

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

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

**Call in Number: 1-423-720-0191
Access Code: 311 154 467**

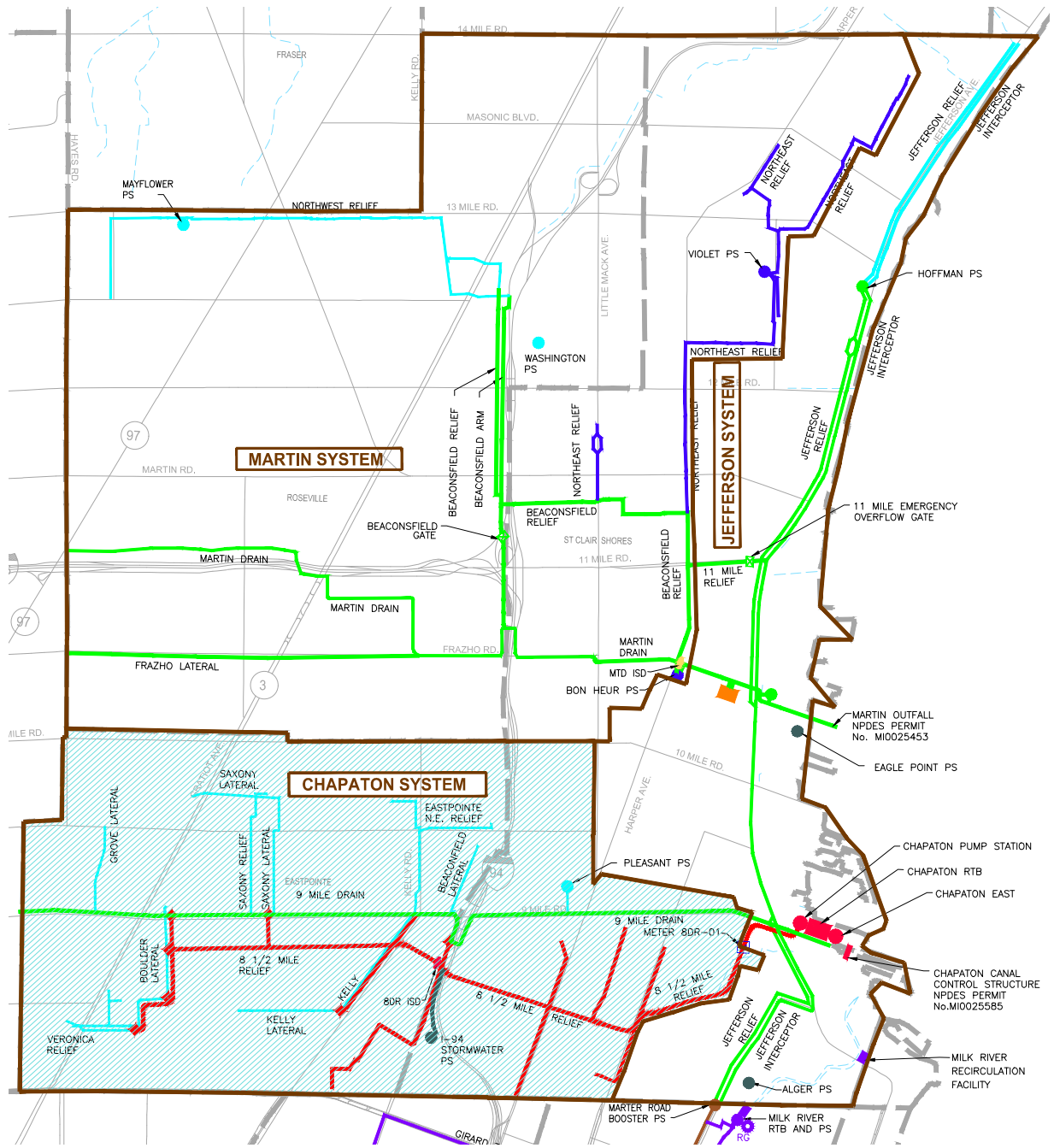
	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for December 13, 2021	
3. Approval of Minutes for November 8, 2021	3
4. Public Participation	
5. Project Updates – Vincent Astorino	5
6. Fishbeck As-Needed Engineering Services Change Order – Vincent Astorino	7
Motion: To approve Change Order #6 for \$115,000 to the Fishbeck As-Needed Engineering Contract to reflect updated rates and budgeted amounts (8 ½ Mile share \$75,000).	
7. In-System Storage Project Construction Bid Award – Vincent Astorino	15
Motion: To award the bid for the construction of the In-System Storage Project to Weiss Construction in the amount of \$9,673,200.	
8. Consideration for approval of invoices (see attached)	20
9. Financial Report – Bruce Manning	126
10. Adjourn	

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

CHAPATON SYSTEM MAP

Macomb County, MI

Southeast Macomb Sanitary District Wastewater Master Plan



SYSTEM LEGEND
(AS OF DATE OF PUBLICATION)

- SYSTEM BOUNDARY

DISTRICT LEGEND
(AS OF DATE OF PUBLICATION)

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

ASSET LEGEND

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

PROJECT NO.
181053

3.6

An adjourned meeting of the Intra-County Drainage Board for the **EIGHT AND ONE-HALF MILE RELIEF DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham Clinton Township, Michigan, and virtually per the State Public Act 254 of 2020, on November 8, 2021, at 10:09 A.M.

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

ALSO PRESENT: Don VanSyckel, Macomb County Board of Commissioners; Brian Baker, Chief Deputy, Stephen Downing, Construction & Maintenance Manager, Bruce Manning, Financial Manager, Vince Astorino, Operations & Flow Manager, Kellie Kource, Drain Account Specialist, Norb Franz, Communications Manager, Dan Acciavatti, Deputy Government Relations, Macomb County Public Works

The meeting was called to order by the Chair, Candice S. Miller. 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 October 18, 2021 were presented. A motion was made by Mr. Santo, supported by Ms. Klinefelt to approve the minutes as presented.

Adopted: YEAS: 3
NAYS: 0

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

Mr. Astorino updated the board that there was a rain event on October 25th with 2.37 inches of rain with 47.9 million gallons of treated discharge and no operational issues. We were able to store the full amount of the October 29th rain event at Chapaton, resulting in no discharge.

The disinfection project is officially closed out.

The 9 Mile drain structural repair project is very close to completion. They have finished the 8.5 tunnel leak fixes, along with the 9 mile drain. We are seeking quotes from contractors for the final repairs of the expansion joints in the basin.

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

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$369,253.11 to the board for review and approval.

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

Adopted: YEAS: 3
NAYS: 0

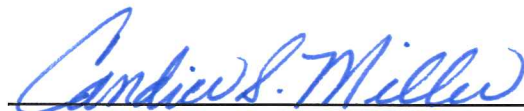
A motion to receive and file the financial report given by Mr. Manning was made by Mr. Santo and supported by Ms. Klinefelt.

Adopted: YEAS: 3
NAYS: 0

There being no further business, it was moved by Ms. Klinefelt, supported by Mr. Santo, 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 10:19 a.m.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

STATE OF MICHIGAN
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taken by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on November 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.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

DATED: 11/8/21



Candice S. Miller

Public Works Commissioner
Macomb County

To: 8 ½ Mile Relief Drain Drainage District Board Members

CC: File

From: Vincent Astorino, Operations & Flow Manager

Date: December 13, 2021

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

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

Wet Weather Operations

There were no wet weather events for the month of November.

Chapaton Basin and 9 Mile Drain Structural Repairs Project

Contractor: Pullman

Engineering Consultant: NTH

Project Description:

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

Significant project tasks that have occurred over the past month:

1. Completed additional repairs in the Chapaton Aeration Chamber east of the weir wall.
2. Performed site cleanup and began preparing close-out documents

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount		\$736,950.00
Total Spent to Date	Pay App #1-4	\$368,576.14
Remaining Budget		\$368,373.86



Figure 1 – Aeration Chamber – Demo / Prep for ceiling repairs



Figure 2 – Aeration Chamber – Concrete ceiling repairs



Figure 3 – Aeration Chamber – Concrete ceiling repairs



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: December 13, 2021

Subject: Change Order #6 Approval Request for As-Needed Engineering Services – Fishbeck

In early 2019, a competitive bid was issued on MITN for consultants to submit a Statement of Qualifications and Rate Schedule for as-needed engineering services. The Board approved the recommendation to award a contract to FTCH with an overall budget of \$198,919.00. The three drain districts known as the 8.5 Mile Drain Drainage District (8MRDDD), Martin Sanitary Diversion Drainage District (MSDDD), and Southeast Macomb Wastewater Drain System (SEMCWDS) were all included in this. That budget was allocated out as follows:

- 8MRDDD = \$151,919
- MSDDD = \$37,000
- SEMCWDS = \$10,000

Since the original contract, the 8 ½ Mile and Martin drain boards have awarded change orders 1 through 5 for various projects which are described below.

- Change Order 1 = Increase in general as-needed funds by \$100,000.
- Change Order 2 = Martin Flushing Improvements Design in the amount of \$69,960.
- Change Order 3 = Chapaton RTB and 9 Mile Structural Repairs CCA in the amount of \$128,732.
- Change Order 4 = Martin In-System Storage Design in the amount of \$358,720 (SEMSD funding).
- Change Order 5 = Martin Flushing Improvements CCA in the amount of \$90,000.

The 2021/2022 SE Macomb budgets allocated a total of \$115,000 for As-Needed Engineering Services for the 3 drain districts. The budgeted split was broken out as follows:

- 8MRDDD = \$75,000
- MSDDD = \$25,000
- SEMCWDS = \$15,000

This general as-needed work is used for a variety of tasks to support the MCPWO in the SE Macomb Drain Districts. The current funds which were last increased as part of Change Order 1 are low and in need of an increase.

The MCPWO Engineering staff has determined a need to allocate additional funds to the As-Needed Engineering Consultant Fishbeck. The attached change order will allocate an additional \$115,000 to Fishbeck

broken out as shown in the budget breakdown above per district. The As-Needed Engineering Services contracts have allowed the MCPWO Engineering staff to quickly and efficiently obtain services for smaller tasks.

MCPWO has reviewed the new 2022 rates and compared them to the 2020 rates that were on file. Overall it is about a 6.2% increase over a two-year period. This is a fair increase and the overall rates are in line or even lower than other firms that we have contracts with.

A draft copy of the change order has been attached for reference. On behalf of the MCPWO Engineering staff please approve this request to allocate \$115,000 to Fishbeck and update to their 2022 rates as Change Order #6 on the 8MRDDD as-needed contract.

Attachments: Change Order No. 6 – Fishbeck

Date of Issuance: 12/13/21
Owner: 8 1/2 Mile Relief Drain
Drainage District
Engineer: Fishbeck

Effective Date: 12/13/21
Owner's Contract No.: WWS-2019-001
Engineer Contract No.: 19005
Contract Name: SE Macomb As-Needed

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

Add \$115,000 to the existing contract to provide as-needed engineering support to the MCPWO engineering staff. This increased will be allocated with \$75,000 to Task 1 – 8MRDDD, \$25,000 to Task 2 – MSDDD, and \$15,000 to SEMCWWDS. 2022 rate sheets have also been included for billing going forward.

The original Contract Sum was: \$ 198,919.00

The net change from previously approved Change Orders No. 1 to No. 5: \$ 747,412.00

The Contract Sum prior to this Change Order: \$ 946,331.00

The Contract Sum prior to this Change Order will be increased by: \$ 115,000.00

The new Contract Sum, including this Change Order, will be: \$ 1,061,331.00

The Contract Time will be unchanged by: 0 (days)

The date of Substantial Completion as of the date of this Change Order, therefore, is:

ACCEPTED:

By: _____
Owner (Authorized Signature)

ACCEPTED:

By: _____
Engineer (Authorized Signature)

Title _____

Date _____

Title _____

Date _____

November 18, 2021

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

**Proposal for As-Needed Engineering Services
SE Macomb As Needed
Change Order No. 6: 2022 Rate Adjustment**

Dear Mr. Astorino:

Please see attached the 2022 Hourly Rate and Fee Schedules for our team for the SE Macomb As-Needed Project. These rates would apply to the following system:

1. WO19005 – 8 ½ Mile Relief Drain Drainage District
2. WO19006 – Martin Sanitary Diversion Drainage District
3. WO19007 – Southeast Macomb County Wastewater Disposal System

We thank you in advance and 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

Attachment

2022 Fishbeck Fee Schedule for Professional Services

The following is Fishbeck’s comprehensive schedule with hourly rates for each of the applicable staff classifications. The hourly rates include overhead and profit. These rates apply to all the engineering fields we are submitting on and will remain for the duration of the 1-year contract.

Category	Role	2022 Rate
Project Management	Project Manager	\$200
Engineering (Civil, Mechanical, Electrical, Structural, Process)	Senior Engineer	\$185
	Engineer	\$144
	Staff Engineer	\$122
Inspection	Senior Technician	\$127
	Technician	\$104
	Staff Technician	\$82
Surveying	Senior Surveyor	\$144
	Surveyor	\$127
	Survey Specialist	\$116
GIS Mapping/CADD	Senior Technician	\$151
	Technician	\$116
	Staff Technician	\$98
Environmental Scientist	Senior Environmental Specialist	\$174
	Environmental Specialist	\$127
	Staff Environmental Specialist	\$104
Specialist	Senior Engineering Specialist	\$169
	Senior Estimator	\$180
Architecture	Senior Architect	\$185
	Architect	\$144
	Staff Architect	\$122
Administrative	Principal	\$230
	Clerical/Production Support	\$78

Invoices are rendered every four weeks and payment is due upon receipt.

Direct Expenses

Category	Rate
Mileage/Passenger Vehicles	\$0.56/mile
Field and Services Vehicles	\$0.95/mile (\$37/day minimum)
Global Positioning Unit	\$50/hour
Survey Robot	\$35/hour
Flow Monitor	\$650/month
Equipment Schedule	Separate Schedule
Expenses and Outside Services	Cost plus 5%



HOURLY-BASE FEE SCHEDULE

PROFESSIONAL SERVICES

Where it is agreed that fees for services will be based upon the time worked on the project, such fees will be computed at the following rates:

<u>Classification Hourly Rate</u>	<u>2022 Rates</u>
Principal Engineer/Surveyor/Architect	\$183.50
Project Manager	\$179.50
Senior Project Engineer	\$169.00
Project Engineer/Project Surveyor/ Resident Project Representative	\$153.00
Operation and Maintenance Specialist	\$147.00
Graduate Engineer/Surveyor/Architect	\$126.50
Team Leader/Designer	\$126.50
Drafter/Technician	\$104.50
Clerical	\$ 50.50
One-person Survey Crew (Crew Chief) w/Truck and Equipment	\$179.50
Two-person Survey Crew (Crew Chief and Instrument Man w/Truck and Equipment)	\$247.50
Three-person Survey Crew (Crew Chief and Instrument Man and Assistant w/Truck and Equipment)	\$305.00
Three Person Sewer Crew	\$357.00
Four Person Sewer Crew	\$435.50
Construction Observer	\$104.50

If necessary, the Consultant would serve on litigation or as an expert witness at a rate of 1.5 times the current hourly rate.

These rates are inclusive of all overhead items that are normal business operations. No reimbursable for normal business operations will be allowed, i.e., mileage, faxes, phone bills, etc.

Hourly-Basis Fee Schedule to be adjusted beginning January 1, 2023.

Effective January 1, 2022.



// 2022 FEE AND RATE SCHEDULE PROFESSIONAL SERVICES

PERSONNEL

Fees for our services will be based upon the time worked on the project by professional, technical and clerical personnel according to the following schedule:

	PER HOUR
Technician I*	\$60
Word Processor*	\$65
Technician II*	\$70
Technician III*	\$82
Lab Technician*	\$88
Technician IV*	\$88
Senior Technician/Certified Welding Inspector*	\$110
CADD Operator	\$93
Staff Professional	\$120
Senior Staff Professional	\$137
Project Professional	\$154
Senior Project Professional	\$170
Principal Engineer	\$192
Senior Principal Engineer	\$220
Corporate Officer	\$245

**For these personnel, overtime work will be charged at a rate equal to 1.33 times the Standard Rate.*

A premium of 25 percent will be added to hourly rates for expert testimony and depositions, including preparation time.

NTH Consultants and Professionals include Engineers, Geologists, Environmental Specialists, Architects, Roofing Specialists, Industrial Hygienists, Environmental Health Specialists, Scientists, Asbestos Specialists, and Environmental Chemists. NTH Technicians include Engineering, Environmental, Construction Materials, and Environmental Health technical specialists.

NTH operates on a strong project management system, and a Project Manager is appointed for each project. Project Managers are selected from our staff of Senior Project Professionals, Principal Engineers and Senior Principal Engineers.

EXPENSES

The following expenses, when incurred in direct connection with the project, will be charged at the rate shown:

Transportation, Lodging, and Subsistence (including personal vehicle mileage).....	Cost + 5%
Printing, Reproduction, Photographs, Long Distance Telephone and Telecopier Charges, Shipping Charges and Material Purchases	Cost + 5%
Project Mileage for Company-Owned Vehicles	\$1.00 / Mile
Cellular Phone (Field Projects)	\$15 / Day
CADD Supply Charge	\$6 / Hour

Rental of Specialized Field, Laboratory or Monitoring Equipment will be billed as indicated on NTH Schedule of Equipment Usage Rates.

SUBCONTRACTORS / SUBCONSULTANTS

On projects requiring subcontractors or subconsultants, we will obtain the services of reputable contractors or consultants to perform such work. The fees of these contractors or consultants plus a 5% service charge will be added to our invoices.

INVOICES

Progress invoices will be submitted to the client monthly and a final bill will be submitted upon completion of our services. Invoices for cost plus and time and materials projects will show charges for different personnel and expense classifications. Each invoice is due on presentation and is past due thirty (30) days from invoice date. Client agrees to pay a finance charge of one percent (1%) per month on past due accounts. We reserve the right to suspend or terminate work under our agreement upon failure of the client to pay invoices when due.

INCREASES

Fee schedule increases made by our firm on an overall client basis will be applied to work on all projects as the increases become effective.



2022 Hourly Labor Rates (MCPWO)

<u>Classification</u>	<u>Rate</u>
Principal Engineer	\$183.00
Senior Project Manager	\$153.00 - \$170.00
Project Manager	\$132.00
Project Engineer	\$96.00 - \$120.00
Staff Engineer	\$80.00 - \$93.00
CADD Manager	\$105.00
CADD Technician	\$75.00
Field Engineer	\$85.00
Engineering Technician	\$73.00 - \$96.00
Technician	\$55.00 - \$85
Controller	\$130.00
Clerical	\$72.00

Overhead Rate = 145%

Profit = 15%

Mark-Up on Other Direct Costs = 5%



Candice S. Miller

Public Works Commissioner
Macomb County

To: 8-1/2 Mile Relief Drain Drainage District Board Members

CC: FILE

From: Vince Astorino, Operations & Flow Manager

Date: December 13, 2021

Subject: 8-1/2 In-System Storage

The Macomb County Public Works Office (MCPWO) solicited bids on the Michigan Inter-governmental Trade Network (MITN) for the construction of an In-System Storage Device in the 8-1/2 Mile Relief Drain Drainage District (8MRDDD). The primary focus of the project is the construction of an access shaft and installation of the In-System Storage Device at Beaconsfield and Oak in Eastpointe. This project will achieve an additional 3.5 million gallons of storage within the 8.5 Mile Relief tunnel. This volume will equate out to approximately a 15% reduction in average annual overflow volumes.

The Request for Bid (RFB) was issued on MITN from 10-19-21 to 12-02-21. A total of 52 vendors downloaded the project documents. A total of two Addendums were issued during the open bid period. On 12-1-21 bids were received from Ric-Man Construction, Oscar Renda Contracting, Christman Constructors Inc., Weiss Construction, and L. D'Agostini & Sons. A summary of the bid results is shown in the table below. The design engineer, Tetra Tech and their subconsultants, have reviewed each of the bids. The design team discussed the bid tabulation with the apparent low bidder, Weiss Construction, to verify the full scope of services was considered in the bid. Tetra Tech has confirmed the bid is reasonable for the scope of services described in the construction drawings and specifications. The most recent Engineer's opinion of probable cost is \$9,371,000.

There will be a change order to Tetra Tech to cover the cost for Construction Contact Administration (CCA) services presented at a later Board meeting.

Presented in the table below is a summary of bids.

Contractor	Oscar Renda Contracting	Christman Constructors Inc.	Ric-Man Construction	L. D'Agostini & Sons	Weiss Construction
Bid Price	\$ 22,777,000	\$ 11,199,974	\$ 16,244,100	12,150,000	\$ 9,673,200

OFFICE LOCATION: 21777 Dunham Road, Clinton Township, Michigan 48036 • Phone: 586-469-5325 • Fax: 586-469-5933

MAILING ADDRESS: P. O. Box 806, Mt. Clemens, Michigan 48046-0806

ENGINEERING • Phone: 586-469-5910 • Fax: 586-469-7693 ♦ **SOIL EROSION** • Phone: 586-469-5327 • Fax 586-307-8264

The recommendation is for the 8 ½ Mile Drainage District Board to accept the bid and enter an agreement with Weiss Construction for the construction of an In-System Storage Device for the bid amount of \$9,673,200.00.

Attachments: Tetra Tech Bid Comparison Memo

OFFICE LOCATION: 21777 Dunham Road, Clinton Township, Michigan 48036 • Phone: 586-469-5325 • Fax: 586-469-5933

MAILING ADDRESS: P. O. Box 806, Mt. Clemens, Michigan 48046-0806

ENGINEERING • Phone: 586-469-5910 • Fax: 586-469-7693 ♦ **SOIL EROSION** • Phone: 586-469-5327 • Fax 586-307-8264



December 3, 2021

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

**Re: 8-1/2 Mile Drain Drainage District (District)
In-System Storage Project
Bid Award Recommendation**

Dear Mr. Astorino:

Bids for the In-System Storage Project were opened on December 1, 2021. Five bids were received and the results are tabulated on the attachment.

The lowest bid was received from Weiss Construction Company, LLC of Novi for \$9,673,200. This bid is very close to Tetra Tech's opinion of cost of \$9,371,000. Both Tetra Tech and the Public Works staff have worked with Weiss on previous projects with favorable results. Tetra Tech has called other references provided by Weiss and has received favorable reviews of their work.

In conversations with Weiss to discuss their bid, Tetra Tech learned that a key member of Weiss' staff installed similar devices that are present on GLWA's system, including working with the same in-system gate vendor personnel proposed for this project. We feel this experience and relationships will be beneficial to the project.

Tetra Tech is pleased with the number of bids, the quality of contractors who bid, and the amount of the low bid within the current competitive construction market. Tetra Tech concludes that Weiss is the lowest responsive bidder and recommends the 8-1/2 Mile Drain Drainage District award the project to Weiss Construction Company, LLC.

This is a complex project and unforeseen conditions could result. For this reason, Tetra Tech recommends that the District plan on a 5% contingency to this contract amount.



Thank you for the opportunity to serve you on this project. We look forward to a successful construction phase.

Sincerely;

A handwritten signature in black ink that reads 'Brian M. Rubel'.

Brian M. Rubel, P.E.
Vice President

Attachment: Bid Tabulation

8-1/2 Mile In-System Storage
 Project # WWS-2019-003
 December 1, 2021 at 2:00 PM

	Bid Price	Bid Bond	Addendum 1 and 2 Acknowledgment	Signature
Weiss Construction Co., LLC 41001 Grand River Avenue 1 Novi, MI 48375	\$9,673,200.00	X	Yes	X
Christman Constructors, Inc. 324 East South Street 2 Lansing, MI 48910	\$11,199,974.00	X	Yes	X
L. D'Agostini & Sons, Inc. 15801 - 23 Mile Road 3 Macomb Twp., MI 48042	\$12,150,000.00	X	Yes	X
Ric-Man Construction, Inc. 38600 Van Dyke Ave., Suite 100 4 Sterling Heights, MI 48312	\$16,244,100.00	X	Yes	X
Oscar Renda Contracting, Inc. 1100 Kubota Drive 5 Grapevine, TX 76051	\$22,700,000.00	X	Yes	X

<u>Funding Source</u>	<u>Apportionment</u>	<u>Manager</u>	<u>Vendor</u>	<u>Amount</u>	<u>Invoice Detail</u>	<u>Project Summary</u>	<u>Project Balance</u>
8 1/2 Mile Relief	Chapter 20 State of MI – 16.04% County of Macomb – 2.25% Dept. of Roads – 2.25% Eastpointe – 54.33% St. Clair Shores – 25.13%	Astorino	Aloia & Associates, P.C.	\$ 1,320.50	Invoice #22984 - 10.1.21	9 Mile Vacation	
		Astorino	Al's Asphalt Paving Co.	\$ 8,513.00	Invoice #28221 - 11.19.21	Pave and Grade Gravel Drive	
		Astorino	Colville Electric Co., LLC	\$ 1,390.99	Invoice #210579 - 11.7.21	SCADA Cabinet Cleanout	
		Astorino	Colville Electric Co., LLC	\$ 1,342.53	Invoice #210605 - 11.29.21	Install Feed to Mini-Split for Control Room	
		Manning	County of Macomb	\$ 252,137.76	Invoice #AR211081 - 11.9.21	Personnel/Operating Expense 3rd Quarter 2021	
		Astorino	DTE Energy	\$ 548.46	Invoice #S3RRJ-8XZSM - 10.31.21	Monthly Electric - 10.1.21 - 10.31.21	
		Astorino	DTE Energy	\$ 10,860.21	Invoice #S4W69-BGN07 - 11.7.21	Monthly Electric - 10.8.21 - 11.7.21	
		Astorino	DTE Energy	\$ 553.82	Invoice #S72Z6-XTBYR - 12.1.21	Monthly Electric - 11.1.21 - 11.30.21	
		Astorino	DTN, LLC	\$ 583.88	Invoice #6025750 - 10.22.21	Storm Sentry - 11.15.21 - 2.14.22	
		Astorino	Fishbeck	\$ 30,095.42	Invoice #405716 - 11.3.21	As-Needed 9 Mile Structural/LOTO	\$ 49,252.05
		Astorino	Home Depot	\$ 659.78	Invoice #5905044 - 10.14.21	Chapaton Office Supplies	
		Astorino	KERR Pump	\$ 27,764.00	Invoice #INV210313 CM - 10.29.21	Pump Inspections - FINAL	
		Downing	Marino's Landscape	\$ 1,156.00	Invoice #16134 - 10.31.21	Lawn Care 2021	
		Astorino	Motor City Electric Technologies	\$ 540.00	Invoice #94007 - 11.2.21	Storm Pump Repairs	
		Astorino	Motor City Electric Technologies	\$ 786.17	Invoice #94048 - 12.1.21	As-Needed SCADA Maintenance	
		Astorino	Presidio	\$ 1,410.00	Invoice #6023421005842 - 11.30.21	SCADA Maintenance	\$ 2,350.00
		Astorino	PVS Nolwood Chemicals	\$ 5,856.90	Invoice #738918 - 11.5.21	Hypochlorite Solution	
		Astorino	State of MI	\$ 6,000.00	Invoice #761-10665849 - 12.1.21	NPDES Annual Permit Fee	
		Astorino	Tetra Tech, Inc.	\$ 81,949.05	Invoice #51815335 - 11.5.21	9 Mile Pump Station Design	\$ 1,197,846.02
		Astorino	Tetra Tech, Inc.	\$ 61,420.50	Invoice #51815333 - 11.5.21	In-System Storage Devices through 10.29.21	\$ 68,841.10
Astorino	Tetra Tech, Inc.	\$ 9,820.25	Invoice #51825530 - 12.1.21	In-System Storage Devices Design	\$ 59,020.85		
Astorino	Tetra Tech, Inc.	\$ 96,790.71	Invoice #51825540 - 12.1.21	9 Mile Pump Station Design	\$ 1,101,055.31		
Astorino	TREMCO/Weatherproofing Tech	\$ 2,317.50	Invoice #96452301 - 11.21.21	Roof Warranty			
Total			\$ 603,817.43				



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	11/10/21
4. SET ID		5. POST DATE
VP211115MA		9/30/21

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Aloia & Associates, P.C.	V25733	01	22984	10/1/2021	\$ 1,320.50

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	80139	CC0004	80139	WO18006	8 1/2 Mile Relief	Re: 1000-25 Sep 2021	\$ 1,320.50	GEN		
B											
C											
D											
E	21										
F											
G											

23. Total: \$ 1,320.50 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>12/7/2021</u></p> <p>33. Board Date: <u>12/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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ALOIA & ASSOCIATES, P.C.

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

Invoice submitted to:

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

<i>Invoice Date</i>	<i>Invoice Number</i>	<i>Last Bill Date</i>
October 1, 2021	22984	September 1, 2021

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

Professional Services

		<u>Hours</u>	<u>Amount</u>
9/14/2021	BJA Communications with Vince Astorino regarding Martin Building Transfer Agreement; receive and review Martin Building Transfer Agreement.	0.75	142.50
9/17/2021	JMC Begin drafting Agreement Regarding Vacation of Nine Mile; conduct property and entity research.	2.00	380.00
9/24/2021	JMC Continue drafting Agreement Regarding Vacation of Nine Mile.	2.00	380.00
9/28/2021	JMC Email from Vincent Astorino enclosing drawings; review drawings and legal description; revise Agreement Regard Vacation of Nine Mile.	1.00	190.00
	BJA Review, edit and analysis of 9 Mile vacation drawings from Vince.	0.30	57.00
9/30/2021	JMC Continue drafting Agreement Regarding Vacation of Nine Mile; email to Vincent Astorino.	0.90	171.00
	For professional services rendered	<u>6.95</u>	<u>\$1,320.50</u>
	Previous balance		\$845.50

Balance due

Amount
\$2,166.00

Current	30 Days	60 Days	90 Days	120 Days
1,320.50	845.50	0.00	0.00	0.00

Timekeeper Summary

Name	Hours	Rate	Amount
Benjamin J. Aloia	1.05	190.00	\$199.50
Jeffrey M. Candela	5.90	190.00	\$1,121.00



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 11/30/21
4. SET ID VP211201MA		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
Al's Ashpalt Paving Co	V085041	01	28221	11/19/2021	\$ 8,513.00

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	93001	CC0004	93001	WO18006	8 1/2 Mile Relief	Job #59428-2021	\$ 8,513.00	GEN		
B											
C											
D											
E	24										
F											
G											

23. Total: \$ **8,513.00**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Grade & Pave Existing Gravel Drive

25. Finance Officer: BM/mh

26. Chief Deputy: _____

27. Engineers: _____

28. Managers: _____

29. Coordinator: _____

30. Drain: 8 1/2 Mile Relief

31. Project Balance: N/A

32. Staff Date: 12/7/2021

33. Board Date: 12/13/2021

34. Select For Pay Date: _____



25500 Brest Rd.
 Taylor, MI 48180-4065
 (734) 946-1880
 Fax (734) 946-4502
 www.AlsAsphalt.com

V085041

INVOICE

Invoice Date 11-19-2021	Job No. 59428-2021	Invoice No. 28221
P.O. No.	Estimator DAVE C.	Terms Upon Receipt

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

Job Location: 23001 EAST 9 MILE ROAD
 St. Clair Shore, MI

DESCRIPTION	AMOUNT
GRADE & PAVE EXISTING GRAVEL DRIVE (APPROX 1,750 SQ FT) PER THE BASE CONTRACT.	8,513.00
	Amount Billed \$8,513.00
	AMOUNT DUE \$8,513.00

Al's asphalt paving co

("Contractor")



**Quality
Rock Solid Paving
Since 1965**

Purchaser

59428-2021

MACOMB COUNTY PUBLIC WORKS
21777 DUNHAM ROAD
CLINTON TWP, MI 48036

KRIS BENDA
586-480-9368

Fax

Job Site

5/26/2021

23001 EAST 9 MILE ROAD
ST CLAIR SHORES, MI 48080

Estimator: Dave Coppola

S _____ L 27 T 16

Re: GRADE AND PAVE EXISTING GRAVEL DRIVE

Area of new construction, approximately 1,750 Sq. Ft.

1. Area to be finish graded and rolled to compaction.
2. Area to be hot asphalt paved with 2.5 in. of 13A base asphalt and rolled to compaction.
3. Area to be sprayed with liquid asphalt SS-1H bond coating.
4. Area to be hot asphalt paved with 1.5 in. of 36A asphalt topping and rolled to compaction.
5. Debris from paving operation to be removed.

Amount \$ 8,513.00

EXCLUSIONS, unless specifically identified as included in our scope of work, the following are excluded: Permits, bonds, inspection fees, undercutting, work in the public R.O.W., handling or disposal of hidden or contaminated debris, dumpsite charges, landscape or irrigation restoration, sawcutting and removals, use of additional materials beyond stated depths, backfill of undercut areas, backfill and seeding of new curbs or walks, any work which is not specifically described in our proposal, cleaning of heavy dirt and debris, engineering, layout, testing, or winter protection of concrete. It is the responsibility of the purchaser to read and understand these conditions fully. Failure to do so will not be an acceptable excuse for non-payment of additional work.

Cost is based on 1 mobilizations. Additional mobilizations will be at additional cost.

The prices in this quote are based on current costs for fuel and materials and are subject to change daily. This quote is valid for 10 days.

ACCEPTED: The above prices, specifications and general conditions on the reverse side are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as stated above.

Please sign and return

Signature _____

Date _____

(Please review the terms and conditions on the reverse side, which are incorporated herein and form an integral part of this contract.)



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	11/8/21
4. SET ID		5. POST DATE
VP211109MA		

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	210579	11/7/2021	\$ 1,390.99

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	93002	CC0014	93002	WO18077	8 1/2 Mile Relief	Job #202110739; 10/27	\$ 1,390.99	GEN		
B											
C											
D											
E	27										
F											
G											

23. Total: \$ 1,390.99

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

As Needed SCADA

<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>11/9/2021</u></p> <p>33. Board Date: <u>12/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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Colville Electric Co., LLC

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

Invoice

DATE	11/07/2021
INVOICE #	210579
TERMS	NET 30

BILL TO
Macomb County Office of Public Works 21777 Dunham Road Clinton Township, MI, 48036

SERVICE LOCATION
Macomb County Office of Public Works 23001 Nine Mile Rd. St. Clair Shores, MI, 48080

JOB#	DATE	PO	DESCRIPTION
202110739	10/27/2021	Scada As Needed	Scada cabinet clean up. Completion Notes: 10/27/21- Added fuses for inputs in SCADA cabinet. Wired power loss relay. Identified and labeled input wiring. Began removing unnecessary wiring. 10/28/21- Finished cleaning up wiring in SCADA cabinet. Installed new wiring per modified print. Properly fused all circuits.

8 1/2 Mile SCADA AS-Needed

Description	Qty	Rate	Total
NEMA Fuse Holder	3.00	\$17.23	\$51.69
Permasleeve Label Tape	70.00	\$0.42	\$29.40
14 THHN CU Red	50.00	\$0.15	\$7.50
14 THHN CU White	20.00	\$0.17	\$3.40
10/27/2021 - Jared Hayosh			
Labor Time (7hr 40min)		\$90.00/hr	\$690.00
10/28/2021 - Jared Hayosh			
Labor Time (6hr 46min)		\$90.00/hr	\$609.00

SUB-TOTAL: \$91.99
 TIME & LABOR: \$1,299.00
 EXPENSES: \$0.00
 PMTS/DEPS: \$0.00
 TOTAL DUE: \$1,390.99

CUSTOMER MESSAGE

Invoice Total: \$1,390.99
Deposits (-): \$0.00
Payments (-): \$0.00
Total Due: \$1,390.99



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	11/30/21
4. SET ID		5. POST DATE
VP 211201MA		

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	210605	11/29/2021	\$ 1,342.53

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	8210017M	93001	CC0004	93001	WO19082	8 1/2 Mile Relief	Job #202110798; 11/29/21	\$ 1,342.53	GEN		
B											
C											
D											
E	29										
F											
G											

23. Total: \$ 1,342.53

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Install feed to mini-split for control room

<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>12/7/2021</u></p> <p>33. Board Date: <u>12/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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Colville Electric Co., LLC

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

Invoice

DATE	11/29/2021
INVOICE #	210605
TERMS	NET 30

BILL TO
Macomb County Office of Public Works 21777 Dunham Road Clinton Township, MI, 48036

SERVICE LOCATION
Macomb County Office of Public Works 23001 Nine Mile Rd. St. Clair Shores, MI, 48080

JOB#	DATE	PO	DESCRIPTION
202110798	11/23/2021		Install feed to mini-split for control room. Completion Notes: 11/23/21- located available circuit for mini split. Ran conduit and mounted disconnect 11/24/21- pulled in feeders and terminated wires for mini split and plugs circuit from panel LPA. Terminate wires for radiator valves

Description	Qty	Rate	Total
RMC 075 3/4" Rigid Conduit	20.00	\$3.50	\$70.00
RMC CB 075 3/4' RMC Malleable Iron Clamp Back	3.00	\$0.48	\$1.44
HUB 075 3/4" Meyers Hub	2.00	\$12.49	\$24.98
Handy 4 SQ X Ring Handy Box Extension, 4sq, 1-1/2'	1.00	\$7.40	\$7.40
10 THHN CU Blue 10 THHN CU Blue	100.00	\$0.52	\$52.00
10 THHN CU Green 10 THHN CU Green	100.00	\$0.52	\$52.00
10 THHN CU Red 10 THHN CU Red	100.00	\$0.52	\$52.00
12 THHN CU Black	75.00	\$0.35	\$26.25
12 THHN CU White 12 THHN CU White	75.00	\$0.35	\$26.25
4 SQ D 4' Sq Raised Single Duplex	1.00	\$3.25	\$3.25
Grounding Pigtail Grounding Pigtail, solid	1.00	\$0.71	\$0.71
BAB CH 2 pole 30a	30	1.00	\$42.60

LT 050 CN 1/2' Liquidtie Non-Metalic Conduit Connector	2.00	\$4.38	\$8.76
LT 050 1/2' Liquidtie Non-Metalic Conduit	4.00	\$1.66	\$6.64
8 conductor thermostat wire	12.00	\$0.00	\$0.00
11/23/2021 - Nolan Derington			
Labor Time (3hr 29min)		\$90.00/hr	\$313.50
11/24/2021 - Nolan Derington			
Labor Time (5hr 24min)		\$90.00/hr	\$486.00
11/24/2021 - Dave Colville			
Labor Time (1hr 15min)		\$135.00/hr	\$168.75

SUB-TOTAL: \$374.28	TIME & LABOR: \$968.25	EXPENSES: \$0.00	PMTS/DEPS: \$0.00	TOTAL DUE: \$1,342.53
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CUSTOMER MESSAGE

Invoice Total:	\$1,342.53
Deposits (-):	\$0.00
Payments (-):	\$0.00
Total Due:	\$1,342.53



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	11/4/21
4. SET ID		5. POST DATE
FSB Bill Pay 12/1/21		

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	S3RRJ-8QZSM	10/31/2021	\$ 548.46

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	92101	CC0004	92101	WO18006	8 1/2 Mile Relief	Ac#9100 0005 6739, 10/1-10/31	\$ 548.46	GEN		
B											
C											
D											
E	32										
F											
G											

23. Total: \$ 548.46

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>11/9/2021</u></p> <p>33. Board Date: <u>12/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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Payment Coupon

Account Number	910000056739
Due Date:	December 01, 2021
Total Due:	\$548.46

MACOMB COUNTY
21777 DUNHAM RD
CLINTON TWP MI 48036-1005

S3R2J-8QZSM

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
---------------------------	------------

Programs you are enrolled in:

How to contact us:

Billing Inquiry 1-734-397-4287

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 09/30/2021	955.17
Payment(s) and Credit(s)	- 955.17
Remaining Balance	\$0.00

Current Charges

Service Location	Item	Service Type	Rate	Bill Period	Amount
	7004422277	Street Lights OH Standard	EFS_E1UOHS	10/01 - 10/31/21	548.46
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$548.46

Amount Due on or before Due Date of 12/01/2021 \$548.46

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

Detail Charges

Invoice: 200233201635	Service Name: Streetlight	Cust Ref #90-M-300
Item: 7004422277	Cycle: 20	Street Lights OH Standard

Billing Status Information

Total Number of days in the Billing Period	31	DAYS
Avg Kilowatthours Used Per Day This Period	56	KWH
Avg Kilowatthours Used Per Day A Year Ago	56	KWH
kWh percentage change from a year ago	0	PCT

Charges for 10/01/2021 through 10/31/2021

Power Supply Charges:

Energy Charge:						
Power Supply Non Capacity Charge	1,726	KWH	@ \$	0.0447000	Per Total KWH	77.15
Surcharges:						
Power Supply Cost Recovery Factor	1,726	KWH	@ \$	0.0032200	Per Total KWH	5.56
Sub Total:						82.71

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	1,726	KWH	@ \$	0.0008420	Per Total KWH	1.45
Transitional Recovery Mechanism	1,726	KWH	@ \$	0.0017940	Per Total KWH	3.10
Other Delivery Surcharges						69.42
Sub Total:						465.75

Invoice Subtotal

Michigan State Sales Tax On Taxable Portion	0.00
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Invoice Total **\$548.46**





ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95337	11/15/21
4. SET ID		5. POST DATE
FSB Bill Pay 12/1/21		

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	S4W69-BGN07	11/7/2021	\$ 10,860.21

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	92101	CC0004	92101	WO18006	8 1/2 Mile Relief	Acct #9100-0005-3785, 10/8-11/7	\$ 10,860.21	GEN		
B											
C											
D											
E	36										
F											
G											

23. Total: \$ 10,860.21

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>12/7/2021</u></p> <p>33. Board Date: <u>12/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--



Payment Coupon

Account Number	910000053785
Due Date:	December 01, 2021
Total Due:	\$10,860.21

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

S4W69-B6N07

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

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

Account Information

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

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

Programs you are enrolled in:

How to contact us:

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

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

Important Information



Summary Of Charges

Account Number 9100-0005-3785

Previous Balance as of 10/12/2021	13,135.79
Payment(s) and Credit(s)	- 13,135.79
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	10/08 - 11/07/21	10,860.21
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$10,860.21

Amount Due on or before Due Date of 12/01/2021 \$10,860.21

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

Detail Charges

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

Outage Contact Number: 1-313-235-1300

Invoice: 200003322149

Billing Period: 10/08/2021 through 11/07/2021

Days Billed: 31

Metering Information

Meter Number	Start Date	Start Read	Stop Date	Stop Read	Read Difference	Units Multiplier	Usage Used	Type
10056082	10/08	104.6A	11/07	110.7A	6.1	6,400.0000	39,040.0	P - In-V
10056082	10/08	146.0A	11/07	156.1A	10.1	6,400.0000	64,640.0	P - In-W
10056085	10/08	0.0A	11/07	0.0A	0.0	6,400.0000	0.0	P - In-V
10056085	10/08	0.0A	11/07	0.0A	0.0	6,400.0000	0.0	P - In-W
10098716	10/08	0.1A	11/07	0.2A	0.1	- 6400.0000	640.0	P - Out-V
10098716	10/08	0.0A	11/07	0.0A	0.0	- 6400.0000	0.0	P - Out-W
Total KVARH							39,680.00	
Total KWH							64,640.00	

Invoice: 200003322149 Service Name: Chapaton Pumping Station

Item: 7004376662 Cycle: 05

General Service Municipal Pumping-Net Metering Cat1

Billing Status Information

1	On-peak Billing Demand	2140	KW	ESTABLISHED	10/25/2021	13:30
3	65% High OP Bill Dmd June-Oct prec 11 mths	3697	KW	ESTABLISHED	07/16/2021	15:00
8	Highest Single Billing Demand	2140	KW	ESTABLISHED	10/25/2021	13:30
A	Current PV High Monthly Demand	2140	KW	ESTABLISHED	10/25/2021	13:30
B	50% of the Contract Capacity for PV	0	KW			
C	Primary Voltage Maximum Demand	5842	KW	ESTABLISHED	08/12/2021	07:00
	Contract Capacity for Location	6738	KW			
	Power Factor (ratio) for all voltages	85	PCT			
	Total Number of days in the Billing Period	31	DAYS			
	Avg Kilowatthours Used Per Day This Period	2085	KWH			
	Avg Kilowatthours Used Per Day A Year Ago	980	KWH			
	kWh percentage change from a year ago	113	PCT			
	Metered outflow	0	KWH			
	Net Delivery Billed (inflow)	64640	KWH			
	Net Inflow (In - Out)	64640	KWH			

Charges for 10/08/2021 through 11/07/2021

Power Supply Charges:

Power Supply Energy:							
Power Supply Capacity Charge	64,640	KWH	@ \$	0.0390000	Per Total KWH	2,520.96	
Power Supply Non Capacity Charge	64,640	KWH	@ \$	0.0434500	Per Total KWH	2,808.61	
Surcharges:							
Power Supply Cost Recovery Factor	64,640	KWH	@ \$	0.0032200	Per Total KWH	208.14	
Sub Total:						5,537.71	

Delivery Charges:

Service Charge						11.25	
Distribution:							
Distribution Energy	64,640	KWH	@ \$	0.0386800	Per Total KWH	2,500.28	
Surcharges:							
Transitional Recovery Mechanism	64,640	KWH	@ \$	0.0017940	Per Total KWH	115.96	
Nuclear Surcharge	64,640	KWH	@ \$	0.0008420	Per Total KWH	54.43	
LIEAF Factor	2	MTR	@ \$	0.8700000		1.74	
Other Delivery Surcharges						138.84	
Sub Total:						2,822.50	
Special Facilities Charge						2,500.00	

Invoice Subtotal

10,860.21

Michigan State Sales Tax On Taxable Portion

0.00

Invoice Total

\$10,860.21



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	12/6/21
4. SET ID		5. POST DATE
FSB Bill Pay 1/3/22		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
DTE Energy	V01270	08	S72Z6-XTBYR	12/1/2021	\$ 553.82

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	92101	CC0004	92101	WO18006	8 1/2 Mile Relief	Ac#9100 0005 6739, 11/1-11/30	\$ 553.82	GEN		
B											
C											
D											
E	40										
F											
G											

23. Total: \$ **553.82** 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>12/7/2021</u></p> <p>33. Board Date: <u>12/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--



Payment Coupon

Account Number	910000056739
Due Date:	January 03, 2022
Total Due:	\$1,102.28

MACOMB COUNTY
21777 DUNHAM RD
CLINTON TWP MI 48036-1005

\$ 553.82
Due

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

ST226-XTBYR

MACOMB COUNTY
21777 DUNHAM RD
CLINTON TWP, MI 48036

Account Number	9100-0005-6739
----------------	----------------

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

Programs you are enrolled in:

How to contact us:

Billing Inquiry 1-734-397-4287

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 11/01/2021 548.46
Payment(s) and Credit(s) 0.00
Remaining Balance \$548.46

Current Charges

Service Location	Item	Service Type	Rate	Bill Period	Amount
	7004422277	Street Lights OH Standard	EFS_E1UOHS	11/01 - 11/30/21	553.82
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$553.82

Amount Due on or before Due Date of 01/03/2022 \$1,102.28

Your current charges are due on January 3, 2022. A 2% late payment charge will be applied if paid after the due date.

Detail Charges

Invoice: 200053302479	Service Name: Streetlight	Cust Ref #90-M-300
Item: 7004422277	Cycle: 20	Street Lights OH Standard

Billing Status Information

Total Number of days in the Billing Period	30	DAYS
Avg Kilowatthours Used Per Day This Period	61	KWH
Avg Kilowatthours Used Per Day A Year Ago	61	KWH
kWh percentage change from a year ago	0	PCT

Charges for 11/01/2021 through 11/30/2021

Power Supply Charges:

Energy Charge:						
Power Supply Non Capacity Charge	1,832	KWH	@ \$	0.0447000	Per Total KWH	81.89
Surcharges:						
Power Supply Cost Recovery Factor	1,832	KWH	@ \$	0.0032200	Per Total KWH	5.90
Sub Total:						<u>87.79</u>

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	1,832	KWH	@ \$	0.0008420	Per Total KWH	1.54
Transitional Recovery Mechanism	1,832	KWH	@ \$	0.0017940	Per Total KWH	3.29
Other Delivery Surcharges						<u>69.42</u>
Sub Total:						<u>466.03</u>

Invoice Subtotal	553.82
Michigan State Sales Tax On Taxable Portion	0.00
Invoice Total	\$553.82



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	11/2/21
4. SET ID		5. POST DATE
VP211102MUA		

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	6025750	10/22/2021	\$ 1,557.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210166M	92113	CC0018	92113	WO18300	MIDDD	Acct#0322513, 11/15-2/14	\$ 778.50	GEN		
B	8210017M	92113	CC0004	92113	WO18006	8 1/2 Mile Relief	Acct#0322513, 11/15-2/14	\$ 583.88	GEN		0
C	8210072M	92113				Martin	Acct#0322513, 11/15-2/14	\$ 116.78	GEN		0
D	8713018M	92113			WO18218	SEMCWWDS (BH)	Acct#0322513, 11/15-2/14	\$ 38.92	GEN		0
E	8713018M	92113			WO18219	SEMCWWDS (V)	Acct#0322513, 11/15-2/14	\$ 38.92	GEN		0
F											
G											

23. Total: \$ 1,557.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Storm Sentry

25. Finance Officer: <u>BM/mh</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>Multiple</u> 31. Project Balance: <u>N/A</u> 32. Staff Date: <u>11/9/2021</u> 33. Board Date: <u>12/13/2021</u> 34. Select For Pay Date: _____
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Account No.	Invoice No.	Invoice Date
0322513	6025750	22-Oct-2021

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

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

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

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.

Customer Service

Billing Customer Service:

888-826-4282, weatherbilling@dtn.com

Technical Support:

800-485-4000

Postal Correspondence:

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

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

Pay My Bill

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

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

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

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



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

#BWNCVKR
 0322513

000138 000000231

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



2

TI211022.001-275-000000231

Account No.	Invoice No.	Due Date
0322513	6025750	12-Nov-2021
	Amount Due	\$ 1,557.00
Payment enclosed		.



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

Account Status

New Invoice	Due Date	Balance	Total
6025750	12-Nov-2021	\$ 1,557.00	\$ 1,557.00
TOTAL DUE			\$ 1,557.00

New Charges

Detailed Charges

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

Service Period		
11/15/21-02/14/22	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		
11/15/21-02/14/22	WxSentry Transp Online-Std	\$ 123.00
SUBTOTAL		\$ 123.00

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

Service Period		
11/15/21-02/14/22	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.

TI211022.001-276-00000231

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

11/15/21-02/14/22 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

11/15/21-02/14/22 WxSentry Transp Online-Std \$ 153.00

SUBTOTAL \$ 153.00

Total New Charges \$ 1,557.00





Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	11/10/21
4. SET ID		5. POST DATE
VP21115MB		

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	405716	11/3/2021	\$ 30,095.42

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep Ck
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	80138	CC0004	80138	WO19005	8 1/2 Mile Relief	Pjt #190051 through 10/29/21	\$ 4,121.99	GEN		
B	8210017M	80138	CC0004	80138	WO21008	8 1/2 Mile Relief	Pjt #190051 through 10/29/21	\$ 25,973.43	GEN		0
C											
D											
E	48										
F											
G											

23. Total: \$ 30,095.42

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

As Needed Services

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>\$49,252.05</u></p> <p>32. Staff Date: <u>12/7/2021</u></p> <p>33. Board Date: <u>12/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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**MACOMB COUNTY PUBLIC WORKS OFFICE
ENGINEERING INVOICE COVER SHEET**

WORK ORDER NUMBER WO19005

PROJECT NUMBER WWS-2019-001

PROJECT NAME As-Needed General Engineering Services

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

CONSULTANT NAME Fishbeck

INVOICE DATE 11/3/2021

INVOICE START DATE 10/2/2021

INVOICE END DATE 10/29/2021

ORIGINAL CONTRACT AMOUNT	\$ 151,919.00
CHANGE ORDER TOTAL	
Change Order No. 1	\$ 75,000.00
Change Order No. 2	\$ 128,732.00
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 355,651.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 276,303.53
TOTAL AMOUNT DUE THIS INVOICE	\$ 30,095.42
TOTAL BUDGET REMAINING	\$ 49,252.05
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	

Payment Options

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

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

Invoice : 405716
Invoice Date : 11/3/2021
Project : 190051
Project Name : Macomb Co PW/8.5 As-needed
 Engineering
Bill Term : 1

For Professional Services Rendered Through 10/29/2021

WO19005

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1 - Genral As Needed	22,212.42	22,212.42	0.00	0.00	0.00
1.A - Task 1a - Chapaton Structural Study	46,910.34	0.00	46,910.34	46,910.34	0.00
1.B - Task 1b - 9 Mile Pipe Repair (WO19105)	20,816.15	0.00	20,816.15	20,816.15	0.00
1.C - Task 1c - In-System Storage As-Needed	10,185.00	55.30	10,129.70	10,129.70	0.00
1.D - Task 1d - Office Improvements	21,393.90	0.00	21,393.90	21,393.90	0.00
1.E - Task 1e - Maps	7,500.00	1,657.89	5,842.11	5,842.11	0.00
1.F - Task 1f - Chapaton Sampling Plan	4,065.60	0.00	4,065.60	4,065.60	0.00
1.G - Task 1g - Chapaton Survey	2,084.25	0.00	2,084.25	2,084.25	0.00
1.H - Task 1h - Chapaton Bar Screen Hydraulic Isolation	2,976.75	0.00	2,976.75	2,976.75	0.00
1.I - Task 1i - Chapaton Environmental Study	8,521.60	0.01	8,521.59	8,521.59	0.00
1.j - Task 1j - Chapaton Flow Meter Drawings	2,680.00	0.00	2,680.00	2,680.00	0.00
1.k - Task 1k - Chapaton High Water Protection	4,783.80	0.00	4,783.80	4,783.80	0.00
1.l - Task 1l - Chapaton 3D Animation	3,557.00	0.00	3,557.00	3,557.00	0.00
1.M - Task 1m - Chapaton Ground Penetrating Radar	4,589.00	0.00	4,589.00	4,589.00	0.00
1.N - Task 1n - Chapaton Div 01 Specs	3,428.00	0.00	3,428.00	3,428.00	0.00
1.O - Task 1o - RTB & 9EB Structural Repair	148,682.00	36,350.70	138,304.73	112,331.30	25,973.43
Expenses	25,973.43				
1.P - Task 1p - SRF 5685-01 Project Plan Amendment	22,500.00	3,999.45	18,500.55	18,500.55	0.00
1.Q - Task 1q - Chapaton Canal Expansion Analysis	3,420.49	0.00	3,420.49	3,420.49	0.00
1.R - Task 1r - 8DR Confined Space Entry/LOTO Program	10,500.00	10,227.00	4,394.99	273.00	4,121.99
Rate Labor	4,081.00				
Unit Rate Expense	40.99				

1.S - Task 1s - 8DR Route and Course	4,900.00	4,900.00	0.00	0.00	0.00
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Current Billings	<u>30,095.42</u>
Amount Due This Bill	<u>30,095.42</u>

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

Expenses

<i>Account / Vendor</i>	<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>
Subconsultant			
NTH Consultants Ltd	24,736.60	1.05	25,973.43
Total Expenses			25,973.43

1.R - Task 1r - 8DR Confined Space Entry/LOTO Program

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Production Support	0.50	70.0000	35.00
Senior Industrial Hygienist	12.00	163.0000	1,956.00
Staff Engineer	19.00	110.0000	2,090.00
Total Rate Labor			4,081.00

Unit Rate Expenses

<i>Account / Unit</i>	<i>Quantity</i>	<i>Rate</i>	<i>Amount</i>
Mileage			
Mileage - Employee Vehicle	73.20	0.5600	40.99
Total Unit Rate Expenses			40.99

Total Bill Task: 1.R - Task 1r - 8DR Confined Space Entry/LOTO Program	4,121.99
---	-----------------

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

30,095.42



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	11/5/21
4. SET ID		5. POST DATE
VP21105MA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Home Depot	V02220	25	5905044	10/14/2021	\$ 659.78

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	72603	CC0004	72603	WO19082	8 1/2 Mile Relief	6035 3225 0159 9843, 5905044	\$ 659.78	GEN		
B											
C											
D											
E	53										
F											
G											

23. Total: \$ 659.78 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>11/9/2021</u></p> <p>33. Board Date: <u>12/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--



Commercial Account



Remit payment and make checks payable to:
HOME DEPOT CREDIT SERVICES
DEPT. 32 - 2501599843
PO BOX 78047
PHOENIX, AZ 85062-8047

INVOICE DETAIL

BILL TO:
Acct: 6035 3225 0159 9843
MACOMB COUNTY PUBLIC
WORKS

Amount Due:	Trans Date:	DUE DATE:	Invoice #: 3034922 ✓
\$32.16	10/06/21	11/18/21	
PO: CHAPATON		Store: 2707, ROSEVILLE, MI	

PRODUCT	SKU #	QUANTITY	UNIT PRICE	TOTAL PRICE
UNB (100W) A19 SMT DL 4PK NDIM	10028624960000100035	1.0000 EA	\$13.78	\$13.78
ECS (60W) A19 SMT DL 4PK DIM	10013703980000100035	1.0000 PK	\$9.90	\$9.90
ECS (40W) A19 SMT DL 4PK DIM	10013703510000100035	1.0000 PK	\$8.48	\$8.48

Purchased by: TANGHE MARK
Customer #: 00035

SUBTOTAL	\$32.16
TAX	\$0.00
TOTAL	\$32.16

BILL TO:
Acct: 6035 3225 0159 9843
MACOMB COUNTY PUBLIC
WORKS

*Office Impr.
W019082*

Amount Due:	Trans Date:	DUE DATE:	Invoice #: 5905044
\$659.78	10/14/21	11/18/21	
PO: CHAPATON		Store: 2776, MACOMB TOWNSHIP, MI	

PRODUCT	SKU #	QUANTITY	UNIT PRICE	TOTAL PRICE
LIFEPROOF CHOICE OAK 20.06/SF	10022415210000100022	11.0000 CA	\$59.98	\$659.78

Purchased by: KRISTOFER BENDA
Customer #: 00034
Customer Agreement #: W875373487

SUBTOTAL	\$659.78
TAX	\$0.00
TOTAL	\$659.78

501496



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 12/1/21
4. SET ID VP211201MB		5. POST DATE

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to) KERR Pump	7. VENDOR NUMBER V18293	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) INV210313 CM	10. Invoice Date 10/29/2021	11. Invoice Amount \$ (13,882.00)
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CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	93002	CC0004	93002	WO18006	8 1/2 Mile Relief	PW000186; Pump Inspections	\$ (13,882.00)	GEN		
B											
C											
D											
E	55										
F											
G											

REV 09/2018

23. Total: \$ (13,882.00)

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Original invoice INV210313 entered for \$41,646.00. Credit (\$13,882) Net Pay \$27,764

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: 11/2/2021
28. Managers:	33. Board Date: 11/8/2021
29. Coordinator:	34. Select For Pay Date:



Invoice Date
10/29/2021

PO Number
KRIS BENDA

Invoice Number
INV210313

Bill To:

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

Ship To:

MACOMB COUNTY - PUBLIC WORKS
CHAPATON PUMP STATION
23001 9 MILE ROAD
ST CLAIR SHORES, MI 48080

PO Number	Ship Method	Salesperson	Exp Ship	Pay Terms	Customer No.	
KRIS BENDA		38	08/31/2021	N30	MACOM008	
Item	Description	Quantity	B/O	U of M	Unit Price	Extended Price
CONFIGURE FAIRBANKS MORSE	PUMP INSPECTION CHAPATON PS MACOMB CTY MI S/Ns 800282, 283 AND 284. 1 TRIP, 3 DAY PERIOD	2	0	EA	\$13,882.00	\$27,764.00
Subtotal					\$27,764.00	
Trade Disc					\$0.00	
Freight					\$0.00	
Misc					\$0.00	
Tax					\$0.00	
Total					\$27,764.00	

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

Doing Credit Memo
for (\$ 13,882.00)

Original Invoice INV 210313
entered for \$ 41,646.00.

Net Pay \$ 27,764.00

Remit To: KERR PUMP AND SUPPLY, INC Drawer 64185 Detroit, MI 48264

TEL: 248-543-3880⁵⁶ FAX: 248-543-3236



Quote Date
8/12/2021

PO Number
KRIS BENDA

Quoted By
Joe Ash
Municipal Sales
Manager

Quote Number
QTE204815

Bill To:

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

Ship To:

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

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

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

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

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

KERR PUMP AND SUPPLY 12880 Cloverdale Oak Park, MI 48237

PURCHASE ORDER NO.

PW000186

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

Vendor: **V18293**
KERR PUMP & SUPPLY

DRAWER 64185
DETROIT, MI 48264

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

Requested by: Michelle Houvener

Req. Dt: 08/13/2021

ITEMS

ITEM #	ORGKEY	OBJECT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED PRICE
0001	8200017M	93002	Pump Inspection	3.00		13,882.00	41,646.00
0002	8200017M	93002	Additional per day charge after initial three days	1.00		2,000.00	2,000.00

TOTAL \$43,646.00

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

Bruce Manning / mh
AUTHORIZED AGENT

Print Date: 08/13/2021



ONESolution
 ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

PREPARED BY	PHONE NUMBER	DATE
Houvener	95966	11/30/2021
SET ID	POST DATE	
VP211130MA	9/30/2021	

PARENT RECORD INFORMATION					
VENDOR NAME	VENDOR NUMBER	ADDR CODE	INVOICE NUMBER	INVOICE DATE	INVOICE AMOUNT
County of Macomb	V01085	06	AR211081	11/9/2021	\$ 747,021.70

CHILD RECORD DETAIL INFORMATION										
GENERAL LEDGER		JOB LEDGER		WORK ORDER NUMBER	DRAIN NAME	DESCRIPTION	AMOUNT	DIV	MISC	SEP CK
ORG KEY	OBJECT	COST CENTER	OBJECT							
8200166M	72100	CC0018	72100	WO18300	MIDDD	Personnel 3rd Quarter 2021	\$ 426,479.87	IFIN	MC1	
8200166M	99101	CC0018	99101	WO18300	MIDDD	Operating 3rd Quarter 2021	\$ 7,567.02	IFIN	MC1	
8200017M	72100	CC0004	72100	WO18006	8 1/2 Mile Relief	Personnel 3rd Quarter 2021	\$ 244,302.19	IFIN	MC1	
8200017M	99101	CC0004	99101	WO18006	8 1/2 Mile Relief	Operating 3rd Quarter 2021	\$ 7,835.57	IFIN	MC1	
8703018M	72100				SEMCWWDS	Personnel 3rd Quarter 2021	\$ 23,412.03	IFIN	MC1	
8703018M	99101				SEMCWWDS	Operating 3rd Quarter 2021	\$ 922.80	IFIN	MC1	
8200072M	72100				Martin	Personnel 3rd Quarter 2021	\$ 35,118.06	IFIN	MC1	
8200072M	99101				Martin	Operating 3rd Quarter 2021	\$ 1,384.16	IFIN	MC1	
							TOTAL: \$	747,021.70		

COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
 3rd Quarter 2021 Personnel/Operating

Finance Manager: _____	BM/mh	Drain: _____	Multiple
Chief Engineer: _____		Project Balance: _____	N/A
Engineer(s): _____		Staff Date: _____	12/7/2021
Manager(s): _____		Board Date: _____	12/13/2021
Coordinator: _____		Select for Pay Date: _____	

3rd Quarter Personnel and Operating Costs 2021

	Chapaton Personnel	Chapaton Operating	WW Personnel	WW Operating	3018 OP.	3018	0072 OP	0072	Total
Invoice Totals	229,654.34	6,576.16	\$499,657.81	\$11,133.39					\$747,021.70
Due from SECWWDS	(15,544.48)					\$15,544.48			1 thru 5
Due from Martin	(23,316.73)						\$23,316.73		1 thru 5
Due from 8.5 Mile	54,883.46		(54,883.46)						6 thru 9
Due from Martin			(10,976.69)					\$10,976.69	6 thru 9
Due from SECWWDS			(7,317.79)			\$7,317.79			6 thru 9
Due from SECWWDS	(498.38)					\$498.38			Nexgen
Due from Martin	(747.57)						\$747.57		Nexgen
Due from Martin	(77.07)						\$77.07		12 Admin
Due from SECWWDS	(51.38)					\$51.38			12 Admin
		2,764.78		(\$3,686.37)	\$368.65		\$552.94		Int. Srv. Adj.
		(120.00)		\$120.00					Int. Srv. Adj.
		(554.15)			\$554.15				Int. Srv.
		(831.22)					\$831.22		Int. Srv.
Totals	\$244,302.19	\$7,835.57	\$426,479.87	\$7,567.02	\$922.80	\$23,412.03	\$1,384.16	\$35,118.06	\$747,021.70

			Personnel	Internal Srv.
			72100	99101
0166	\$434,046.89	0166	\$426,479.87	\$7,567.02
0017	\$252,137.76	0017	\$244,302.19	\$7,835.57
3018	\$24,334.83	3018	\$23,412.03	\$922.80
0072	\$36,502.22	0072	\$35,118.06	\$1,384.16
total	\$747,021.70		\$729,312.15	\$17,709.55

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

Email Address:

Invoice Date
 11/09/2021

Invoice
 AR211081

REF DATE	DESCRIPTION	AMOUNT
11/09/2021	3RD QTR 21 CHAPOTON-PERSONNEL	229,654.34
11/09/2021	3RD QTR 21 CHAPOTON-OPERATING	6,576.16
11/09/2021	3RD QTR 21 WASTE WTR-PERSONNEL	499,657.81
11/09/2021	3RD QTR 21 WASTE WTR-OPERATING	11,133.39
	Charges	<u>747,021.70</u>
	Amount Due	<u>747,021.70</u>

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

Finance Department Contact Number:
 (586) 469-5251

Tax ID # / EIN Number:
 38-6004868

Payment Terms:
 Due Upon Receipt

Please email any questions about your account to:

Accounting@MacombGov.Org

Customer Number: DPWK BA

Please remit your payment to:

COUNTY OF MACOMB
 FINANCE DEPARTMENT
 120 NORTH MAIN STREET, 2nd FLOOR
 MOUNT CLEMENS, MI. 48043-5622

Invoice Number: AR211081

Invoice Date: 11/09/2021

Amount Due: \$747,021.70

Report: GL80DCY

Macomb County, Michigan

Budget to Actual Report - By Org Key

7/1/2021 TO 9/30/2021

Fund: 101 General Fund

Fiscal Year: 2021

Key: 10144130 Public Works - Pumping Station

Fiscal Period: 09

Key	Description	2021 Adopted Budget	2021 Final Budget	Encumbered	Actual	Variance	Pct Utilized
Revenue Accounts							
69999	MISCELLANEOUS	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Other Revenue	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	100.00 %
67719	PERSONAL SERVICES	1,206,900.00	1,206,900.00	0.00	209,379.85	-997,520.15	17.34 %
67753	INS CLAIMS-WORKERS COMP	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Reimbursements	<u>1,206,900.00</u>	<u>1,206,900.00</u>	<u>0.00</u>	<u>209,379.85</u>	<u>-997,520.15</u>	17.34 %
69905	PRIOR YR REV-FUND BALANCE	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Prior Year Revenue	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	100.00 %
	Total Revenue Accounts	<u>1,206,900.00</u>	<u>1,206,900.00</u>	<u>0.00</u>	<u>209,379.85</u>	<u>-997,520.15</u>	17.34 %
Expense Accounts							
70200	SAL & WAGE - BASE PAY	500,684.00	500,684.00	0.00	120,524.02	380,159.98	24.07 %
70201	CONTRA - BASE PAY	0.00	0.00	0.00	0.00	0.00	100.00 %
70203	SAL & WAGE-BUDGET PART TIME	48,033.00	48,033.00	0.00	10,416.46	37,616.54	21.68 %
70204	SAL & WAGE - RETRO PAY	0.00	0.00	0.00	0.00	0.00	100.00 %
70205	SAL & WAGE - COMP TIME PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70207	SAL & WAGE - COLA	0.00	0.00	0.00	0.00	0.00	100.00 %
70208	SAL & WAGE -IN LIEU OF MED	0.00	0.00	0.00	501.00	-501.00	100.00 %
70209	SAL & WAGE - TEMP/EXTRA-HIRE	0.00	0.00	0.00	0.00	0.00	100.00 %
70211	SAL & WAGE - OVERTIME	25,000.00	25,000.00	0.00	21,566.95	3,433.05	86.26 %
70212	SAL & WAGE - STANDBY PAY	13,600.00	13,600.00	0.00	1,816.36	11,783.64	13.35 %
70213	SAL & WAGE - HOLIDAY PAY	8,000.00	8,000.00	0.00	0.00	8,000.00	0.00 %
70214	SAL & WAGE - LONGEVITY	2,200.00	2,200.00	0.00	533.33	1,666.67	24.24 %
70216	SAL & WAGE - CAR ALLOWANCE	0.00	0.00	0.00	86.72	-86.72	100.00 %
70217	SAL & WAGE - ANN'L LEAV-PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70218	SAL & WAGE - SICK LEAVE-PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70221	SAL & WAGE-TRNSCRPT/CT REPORTR	0.00	0.00	0.00	0.00	0.00	100.00 %
70226	SAL & WAGE -LUMP SUM	8,670.00	8,670.00	0.00	0.00	8,670.00	0.00 %
70227	SAL & WAGE - EMP PROV VEH	0.00	0.00	0.00	0.00	0.00	100.00 %
70228	SAL & WAGE - GRP LIFE >\$50K	0.00	0.00	0.00	0.00	0.00	100.00 %
70230	SAL & WAGE - COV CRISIS PAY	0.00	0.00	0.00	0.00	0.00	100.00 %

Report: GL80DCY

Macomb County, Michigan

Budget to Actual Report - By Org Key

7/1/2021 TO 9/30/2021

Fund: 101 General Fund

Fiscal Year: 2021

Key: 10144130 Public Works - Pumping Station

Fiscal Period: 09

Key	Description	2021	2021	Encumbered	Actual	Variance	Pct Utilized
		Adopted Budget	Final Budget				
70298	SAL & WAGE - OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Salaries and Wages	606,187.00	606,187.00	0.00	155,444.84	450,742.16	25.64 %
71510	FICA - OASDI	37,585.00	37,585.00	0.00	9,637.62	27,947.38	25.64 %
71515	FICA - MEDICARE	8,790.00	8,790.00	0.00	2,253.92	6,536.08	25.64 %
71516	CONTRA-FICA/MEDICARE	0.00	0.00	0.00	0.00	0.00	100.00 %
71520	HOSPITALIZATION INSURANCE	200,886.00	185,184.00	0.00	24,459.65	160,724.35	13.20 %
71521	DENTAL INSURANCE	11,200.00	11,200.00	0.00	1,351.24	9,848.76	12.06 %
71522	BCBS - TRADITIONAL	0.00	0.00	0.00	0.00	0.00	100.00 %
71524	HEALTH ALLIANCE PLAN	0.00	0.00	0.00	0.00	0.00	100.00 %
71526	CONTRA-EMP HLTH/DENTAL/LIFE	0.00	0.00	0.00	0.00	0.00	100.00 %
71528	RETIREE DEATH BENEFIT	0.00	0.00	0.00	0.00	0.00	100.00 %
71529	RETIREE MEDICAL	68,184.00	68,184.00	0.00	16,704.00	51,480.00	24.49 %
71530	LIFE INSURANCE - BASE	770.00	770.00	0.00	40.15	729.85	5.21 %
71530	PENSION	29,307.00	29,307.00	0.00	7,332.00	21,975.00	25.01 %
71542	PENSION DEFINED CONTRIB	27,550.00	27,550.00	0.00	8,241.38	19,308.62	29.91 %
71546	CONTRA-PENS/RET MED	0.00	0.00	0.00	0.00	0.00	100.00 %
71550	DELTA DENTAL	0.00	0.00	0.00	0.00	0.00	100.00 %
71552	GOLDEN DENTAL	0.00	0.00	0.00	0.00	0.00	100.00 %
71555	SVS VISION	0.00	0.00	0.00	0.00	0.00	100.00 %
71560	WORKER'S COMPENSATION	1,212.00	1,212.00	0.00	309.14	902.86	25.50 %
71570	UNEMPLOYMENT COMPENSATION	0.00	0.00	0.00	0.00	0.00	100.00 %
71580	LONG-TERM DISABILITY	1,200.00	1,200.00	0.00	264.97	935.03	22.08 %
71590	COMPENSATED ABSENCES	14,729.00	14,729.00	0.00	3,615.43	11,113.57	24.54 %
71591	CONTRA-WCOMP/UNEMPL/OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
71592	FRINGE ADJUSTMENT	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Fringe Benefits	401,413.00	385,711.00	0.00	74,209.50	311,501.50	19.23 %
93003	REPAIRS & MAINT - VEHICLE	0.00	0.00	0.00	120.00	-120.00	100.00 %
93099	REPAIRS & MAINT - EQUIP OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
93101	EQUIP MAINT AGREEMENTS	0.00	0.00	0.00	0.00	0.00	100.00 %
96104	VEHICLE-GASOLINE	0.00	0.00	0.00	914.67	-914.67	100.00 %
	Total Operating Expenses	0.00	0.00	0.00	1,034.67	-1,034.67	100.00 %
91101	INSURANCE -LIABILITY	8,200.00	8,200.00	0.00	2,049.99	6,150.01	25.00 %

Report: GL80DCY

Macomb County, Michigan
 Budget to Actual Report - By Org Key
 7/1/2021 TO 9/30/2021

Fund: 101 General Fund
 Key: 10144130 Public Works - Pumping Station

Fiscal Year: 2021
 Fiscal Period: 09

Key	Description	2021	2021	Encumbered	Actual	Variance	Pct Utilized
		Adopted Budget	Final Budget				
91102	INSURANCE -PROPERTY	20,000.00	20,000.00	0.00	0.00	20,000.00	0.00 %
91103	INSURANCE -FLEET	2,000.00	2,000.00	0.00	2,077.00	-77.00	103.85 %
96103	INTER SERV-TELEPHONE	6,500.00	6,500.00	0.00	1,414.50	5,085.50	21.76 %
99101	INDIRECT COST ALLOCATION	162,600.00	162,600.00	0.00	0.00	162,600.00	0.00 %
Total Internal Service Costs		<u>199,300.00</u>	<u>199,300.00</u>	0.00	5,541.49	193,758.51	2.78 %
Total Expense Accounts		<u>1,206,900.00</u>	<u>1,191,198.00</u>	0.00	236,230.50	954,967.50	19.83 %

Revenue	1,206,900.00	1,206,900.00	0.00	209,379.85	-997,520.15
Expenses	1,206,900.00	1,191,198.00	0.00	236,230.50	954,967.50
Net	0.00	15,702.00	0.00	-26,850.65	-42,552.65

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	3rd Quarter
Payroll	155,444.84
Fringe	<u>74,209.50</u>
	229,654.34
Operating Expense	1,034.67
Internal Svc Cost	<u>5,541.49</u>
	6,576.16
Less: Sp Assessment Chgs	
Total	<u><u>236,230.50</u></u>

Report: GL80DCY

Macomb County, Michigan
Budget to Actual Report - By Org Key
7/1/2021 TO 9/30/2021

Fiscal Year: 2021
Fiscal Period: 09

Fund: 101 General Fund
Key: 10144150 PW-Waste Water Services Div

Table with columns: Key, Description, 2021 Adopted Budget, 2021 Final Budget, Encumbered, Actual, Variance, Pct Utilized. Rows include Revenue Accounts (69999, 67719, 69905) and Expense Accounts (70200-70298, 71510).

Report: GL80DCY

Macomb County, Michigan

Budget to Actual Report - By Org Key

7/1/2021 TO 9/30/2021

Fund: 101 General Fund

Fiscal Year: 2021

Key: 10144150 PW-Waste Water Services Div

Fiscal Period: 09

Key	Description	2021	2021	Encumbered	Actual	Variance	Pct Utilized
		Adopted	Final				
		Budget	Budget				
71515	FICA - MEDICARE	18,036.00	18,036.00	0.00	5,197.01	12,838.99	28.81 %
71516	CONTRA-FICA/MEDICARE	0.00	0.00	0.00	0.00	0.00	100.00 %
71520	HOSPITALIZATION INSURANCE	286,980.00	264,549.00	0.00	48,320.80	216,228.20	18.26 %
71521	DENTAL INSURANCE	16,000.00	16,000.00	0.00	2,975.06	13,024.94	18.59 %
71526	CONTRA-EMP HLTH/DENTAL/LIFE	0.00	0.00	0.00	0.00	0.00	100.00 %
71529	RETIREE MEDICAL	79,548.00	79,548.00	0.00	19,488.00	60,060.00	24.49 %
71530	LIFE INSURANCE - BASE	1,100.00	1,100.00	0.00	79.85	1,020.15	7.25 %
71540	PENSION	51,587.00	51,587.00	0.00	12,903.00	38,684.00	25.01 %
71542	PENSION DEFINED CONTRIB	76,889.00	76,889.00	0.00	18,646.56	58,242.44	24.25 %
71546	CONTRA-PENS/RET MED	0.00	0.00	0.00	0.00	0.00	100.00 %
71560	WORKER'S COMPENSATION	2,488.00	2,488.00	0.00	720.15	1,767.85	28.94 %
71570	UNEMPLOYMENT COMPENSATION	0.00	2,896.00	0.00	-724.00	3,620.00	-25.00 %
71580	LONG-TERM DISABILITY	2,572.00	2,572.00	0.00	648.53	1,923.47	25.21 %
71590	COMPENSATED ABSENCES	33,027.00	33,027.00	0.00	8,742.62	24,284.38	26.47 %
71991	CONTRA-WCOMP/UNEMPL/OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Fringe Benefits	645,348.00	625,813.00	0.00	139,219.50	486,593.50	22.24 %
72624	SUPPLIES - OFFICE	0.00	0.00	0.00	0.00	0.00	100.00 %
72901	POSTAGE & DELIVERY	0.00	0.00	0.00	0.00	0.00	100.00 %
92110	CELL PHONES/AIRCARDS	0.00	0.00	0.00	0.00	0.00	100.00 %
93099	REPAIRS & MAINT - EQUIP OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
96104	VEHICLE-GASOLINE	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Operating Expenses	0.00	0.00	0.00	0.00	0.00	100.00 %
91101	INSURANCE -LIABILITY	17,800.00	17,800.00	0.00	4,449.99	13,350.01	25.00 %
91103	INSURANCE -FLEET	4,500.00	4,500.00	0.00	4,986.00	-486.00	110.80 %
96103	INTER SERV-TELEPHONE	7,200.00	7,200.00	0.00	1,697.40	5,502.60	23.57 %
	Total Internal Service Costs	29,500.00	29,500.00	0.00	11,133.39	18,366.61	37.74 %
97002	NEW EQUIPMENT	0.00	0.00	0.00	0.00	0.00	100.00 %
97003	FURN & EQUIP-NON CAPITAL	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Capital Outlay	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Expense Accounts	1,918,700.00	1,899,165.00	0.00	510,791.20	1,388,373.80	26.89 %

Report: GL80DCY

Fund: 101 General Fund

Key: 10144150 PW-Waste Water Services Div

Macomb County, Michigan

Budget to Actual Report - By Org Key

7/1/2021 TO 9/30/2021

Fiscal Year: 2021

Fiscal Period: 09

<u>Key</u>	<u>Description</u>	2021 Adopted Budget	2021 Final Budget	<u>Encumbered</u>	<u>Actual</u>	<u>Variance</u>	<u>Pct Utilized</u>
	Revenue	1,918,700.00	1,918,700.00	0.00	461,515.05	-1,457,184.95	
	Expenses	1,918,700.00	1,899,165.00	0.00	510,791.20	1,388,373.80	
	Net	0.00	19,535.00	0.00	-49,276.15	-68,811.15	

3rd Quarter

Payroll 360,438.31

Fringe 139,219.50

499,657.81

Operating Expense -

Internal Svc Cost 11,133.39

Capital Outlay -

11,133.39

Total 510,791.20

67



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	11/5/21
4. SET ID		5. POST DATE
VP211105MA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Marino's Landscape	V66876	01	16134	10/31/2021	\$ 1,156.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	92900	CC0004	92900	WO18006	8 1/2 Mile Relief	Lawn Care Oct 2021	\$ 1,156.00	GEN		
B											
C											
D											
E	88										
F											
G											

23. Total: \$ 1,156.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>11/9/2021</u></p> <p>33. Board Date: <u>12/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--

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



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

PO #
 Invoice # 16134
 Invoice Date 10/31/2021

Invoice Balance 1156.00

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

Date	Description	Qty	Price	Total
10/5/2021	Lawn Maintenance	1.00	289.00	289.00
10/12/2021	Lawn Maintenance	1.00	289.00	289.00
10/19/2021	Lawn Maintenance	1.00	289.00	289.00
10/26/2021	Lawn Maintenance	1.00	289.00	289.00

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

Subtotal 1156.00
Sales Tax
Invoice Total 1156.00

Invoice Balance 1156.00

Client Name Macomb County Public Works Office
For 23001 E. 9 Mile Rd. - Chapaon 8 1/2 Mile, St Clair Shores MI 48080
Invoice # 16134
Invoice Date 10/31/2021
Invoice Balance 1156.00

Amount Enclosed

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

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

PAYMENT STUB

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

Card #	
Exp. Date	
Signature	



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 11/3/21
4. SET ID VP21105MA		5. POST DATE

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to) Motor City Electric Technologies	7. VENDOR NUMBER V17465	8. ADDR CODE 02	9. Invoice No (MAX = 16 CHARACTERS) 94007	10. Invoice Date 11/2/2021	11. Invoice Amount \$ 540.00
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CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	93002	CC0014	93002	WO18077	8 1/2 Mile Relief	Job #922501; 10/5/21	\$ 540.00	GEN		
B											
C											
D											
E	70										
F											
G											

23. Total: \$ **540.00**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Assisted with storm pump starting issues

25. Finance Officer: BM/mh

26. Chief Deputy: _____

27. Engineers: _____

28. Managers: _____

29. Coordinator: _____

30. Drain: 8 1/2 Mile Relief

31. Project Balance: N/A

32. Staff Date: 11/9/2021

33. Board Date: 12/13/2021

34. Select For Pay Date: _____



MOTOR CITY ELECTRIC TECHNOLOGIES INC.
 AUTOMATION AND CONTROLS SOLUTIONS
 9440 GRINNELL
 DETROIT, MI 48213-1151
 PHONE (313) 921-5300 FAX (313) 921-5310
 "AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

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

Customer
 PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
922501	0	001	10/5/2021	11/2/2021	94007

BRENT WELSER

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

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 10/5/2021

8 1/2 as-needed

complete electrical construction

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



Invoice Summary

Macomb County Public Works

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

Job No: 922501
Invoice No: 94007
Invoice Date: 11/2/2021

Invoice Detail

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

Invoice Detail by Field Report

10/5/2021 Chapaton Storm Pumps

Report Number: G922501-0000	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	6.00			\$540.00		\$0.00	\$0.00	\$540.00
Report Totals:	6.00			\$540.00		\$0.00	\$0.00	\$540.00

9440 GRINNELL DETROIT, MI 48213-1151



FIELD REPORT

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

FORM #

G 922501 - 00001

Job No Serial No

CUSTOMER: Macomb County Public Works

DATE: 10/5/2021

JOB NO: 922501

LOCATION OF WORK: Chapaton Storm Pumps

CUSTOMER ORDER NO:

PO NO:

PROJECT MANAGER: Maechtle, Robert

WORK PERFORMED (BE AS DESCRIPTIVE AS POSSIBLE):

Assisted with storm pump starting issues. Diagnosed vibration monitor analog scaling. Investigated proper vibration monitors. Investigated improved DC field power monitoring. Wired pump #3 DC field amp shut connection to spare Advantech IO channel. Fixed intermediate pump #4 runtime in scada by accounting for unsigned integer rollover.

LABOR

NAME	TRUCK NO.	CLASSIFICATION	STRAIGHT TIME	TIME AND ONE HALF	DOUBLE TIME	SHIFT	COMMENTS
1 Darin Gilbert		Engineer	6.00	0.00	0.00	1	
TOTAL HOURS			6.00	0.00	0.00		

EQUIPMENT

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

MATERIALS

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

MATERIAL TOTAL \$0.00

BY:

BY: _____

(SUPERVISOR SIGNATURE AND DATE)

(AUTHORIZED SIGNATURE AND DATE)

Darin Gilbert
(PRINT NAME)

Brent Welser
(PRINT NAME)

922501- 00001



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	12/3/21
4. SET ID		5. POST DATE
VP211201MA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Motor City Electric Technologies	V17465	02	94048	12/1/2021	\$ 786.17

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	93002	CC0014	93002	WO18077	8 1/2 Mile Relief	Job #922501; 10/27/21	\$ 786.17	GEN		
B											
C											
D											
E	75										
F											
G											

23. Total: \$ 786.17

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Worked with electrician to clean up panel wiring, separate field power to individual fuses, add power fallover relay, remove boiler circulating pump control, update level sensor scaling.

<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>12/7/2021</u></p> <p>33. Board Date: <u>12/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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MOTOR CITY ELECTRIC TECHNOLOGIES INC.

AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

PHONE (313) 921-5300 FAX (313) 921-5310

"AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

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

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
922501	0	001	10/27/2021	12/1/2021	94048

BRENT WELSER

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&M SERVICES	\$786.17	-	\$786.17	\$786.17	-	-
Totals:		\$786.17		\$786.17	\$786.17		
Less Retained:				-			
Invoice Total:				\$786.17			

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AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 10/27/2021

8 1/2 Mile As-Needed SCADA

complete electrical construction

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



Invoice Summary

Macomb County Public Works

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

Job No: 922501
Invoice No: 94048
Invoice Date: 12/1/2021

Invoice Detail

INVOICE DETAIL	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	INVOICE TOTAL
Labor	9.00			\$778.00		\$0.00	\$0.00	\$778.00
Material				\$7.10	\$0.00	\$1.07	\$1.07	\$8.17
Invoice Totals:	9.00			\$785.10		\$1.07	\$0.00	\$786.17

Invoice Detail by Field Report

10/27/2021 Chapaton West

Report Number: G922501-0000	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	9.00			\$778.00		\$0.00	\$0.00	\$778.00
Material				\$7.10	\$0.00	\$1.07	\$0.00	\$8.17
Report Totals:	9.00			\$785.10		\$1.07	\$0.00	\$786.17

9440 GRINNELL DETROIT, MI 48213-1151



FIELD REPORT

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

FORM #

G 922501 - 00005

Job No Serial No

CUSTOMER: Macomb County Public Works

DATE: 10/27/2021

JOB NO: 922501

LOCATION OF WORK: Chapaton West

CUSTOMER ORDER NO:

PO NO:

PROJECT MANAGER: Maechtle, Robert

WORK PERFORMED (BE AS DESCRIPTIVE AS POSSIBLE):

Worked with electrician to clean up panel wiring, separate field power to individual fuses, add power failover relay, remove boiler circulating pump control, update level sensor scaling.

LABOR

NAME	TRUCK NO.	CLASSIFICATION	STRAIGHT TIME	TIME AND ONE HALF	DOUBLE TIME	SHIFT	COMMENTS
1 Darin Gilbert		Engineer	8.00	0.00	0.00	1	
2 John Bartas		Wireman	1.00	0.00	0.00	1	
TOTAL HOURS			9.00	0.00	0.00		

EQUIPMENT

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

MATERIALS

QTY	DESCRIPTION	PRICE	PER	EXTENSION
10	AB 1492-N12 FUSE PULLER	\$0.00		\$0.00

MATERIAL TOTAL \$0.00

BY:

BY: _____

(SUPERVISOR SIGNATURE AND DATE)

(AUTHORIZED SIGNATURE AND DATE)

Darin Gilbert

Brent Welser

(PRINT NAME)

(PRINT NAME)

922501-00005



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	12/3/21
4. SET ID		5. POST DATE
VP211201MA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Presidio	V56026	03	6023421005842	11/30/2021	\$ 3,760.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210166M	80126	CC0014	80126	WO20033	MIDDD	Order #3001222105086	\$ 1,616.80	GEN		
B	8210166M	80126	CC0014	80126	WO20033	MIDDD (OMID)	Order #3001222105086	\$ 263.20	GEN		0
C	8210017M	80126	CC0014	80126	WO20033	8 1/2 Mile Relief	Order #3001222105086	\$ 1,410.00	GEN		0
D	8210072M	80126	CC0014	80126	WO20033	Martin	Order #3001222105086	\$ 282.00	GEN		0
E	813018M	80126	CC0014	80126	WO20033	SEMCWWS	Order #3001222105086	\$ 188.00	GEN		0
F											
G											

23. Total: \$ 3,760.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>Multiple</u></p> <p>31. Project Balance: <u>\$2,350.00</u></p> <p>32. Staff Date: <u>12/7/2021</u></p> <p>33. Board Date: <u>12/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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Presidio Networked Solutions Group, LLC
 EIN: 76-0515249, DUNS: 15-405-0959
 For questions on this invoice please call:
 Susan Lambert
 (p) +1.301.313.2038, (f)
 slambert@presidio.com

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

INVOICE: 6023421005842

DATE: 11/30/2021

PAGE: 1 of 1

W020033

BILL TO: Macomb County
 Accounts Payable
 21777 Dunham Road
 Clinton Township, MI 48036

WORK LOCATION: Macomb County
 Jennifer Laymon
 120 North Main Street
 Mount Clemens, MI 48043

Customer #: MACOM007
Account Manager: Scott Sutherland
Payment Terms: NET30
Title: MACOM007 SCADA Block Time (3001222105086) [TM]
Comments: 3001222105086

Customer PO#:
Order #: 3001222105086
Quote #: 2003521058385-01

Services

Resource	Task	Rate	Hours	OT Rate	OT Hours	Amount
Shane D King	Security Engineer	\$235.00	4.50	\$235.00	0.00	\$1,057.50
Shane D King	Security Engineer	\$235.00	3.50	\$235.00	0.00	\$822.50
Shane D King	Security Engineer	\$235.00	6.50	\$235.00	0.00	\$1,527.50
Shane D King	Security Engineer	\$235.00	1.50	\$235.00	0.00	\$352.50

Total: \$3,760.00

Subtotal:	\$3,760.00
MICHIGAN, STATE OF Taxes	\$0.00
Amount Due:	\$3,760.00

(C0014)

Invoice Details

Invoice Information

Invoice number:	6023421005842	Invoice Date:	11/30/2021
Customer:	Macomb County	Engagement:	MACOM007 SCADA Block Time (3001222105086) [TM]
Invoice Status:	Committed	Invoice currency:	USD

Time

Date	Resource	Project	Task	Description	Regular Hours	Regular hours written off/up	Rate	OT Hours	OT hours written off/up	OT Rate	Amount written off/up	Time Total
10/27/2021	Shane D King	MACOM007 SCADA Block Time (3001222105086) [TM]	Security Engineer	Dynamic Routing Cleanup and Network Support with Brent	4.50	0.000	235.0000	0.00	0.000	235.00	0.00	1057.5000
11/03/2021	Shane D King	MACOM007 SCADA Block Time (3001222105086) [TM]	Security Engineer	Network discovery and documentation for Macomb County	1.50	0.000	235.0000	0.00	0.000	235.00	0.00	352.5000
11/04/2021	Shane D King	MACOM007 SCADA Block Time (3001222105086) [TM]	Security Engineer	Network configuration, review, and documentation with Brent.	6.50	0.000	235.0000	0.00	0.000	235.00	0.00	1527.5000
11/12/2021	Shane D King	MACOM007 SCADA Block Time (3001222105086) [TM]	Security Engineer	Working Session with Brent from Macomb County for documentation and network configuration cleanup.	3.50	0.000	235.0000	0.00	0.000	235.00	0.00	822.5000
Total:					16.00	0.000		0.00	0.000		0.00	3760.0000
Time Total:					16.00	0.000		0.00	0.000		0.00	3760.0000



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 11/10/21
4. SET ID VP21111SMUA		5. POST DATE

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
PVS Nolwood Chemicals	V65311	01	738918	11/5/2021	\$ 5,856.90

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	72650	CC0004	72650	WO18006	8 1/2 Mile Relief	Acct #57769; 738918	\$ 5,856.90	GEN		
B											
C											
D											
E	83										
F											
G											

23. Total: \$ **5,856.90** 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>12/7/2021</u></p> <p>33. Board Date: <u>12/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--



PVS Nolwood Chemicals, Inc.

10900 Harper Avenue, Detroit, MI 48213

Telephone: 313-925-0300 Fax: 313-571-2225

michelle.houvener@macombgov.org

Sold To: Macomb County Public Works

57769 21777 Dumham
Clinton Twp, MI 48036

Ship To: Chapaton Retention Basin

57770 23001 Nine Mile Rd.
St. Clair Shores, MI 48089

INVOICE
No. 738918

Ship ID: 778640	Load ID: 730852-1	Payment Terms:	Net 30 Days
Sales Order:	730852	Freight Type:	Delivered
Customer PO:	verbal kris	Ship Via:	pvsnw bulk
Invoice / Ship Date:	11/5/2021	Originating Warehouse:	HUBW

SO Line	Quantity Ordered	Ord UOM	Qty to Follow	Product Description	Quantity Shipped	Quantity Invoiced	Inv UOM	Unit Price	Total
1	4,000.00	GA	791.77	PVS N Sodium Hypochlorite 12.5% Bulk	39,600.00	3,921.59130	GA	1.46800	5,756.90
2	1.00	EA	1.00	Fuel Surcharge Bulk	1.00	1.00000	EA	100.00000	100.00

Please Pay This Amount

\$5,856.90

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

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



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	12/3/21
4. SET ID		5. POST DATE
VP211201MA		

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
State of MI	V04719	DA	761-10665849	12-1-21	\$ 6,000.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	96901	CC0004	96901	WO18006	8 1/2 Mile Relief	NPDES Annual Permit Fee	\$ 6,000.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 6,000.00 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

NPDES Annual Permit Fee

<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>12/7/2021</u></p> <p>33. Board Date: <u>12/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
 Water Resources Division
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

INVOICE

Issued under authority of Public Act 451 of 1994, as amended.
 Federal ID #38-6000134

CHAPATON RETENTION TREATMENT BASIN
 BRENT AVERY
 23001 EAST NINE MILE ROAD
 SAINT CLAIR SHORES, MI 48080
 US

Invoice Number:	761-10665849
Customer Id:	182955
Invoice Date:	December 01, 2021
Notice Date:	November 23, 2021
Total Due:	\$6,000.00

CHAPATON RTB
 23001 EAST NINE MILE ROAD
 SAINT CLAIR SHORES, MI 48080

FAILURE TO SUBMIT PAYMENT BY THE DATE DUE WILL RESULT IN PENALTIES AS PRESCRIBED BY LAW.

Account No.:
MI0025585

Invoice Item	Qty	Unit Cost	Sales Tax	Total Cost
NPDES Annual Permit Fee, 2022 MI0025585, Chapaton RTB	1.00	\$6,000.000	\$0.00	\$6,000.00

PAY ONLINE at <https://miwaters.deq.state.mi.us>
 Using your MiWaters account, select Financials from the side panel to make a payment.

Total Invoice: **\$6,000.00**
Payment Due: January 15, 2022

For questions please contact (517) 898-4136, or GUTTINGK1@MICHIGAN.GOV

REMIT PAYMENT TO: **STATE OF MICHIGAN**
 TO ENSURE PROPER CREDIT, SEND THIS PORTION WITH PAYMENT TO:
EGLE - NP1
CASHIERS OFFICE
PO BOX 30657
LANSING, MI 48909-8157

Account No.:
MI0025585

INVOICE NUMBER
761-10665849
WRD NP1

(Please note or make any address corrections below.)

CHAPATON RETENTION TREATMENT BASIN
 BRENT AVERY
 23001 EAST NINE MILE ROAD
 SAINT CLAIR SHORES, MI 48080
 US



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	11/8/21
4. SET ID		5. POST DATE
VP21109MA		

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	51815335	11/5/2021	\$ 81,949.05

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	80138	CC0034	80138	WO21018	8 1/2 Mile Relief	Pjt #200-16347-21002 thru 11/5/21	\$ 81,949.05	GEN		
B											
C											
D											
E	87										
F											
G											

23. Total: \$ 81,949.05

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>\$1,197,846.02</u></p> <p>32. Staff Date: <u>11/9/2021</u></p> <p>33. Board Date: <u>12/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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**MACOMB COUNTY PUBLIC WORKS OFFICE
ENGINEERING INVOICE COVER SHEET**

WORK ORDER NUMBER

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

PROJECT NAME 9 MILE PUMP STATION DESIGN

DRAINAGE DISTRICT 8 1/2 Mile Drainage District

CONSULTANT NAME Tetra Tech of Michigan

INVOICE DATE 11/5/2021 (INVOICE 51815335)

INVOICE START DATE 10/1/2021

INVOICE END DATE 10/29/2021

ORIGINAL CONTRACT AMOUNT	\$ 1,476,428.00
CHANGE ORDER TOTAL	\$ -
Change Order No. 1	
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 1,476,428.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 196,632.93
TOTAL AMOUNT DUE THIS INVOICE	\$ 81,949.05
TOTAL BUDGET REMAINING	\$ 1,197,846.02
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



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

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

INVOICE NUMBER: 51815335
INVOICE DATE: 11/05/2021
SERVICES THROUGH: 10/29/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Client Contact: Vincent Astorino

PROFESSIONAL SERVICES:

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

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$791.70
TOTAL SUBCONTRACTOR CHARGES		\$791.70
SUBTOTAL		\$791.70
Total Top Task# 001F		\$791.70

Top Task 002F **Topographic Survey FTCH**

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$4,171.65
TOTAL SUBCONTRACTOR CHARGES		\$4,171.65
SUBTOTAL		\$4,171.65
Total Top Task# 002F		\$4,171.65

Top Task 003 **Basis of Design**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Hernandez Davila, Albert D.	Engineer 1	23.00	\$150.00	\$3,450.00
Kaliman, Roger G.	Sr Engineer 1	44.50	\$195.00	\$8,677.50
Lortz, Thomas J.	CAD Designer	12.00	\$95.00	\$1,140.00
Rubel, Brian M.	Program Manager	10.00	\$250.00	\$2,500.00
Voss, Justin D.	Project Engineer 1	2.00	\$195.00	\$390.00
Whitehead, Benjamin C.	Sr Engineer 1	3.50	\$195.00	\$682.50
TOTAL LABOR		95.00		\$16,840.00
SUBTOTAL				\$16,840.00
Total Top Task# 003				\$16,840.00

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

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FK ENGINEERING ASSOCIATES	Subcontractor-External	\$14,269.50
TOTAL SUBCONTRACTOR CHARGES		\$14,269.50

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

INVOICE NUMBER: 51815335
INVOICE DATE: 11/05/2021
SERVICES THROUGH: 10/29/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

SUBTOTAL **\$14,269.50**

Total Top Task# 003E **\$14,269.50**

Top Task 003F Basis of Design FTCH

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$7,238.70
TOTAL SUBCONTRACTOR CHARGES		\$7,238.70
SUBTOTAL		\$7,238.70

Total Top Task# 003F **\$7,238.70**

Top Task 004 Design 30%

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Bauer, Celeste E.	Engineer 2	5.00	\$155.00	\$775.00
Biagi, James Q.	Project Manager 2	2.00	\$195.00	\$390.00
Boehmke, Brett	Engineer 3	16.25	\$150.00	\$2,437.50
D'Isabella, Linda A.	Architect	27.50	\$150.00	\$4,125.00
Dombrowski, Theodore	Project Engineer 2	15.00	\$180.00	\$2,700.00
Horney, David	Sr Scientist 2	12.00	\$125.00	\$1,500.00
Lortz, Thomas J.	CAD Designer	25.00	\$95.00	\$2,375.00
Maurer, Timothy L.	Project Engineer 1	0.50	\$180.00	\$90.00
Melling, Vickie L.	CAD Technician 3	18.00	\$95.00	\$1,710.00
Paison, William A.	Sr Engineer 1	33.00	\$225.00	\$7,425.00
Sissoko, Moussa D.	Project Engineer 2	28.25	\$180.00	\$5,085.00
Snable, Madison T.	Engineering Technician	2.00	\$95.00	\$190.00
Tervo, Jeffrey A.	CAD Technician 2	44.00	\$95.00	\$4,180.00
Whitehead, Benjamin C.	Sr Engineer 1	1.00	\$195.00	\$195.00
Yanakiev, Rositsa S.	Architectural Designer 3	39.00	\$140.00	\$5,460.00
TOTAL LABOR		268.50		\$38,637.50
SUBTOTAL				\$38,637.50

Total Top Task# 004 **\$38,637.50**

Total Project# 200-16347-21002 **\$81,949.05**

TOTAL AMOUNT DUE THIS INVOICE: **\$81,949.05**

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

INVOICE NUMBER: 51815335
INVOICE DATE: 11/05/2021
SERVICES THROUGH: 10/29/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Gross Contract Summary	
Contract Amount	\$1,476,428.00
Previously Billed	\$196,632.93
Current Billing	\$81,949.05
Total Billed to Date	\$278,581.98
Contract Balance Remaining	\$1,197,846.02

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.

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: 404845
Invoice Date: 10/6/2021
Project: 210764
Project Name: Macomb Co PW/9 Mile Pump Station
Bill Term: 1

For Professional Services Rendered Through 10/1/2021

P.C. 1181485: X

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1 - Infrastructure Survey - 3D Scan	44,000.00	851.00	43,903.00	43,149.00	(5) 754.00.0011
Rate Labor	754.00				
2 - Task 2 - Topographical & Boundary Survey	53,000.00	35,984.45	20,988.55	17,015.55	(6) 3,973.00.0021
Rate Labor	3,973.00				
3 - Task 3 - Basis of Design	29,500.00	26,909.00	9,485.00	2,591.00	(2) 6,894.00.0031
Rate Labor	6,894.00				
4 - Task 4 - 30% Design	49,500.00	49,500.00	0.00	0.00	0.00
5 - Task 5 - CMaR Bidding	0.00	0.00	0.00	0.00	0.00
6 - Task 6 - Final Design	0.00	0.00	0.00	0.00	0.00
				Current Billings	11,621.00
				Amount Due This Bill	11,621.00

OK to pay when paid

B Rubel

10/7/21

#A 103976

200-16347-21002-XXX

SUB-EXT

200 1EW AA



PW

1 - Task 1 - Infrastructure Survey - 3D Scan

Rate Labor

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Senior Technician	6.50	116.0000	754.00
Total Rate Labor			754.00

2 - Task 2 - Topographical & Boundary Survey

Rate Labor

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Senior Engineer	7.00	145.0000	1,015.00
	7.00	184.0000	1,288.00
Total Senior Engineer	14.00		2,303.00
Senior Surveyor	10.00	167.0000	1,670.00
Total Rate Labor			3,973.00

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

3,973.00

3 - Task 3 - Basis of Design

Rate Labor

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Senior Engineer	13.50	184.0000	2,484.00
	11.00	187.0000	2,057.00
Total Senior Engineer	30.50		5,753.00
Senior Engineering Specialist	1.00	155.0000	155.00
Senior Technician	8.50	116.0000	986.00
Total Rate Labor			6,894.00

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

6,894.00

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

11,621.00



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

INVOICE

Tetra Tech

1005 River Street, Suite 1
 Port Huron, MI 48079

P.O. 1181484:2

Invoice Date: 10/11/21
 Total Amount: \$13,590.00
 Number: 21-078-002
 Invoice Period: 08/15/21 - 10/02/21
 PO Number: Project #200-16347-21002
 Project Code: 21-078
 Project: Macomb Nine Mile Pump Station

INVOICE SUMMARY

Description	Total Budget	Remaining Budget (\$)	Prior Billing (\$)	This Invoice (\$)
Basis of Design				\$13,590.00
30% Design			--	--
Final Design			--	--
BUDGET TOTALS	\$115,000.00	\$99,460.00	\$1,950.00	\$13,590.00
TOTAL AMOUNT DUE				\$13,590.00

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

*OK to pay when paid
 B. Rubel
 10/13/21*

*# 184671
 200-16347-21002.003E
 sub-EXT
 200 LEW AA*



DWP



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	11/8/21
4. SET ID		5. POST DATE
VP211109MA		

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	51815333	11/5/2021	\$ 61,420.50

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	8210017C	80138	CC0033	80138	WO19004	8 1/2 Mile Relief	Pjt #200-16347-19001 thru 10/29/21	\$ 61,420.50	GEN		
B											
C											
D											
E	95										
F											
G											

23. Total: \$ 61,420.50

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

In-System Storage Devices - MEDC GRANT BALANCE \$311,933.73

<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>\$68,841.10</u></p> <p>32. Staff Date: <u>11/9/2021</u></p> <p>33. Board Date: <u>12/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--

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
51672316	TETRA TECH	12/3/20	\$102,559.50
51682605	TETRA TECH	12/30/20	\$91,669.80
51658188	TETRA TECH	10/30/20	\$54,718.75
51695239	TETRA TECH	1/22/21	\$99,504.25
51704530	TETRA TECH	2/25/21	\$46,888.12
51718257	TETRA TECH	4/2/21	\$29,242.09
51729686	TETRA TECH	5/3/21	\$12,987.78
51743359	TETRA TECH	6/3/21	\$14,581.80
51754637	TETRA TECH	6/30/21	\$23,065.00
51768485	TETRA TECH	7/23/21	\$31,306.00
51780476	TETRA TECH	9/3/21	\$34,029.50
51799421	TETRA TECH	10/6/21	\$51,072.91
51815333	TETRA TECH	11/5/21	\$61,420.50

FISHBECK			
403289	FISHBECK	8/11/21	\$10,129.70

Wade Trim Invoiced To Date	\$1,247,605.67
Jacobs Invoiced To Date	\$68,639.00
Tetra Tech Invoiced To Date	\$1,361,691.90
Fishbeck Invoiced to Date	\$10,129.70

Balance of \$3M State Grant Remaining: \$311,933.73

Wade Pjt Balance	\$140,268.33
JACOBS PJT Balance	\$0.00
Tetra Tech Pjt Balance	\$68,841.10

Fishbeck

**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 11/5/2021 (INVOICE 51815333)

INVOICE START DATE 10/1/2021

INVOICE END DATE 10/29/2021

ORIGINAL CONTRACT AMOUNT	\$ 481,098.00
CHANGE ORDER TOTAL	
Change Order No. 1	\$ 949,435.00
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 1,430,533.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 1,300,271.40
TOTAL AMOUNT DUE THIS INVOICE	\$ 61,420.50
TOTAL BUDGET REMAINING	\$ 68,841.10
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



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

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

INVOICE NUMBER: 51815333
INVOICE DATE: 11/05/2021
SERVICES THROUGH: 10/29/2021
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
Voss, Justin D.		Project Engineer 1	6.00	\$155.00	\$930.00
TOTAL LABOR			6.00		\$930.00
			SUBTOTAL		\$930.00
			Total Top Task# 01D		\$930.00
Top Task	01DS	Basis of Design Subcontractors			
SUBCONTRACTOR		TYPE			CURRENT AMOUNT
FK ENGINEERING ASSOCIATES		Subcontractor-External			\$1,471.00
TOTAL SUBCONTRACTOR CHARGES					\$1,471.00
				SUBTOTAL	\$1,471.00
			Total Top Task# 01DS		\$1,471.00
Top Task	02A	Project Management / Design			
EMPLOYEE		TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Rubel, Brian M.		Program Manager	12.00	\$225.00	\$2,700.00
TOTAL LABOR			12.00		\$2,700.00
				SUBTOTAL	\$2,700.00
			Total Top Task# 02A		\$2,700.00
Top Task	02B	Design			
EMPLOYEE		TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Biagi, James Q.		Project Manager 2	2.00	\$225.00	\$450.00
Boehmke, Brett		Engineer 3	9.00	\$115.00	\$1,035.00
D'Isabella, Linda A.		Architect	34.00	\$150.00	\$5,100.00
Graf, Mitchell J.		Project Manager 2	0.50	\$200.00	\$100.00
Hausz, Emma C.		Architectural Technician	7.00	\$95.00	\$665.00
Hernandez Davila, Albert D.		Engineer 1	4.00	\$105.00	\$420.00

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

INVOICE NUMBER: 51815333
INVOICE DATE: 11/05/2021
SERVICES THROUGH: 10/29/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Johnston, Jeffrey	Engineer 2	1.50	\$115.00	\$172.50
Kaliman, Roger G.	Sr Engineer 1	87.00	\$180.00	\$15,660.00
Lortz, Thomas J.	CAD Designer	33.00	\$140.00	\$4,620.00
Markstrom, Gary J.	Sr Project Manager	4.00	\$225.00	\$900.00
Melling, Vickie L.	CAD Technician 3	3.00	\$80.00	\$240.00
Paison, William A.	Sr Engineer 1	6.00	\$215.00	\$1,290.00
Rojas, Jeremias D.	CAD Designer	12.00	\$90.00	\$1,080.00
Sissoko, Moussa D.	Project Engineer 2	23.50	\$200.00	\$4,700.00
Tervo, Jeffrey A.	CAD Technician 2	4.00	\$140.00	\$560.00
Weston, Cynthia A.	Project Administrator	17.50	\$90.00	\$1,575.00
Yanakiev, Rositsa S.	Architectural Designer 3	22.00	\$115.00	\$2,530.00
TOTAL LABOR		270.00		\$41,097.50
		SUBTOTAL		\$41,097.50

Total Top Task# 02B \$41,097.50

Top Task 02BS_ECT Design - Subcontractor ECT

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
ENVIRONMENTAL CONSULTING &	Subcontractor-External	\$1,072.50
TOTAL SUBCONTRACTOR CHARGES		\$1,072.50
	SUBTOTAL	\$1,072.50

Total Top Task# 02BS_ECT \$1,072.50

Top Task 02BS_FTCH Design - Subcontractor FTCH

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$12,724.50
TOTAL SUBCONTRACTOR CHARGES		\$12,724.50
	SUBTOTAL	\$12,724.50

Total Top Task# 02BS_FTCH \$12,724.50

Top Task 02B_TCI Design

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
D'Isabella, Linda A.	Architect	9.50	\$150.00	\$1,425.00
TOTAL LABOR		9.50		\$1,425.00
		SUBTOTAL		\$1,425.00

Total Top Task# 02B_TCI \$1,425.00

Total Project# 200-16347-19001 \$61,420.50

TOTAL AMOUNT DUE THIS INVOICE: \$61,420.50

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

INVOICE NUMBER: 51815333
INVOICE DATE: 11/05/2021
SERVICES THROUGH: 10/29/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Gross Contract Summary	
Contract Amount	\$1,430,533.00
Previously Billed	\$1,300,271.40
Current Billing	\$61,420.50
Total Billed to Date	\$1,361,691.90
Contract Balance Remaining	\$68,841.10

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



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

INVOICE

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

Invoice Date: 10/11/21
 Total Amount: \$1,471.00
 Number: 19-102-016
 Invoice Period: 08/15/21 - 10/09/21
PO Number: 1166826:3
 Project Code: 19-102
 Project: Macomb In-Line Storage

INVOICE DETAILS

Source	Date	Code	Description	Hrs / Qnt	Rate	Amount
Professional Fees						
Margaret O'Reilly	08/31/21	09-Administrative Assistant	Revise, finalize, and send invoice	0.50	\$55.00	\$27.50
			Task 1 - Study Phase	0.50		\$27.50
Margaret O'Reilly	08/19/21	09-Administrative Assistant	draft invoice	0.25	\$55.00	\$13.75
Nicholas Kacynski	08/20/21	04-Project Engineer/Geologist		0.75	\$112.00	\$84.00
Nicholas Kacynski	09/23/21	04-Project Engineer/Geologist	100 % Drawings	4.00	\$112.00	\$448.00
Zachary Carr	09/27/21	02-Principal Engineer/Officer	DRawing review	1.00	\$145.00	\$145.00
Nicholas Kacynski	09/30/21	04-Project Engineer/Geologist		3.00	\$112.00	\$336.00
Nicholas Kacynski	10/01/21	04-Project Engineer/Geologist		3.00	\$112.00	\$336.00
Zachary Carr	10/08/21	02-Principal Engineer/Officer	emails on final drawings	0.50	\$145.00	\$72.50
			Task 2 - Design Phase	12.50		\$1,435.25
			Professional Fees	13.00		\$1,462.75
Reimbursable Expenses						
Zachary Carr	10/07/21	PR - Car Mileage	Mileage over normal commute to perform site visit	15.00	\$0.55	\$8.25
			Task 2 - Design Phase	--		\$8.25
			Reimbursable Expenses	--		\$8.25
			TOTAL FEES/EXPENSES	--		\$1,471.00

OK to pay when paid
 B. Rubel
 10/19/21

184671
 200-16347-19001. OIDS
 SUB. EXT
 200 (EW) AA



Handwritten initials



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: 10/11/21
 Total Amount: \$1,471.00
 Number: 19-102-016
 Invoice Period: 08/15/21 - 10/09/21
 PO Number:
 Project Code: 19-102
 Project: Macomb In-Line Storage

INVOICE SUMMARY

Description	Total Budget	Remaining Budget (\$)	Prior Billing (\$)	This Invoice (\$)
Task 1 - Study Phase				\$27.50
Task 2 - Design Phase				\$1,435.25
Task 2 - Design Phase Expenses				\$8.25
BUDGET TOTALS	\$91,000.00	\$1,791.88	\$87,737.12	\$1,471.00
TOTAL AMOUNT DUE				\$1,471.00

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

HA



Environmental Consulting & Technology, Inc.

7027 SW 24th Avenue | Gainesville, FL 32607
352.332.0444

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

Invoice # : 214892
Invoice Date : 10/25/2021
Project : 190509
Project Name : MACOMB IN-SYS STRGE DEVICE-L
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: 10/1/2021
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	40,717.50	42.50	95.35	40,760.00
0300 -- BEACONFIELD CONSTR DRAWINGS	7,775.00	6,745.00	1,990.00	100.00	7,775.00
Total Fee:	73,593.00				

Total Fee Earned To Date	54,370.00
Less Previous Billings	53,297.50
Amount Due this Invoice	1,072.50

P.O. 1166619:2

Project Manager : PATRICK J. JUDD
Billings : 000596

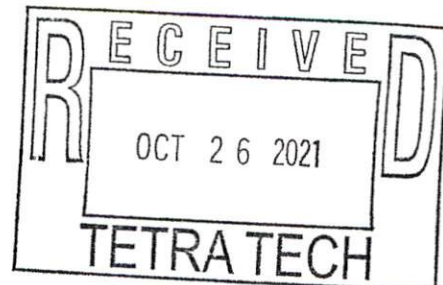
OK to pay when paid
B. Rubel
10/25/21

129566

200-16347-19001.02BS-ECT

SUB-EXT

200 NEW AA



DWD



Engineers | Architects | Scientists | Constructors

Payment Options

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

ACH

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

Invoice: 404836
Invoice Date: 10/6/2021
Project: 200732
Project Name: Macomb Co PW/In-system Storage
Design Phase
Bill Term: 1

For Professional Services Rendered Through 10/1/2021

P-0. 1166522:5

	Fee	Available	To Date	Previous	Current
1 - Task 1C - 8.5 Mile Utility Survey	96,524.00	18,395.70	90,852.80	78,128.30	12,724.50
Rate Labor		12,724.50			

Current Billings	12,724.50
Amount Due This Bill	12,724.50

103976

200 - 16347 - 19001. 02BS - FICH

SUB - EXT

200 NEW AA

OK to pay when paid

B. Rubel

10/8/21



ACH

1 - Task 1C - 8.5 Mile Utility Survey

Rate Labor			
<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Senior Engineer	45.00	130.0000	5,850.00
	1.50	175.0000	262.50
Total Senior Engineer	----- 46.50		----- 6,112.50
Senior Technician	57.00	116.0000	6,612.00
		Total Rate Labor	12,724.50
Total Bill Task: 1 - Task 1C - 8.5 Mile Utility Survey			12,724.50

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

12,724.50



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	12/1/21
4. SET ID		5. POST DATE
VP211201MA		

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	51825530	12/1/2021	\$ 9,820.25

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017C	80138	CC0033	80138	WO19004	8 1/2 Mile Relief	Pjt #200-16347-19001 thru 11/26/21	\$ 9,820.25	GEN		
B											
C											
D											
E	106										
F											
G											

23. Total: \$ **9,820.25** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
 In-System Storage Devices - MEDC GRANT BALANCE \$302,113.48

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>\$59,020.85</u> 32. Staff Date: <u>12/7/2021</u> 33. Board Date: <u>12/13/2021</u> 34. Select For Pay Date: _____
---	---

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
51672316	TETRA TECH	12/3/20	\$102,559.50
51682605	TETRA TECH	12/30/20	\$91,669.80
51658188	TETRA TECH	10/30/20	\$54,718.75
51695239	TETRA TECH	1/22/21	\$99,504.25
51704530	TETRA TECH	2/25/21	\$46,888.12
51718257	TETRA TECH	4/2/21	\$29,242.09
51729686	TETRA TECH	5/3/21	\$12,987.78
51743359	TETRA TECH	6/3/21	\$14,581.80
51754637	TETRA TECH	6/30/21	\$23,065.00
51768485	TETRA TECH	7/23/21	\$31,306.00
51780476	TETRA TECH	9/3/21	\$34,029.50
51799421	TETRA TECH	10/6/21	\$51,072.91
51815333	TETRA TECH	11/5/21	\$61,420.50
51825530	TETRA TECH	12/1/21	\$9,820.25

FISHBECK			
403289	FISHBECK	8/11/21	\$10,129.70

Wade Trim Invoiced To Date	\$1,247,605.67
Jacobs Invoiced To Date	\$68,639.00
Tetra Tech Invoiced To Date	\$1,371,512.15
Fishbeck Invoiced to Date	\$10,129.70

Balance of \$3M State Grant Remaining:	\$302,113.48
---	---------------------

Wade Pjt Balance	\$140,268.33
JACOBS PJT Balance	\$0.00
Tetra Tech Pjt Balance	\$59,020.85

Fishbeck

**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 12/1/2021 (INVOICE 51825530)

INVOICE START DATE 10/30/2021

INVOICE END DATE 11/26/2021

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	\$ 1,361,691.90
TOTAL AMOUNT DUE THIS INVOICE	\$ 9,820.25
TOTAL BUDGET REMAINING	\$ 59,020.85
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



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

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

INVOICE NUMBER: 51825530
INVOICE DATE: 12/01/2021
SERVICES THROUGH: 11/26/2021
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
Hernandez Davila, Albert D.	Engineer 1	1.25	\$105.00	\$131.25
Voss, Justin D.	Project Engineer 1	6.00	\$155.00	\$930.00
TOTAL LABOR		7.25		\$1,061.25
		SUBTOTAL		\$1,061.25

Total Top Task# 01D \$1,061.25

Top Task 01DS **Basis of Design Subcontractors**

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FK ENGINEERING ASSOCIATES	Subcontractor-External	\$446.50
TOTAL SUBCONTRACTOR CHARGES		\$446.50
		SUBTOTAL

Total Top Task# 01DS \$446.50

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

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Rubel, Brian M.	Program Manager	9.00	\$225.00	\$2,025.00
TOTAL LABOR		9.00		\$2,025.00
		SUBTOTAL		\$2,025.00

Total Top Task# 02A \$2,025.00

Top Task 02B **Design**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Boehmke, Brett	Engineer 3	0.50	\$115.00	\$57.50
Graf, Mitchell J.	Project Manager 2	0.25	\$200.00	\$50.00
Kaliman, Roger G.	Sr Engineer 1	19.00	\$180.00	\$3,420.00
Lortz, Thomas J.	CAD Designer	1.00	\$140.00	\$140.00
Paison, William A.	Sr Engineer 1	1.50	\$215.00	\$322.50

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

INVOICE NUMBER: 51825530
INVOICE DATE: 12/01/2021
SERVICES THROUGH: 11/26/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

TOTAL LABOR	<u>22.25</u>	<u>\$3,990.00</u>
	SUBTOTAL	\$3,990.00
	Total Top Task# 02B	\$3,990.00

Top Task 02BS_FTCH Design - Subcontractor FTCH

<u>SUBCONTRACTOR</u>	<u>TYPE</u>	<u>CURRENT AMOUNT</u>
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$2,020.00
TOTAL SUBCONTRACTOR CHARGES		<u>\$2,020.00</u>
	SUBTOTAL	\$2,020.00
	Total Top Task# 02BS_FTCH	\$2,020.00

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>
Robitaille, Luc	Engineer 3	0.25	\$250.00	\$62.50
TOTAL LABOR		<u>0.25</u>		<u>\$62.50</u>
		SUBTOTAL		\$62.50
		Total Top Task# 02B_TCI		\$62.50

Top Task 02C Bidding

<u>EMPLOYEE</u>	<u>TITLE</u>	<u>CURRENT LABOR HOURS</u>	<u>LABOR RATE</u>	<u>CURRENT LABOR AMOUNT</u>
Paison, William A.	Sr Engineer 1	1.00	\$215.00	\$215.00
TOTAL LABOR		<u>1.00</u>		<u>\$215.00</u>
		SUBTOTAL		\$215.00
		Total Top Task# 02C		\$215.00

Total Project# 200-16347-19001 \$9,820.25

TOTAL AMOUNT DUE THIS INVOICE: \$9,820.25

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

INVOICE NUMBER: 51825530
INVOICE DATE: 12/01/2021
SERVICES THROUGH: 11/26/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Gross Contract Summary	
Contract Amount	\$1,430,533.00
Previously Billed	\$1,361,691.90
Current Billing	\$9,820.25
Total Billed to Date	\$1,371,512.15
Contract Balance Remaining	\$59,020.85

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

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



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

INVOICE

Invoice Date: 11/18/21
 Total Amount: \$446.50
 Number: 19-102-017
 Invoice Period: 10/10/21 - 11/13/21
 PO Number: **116682613**
 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	\$446.50

Description	Total Budget	Remaining Budget (\$)	Prior Billing (\$)	This Invoice (\$)
Task 1 - Study Phase	\$23,000.00	\$3,964.05	\$19,035.95	--
Task 2 - Design Phase	\$68,000.00	-\$2,618.67	\$70,172.17	\$446.50
BUDGET TOTALS	\$91,000.00	\$1,345.38	\$89,208.12	\$446.50
TOTAL AMOUNT DUE				\$446.50

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

SK to pay when paid

*B. Rubel
 11/18/21*

184671

200-16347-19001.01DS

SUB-EXT

200 NEW RA



DND



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: 11/18/21
 Total Amount: \$446.50
 Number: 19-102-017
 Invoice Period: 10/10/21 - 11/13/21
 PO Number:
 Project Code: 19-102
 Project: Macomb In-Line Storage

INVOICE DETAILS

Source	Date	Code	Description	Hrs / Qnt	Rate	Amount
Professional Fees						
Margaret O'Reilly	10/11/21	09-Administrative Assistant	draft invoice	0.25	\$55.00	\$13.75
Nicholas Kacynski	10/12/21	04-Project Engineer/Geologist	Finalize dwgs and calcs	2.00	\$112.00	\$224.00
Zachary Carr	10/12/21	02-Principal Engineer/Officer		0.50	\$145.00	\$72.50
Margaret O'Reilly	10/18/21	09-Administrative Assistant	Finalize and send invoice	0.25	\$55.00	\$13.75
Zachary Carr	11/03/21	02-Principal Engineer/Officer		0.25	\$145.00	\$36.25
Margaret O'Reilly	11/09/21	09-Administrative Assistant	post payments	0.25	\$55.00	\$13.75
Zachary Carr	11/11/21	02-Principal Engineer/Officer		0.25	\$145.00	\$36.25
Zachary Carr	11/12/21	02-Principal Engineer/Officer		0.25	\$145.00	\$36.25
				Task 2 - Design Phase	4.00	\$446.50
				Professional Fees	4.00	\$446.50
				TOTAL FEES/EXPENSES	--	\$446.50



Engineers | Architects | Scientists | Constructors

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.O. 1166522 '15

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

Invoice: 405618
Invoice Date: 11/2/2021
Project: 200732
Project Name: Macomb Co PW/In-system Storage
Design Phase
Bill Term: 1

For Professional Services Rendered Through 10/29/2021

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1C - 8.5 Mile Utility Survey	96,524.00	5,671.20	92,872.80	90,852.80	2,020.00
Rate Labor		2,020.00			
					2,020.00
					2,020.00

103976

200-16347-19001.02BS.FICH

SUB-EXT

200 FEW AA

OK to pay
when paid
B. Rubel
11/4/21



ENT

1 - Task 1C - 8.5 Mile Utility Survey

Rate Labor

<u>Class</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Senior Engineer	7.50	130.0000	975.00
	1.00	175.0000	175.00
Total Senior Engineer	----- 8.50		----- 1,150.00
Senior Technician	7.50	116.0000	870.00
		Total Rate Labor	2,020.00
Total Bill Task: 1 - Task 1C - 8.5 Mile Utility Survey			2,020.00

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

2,020.00



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	12/1/21
4. SET ID		5. POST DATE
VP211201MA		

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	51825540	12/1/2021	\$ 96,790.71

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	80138	CC0034	80138	WO21018	8 1/2 Mile Relief	Pjt #200-16347-21002 thru 11/26/21	\$ 96,790.71	GEN		
B											
C											
D											
E	116										
F											
G											

23. Total: \$ 96,790.71

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>\$1,101,055.31</u> 32. Staff Date: <u>12/7/2021</u> 33. Board Date: <u>12/13/2021</u> 34. Select For Pay Date: _____
---	--

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

WORK ORDER NUMBER **W021018 (CC0034)**

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

PROJECT NAME 9 MILE PUMP STATION DESIGN

DRAINAGE DISTRICT 8 1/2 Mile Drainage District

CONSULTANT NAME Tetra Tech of Michigan

INVOICE DATE 12/1/2021 (INVOICE 51825540)

INVOICE START DATE 10/30/2021

INVOICE END DATE 11/26/2021

ORIGINAL CONTRACT AMOUNT	\$ 1,476,428.00
CHANGE ORDER TOTAL	
	\$ -
Change Order No. 1	
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 1,476,428.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 278,581.98
TOTAL AMOUNT DUE THIS INVOICE	
	\$ 96,790.71
TOTAL BUDGET REMAINING	
	\$ 1,101,055.31
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



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

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

INVOICE NUMBER: 51825540
INVOICE DATE: 12/01/2021
SERVICES THROUGH: 11/26/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Client Contact: Vincent Astorino

PROFESSIONAL SERVICES:

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

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Weston, Cynthia A.	Project Administrator	10.00	\$100.00	\$1,000.00
TOTAL LABOR		10.00		\$1,000.00
		SUBTOTAL		\$1,000.00

Total Top Task# 001 \$1,000.00

Top Task 002F **Topographic Survey FTCH**

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$752.33
TOTAL SUBCONTRACTOR CHARGES		\$752.33
		SUBTOTAL

Total Top Task# 002F \$752.33

Top Task 003 **Basis of Design**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Hernandez Davila, Albert D.	Engineer 1	11.75	\$150.00	\$1,762.50
Kaliman, Roger G.	Sr Engineer 1	68.50	\$195.00	\$13,357.50
Rubel, Brian M.	Program Manager	18.00	\$250.00	\$4,500.00
Voss, Justin D.	Project Engineer 1	3.50	\$195.00	\$682.50
Weston, Cynthia A.	Project Administrator	5.00	\$100.00	\$500.00
Whitehead, Benjamin C.	Sr Engineer 1	22.00	\$195.00	\$4,290.00
TOTAL LABOR		128.75		\$25,092.50
		SUBTOTAL		\$25,092.50

Total Top Task# 003 \$25,092.50

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

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FK ENGINEERING ASSOCIATES	Subcontractor-External	\$4,683.00
TOTAL SUBCONTRACTOR CHARGES		\$4,683.00

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

INVOICE NUMBER: 51825540
INVOICE DATE: 12/01/2021
SERVICES THROUGH: 11/26/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

SUBTOTAL \$4,683.00

Total Top Task# 003E **\$4,683.00**

Top Task 003F Basis of Design FTCH

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$8,226.75
TOTAL SUBCONTRACTOR CHARGES		\$8,226.75

SUBTOTAL \$8,226.75

Total Top Task# 003F **\$8,226.75**

Top Task 004 Design 30%

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Bauer, Celeste E.	Engineer 2	2.00	\$155.00	\$310.00
Boehmke, Brett	Engineer 3	39.25	\$150.00	\$5,887.50
Lortz, Thomas J.	CAD Designer	27.00	\$95.00	\$2,565.00
Paison, William A.	Sr Engineer 1	14.50	\$225.00	\$3,262.50
Petaja, Matthew S.	Sr Engineer 1	4.00	\$180.00	\$720.00
Sissoko, Moussa D.	Project Engineer 2	20.25	\$180.00	\$3,645.00
Tervo, Jeffrey A.	CAD Technician 2	34.00	\$95.00	\$3,230.00
Weston, Cynthia A.	Project Administrator	3.50	\$100.00	\$350.00
TOTAL LABOR		144.50		\$19,970.00

SUBTOTAL \$19,970.00

Total Top Task# 004 **\$19,970.00**

Top Task 004E Design 30% FKE

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FK ENGINEERING ASSOCIATES	Subcontractor-External	\$9,964.50
TOTAL SUBCONTRACTOR CHARGES		\$9,964.50

SUBTOTAL \$9,964.50

Total Top Task# 004E **\$9,964.50**

Top Task 004F Design 30% FTCH

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$18,461.63
TOTAL SUBCONTRACTOR CHARGES		\$18,461.63

SUBTOTAL \$18,461.63

Total Top Task# 004F **\$18,461.63**

Top Task 004I Design 30% CBI

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Biagi, James Q.	Project Manager 2	8.00	\$195.00	\$1,560.00

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

INVOICE NUMBER: 51825540
INVOICE DATE: 12/01/2021
SERVICES THROUGH: 11/26/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
D'Isabella, Linda A.	Architect	34.00	\$150.00	\$5,100.00
Driscoll, Jennifer L.	Project Administrator	3.00	\$100.00	\$300.00
Galante, David	Architect 2	4.00	\$150.00	\$600.00
Heath, Tabitha L.	Project Assistant 2	1.00	\$100.00	\$100.00
Yanakiev, Rositsa S.	Architectural Designer 3	7.00	\$140.00	\$980.00
TOTAL LABOR		57.00		\$8,640.00
		SUBTOTAL		\$8,640.00

Total Top Task# 004I **\$8,640.00**

Total Project# 200-16347-21002 **\$96,790.71**

TOTAL AMOUNT DUE THIS INVOICE: **\$96,790.71**

Gross Contract Summary	
Contract Amount	\$1,476,428.00
Previously Billed	\$278,581.98
Current Billing	\$96,790.71
Total Billed to Date	\$375,372.69
Contract Balance Remaining	\$1,101,055.31

REMIT PAYMENT TO:

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

ACH

Payment Options

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

P.O. 1181485: X

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

Invoice: 405707
Invoice Date: 11/3/2021
Project: 210764
Project Name: Macomb Co PW/9 Mile Pump Station
Bill Term: 1

For Professional Services Rendered Through 10/29/2021

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1 - Infrastructure Survey - 3D Scan	44,000.00	97.00	43,903.00	43,903.00	0.00
2 - Task 2 - Topographical & Boundary Survey	53,000.00	32,011.45	21,705.05	20,988.55	(6) 716.50 .0021
Rate Labor	716.50				
3 - Task 3 - Basis of Design	29,500.00	20,015.00	17,320.00	9,485.00	(2) 7,835.00 .0031
Rate Labor	7,835.00				
4 - Task 4 - 30% Design	49,500.00	49,500.00	17,582.50	0.00	(1) 17,582.50 .0041
Rate Labor	17,582.50				
5 - Task 5 - CMaR Bidding	0.00	0.00	0.00	0.00	0.00
6 - Task 6 - Final Design	0.00	0.00	0.00	0.00	0.00
Current Billings					26,134.00
Amount Due This Bill					26,134.00

OK to pay when paid
 B. Rubel
 11/3/21
 #103976
 200-16347-21002-XXX
 SUB-EXT
 200 PLW AA



DND

2 - Task 2 - Topographical & Boundary Survey

Rate Labor

Class	Hours	Rate	Amount
Senior Engineer	0.50	145.0000	72.50
	3.50	184.0000	644.00
Total Senior Engineer	4.00		716.50
Total Rate Labor			716.50

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

716.50

3 - Task 3 - Basis of Design

Rate Labor

Class	Hours	Rate	Amount
Senior Engineer	25.50	184.0000	4,692.00
	3.50	202.0000	707.00
Total Senior Engineer	29.00		5,399.00
Senior Technician	21.00	116.0000	2,436.00
Total Rate Labor			7,835.00

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

7,835.00

4 - Task 4 - 30% Design

Rate Labor

Class	Hours	Rate	Amount
Engineer	19.00	139.0000	2,641.00
Senior Engineer	44.00	184.0000	8,096.00
Senior Engineering Specialist	4.50	155.0000	697.50
Senior Technician	53.00	116.0000	6,148.00
Total Rate Labor			17,582.50

Total Bill Task: 4 - Task 4 - 30% Design

17,582.50

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

26,134.00



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

INVOICE

Tetra Tech

1005 River Street, Suite 1
 Port Huron, MI 48079

Invoice Date: 11/12/21
 Total Amount: \$13,950.00
 Number: 21-078-003
 Invoice Period: 10/03/21 - 11/06/21
 PO Number: Project #200-16347-21002
 Project Code: 21-078
 Project: Macomb Nine Mile Pump Station

P.O. 1181484: X

INVOICE SUMMARY

Description	Amount
Basis of Design	\$4,460.00
30% Design	\$9,490.00
Final Design	--

Description	Total Budget	Remaining Budget (\$)	Prior Billing (\$)	This Invoice (\$)
Basis of Design	\$20,000.00	--	\$15,540.00	\$4,460.00 (2)
30% Design	\$73,000.00	\$63,510.00	--	\$9,490.00 (1)
Final Design	\$22,000.00	\$22,000.00	--	--
BUDGET TOTALS	\$115,000.00	\$85,510.00	\$15,540.00	\$13,950.00

TOTAL AMOUNT DUE \$13,950.00

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

OK to pay when paid
 B. Rubel
 11/15/21

184671
 200-16347-21002
 (1) .004E - 9490.00
 (2) .003E - 4460.00
 sub. EXT
 200 KES AA



DWA



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	12/3/21
4. SET ID		5. POST DATE
VP211201MA		

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
TREMCO/Weatherproofing Tech	V05021	01	96452301	11/21/2021	\$ 2,317.50

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	93001	CC0004	93001	WO18006	8 1/2 Mile Relief	Acct #6054709, Renewal	\$ 2,317.50	GEN		
B											
C											
D											
E	124										
F											
G											

23. Total: \$ **2,317.50** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Roof Warranty Platinum Plan (11-15 YRS)

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>12/7/2021</u> 33. Board Date: <u>12/13/2021</u> 34. Select For Pay Date: _____
---	---



TREMCO
3735 GREEN ROAD, BEACHWOOD, OH 44122-5730 (216)292-5000

RECEIPT OF THIS ORDER SHALL BE ACCEPTANCE OF ALL TERMS AND CONDITIONS CONTAINED ON THE FRONT AND BACK HEREOF. (V 6.20A1)

SHIP TO

COUNTY OF MACOMB
PUBLIC WORKS COMMISSION
LAKE SAINT CLAIR CLEAN WATER INITIA
CHAPATON EAST/WEST & SERVICE GARAGE
23001 EAST NINE MILE ROAD
SAINT CLAIR SHORES MI 48080

CHARGE TO

COUNTY OF MACOMB
PUBLIC WORKS COMMISSION
LAKE SAINT CLAIR CLEAN WATER INITIATIVE
23001 EAST NINE MILE ROAD
ST CLAIR SHORES MI 48080

ACCOUNT NUMBER 6054709

INVOICE NO. 96452301	INVOICE DATE 11/21/2021	DUE DATE 12/21/2021
CUST. P.O. PW 000108 / RENEWAL YRS 11-15		
ORDER NUMBER 30025454		
TERMS Net 30		
SHIPPED FROM	SHIP DATE 11/19/2021	
ROUTING - IF SPECIFIED	DELIVERY NO.	

(PLEASE MAKE ANY CORRECTIONS TO ABOVE INFORMATION)
NO RETURN MERCHANDISE UNLESS AUTHORIZED BY OUR REPRESENTATIVE

REPRESENTATIVES Srbu, Earl

FREIGHT (F.O.B.: SHIPPING POINT)
PPA PREPAID AND ADD

QTY	FORMULA NO. AND DESCRIPTION	UNIT QTY	PRICE	AMOUNT
1	TREMCARE PB BILLING PLAN - TREMCARE PLATINUM COUNTY OF MACOMB PUBLIC WORKS COMMISSION - CHAPATON EAST - CHAPATON WEST - SERVICE GARAGE JOB/AGREEMENT NUMBER: 138882 COUNTY OF MACOMB-138882	1 EA	2,317.50	2,317.50
If you would prefer to receive your invoices by email or fax, please contact Customer Service.				

SUBTOTAL			2,317.50
LOCAL TAX 0.00	COUNTY TAX 0.00	STATE TAX 0.00	SALES TAX 0.00
SHIPPING			0.00
TOTAL DUE			2,317.50

PLEASE RETURN THIS PORTION WITH YOUR REMITTANCE

COUNTY OF MACOMB
PUBLIC WORKS COMMISSION
LAKE SAINT CLAIR CLEAN WATER INITIATIVE
23001 EAST NINE MILE ROAD
ST CLAIR SHORES MI 48080

ACCOUNT NUMBER: 6054709
CUST. P.O.: PW 000108 / RENEWAL YRS 11-15
TERMS: Net 30

INVOICE NO. 96452301	INVOICE DATE 11/21/2021
-------------------------	----------------------------

SUBTOTAL 2,317.50
SALES TAX 0.00
SHIPPING 0.00
TOTAL DUE 2,317.50 USD

IF THIS ORDER IS SALES TAX
EXEMPT AND WE HAVE
CHARGED SALES TAX,
MARK BOX AND RETURN
A COMPLETED, SIGNED
SALES TAX EXEMPTION
CERTIFICATE WITH YOUR
REMITTANCE. THANK YOU.

COMMENTS:

Mail check to address shown or call to pay
by ACH or wire transfer.
Credit card accepted at time of purchase.

Thank you for your payment. We appreciate your business.

Tremco/Weatherproofing Technologies, Inc.
P.O. BOX 931111
CLEVELAND, OH 44193-0511

Budget to Actual
8.5 Mile Relief
As of Nov 30, 2021 = 17%

DESCRIPTION	2022 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Interest Earned	30,000		782	29,218	2.6%
Other Revenue	4,000		1,938	2,062	48.5%
8.5 O&M/Charge Required Revenue	4,748,520		2,374,260	2,374,260	50.0%
PY Revenue-Fund Balance	3,840,000			3,840,000	0.0%
Use of SCADA Reserve	147,950		-	147,950	0.0%
<i>Total Revenue Accounts</i>	8,770,470	-	2,376,980	6,393,490	27.1%
EXPENSE ACCOUNTS					
Application/Permit Fee	6,000			6,000	0.0%
Dues, Training, Conf, Subs.	10,380			10,380	0.0%
Engineering					
As needed Engineering	75,000			75,000	0.0%
9 Mile PS-const Admin/Const Mgr at risk	2,537,390			2,537,390	0.0%
Cost Share Army corp Grant-Green Infrastructure Project	162,500			162,500	0.0%
9 Mile Pump Station Design-Use of Capital Reserve	147,950			147,950	0.0%
9 Mile Pump Station Design-Was Flushing	797,090		81,949	715,141	10.3%
9 Mile Bypass Structural Repairs-Construction/CA	730,590		25,973	704,617	3.6%
In-System Storage-Construction & Const Admin ⁽¹⁾	2,250,000		61,421	2,188,579	2.7%
New Equipment	28,590			28,590	0.0%
Office Supplies	500			500	0.0%
Operating Supplies	65,400		12,238	53,162	18.7%
Other Professional Svcs	36,000		532	35,468	1.5%
Personnel Services	1,032,200			1,032,200	0.0%
Repair & Maintenance	197,000		58,751	138,249	29.8%
Contribution to Reserve	288,240			288,240	0.0%
Scada System	138,040		6,787	131,253	4.9%
Utilities	267,600		17,046	250,554	6.4%
<i>Total Expense Accounts</i>	8,770,470	-	264,697	8,505,773	3.0%

	O&M Balance 9/30/2021	O&M	Total 11/30/2021
Cash - Operating	12,229,091	2,112,283	14,341,374
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		2,376,980	2,376,980
Expenditures		264,697	264,697
			0
Equity*	12,229,091		14,341,374

Detail of 2021 Equity*

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