.44
		SUBTOTAL		\$60.44

Total Top Task# 004 \$15,970.44

Total Project# 200-16347-21002 \$67,650.17

TOTAL AMOUNT DUE THIS INVOICE: \$67,650.17

Gross Contract Summary	
Contract Amount	\$1,476,428.00
Previously Billed	\$88,360.68
Current Billing	\$67,650.17
Total Billed to Date	\$156,010.85
Contract Balance Remaining	\$1,320,417.15

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.

1 - Task 1 - Infrastructure Survey - 3D Scan

Rate Labor

<u>Class</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Senior Engineer	14.50	184.0000	2,668.00
	3.50	202.0000	707.00
Total Senior Engineer	18.00		3,375.00
Senior Engineering Specialist	3.50	155.0000	542.50
Senior Technician	27.50	116.0000	3,190.00
Staff Engineer	22.50	98.0000	2,205.00
	12.00	112.0000	1,344.00
Total Staff Engineer	34.50		3,549.00

Total Rate Labor 10,656.50

Unit Rate Expenses

<u>Account / Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
Company Vehicle Use			
Mileage - Company Vehicle	163.00	0.9500	154.85

Total Unit Rate Expenses 154.85

Total Bill Task: 1 - Task 1 - Infrastructure Survey - 3D Scan 10,811.35

2 - Task 2 - Topographical & Boundary Survey

Rate Labor

<u>Class</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Senior Engineer	1.50	202.0000	303.00
	7.00	184.0000	1,288.00
Total Senior Engineer	8.50		1,591.00
Senior Surveyor	14.00	145.0000	2,030.00
	14.00	167.0000	2,338.00
Total Senior Surveyor	28.00		4,368.00
Staff Technician	16.50	63.0000	1,039.50

Total Rate Labor 6,998.50

Unit Rate Expenses

<u>Account / Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
Company Vehicle Use			
Mileage - Company Vehicle	479.00	0.9500	455.05
Total Company Vehicle Use			455.05

Mileage

Mileage - Employee Vehicle	160.00	0.5600	89.60
Total Mileage			89.60

Total Unit Rate Expenses 544.65

Total Bill Task: 2 - Task 2 - Topographical & Boundary Survey 7,543.15

Total Project: 210764 - Macomb Co PW/9 Mile Pump Station 18,354.50



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

INVOICE

Tetra Tech

1005 River Street, Suite 1
 Port Huron, MI 48079

Invoice Date: 08/17/21
 Total Amount: \$1,950.00
 Number: 21-078-001
 Invoice Period: 06/01/21 - 08/14/21
 PO Number: **11E1484:2**
 Project Code: 21-078
 Project: Macomb Nine Mile Pump Station

INVOICE SUMMARY

Description	Amount
Basis of Design	\$1,950.00
30% Design	--
Final Design	--

Description	Total Budget	Remaining Budget (\$)	Prior Billing (\$)	This Invoice (\$)
Basis of Design	\$20,000.00	\$18,050.00	--	\$1,950.00
30% Design	\$73,000.00	\$73,000.00	--	--
Final Design	\$22,000.00	\$22,000.00	--	--
BUDGET TOTALS	\$115,000.00	\$113,050.00	--	\$1,950.00

TOTAL AMOUNT DUE **\$1,950.00**

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

#184671

OK to pay when paid
 B. Rubel
 8/17/21

200-16347-21002.003E
 SUB-EXT
 200 LEW AA



Handwritten initials



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	10/6/21
4. SET ID		5. POST DATE
VP211006MB		9/30/21

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Tetra Tech, Inc.	V16060	02	51799421	9/30/2021	\$ 51,072.91

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017C	80138	CC0033	80138	WO19004	8 1/2 Mile Relief	Pjt #200-16347-19001 thru 9/30/21	\$ 51,072.91	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 51,072.91 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

In-System Storage Devices - MEDC GRANT BALANCE \$383,483.93

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>\$130,261.60</u></p> <p>32. Staff Date: <u>10/12/2021</u></p> <p>33. Board Date: <u>10/18/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--

**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 10/6/2021 (INVOICE 51799421)

INVOICE START DATE 8/28/2021

INVOICE END DATE 9/30/2021

ORIGINAL CONTRACT AMOUNT	\$ 481,098.00
CHANGE ORDER TOTAL	
Change Order No. 1	\$ 949,435.00
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 1,430,533.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 1,249,198.49
TOTAL AMOUNT DUE THIS INVOICE	\$ 51,072.91
TOTAL BUDGET REMAINING	\$ 130,261.60
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



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

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

INVOICE NUMBER: 51799421
INVOICE DATE: 10/06/2021
SERVICES THROUGH: 09/30/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

ESA dated 10July 2019

Client Contact: Vince Astorino. Email vincent.astorino@macombgov.org

PROFESSIONAL SERVICES:

Project Number 200-16347-19001 In-System Storage Devices
Top Task 01BS Infrastructure Survey Subcontractors

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FK ENGINEERING ASSOCIATES	Subcontractor-External	\$793.18
TOTAL SUBCONTRACTOR CHARGES		\$793.18
SUBTOTAL		\$793.18
Total Top Task# 01BS		\$793.18

Top Task 01DS Basis of Design Subcontractors

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FK ENGINEERING ASSOCIATES	Subcontractor-External	\$4,737.12
TOTAL SUBCONTRACTOR CHARGES		\$4,737.12
SUBTOTAL		\$4,737.12
Total Top Task# 01DS		\$4,737.12

Top Task 02A Project Management / Design

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Rubel, Brian M.	Program Manager	7.00	\$225.00	\$1,575.00
TOTAL LABOR		7.00		\$1,575.00
SUBTOTAL				\$1,575.00
Total Top Task# 02A				\$1,575.00

Top Task 02B Design

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Boehmke, Brett	Engineer 3	20.50	\$115.00	\$2,357.50
D'Isabella, Linda A.	Architect	21.00	\$150.00	\$3,150.00
Geerlings, Eric P.	Project Engineer 1	26.50	\$155.00	\$4,107.50
Graf, Mitchell J.	Project Manager 2	1.50	\$200.00	\$300.00
Johnston, Jeffrey	Engineer 2	4.50	\$115.00	\$517.50
Jones, Gene	Sr Engineer 1	2.00	\$250.00	\$500.00

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

INVOICE NUMBER: 51799421
INVOICE DATE: 10/06/2021
SERVICES THROUGH: 09/30/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Kaliman, Roger G.	Sr Engineer 1	59.00	\$180.00	\$10,620.00
Lortz, Thomas J.	CAD Designer	12.00	\$140.00	\$1,680.00
Maurer, Timothy L.	Project Engineer 1	0.50	\$125.00	\$62.50
Paison, William A.	Sr Engineer 1	8.00	\$215.00	\$1,720.00
Rojas, Jeremias D.	CAD Designer	7.00	\$90.00	\$630.00
Sissoko, Moussa D.	Project Engineer 2	18.50	\$200.00	\$3,700.00
Tervo, Jeffrey A.	CAD Technician 2	2.00	\$140.00	\$280.00
Weston, Cynthia A.	Project Administrator	1.00	\$90.00	\$90.00
Yanakiev, Rositsa S.	Architectural Designer 3	7.50	\$115.00	\$862.50
TOTAL LABOR		191.50		\$30,577.50
		SUBTOTAL		\$30,577.50

Total Top Task# 02B **\$30,577.50**

Top Task 02BS_FTCH Design - Subcontractor FTCH

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$6,894.50
TOTAL SUBCONTRACTOR CHARGES		\$6,894.50
	SUBTOTAL	\$6,894.50

Total Top Task# 02BS_FTCH **\$6,894.50**

Top Task 02B_TCI Design

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Fortier, Véronique	Sr Modeler	1.00	\$210.00	\$210.00
Robitaille, Luc	Engineer 3	14.00	\$250.00	\$3,500.00
Stewart, Lynn	Sr Administrator	1.50	\$125.00	\$187.50
Tremblay, Simon	Sr Engineer I&C	12.00	\$215.00	\$2,580.00
TOTAL LABOR		28.50		\$6,477.50
	SUBTOTAL			\$6,477.50

Total Top Task# 02B_TCI **\$6,477.50**

Top Task 02C Bidding

OTHER DIRECT CHARGES	TYPE	CURRENT QUANTITY	UNIT RATE	CURRENT AMOUNT
FEDERAL EXPRESS CORPORATION	Shipping - Overnight			\$18.11
TOTAL OTHER DIRECT CHARGES				\$18.11
	SUBTOTAL			\$18.11

Total Top Task# 02C **\$18.11**

Total Project# 200-16347-19001 **\$51,072.91**

TOTAL AMOUNT DUE THIS INVOICE: **\$51,072.91**

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

INVOICE NUMBER: 51799421
INVOICE DATE: 10/06/2021
SERVICES THROUGH: 09/30/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Gross Contract Summary	
Contract Amount	\$1,430,533.00
Previously Billed	\$1,249,198.49
Current Billing	\$51,072.91
Total Billed to Date	\$1,300,271.40
Contract Balance Remaining	\$130,261.60

REMIT PAYMENT TO:

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



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

INVOICE

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

Invoice Date: 08/19/21
 Total Amount: \$5,530.30
 Number: 19-102-015
 Invoice Period: 07/18/21 - 08/14/21
 PO Number: **1166826!X**
 Project Code: 19-102
 Project: Macomb In-Line Storage

(1) - 793.18 .01BS
 (2) - 4737.12 .01DS

INVOICE SUMMARY

Description	Amount
Task 1 - Study Phase	\$3,493.50
Task 1 - Study Phase Expenses	\$2,036.80

Description	Total Budget	Remaining Budget (\$)	Prior Billing (\$)	This Invoice (\$)
Task 1 - Study Phase	\$23,000.00	\$3,991.55	\$13,478.15	\$5,530.30
Task 2 - Design Phase	\$68,000.00	-\$728.67	\$68,728.67	--
	--	--	--	--
BUDGET TOTALS	\$91,000.00	\$3,262.88	\$82,206.82	\$5,530.30
TOTAL AMOUNT DUE				\$5,530.30

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

A 184671

OK to pay when paid
 B. Rubel
 8/31/21

200-16347-19001. XXX
 SUB-EXT
 200 IEL AA



DWP



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

INVOICE

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

Invoice Date: 08/19/21
 Total Amount: \$5,530.30
 Number: 19-102-015
 Invoice Period: 07/18/21 - 08/14/21
 PO Number:
 Project Code: 19-102
 Project: Macomb In-Line Storage

INVOICE DETAILS

Source	Date	Code	Description	Hrs / Qnt	Rate	Amount
Professional Fees						
Zachary Carr	07/19/21	02-Principal Engineer/Officer	TB layout and drilling coordination	2.00	\$145.00	\$290.00
Margaret O'Reilly	07/20/21	09-Administrative Assistant	new budget processing	0.25	\$55.00	\$13.75
Steven Moorhead	07/20/21	06-Staff Engineer/Geologist		2.00	\$85.00	\$170.00
Zachary Carr	07/20/21	02-Principal Engineer/Officer	field drilling follow-up	0.50	\$145.00	\$72.50
Courtney Muchez	07/20/21	06-Staff Engineer/Geologist	drilling	4.50	\$85.00	\$382.50
Courtney Muchez	07/22/21	06-Staff Engineer/Geologist		2.00	\$85.00	\$170.00
Matthew Brown	07/27/21	11-Engineering Tech 3	testing soil	2.50	\$62.00	\$155.00
Benjamin Guertin	07/27/21	06-Staff Engineer/Geologist	UCS testing	1.50	\$85.00	\$127.50
Matthew Brown	07/28/21	11-Engineering Tech 3	testing	0.75	\$62.00	\$46.50
Margaret O'Reilly	07/28/21	09-Administrative Assistant	Revise, finalize, and send invoice	0.25	\$55.00	\$13.75
Matthew Brown	07/29/21	11-Engineering Tech 3	testing	1.25	\$62.00	\$77.50
Benjamin Guertin	07/29/21	06-Staff Engineer/Geologist	soil testing, atterbergs	0.25	\$85.00	\$21.25
Ava Riley	07/29/21	09-Administrative Assistant	Filing invoices	0.25	\$55.00	\$13.75
Matthew Brown	07/30/21	11-Engineering Tech 3	testing	4.25	\$62.00	\$263.50
Margaret O'Reilly	08/02/21	09-Administrative Assistant	Post July truck usage #3 Post July truck usage #5	0.50	\$55.00	\$27.50
Courtney Muchez	08/02/21	06-Staff Engineer/Geologist	put together lab tab and finished processing all data	1.50	\$85.00	\$127.50
Matthew Brown	08/02/21	11-Engineering Tech 3	finishing testing	1.00	\$62.00	\$62.00
Steven Moorhead	08/02/21	06-Staff Engineer/Geologist		2.50	\$85.00	\$212.50
Steven Moorhead	08/03/21	06-Staff Engineer/Geologist		3.75	\$85.00	\$318.75
Courtney Muchez	08/03/21	06-Staff Engineer/Geologist	sent all site pics to steve for data report	0.50	\$85.00	\$42.50



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

INVOICE

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

Invoice Date: 08/19/21
 Total Amount: \$5,530.30
 Number: 19-102-015
 Invoice Period: 07/18/21 - 08/14/21
 PO Number:
 Project Code: 19-102
 Project: Macomb In-Line Storage

INVOICE DETAILS

Source	Date	Code	Description	Hrs / Qnt	Rate	Amount
James Elsey	08/03/21	04-Project Engineer/Geologist		1.25	\$112.00	\$140.00
Margaret O'Reilly	08/04/21	09-Administrative Assistant	Post Schmidt expense	0.25	\$55.00	\$13.75
Steven Moorhead	08/05/21	06-Staff Engineer/Geologist		0.50	\$85.00	\$42.50
Steven Moorhead	08/06/21	06-Staff Engineer/Geologist		0.50	\$85.00	\$42.50
Zachary Carr	08/12/21	02-Principal Engineer/Officer	Data report	2.00	\$145.00	\$290.00
Zachary Carr	08/13/21	02-Principal Engineer/Officer	Dats report	0.50	\$145.00	\$72.50
Nicholas Kacynski	08/13/21	04-Project Engineer/Geologist	Memo and passive	2.00	\$112.00	\$224.00
Nicholas Bassett	08/13/21	03-Senior Project Engineer/Geologist	memo review	0.50	\$120.00	\$60.00
				Task 1 - Study Phase	39.50	\$3,493.50
				Professional Fees	39.50	\$3,493.50
Reimbursable Expenses						
Zachary Carr	07/19/21	PR - Car Mileage	mileage over normal commute to layout test borings for Tuesday	20.00	\$0.55	\$11.00
Courtney Muchez	07/20/21	PR-General Field Equipment Daily	used hand auger and a shovel	1.00	\$150.00	\$150.00
Admin -	07/20/21	PR-Truck Usage Daily	Daily truck usage up to 50 miles per day #5 Ram 1500	1.00	\$95.00	\$95.00
Admin -	07/30/21	PR-Subcontractor Expense	19-102 Schmidt #21-024 \$1590.	1,590.00	\$1.12	\$1,780.80
				Task 1 - Study Phase	1,612.00	\$2,036.80
				Reimbursable Expenses	1,612.00	\$2,036.80
				TOTAL FEES/EXPENSES	--	\$5,530.30

Schmidt Drilling Co.

7079 Stony Creek Rd.
 Ypsilanti, MI. 48197
www.schmidtdrilling.com
 Matt Schmidt 734-377-5338

Invoice

Invoice #21-024

To: FK Engineering- Zach Carr
 30425 Stephenson Hwy.
 Madison Heights, MI 48071
 248-817-2946

Invoice Date: 7/30/21
 Date Drilled: 7/20/21

DESCRIPTION	QTY	UNIT PRICE	TOTAL
Scope of Work: 1x 35ft boring at Greater Mack and Gaukler St in StClair Shores and 1x 35ft boring at Kelly Rd and Oak St. in Eastpointe. Both borings standards sampling and backfill with cuttings.			
Mobilization fee	1	\$500	500.00
Standard Drilling includes standard sampling	70 ft	\$15	1050.00
Sample jars	2 boxes	\$20	40.00

SUBTOTAL 1590.00

Total Due: 1590.00

Thank you for your business!

Invoice Total \$ 1,590.00

RECEIVED
 JUL 30 2021

BY: *No*

No

RECEIVED
 8/4/21

19-102
Task 1
\$1,590.00
Z Carr 8/4/21

Schmidt Drilling Co.

DAILY SHEFT REPORT

Date: 7-20-21

Job No.: 21-024

Rig Make & Model No.: CME 75

Client: FKE

Driller: Matt

Job Location: Greater Mack / Gaukler St + St. Clair Shores
Kelly Rd + Oak St Eastpointe

Helper: Gloria

Inspector: Courtney

auktion

Booth ID	Method of Advancement	Depth & Spacing Interval	Sampler & # of Samples	Backfill / Instrumentation / Tooling
TB1	hsa	35' ST	SS 9	Backfill w/ cuttings
TB2	hsa	35' ST	SS 9	"

elly

Remarks:

2 boxes of jars

Major Charges	Hours	Equipment & Personnel	Travel	Mile	Hours
Testing (Describe in remarks)		Truck Mounted Drill Rig	Traffic Control - Signs and Cones	Rig Mobil/Demobil	
Water Handling		ATV Mounted Drill Rig	Traffic Control - Flags	Decon/Bed/Box Mobil/Demobil	
Asphalt/Concrete Coring (# of cores)		Water Trailer	Station Cleaner	Support Truck Mobil/Demobil	
Standby (Describe in remarks)		Crew Truck	Generator	Crew Travel	
Clearcut/Cuttings Disposal		Decon/Bed/Box	Prevent Coring Machine	DRILLER: Matt Schmidt	
Other		Pump	Other (Explain in remarks)	INSPECTOR: Courtney	

BO11932542

BO1193253



#5 Ram 1500
 Mileage Log
 July 2021

Date	Time	Project Number & Project Name	Project Task	Odometer		Total Mileage Driven	Emp. Initials
				Start	Finish		
7-2	1:38	19-128	UMP	29284	29322	38	NDS
7-6	8:00	17-101 Outfalls	5.9	29322	29358	36	CAM
7-7	8:00	17-101 Outfalls	5.9	29358	29397	39	CAM
7-8	8:00	17-101 Outfalls	5.9	29397	29426	29	CAM
7-9	8:00	20-111 Clairpointe	Task 13	29426	29462	36	SAK
7-9	12:30	21-063	Task 1	29462	29529	67	BJS
7-10	7:00	18-018 NEA Conc.		29529	29546	17	KSH
7-10	12:15	21-092 Density		29546	29566	20	KSH
7-12	6:40	20-111 Clairpointe	Task 13	29566	29605	41	SAK
7/13	8:00	17-101 Outfalls	TASK 5.9	29605	29639	34	CAM
7/15	8:00	19-155		29640	29682	42	WJA
7/16	7:30	21-095	Drilling	29682	29728	30033	CAM
7/19	7:00	21-089 North Belding SS	Drilling	29728	30033	305	CAM
7/20	7:30	19-102 task 1	Drilling	30033	30059	26	CAM
7/20	8:00	21-084	Drilling	30059	30105	46	CAM
7/21	7:30	21-084	Drilling	30105	30150	45	CAM
7/22	8:30	20-004	5	30150	30186	36	BJS
7/22	11:00	20-074	6	30186	30221	35	BJS
7/23	5:30 AM	20-091	TASK 5	30221	30708	487	LAM
7/26	9:30	14-042	Years	30708	30746	38	CAM
7/27	8:00	17-101 out Outfalls	5.9	30746	30798	52	CAM
7/28	8:30	14-042 Intakes	Years	30793	30818	25	CAM
7/28	9:30	17-101 out Outfalls	5.9	30818	30852	34	CAM
7/29		19-155	7a	30852	30880	28	BQS
7/30	8:00	21-046	Coolidge Primary	30880	30909	29	CAM

14-042 - 2 days

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

P.O. 1166522!5

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

Invoice: 404038
Invoice Date: 9/8/2021
Project: 200732
Project Name: Macomb Co PW/In-system Storage
 Design Phase
Bill Term: 1

For Professional Services Rendered Through 9/3/2021

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1C - 8.5 Mile Utility Survey	96,524.00	25,290.20	78,128.30	71,233.80	6,894.50
Rate Labor		6,894.50			

Current Billings 6,894.50
Amount Due This Bill 6,894.50

103976
 200-16347-19001.02BS-FTCH
 SUB-EXT
 200 IEN AA

OK to pay
 B. Rubel
 9/13/21



DAD

1 - Task 1C - 8.5 Mile Utility Survey

<u>Rate Labor</u> <u>Class</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Production Support	0.50	70.0000	35.00
Senior Engineer	22.50	163.0000	3,667.50
	2.00	175.0000	350.00
Total Senior Engineer	----- 24.50		----- 4,017.50
Senior Technician	24.50	116.0000	2,842.00
		Total Rate Labor	6,894.50
Total Bill Task: 1 - Task 1C - 8.5 Mile Utility Survey			6,894.50

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

6,894.50



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	10/6/21
4. SET ID		5. POST DATE
VP211006MB		9/30/21

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Tetra Tech, Inc.	V16060	02	51799418	10/6/2021	\$ 40,622.08

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	80138	CC0034	80138	WO21018	8 1/2 Mile Relief	Pjt #200-16347-21002 thru 9/30/21	\$ 40,622.08	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 40,622.08

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>\$1,279,795.07</u></p> <p>32. Staff Date: <u>10/12/2021</u></p> <p>33. Board Date: <u>10/18/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--

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

WORK ORDER NUMBER

PROJECT NUMBER **WWS-2021-004** (Tetra Tech Proj# 200-16347-21002)

PROJECT NAME 9 MILE PUMP STATION DESIGN

DRAINAGE DISTRICT 8 1/2 Mile Drainage District

CONSULTANT NAME Tetra Tech of Michigan

INVOICE DATE 10/6/2021 (INVOICE 51799418)

INVOICE START DATE 8/28/2021

INVOICE END DATE 9/30/2021

ORIGINAL CONTRACT AMOUNT	\$	1,476,428.00
CHANGE ORDER TOTAL		
	\$	-
Change Order No. 1		
Change Order No. 2		
Change Order No. 3		
Change Order No. 4		
TOTAL REVISED CONTRACT AMOUNT	\$	1,476,428.00
(includes all approved change orders only)		
TOTAL AMOUNT PREVIOUSLY INVOICED	\$	156,010.85
TOTAL AMOUNT DUE THIS INVOICE	\$	40,622.08
TOTAL BUDGET REMAINING	\$	1,279,795.07
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)		



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

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

INVOICE NUMBER: 51799418
INVOICE DATE: 10/06/2021
SERVICES THROUGH: 09/30/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Client Contact: Vincent Astorino

PROFESSIONAL SERVICES:

Project Number 200-16347-21002 **Design, Bidding, and Construction Services for Proposed Nine Mile Pump Station**
Top Task 001 **Infrastructure Survey**

OTHER DIRECT CHARGES	TYPE	CURRENT QUANTITY	UNIT RATE	CURRENT AMOUNT
Rubel, Brian M.	Mileage (unit)	105.64	\$0.56	\$59.16
TOTAL OTHER DIRECT CHARGES				\$59.16
SUBTOTAL				\$59.16
Total Top Task# 001				\$59.16

Top Task 001F **Infrastructure Survey FTCH**

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$3,498.60
TOTAL SUBCONTRACTOR CHARGES		\$3,498.60
SUBTOTAL		\$3,498.60
Total Top Task# 001F		\$3,498.60

Top Task 002F **Topographic Survey FTCH**

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$4,911.27
TOTAL SUBCONTRACTOR CHARGES		\$4,911.27
SUBTOTAL		\$4,911.27
Total Top Task# 002F		\$4,911.27

Top Task 003 **Basis of Design**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Biagi, James Q.	Project Manager 2	5.00	\$195.00	\$975.00
Geerlings, Eric P.	Project Engineer 1	73.00	\$140.00	\$10,220.00
Hernandez Davila, Albert D.	Engineer 1	5.00	\$150.00	\$750.00
Kaliman, Roger G.	Sr Engineer 1	25.50	\$195.00	\$4,972.50
Rubel, Brian M.	Program Manager	13.00	\$250.00	\$3,250.00
TOTAL LABOR		121.50		\$20,167.50
		SUBTOTAL		\$20,167.50

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

INVOICE NUMBER: 51799418
INVOICE DATE: 10/06/2021
SERVICES THROUGH: 09/30/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Total Top Task# 003 **\$20,167.50**

Top Task 003F Basis of Design FTCH

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$2,720.55
TOTAL SUBCONTRACTOR CHARGES		\$2,720.55
	SUBTOTAL	\$2,720.55

Total Top Task# 003F **\$2,720.55**

Top Task 004 Design 30%

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
D'Isabella, Linda A.	Architect	2.00	\$150.00	\$300.00
Lortz, Thomas J.	CAD Designer	11.00	\$95.00	\$1,045.00
Maurer, Timothy L.	Project Engineer 1	11.00	\$180.00	\$1,980.00
Paison, William A.	Sr Engineer 1	12.00	\$225.00	\$2,700.00
Sissoko, Moussa D.	Project Engineer 2	18.00	\$180.00	\$3,240.00
TOTAL LABOR		54.00		\$9,265.00
	SUBTOTAL			\$9,265.00

Total Top Task# 004 **\$9,265.00**

Total Project# 200-16347-21002 **\$40,622.08**

TOTAL AMOUNT DUE THIS INVOICE: **\$40,622.08**

Gross Contract Summary	
Contract Amount	\$1,476,428.00
Previously Billed	\$156,010.85
Current Billing	\$40,622.08
Total Billed to Date	\$196,632.93
Contract Balance Remaining	\$1,279,795.07

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

ACH

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



P.O. 1181485: X

Invoice: 404062
 Invoice Date: 9/8/2021
 Project: 210764
 Project Name: Macomb Co PW/9 Mile Pump Station
 Bill Term: 1

For Professional Services Rendered Through 9/3/2021

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1 - Infrastructure Survey - 3D Scan	44,000.00	4,183.00	43,149.00	39,817.00	3,332.00 (5)
Rate Labor	3,332.00				.001F
2 - Task 2 - Topographical & Boundary Survey	53,000.00	40,661.85	17,015.55	12,338.15	4,677.40 (6)
Rate Labor	4,476.00				.002F
Unit Rate Expense	201.40				
3 - Task 3 - Basis of Design	29,500.00	29,500.00	2,591.00	0.00	2,591.00 (2)
Rate Labor	2,591.00				.003F
4 - Task 4 - 30% Design	49,500.00	49,500.00	0.00	0.00	0.00
5 - Task 5 - CMAA Bidding	0.00	0.00	0.00	0.00	0.00
6 - Task 6 - Final Design	0.00	0.00	0.00	0.00	0.00
				Current Billings	<u>10,600.40</u>
				Amount Due This Bill	<u>10,600.40</u>

OK to pay when paid
 B. Rubel
 9/8/21

103916
 200-16347-21002
 .003F - 2591.00
 .001F - 3332.00
 .002F - 4677.40
 sub-GFI
 200 IEW AA

DWB

1 - Task 1 - Infrastructure Survey - 3D Scan

Rate Labor

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Senior Engineer	1.00	184.0000	184.00
Senior Technician	3.00	116.0000	348.00
Staff Engineer	25.00	112.0000	2,800.00
Total Rate Labor			3,332.00

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

3,332.00

2 - Task 2 - Topographical & Boundary Survey

Rate Labor

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Senior Surveyor	20.00	167.0000	3,340.00
Senior Technician	0.50	116.0000	58.00
Surveyor	11.00	98.0000	1,078.00
Total Rate Labor			4,476.00

Unit Rate Expenses

<i>Account / Unit</i>	<i>Quantity</i>	<i>Rate</i>	<i>Amount</i>
Company Vehicle Use			
Mileage - Company Vehicle	212.00	0.9500	201.40
Total Unit Rate Expenses			201.40

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

4,677.40

3 - Task 3 - Basis of Design

Rate Labor

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Senior Engineer	1.50	202.0000	303.00
	10.00	184.0000	1,840.00
Total Senior Engineer	11.50		2,143.00
Staff Engineer	4.00	112.0000	448.00
Total Rate Labor			2,591.00

Total Bill Task: 3 - Task 3 - Basis of Design

2,591.00

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

10,600.40

Budget to Actual
8.5 Mile Relief
As of Sept 30, 2021 = 100%

DESCRIPTION	2021 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Interest Earned	175,000		24,422	150,578	14.0%
Other Revenue	4,000		65,780	(61,780)	1644.5%
8.5 O&M/Charge Required Revenue	4,509,865		4,509,865	-	100.0%
PY Revenue-Fund Balance	4,522,050			4,522,050	0.0%
Rental Fee	16,460		-	16,460	0.0%
<i>Total Revenue Accounts</i>	9,227,375	-	4,600,067	4,627,308	49.9%
EXPENSE ACCOUNTS					
Application/Permit Fee	6,000		6,000	-	100.0%
Dues, Training, Conf, Subs.	12,850		7,041	5,809	54.8%
<u>Engineering</u>					
Flushing sys-Design In 2022 budget changed to 9 Mile PS	1,328,480		156,926	1,171,554	11.8%
Equipment Hatch crane replacement	100,000		23,540	76,460	23.5%
9 Mile Bypass Pipe Structural Repairs	1,250,000		257,566	992,434	20.6%
As needed Engineering	87,810		25,942	61,868	29.5%
Chapaton Improvements-Office Space	820,000		740,508	79,492	90.3%
Disinfection system upgrade (Design and Construction)	901,625		818,240	83,385	90.8%
Chapaton Improvements-Lab Relocation	166,910			166,910	0.0%
In-System Storage-Construction & Const Admin	2,250,000		7,528	2,242,472	0.3%
9 Mile Bypass Design	44,165			44,165	0.0%
New Equipment ⁽¹⁾	15,500		31,219	(15,719)	201.4%
Office Supplies	750		678	72	90.4%
Operating Supplies	63,700		64,147	(447)	100.7%
Other Professional Svcs	46,700		42,444	4,256	90.9%
Personnel Services	1,061,320		763,423	297,897	71.9%
Repair & Maintenance	161,000		153,909	7,091	95.6%
Pumping and screening improvements	211,540		200,069	11,471	94.6%
SRF Replacement Reserve	259,215		259,215	-	100.0%
Scada System	165,710		109,367	56,343	66.0%
Utilities	274,100		263,945	10,155	96.3%
<i>Total Expense Accounts</i>	9,227,375	-	3,931,709	5,295,666	42.6%

	O&M Balance 9/30/2020	O&M	Total 9/30/2021
Cash - Operating	12,629,705	668,358	13,298,063
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		4,600,067	4,600,067
Expenditures		3,931,709	3,931,709
			0
Equity*	12,629,705		13,298,063

Detail of 2020 Equity*

Disinfection system upgrade (Design and Construction)	832,752	Pumping and screening improve	319,594
Chapaton Improvements-Office Space/HVAC	736,909	SCADA Reserve	84,385
Chapaton Improvements-Lab Relocation	250,000	Capital Reserve	1,118,359
LSCWWI 04B Transfer	738,112	PLC Replacements at Chapaton Ea:	40,000
Project Contribution from Macomb Cty	2,000,000	As Needed Engineering	88,981
In System Contribution from SEMSD	1,000,000	Design 9 Mile Bypass	27,283
Expansion Contribution From State	975,109	Flushing Study	75,000
In-System Storage Design/Const Admin/Const	2,250,000	Pickup Truck ⁽¹⁾	19,500
SRF Replacement Reserve	2,073,720		