

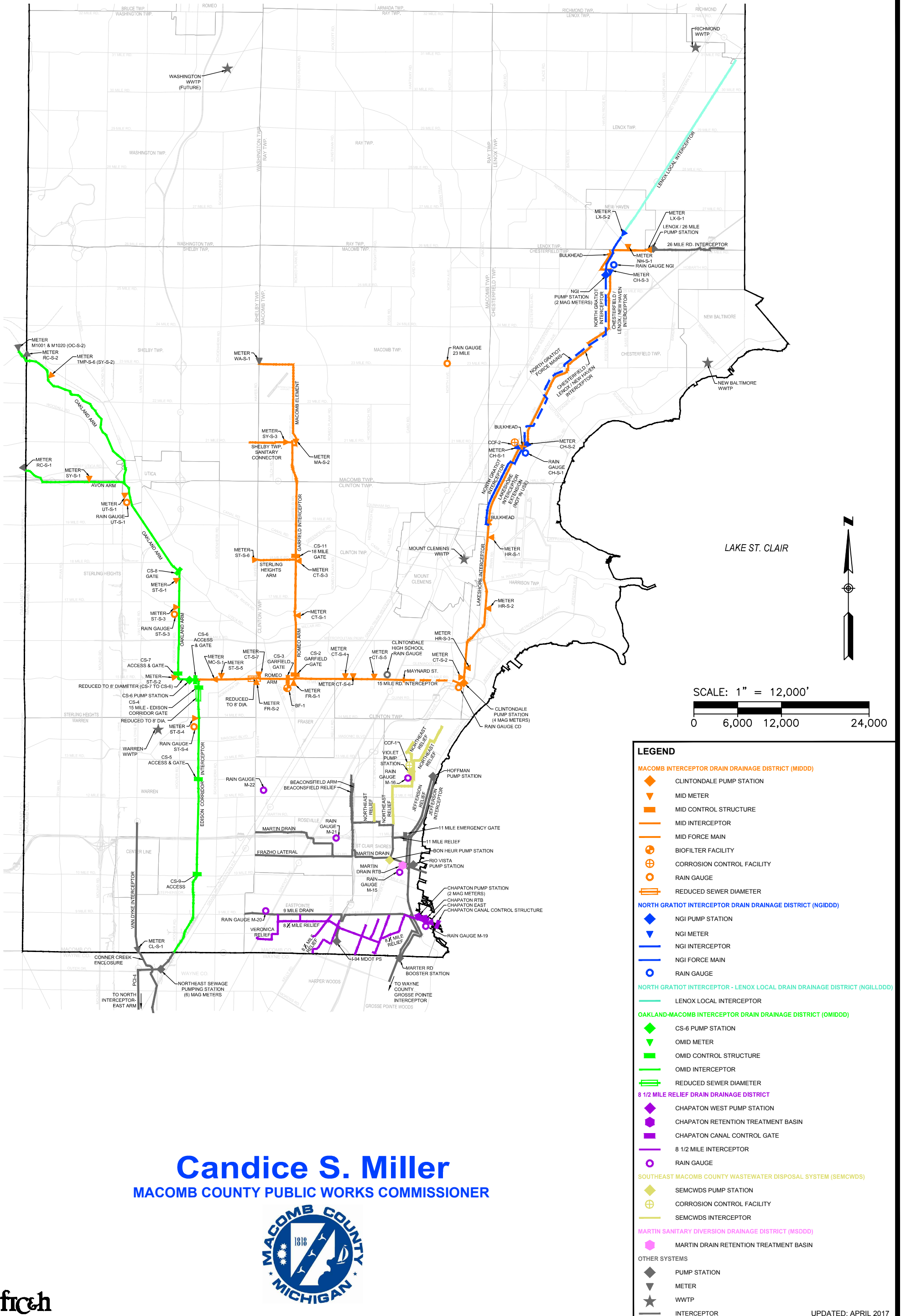
EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
MARCH 8, 2021
10:00 A.M.
AGENDA

NOTE: THIS MEETING WILL BE HELD BY TELECONFERENCE

**Call in Number: 1-240-490-2589
Access Code: 251 806 942**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for March 8, 2021	
3. Approval of Minutes for February 8, 2021	3
4. Public Participation	
5. Construction Project Status Updates – Vince Astorino	5
6. 9 Mile Pump Station Presentation – Vince Astorino	10
7. Chapaton Basin and 9 Mile Emergency Bypass Sewer Structural Repairs – Construction Contract – Vince Astorino	15
Motion: To award the Chapaton RTB and 9 Mile Bypass Structural Repairs Construction proposal from Pullman SST, Inc. for an amount not to exceed \$736,950.	
8. Chapaton Basin and 9 Mile Emergency Bypass Sewer Structural Repairs – Construction Contract Administration – Vince Astorino	20
Motion: To award the Chapaton RTB and 9 Mile Bypass Structural Repairs Construction Contract Administration proposal from Fishbech and NTH and authorize a Change Order to the As Needed Engineering contract for an amount not to exceed \$128,732.	
9. Consideration for approval of invoices (see attached)	27
10. Financial Report – Bruce Manning	122
11. Adjourn	

MACOMB COUNTY WASTEWATER SYSTEMS



Candice S. Miller
 MACOMB COUNTY PUBLIC WORKS COMMISSIONER



An adjourned meeting of the Intra-County Drainage Board for the **EIGHT AND ONE-HALF MILE RELIEF DRAIN** was held via telephone conference per the State Public Act 228 of 2020 due to the COVID-19 pandemic, on February 8, 2021, at 10:01 A.M.

PRESENT: Brian Baker, Acting Chair
Location: Clinton Township, MI

Veronica Klinefelt, Member
Location: Eastpointe, MI

Bryan Santo, Member
Location: Mt. Clemens, MI

ALSO PRESENT: Harold Haugh, Don VanSyckel, Macomb County Board of Commissioners; Karen Czernel, Deputy, Stephen Downing, Construction & Maintenance Manager, Bruce Manning, Financial Manager, Tom Stockel, Construction Engineer, Vince Astorino, Operations & Flow Manager, Kellie Kource, Drain Account Specialist, Emily Engelmann, Administrative Assistant, 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 January 11, 2021 were presented. A motion was made by Ms. Klinefelt, supported by Mr. Santo to approve the minutes as presented.

Adopted: YEAS: 3
NAYS: 0

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

Mr. Astorino updated the board that the pump and screen project is in the final stages and will be wrapped up soon. The disinfection project is in full swing and is moving quickly. The contractors are working on the lab/office reconstruction project. The 9 mile basin repairs went out to bid, with recommendations to be brought to the board in March. We are at 90% design on the in-system storage project. We presented to the St. Clair Shores City Council on February 1st and will be presenting to the Eastpointe City Council on February 16th and the Macomb County Board of Commissioners on April 21st. Next month we plan to update this board on the Southeast Macomb Master Plan findings.

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

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$484,946.20 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 10:12 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 February 8, 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 Chief Deputy

DATED: 2/8/21



Candice S. Miller

Public Works Commissioner
Macomb County

To: 8 ½ Mile Relief Drain Drainage District Board Members
Martin Sanitary Diversion Drainage District Board Members

CC: File

From: Vincent Astorino, Operations & Flow Manager

Date: March 8, 2021

Subject: Construction Projects Status Updates for March 2021 Board Meeting

The following provides a status update for construction work completed within the 8 ½ Mile Relief Drain Drainage District (8MRDDD) and Martin Sanitary Diversion Drain District (MSDDD) for the previous month within both districts.

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. Third intermediate pump has been installed and put through start-up testing.
2. New manhole covers have been tested and had minor leaks. Contractor has submitted a plan to correct the issue and MCPWO has approved.
 - This work has been completed and MCPWO will test during the next rain event.
3. All new piping has been painted.

4. Punch list has been developed for close-out tasks and work has begun on that.

Construction Costs:

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

Figure 1 - Pumps installed and painted



Figure 2 - New Manhole Cover

Chapaton & Martin Disinfection Replacement Project

Contractor: Weiss Construction

Engineering Consultant: Wade Trim

Project Description:

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

Significant project tasks that have occurred over the past month:

1. Poured seven (7) new concrete pump pads to support hose pumps – Chapaton 5; Martin 2.
2. Hung 3" recirculation piping from ceiling in Storage Tank Room in the Chapaton East Building
3. Set new Bredel hose pumps on concrete pads at Chapaton
4. Installed new FRP uni-strut supports and piping from hose pumps to wall. Note: existing disinfection system was not taken out of service. Full demo of the existing system and final piping will be installed within a 24 hour period to limit down-time.

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount		\$995,925.00
Change Order #1	12/16/20	(\$16,337.83)
Revised Contract Amount		\$979,587.17
Total Spent to Date	Pay Apps #1-3	\$119,471.40
Remaining Budget		\$860,115.77



Figure 3 – New Pump Pads being poured at Martin

Figure 4 – New Pumps installed at Chapaton (new manifold staged on floor)



Figure 5 – New disinfection feed piping and supports (adj. to existing)

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. Demolished existing wall tiles, drop ceiling, door, electrical, and lockers in East Building
2. Installed new electrical, plumbing, and drywall in East Building (all building inspections passed)
3. Installed new metal laboratory casework
4. Began preliminary demolition of Mezzanine level then performed abatement of existing previously identified hazardous materials.
5. Removed existing interior masonry walls on the Mezzanine level

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount		\$667,777.00
Revised Contract Amount		N/A
Total Spent to Date	Pay Apps #1-3	\$118,618.20
Remaining Budget		\$549,158.80



Figure 6 – Demo and partial new construction of East Building lab



Figure 7 – Demolition of ex. office area on Mezzanine level



Figure 8 – Before demolition of Mezzanine level



Figure 9 – Full demolition of Mezzanine level

MACOMB COUNTY PUBLIC WORKS OFFICE



CANDICE S. MILLER

MACOMB COUNTY PUBLIC WORKS COMMISSIONER

9 Mile Pump Station – WWMP Findings

Presented on: March 8, 2021

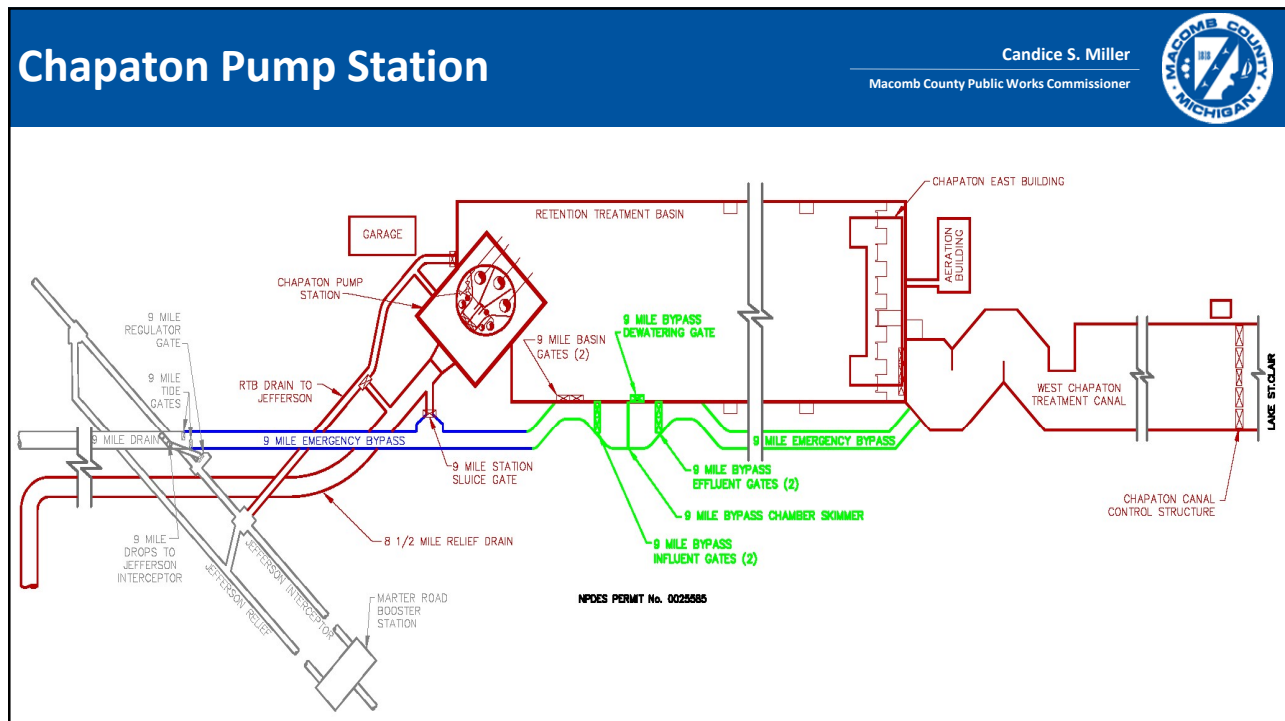
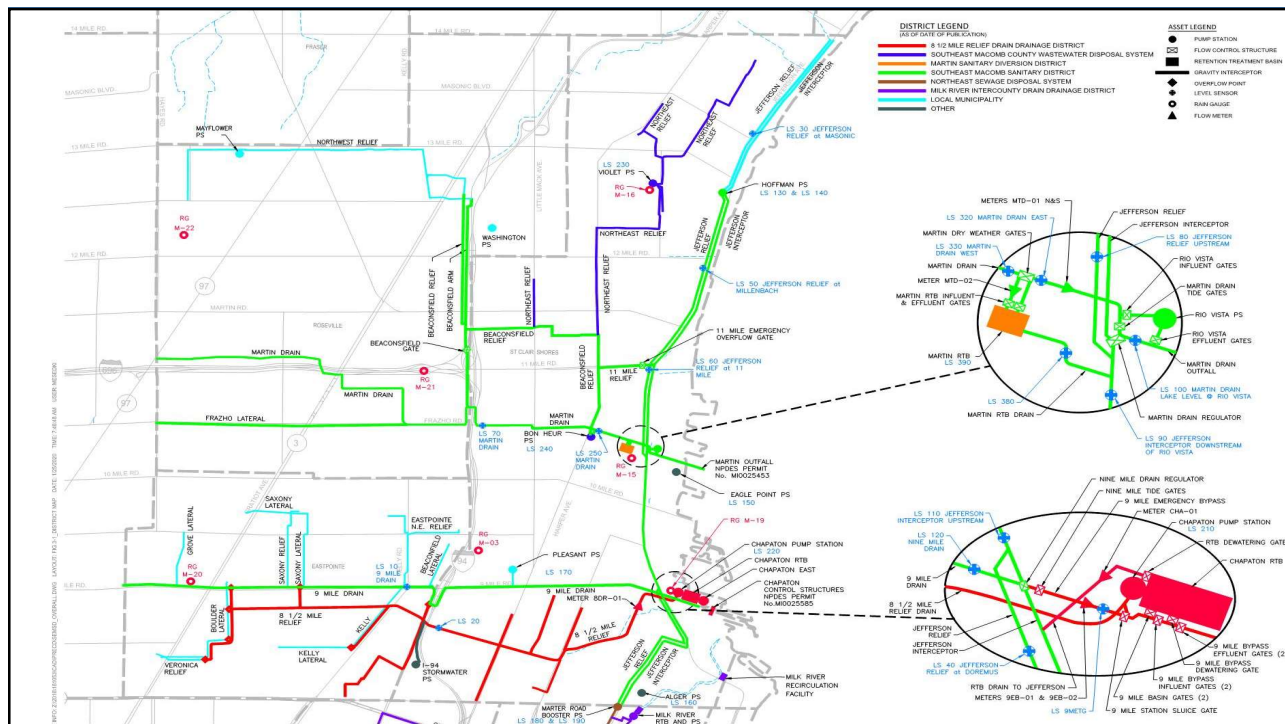
Wastewater Master Plan

Candice S. Miller

Macomb County Public Works Commissioner



- Began in 2018
- Extensive flow metering program performed by MCPWO staff
- Updated hydraulic model of the system
- Numerous options developed to reduce treated combined sewer overflows to Lake St. Clair.
- One significant level of service improvement identified through the WWMP which is the 9 Mile Pump Station



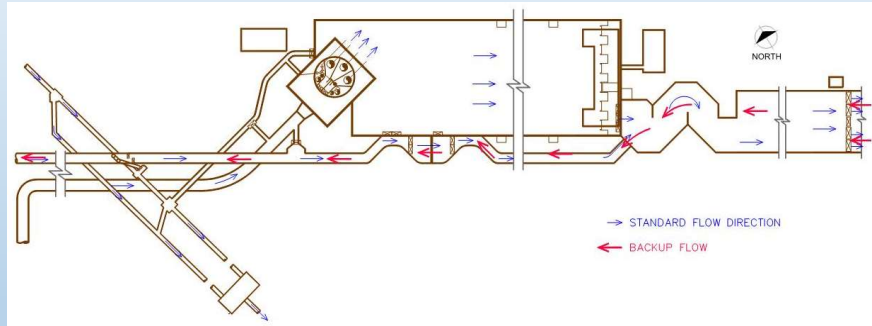
Level of Service Improvements

Candice S. Miller
Macomb County Public Works Commissioner



Chapaton PS – Lack of Redundancy

- 3 Pumps, each sized for 515 cfs
- During very large rain events, all three pumps run plus 9 Mile Drain flow is discharged to the Chapaton Canal directly
- Concerns
 1. No redundancy if one pump fails during large rain event
 2. With average to above average lake levels, may not be able to discharge 9 Mile Drain to Canal directly with out high sewer levels



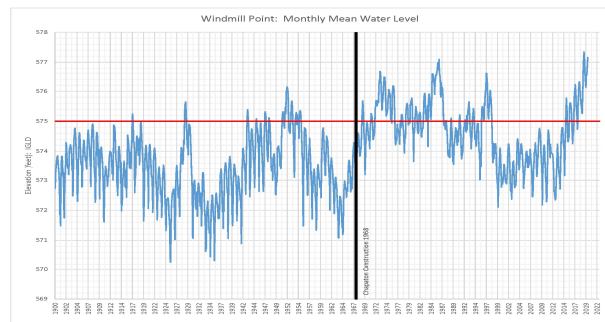
Historical Lake Levels

Candice S. Miller
Macomb County Public Works Commissioner



Historic Lake Levels:

- Critical elevation is 575'



MCPWD: Wastewater Services

Printed On: 7/20/2020

Statistic	Pre 1968	Post 1968
No. Months Above 575'	52	241
No. Months Below 575'	765	386
% Months Above 575'	6.4%	38.4%

Increased Frequency of Large Rain Events

Candice S. Miller

Macomb County Public Works Commissioner



- 2-inch-plus rain events have steadily increased in frequency since 1964.
- 89% increase for state of Michigan between 1964 & 2013
- 128% increase for SE Michigan

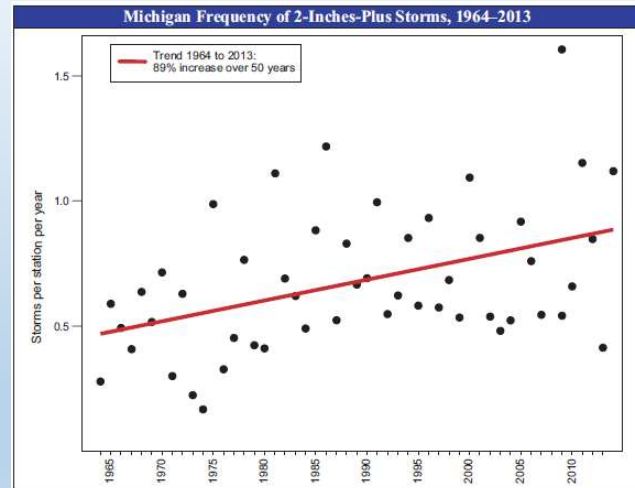


Image above shows the steady increase in storms since 1964. This image and data was provided by the National Resources Defense Council

Modeling Results

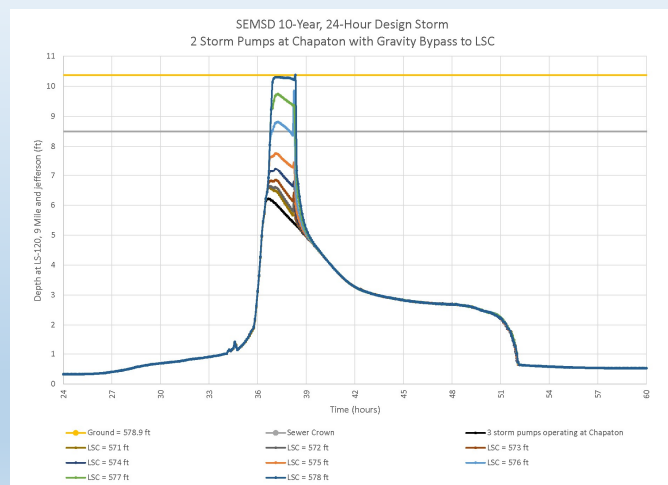
Candice S. Miller

Macomb County Public Works Commissioner



10-Year, 24-Hour (3.27 inches)
Design Storm:

- 3 storm pumps operating will not require the use of the emergency bypass
- 2 storm pumps only operating will require the use of the emergency bypass
 - Lake levels above elevation 575' are predicted to impact the upstream collection system



Level of Service Improvements

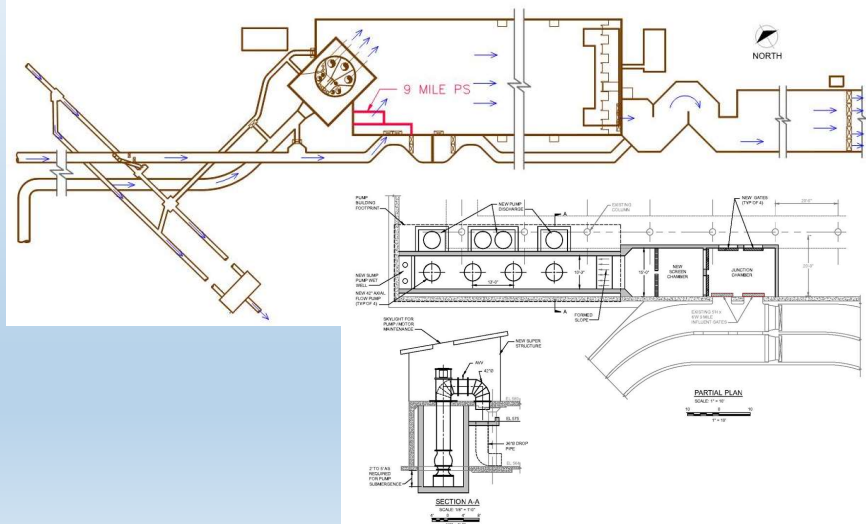
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Macomb County Public Works Commissioner



Chapaton PS – Lack of Redundancy

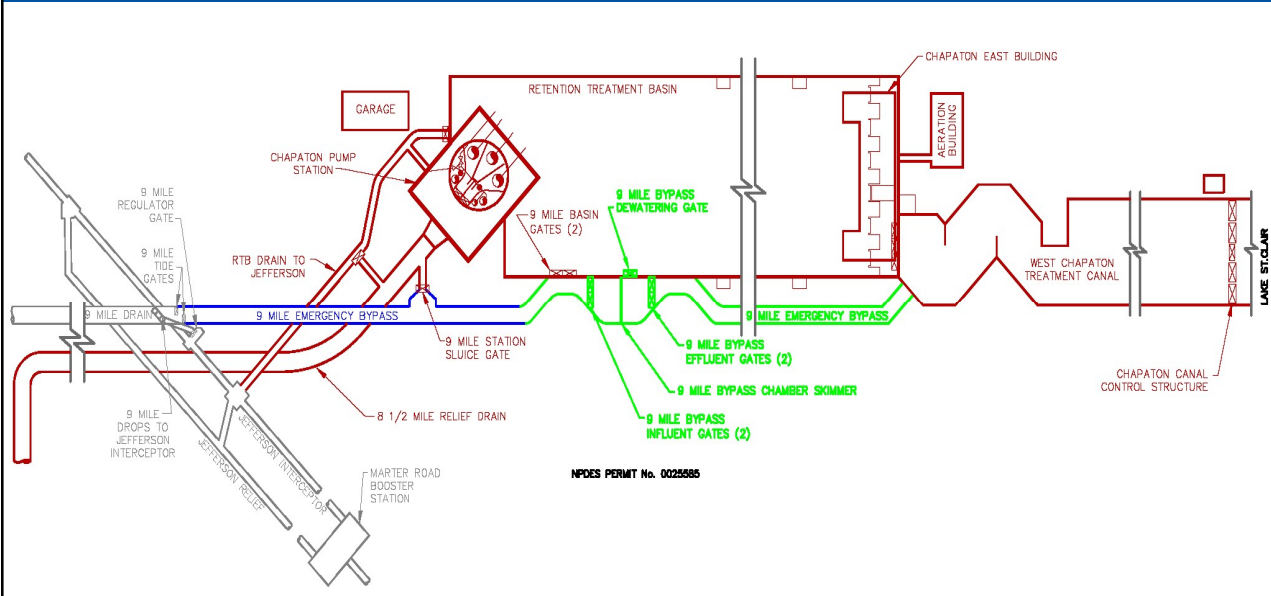
Solution

- Construct New 9 Mile Pump Station at the Chapaton RTB
- PS sized to equal one of the large pumps = 600 cfs
- Pump all the flows from 9 Mile Drain directly to RTB bypass Chapaton PS
- Conceptual costs are approximately \$33 million



Questions & Comments

Candice S. Miller
Macomb County Public Works Commissioner





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: March 1, 2021

Subject: Chapaton Basin & 9 Mile Emergency Bypass Sewer Structural Repairs- Construction Contract Recommendation

The Chapaton Retention Basin (CHA-RTB) and 9 Mile Emergency Bypass (9EB) have underwent several inspections over the past few years. As part of the SAW grant for the 8 ½ Mile District, the 9EB was inspected which was in 2017. The CHA-RTB was then inspected in 2019 as part of the SE Macomb As-Needed Engineering contract. These inspections identified key areas that require structural repairs. Below are several images showing some of the areas that will be addressed as part of this work.



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

In the 2020/2021 budget for the 8 ½ Mile Relief Drain Drainage District, there was \$1.25 million allocated for this project to make the necessary structural repairs.

In November 2020, MCPWO contracted with Fishbeck and NTH to develop the plans and specifications to make the necessary structural repairs as part of the SE Macomb As-Needed contract. Once this task was complete, MCPWO posted the plans and specifications to MITN to go through a competitive bidding process for construction. The engineering estimate for this project is \$789,000.

On February 26, 2021, MCPWO received two bids for the structural rehab project. Those bids were as follows.

- Pullman SST, Inc. = \$736,950
- DRV Contractors = \$847,495

NTH performed a bid tabulation and the apparent low bidder, Pullman SST Inc., is qualified to perform the work and was the recommended bidder. **MCPWO agrees with this recommendation and is recommending to the board that the contract in the amount of \$736,950 is awarded to Pullman SST, Inc.**

One item of note for this contract is that this work is based on unit rates of the actual repaired quantities. The plans were developed using engineering best judgement for what quantities may be needed but it may be required to perform repairs that can exceed or be under the quantities as listed in the contract. This work will have full-time construction observation so that quantities and repairs will be tracked closely. MCPWO will monitor the contract repairs and will update the board as the project progresses.

Attachments: NTH Letter of Recommendation_3-1-21



NTH Consultants, Ltd.

Infrastructure Engineering
and Environmental Services

41780 Six Mile Road, Suite 200
Northville, MI 48168
248.553.6300
248.324.5179 Fax

Mr. Vincent Astorino
Operations and Flow Manager
Macomb County Public Works Office
21777 Dunham Road
Clinton Township, Michigan 48036

March 1, 2021
NTH Project Number 61-190017-10

**RE: 8-1/2 Mile Relief Drain Drainage Districts As-Needed Engineering Services
Task 1.O, Chapaton RTB and 9 Mile Emergency Bypass Sewer (Phase 1)
Recommendation for Award of Construction Contract
Macomb County, Michigan**

Dear Mr. Astorino:

The purpose of this letter is to offer our recommendation to award a contract to the most responsive bidder to perform the Work for Macomb County Project Number WWS-2-21-001: Chapaton Basin and 9 Mile Emergency Bypass Sewer Structural Repairs for the 8-1/2 Mile Relief Drain Drainage District. As you are aware, the Project Documents were advertised on the Michigan Inter-governmental Trade Network (MITN) and the scheduled bid opening was performed at the Chapaton Basin office on Friday, February 26, 2021 at 2:00 PM.

Immediately prior to the bid opening, bids were received from two contractors – Pullman SST, Inc. and DRV Contractors, LLC. We have tabulated the contractor's bid results and highlighted the lowest unit cost for each of the bid items for comparison. Based on the bid amounts, Pullman SST bid the lower number at \$736,950.00 vs. \$847,495.00 for DRV. The tabulation is included with this letter for your review. We also included a breakdown from the original conceptual Engineer's Opinion of Probable Costs in the table for your information.

Based on review of the information provided in the bids, both contractors are qualified to perform the Work identified in the Project Documents. They both included bid bonds, acknowledged the Addendum in the documents, and provided the requested information with one exception. DRV provided project history for six projects, including key staff, but did not provide individual resumes for their proposed key staff in their bid documents.

RECOMMENDATIONS

Based on their Bid costs and related information, we recommend awarding a contract to Pullman SST, Inc. for a total not to exceed amount of \$736,950.00. As this contract is based on unit rates of the actual repaired quantities, we anticipate some of the final bid items may be adjusted within the not-to-exceed budget during execution of the contract. Because of this, it is important to have construction contract administration services including field oversight to document and quantify the repair quantities.



Mr. Vincent Astorino
March 1, 2021

Upon the 8-1/2 Mile Drain Drainage District Board's approval of the above contract amount, we will work with you to provide the necessary Contract Documents as identified in the Issued for Bid Documents.

Sincerely,

NTH Consultants, Ltd.

A handwritten signature in blue ink, appearing to read 'John R. Kosnak'.

John R. Kosnak, P. E.
Principal Engineer

A handwritten signature in blue ink, appearing to read 'Charles J. Roarty'.

Charles J. Roarty, P.E.
Senior Vice President

JRK/CJR/lrf

cc: Steven Wagner, P.E. – Macomb County Public Works
Maria Sedki, P.E. - Fishbeck

Attachment

by e-mail

Item No.	Description	Unit	Estimated Quantity	NTH Estimated Unit Price \$	NTH Estimated Bid Amount \$	Pullman SST Price \$	Pullman SST Bid Amount \$	DRV Contractors Price \$	DRV Contractors Bid Amount \$
1	Mobilization / Demobilization	LS	1	\$ 37,338.00	\$ 37,338.00	\$ 36,800.00	\$ 36,800.00	\$ 41,640.00	\$ 41,640.00
2	Permits and Fees, Allowance	DLR	5,000.00	\$ 1.00	\$ 5,000.00	\$ 1.00	\$ 5,000.00	\$ 1.00	\$ 5,000.00
3	Videos – Surface Progress Videos (9 Mile site, Basin access, Eastpointe site)	LS	1	\$ 2,000.00	\$ 2,000.00	\$ 8,890.00	\$ 8,890.00	\$ 10,600.00	\$ 10,600.00
9 Mile Emergency Bypass Repairs									
4	9 Mile Sewer Shallow Concrete Repairs	SF	160	\$ 250.00	\$ 40,000.00	\$ 130.00	\$ 20,800.00	\$ 186.00	\$ 29,760.00
5	9 Mile Sewer Deep Concrete Repairs (per 3-inch depth)	SF	710	\$ 312.00	\$ 221,520.00	\$ 180.00	\$ 127,800.00	\$ 229.00	\$ 162,590.00
6	9 Mile Sewer Fracture Repair	LF	190	\$ 100.00	\$ 19,000.00	\$ 58.00	\$ 11,020.00	\$ 119.00	\$ 22,610.00
7	9 Mile Sewer Hole Repair	SF	5	\$ 375.00	\$ 1,875.00	\$ 1,500.00	\$ 7,500.00	\$ 2,440.00	\$ 12,200.00
8	8-1/2 Mile Sewer Chemical Grouting	GAL	100	\$ 120.00	\$ 12,000.00	\$ 550.00	\$ 55,000.00	\$ 431.00	\$ 43,100.00
9	8-1/2 Mile Sewer Deep Concrete Repair (per 3-inch depth)	SF	40	\$ 312.00	\$ 12,480.00	\$ 200.00	\$ 8,000.00	\$ 360.75	\$ 14,430.00
Chapaton Basin Repairs									
10	Chapaton Basin Ceiling Shallow Concrete Repairs	SF	90	\$ 435.00	\$ 39,150.00	\$ 130.00	\$ 11,700.00	\$ 346.00	\$ 31,140.00
11	Chapaton Basin Ceiling Deep Concrete Repairs (per 3-inch depth)	SF	255	\$ 500.00	\$ 127,500.00	\$ 175.00	\$ 44,625.00	\$ 359.00	\$ 91,545.00
12	Chapaton Basin Ceiling Crack Repair	GAL	140	\$ 125.00	\$ 17,500.00	\$ 550.00	\$ 77,000.00	\$ 441.00	\$ 61,740.00
13	Chapaton Basin Ceiling Column Haunch Repair	SF	100	\$ 500.00	\$ 50,000.00	\$ 205.00	\$ 20,500.00	\$ 286.00	\$ 28,600.00
14	Chapaton Basin Ceiling Protective Coating	SF	25,000	\$ 2.50	\$ 62,500.00	\$ 4.80	\$ 120,000.00	\$ 3.75	\$ 93,750.00
15	Chapaton Basin Floor/Walls Shallow Concrete Repair	SF	25	\$ 250.00	\$ 6,250.00	\$ 130.00	\$ 3,250.00	\$ 365.00	\$ 9,125.00
16	Chapaton Basin Floor/Walls Deep Concrete Repair (per 3-inch thick)	SF	25	\$ 312.00	\$ 7,800.00	\$ 175.00	\$ 4,375.00	\$ 477.00	\$ 11,925.00
17	Chapaton Basin Floor/Walls Crack Repair (Engineer directed)	LF	425	\$ 100.00	\$ 42,500.00	\$ 60.00	\$ 25,500.00	\$ 79.00	\$ 33,575.00
18	Cathodic Protection Anodes (install as directed with deep concrete repairs)	EA	100	\$ 62.50	\$ 6,250.00	\$ 75.00	\$ 7,500.00	\$ 90.00	\$ 9,000.00
19	Chapaton Basin – Clean and Inspect isolated areas of Trench	EA	19	\$ 50.00	\$ 950.00	\$ 760.00	\$ 14,440.00	\$ 2,835.00	\$ 53,865.00
20	Chapaton Basin Joint Repair	LF	250	\$ 100.00	\$ 25,000.00	\$ 135.00	\$ 33,750.00	\$ 86.00	\$ 21,500.00
Engineer Directed Repairs and Warranty									
21	Engineer Directed Leak Sealing, Basin and 9 Mile Sewer	Gal	100	\$ 125.00	\$ 12,500.00	\$ 550.00	\$ 55,000.00	\$ 358.00	\$ 35,800.00
22	Engineer Directed Deep Concrete Repairs (per 3-inch thick), Basin and 9 Mile Sewer	SF	100	\$ 350.00	\$ 35,000.00	\$ 205.00	\$ 20,500.00	\$ 225.00	\$ 22,500.00
23	1-YR Warranty Inspection	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 18,000.00	\$ 18,000.00	\$ 1,500.00	\$ 1,500.00
Total of All Unit Price Bid Items					\$ 784,113.00	Pullman Total	\$ 736,950.00	DRV Total	\$ 847,495.00



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: March 2, 2021

Subject: Chapaton Basin & 9 Mile Emergency Bypass Sewer Structural Repairs- Construction Administration Recommendation

The Chapaton Retention Basin (CHA-RTB) and 9 Mile Emergency Bypass (9EB) have underwent several inspections over the past few years. As part of the SAW grant for the 8 ½ Mile District, the 9EB was inspected which was in 2017. The CHA-RTB was then inspected in 2019 as part of the SE Macomb As-Needed Engineering contract. These inspections identified key areas that require structural repairs.

In the 2020/2021 budget for the 8 ½ Mile Relief Drain Drainage District, there was \$1.25 million allocated for this project to make the necessary structural repairs.

In November 2020, MCPWO contracted with Fishbeck and NTH to develop the plans and specifications to make the necessary structural repairs as part of the SE Macomb As-Needed contract. Once this task was complete, MCPWO posted the plans and specifications to MITN to go through a competitive bidding process for construction. The engineering estimate for this project is \$789,000.

MCPWO recommended a contractor for this work in a prior memo. This memo is to recommend the construction administration services of Fishbeck and NTH. The majority of the construction administration will go through NTH but since Fishbeck is the prime for the as-needed contract they will provide project management support.

The construction administration contract will include some of the following items.

- Contractor submittal and request for information review.
- Field observation to properly track repair quantities and ensure that the contractor is making the appropriate repairs. This task is very important as this project is based on unit rates of actual repair quantities.
- Pay application review
- Record drawing development

The not-to-exceed cost from Fishbeck and NTH is \$128,732. This will be handled as a change order to the existing as-needed engineering contract. The costs for this work are in line with what we would expect especially when you take into account the full-time inspection and working in a confined space.

Attachments: Fishbeck/NTH Construction Administration Proposal_3-2-21

March 2, 2021

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

**Proposal for As-Needed Professional Engineering Services - 8 ½ Mile Relief Drain Drainage District
Task 1.O – Construction Contract Administration – Chapaton RTB and 9 Mile Emergency Bypass Sewer
Structural Repairs**

Dear Mr. Astorino:

At your request, Fishbeck and NTH Consultants, Ltd. (NTH) are pleased to submit this proposal for professional engineering services as part of the 8 ½ Mile Relief Drain Drainage District (8RDDD) As-Needed Engineering Services. While Fishbeck is the lead engineer for the As-Needed Engineering Services, NTH will take the lead in providing Construction Contract Administration (CCA) services for Task 1.O. Fishbeck will provide overall project management (PM) services.

Attached is NTH’s proposal to complete the CCA services requested.

We propose to complete the scope of services described herein on a time-and-materials with a not to exceed fee. The estimated fee is detailed as follows:

NTH CCA Services	\$119,745
Fishbeck PM Services	<u>\$8,987</u>
Total	\$128,732

We propose to complete these services under the terms of our As-Needed Contract for 8RDDD as Task 1.O. As a result, we request a Change Order to Task 1.O currently set at \$19,950, for a new total of \$148,682.

If you have any questions or require additional information, please contact me at 248.324.1228 or mesedki@fishbeck.com.

Sincerely,



Maria E. Sedki, PE

Vice President/Senior Civil Engineer

Attachments

By email



NTH Consultants, Ltd.

Infrastructure Engineering
and Environmental Services

41780 Six Mile Road, Suite 200
Northville, MI 48168
248.553.6300
248.324.5179 Fax

Ms. Maria Sedki, P.E.
Vice President
Fishbeck
39500 MacKenzie Drive, Suite 100
Novi, Michigan 48377

March 2, 2021
NTH Project No. 61-190017-10

**RE: 8-1/2 Mile Relief Drain Drainage Districts As-Needed Engineering Services
Tasks 1.O, Construction Contract Administration: Chapaton RTB and
9 Mile Emergency Bypass Sewer (Phase 1)
Macomb County, Michigan**

Dear Ms. Sedki:

At your request, NTH Consultants, Ltd. (NTH) has prepared this additional scope of services to be performed under the 8-1/2 Mile Relief Drain Drainage District As-Needed Engineering Services Contract. The additional scope for Task 1O under this contract will include Construction Contract Administration (CCA) services during repairs to the Chapaton Retention Treatment Basin (RTB) and Phase I of the 9 Mile Emergency Bypass Sewer (9EB Sewer) which were performed under Tasks 1.A and 1.B of this contract. The repair contract also includes a point repair within the 8-1/2 Mile Relief Drain.

The following sections present our proposed scope of services, assumptions and limitations associated with our proposed scope of services, and the estimated professional fees.

SCOPE OF SERVICES

NTH will provide field and office support to observe and document the repairs made to the Chapaton RTB and the 9EB Sewer from Jefferson Avenue to the 9 Mile Bypass Influent Gates. Our personnel will coordinate with the staff from the Macomb County Public Works Office (MCPWO) and act as their representatives in the field.

More specifically, we will perform the following tasks:

- We will facilitate a pre-construction conference, including preparation of a meeting agenda and meeting minutes.
- We will review the contractor's submittals for conformance with the contract documents.
- We will review and respond to the contractor's Request for Information (RFI) requests.
- We will provide field observation to review and document the contractor's repair operations including documenting proper surface preparation, repair dimensions, locations, materials, and quantities of unit price items.



- We will review and provide comment on the contractor's monthly applications for payment. Field observations made during the repairs will be reviewed to confirm the payment amounts.
- We will attend and provide meeting minutes for monthly construction progress meetings.
- We will assist the County's personnel in preparation of change management forms and documentation.
- We will prepare record drawings of the repairs performed during the construction phase.
- We will assist with the contract close out including development of punch lists and documentation of final completion activities.

ASSUMPTIONS AND LIMITATIONS

The estimated professional fees described below are based on the following assumptions and limitations:

- We have included up to 15 contractor submittals in the estimated professional fee described below.
- We have included up to 5 contractor RFIs in the estimated professional fee described below.
- We have included 10 one-hour monthly construction progress meetings in the estimated professional fee described below.
- We have based our estimated professional fees on construction observation for 8 hours per day (including travel to and from the site) for a total of 100 days.
- The estimated professional fee described below does not include investigation of contractor claims, differing conditions, or negotiation of resulting change orders.
- Fees for post-construction warranty inspection is not included in our estimated professional fees. If needed, we can prepare a proposal to perform or observe a warranty inspection at a later date.



Ms. Maria Sedki, P.E.
March 2, 2021

PROFESSIONAL FEES

We propose to perform the scope of services presented above for an estimated total professional fee of \$119,745.

Our services will be performed in accordance with the terms and conditions of the 8-1/2 Mile Relief Drain As-Needed Engineering Contract.

We look forward to continuing to assist you with this project. Please contact us if you have any questions or require additional information.

Sincerely,

NTH Consultants, Ltd.

A handwritten signature in blue ink, appearing to read 'John R. Kosnak', written in a cursive style.

John R. Kosnak, P. E.
Principal Engineer

A handwritten signature in blue ink, appearing to read 'Jason R. Edberg', written in a cursive style.

Jason R. Edberg, P.E.
Senior Vice President

JRK/JRE/mam

cc: Charles J. Roarty - NTH

by e-mail



PROJECT FEE ESTIMATING SHEET

Client Name: Macomb County Public Works Office
 Project Description: 8-1/2 Mile As-Needed Engineering - CCA for 9 Mile / Chapaton Basin Repairs
 Note - based on 200 day schedule (+ 30 days to final completion)

FTCH Profit on Subs 0.0%

Summary of Major Tasks Required To Complete This Project	ESTIMATED LABOR HOURS										Estimated NTH Expenses	Fee Estimate			
	Initials of Team Members, Employee Classifications, and Approx Direct Labor Rates														
	Princ Egr/ \$185	Proj Mgr \$165	Sr Proj Eng/S \$145	Proj Eng/S \$125	Sr Staff Eng/S \$115	Staff Eng/S \$95	Fld Eng Sr. Tech \$90	CADD DC/Tec \$85	Clerical/ Tec 1 \$55	Total NTH Hours					
Project Management & Coordination												\$0			
Project management - assume 3 hrs per week + 2 hours monthly	2	120									\$150	\$20,320			
Preconstruction meetings		2				4				6	\$50	\$760			
Submittal / RFI reviews (assume 15 submittals, 5 RFIs)		10				40			4	54		\$5,670			
Contractor Pay app reviews		12							4	16		\$2,200			
Oversight - assume 100 days including monthly meetings						800			8	808	\$5,000	\$81,440			
Record drawings						20	24			44	\$180	\$4,120			
Contract closeout	2	8				35			4	49		\$5,235			
										0		\$0			
												\$0			
												\$0			
	4	152	0	0	0	899	0	24	20	0					
TOTAL HOURS PER TEAM MEMBER											TOTALS	1099	0	\$5,380	\$119,745

TOTAL ESTIMATED FEE

NTH Fees =	\$114,365	\$5,380	\$119,745
Total	\$119,745		
Percent	100.00%		

EIGHT AND ONE HALF MILE RELIEF DRAIN - 2/16/21 - 3/2/21

<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%						
		Baker	Aloia & Associates, P.C.	\$ 589.00	Invoice #21452 - 2.1.21	Beaconsfield - Easement - ISS Project	
		Astorino	City of St. Clair Shores	\$ 1,105.00	Invoice #PPC210004 - 2.25.21	Site Plan Approval - Welsh - ISS Project	
		Astorino	Cleveland Sales	\$ 2,775.00	Invoice #2021101 - 10.12.20	Dump Trailer	
		Astorino	Colville Electric Co., LLC	\$ 658.50	Invoice #210098 - 2.15.21	Security Wiring - Office/Lab Project	
		Astorino	Consumers Energy	\$ 923.98	Invoice #R7PV6-R01GM - 2.8.21	Monthly Heating - 1.12.21 - 2.8.21	
		Astorino	Consumers Energy	\$ 553.53	Invoice #R7PV6-QZKQZ - 2.8.21	Monthly Heating - 1.12.21 - 2.8.21	
		Astorino	Consumers Energy	\$ 764.19	Invoice #R7PV6-ROL98 - 2.8.21	Monthly Heating - 1.12.21 - 2.8.21	
		Astorino	Cross Construction Group	\$ 73,620.00	Invoice #WO19082 Est 3 - 2.26.21	Chapaton Lab & Mezzanine, Est #3	\$ 535,979.00
		Astorino	DTE Energy	\$ 13,468.50	Invoice #R65YZ-GJHNNH - 2.1.21	Monthly Electric - 12.8.20 - 1.10.21 - Pumps	
		Astorino	DTE Energy	\$ 555.41	Invoice #R6LF3-04YCP - 2.1.21	Monthly Electric - 1.1.21 - 1.31.21 - Street Lights	
		Astorino	DTE Energy	\$ 8,821.37	Invoice #R8MBG-0MQJD - 2.8.21	Monthly Electric - 1.11.21 - 2.7.21	
		Astorino	DTN, LLC	\$ 582.75	Invoice #5884473 - 1.22.21	Storm Sentry	
		Astorino	Enviroair Consultants, Inc.	\$ 1,200.00	Invoice #9449 - 1.29.21	Confined Space Training: Tanghe/Faylor	
		Astorino	Fishbeck	\$ 1,819.50	Invoice #398742 - 2.1.21	Chapaton Building Renovation	\$ 15,320.65
		Astorino	Grainger	\$ 581.15	Invoice #9791711683 - 2.1.21	Lifting Magnet - Wet Well Manhole	
		Astorino	Swan Analytical Instruments	\$ 2,138.10	Invoice #IN-US21-0250 - 1.26.21	Chemical Testing Kits	
		Astorino	Tetra Tech	\$ 99,504.25	Invoice #51695239 - 2.2.21	In-System Storage Devices	\$ 373,434.80
		Astorino	Tetra Tech, Inc.	\$ 46,888.12	Invoice #51704530 - 2.25.21	In-System Storage Design through 2.19.21	\$ 326,546.68
		Astorino	Wade Trim	\$ 2,097.54	Invoice #2020146 - 2.2.21	Chapaton RTB Disinfection Improvements	\$ 72,875.60
		Astorino	Wade Trim	\$ 2,617.63	Invoice #2020353 - 2.25.21	Chapaton RTB Disinfection Administration - 1.30.21 -	\$ 70,257.97
Astorino	Weiss Construction	\$ 52,189.20	Invoice #PAY EST #3 - 1.28.21	Chapaton RTB Disinfection Improvements - 2.1.21 -	\$ 860,115.77		
Total				\$ 313,452.72			



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/26/21
4. SET ID VP210226MA	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
Aloia & Associates, P.C.	V25733	01	21452	2/1/2021	\$ 589.00

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	80139	CC0004	80139	WO18006	8 1/2 Mile Relief	Re: 1000-25 January 2021	\$ 589.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 589.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/my</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>3/2/2021</u></p> <p>33. Board Date: <u>3/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
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ALOIA & ASSOCIATES, P.C.

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

Invoice submitted to:

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

<i>Invoice Date</i>	<i>Invoice Number</i>	<i>Last Bill Date</i>
February 1, 2021	21452	August 1, 2020

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

Professional Services

		<u>Hours</u>	<u>Amount</u>
1/6/2021	BJA Review proposed Easement for Municipal Utilities and information sent by Vince Astorino; telephone call with Vince regarding logistics project.	0.75	142.50
1/11/2021	BJA Draft permanent easement for maintenance with Eastpointe; follow up with Vince Astorino; make edits discussed with Vince; send revised easement.	1.60	304.00
1/13/2021	BJA Receive and review revised Beaconsfield easement and explanation email; communications with Vince Astorino regarding same.	0.50	95.00
1/30/2021	BJA Communications with Vince Astorino about status of Beaconsfield easement.	0.25	47.50
	For professional services rendered	<u>3.10</u>	<u>\$589.00</u>
	Balance due		<u><u>\$589.00</u></u>

Timekeeper Summary

<u>Name</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Benjamin J. Aloia	3.10	190.00	\$589.00



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	9-5966	3/1/21
4. SET ID		5. POST DATE
VP210301MA		

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	PPC210004	2/25/2021	\$ 1,105.00

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIVISION	21. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)				
A	8200017M	96901	CC0004	96901	WO19004	8 1/2 Mile Relief	Site Plan Approval PPC210004	\$ 1,105.00	GEN	
B										
C										
D										
E										
F										
G										

REV 09/2018

22. Total: \$ 1,105.00

23. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>24. Finance Officer: _____ BM/mh</p> <p>25. Chief Deputy: _____</p> <p>26. Engineers: _____</p> <p>27. Managers: _____</p> <p>28. Coordinator: _____</p>	<p>29. Drain: _____ 8 1/2 Mile Relief</p> <p>30. Project Balance: _____ N/A</p> <p>31. Staff Date: _____ 3/2/2021</p> <p>32. Board Date: _____ 3/8/2021</p> <p>33. Select For Pay Date: _____</p>
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City of St. Clair Shores
 27600 Jefferson Circle Drive
 St. Clair Shores, MI 48081-2093
PHONE: 586-447-3340

Invoice For Permit: PPC210004

Print Date: 02/25/2021

W019004

CITY OF ST CLAIR SHORES
 27600 JEFFERSON CIRCLE DRIVE
 ST CLAIR SHORES MI 48081-2093

Invoice No	Invoice Date	Permit Number	Address	Amount Due
 00190912	02/25/21	PPC210004	22520 CHAPOTON	\$ 1,105.00
Fee Details:	Quantity	Description	Amount Cost	Balance
	1.000	Comm'l, Office, Ind	\$500.00	\$ 500.00
	1.000	Special Use Requests	\$600.00	\$ 600.00
	5.000	Misc. fees	\$5.00	\$ 5.00
TOTAL AMOUNT DUE:				\$ 1,105.00

Building Department
Phone: (586) 447-3340

27600 Jefferson Ave.
St. Clair Shores, MI 48081
Fax: (586) 445-4098

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

22520 CHAPOTON Location
09-14-34-333-004

CITY OF ST CLAIR SHORES Owner
27600 JEFFERSON CIRCLE DRIVE
ST CLAIR SHORES MI 48081-2093

Date Applied: 02/25/21

CITY OF ST CLAIR SHORES Contractor/Applicant
27600 JEFFERSON CIRCLE DRIVE
ST CLAIR SHORES MI 48081-2093

Description: Site Plan Approval for the Control building

Item	Work Type	Fee Basis	Item Total
Comm'l, Office, Ind	Site Plan Review	1.00	500.00
Special Use Requests	Standard	1.00	600.00
Misc. fees	Misc.	5.00	5.00

Fee Total: \$1,105.00

Amount Paid: \$0.00

Balance Due: \$1,105.00

Payment Validation



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	2/11/21
4. SET ID	5. POST DATE	
VP210211MA		

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
Cleveland Sales	V079559	01	2021101	10/12/2020	\$ 5,550.00

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	97002	CC0004	97002	WO18006	8 1/2 Mile Relief	PW000117; Trailer	\$ 4,375.00	GEN		
B	8200017M	97002	CC0004	97002	WO18006	8 1/2 Mile Relief	PW000117; Trailer (CREDIT)	\$ (1,600.00)	GEN		0
C	8200166M	97002	CC0018	97002	WO18300	MIDDD	PW000117; Trailer	\$ 4,375.00	GEN		0
D	8200166M	97002	CC0018	97002	WO18300	MIDDD	PW000117; Trailer (CREDIT)	\$ (1,600.00)	GEN		0
E											
F											
G											

REV 09/2018

23. Total: \$ 5,550.00

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Trailer cost \$8750 less (\$3200) for trade in credit = \$5,550 total purchase to be split between 8 1/2 Mile Relief and MIDDD \$2775 each

25. Finance Officer:	BM/mh	30. Drain:	8 1/2 Mile Relief; MIDDD
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	2/16/2021
28. Managers:		33. Board Date:	3/8/2021
29. Coordinator:		34. Select For Pay Date:	

FROM:

Cleveland Sales, Inc.
 d/b/a/ C & W Custom Trailers
 230 Industrial Park
 Golden, MS 38847
 662-585-3146
 586-216-2958 (Joe Higgins)

Invoice # 2021101

BILL TO:

Macomb County Government
 robert.bugamelli@macombgov.org

Ship To:

Pick up in New Haven

Date	P.O. Number	Ship Date	Ship Via	FOB	Terms
10/12/2020					

Quantity	Description	Unit Price	Total
1	New 2020 6'10" x 14' x 2' Debris Trailers 2 – 7000lb Axles 14,000 G.V.W.R. 6 Tie D down rings Side mounted adjustable ramps Drop axles	\$8,750.00	\$8,750.00
	\$3,200.00 allowance for old trailer		-\$3,200.00
		TOTAL	\$5,550.00

PURCHASE ORDER NO.

PW000117

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

Vendor: **V079559**
CLEVELAND SALES

230 INDUSTRIAL PARK
GOLDEN, MS 38847

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

Requested by: Michelle Houvener

Req. Dt: 10/27/2020

ITEMS

ITEM #	ORGKEY	OBJECT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED PRICE
0001	8200017M	97002	New 2020 6'10" x 14' x 2' Debris Trailers 2 - 7000lb axles 14,000 G.V.W.R. 6 Tie D down rings Side mounted adjustable ramps Drop axles	0.50		8,750.00	4,375.00
0002	8200017M	97002	Allowance for old trailer	0.50		-3,200.00	-1,600.00
0003	8200166M	97002	New 2020 6'10" x 14' x 2' Debris Trailers 2 - 7000lb axles 14,000 G.V.W.R. 6 Tie D down rings Side mounted adjustable ramps Drop axles	0.50		8,750.00	4,375.00
0004	8200166M	97002		0.50		-3,200.00	-1,600.00

BILL TO:

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


AUTHORIZED AGENT

Print Date: 02/11/2021

PURCHASE ORDER NO.

PW000117

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

Allowance for old trailer

TOTAL \$5,550.00

BILL TO:

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

Bruce Manning /mh

AUTHORIZED AGENT

Print Date: 02/11/2021



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	2/16/21
4. SET ID		5. POST DATE
VP210219MA		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Colville Electric Co., LLC	V50164	02	210098	2/15/2021	\$ 658.50

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	93001	CC0014	93001	WO18006	8 1/2 Mile Relief	Job #202110118; Security wiring	\$ 658.50	GEN		
B											
C											
D											
E											
F											
G											

REV 09/2018

23. Total: \$ 658.50

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>3/2/2021</u></p> <p>33. Board Date: <u>3/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	---

Colville Electric Co., LLC

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

Invoice

DATE	02/15/2021
INVOICE #	210098
TERMS	NET 30

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

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

JOB#	DATE	PO	DESCRIPTION
202110118	02/13/2021		Completion Notes: Locate security system wiring. Remove security system off wall to be demoed in crew quarters.

Description	Qty	Rate	Total
\$75 Service Call fee		\$75.00	\$75.00
02/12/2021 - Dave Colville			
Labor Time (1hr 0min)		\$135.00/hr	\$135.00
02/13/2021 - Dave Colville			
Labor Time (2hr 0min)		\$135.00/hr	\$270.00
02/13/2021 - Evan Nicholson			
Labor Time (1hr 59min)		\$90.00/hr	\$178.50

SUB-TOTAL: \$75.00
 TIME & LABOR: \$583.50
 EXPENSES: \$0.00
 PMTS/DEPS: \$0.00
 TOTAL DUE: \$658.50

CUSTOMER MESSAGE

Invoice Total: \$658.50
Deposits (-): \$0.00
Payments (-): \$0.00
Total Due: \$658.50



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	2/16/21
4. SET ID	5. POST DATE	
FSB Bill Pay 3/5/21		

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
CONSUMERS ENERGY	V01038	01	R7PV6-R01GM	2/8/2021	\$ 923.98

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	92102	CC0004	92102	WO18006	8 1/2 Mile Relief	1000 0005 7313, 1/12-2/8	\$ 923.98	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 923.98

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>3/2/2021</u> 33. Board Date: <u>3/8/2021</u> 34. Select For Pay Date: _____
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Questions:
 Visit: ConsumersEnergy.com
 Call us: **800-805-0490**

Amount Due: **\$923.98**
 Please pay by: **March 05, 2021**

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

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

▶ **Thank You** - We received your last payment of **\$930.94** on **February 04, 2021**

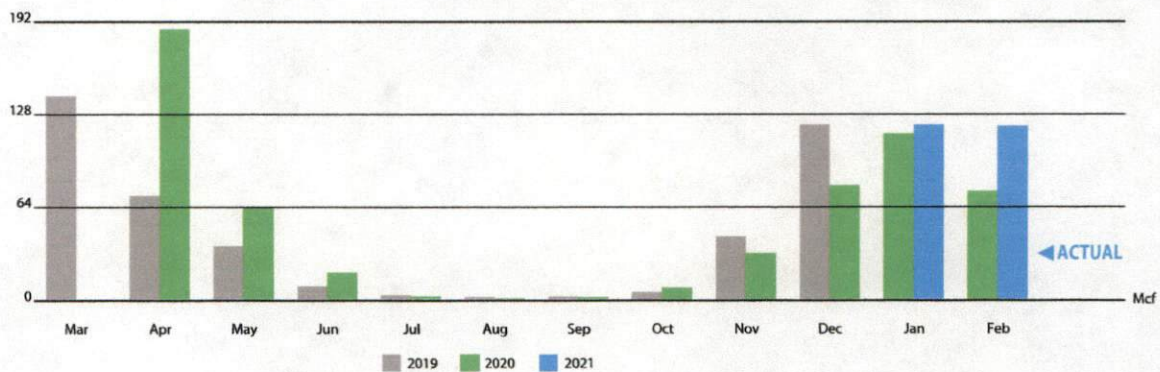
▶ **Service Address:**
 23001 E 9 MILE RD
 SAINT CLAIR SHORES MI
 48080-1576

RTPV6-ROIGM

February Energy Bill

Service dates: January 12, 2021 - February 08, 2021 (28 days)

Total Natural Gas Use (Mcf - thousand cubic feet)



February Natural Gas Use
119.7 Mcf
 February 2020 use: 75 Mcf



Cost per day:
\$33.00



Mcf per day:
4.275



Prior 12 months of gas use:
636 Mcf

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



Your current price is \$3.79 per Mcf, which is determined by the supplier you have chosen and may include more than the gas commodity. Consumers Energy's gas commodity price, regulated by the Michigan Public Service Commission, is \$2.14 per Mcf. This is listed under Natural Gas Charges on the back. **Questions?** Call your supplier at 800-296-2203 or call us at 800-477-5050.

Learn more about Gas Customer Choice and compare prices at www.Michigan.gov/CompareMIGas



COVID-19: The latest information can be found at www.ConsumersEnergy.com/coronavirus. We are committed to the health and safety of our co-workers, customers and communities.

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



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

Account: **1000 0005 7313**

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

PAYMENT CENTER
 PO BOX 740309
 CINCINNATI OH 45274-0309

Amount Due: **\$923.98**
 Please pay by: **March 05, 2021**
 Enclosed:



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

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

Account Information

Bill Month: February
Service dates: 01/12/2021 - 02/08/2021
Days Billed: 28
Portion: 12 02/21

Rate Information

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

Meter Information

Your next scheduled meter read
date is on or around 03/11/2021

Gas Service:

AMR Meter
Meter Number: 96482875
POD Number: 000003537725
Beginning Read Date: 01-12
Ending Read Date: 02-08
Beginning Read: 3804
Ending Read: 4989 (Actual)
Differential: 1185
Constant: 0.1
Correction factor: 1.01028
Usage: 119.7 Mcf

Total Metered Energy Use: 119.7 Mcf

February Energy Bill

Invoice: 206968690406

Account Summary

Last Month's Account Balance	\$930.94
Payment on February 04, 2021	\$930.94
Balance Forward	\$0.00

Payments applied after Feb 11, 2021 are not included.

Natural Gas Charges

Customer Charge		\$91.63
Gas Distribution	119.7@ 3.163700	\$378.69
Kratos Gas & Power (800/296-2203)		
Supplier Charge KR1	119.7@ 3.790000	\$453.66
Total Natural Gas		\$923.98
Total Energy Charges		\$923.98

Amount Due: \$923.98
by March 05, 2021

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

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

NEWS AND INFORMATION

Compare natural gas prices among Consumers
Energy and other gas providers at
www.Michigan.gov/CompareMIGas.

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

Ways to pay your energy bill:

 <p>Auto-pay Checking or savings</p> <p>Auto-pay Discover® MasterCard® or Visa® <small>(Eligible service)</small></p>	 <p>eLockbox via ACH</p> <p>Secure electronic payment with emailed remittance</p>	 <p>Same-day payment ConsumersEnergy.com</p> <p>Discover® MasterCard® or Visa® or eCheck</p>	 <p>Same-day payment 866-329-9593</p> <p>Discover® MasterCard® or Visa® or eCheck</p>	 <p>By mail Check, money order</p> <p>Consumers Energy Payment Center P.O. Box 740309 Cincinnati, OH 45274-0309</p>	 <p>In person Cash, check, card or money order</p> <p>Varies by authorized payment location</p>
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ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	2/16/21
4. SET ID		5. POST DATE
FSB Bill Pay 3/2/21		

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
CONSUMERS ENERGY	V01038	01	R7PV6-QZKQZ	2/8/2021	\$ 553.53

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	92102	CC0004	92102	WO18006	8 1/2 Mile Relief	Ac#1000 0754 2333, 1/12-2/8	\$ 553.53	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **553.53**

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>3/2/2021</u></p> <p>33. Board Date: <u>3/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
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Questions:
 Visit: ConsumersEnergy.com
 Call us: **800-805-0490**

Amount Due: \$553.53
Please pay by: March 05, 2021

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

MACOMB COUNTY DRAIN COMMISSION
 21777 DUNHAM RD
 CLINTON TOWNSHIP MI 48036-1005

▶ **Thank You** - We received your last payment of **\$426.77** on **February 04, 2021**

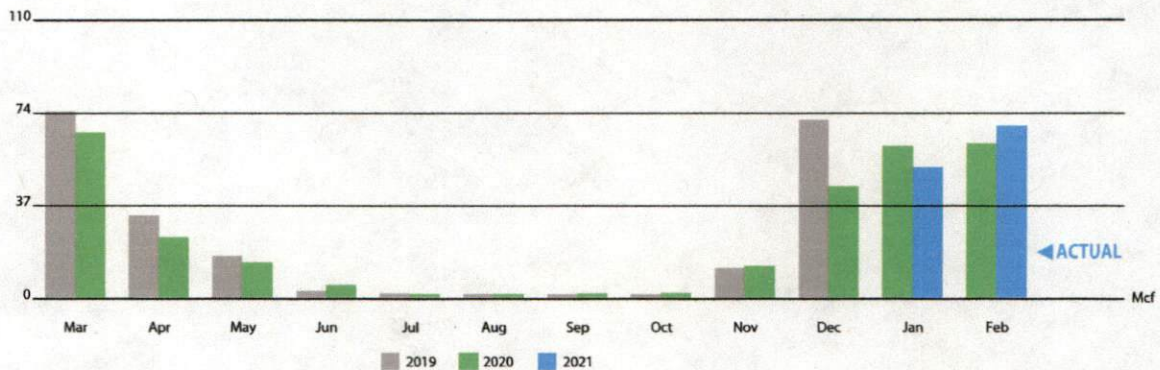
▶ **Service Address:**
 22999 E 9 MILE RD
 SAINT CLAIR SHORES MI
 48080-0000

R7PV6-Q2KQZ

February Energy Bill

Service dates: January 12, 2021 - February 08, 2021 (28 days)

Total Natural Gas Use (Mcf - thousand cubic feet)



February Natural Gas Use
68.4 Mcf
February 2020 use: 61 Mcf

Cost per day: **\$19.77**

Mcf per day: **2.443**

Prior 12 months of gas use: **295 Mcf**

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

Your current price is \$3.79 per Mcf, which is determined by the supplier you have chosen and may include more than the gas commodity. Consumers Energy's gas commodity price, regulated by the Michigan Public Service Commission, is \$2.14 per Mcf. This is listed under Natural Gas Charges on the back. **Questions?** Call your supplier at 800-296-2203 or call us at 800-477-5050.

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



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

Account: **1000 0754 2333**

Service Address:
 MACOMB COUNTY DRAIN COMMISSION
 22999 E 9 MILE RD
 SAINT CLAIR SHORES MI 48080-0000

PAYMENT CENTER
 PO BOX 740309
 CINCINNATI OH 45274-0309

Amount Due: \$553.53
Please pay by: March 05, 2021
 Enclosed:



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

Service Address:
22999 E 9 MILE RD; SAINT CLAIR SHORES
MI 48080-0000
Account: **1000 0754 2333**

Account Information

Bill Month: February
Service dates: 01/12/2021 - 02/08/2021
Days Billed: 28
Portion: 12 02/21

Rate Information

Gas Gen Serv Rate GS-1 - Com Cust Choice
Rate: 277

Meter Information

Your next scheduled meter read
date is on or around 03/11/2021

Gas Service:

AMR Meter
Meter Number: 96516200
POD Number: 0000000435094
Beginning Read Date: 01-12
Ending Read Date: 02-08
Beginning Read: 1537
Ending Read: 2221 (Actual)
Differential: 684
Constant: 0.1
Correction factor: 1.00000
Usage: 68.4 Mcf

Total Metered Energy Use: 68.4 Mcf

February Energy Bill

Invoice: 202875490166

Account Summary

Last Month's Account Balance	\$426.77
Payment on February 04, 2021	\$426.77-
Balance Forward	\$0.00

Payments applied after Feb 11, 2021 are not included.

Natural Gas Charges

Customer Charge		\$15.00
Gas Distribution	68.4@ 4.083200	\$279.29
Kratos Gas & Power (800/296-2203)		
Supplier Charge KR1	68.4@ 3.790000	\$259.24
Total Natural Gas		\$553.53
Total Energy Charges		\$553.53

Amount Due: \$553.53
by March 05, 2021

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

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

NEWS AND INFORMATION

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Energy and other gas providers at
www.Michigan.gov/CompareMIGas.

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

Ways to pay your energy bill:

 <p>Auto-pay Checking or savings</p> <p>Auto-pay Discover® MasterCard® or Visa® <small>(Eligibility varies)</small></p>	 <p>eLockbox via ACH</p> <p>Secure electronic payment with emailed remittance</p>	 <p>Same-day payment ConsumersEnergy.com</p> <p>Discover® MasterCard® or Visa® or eCheck</p>	 <p>Same-day payment 866-329-9593</p> <p>Discover® MasterCard® or Visa® or eCheck</p>	 <p>By mail Check, money order</p> <p>Consumers Energy Payment Center P.O. Box 740309 Cincinnati, OH 45274-0309</p>	 <p>In person Cash, check, card or money order</p> <p>Varies by authorized payment location</p>
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ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	2/16/21
4. SET ID	5. POST DATE	
FSB Bill Pay 3/5/21		

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
CONSUMERS ENERGY	V01038	01	R7PV6-R0L98	2/8/2021	\$ 764.19

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	92102	CC0004	92102	WO18006	8 1/2 MILE RELIEF	AC# 1000 0754 2523, 1/12-2/8	\$ 764.19	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 764.19

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>3/2/2021</u></p> <p>33. Board Date: <u>3/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
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Questions: Visit: ConsumersEnergy.com Call us: 800-805-0490	Amount Due: \$764.19
	Please pay by: March 05, 2021

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

► **Thank You** - We received your last payment of \$688.77 on **February 04, 2021**

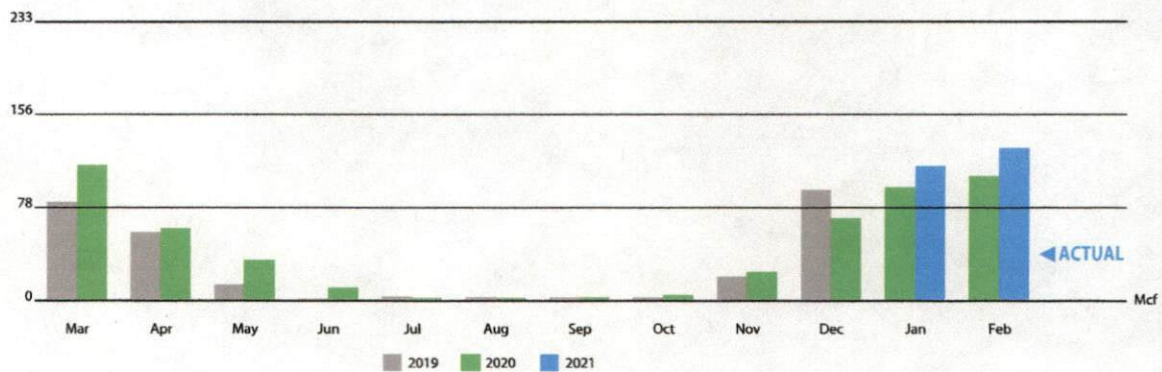
► **Service Address:**
 23301 E 9 MILE RD
 SAINT CLAIR SHORES MI
 48080-0000

R7PV6-R0L98

February Energy Bill

Service dates: January 12, 2021 - February 08, 2021 (28 days)

Total Natural Gas Use (Mcf - thousand cubic feet)



<p>February Natural Gas Use 126.8 Mcf <small>February 2020 use: 104 Mcf</small></p>	<p>Cost per day: \$27.29</p>	<p>Mcf per day: 4.529</p>	<p>Prior 12 months of gas use: 561 Mcf</p>
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STAY SAFE: Call 9-1-1 and 800-477-5050. We'll respond day or night.

- Downed power lines.** Stay 25 feet away. Call from a safe location.
- If you smell natural gas.** If the "rotten egg" odor of gas is apparent, call from a safe location.

COVID-19 HELP COVID-19: The latest information can be found at www.ConsumersEnergy.com/coronavirus. We are committed to the health and safety of our co-workers, customers and communities.

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



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See reverse side for more information

Account: **1000 0754 2523**

Service Address:
 MACOMB COUNTY
 23301 E 9 MILE RD
 SAINT CLAIR SHORES MI 48080-0000

PAYMENT CENTER
 PO BOX 740309
 CINCINNATI OH 45274-0309

Amount Due: \$764.19
Please pay by: March 05, 2021
► Enclosed:



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

Service Address:
23301 E 9 MILE RD; SAINT CLAIR SHORES
MI 48080-0000
Account: **1000 0754 2523**

Account Information

Bill Month: February
Service dates: 01/12/2021 - 02/08/2021
Days Billed: 28
Portion: 12 02/21

Rate Information

Gas Gen Serv Rate GS-2 - Com
Rate: 262

Meter Information

Your next scheduled meter read
date is on or around 03/11/2021

Gas Service:

AMR Meter
Meter Number: 98117224
POD Number: 0000000435095
Beginning Read Date: 01-12
Ending Read Date: 02-08
Beginning Read: 1983
Ending Read: 3251 (Actual)
Differential: 1268
Constant: 0.1
Correction factor: 1.00000
Usage: 126.8 Mcf

Total Metered Energy Use: 126.8 Mcf

February Energy Bill

Invoice: 202875490167

Account Summary

Last Month's Account Balance	\$688.77
Payment on February 04, 2021	<u>\$688.77</u>
Balance Forward	\$0.00

Payments applied after Feb 11, 2021 are not included.

Natural Gas Charges

Customer Charge		\$91.63
Gas Distribution	126.8@ 3.163700	\$401.16
Gas Cost Recovery	126.8@ 2.140400	<u>\$271.40</u>
Total Natural Gas		\$764.19

Total Energy Charges **\$764.19**

Amount Due: **\$764.19**
by March 05, 2021

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will be added to your next bill.

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Visit ConsumersEnergy.com/aboutmybill for details about the above charges.

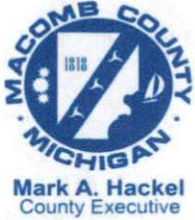
NEWS AND INFORMATION

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www.Michigan.gov/CompareMIGas.

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

Ways to pay your energy bill:

 Auto-pay Checking or savings Auto-pay Discover® MasterCard® or Visa® (Eligibility varies)	 eLockbox via ACH Secure electronic payment with emailed remittance	 Same-day payment ConsumersEnergy.com	 Same-day payment 866-329-9593 Discover® MasterCard® or Visa® or eCheck	 By mail Check, money order Consumers Energy Payment Center P.O. Box 740309 Cincinnati, OH 45274-0309	 In person Cash, check, card or money order Varies by authorized payment location For more info
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ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	3/1/21
4. SET ID		5. POST DATE
VP210301MA		

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 3	2/26/2021	\$ 73,620.00

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	80126	CC0004	80126	WO19082	8 1/2 Mile Relief	Chap Lab & Mezzanine, Est #3	\$ 73,620.00	GEN		
B											
C											
D											
E											
F											
G											

REV 09/2018

23. Total: \$ 73,620.00

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
 Retainage recording of \$8180. Total retained to date \$13,179.80

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>\$535979; \$13,179.80 Retained</u> 32. Staff Date: <u>3/2/2021</u> 33. Board Date: <u>3/8/2021</u> 34. Select For Pay Date: _____
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**MACOMB COUNTY PUBLIC WORKS OFFICE
CONTRACTOR INVOICE COVER SHEET**

WORK ORDER NUMBER	WO19082		
PROJECT NUMBER	WWS-2020-010		
PROJECT NAME	Chapaton Lab Relocation & Mezzanine Renovation		
DRAINAGE DISTRICT	8 1/2 Mile Relief Drain Drainage District		
CONTRACTOR NAME	Cross Construction Group		
INVOICE DATE	2/26/2021		
INVOICE START DATE	2/1/2021		
INVOICE END DATE	2/28/2021		
ORIGINAL CONTRACT AMOUNT		\$	667,777.00
CHANGE ORDER TOTAL		\$	-
Change Order No. 1	Date Executed:		
Change Order No. 2	Date Executed:		
Change Order No. 3	Date Executed:		
Change Order No. 4	Date Executed:		
TOTAL REVISED CONTRACT AMOUNT		\$	667,777.00
(includes all approved change orders only)			
TOTAL AMOUNT PREVIOUSLY INVOICED		\$	44,998.20
TOTAL AMOUNT DUE THIS INVOICE		\$	73,620.00
TOTAL BUDGET REMAINING		\$	549,158.80
(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>003</u>	Application Date:	<u>2/26/2021</u>
Application Period:	<u>From 2/1/2021</u>	to	<u>2/28/2021</u>

1. Original Contract Price	\$	667,777.00
2. Net change by Change Orders	\$	-
3. Current Contract Price (Line 1 + Line 2)	\$	667,777.00
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	\$	131,798.00
5. Retainage		
a. <u>10%</u> X \$ <u>131,798.00</u> Work Completed	\$	13,179.80
b. _____ X \$ _____ Stored Materials	\$	-
c. Total Retainage (Line 5.a + Line 5.b)	\$	13,179.80
6. Amount eligible to date (Line 4 - Line 5.c)	\$	118,618.20
7. Less previous payments (Line 6 from prior application)	\$	44,998.20
8. Amount due this application	\$	73,620.00 ✓
9. Balance to finish, including retainage (Line 3 - Line 4)	\$	535,979.00 ✓

Contractor's Certification

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

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

Contractor: Cross Construction Group

Signature: [Signature] **Date:** 2-22-2021

Recommended by Engineer	Approved by Owner
By: _____ N/A	By: <u>[Signature]</u>
Title: _____	Title: <u>Engineer II</u>
Date: _____	Date: <u>02/26/2021</u>
Approved by Funding Agency	
By: _____ N/A	By: <u>[Signature]</u>
Title: _____	Title: <u>Operations & Flow Manager</u>
Date: _____	Date: <u>02/26/2021</u>

Retainage entry \$ 8180⁰⁰

Progress Estimate - Lump Sum Work

Contractor's Application for Payment

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

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

Application No.: 003 Application Period: From 02/01/21 to 02/28/21 Application Date: 02/26/21

A Item No.	B Description	C Scheduled Value (\$)	D + E Work Completed		F Materials Currently Stored (not in D or E) (\$)	G Work Completed and Materials Stored to Date (D + E + F) (\$)	H % of Scheduled Value (G / C) (%)	I Balance to Finish (C - G) (\$)
			D (D + E) From Previous Application (\$)	E This Period (\$)				
Original Contract								
0	East Building							
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	3,750.00	1,500.00		5,250.00	35%	9,750.00
4	Site Supervision	\$30,000.00	6,000.00	3,000.00		9,000.00	30%	21,000.00
5	Dumpsters	\$3,500.00		700.00		700.00	20%	2,800.00
6	Submittals	\$10,000.00	8,000.00	1,500.00		9,500.00	95%	500.00
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				-	0%	2,000.00
10	Gyp Board & FRP	\$2,500.00		2,500.00		2,500.00	100%	-
11	Ceiling Installation	\$1,500.00		900.00		900.00	60%	600.00
12	Painting	\$2,000.00				-	0%	2,000.00
13	Flooring	\$8,000.00				-	0%	8,000.00
14	Lab Casework	\$24,000.00	13,500.00	4,500.00		18,000.00	75%	6,000.00
15	Mechanical	\$20,000.00		7,000.00		7,000.00	35%	13,000.00
16	Electrical	\$8,000.00		5,200.00		5,200.00	65%	2,800.00
17	Plumbing	\$10,000.00		8,500.00		8,500.00	85%	1,500.00
17.5	Main Building							
18	Demolition & Abatement	\$30,000.00		10,500.00		10,500.00	35%	19,500.00
19	Concrete	\$3,000.00				-	0%	3,000.00
20	Masonry	\$8,000.00				-	0%	8,000.00
21	Structural Steel	\$17,000.00				-	0%	17,000.00
22	Metal Stud Framing	\$30,000.00				-	0%	30,000.00
23	Millwork Installation	\$22,000.00				-	0%	22,000.00
24	Glazing Installation	\$13,000.00				-	0%	13,000.00
25	Doors & Hardware	\$10,000.00				-	0%	10,000.00
26	Gyp Board & FRP	\$20,000.00				-	0%	20,000.00
27	Painting	\$7,500.00				-	0%	7,500.00
28	Ceiling Installation	\$2,000.00				-	0%	2,000.00
29	Lockers	\$4,000.00				-	0%	4,000.00
30	Kitchen Appliance Install	\$1,500.00				-	0%	1,500.00
31	Bathroom Accessories	\$2,500.00				-	0%	2,500.00
32	Visual Display Boards	\$2,000.00				-	0%	2,000.00

Progress Estimate - Lump Sum Work

Contractor's Application for Payment

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

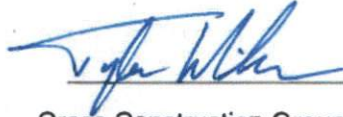
Owner's Project No.: WWS-2020-010
 Engineer's Project No.: 191498
 Contractor's Project No.: BH-724

Application No.: 003 Application Period: From 02/01/21 to 02/28/21 Application Date: 02/26/21

A Item No.	B Description	C Scheduled Value (\$)	D Work Completed		F Materials Currently Stored (not in D or E) (\$)	G Work Completed and Materials Stored to Date (D + E + F) (\$)	H % of Scheduled Value (G / G) (%)	I Balance to Finish (C - G) (\$)
			(D + E) From Previous Application (\$)	This Period (\$)				
33	Corner Guard Installation	\$2,000.00				-	0%	2,000.00
34	Flooring	\$19,547.00				-	0%	19,547.00
35	Tile Installation	\$3,000.00				-	0%	3,000.00
36	Roller Shade Installation	\$4,300.00				-	0%	4,300.00
37	Mechanical	\$75,000.00		11,250.00		11,250.00	15%	63,750.00
38	Electrical	\$55,000.00		5,500.00		5,500.00	10%	49,500.00
39	Plumbing	\$35,000.00		5,250.00		5,250.00	15%	29,750.00
40	Lutz Roofing	\$6,880.00				-	0%	6,880.00
41	Abel Electronics	\$51,683.00				-	0%	51,683.00
42	Macomb County IT	\$43,012.00				-	0%	43,012.00
43	Interior Environment	\$25,355.00				-	0%	25,355.00
44	Building Permit	\$10,000.00	4,748.00			4,748.00	47%	5,252.00
Original Contract Totals		\$ 667,777.00	\$ 49,998.00	\$ 81,800.00	\$ -	\$ 131,798.00	20%	\$ 535,979.00

SWORN STATEMENT

STATE OF MICHIGAN }
COUNTY OF } §



, being duly sworn, states the following:

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

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

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

Name, Address and Phone Number of Subcontractor, Supplier or Laborer	Type of Improvement	Total Contract Price	Amount Already Paid	Amount Currently Owing	Balance To Complete
Detroit Technical Equipment C 1091 Centre Rd, Suite 100 Auburn Hills, MI 48326	Manufactured Casework	24,559.14	24,559.14	.00	
Totals		24,559.14	24,559.14	.00	

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

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

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

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

text

Deponent Signature

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

Subscribed and sworn to before me this

26th day of February 2021



Notary Public

County, Michigan

My Commission Expires: 3-13-2026

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

UNCONDITIONAL WAIVER AND RELEASE ON FINAL PAYMENT

NOTICE TO CLAIMANT: THIS DOCUMENT WAIVES AND RELEASES LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS UNCONDITIONALLY AND STATES THAT YOU HAVE BEEN PAID FOR GIVING UP THOSE RIGHTS. THIS DOCUMENT IS ENFORCEABLE AGAINST YOU IF YOU SIGN IT, EVEN IF YOU HAVE NOT BEEN PAID. IF YOU HAVE NOT BEEN PAID, USE A CONDITIONAL WAIVER AND RELEASE FORM.


Identifying Information

Name of Claimant: Detroit Technical Equipment
Name of Customer: Cross Construction Group
Job Location: Chapaton Lab & Mezzanine (BH-724)
Owner: Macomb County

Unconditional Waiver and Release

This document waives and releases lien, stop payment notice, and payment bond rights the claimant has for all labor and service provided, and equipment and material delivered, to the customer on this job. Rights based upon labor or service provided, or equipment or material delivered, pursuant to a written change order that has been fully executed by the parties prior to the date that this document is signed by the claimant, are waived and released by this document. The claimant has been paid in full.

Signature

Claimant's Signature:  Janice Carter
Claimant's Title: Vice President
Date of Signature: 1-27-21

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

Project Name: Chapaton Pump Station Lab Relocation & Mezzanine Renovation

Contract No.: W019082

Contract Date: 12-8-2020

Contractor: Cross Construction Group

Owner: 8 1/2 Mile Relief Drain Drainage District

Certification Period (From the Date of the Contract to the Date of this Declaration) 2-28-2021

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

Attached Summary, Dated _____

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

CONTRACTOR

By: [Signature]
(Authorized Signature)

Name: Cary D. Humeray
(Print Name)

Title: Project Accountant

Date: 2-26-2021

END OF SECTION 00 61 13.1

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ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95337	2/6/21
4. SET ID		5. POST DATE
FSB Bill Pay 2-1-21		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
DTE Energy	V01270	08	R65YZ-GJHNNH	2/1/2021	\$ 13,468.50

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	92101	CC0004	92101	WO18006	8 1/2 Mile Relief	Acct #9100-0005-3785, 12/8-1/10	\$ 13,468.50	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 13,468.50

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: N/A

27. Engineers: _____

32. Staff Date: 2/16/2021

28. Managers: _____

33. Board Date: 3/8/2021

29. Coordinator: _____

34. Select For Pay Date: _____

DTE**Payment Coupon**

Account Number	910000053785
Due Date:	February 09, 2021
Total Due:	\$13,468.50

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

RL5YZ-GJHNH

Mail Payments to:

DTE Energy
 P.O. Box 740786
 Cincinnati OH 45274-0786

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

Account Information

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

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

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

Summary Of Charges

Account Number 9100-0005-3785

Previous Balance as of 12/11/2020	15,228.70
Payment(s) and Credit(s)	- 15,228.70
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	12/08 - 01/10/21	13,468.50
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$13,468.50

Amount Due on or before Due Date of 02/09/2021 \$13,468.50

Your current charges are due on February 9, 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: 200062679524

Billing Period: 12/08/2020 through 01/10/2021

Days Billed: 34

Metering Information

Meter Number	Start Date	Start Read	Stop Date	Stop Read	Read Difference	Units Multiplier	Usage Used	Type
6698937	12/08	0.1A	01/10	0.4A	0.3	- 6400.000	1,920.0	P - Out-V
6698937	12/08	0.0A	01/10	0.0A	0.0	- 6400.000	0.0	P - Out-W
10056082	12/08	34.5A	01/10	43.7A	9.2	6,400.0000	58,880.0	P - In-V
10056082	12/08	47.9A	01/10	61.4A	13.5	6,400.0000	86,400.0	P - In-W
10056085	12/08	0.0A	01/10	0.0A	0.0	6,400.0000	0.0	P - In-V
10056085	12/08	0.0A	01/10	0.0A	0.0	6,400.0000	0.0	P - In-W
Total KVARH							60,800.00	
Total KWH							86,400.00	

Invoice: 200062679524 Service Name: Chapaton Pumping Station

Item: 7004376662 Cycle: 05

General Service Municipal Pumping-Net Metering Cat1

Billing Status Information

1	On-peak Billing Demand	1224	KW	ESTABLISHED	12/22/2020	16:00
3	65% High OP Bill Dmd June-Oct prec 11 mths	969	KW	ESTABLISHED	09/10/2020	11:30
8	Highest Single Billing Demand	1224	KW	ESTABLISHED	12/22/2020	16:00
A	Current PV High Monthly Demand	1224	KW	ESTABLISHED	12/22/2020	16:00
B	50% of the Contract Capacity for PV	0	KW			
C	Primary Voltage Maximum Demand	6380	KW	ESTABLISHED	07/11/2020	00:00
	Contract Capacity for Location	6738	KW	ESTABLISHED	08/16/2016	05:00
	Power Factor (ratio) for all voltages	83	PCT			
	Total Number of days in the Billing Period	34	DAYS			
	Avg Kilowatthours Used Per Day This Period	2541	KWH			
	Avg Kilowatthours Used Per Day A Year Ago	1569	KWH			
	kWh percentage change from a year ago	62	PCT			
	Metered outflow	0	KWH			
	Net Delivery Billed (inflow)	86400	KWH			
	Net Inflow (In - Out)	86400	KWH			

Charges for 12/08/2020 through 01/10/2021

Power Supply Charges:

Power Supply Energy:						
Power Supply Capacity Charge	86,400	KWH	@ \$	0.0390000	Per Total KWH	3,369.60
Power Supply Non Capacity Charge	86,400	KWH	@ \$	0.0434500	Per Total KWH	3,754.08
Surcharges:						
Power Supply Cost Recovery Factor	86,400	KWH	@ \$	0.0032200	Per Total KWH	278.21
Sub Total:						7,401.89

Delivery Charges:

Service Charge						11.25
Distribution:						
Distribution Energy	86,400	KWH	@ \$	0.0386800	Per Total KWH	3,341.95
Surcharges:						
Nuclear Surcharge	86,400	KWH	@ \$	0.0008420	Per Total KWH	72.75
Other Delivery Surcharges	2	MTR	@ \$	69.4200000		138.84
LIEAF Factor	2	MTR	@ \$	0.9100000		1.82
Sub Total:						3,566.61
Special Facilities Charge						2,500.00

Invoice Subtotal

13,468.50

Michigan State Sales Tax On Taxable Portion

0.00

Invoice Total

\$13,468.50



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

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

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
DTE Energy	V01270	08	R6LF3-04YCP	2/1/2021	\$ 555.41

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	Ac#9100 0005 6739, 1/1-1/31	\$ 555.41	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 555.41

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>2/16/2021</u></p> <p>33. Board Date: <u>3/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--



Payment Coupon

Account Number	910000056739
Due Date:	March 01, 2021
Total Due:	\$555.41

MACOMB COUNTY
21777 DUNHAM RD
CLINTON TWP MI 48036-1005

R6LF3-04YCP

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

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

Account Information

MACOMB COUNTY
21777 DUNHAM RD
CLINTON TWP, MI 48036

Account Number	9100-0005-6739
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DTE-Energy Federal ID No.	38-3217752
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Programs you are enrolled in:

How to contact us:

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 9100-0005-6739

Previous Balance as of 01/07/2021	557.49
Payment(s) and Credit(s)	- 557.49
Remaining Balance	\$0.00

Current Charges

Service Location	Item	Service Type	Rate	Bill Period	Amount
	7004422277	Street Lights OH Standard	EFS_E1UOHS	01/01 - 01/31/21	555.41
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$555.41

Amount Due on or before Due Date of 03/01/2021 \$555.41

Your current charges are due on March 1, 2021. A 2% late payment charge will be applied if paid after the due date.

Detail Charges

Invoice: 200022724981 Service Name: Streetlight
Item: 7004422277 Cycle: 20

Cust Ref #90-M-300
Street Lights OH Standard

Billing Status Information

Total Number of days in the Billing Period	31	DAYS
Avg Kilowatthours Used Per Day This Period	62	KWH
Avg Kilowatthours Used Per Day A Year Ago	62	KWH
kWh percentage change from a year ago	0	PCT

Charges for 01/01/2021 through 01/31/2021

Power Supply Charges:

Energy Charge:						
Power Supply Non Capacity Charge	1,932	KWH	@ \$	0.0447000	Per Total KWH	86.36
Surcharges:						
Power Supply Cost Recovery Factor	1,932	KWH	@ \$	0.0032200	Per Total KWH	6.22
Sub Total:						92.58

Delivery Charges:

Luminaire:						
100 Watt High Pressure Sodium	10	EA	@ \$	15.4700000		154.70
250 Watt High Pressure Sodium	10	EA	@ \$	23.8100000		238.10
Multiple Lamp Discount	2	EA	@ \$	-0.5100000		-1.02
Surcharges:						
Nuclear Surcharge	1,932	KWH	@ \$	0.0008420	Per Total KWH	1.63
Other Delivery Surcharges						69.42
Sub Total:						462.83

Invoice Subtotal

Michigan State Sales Tax On Taxable Portion **555.41**

Invoice Total

\$555.41



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95337	2/26/21
4. SET ID		5. POST DATE
FSB Bill Pay 3-10-21		

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	R8MBG-0MQJD	2/8/2021	\$ 8,821.37

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, 1/11-2/7	\$ 8,821.37	GEN		
B											
C											
D											
E											
F											
G											

REV 09/2018

23. Total: \$ 8,821.37

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>3/2/2021</u> 33. Board Date: <u>3/8/2021</u> 34. Select For Pay Date: _____
---	--

DTE**Payment Coupon**

Account Number	910000053785
Due Date:	March 10, 2021
Total Due:	\$22,289.87

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

R8MBG-DMQJD

Mail Payments to:

DTE Energy
 P.O. Box 740786
 Cincinnati OH 45274-0786

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

Account Information

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

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

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

Programs you are enrolled in:**How to contact us:**

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

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**DTE**

Summary Of Charges

Account Number 9100-0005-3785

Previous Balance as of 01/15/2021	13,468.50
Payment(s) and Credit(s)	0.00
Remaining Balance	13,468.50

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	01/11 - 02/07/21	8,821.37
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$8,821.37

Amount Due on or before Due Date of 03/10/2021 **\$22,289.87**

Your current charges are due on March 10, 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: 210001648906

Billing Period: 01/11/2021 through 02/07/2021

Days Billed: 28

Metering Information

Meter Number	Start Date	Start Read	Stop Date	Stop Read	Read Difference	Units Multiplier	Usage Used	Type
6698937	01/11	0.4A	02/07	0.4A	0.0	- 6400.000	0.0	P - Out-V
6698937	01/11	0.0A	02/07	0.0A	0.0	- 6400.000	0.0	P - Out-W
10056082	01/11	43.7A	02/07	49.3A	5.6	6,400.0000	35,840.0	P - In-V
10056082	01/11	61.4A	02/07	69.1A	7.7	6,400.0000	49,280.0	P - In-W
10056085	01/11	0.0A	02/07	0.0A	0.0	6,400.0000	0.0	P - In-V
10056085	01/11	0.0A	02/07	0.0A	0.0	6,400.0000	0.0	P - In-W
Total KVARH							35,840.00	
Total KWH							49,280.00	

Invoice: 210001648906 Service Name: Chapaton Pumping Station

Item: 7004376662 Cycle: 05

General Service Municipal Pumping-Net Metering Cat1

Billing Status Information

1	On-peak Billing Demand	609	KW	ESTABLISHED	01/13/2021	14:00
3	65% High OP Bill Dmd June-Oct prec 11 mths	969	KW	ESTABLISHED	09/10/2020	11:30
8	Highest Single Billing Demand	609	KW	ESTABLISHED	01/13/2021	14:00
A	Current PV High Monthly Demand	609	KW	ESTABLISHED	01/13/2021	14:00
B	50% of the Contract Capacity for PV	0	KW			
C	Primary Voltage Maximum Demand	6380	KW	ESTABLISHED	07/11/2020	00:00
	Contract Capacity for Location	6738	KW	ESTABLISHED	08/16/2016	05:00
	Power Factor (ratio) for all voltages	80	PCT			
	Total Number of days in the Billing Period	28	DAYS			
	Avg Kilowatthours Used Per Day This Period	1760	KWH			
	Avg Kilowatthours Used Per Day A Year Ago	2760	KWH			
	kWh percentage change from a year ago	-36	PCT			
	Metered outflow	0	KWH			
	Net Delivery Billed (inflow)	49280	KWH			
	Net Inflow (In - Out)	49280	KWH			

Charges for 01/11/2021 through 02/07/2021

Power Supply Charges:

Power Supply Energy:						
Power Supply Capacity Charge	49,280	KWH	@ \$	0.0390000	Per Total KWH	1,921.92
Power Supply Non Capacity Charge	49,280	KWH	@ \$	0.0434500	Per Total KWH	2,141.22
Surcharges:						
Power Supply Cost Recovery Factor	49,280	KWH	@ \$	0.0032200	Per Total KWH	158.68
Sub Total:						4,221.82

Delivery Charges:

Service Charge						11.25
Distribution:						
Distribution Energy	49,280	KWH	@ \$	0.0386800	Per Total KWH	1,906.15
Surcharges:						
Nuclear Surcharge	49,280	KWH	@ \$	0.0008420	Per Total KWH	41.49
LIEAF Factor	2	MTR	@ \$	0.9100000		1.82
Other Delivery Surcharges						138.84
Sub Total:						2,099.55
Special Facilities Charge						2,500.00

Invoice Subtotal

8,821.37

Michigan State Sales Tax On Taxable Portion

0.00

Invoice Total

\$8,821.37



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	2/5/21
4. SET ID		5. POST DATE
VPZ10203MUA		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
DTN, LLC	V43568	01	5884473	1/22/2021	\$ 1,554.00

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200166M	92113	CC0018	92113	WO18300	MIDDD	Acct#0322513, 2/15 - 5/14	\$ 777.00	GEN		
B	8200017M	92113	CC0004	92113	WO18006	8 1/2 Mile Relief	Acct#0322513, 2/15 - 5/14	\$ 582.75	GEN		0
C	8200072M	92113				Martin	Acct#0322513, 2/15 - 5/14	\$ 116.55	GEN		0
D	8703018M	92113			WO18218	SEMCWWDS (BH)	Acct#0322513, 2/15 - 5/14	\$ 38.85	GEN		0
E	8703018M	92113			WO18219	SEMCWWDS (V)	Acct#0322513, 2/15 - 5/14	\$ 38.85	GEN		0
F											
G											

REV 09/2018

23. Total: \$ **1,554.00**

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Storm Sentry

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>Multiple</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>2/16/2021</u></p> <p>33. Board Date: <u>3/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
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Account No.	Invoice No.	Invoice Date
0322513	5884473	22-Jan-2021

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

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

New Charges	\$ 1,554.00
Late Fees	\$ 0.00
Total Due	\$ 1,554.00

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

Customer Service

Billing Customer Service:

888-826-4282, weatherbilling@dtn.com

Technical Support:

800-485-4000

Postal Correspondence:

DTN
18205 Capitol Ave Ste 100
Omaha, NE 68022

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

Pay My Bill

Online: Visit myaccount.dtn.com to submit payments or update your contact information 24 hours a day.

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

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

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

T1210122.001-309-000000265



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

#BWNCVKR
0322513

000155 000000265



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



2



Account No.	Invoice No.	Due Date
0322513	5884473	12-Feb-2021
	Amount Due	\$ 1,554.00
Payment enclosed		.



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

Account Status

New Invoice	Due Date	Balance	Total
5884473	12-Feb-2021	\$ 1,554.00	\$ 1,554.00
TOTAL DUE			\$ 1,554.00

New Charges

Detailed Charges

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI
 Account Number: 0322513 UserID: MACOMB
 Email: JOSEPH.BETZ@MACOMBGOV.ORG

Service Period
 02/15/21-05/14/21 WxSentry Trans Online-Platinum \$ 975.00
SUBTOTAL \$ 975.00

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI
 Account Number: 0322513 UserID: MACOMB2
 Email: JOSEPH.BETZ@MACOMBGOV.ORG

Service Period
 02/15/21-05/14/21 WxSentry Transp Online-Std \$ 120.00
SUBTOTAL \$ 120.00

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI
 Account Number: 0322513 UserID: MACOMB3
 Email: JOSEPH.BETZ@MACOMBGOV.ORG

Service Period
 02/15/21-05/14/21 WxSentry Transp Online-Std \$ 153.00
SUBTOTAL \$ 153.00

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI

Subject to DTN Terms and Conditions

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

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

PST
 QC: 1216123332
 SK: 2446102
 MB: 087446-1
 BC: PST-1000-7804

Payment Information

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

TI210122.001-310-00000265

Electronic Payment Information:

Must reference DTN Account No. and Invoice No.

Banking Details: Remit in USD

DTN, LLC
 Account No.: 464642771
 (ACH) - ABA (Routing)#: 071000013
 (Wire) - ABA (Routing)#: 021000021
 SWIFT ID: CHASUS33

Bank Address:

(ACH) - JPMorgan Chase, Chicago, IL
 (Wire) - JPMorgan Chase, New York, NY

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

Account Number: 0322513 UserID: MACOMB4

Email: JOSEPH.BETZ@MACOMBGOV.ORG

Service Period

02/15/21-05/14/21 WxSentry Transp Online-Std \$ 153.00

SUBTOTAL \$ 153.00

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI

Account Number: 0322513 UserID: MACOMB5

Email: JOSEPH.BETZ@MACOMBGOV.ORG

Service Period

02/15/21-05/14/21 WxSentry Transp Online-Std \$ 153.00

SUBTOTAL \$ 153.00

Total New Charges \$ 1,554.00





ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	2/2/21
4. SET ID		5. POST DATE
NP210205MA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Enviroair Consultants, Inc.	V01485	02	9449	1/29/2021	\$ 1,200.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	95901	CC0018	95901	WO18006	8 1/2 Mile Relief	Confined Space Training: Tanghe/Faylor	\$ 1,200.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 1,200.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

PW000132

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>2/16/2021</u> 33. Board Date: <u>3/8/2021</u> 34. Select For Pay Date: _____
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Invoice

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

DATE	INVOICE NO.
1/29/2021	9449

P.O. NO.	TERMS	REP	PROJECT
PW000132	Net 10	DCM	210127-DCM1

DESCRIPTION	AMOUNT
<p>CONFINED SPACE TRAINING FOR MARK TANGHE & VICTOR FAYLOR AT THE MACOMB COUNTY PUBLIC WORKS BUILDING LOCATED AT 23001 EAST 9 MILE ROAD IN ST. CLAIR SHORES, MI 48080</p> <p>FIELD DATE: January 27, 2021</p> <p>Confined Space Training</p> <p>PLEASE REMIT TO: Enviroair Consultants, Inc. 47519 Van Dyke Avenue Shelby Township, MI 48317</p>	1,200.00

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

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

THANK YOU FOR YOUR BUSINESS

Total	\$1,200.00
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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	2/5/21
4. SET ID		5. POST DATE
VP210205MA		

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	398742	2/1/2021	\$ 1,819.50

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	80138	CC0004	80138	WO19082	8 1/2 Mile Relief	Pjt #191498 thru 1/22/21	\$ 1,819.50	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 1,819.50

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Chapaton Building Renovation

<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: _____ \$15,320.65</p> <p>32. Staff Date: _____ 2/16/2021</p> <p>33. Board Date: _____ 3/8/2021</p> <p>34. Select For Pay Date: _____</p>
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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 : 398742
Invoice Date : 2/1/2021
Project : 191498
Project Name : Macomb Co PW/Chapaton Bldg
 Renovation
Bill Term : 1

For Professional Services Rendered Through 1/22/2021

WO19082 WWS-2019-016

Fee	% Complete	Billings		
		To Date	Previous	Current
105,100.00	85.42	89,779.35	87,959.85	1,819.50
			Current Billings	<u>1,819.50</u>
			Amount Due This Bill	<u>1,819.50</u>

Rate Labor			
<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Engineer	3.00	130.0000	390.00
Production Support	4.00	82.0000	328.00
Senior Architect	6.50	155.0000	1,007.50
Technician	1.00	94.0000	94.00
	Total Rate Labor		1,819.50
Total Bill Task: 191498 - Macomb Co PW/Chapaton Bldg Renovation			1,819.50

Total Project: 191498 - Macomb Co PW/Chapaton Bldg Renovation **1,819.50**



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	2/2/21
4. SET ID		5. POST DATE
VP210205MA		

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
Grainger	V01909	04	9791711683	2/1/2021	\$ 581.15

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	97002	CC0004	97002	WO18006	8 1/2 Mile Relief	Ac#803170893, Lifting Magnet	\$ 581.15	GEN		
B											
C											
D											
E											
F											
G											

REV 09/2018

23. Total: \$ 581.15

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>2/16/2021</u></p> <p>33. Board Date: <u>3/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
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842 03M

25940 GROESBECK HWY.
WARREN, MI 48089-4144
www.grainger.com

ORIGINAL INVOICE

GRAINGER ACCOUNT NUMBER 803170893
INVOICE NUMBER 9791711683
INVOICE DATE 02/01/2021
DUE DATE 03/03/2021
AMOUNT DUE \$581.15

SHIP TO

MACOMB COUNTY PUBLIC WORKS
23001 E 9 MILE RD
SAINT CLAIR SHORES MI 48080-1576

PO NUMBER: CHAPATON RTB
CALLER: BOB BUGAMELLI
CUSTOMER PHONE: 5867723434
ORDER NUMBER: 1405448037
INCO TERMS: FOB ORIGIN

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

Pay invoices online at:
www.grainger.com/invoicing

THANK YOU! FEI NUMBER 36-1150280
FOR QUESTIONS ABOUT THIS INVOICE OR ACCOUNT CALL **1-800-472-4643**

PO LINE #	ITEM #	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
	49P418	LIFTING MAGNET,800 LB. CAPACITY MANUFACTURER # 49P418	1	548.51	548.51
	4YTU5	BLANK,RECT,SS,3/16 T X1 IN W X 6 FT L MANUFACTURER # 4YTU5 Delivery #6497189694 Date Shipped:02/01/2021 Carrier: UPS GROUND No:of Pkgs:2 Wt: 25.380 Trk #:1Z5673R20315633443 1Z5673R20315633890 SHIPPED FROM: DC MINOOKA 005 701 GRAINGER WAY,MINOOKA,IL 60447-9998	1	32.64	32.64

THIS PURCHASE IS GOVERNED EXCLUSIVELY BY GRAINGER'S TERMS OF SALE, INCLUDING: (I) DISPUTE RESOLUTION REMEDIES, AND (II) CERTAIN WARRANTY AND DAMAGES LIMITATIONS AND DISCLAIMERS IN EFFECT AT THE TIME OF THE ORDER, WHICH ARE INCORPORATED BY REFERENCE HEREIN. GRAINGER'S TERMS OF SALE ARE AVAILABLE AT WWW.GRAINGER.COM. PRODUCT RETURN INSTRUCTIONS ARE AVAILABLE AT WWW.GRAINGER.COM/RETURNS

INVOICE SUB TOTAL 581.15

These items are sold for domestic consumption. If exported, purchaser assumes full responsibility for export controls. Diversion contrary to US law prohibited.

PAY THIS INVOICE - PAYMENT TERMS Net 30 days after inv IN U.S. DOLLARS.

AMOUNT DUE \$581.15

PLEASE DETACH THIS PORTION AND RETURN WITH YOUR PAYMENT

BILL TO:

MACOMB COUNTY PUBLIC WORKS
21777 DUNHAM RD
CLINTON TOWNSHIP MI 48036-1005
UNITED STATES OF AMERICA

REMIT TO:

GRAINGER
DEPT. 803198225
PALATINE, IL 60038-0001

8031982259791711683100005811510000000100000001000000210303H4



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/1/21
4. SET ID VP210205MA		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
Swan Analytical Intruments	V67870	01	IN-US21-0250	1/26/2021	\$ 2,138.10

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	93002	CC0004	93002	WO18006	8 1/2 Mile Relief	Cust #625061; Reagent Sets	\$ 2,050.80	GEN		
B	8200017M	72903	CC0004	72903	WO18006	8 1/2 Mile Relief	Cust #625061; Freight	\$ 87.30	GEN		0
C											
D											
E											
F											
G											

REV 09/2018

23. Total: \$ **2,138.10**

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>2/16/2021</u></p> <p>33. Board Date: <u>3/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
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ANALYTICAL INSTRUMENTS

225 LARKIN DR, UNIT 4 · WHEELING, IL 60090 · www.swan-analytical-usa.com · PHONE 847 229 1290 · FAX 847 229 1320

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

Delivery address

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

Invoice No. IN-US21-0250

IL 60090 Wheeling, 01/27/2021

Page 1/1

Your Order No: Verbal Kris 012521
Your Contact: Kris Benda
Customer No: 625061
Date: 01/26/2021

Payment Condition: net 30 days
Prices VAT: Sales Tax not included
Delivery Terms: ex works

Pos.	Part-No.	Items	Quant.	Price	TOTAL USD
10	A-85.419.200	Reagent set Oxycon On-line KI, 8 sets. Reagent set for the determination of total residual chlorine, monochloramines and ozone.	3	258.30	774.90
20	A-85.410.120	Reagent set Oxycon On-line DPD, 8 sets For the determination of free chlorines, chlorine dioxide and bromine. 8 sets. For air transport according to IATA classified as "dangerous goods"!	3	425.30	1,275.90

Total order value \$2,050.80

Freight and Insurance 87.30

TOTAL USD \$2,138.10

UPS TRACKING
1ZA154F50349018008
WINTER PACKED

Chapaton



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	2/2/21
4. SET ID		5. POST DATE
VP210205MA		

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	51695239	2/2/2021	\$ 99,504.25

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017C	80138	CC0033	80138	WO19004	8 1/2 Mile Relief	Pjt #200-16347-19001 thru 1/22/21	\$ 99,504.25	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 99,504.25

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

In-System Storage Devices - MEDC GRANT BALANCE \$626,657.13

<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>\$373,434.80</u></p> <p>32. Staff Date: <u>2/16/2021</u></p> <p>33. Board Date: <u>3/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
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**MACOMB COUNTY PUBLIC WORKS OFFICE
ENGINEERING INVOICE COVER SHEET**

WORK ORDER NUMBER	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	2/2/2021 (INVOICE 51695239)	
INVOICE START DATE	12/26/2020	
INVOICE END DATE	1/22/2021	

ORIGINAL CONTRACT AMOUNT	\$	481,098.00
CHANGE ORDER TOTAL	\$	949,435.00
Change Order No. 1	\$	949,435.00
Change Order No. 2		
Change Order No. 3		
Change Order No. 4		
TOTAL REVISED CONTRACT AMOUNT	\$	1,430,533.00
(includes all approved change orders only)		
TOTAL AMOUNT PREVIOUSLY INVOICED	\$	957,593.95
TOTAL AMOUNT DUE THIS INVOICE	\$	99,504.25
TOTAL BUDGET REMAINING	\$	373,434.80
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)		

Chapaton RTB Canal Upgrades

Invoice #	Date	Amount
Wade Trim - Chapaton Canal Upgrades Contract Value (with Approved Change Orders) \$1,387,874		
M2014218	WADE TRIM	4/1/19 \$27,661.89
M2014455	WADE TRIM	4/26/19 \$45,574.73
M2014760	WADE TRIM	5/31/19 \$123,741.89
M2015047	WADE TRIM	7/1/19 \$82,296.39
M2015870	WADE TRIM	9/24/19 \$89,256.89
M2015339	WADE TRIM	7/30/19 \$81,989.55
M2015602	WADE TRIM	8/28/19 \$78,710.44
2016150	WADE TRIM	11/1/19 \$140,190.80
2016457	WADE TRIM	12/5/19 \$131,501.95
2016836	WADE TRIM	1/3/20 \$63,603.78
2017103	WADE TRIM	1/31/20 \$96,050.13
2017374	WADE TRIM	2/28/20 \$120,258.91
2017671	WADE TRIM	3/27/20 \$100,077.90
2017951	WADE TRIM	4/29/20 \$58,377.75
2018187	WADE TRIM	6/1/20 \$8,312.67

Jacob - Odor Evaluation Study Contract Value \$68,639		
Inv #1	JACOBS	4/16/20 \$59,892.00
Inv #2	JACOBS	5/14/20 \$8,747.00

Tetra Tech - In-System Storage Contract Value (with Approved Change Orders) \$1,430,533		
51471309	TETRA TECH	8/2/19 \$5,891.00
51486824	TETRA TECH	9/12/19 \$9,346.50
51519169	TETRA TECH	11/14/19 \$105,806.32
51532937	TETRA TECH	12/18/19 \$60,288.70
51533040	TETRA TECH	12/19/19 \$23,104.82
51540373	TETRA TECH	1/10/20 \$60,213.92
51548755	TETRA TECH	1/31/20 \$25,087.35
51561487	TETRA TECH	3/4/20 \$37,671.68
51571567	TETRA TECH	4/2/20 \$42,241.43
51583201	TETRA TECH	4/24/2020 \$17,286.00
51597243	TETRA TECH	6/5/20 \$13,300.51
51608770	TETRA TECH	7/8/20 \$70,565.00
51618840	TETRA TECH	8/3/20 \$69,131.63
51628645	TETRA TECH	8/28/20 \$86,908.25
51644958	TETRA TECH	9/30/20 \$81,802.79
51658188	TETRA TECH	10/30/20 \$54,718.75
51672316	TETRA TECH	12/3/20 \$102,559.50
51682605	TETRA TECH	12/30/20 \$91,669.80
51695239	TETRA TECH	1/22/21 \$99,504.25
	Wade Trim Invoiced To Date	\$1,247,605.67
	Jacobs Invoiced To Date	\$68,639.00
	Tetra Tech Invoiced To Date	\$1,057,098.20
Balance of \$3M State Grant Remaining:		\$626,657.13

Wade Pjt Balance	\$140,268.33
JACOBS Pjt Balance	\$0.00
Tetra Tech Pjt Balance	\$373,434.80



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: 51695239
INVOICE DATE: 02/02/2021
SERVICES THROUGH: 01/22/2021
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 01D **Basis of Design**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Lortz, Thomas J.	CAD Designer	52.00	\$140.00	\$7,280.00
Voss, Justin D.	Project Engineer 1	0.50	\$155.00	\$77.50
TOTAL LABOR		52.50		\$7,357.50
		SUBTOTAL		\$7,357.50

Total Top Task# 01D **\$7,357.50**

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

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Rubel, Brian M.	Program Manager	20.00	\$225.00	\$4,500.00
TOTAL LABOR		20.00		\$4,500.00
		SUBTOTAL		\$4,500.00

Total Top Task# 02A **\$4,500.00**

Top Task 02B **Design**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Biagi, James Q.	Project Manager 2	6.00	\$225.00	\$1,350.00
Boehmke, Brett	Engineer 2	17.00	\$115.00	\$1,955.00
Boehmke, Brett	Engineer 3	51.00	\$115.00	\$5,865.00
Geerlings, Eric P.	Project Engineer 1	88.00	\$155.00	\$13,640.00
Graf, Mitchell J.	Project Manager 2	10.50	\$200.00	\$2,100.00
Hourigan, Tricia M.	Sr CAD Designer 1	10.00	\$140.00	\$1,400.00
Johnston, Jeffrey	Engineer 2	24.00	\$115.00	\$2,760.00
Kaliman, Roger G.	Sr Engineer 1	69.00	\$180.00	\$12,420.00
Melling, Vickie L.	CAD Technician 3	12.00	\$80.00	\$960.00
Newman, Thomas S.	Architect 2	46.50	\$137.00	\$6,370.50
Paison, William A.	Sr Engineer 1	22.00	\$215.00	\$4,730.00
Perrin, Paul C.	Project Engineer 2	7.00	\$115.00	\$805.00
Shetty, Sohan P.	Engineer 2	36.00	\$105.00	\$3,780.00

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

INVOICE NUMBER: 51695239
INVOICE DATE: 02/02/2021
SERVICES THROUGH: 01/22/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Sissoko, Moussa D.	Project Engineer 2	20.50	\$200.00	\$4,100.00
Tervo, Jeffrey A.	CAD Technician 2	9.00	\$140.00	\$1,260.00
Ungerer, Jacob	CAD Technician 2	8.00	\$90.00	\$720.00
Weston, Cynthia A.	Project Administrator	8.50	\$90.00	\$765.00
TOTAL LABOR		445.00		\$64,980.50
		SUBTOTAL		\$64,980.50

Total Top Task# 02B \$64,980.50

Top Task 02BS_FKE Design - Subcontractor FKE

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FK ENGINEERING ASSOCIATES	Subcontractor-External	\$7,687.50
TOTAL SUBCONTRACTOR CHARGES		\$7,687.50
	SUBTOTAL	\$7,687.50

Total Top Task# 02BS_FKE \$7,687.50

Top Task 02BS_FTCH Design - Subcontractor FTCH

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$2,700.00
TOTAL SUBCONTRACTOR CHARGES		\$2,700.00
	SUBTOTAL	\$2,700.00

Total Top Task# 02BS_FTCH \$2,700.00

Top Task 02B_TCI Design

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Robitaille, Luc	Engineer 3	25.25	\$250.00	\$6,312.50
Tremblay, Simon	Sr Engineer I&C	27.75	\$215.00	\$5,966.25
TOTAL LABOR		53.00		\$12,278.75
	SUBTOTAL			\$12,278.75

Total Top Task# 02B_TCI \$12,278.75

Total Project# 200-16347-19001 \$99,504.25

TOTAL AMOUNT DUE THIS INVOICE: \$99,504.25

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

INVOICE NUMBER: 51695239
INVOICE DATE: 02/02/2021
SERVICES THROUGH: 01/22/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Gross Contract Summary	
Contract Amount	\$1,430,533.00
Previously Billed	\$957,593.95
Current Billing	\$99,504.25
Total Billed to Date	\$1,057,098.20
Contract Balance Remaining	\$373,434.80

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: 12/16/20
 Total Amount: \$1,814.25
 Number: 19-102-009
 Invoice Period: 11/08/20 - 12/12/20
PO Number: 1106826:2
 Project Code: 19-102
 Project: Macomb In-Line Storage

INVOICE SUMMARY

Description	Amount
Task 2 - Design Phase	\$1,814.25

Description	Total Budget	Remaining Budget (\$)	Prior Billing (\$)	This Invoice (\$)
Task 1 - Study Phase	\$15,000.00	\$4,896.15	\$10,103.85	--
Task 2 - Design Phase	\$68,000.00	\$10,227.33	\$55,958.42	\$1,814.25
	--	--	--	--
BUDGET TOTALS	\$83,000.00	\$15,123.48	\$66,062.27	\$1,814.25
TOTAL AMOUNT DUE				\$1,814.25

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

OK to pay when paid
B. Rubel
12/28/20

184671

200-16347-19001.02BS-FKE
SUB-EXT
200 LEW AA



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: 12/16/20
 Total Amount: \$1,814.25
 Number: 19-102-009
 Invoice Period: 11/08/20 - 12/12/20
 PO Number:
 Project Code: 19-102
 Project: Macomb In-Line Storage

INVOICE DETAILS

Source	Date	Code	Hrs / Qnt	Rate	Amount
Professional Fees					
Zachary Carr	11/09/20	02-Principal Engineer/Officer	2.00	\$145.00	\$290.00
Zachary Carr	11/10/20	02-Principal Engineer/Officer	1.00	\$145.00	\$145.00
Zachary Carr	11/11/20	02-Principal Engineer/Officer	1.00	\$145.00	\$145.00
James Elsey	11/11/20	04-Project Engineer/Geologist	3.00	\$112.00	\$336.00
James Elsey	11/12/20	04-Project Engineer/Geologist	0.25	\$112.00	\$28.00
Zachary Carr	11/12/20	02-Principal Engineer/Officer	1.00	\$145.00	\$145.00
Colin McCann	11/12/20	05-Senior Staff Engineer/Geologist/CADD Operator	2.50	\$95.00	\$237.50
Margaret O'Reilly	11/13/20	09-Administrative Assistant	0.25	\$55.00	\$13.75
Zachary Carr	11/18/20	02-Principal Engineer/Officer	0.50	\$145.00	\$72.50
Zachary Carr	11/21/20	02-Principal Engineer/Officer	0.50	\$145.00	\$72.50
Ava Riley	11/24/20	09-Administrative Assistant	0.25	\$55.00	--
Ava Riley	11/24/20	09-Administrative Assistant	0.25	\$55.00	\$13.75
Margaret O'Reilly	11/24/20	09-Administrative Assistant	0.25	\$55.00	\$13.75
Zachary Carr	12/09/20	02-Principal Engineer/Officer	0.50	\$145.00	\$72.50
Zachary Carr	12/10/20	02-Principal Engineer/Officer	0.50	\$145.00	\$72.50
Nicholas Kacynski	12/10/20	04-Project Engineer/Geologist	0.50	\$112.00	\$56.00
Nicholas Kacynski	12/11/20	04-Project Engineer/Geologist	0.25	\$112.00	\$28.00
Zachary Carr	12/11/20	02-Principal Engineer/Officer	0.50	\$145.00	\$72.50
Task 2 - Design Phase			15.00		\$1,814.25
Professional Fees			15.00		\$1,814.25
TOTAL FEES/EXPENSES			--		\$1,814.25



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

INVOICE

Invoice Date: 01/11/21
 Total Amount: \$5,873.25
 Number: 19-102-010
 Invoice Period: 12/13/20 - 01/09/21
 PO Number: 1166826.2
 Project Code: 19-102
 Project: Macomb In-Line Storage

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

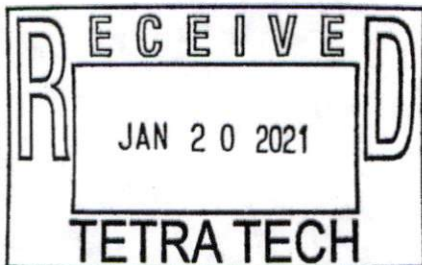
INVOICE SUMMARY

Description	Amount			
Task 2 - Design Phase	\$5,873.25			
Description	Total Budget	Remaining Budget (\$)	Prior Billing (\$)	This Invoice (\$)
Task 1 - Study Phase	\$15,000.00	\$4,896.15	\$10,103.85	--
Task 2 - Design Phase	\$68,000.00	\$4,354.08	\$57,772.67	\$5,873.25
	--	--	--	--
BUDGET TOTALS	\$83,000.00	\$9,250.23	\$67,876.52	\$5,873.25
TOTAL AMOUNT DUE				\$5,873.25

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

OK to pay when paid
 B. Rubel
 1/19/21

184671
 200-16347-19001.02BS-FKE
 sub-EXT
 200 IZU AA





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: 01/11/21
 Total Amount: \$5,873.25
 Number: 19-102-010
 Invoice Period: 12/13/20 - 01/09/21
 PO Number:
 Project Code: 19-102
 Project: Macomb In-Line Storage

INVOICE DETAILS

Source	Date	Code	Hrs / Qnt	Rate	Amount
Professional Fees					
Zachary Carr	12/14/20	02-Principal Engineer/Officer	0.50	\$145.00	\$72.50
Nicholas Kacynski	12/14/20	04-Project Engineer/Geologist	2.00	\$112.00	\$224.00
Nicholas Kacynski	12/15/20	04-Project Engineer/Geologist	1.00	\$112.00	\$112.00
Zachary Carr	12/15/20	02-Principal Engineer/Officer	0.50	\$145.00	\$72.50
Margaret O'Reilly	12/16/20	09-Administrative Assistant	0.25	\$55.00	\$13.75
Nicholas Kacynski	12/18/20	04-Project Engineer/Geologist	0.50	\$112.00	\$56.00
Nicholas Kacynski	12/21/20	04-Project Engineer/Geologist	0.75	\$112.00	\$84.00
Zachary Carr	12/21/20	02-Principal Engineer/Officer	1.00	\$145.00	\$145.00
Zachary Carr	12/22/20	02-Principal Engineer/Officer	1.00	\$145.00	\$145.00
Tasha Cook	12/22/20	06-Staff Engineer/Geologist	7.00	\$85.00	\$595.00
Nicholas Kacynski	12/22/20	04-Project Engineer/Geologist	7.00	\$112.00	\$784.00
Margaret O'Reilly	12/28/20	09-Administrative Assistant	0.25	\$55.00	\$13.75
Tasha Cook	12/28/20	06-Staff Engineer/Geologist	9.00	\$85.00	\$765.00
Zachary Carr	12/28/20	02-Principal Engineer/Officer	0.50	\$145.00	\$72.50
Nicholas Kacynski	12/28/20	04-Project Engineer/Geologist	2.00	\$112.00	\$224.00
Nicholas Kacynski	12/29/20	04-Project Engineer/Geologist	0.50	\$112.00	\$56.00
Ava Riley	12/29/20	09-Administrative Assistant	0.25	\$55.00	\$13.75
Nicholas Kacynski	12/31/20	04-Project Engineer/Geologist	2.00	\$112.00	\$224.00
Nicholas Kacynski	01/04/21	04-Project Engineer/Geologist	1.00	\$112.00	\$112.00
Nicholas Kacynski	01/05/21	04-Project Engineer/Geologist	4.00	\$112.00	\$448.00
Zachary Carr	01/05/21	02-Principal Engineer/Officer	0.50	\$145.00	\$72.50
Nicholas Kacynski	01/06/21	04-Project Engineer/Geologist	6.00	\$112.00	\$672.00
Nicholas Kacynski	01/07/21	04-Project Engineer/Geologist	8.00	\$112.00	\$896.00
Task 2 - Design Phase			55.50		\$5,873.25
Professional Fees			55.50		\$5,873.25
TOTAL FEES/EXPENSES			--		\$5,873.25

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

P.E. 1166522.5

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

Invoice: 397554
 Invoice Date: 12/29/2020
 Project: 200732
 Project Name: Macomb Co PW/In-system Storage
 Design Phase
 Bill Term: 1

For Professional Services Rendered Through 12/25/2020

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1C - 8.5 Mile Utility Survey	96,524.00	64,777.20	34,446.80	31,746.80	2,700.00
Rate Labor		2,700.00			
					2,700.00
					2,700.00

OK
 to pay when paid
 B. Rubel
 12/31/20

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

RECEIVED
 DEC 31 2020
 TETRA TECH

1 - Task 1C - 8.5 Mile Utility Survey

Rate Labor

<u>Class</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Senior Engineer	19.00	130.0000	2,470.00
	1.00	175.0000	175.00
Total Senior Engineer	----- 20.00		----- 2,645.00
Senior Technician	0.50	110.0000	55.00
	Total Rate Labor		2,700.00
Total Bill Task: 1 - Task 1C - 8.5 Mile Utility Survey			2,700.00

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

2,700.00



PROJECT STATUS COMMUNICATION

DATE: January 28, 2021

PREPARED BY: Brian Rubel / Eric Geerlings

PROJECT: Macomb Co. In-System Storage Devices

Tt PROJECT NO: 200-16347-19001 CONTACT: Mr. Vince Astorino / Mr. Steve Rozycki
(INVOICE 51695239)

Tasks completed or in-progress since last status communication.

- Generated renderings of vent shielding/disguise options to aid MCPWO with decision making and St. Clair Shores meetings.
- Coordinated with Arcon regarding details for the inflatable sewer gate (ISG) design.
- Delivered draft Easement documents requested by Eastpointe for Beaconsfield site.
- Facilitated meetings between Arcon and MCPWO for the inflatable sewer gate (ISG) scale model testing phase.
- Submitted 90% design deliverables (drawings, specifications with updated Geotechnical Reports and PCNs, and cost opinion).

Opportunities for cost avoidance or added value.

Impediments, roadblocks, assistance needed.

Assistance from MCPWO is needed to solicit direction from St. Clair Shores regarding park amenities and other miscellaneous issues. Backing up to change design features may not be accommodated in the project budget.

Direction from MCPWO is needed regarding the desired aesthetics for the venting sites. Depending on the request, it may require one-off design so that a specialty fabrication shop will be able to manufacture the vents.

Change (or potential change) of scope items or customer concession. (Details on attached Request to Change Authorization)

It may be necessary to revisit the budget when the design nears completion to account for many additional months of coordination and work created by the design schedule extension needed to support the inflatable manufacturers.

The schedule for 100% documents is delayed due to community reviews but is still tracking well ahead of the vendor's testing schedule.

Schedule:

The 90% design schedule was met by Tetra Tech but the bidding schedule is being delayed by the inflatable vendor. Meeting the revised bidding and construction schedule is contingent upon successful scale model testing of the inflatable sewer gate (ISG) being completed by Arcon / Mecan-Hydro. Planning Commission approvals are also required from both St. Clair Shores and Eastpointe, and these may also impact when permits will be obtained and when public meetings will be held. Manufacturer testing remains the critical path.

Next task or action items.

1. Submit to Planning Commissions for St. Clair Shores and Eastpointe (only after receiving authority to do that from MCPWO).
2. Submit for EGLE preliminary review concurrently with the Planning Commissions (only after receiving authority to do that from MCPWO).
3. Update design drawings for vent shielding/disguises based on direction from MCPWO.
4. Coordinate with St. Clair Shores for the park amenities and other coordination items.
5. Coordinate with utilities (electrical, gas, water, stormwater, sewer, and telecommunications).
6. Continue preparation of other permitting documentation and reports.

Please do not hesitate to contact any member of our Team at any time.

Brian Rubel
Project Manager

Phone: (734) 649-4546

Email: Brian.Rubel@tetrattech.com



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	2/25/21
4. SET ID		5. POST DATE
VP210226NA		

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	51704530	2/25/2021	\$ 46,888.12

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 2/19/21	\$ 46,888.12	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **46,888.12**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

In-System Storage Devices - MEDC GRANT BALANCE \$579,769.01

25. Finance Officer: _____ **BM/mh**

26. Chief Deputy: _____

27. Engineers: _____

28. Managers: _____

29. Coordinator: _____

30. Drain: _____ **8 1/2 Mile Relief**

31. Project Balance: _____ **\$326,546.68**

32. Staff Date: _____ **3/2/2021**

33. Board Date: _____ **3/8/2021**

34. Select For Pay Date: _____

**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 2/25/2021 (INVOICE 51704530)

INVOICE START DATE 1/23/2021

INVOICE END DATE 2/19/2021

ORIGINAL CONTRACT AMOUNT	\$ 481,098.00
CHANGE ORDER TOTAL	\$ 949,435.00
Change Order No. 1	\$ 949,435.00
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 1,430,533.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 1,057,098.20
TOTAL AMOUNT DUE THIS INVOICE	\$ 46,888.12
TOTAL BUDGET REMAINING	\$ 326,546.68 ✓
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	

GRANT BALANCE \$579,769.01

Chapaton RTB Canal Upgrades

Invoice #	Date	Amount
Wade Trim - Chapaton Canal Upgrades Contract Value (with Approved Change Orders) \$1,387,874		
M2014218	WADE TRIM	4/1/19 \$27,661.89
M2014455	WADE TRIM	4/26/19 \$45,574.73
M2014760	WADE TRIM	5/31/19 \$123,741.89
M2015047	WADE TRIM	7/1/19 \$82,296.39
M2015870	WADE TRIM	9/24/19 \$89,256.89
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2017671	WADE TRIM	3/27/20 \$100,077.90
2017951	WADE TRIM	4/29/20 \$58,377.75
2018187	WADE TRIM	6/1/20 \$8,312.67

Jacob - Odor Evaluation Study Contract Value \$68,639		
Inv #1	JACOBS	4/16/20 \$59,892.00
Inv #2	JACOBS	5/14/20 \$8,747.00

Tetra Tech - In-System Storage Contract Value (with Approved Change Orders) \$1,430,533		
51471309	TETRA TECH	8/2/19 \$5,891.00
51486824	TETRA TECH	9/12/19 \$9,346.50
51519169	TETRA TECH	11/14/19 \$105,806.32
51532937	TETRA TECH	12/18/19 \$60,288.70
51533040	TETRA TECH	12/19/19 \$23,104.82
51540373	TETRA TECH	1/10/20 \$60,213.92
51548755	TETRA TECH	1/31/20 \$25,087.35
51561487	TETRA TECH	3/4/20 \$37,671.68
51571567	TETRA TECH	4/2/20 \$42,241.43
51583201	TETRA TECH	4/24/2020 \$17,286.00
51597243	TETRA TECH	6/5/20 \$13,300.51
51608770	TETRA TECH	7/8/20 \$70,565.00
51618840	TETRA TECH	8/3/20 \$69,131.63
51628645	TETRA TECH	8/28/20 \$86,908.25
51644958	TETRA TECH	9/30/20 \$81,802.79
51658188	TETRA TECH	10/30/20 \$54,718.75
51672316	TETRA TECH	12/3/20 \$102,559.50
51682605	TETRA TECH	12/30/20 \$91,669.80
51695239	TETRA TECH	1/22/21 \$99,504.25
51704530	TETRA TECH	2/25/21 \$46,888.12

Wade Trim Invoiced To Date \$1,247,605.67

Jacobs Invoiced To Date \$68,639.00

Tetra Tech Invoiced To Date \$1,103,986.32

Balance of \$3M State Grant Remaining: \$579,769.01

Wade Pjt Balance	\$140,268.33
JACOBS PJT Balance	\$0.00
Tetra Tech Pjt Balance	\$326,546.68



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: 51704530
INVOICE DATE: 02/25/2021
SERVICES THROUGH: 02/19/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

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

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

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Rubel, Brian M.	Program Manager	8.00	\$225.00	\$1,800.00
TOTAL LABOR		8.00		\$1,800.00
		SUBTOTAL		\$1,800.00

Total Top Task# 02A \$1,800.00

Top Task 02B **Design**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Biagi, James Q.	Project Manager 2	3.00	\$225.00	\$675.00
Geerlings, Eric P.	Project Engineer 1	47.50	\$155.00	\$7,362.50
Graf, Mitchell J.	Project Manager 2	6.25	\$200.00	\$1,250.00
Johnston, Jeffrey	Engineer 2	4.00	\$115.00	\$460.00
Kaliman, Roger G.	Sr Engineer 1	29.50	\$180.00	\$5,310.00
Newman, Thomas S.	Architect 2	12.00	\$137.00	\$1,644.00
Nolta, Michael C.	Project Administrator	3.50	\$90.00	\$315.00
Paison, William A.	Sr Engineer 1	2.00	\$215.00	\$430.00
Sissoko, Moussa D.	Project Engineer 2	2.00	\$200.00	\$400.00
TOTAL LABOR		109.75		\$17,846.50
		SUBTOTAL		\$17,846.50

OTHER DIRECT CHARGES	TYPE	CURRENT QUANTITY	UNIT RATE	CURRENT AMOUNT
FEDERAL EXPRESS CORPORATION	Postage/Shipping			\$40.62
TOTAL OTHER DIRECT CHARGES				\$40.62
		SUBTOTAL		\$40.62

Total Top Task# 02B \$17,887.12

Top Task 02BS_ECT **Design - Subcontractor ECT**

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
ENVIRONMENTAL CONSULTING & TECHNOLOGY INC	Subcontractor-External	\$9,845.00

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

INVOICE NUMBER: 51704530
INVOICE DATE: 02/25/2021
SERVICES THROUGH: 02/19/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

TOTAL SUBCONTRACTOR CHARGES \$9,845.00

SUBTOTAL \$9,845.00

Total Top Task# 02BS_ECT **\$9,845.00**

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

<u>SUBCONTRACTOR</u>	<u>TYPE</u>	<u>CURRENT AMOUNT</u>
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$17,141.00
TOTAL SUBCONTRACTOR CHARGES		<u>\$17,141.00</u>
		SUBTOTAL <u>\$17,141.00</u>
		Total Top Task# 02BS_FTCH \$17,141.00

Top Task **02B_TCI** Design

<u>EMPLOYEE</u>	<u>TITLE</u>	<u>CURRENT LABOR HOURS</u>	<u>LABOR RATE</u>	<u>CURRENT LABOR AMOUNT</u>
Tremblay, Simon	Sr Engineer I&C	1.00	\$215.00	\$215.00
TOTAL LABOR		<u>1.00</u>		<u>\$215.00</u>
				SUBTOTAL <u>\$215.00</u>
				Total Top Task# 02B_TCI \$215.00
				Total Project# 200-16347-19001 \$46,888.12

TOTAL AMOUNT DUE THIS INVOICE: **\$46,888.12**

Gross Contract Summary	
Contract Amount	\$1,430,533.00
Previously Billed	\$1,057,098.20
Current Billing	\$46,888.12
Total Billed to Date	<u>\$1,103,986.32</u>
Contract Balance Remaining	\$326,546.68

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.

PMP

ECT Environmental Consulting & Technology, Inc.
 3701 Northwest 98th Street
 Gainesville, FL 32606 - 352-332-0444

TETRA TECH OF MICHIGAN
 710 AVIS DRIVE
 STE 100
 ANN ARBOR, MI 48108

Invoice #: 210456
 Invoice Date: 1/22/2021
 Project: 190509
 Project Name: MACOMB IN-SYS STRGE DEVICE-LANDA
 Fed ID: 59-2921038
 Terms: NET 10 DAYS

Attention: BRIAN RUBEL P E

Client Ref: TT PN - 200-16347-19001-1

For Professional Services Rendered through: 12/31/2020
 EMAIL INVOICE TO BRIAN.RUBEL@TETRATECH.COM

Phase Code / Name	Phase Fee	Previous Amount	Current Amount	% Complete	Total Fee Earned
0100 -- STUDY	23,068.00	5,835.00	0.00	25.29	5,835.00
0200 -- WELSH CONSTR DRAWINGS	42,750.00	25,497.50	8,702.50	80.00	34,200.00
0300 -- BEACONFIELD CONSTR DRAWINGS	7,775.00	5,077.50	1,142.50	80.00	6,220.00
Total Fee:	73,593.00				

Total Fee Earned To Date 46,255.00
 Less Previous Billings 36,410.00
Amount Due this Invoice 9,845.00

P.O. 1166619:2

Project Manager: PATRICK J. JUDD
 Billings: 000596

129566
 200-16347-19001.02BS-ECT
 sub-EXT
 200 FEW AA

OK to pay when paid
 B. Rubel
 1/27/21



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

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

Invoice: 398203
Invoice Date: 1/27/2021
Project: 200732
Project Name: Macomb Co PW/In-system Storage Design Phase
Bill Term: 1

For Professional Services Rendered Through 1/22/2021

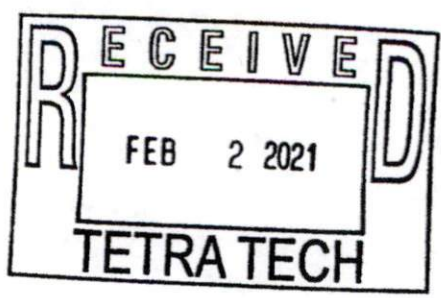
P.O. 116652215

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1C - 8.5 Mile Utility Survey	96,524.00	62,077.20	51,587.80	34,446.80	17,141.00
Rate Labor		17,141.00			

Current Billings 17,141.00
Amount Due This Bill 17,141.00

A 103976
 200-16347-19001.02BS_FTCH
 SUB-EXT
 200 LEV AA

OK to pay when paid
 B. Rubel
 1/29/21



1 - Task 1C - 8.5 Mile Utility Survey

Rate Labor Class	Hours	Rate	Amount
Engineering Specialist	1.50	89.0000	133.50
Senior Engineer	97.50	130.0000	12,675.00
	1.50	175.0000	262.50
Total Senior Engineer	99.00		12,937.50
Senior Technician	37.00	110.0000	4,070.00
Total Rate Labor			17,141.00
Total Bill Task: 1 - Task 1C - 8.5 Mile Utility Survey			17,141.00

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

17,141.00



PROJECT STATUS COMMUNICATION

DATE: February 24, 2021

PREPARED BY: Brian Rubel / Eric Geerlings

PROJECT: Macomb Co. In-System Storage Devices

Tt PROJECT NO: 200-16347-19001 CONTACT: Mr. Vince Astorino / Mr. Steve Rozycki
(INVOICE 51704530)

Tasks completed or in-progress since last status communication.

- Continued coordination with Arcon regarding details for the inflatable sewer gate (ISG) design.
- Communicated with both St. Clair Shores and Eastpointe regarding their review requirements at this stage.
- Facilitated meetings between Arcon and MCPWO for the inflatable sewer gate (ISG) scale model testing phase.
- Provided additional vent shielding/disguise options to aid MCPWO with decision making.
- Reviewed MCPWO's 90% design drawing comments and updated two drawing sheets ahead of community review submittals.

Opportunities for cost avoidance or added value.

Impediments, roadblocks, assistance needed.

Ongoing support from MCPWO is needed to solicit direction from St. Clair Shores regarding park amenities and other miscellaneous issues. Backing up to change design features may not be accommodated in the project budget. A meeting with the St. Clair Shores Parks department has been scheduled for March 3rd to gather feedback and direction.

Assistance from MCPWO is needed to confirm if new leadership in Eastpointe requires and easement for the building construction in Beaconsfield.

Direction from MCPWO is needed regarding the desired aesthetics for the venting sites. Depending on the request, it may require one-off design so that a specialty fabrication shop will be able to manufacture the vents.

MCPWO previously suggested that utility relocation occur prior to letting the general contract. If that is to occur, Tetra Tech needs direction to start and advice on how these relocations will be funded.

Change (or potential change) of scope items or customer concession. (Details on attached Request to Change Authorization)

It may be necessary to revisit the budget when the design nears completion to account for many additional months of coordination and work created by the design schedule extension needed to support the inflatable manufacturers.

The schedule for 100% documents is delayed due to vendor's testing schedule.

Schedule:

The 90% design schedule was met by Tetra Tech but the bidding schedule is being delayed by the inflatable vendor. Meeting the revised bidding and construction schedule is contingent upon successful scale model testing of the inflatable sewer gate (ISG) being completed by Arcon / Mecan-Hydro. Community approvals are also required from both St. Clair Shores and Eastpointe, and these may also impact when permits will be obtained and when public meetings will be held. Manufacturer testing remains the critical path.

Next task or action items.

1. Submissions for Planning Commission and/or Administrative Review by St. Clair Shores and the City of Eastpointe.
2. Assist MCPWO with submission of Part 41 Permit and review by EGLE concurrently with the community reviews.
3. Coordinate with St. Clair Shores for the park amenities and other coordination items.
4. Coordinate with utilities (electrical, gas, water, stormwater, sewer, and telecommunications), if requested.
5. Coordinate with Arcon for inflatable sewer gate design.
6. Update design drawings for vent shielding/disguises based on direction from MCPWO.
7. Continue preparation of other permitting documentation and reports.

Please do not hesitate to contact any member of our Team at any time.

Brian Rubel
Project Manager

Phone: (734) 649-4546

Email: Brian.Rubel@tetrattech.com



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	2/3/21
4. SET ID		5. POST DATE
VP210205MA		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Wade Trim	V09446	02	2020146	2/2/2021	\$ 2,097.54

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	80138	CC0004	80138	WO19073	8 1/2 Mile Relief	Pjt #MCW200601T, thru 12/26-1/29	\$ 2,097.54	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 2,097.54

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Chapaton RTB Disinfection Improvements

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>\$72,875.60</u> 32. Staff Date: <u>2/16/2021</u> 33. Board Date: <u>3/8/2021</u> 34. Select For Pay Date: _____
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**MACOMB COUNTY PUBLIC WORKS OFFICE
CONSULTANT INVOICE COVER SHEET**

WORK ORDER NUMBER 19073

PROJECT NUMBER WWS-2019-017

PROJECT NAME Chapaton RTB Disinfection Improvements

DRAINAGE DISTRICT Eight and One-Half Mile

CONSULTANT NAME Wade Trim Associates, Inc.

INVOICE DATE 2/2/2021

INVOICE START DATE 12/26/2020

INVOICE END DATE 1/29/2021

ORIGINAL CONTRACT AMOUNT		\$	107,780.00
CHANGE ORDER TOTAL		\$	74,917.50
Change Order No. 1	Date Executed: 9/21/2020	\$	74,917.50
Change Order No. 2	Date Executed:		
Change Order No. 3	Date Executed:		
Change Order No. 4	Date Executed:		
TOTAL REVISED CONTRACT AMOUNT		\$	182,697.50
(includes all approved change orders only)			
TOTAL AMOUNT PREVIOUSLY INVOICED		\$	107,724.36
TOTAL AMOUNT DUE THIS INVOICE		\$	2,097.54
TOTAL BUDGET REMAINING		\$	72,875.60
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)			



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

INVOICE

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

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

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

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

Invoice : 2020146
Invoice Date : 2/2/2021
Project : MCW200601T
Project Name : Chapaton RTB Disinfection
Improvements

For Professional Services Rendered For 12/26/2020 Through 1/29/2021

		<u>Billings</u>				
		<u>Fee</u>	<u>Available</u>	<u>To Date</u>	<u>Previous</u>	<u>Current</u>
<i>Rate Labor</i>	2,083.75	182,697.50	74,973.14	109,821.90	107,724.36	2,097.54
<i>Expenses</i>	13.79					
					Current Billings	<u>2,097.54</u>
					Amount Due This Bill	<u>2,097.54</u>

Total Fee : 182,697.50
To Date Billings : 109,821.90
Total Remaining : 72,875.60

400 - Final Design

Rate Labor					
<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>	
Project Aide II					
Jennie L Benford	1/4/2021	0.50	90.0000	45.00	
Total Rate Labor				45.00	

600 - Project Management - Construction Phase

Rate Labor					
<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>	
Project Aide III					
Melanie A Phillips	1/12/2021	0.50	130.0000	65.00	
Senior Professional					
John Arvai	1/4/2021	0.25	265.0000	66.25	
	1/6/2021	0.25	265.0000	66.25	
	1/7/2021	0.25	265.0000	66.25	
	1/11/2021	0.25	265.0000	66.25	
	1/26/2021	2.00	265.0000	530.00	
	1/28/2021	0.25	265.0000	66.25	
Total Senior Professional		3.25		861.25	
Total Rate Labor				926.25	

Total Bill Task: 600 - Project Management - Construction Phase 926.25

700 - CEI Services - Construction Phase

Rate Labor					
<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>	
Engineer II					
Jason Obrycki-Smith	1/4/2021	0.50	105.0000	52.50	
	1/7/2021	0.50	105.0000	52.50	
	1/15/2021	0.50	105.0000	52.50	
	1/18/2021	0.50	105.0000	52.50	
	1/25/2021	3.00	105.0000	315.00	
	1/26/2021	2.00	105.0000	210.00	
	1/29/2021	0.50	105.0000	52.50	
Total Engineer II		7.50		787.50	
Engineer III					
Oneida Westhoff	1/5/2021	2.50	130.0000	325.00	
Total Rate Labor				1,112.50	

Total Bill Task: 700 - CEI Services - Construction Phase 1,112.50

800 - Expenses - Construction Phase

Expenses					
<i>Account / Vendor</i>	<i>Doc Number</i>	<i>Date</i>	<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>
Computer Equipment / Software					
Jason Obrycki-Smith	ER000156755	12/29/2020	11.99	1.150	13.79
Total Expenses					13.79

Total Project: MCW200601T - Chapaton RTB Disinfection Improvements 2,097.54

Work Description:

Project management and administration coordination activities, staff and team meetings. Prepared monthly invoice and progress report. Review of contractor pay application and submittals. Attendance on site at Progress Meeting #1 held January 26, 2021.



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	2/26/21
4. SET ID		5. POST DATE
JP210226MA		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Wade Trim	V09446	02	2020353	2/25/2021	\$ 2,617.63

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	80138	CC0004	80138	WO19073	8 1/2 Mile Relief	Pjt #MCW200601T, thru 1/30-2/19	\$ 2,617.63	GEN		
B											
C											
D											
E											
F											
G											

REV 09/2018

23. Total: \$ 2,617.63

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Chapaton RTB Disinfection Improvements

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>\$70,257.97</u></p> <p>32. Staff Date: <u>3/2/2021</u></p> <p>33. Board Date: <u>3/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	---

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

WORK ORDER NUMBER 19073

PROJECT NUMBER WWS-2019-017

PROJECT NAME Chapaton RTB Disinfection Improvements

DRAINAGE DISTRICT Eight and One-Half Mile

CONSULTANT NAME Wade Trim Associates, Inc.

INVOICE DATE 2/25/2021

INVOICE START DATE 1/30/2021

INVOICE END DATE 2/19/2021

ORIGINAL CONTRACT AMOUNT			\$ 107,780.00
CHANGE ORDER TOTAL			\$ 74,917.50
Change Order No. 1	Date Executed:	9/21/2020	\$ 74,917.50
Change Order No. 2	Date Executed:		
Change Order No. 3	Date Executed:		
Change Order No. 4	Date Executed:		
TOTAL REVISED CONTRACT AMOUNT			\$ 182,697.50
(includes all approved change orders only)			
TOTAL AMOUNT PREVIOUSLY INVOICED			\$ 109,821.90
TOTAL AMOUNT DUE THIS INVOICE			\$ 2,617.63
TOTAL BUDGET REMAINING			\$ 70,257.97
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)			



WADE TRIM

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

INVOICE

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

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

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

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

Invoice : 2020353
Invoice Date : 2/25/2021
Project : MCW200601T
Project Name : Chapaton RTB Disinfection
Improvements

For Professional Services Rendered For 1/30/2021 Through 2/19/2021

	Fee	Available	Billings		
			To Date	Previous	Current
	182,697.50	72,875.60	112,439.53	109,821.90	2,617.63
Rate Labor	2,540.00				
Expenses	13.79				
Unit Rate Expense	63.84				
Total Expense	77.63				

Current Billings	<u>2,617.63</u>
Amount Due This Bill	<u>2,617.63</u>

Total Fee : 182,697.50
To Date Billings : 112,439.53
Total Remaining : 70,257.97

Outstanding Receivables	Invoice Number	Date	Amount	Balance Due
	2020146	2/2/2021	2,097.54	<u>2,097.54</u>
				2,097.54

100 - Project Management

Rate Labor				
<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Project Aide III				
Melanie A Phillips	2/9/2021	0.50	125.0000	62.50
Senior Professional				
John Arvai	2/15/2021	0.25	260.0000	65.00
Total Rate Labor				127.50
Total Bill Task: 100 - Project Management				127.50

400 - Final Design

Rate Labor				
<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Engineer III				
Oneida Westhoff	2/5/2021	1.00	125.0000	125.00
Total Rate Labor				125.00

600 - Project Management - Construction Phase

Rate Labor				
<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Senior Professional				
John Arvai	2/2/2021	1.00	265.0000	265.00
	2/3/2021	0.25	265.0000	66.25
	2/4/2021	0.25	265.0000	66.25
	Total Senior Professional		1.50	
Total Rate Labor				397.50
Total Bill Task: 600 - Project Management - Construction Phase				397.50

700 - CEI Services - Construction Phase

Rate Labor				
<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Engineer II				
Jason Obrycki-Smith	2/5/2021	1.00 OT	157.5000	157.50
	2/1/2021	1.00	105.0000	105.00
	2/2/2021	3.00	105.0000	315.00
	2/3/2021	1.50	105.0000	157.50
	2/8/2021	1.50	105.0000	157.50
	2/9/2021	2.00	105.0000	210.00
	2/11/2021	3.00	105.0000	315.00
	2/12/2021	0.50	105.0000	52.50
	2/15/2021	2.00	105.0000	210.00
	2/16/2021	2.00	105.0000	210.00
	Total Jason Obrycki-Smith		17.50	
Total Engineer II		17.50		1,890.00
Total Rate Labor				1,890.00
Total Bill Task: 700 - CEI Services - Construction Phase				1,890.00

800 - Expenses - Construction Phase

Expenses					
<u>Account / Vendor</u>	<u>Doc Number</u>	<u>Date</u>	<u>Cost</u>	<u>Multiplier</u>	<u>Amount</u>
Computer Equipment / Software					
Jason Obrycki-Smith	ER000157122	1/29/2021	11.99	1.150	13.79
Total Expenses					13.79
Unit Rate Expenses					
<u>Account / Unit / Vendor</u>		<u>Quantity</u>		<u>Rate</u>	<u>Amount</u>
Employee Mileage - Regular Rate					
Employee Mileage					
John Arvai		60.00		0.5700	34.20
Jason Obrycki-Smith		52.00		0.5700	29.64
Total Employee Mileage					63.84
Total Employee Mileage - Regular Rate					63.84
Total Unit Rate Expenses					63.84
Total Bill Task: 800 - Expenses - Construction Phase					77.63

Total Project: MCW200601T - Chapaton RTB Disinfection Improvements

2,617.63

Work Description: Project management and administration coordination activities, staff and team meetings. Prepared monthly invoice and progress report. Review of contractor submittals, RFIs and pay applications. On site construction observation effort as requested by MCPWO.



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	2/26/21
4. SET ID		5. POST DATE
VP210226MA		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Weiss Construction	V081320	01	PAY EST #3	1/28/2021	\$ 72,393.30

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8200017M	80126	CC0004	80126	WO19073	8 1/2 Mile Relief	Pay Est #3 2/1-2/28	\$ 52,189.20	GEN		
B	8200072M	80126			WO19074	Martin	Pay Est #3 2/1-2/28	\$ 20,204.10	GEN		0
C											
D											
E											
F											
G											

REV 09/2018

23. Total: \$ 72,393.30

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Record retainage (WO19073) \$5,798.80 for total retainage of \$10,384.40. Record retainage (WO19074) \$2,244.90 for total retainage of \$2,890.20

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile; Martin</u></p> <p>31. Project Balance: <u>\$860,115.77 (\$13,274.60 Retainage)</u></p> <p>32. Staff Date: <u>3/2/2021</u></p> <p>33. Board Date: <u>3/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
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**MACOMB COUNTY PUBLIC WORKS OFFICE
CONTRACTOR INVOICE COVER SHEET**

WORK ORDER NUMBER WO19073

PROJECT NUMBER WWS-2020-09

PROJECT NAME Chapaton RTB & Martin RTB Disinfection Improvements

DRAINAGE DISTRICT 8 1/2 Mile Relief Drain Drainage Distric

CONTRACTOR NAME Weiss Construction LLC

INVOICE DATE February 28, 2021

INVOICE START DATE February 1, 2021

INVOICE END DATE February 28, 2021

ORIGINAL CONTRACT AMOUNT		\$ 995,925.00
CHANGE ORDER TOTAL		\$ (16,337.83)
Change Order No. 1	Date Executed: 12/21/2021	\$ (16,337.83)
Change Order No. 2	Date Executed:	
Change Order No. 3	Date Executed:	
Change Order No. 4	Date Executed:	
TOTAL REVISED CONTRACT AMOUNT		\$ 979,587.17
(includes all approved change orders only)		
TOTAL AMOUNT PREVIOUSLY INVOICED		\$ 47,078.10
TOTAL AMOUNT DUE THIS INVOICE		\$ 72,393.30
TOTAL BUDGET REMAINING		\$ 860,115.77
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)		

Record \$ 5,798.80 (W019073) Ret. → TOTAL \$ 10,384.40 } ← Retainage
 Record \$ 2,244.90 (W019074) Retainage → TOTAL \$ 2,890.20 } ← Retainage

Progress Estimate - Lump Sum Work

Contractor's Application for Payment

Owner: Macomb County Public Works
 Engineer: Wade Trim Associates
 Contractor: Weiss Construction
 Project: Chapaton RTB and Martin RTB Disinfection Improvements
 Contract: WWS-2020-09

Owner's Project No.: WWS-2020-09
 Engineer's Project No.: Mcw 2006-01T
 Contractor's Project No.: 2020-07

Application No.: 003 Application Period: From 02/01/21 to 02/28/21 Application Date: 01/28/21

A Item No.	B Description	C Scheduled Value (\$)	D + E Work Completed		F Materials Currently Stored (not in D or E) (\$)	G Work Completed and Materials Stored to Date (D + E + F) (\$)	H % of Scheduled Value (G / C) (%)	I Balance to Finish (C - G) (\$)
			(D + E) From Previous Application (\$)	This Period (\$)				
Original Contract								
01	GENERAL CONDITIONS - CHAPATON	\$81,000.00	20,250.00	6,750.00		27,000.00	33%	54,000.00
02	GENERAL CONDITIONS - MARTIN	\$19,020.00	4,755.00	1,585.00		6,340.00	33%	12,680.00
03	PROCURE - PIPE MATERIALS (UPSTAIRS)	\$16,088.00	-	16,088.00		16,088.00	100%	-
04	PROCURE - PIPE MATERIALS (BASIN)	\$114,000.00	-			-	0%	114,000.00
05	PROCURE - AIR COMPRESSOR	\$12,500.00	-			-	0%	12,500.00
06	CHAPATON MOBILIZATION	\$19,500.00	19,500.00			19,500.00	100%	-
07	CHAPATON BYPASS PIPING	\$9,500.00	-			-	0%	9,500.00
08	DEMO CHAPATON PUMP ROOM PIPING	\$5,025.00	-			-	0%	5,025.00
09	INSTALL CHAPATON PUMP ROOM PUMPS & PIPING	\$18,500.00	-	9,250.00		9,250.00	50%	9,250.00
10	DEMO CHAPATON PUMP ROOM PUMPS & PADS	\$21,000.00	-			-	0%	21,000.00
11	INSTALL NEW PUMP PADS IN CHAPATON PUMP ROOM	\$19,000.00	-	19,000.00		19,000.00	100%	-
12	DEMO CHAPATON TANK ROOM PUMPS & PIPING	\$3,850.00	-			-	0%	3,850.00
13	INSTALL CHAPATON TANK ROOM PIPING	\$13,800.00	-	6,900.00		6,900.00	50%	6,900.00
14	FURNISH & INSTALL CHAPATON TANK ROOM PUMPS	\$17,625.00	-			-	0%	17,625.00
15	DEMO & INSTALL NEW AIR COMPRESSOR	\$8,500.00	-			-	0%	8,500.00
16	CHAPATON ROOM FINISHES	\$5,250.00	-			-	0%	5,250.00
17	FURNISH & INSTALL CHAPATON VFD'S	\$65,100.00	-			-	0%	65,100.00
18	FURNISH & INSTALL CHAP. MAGNETIC FLOWMETERS	\$28,350.00	-			-	0%	28,350.00
19	FURNISH & INSTALL CHAP. ELECT. CONDUIT & WIRING	\$57,062.00	-			-	0%	57,062.00
20	CHAPATON O&M MANUALS	\$2,625.00	-			-	0%	2,625.00
21	CHAPATON TRAINING	\$2,100.00	-			-	0%	2,100.00
22	CHAPATON START-UP	\$8,925.00	-			-	0%	8,925.00
23	INSTALL CHEMICAL LINES IN BASIN	\$76,750.00	-			-	0%	76,750.00
24	INSTALL CHEMICAL LINES FOR 9 MILE DIFFUSER IN BASIN	\$51,250.00	-			-	0%	51,250.00
25	INSTALL SAMPLE LINES IN BASIN	\$75,750.00	-			-	0%	75,750.00
26	TEST & PUT CHAPATON BASIN PIPING INTO SERVICE	\$5,150.00	-			-	0%	5,150.00
27	DEMO EXISTING PIPING IN BASIN	\$61,500.00	-			-	0%	61,500.00
28	PROCURE - MARTIN PIPE MATERIALS	\$15,285.00	-	11,464.00		11,464.00	75%	3,821.00
29	MARTIN MOBILIZATION	\$5,000.00	-	5,000.00		5,000.00	100%	-
30	MARTIN BYPASS PIPING	\$3,100.00	-			-	0%	3,100.00
31	DEMO MARTIN HYDROCHLORITE PUMP 1 & PIPING	\$2,950.00	-			-	0%	2,950.00
32	INSTALL MARTIN HYDROCHLORITE PUMP 1 & PIPING	\$29,350.00	-			-	0%	29,350.00
33	DEMO MARTIN HYDROCHLORITE PUMP 2 & PIPING	\$2,950.00	-			-	0%	2,950.00
34	INSTALL MARTIN HYDROCHLORITE PUMP 2 & PIPING	\$29,350.00	-			-	0%	29,350.00

Progress Estimate - Lump Sum Work

Contractor's Application for Payment

Owner: Macomb County Public Works
 Engineer: Wade Trim Associates
 Contractor: Weiss Construction
 Project: Chapaton RTB and Martin RTB Disinfection Improvements
 Contract: WWS-2020-09

Owner's Project No.: WWS-2020-09
 Engineer's Project No.: Mcw 2006-01T
 Contractor's Project No.: 2020-07

Application No.: 003 Application Period: From 02/01/21 to 02/28/21 Application Date: 01/28/21

A Item No.	B Description	C Scheduled Value (\$)	D + E Work Completed		F Materials Currently Stored (not in D or E) (\$)	G Work Completed and Materials Stored to Date (D + E + F) (\$)	H % of Scheduled Value (G / C) (%)	I Balance to Finish (C - G) (\$)
			(D + E) From Previous Application (\$)	This Period (\$)				
35	REMOVE & INSTALL MARTIN RECIRCULATING PUMP & PIPING	\$3,395.00	-			-	0%	3,395.00
36	DEMO MARTIN PUMPS & PADS	\$3,900.00	-			-	0%	3,900.00
37	INSTALL MARTIN PUMP PADS	\$4,400.00	-	4,400.00		4,400.00	100%	-
38	FURNISH & INSTALL MARTIN VFD'S	\$27,300.00	-			-	0%	27,300.00
39	FURNISH & INSTALL MARTIN MAGNETIC FLOWMETERS	\$12,600.00	-			-	0%	12,600.00
40	FURNISH & INSTALL MARTIN ELEC. CONDUIT & WIRING	\$17,500.00	-			-	0%	17,500.00
41	MARTIN O&M MANUALS	\$1,575.00	-			-	0%	1,575.00
42	MARTIN TRAINING	\$2,100.00	-			-	0%	2,100.00
43	MARTIN START-UP	\$4,725.00	-			-	0%	4,725.00
44	ROOFING ALLOWANCE - CHAPATON	\$1,725.00	-			-	0%	1,725.00
45	PERMIT ALLOWANCE - CHAPATON	\$5,000.00	6,106.00			6,106.00	122%	(1,106.00)
46	PERMIT ALLOWANCE - MARTIN	\$5,000.00	1,698.00			1,698.00	34%	3,302.00
Original Contract Totals		\$ 995,925.00	\$ 52,309.00	\$ 80,437.00	\$ -	\$ 132,746.00	13%	\$ 863,179.00

Progress Estimate - Lump Sum Work

Contractor's Application for Payment

Owner: Macomb County Public Works
 Engineer: Wade Trim Associates
 Contractor: Weiss Construction
 Project: Chapaton RTB and Martin RTB Disinfection Improvements
 Contract: WWS-2020-09

Owner's Project No.: WWS-2020-09
 Engineer's Project No.: Mcw 2006-01T
 Contractor's Project No.: 2020-07

Application No.: 003 Application Period: From 02/01/21 to 02/28/21 Application Date: 01/28/21

A Item No.	B Description	C Scheduled Value (\$)	D Work Completed		F Materials Currently Stored (not in D or E) (\$)	G Work Completed and Materials Stored to Date (D + E + F) (\$)	H % of Scheduled Value (G / C) (%)	I Balance to Finish (C - G) (\$)
			(D + E) From Previous Application (\$)	This Period (\$)				
Change Orders								
001	Credit for Recirculating Pumps	(16,337.83)				-	0%	(16,337.83)
						-		-
						-		-
						-		-
						-		-
						-		-
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						-		-
						-		-
Change Order Totals		\$ (16,337.83)	\$ -	\$ -	\$ -	\$ -	0%	\$ (16,337.83)
Original Contract and Change Orders								
Project Totals		\$ 979,587.17	\$ 52,309.00	\$ 80,437.00	\$ -	\$ 132,746.00	14%	\$ 846,841.17

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

Project Name: Chapaton RTB and Martin RTB Disinfection Improvements

Contract No.: WWS-2020-009

Contract Date: 10/21/2020

Contractor: Weiss Construction, LLC

Owner: 8 1/2 Mile Relief Drain Drainage District

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

October 12, 2020 - February 28, 2021

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

Attached Summary, Dated _____

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

CONTRACTOR

By: Joshua Wittenbach (Authorized Signature) Digitally signed by Joshua Wittenbach
Name: Joshua Wittenbach (Print Name) Date: 2021.02.26 08:33:24 -05'00'

Title: _____

Date: _____

END OF SECTION 00 61 13.1

Budget to Actual
8.5 Mile Relief
As of Feb 28, 2021 = 42%

DESCRIPTION	2021 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Interest Earned	175,000		6,418	168,582	3.7%
Other Revenue	4,000		1,319	2,681	33.0%
8.5 O&M/Charge Required Revenue	4,509,865		2,254,933	2,254,932	50.0%
PY Revenue-Fund Balance	4,522,050			4,522,050	0.0%
Rental Fee	16,460		-	16,460	0.0%
Total Revenue Accounts	9,227,375	-	2,262,670	6,964,705	24.5%
EXPENSE ACCOUNTS					
Application/Permit Fee	6,000		6,000	-	100.0%
Dues, Training, Conf, Subs.	12,850		8,824	4,026	68.7%
Engineering					
Flushing systems replacement-Design	1,328,480			1,328,480	0.0%
Basin Structural Repairs-Desing & Construction	750,000			750,000	0.0%
Equipment Hatch crane replacement	100,000			100,000	0.0%
9 Mile Bypass Pipe Structural Repairs	500,000			500,000	0.0%
As needed Engineering	87,810		3,349	84,461	3.8%
Chapaton Improvements-Office Space	820,000		56,687	763,313	6.9%
Disinfection system upgrade (Design and Construction)	901,625		68,318	833,307	7.6%
Chapaton Improvements-Lab Relocation	166,910			166,910	0.0%
In-System Storage-Construction & Const Admin	2,250,000		440,397	1,809,603	19.6%
9 Mile Bypass Design	44,165			44,165	0.0%
New Equipment ⁽¹⁾	15,500		20,146	(4,646)	130.0%
Office Supplies	750		120	630	16.0%
Operating Supplies	63,700		13,673	50,027	21.5%
Other Professional Srvcs	46,700		600	46,100	1.3%
Personnel Services	1,061,320			1,061,320	0.0%
Repair & Maintenance	161,000		50,861	110,139	31.6%
Pumping and screening improvements	211,540		200,070	11,470	94.6%
SRF Replacement Reserve	259,215			259,215	0.0%
Scada System	165,710		13,806	151,904	8.3%
Utilities	274,100		19,519	254,581	7.1%
Total Expense Accounts	9,227,375	-	902,370	8,325,005	9.8%

	O&M Balance 9/30/2020	O&M	Total 2/28/2021
Cash - Operating	12,629,705	1,360,300	13,990,005
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		2,262,670	2,262,670
Expenditures		902,370	902,370
			0
Equity*	12,629,705		13,990,005

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		