

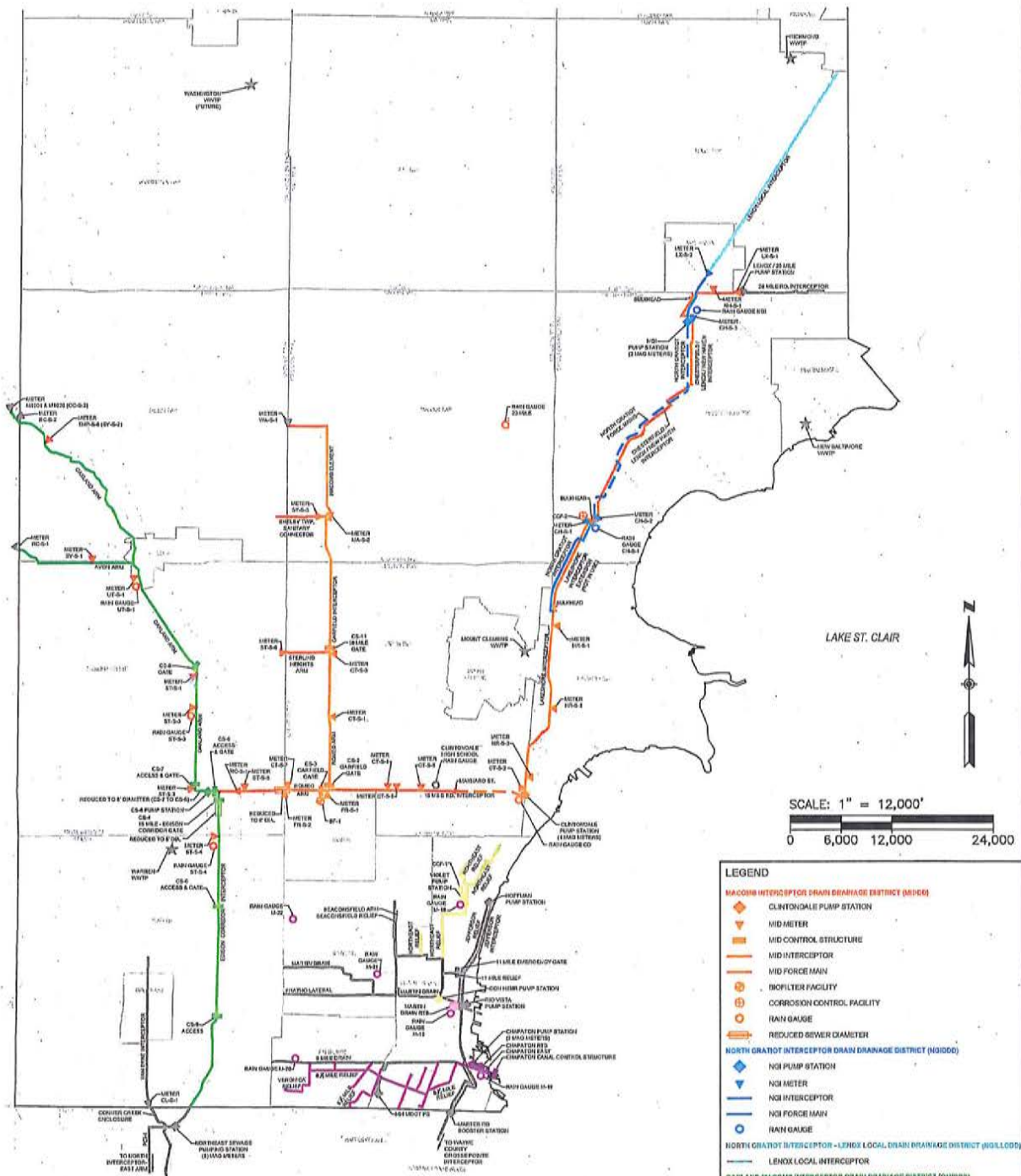
EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
JANUARY 11, 2021
10:00 A.M.
AGENDA

NOTE: THIS MEETING WILL BE HELD BY TELECONFERENCE

Call in Number: 1-931-622-9061
Access Code: 296 407 544

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for January 11, 2021	
3. Approval of Minutes for December 14, 2020	3
4. Public Participation	
5. Project Updates - Vince Astorino	
6. In-System Storage CSO Reduction Project Update – Brian Baker	
7. Consideration for approval of invoices (see attached)	5
8. Financial Report – Bruce Manning	91
9. Adjourn	

MACOMB COUNTY WASTEWATER SYSTEMS



An adjourned meeting of the Intra-County Drainage Board for the **EIGHT AND ONE-HALF MILE RELIEF DRAIN** was held via telephone conference per the State Public Act 228 of 2020 due to the COVID-19 pandemic, on December 14, 2020, at 10:00 A.M.

PRESENT: Candice S. Miller, Chair
Location: Harrison Township, MI

Veronica Klinefelt, Member
Location: Eastpointe, MI

Bryan Santo, Member
Location: Mt. Clemens, MI

ALSO PRESENT: Harold Haugh, Robert Mijac, Rob Leonetti, Macomb County Board of Commissioners; Board of Commissioner Elect Don VanSyckel; Brian Baker, Chief Deputy, Karen Czernel, Deputy, Stephen Downing, Construction & Maintenance Manager, Bruce Manning, Financial Manager, Tom Stockel, Construction Engineer, Jeff Bednar P.E., Environmental Resources Manager, Vince Astorino, Operations & Flow Manager, Kellie Kource, Drain Account Specialist, Emily Engelmann, Administrative Assistant, Macomb County Public Works; Sebastian Previti, Patrick Meagher, Washington Township; Sydney Hilgendorf, Sterling Heights; Bob Gorski

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 November 9, 2020 were presented. A motion was made by Mr. Santo, supported by Ms. Klinefelt to approve the minutes as presented.

Adopted: YEAS: 3
NAYS: 0

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

Mr. Astorino updated the board that the pump and screen project is nearing completion. The disinfection project is in the early submittal process with the contractor mobilizing in January 2021. The lab and office improvements is in the submittal process with a plan to mobilize in February 2021. The in-system storage project is at 60% design with the project expected to start in 2022.

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

Adopted: YEAS: 3
NAYS: 0

Mr. Downing updated the board that we have been very satisfied with Marino's Landscaping and would like to extend the lawn maintenance contract at current pricing with them for three years.

A motion was made by Ms. Klinefelt, supported by Mr. Santo to approve a contract amendment to extend the Marino's Landscaping contract for the 2021, 2022, and 2023 seasons based on 2020 rates for a total cost of \$25,596 (\$8,532 annually).

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$263,568.15 to the board for review and approval.

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

Adopted: YEAS: 3
NAYS: 0

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

Adopted: YEAS: 3
NAYS: 0

There being no further business, it was moved by 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 10:11 a.m.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

STATE OF MICHIGAN
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taking by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on December 14, 2020 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: 12/14/20

EIGHT AND ONE HALF MILE RELIEF DRAIN - 12/15/20 - 1/5/21

Funding Source	Apportionment	Manager	Vendor	Amount	Invoice Detail	Project Summary	Project Balance
8 1/2 Mile Relief	Chapter 20 State of MI - 16.04% County of Macomb - 2.25% Dept. of Roads - 2.25% Eastpointe - 54.33% St. Clair Shores - 25.13%	Astorino	Access Interactive	\$ 5,752.80	Invoice #AL-MCPWO09142020 -	SCADA Server Upgrade	
		Astorino	ALTA Equipment Company	\$ 8,198.39	Invoice #SE25474 - 11.24.20	Scissor Lift	
		Astorino	Colville Electric Co., LLC	\$ 1,570.80	Invoice #200679 - 12.4.20	Automated Valves	
		Astorino	Colville Electric Co., LLC	\$ 1,209.31	Invoice #200680 - 12.4.20	Conduit/Wiring Valves	
		Astorino	Consumers Energy	\$ 615.39	Invoice #R1JDT-N32Q9 - 12.10.20	Monthly Gas - 11.13.20 - 12.10.20	
		Astorino	Cross Construction Group	\$ 22,498.20	Invoice #WO19082 Est 1 - 12.31.20	Chapaton Lab & Mezzanine, Est #1	
		Astorino	DTE Energy	\$ 6,573.83	Invoice #R03B3-3Z274 - 11.8.20	Monthly Electric - 10.8.20 - 11.8.20	\$ 645,278.80
		Astorino	DTE Energy	\$ 550.28	Invoice #R0BPN-YCVV9 - 11.30.20	Monthly Electric - 11.1.20 - 11.30.20	
		Astorino	DTE Energy	\$ 8,654.87	Invoice #R1KJX-TB4BXXH - 12.7.20	Monthly Electric - 11.9.20 - 12.7.20	
		Astorino	Hubbell, Roth & Clark, Inc.	\$ 1,214.48	Invoice #184409 - 12.16.20	Chapaton Dry Weather & Pump Screen	\$ 4.06
		Astorino	JCI Jones Chemicals Inc.	\$ 7,334.66	Invoice #840475 - 12.8.20	Hypochlorite Solution - 8,134 Gallons	
		Astorino	JF Cavanaugh	\$ 140,673.87	Invoice #WO18350 Est 4 - 11.24.20	Pump & Screen Improvements - 9.4.20 -	\$ 124,897.36
		Astorino	State of MI	\$ 6,000.00	Invoice #761-10591520 - 12.1.20	NPDES Annual Permit Fee	\$ 564,608.85
		Astorino	Tetra Tech, Inc.	\$ 102,559.50	Invoice #51672316 - 12.3.20	In-System Storage Devices	\$ 472,939.05
		Astorino	Tetra Tech, Inc.	\$ 91,669.80	Invoice #51682605 - 12.30.20	In-System Storage Devices	
		Astorino	TREMCO/Weatherproofing Tech	\$ 2,317.50	Invoice #96065748 - 11.21.20	Roof Warranty	
		Astorino	TREMCO/Weatherproofing Tech	\$ 2,822.00	Invoice #96071158 - 11.28.20	Crane Canopy Repairs	
		Astorino	Wade Trim	\$ 695.04	Invoice #2019901 - 1.4.21	Chapaton RTB Disinfection Improvements	\$ 74,973.14
		Astorino	Wade Trim	\$ 3,563.75	Invoice #2019681 - 12.2.20	Chapaton RTB Disinfection Improvements	\$ 75,668.18
		Total				\$ 414,474.47	



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

PREPARED BY Houvenner	PHONE NUMBER 95966	DATE 1/4/2021
SET ID VP210104MA	POST DATE	

PARENT RECORD INFORMATION			
VENDOR NAME	VENDOR NUMBER	ADDR CODE	INVOICE DATE
Access Interactive LLC	100035	01	12/30/2020
			INVOICE AMOUNT
			\$ 15,341.00

CHILD RECORD DETAIL INFORMATION															
GENERAL LEDGER		JOB LEDGER		DRAIN NAME		DESCRIPTION		AMOUNT		DIV		MISC		SEP CK	
ORG KEY	OBJECT	COST CENTER	OBJECT	WORK ORDER NUMBER	DRAIN NAME	DESCRIPTION	AMOUNT	DIV	MISC	SEP CK					
8200166M	97002	CC0014	97002	WO20012	MIDDD	Dell EMC	\$ 5,736.60	GEN							
8200166M	97002	CC0014	97002	WO20016	MIDDD (OMIDD)	Dell EMC	\$ 933.84	GEN							
8200017M	97002	CC0014	97002	WO20013	8 1/2 Mile Relief	Dell EMC	\$ 5,002.80	GEN							
8200072M	97002	CC0014	97002	WO20014	Martin	Dell EMC	\$ 1,000.68	GEN							
8703018M	97002	CC0014	97002	WO20015	SEMCWWDSD	Dell EMC	\$ 667.08	GEN							
8200166M	80126	CC0014	80126	WO20012	MIDDD	Deployment/Configuration	\$ 860.00	GEN							
8200166M	80126	CC0014	80126	WO20016	MIDDD (OMIDD)	Deployment/Configuration	\$ 140.00	GEN							
8200017M	80126	CC0014	80126	WO20013	8 1/2 Mile Relief	Deployment/Configuration	\$ 750.00	GEN							
8200072M	80126	CC0014	80126	WO20014	Martin	Deployment/Configuration	\$ 150.00	GEN							
8703018M	80126	CC0014	80126	WO20015	SEMCWWDSD	Deployment/Configuration	\$ 100.00	GEN							
								TOTAL:	\$ 15,341.00						

COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
 PW000095 - OMID To be invoiced for \$1,073.84

Finance Manager:	BM/mh	Drain:	Multiple
Chief Engineer:		Project Balance:	N/A
Engineer(s):		Staff Date:	1/5/2021
Manager(s):		Board Date:	1/11/2021
Coordinator:		Select for Pay Date:	

ACCESS/INTERACTIVE

46635 MAGELLAN DRIVE
NOVI, MI 48377
248 567-3000 fax 248-5673050

Invoice No. AI-MCPWO09142020
CUST. #: MACOMBDPW4257
P.O. #: PW000095

INVOICE

Customer

Name: Macomb County Public Works Office (MCPWO)
Address: 21777 Dunham Road
City: Clinton Township State MI ZIP 48036
Phone: (586) 469-4257
Attn: Accounts Payable / Brent Welser, SCADA System Mgr

Date: 9/14/2020
Master No.: 109,743
Rep: 1004

Requested by: Michelle Houvener

Req. Dt: 09/13/2020

ITEMS							
ITEM #	ORGKEY	OBJECT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED PRICE
0001	8210186M	97002	Dell EMC 2 4TB, SAS, 12Gb, 10K, 2.5" Hard Drives for Existing SCv3020 SAN	6.00		923.50	5,541.00
0002	8210186M	97002	Dell EMC 2 4TB, SAS, 12Gb, 10K, 2.5" Hard Drives for Existing SC5020 SAN	6.00		1,300.00	7,800.00
0003	8210186M	80126	Deployment, configuration and integration into existing SANs and Veeam Backup	1.00		2,000.00	2,000.00

SEE ATTACHED FOR
FURTHER BREAKDOWN

Payment Details

- Terms
- Check/Cash
- Credit Card

REC BY: _____
DATE: _____
TERMS: NET30

SubTotal	\$15,341.00
Shipping & Handling	\$0.00
Taxes State	\$0.00
TOTAL	\$15,341.00

Office Use Only

PLEASE INCLUDE CUSTOMER # AND INVOICE # ON CHECK.

THANK YOU FOR YOUR ORDER!

PURCHASE ORDER NO.

PW000095

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

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

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

Requested by: Michelle Houvener

Req. Dt: 09/13/2020

ITEM #	ORGKEY	OBJECT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED PRICE
0001	8200166M	97002	Dell EMC 2.4TB, SAS, 12Gb, 10K, 2.5" Hard Drives for Existing SCv3020 SAN and Existing SC5020 SAN (W020012)	12.00		478.05	5,736.60
0002	8200166M	97002	Dell EMC 2.4TB, SAS, 12Gb, 10K, 2.5" Hard Drives for Existing SC5020 SAN and Existing SC5020 SAN (W020016) - OMI -	12.00		77.82	933.84
0003	8200017M	97002	Dell EMC 2.4TB, SAS, 12Gb, 10K, 2.5" Hard Drives for Existing SC5020 SAN and Existing SC5020 SAN (W020013)	12.00		416.90	5,002.80
0004	8200072M	97002	Dell EMC 2.4TB, SAS, 12Gb, 10K, 2.5" Hard Drives for Existing SC5020 SAN and (W020014)	12.00		83.39	1,000.68

BILL TO:

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

AUTHORIZED AGENT

Print Date: 01/04/2021

PURCHASE ORDER NO.

PW000095

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

Existing SC5020						
0005	8703018M	97002		12.00	55.59	667.08
			Dell EMC 2.4TB, SAS, 12Gb, 10K, 2.5" Hard Drives for Existing SC5020 SAN and Existing SC5020 SAN	(W020015)		
0006	8200166M	80126		1.00	860.00	860.00
			Deployment, configuration and integration into existing SANs and Veeam Backup	(W020012)		
0007	8200166M	80126		1.00	140.00	140.00
			Deployment, configuration and integration into existing SANs and Veeam Backup	(W020016) OMIID		
0008	8200017M	80126		1.00	750.00	750.00
			Deployment, configuration and integration into existing SANs and Veeam Backup	(W020013)		
0009	8200072M	80126		1.00	150.00	150.00
			Deployment, configuration and integration into existing SANs and Veeam Backup	(W020014)		
0010	8703018M	80126		1.00	100.00	100.00
			Deployment, configuration	(W020015)		

BILL TO:

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

AUTHORIZED AGENT

Print Date: 01/04/2021

PURCHASE ORDER NO.
PW000095
PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES AND SHIPPING DOCUMENTS.

and integration into
existing SANs and Veeam
Backup

TOTAL \$15,341.00

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

AUTHORIZED AGENT

Print Date: 01/04/2021



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 12/16/20
4. SET ID VP201211MA		
5. POST DATE		

PARENT RECORD INFORMATION	
6. VENDOR NAME (Check to be issued to) ALTA Equipment Company	7. VENDOR NUMBER V79337
8. ADDR CODE 02	9. Invoice No (MAX = 16 CHARACTERS) SE2/5474
10. Invoice Date 11/24/2020	11. Invoice Amount \$ 16,396.78

CHILD RECORD DETAIL INFORMATION										
General Ledger		Job Ledger		OPTIONAL						
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22 Sep CK
A	8200166M	97002	97002	WO18300	MIDDD	PW000105; Scissor Lift	\$ 8,198.39	GEN		
B	8200017M	97002	97002	WO18006	8 1/2 Mile Relief	PW000105; Scissor Lift	\$ 8,198.39	GEN		0
C										
D										
E										
F										
G										

23. Total: \$ **16,396.78**

REV 09/2019

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

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

26. Chief Deputy: **MIDDD; 8 1/2 Mile Relief**

27. Engineers: **N/A**

28. Managers: **12/15/2020**

29. Coordinator: **1/11/2021**

30. Drain: **MIDDD; 8 1/2 Mile Relief**

31. Project Balance: **N/A**

32. Staff Date: **12/15/2020**

33. Board Date: **1/11/2021**

34. Select For Pay Date:

V79337 (02)

ALTA EQUIPMENT COMPANY

ALTA EQUIPMENT COMPANY
13211 MERRIMAN RD
LIVONIA, MI 48150-1826

REMIT TO:

ALTA CONSTRUCTION EQUIPMENT LLC
DEPT 771420
PO BOX 77000
DETROIT, MI 48277-1420

EQUIPMENT SALES INVOICE:

ALTA CONSTRUCTION EQUIPMENT CO
5105 LORAIN STREET
DETROIT MI 48208-1910
(313) 394-1811

INVOICE TO:

240 I AB 0.419 E0009X 10016 06880411745 S2 P7855137 0001:0001



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

SHIP TO:

MACOMB COUNTY PUBLIC WORKS
21777 DUNHAM
CLINTON TWP MI 48036

INVOICE NO SE2/5474	CUSTOMER NO BP0064409	CUSTOMER PO PW000105	INVOICE DATE 11/24/2020	PAYMENT TERMS CASH ON DELIVERY
SALESPERSON: DAVID BROWN EQUIPMENT ORDER: ESA019771			DELIVERY TERMS:	

UNIT	QTY	PRICE	TOTAL
EQ0140764 SCISSOR, 2032 ELECTRIC GENIE MODEL: GS2032 S/N: GS32P-171142	1.00	16,396.78	16,396.78
SUB TOTAL :			16,396.78

TOTAL PURCHASE	16,396.78
LESS TRADE-IN(S)	
MISC CHARGES	
SALES TAX	0.00
TOTAL INVOICE	16,396.78

TOTAL IF PAID AFTER DUE DATE: 16,642.73

Terms and Conditions

- General.** These Terms and Conditions shall govern the sale of products and services (collectively "products") by Alta Construction Equipment, L.L.C. ("Seller") to Buyer. Buyer's acceptance of Seller's products represents acceptance in full of these Terms and Conditions. Buyer may, for purposes of administrative convenience, use Buyer's standard form of purchase order to order products from Seller. The parties understand and agree that any terms or conditions on any such purchase order or similar document in any way different from or in addition to the terms and conditions of these Terms and Conditions shall have no effect whatsoever and Seller hereby rejects all such terms and conditions.
- Price and Taxes.** Unless otherwise agreed to in writing by Seller, all sales and prices quoted are F.O.B. Shipping Point. Buyer shall be liable for and shall pay or reimburse Seller for any sales tax, use tax, personal property tax, license or registration fees levied or based upon the sale, rental, use or operation of the products.
- Payment Terms.** All payments hereunder shall be in United States Dollars. Upon approval of credit by Seller, payment shall be made thirty (30) days from the date of invoice. On overdue accounts, Seller shall charge and Buyer shall pay a service charge of one and one-half percent (1.5%) of the unpaid balance per month (or such lesser rate as may be required by law) until the account is paid in full. Regardless of any prior approval of credit, Seller may require full or partial payment in advance if Seller, in the exercise of its sole discretion, determines that Buyer's financial position warrants such action. If at any time Seller requests written assurances with respect to Buyer's financial condition, Buyer shall deliver such assurance. Seller may suspend delivery or the provision of services until receipt of such assurance, or until payment in full of the purchase price is received. Buyer's action in accepting Seller's products shall constitute (A) Buyer's grant to Seller of a purchase money security interest in the products, including all additions and replacements thereto and proceeds thereof, (B) Buyer's authorization of Seller to execute on behalf of Buyer any financing statements, security agreements and like documents and to take any other action in order to create, perfect and/or maintain Seller's security interest in the products; and (C) Buyer's appointment of Seller as Buyer's attorney-in-fact to prepare, sign, file and record, in Buyer's name, any such documents. Such appointment is coupled with an interest and is irrevocable.
- Limited Warranty.** (A) In the event a product of Seller is found to be defective within the warranty period established by the manufacturer, Seller's only obligation and Buyer's exclusive remedy shall be, at Seller's option, the repair or replacement of any defective part at Seller's facilities. Shipping costs to Seller's facilities shall be borne by Buyer and the repaired product shall be returned to Buyer at Seller's expense. Replacement parts and service labor for warranty work will be provided at no charge. All replaced parts shall be the property of Seller. In no event will Buyer return Products to Seller for warranty work, credit or otherwise without Seller's prior written consent. Seller shall have no obligation to repair or replace: (1) products altered, modified or repaired other than by Seller; (2) products failing due to misuse, improper maintenance, improper operating environment, carelessness, negligence or accident; (3) products failing due to damage occurring after delivery thereof to Buyer; or (4) products, the serial numbers or any parts of which have been altered, defaced or removed. THE WARRANTIES SET FORTH IN THIS CLAUSE (A) ARE LIMITED WARRANTIES AND THE ONLY WARRANTIES PROVIDED BY SELLER AND SELLER HEREBY EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ARISING OUT OF THE COURSE OF DEALING, CUSTOM OR USAGE OF TRADE.
(B) THE REMEDIES OF BUYER WITH RESPECT TO THE SALE, DELIVERY OR USE OF ANY PRODUCT HEREUNDER, WHETHER IN CONTRACT, IN TORT (INCLUDING NEGLIGENCE, PRODUCTS LIABILITY AND STRICT LIABILITY), UNDER ANY WARRANTY, OR OTHERWISE, SHALL BE EXCLUSIVELY AS SET FORTH IN THIS SECTION 4. SELLER SHALL NOT BE LIABLE TO BUYER FOR INCIDENTAL, INDIRECT, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO DAMAGE FOR LOSS OF PROPERTY OR EQUIPMENT, LOSS OF PROFITS OR REVENUE, LOSS OF USE, COST OF REPLACEMENT PRODUCTS OR CLAIMS OF BUYER'S CUSTOMERS, NOTWITHSTANDING (1) THE FACT THAT SELLER MAY HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, LOSSES OR CLAIMS OR (2) THE FAILURE OF ANY REMEDY OF ITS ESSENTIAL PURPOSE.
- Assignment.** Any attempted assignment by Buyer of its rights hereunder without Seller's prior written consent shall be void. Seller may assign any of its rights or delegate any of its duties hereunder.
- Attorney's Fees.** In the event it is necessary to retain the services of legal counsel to enforce or interpret these Terms and Conditions, the prevailing party in any resulting action or proceeding shall be entitled to recover its reasonable attorney's fees and court costs.
- Governing Law; Severability.** These Terms and Conditions shall be governed by and construed in accordance with the laws of the State of Michigan without regard to conflicts of law principles that would require the application of any other law. The parties consent to the exclusive jurisdiction of the appropriate State Court or Federal Court that has jurisdiction over the Seller's facility from which products or services were provided. The provisions of these Terms and Conditions are deemed severable and any term or condition is held to be unenforceable or invalid, the remaining provisions shall remain in full force and effect.
- Representation of Solvency.** By accepting the products or services sold hereunder, Buyer represents and warrants to Seller that it is not insolvent. Buyer acknowledges that Seller's performance hereunder is expressly in reliance on such representation and warranty. Buyer agrees to provide written confirmation thereof forthwith upon Seller's request.
- Amendment.** These Terms and Conditions may not be modified or amended except in a writing signed by a duly authorized representative of Seller that expressly states the sections of these Terms and Conditions to be modified; no other act, usage, or custom shall be deemed to amend or modify these Terms and Conditions. By its action in accepting the products Buyer thereby waives any right it may have to claim that these Terms and Conditions were subsequently modified other than in accordance with this Section 9.
- Indemnity.** Buyer agrees to indemnify, hold harmless and defend Seller from and against any claim, action, loss, liability, expense, damage or judgment, including litigation costs and reasonable attorney's fees, which arise as a result of any actions by Buyer's agents, employees, consultants or representatives in connection with Buyer's possession, use or operation of the product(s) sold hereunder.



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 12/4/20
4. SET ID VP201211MA		
5. POST DATE		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) CoVille Electric Co., LLC	7. VENDOR NUMBER V50164	8. ADDR CODE 02	9. Invoice No (MAX = 16 CHARACTERS) 200679
			10. Invoice Date 12/4/2020
			11. Invoice Amount \$ 1,570.80

CHILD RECORD DETAIL INFORMATION										
Line	General Ledger		Job Ledger		16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object						
A	8200017M	97002	CC0014	97002	WO18006	8 1/2 Mile Relief	Job #37195271; stainless steel valves	\$ 1,570.80	GEN	
B										
C										
D										
E										
F										
G										

23. Total: \$ **1,570.80**

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	BM/mh	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	12/15/2020
28. Managers:		33. Board Date:	1/11/2021
29. Coordinator:		34. Select For Pay Date:	

Colville Electric Co., LLC

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

Invoice

DATE	12/04/2020
INVOICE #	200679
TERMS	NET 30

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

SERVICE LOCATION
Macomb County DPW Chaption East

JOB#	DATE	PO	DESCRIPTION
37195271			Install valves to scada for filter flushing. Completion Notes:

Description	Qty	Rate	Total
Material Stainless Steel automated valves.	2.00	\$785.40	\$1,570.80

SUB-TOTAL:	TIME & LABOR:	EXPENSES:	PMTS/DEPS:	TOTAL DUE:
\$1,570.80	\$0.00	\$0.00	\$0.00	\$1,570.80

CUSTOMER MESSAGE

Invoice Total:	\$1,570.80
Deposits (-):	\$0.00
Payments (-):	\$0.00
Total Due:	\$1,570.80



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 12/4/20
4. SET ID VP201211MA		5. POST DATE

PARENT RECORD INFORMATION	
6. VENDOR NAME (Check to be issued to) Colville Electric Co., LLC	7. VENDOR NUMBER V50164
8. ADDR CODE 02	9. Invoice No (MAX = 16 CHARACTERS) 200680
10. Invoice Date 12/4/2020	11. Invoice Amount \$ 1,209.31

CHILD RECORD DETAIL INFORMATION										
General Ledger			Job Ledger		OPTIONAL			19. Amount	20. DIV	21. MISC
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)				
A	8200017M	93002	93002	WO18006	8 1/2 Mile Relief	Job #44150920; Conduit/wiring valves	\$	1,209.31	GEN	
B										
C										
D										
E										
F										
G										

23. Total: \$ **1,209.31**

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	BM/mh	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	12/15/2020
28. Managers:		33. Board Date:	1/11/2021
29. Coordinator:		34. Select For Pay Date:	

Colville Electric Co., LLC

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

Invoice

DATE	12/04/2020
INVOICE #	200680
TERMS	NET 30

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

SERVICE LOCATION
Macomb County DPW Chapton East

JOB#	DATE	PO	DESCRIPTION
44150920	11/17/2020		Install conduit/wiring for valves Completion Notes: 11/16/20- Installed conduit for valves 11/17/20- Pulled in wiring. Installed relays and fuse block. Wired new circuits.

Description	Qty	Rate	Total
RMC 075 3/4" Rigid Conduit	40.00	\$1.65	\$66.00
RMC UNI 075 3/4" RMC Unistrut Strap	5.00	\$1.26	\$6.30
HUB 075 3/4" Meyers Hub	1.00	\$12.49	\$12.49
X MAL 075 3/4" malleable conduit body X	1.00	\$15.25	\$15.25
LB CVR 075 3/4" LB Cover	1.00	\$4.25	\$4.25
LB GSKT 075 3/4" LB Gasket	1.00	\$3.25	\$3.25
RDB 075050 3/4" to 1/2" Reducing Bushing	2.00	\$1.60	\$3.20
1/2" steel cord connector American fitting brand 1/2" trade size, .125" to .650 cable range	2.00	\$2.50	\$5.00
AB 700-HLT1U1 120v Coil Terminal Block Relay	2.00	\$22.60	\$45.20
AB Fuse Holder	1.00	\$12.65	\$12.65
LP CC 10 Low Peak, CC 10 Amp	1.00	\$26.50	\$26.50
14 THHN CU Red	90.00	\$0.15	\$13.50

14 THHN CU White	40.00	\$0.17	\$6.80
14 THHN CU Green	40.00	\$0.18	\$7.20
UNISTRUT 7/8 7/8' Galvanized Unistrut, Slotted	1.00	\$2.22	\$2.22
11/16/2020 - Jared Hayosh			
Labor Time (3hr 41min)		\$90.00/hr	\$331.50
11/16/2020 - Ashley Ranilovich			
Labor Time (1hr 47min)		\$90.00/hr	\$160.50
11/17/2020 - Jared Hayosh			
Labor Time (2hr 42min)		\$90.00/hr	\$243.00
11/17/2020 - Ashley Ranilovich			
Labor Time (2hr 43min)		\$90.00/hr	\$244.50

SUB-TOTAL:	TIME & LABOR:	EXPENSES:	PMTS/DEPS:	TOTAL DUE:
\$229.81	\$979.50	\$0.00	\$0.00	\$1,209.31

CUSTOMER MESSAGE

Invoice Total:	\$1,209.31
Deposits (-):	\$0.00
Payments (-):	\$0.00
Total Due:	\$1,209.31



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 12/22/20
4. SET ID FSB Bill Pay 1/5/21		
5. POST DATE		

6. VENDOR NAME (Check to be issued to) CONSUMERS ENERGY		7. VENDOR NUMBER V01038	8. ADDR CODE 01	9. Invoice No (MAX = 18 CHARACTERS) R1JDT-N32Q9	10. Invoice Date 12/10/2020	11. Invoice Amount \$ 615.39
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CHILD RECORD DETAIL INFORMATION											
Line	General Ledger			Job Ledger		OPTIONAL		19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)				
A	8200017M	92102	CC0004	92102	WO18006	8 1/2 Mile Relief	1000 0005 7313, 11/13-12/10	\$ 615.39	GEN		
B											
C											
D											
E											
F											
G											

REV 09/2018

23. Total: \$ **615.39**

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	BM/mh	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	1/5/2021
28. Managers:		33. Board Date:	1/11/2021
29. Coordinator:		34. Select For Pay Date:	

R15DT-N32Q9

Account: 1000 0005 7313



Questions: Visit: ConsumersEnergy.com Call us: 800-805-0490

Amount Due: \$615.39 Please pay by: January 05, 2021

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

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

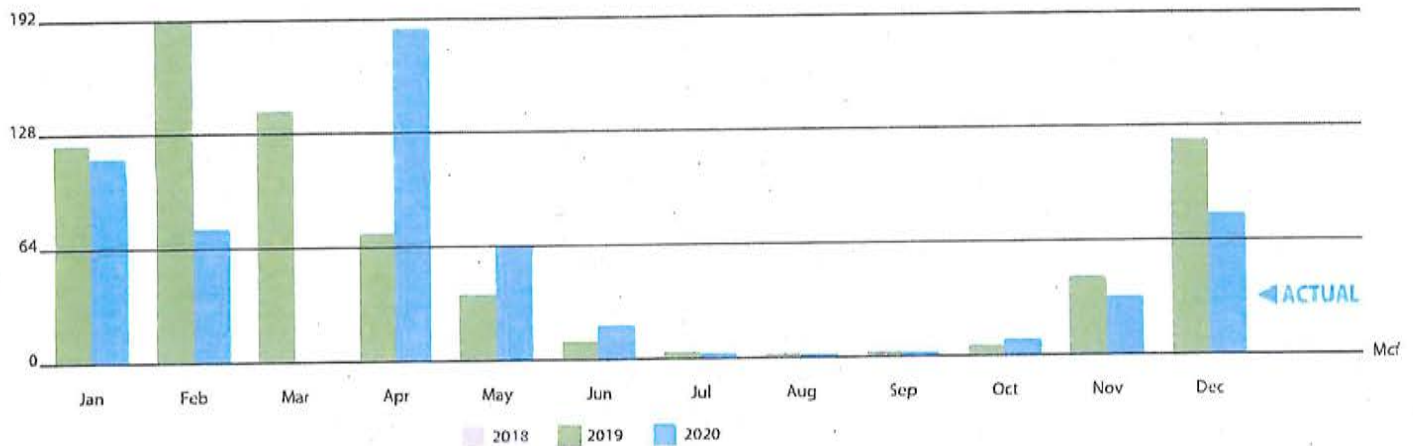
Thank You - We received your last payment of \$331.56 on December 07, 2020

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

December Energy Bill

Service dates: November 13, 2020 - December 10, 2020 (28 days)

Total Natural Gas Use (Mcf - thousand cubic feet)



December Natural Gas Use 78.7 Mcf December 2019 use: 120 Mcf

Cost per day: \$21.98

Mcf per day: 2.811

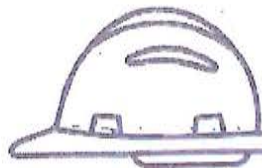
Prior 12 months of gas use: 584 Mcf

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

Your current price is \$1.30 per Mcf, which is determined by the supplier you have chosen and may include more than the gas commodity price regulated by the Michigan Public Service Commission, 14.2734 per Mcf. This is listed under Natural Gas Charges at the back. Questions? Call your supplier at 800-296-2203 or call us at 800-477-5050.

Consumers Energy Employee Identification

Your safety is our top priority. All our employees and contractors carry photo identification. Ask to see it before allowing anyone who claims to be a utility representative into your business. Immediately contact 911 if you observe suspicious activity.





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

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

Account Information

Bill Month: December
Service dates: 11/13/2020 - 12/10/2020
Days Billed: 28
Portion: 12 12/20

Rate Information

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

Meter Information

Your next scheduled meter read
date is on or around 01/12/2021

Gas Service:

AMR Meter
Meter Number: 96482875
POD Number: 000003537725
Beginning Read Date: 11-13
Ending Read Date: 12-10
Beginning Read: 1830
Ending Read: 2609 (Actual)
Differential: 779
Constant: 0.1
Correction factor: 1.01028
Usage: 78.7 Mcf

Total Metered Energy Use: 78.7 Mcf

December Energy Bill

Invoice: 207146092310

Account Summary

Last Month's Account Balance	\$331.56
Payment on December 07, 2020	<u>\$331.56-</u>
Balance Forward	\$0.00

Payments applied after Dec 14, 2020 are not included.

Natural Gas Charges

Customer Charge		\$91.63
Gas Distribution	78.7@ 3.155200	\$248.31
Kratos Gas & Power (800/296-2203)		
Supplier Charge KRI	78.7@ 3.500000	<u>\$275.45</u>
Total Natural Gas		\$615.39
Total Energy Charges		\$615.39

Amount Due: \$615.39
by January 05, 2021

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

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

NEWS AND INFORMATION

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

ALERT - Beware of phone and email scams
regarding utility payments: Consumers Energy

never demands payment using only a prepaid card.
Many options at
www.ConsumersEnergy.com/waystopay



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 1/4/21
4. SET ID NP210104MA		
5. POST DATE		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) Cross Construction Group	7. VENDOR NUMBER V081148	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) WO19082 Est 1
			10. Invoice Date 12/31/2020
			11. Invoice Amount \$ 22,498.20

CHILD RECORD DETAIL INFORMATION										
General Ledger		Job Ledger		OPTIONAL						
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
A	8200017M	80126	80126	WO19082	8 1/2 Mile Relief	Chap Lab & Mezzanine, Est #1	\$ 22,498.20	GEN		
B										
C										
D										
E										
F										
G										

23. Total: \$ **22,498.20** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Retainage recording of \$2,499.80. Total retained to date \$2,499.80

25. Finance Officer:	BMI/mh	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	\$645,278.80; \$2,499.80 Retained
27. Engineers:		32. Staff Date:	1/5/2021
28. Managers:		33. Board Date:	1/11/2021
29. Coordinator:		34. Select For Pay Date:	

V081148 W019082

AIA Type Document
Application and Certification for Payment

DISTRIBUTION
TO:
- OWNER
- ARCHITECT
- CONTRACTOR

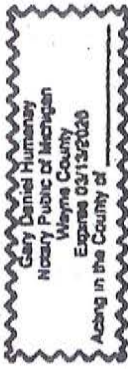
APPLICATION NO: 1
PERIOD TO: 12/31/2020

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

ARCHITECTS
PROJECT NO:

VIA (ARCHITECT):

OWNER (CONTRACTOR): Cross Construction Group
34133 Schoolcraft Rd
Suite 1
Livonia, MI 48150



CONTRACT DATE:

The Undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the owner, and that current payment shown herein is now due.

CONTRACTOR'S APPLICATION FOR PAYMENT
Application is made for Payment, as shown below, in connection with the Contract.
Continuation Sheet, AIA Type Document is attached.

ORIGINAL CONTRACT SUM \$ 667,777.00
Net Change by Change Orders \$ 0.00
CONTRACT SUM TO DATE (Line 1 + 2) \$ 667,777.00
TOTAL COMPLETED AND STORED TO DATE \$ 24,998.00

RETAINAGE:
a. 10.00% of Completed Work \$ 2,499.80
b. 0.00% of Stored Material \$ 0.00
Total retainage (Line 5a + 5b) \$ 2,499.80

TOTAL EARNED LESS RETAINAGE \$ 22,498.20
(Line 4 less Line 5 Total)

LESS PREVIOUS CERTIFICATES FOR PAYMENT \$ 0.00
(Line 6 from prior Certificate)
CURRENT PAYMENT DUE \$ 22,498.20

BALANCE TO FINISH, INCLUDING RETAINAGE \$ 645,278.80
(Line 3 less Line 6)

HANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Changes approved in previous months by Owner	0.00	0.00
Changes approved this Month	0.00	0.00
TOTALS	0.00	0.00
NET CHANGES by Change Order	0.00	0.00

CONTRACTOR: Cross Construction Group
34133 Schoolcraft Rd Suite 1
Livonia, MI 48150

By: Gary Daniel Humenay Date: 12/31/2020

State of: Michigan
County of: Wayne
Subscribed and Sworn to before me this 31st Day of December 20 20
Notary Public: [Signature]
My Commission Expires 3-13-2026

ARCHITECT'S CERTIFICATE FOR PAYMENT

In Accordance with the Contract Documents, based on on-site observations and the data comprising the above application, the Architect certifies to owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED..... \$ 22,498.20

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform to the amount certified.)

ARCHITECT: [Signature] Date: 12/31/2020

By: Steve Wagner - MCPWO
This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, Payment, and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

AIA Type Document
Application and Certification for Payment

TO (OWNER): Macomb County
23001 E. 9 Mile Rd.
St. Clair Shores, MI, MI 48080

PROJECT: Chapalon Lab & Mezzanine
23001 E. 9 Mile Rd.
St. Clair Shores, MI 48080

APPLICATION NO: 1
PERIOD TO: 12/31/2020

DISTRIBUTION
TO:
- OWNER
- ARCHITECT
- CONTRACTOR

FROM (CONTRACTOR): Cross Construction Group
34133 Schoolcraft Rd
Suite 1
Livonia, MI 48150

VIA (ARCHITECT):

ARCHITECTS
PROJECT NO:

CONTRACT FOR:

CONTRACT DATE:

ITEM	DESCRIPTION	SCHEDULE VALUE	PREVIOUS APPLICATIONS	COMPLETED THIS PERIOD	STORED MATERIAL	COMPLETED STORED	%	BALANCE	RETAINAGE
1	Bonds	10,000.00	0.00	10,000.00	0.00	10,000.00	100.00	0.00	1,000.00
2	Insurance	4,000.00	0.00	4,000.00	0.00	4,000.00	100.00	0.00	400.00
3	Project Management	15,000.00	0.00	2,250.00	0.00	2,250.00	15.00	12,750.00	225.00
4	Site Supervision	30,000.00	0.00	3,000.00	0.00	3,000.00	10.00	27,000.00	300.00
5	Dumpsters	3,500.00	0.00	0.00	0.00	0.00	0.00	3,500.00	0.00
6	Submittals	10,000.00	0.00	1,000.00	0.00	1,000.00	10.00	9,000.00	100.00
East Building									
7	Demolition	10,000.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00
8	Metal Stud Framing	4,000.00	0.00	0.00	0.00	0.00	0.00	4,000.00	0.00
9	Doors & Hardware	2,000.00	0.00	0.00	0.00	0.00	0.00	2,000.00	0.00
10	Gyp Board & FRP	2,500.00	0.00	0.00	0.00	0.00	0.00	2,500.00	0.00
11	Ceiling Installation	1,500.00	0.00	0.00	0.00	0.00	0.00	1,500.00	0.00
12	Painting	2,000.00	0.00	0.00	0.00	0.00	0.00	2,000.00	0.00
13	Flooring	8,000.00	0.00	0.00	0.00	0.00	0.00	8,000.00	0.00
14	Lab Casework	24,000.00	0.00	0.00	0.00	0.00	0.00	24,000.00	0.00
15	Mechanical	20,000.00	0.00	0.00	0.00	0.00	0.00	20,000.00	0.00
16	Electrical	8,000.00	0.00	0.00	0.00	0.00	0.00	8,000.00	0.00
17	Plumbing	10,000.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00
Main Building Mezz									
18	Demolition & Abatement	30,000.00	0.00	0.00	0.00	0.00	0.00	30,000.00	0.00
19	Concrete	3,000.00	0.00	0.00	0.00	0.00	0.00	3,000.00	0.00

AIA Type Document
Application and Certification for Payment

TO (OWNER): Macomb County
23001 E. 9 Mile Rd.
St. Clair Shores, MI, MI 48080

PROJECT: Chapalon Lab & Mezzanine
23001 E. 9 Mile Rd.
St. Clair Shores, MI 48080

APPLICATION NO: 1
PERIOD TO: 12/31/2020

DISTRIBUTION
TO:
- OWNER
- ARCHITECT
- CONTRACTOR

FROM (CONTRACTOR): Cross Construction Group
34133 Schoolcraft Rd
Suite 1
Livonia, MI 48150

VIA (ARCHITECT):

ARCHITECT'S
PROJECT NO:

CONTRACT FOR:

CONTRACT DATE:

ITEM	DESCRIPTION	SCHEDULE VALUE	PREVIOUS APPLICATIONS	COMPLETED THIS PERIOD	STORED MATERIAL	COMPLETED STORED	%	BALANCE	RETAINAGE
20	Masonry	8,000.00	0.00	0.00	0.00	0.00	0.00	8,000.00	0.00
21	Structural Steel	17,000.00	0.00	0.00	0.00	0.00	0.00	17,000.00	0.00
22	Metal Stud Framing	30,000.00	0.00	0.00	0.00	0.00	0.00	30,000.00	0.00
23	Milwork Installation	22,000.00	0.00	0.00	0.00	0.00	0.00	22,000.00	0.00
24	Glazing Installation	13,000.00	0.00	0.00	0.00	0.00	0.00	13,000.00	0.00
25	Doors & Hardware	10,000.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00
26	Gyp Board & FRP	20,000.00	0.00	0.00	0.00	0.00	0.00	20,000.00	0.00
27	Painting	7,500.00	0.00	0.00	0.00	0.00	0.00	7,500.00	0.00
28	Ceiling Installation	2,000.00	0.00	0.00	0.00	0.00	0.00	2,000.00	0.00
29	Lockers	4,000.00	0.00	0.00	0.00	0.00	0.00	4,000.00	0.00
30	Kitchen Appliance Install	1,500.00	0.00	0.00	0.00	0.00	0.00	1,500.00	0.00
31	Bathroom Accessories	2,500.00	0.00	0.00	0.00	0.00	0.00	2,500.00	0.00
32	Visual Display Boards	2,000.00	0.00	0.00	0.00	0.00	0.00	2,000.00	0.00
33	Corner Guard Installation	2,000.00	0.00	0.00	0.00	0.00	0.00	2,000.00	0.00
34	Flooring	19,547.00	0.00	0.00	0.00	0.00	0.00	19,547.00	0.00
35	Tile Installation	3,000.00	0.00	0.00	0.00	0.00	0.00	3,000.00	0.00
36	Roller Shade Installation	4,300.00	0.00	0.00	0.00	0.00	0.00	4,300.00	0.00
37	Mechanical	75,000.00	0.00	0.00	0.00	0.00	0.00	75,000.00	0.00
38	Electrical	55,000.00	0.00	0.00	0.00	0.00	0.00	55,000.00	0.00
39	Plumbing	35,000.00	0.00	0.00	0.00	0.00	0.00	35,000.00	0.00

Allowances

AIA Type Document
Application and Certification for Payment

TO (OWNER): Macomb County
23001 E. 9 Mile Rd.
St. Clair Shores, MI, MI 48080

PROJECT: Chapalon Lab & Mezzanine
23001 E. 9 Mile Rd.
St. Clair Shores, MI 48080

APPLICATION NO: 1
PERIOD TO: 12/31/2020

DISTRIBUTION
TO:
- OWNER
- ARCHITECT
- CONTRACTOR

FROM (CONTRACTOR): Cross Construction Group
34133 Schooncraft Rd
Suite 1
Livonia, MI 48150

VIA (ARCHITECT):
ARCHITECTS
PROJECT NO:

CONTRACT FOR:

CONTRACT DATE:

ITEM	DESCRIPTION	SCHEDULE VALUE	PREVIOUS APPLICATIONS	COMPLETED THIS PERIOD	STORED MATERIAL	COMPLETED STORED	%	BALANCE	RETAINAGE
40	Lutz Roofing	6,880.00	0.00	0.00	0.00	0.00	0.00	6,880.00	0.00
41	Abel Electronics	51,683.00	0.00	0.00	0.00	0.00	0.00	51,683.00	0.00
42	Macomb County IT	43,012.00	0.00	0.00	0.00	0.00	0.00	43,012.00	0.00
43	Interior Environment	25,355.00	0.00	0.00	0.00	0.00	0.00	25,355.00	0.00
44	Building Permit	10,000.00	0.00	4,748.00	0.00	4,748.00	47.48	5,252.00	474.80
REPORT TOTALS		\$667,777.00	\$0.00	\$24,998.00	\$0.00	\$24,998.00	3.74	\$642,779.00	\$2,499.80



ONESolution
 ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95337	3. DATE 12/22/20
4. SET ID FSB Bill Pay 12/21/20		
5. POST DATE		

6. VENDOR NAME (Check to be Issued to) DTE Energy	7. VENDOR NUMBER V01270	8. ADDR CODE 08	9. Invoice No (MAX = 16 CHARACTERS) R1KJX-TB4XH	10. Invoice Date 12/7/2020	11. Invoice Amount \$ 8,654.87
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PARENT RECORD INFORMATION											
CHILD RECORD DETAIL INFORMATION											
Line	12. Org Key	13. Object	14. Job Ledger Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22 Sep CK
A	8200017M	92101	CC0004	92101	WO18006	8 1/2 Mile Relief	Acct #9100-0005-3785, 11/9-12/7	\$ 8,654.87	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **8,654.87** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	BM/mh	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	1/5/2021
28. Managers:		33. Board Date:	1/11/2021
29. Coordinator:		34. Select For Pay Date:	

910000053785

00001522870 B

DTE

Payment Coupon

Account Number	910000053785
Due Date:	January 04, 2021
Total Due:	\$15,228.70

12/21/20

RIKJX-TB4XH

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

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

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

Account Information

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

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

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

Programs you are enrolled in:

How to contact us:

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

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

Important Information

DTE

Summary Of Charges

Account Number 9100-0005-3785

Previous Balance as of 11/24/2020	6,573.83
Payment(s) and Credit(s)	0.00
Remaining Balance	6,573.83

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	11/09 - 12/07/20	8,654.87
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$8,654.87

Amount Due on or before Due Date of 01/04/2021 **\$15,228.70**

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



Detail Charges

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

Outage Contact Number: 1-313-235-1300

Invoice: 210001587203

Billing Period: 11/09/2020 through 12/07/2020

Days Billed: 29

Metering Information

Meter Number	Start Date	Start Read	Stop Date	Stop Read	Read Difference	Units Multiplier	Usage Used	Type
6321449	11/09	1.7A	11/22	1.7A	0.0	- 6400.000	0.0	P - Out-V
6321449	11/09	0.0A	11/22	0.0A	0.0	- 6400.000	0.0	P - Out-W
6698937	11/23	0.0A	12/07	0.1A	0.1	- 6400.000	640.0	P - Out-V
6698937	11/23	0.0A	12/07	0.0A	0.0	- 6400.000	0.0	P - Out-W
10056082	11/09	28.6A	12/07	34.5A	5.9	6,400.0000	37,760.0	P - In-V
10056082	11/09	40.4A	12/07	47.9A	7.5	6,400.0000	48,000.0	P - In-W
10056085	11/09	0.0A	12/07	0.0A	0.0	6,400.0000	0.0	P - In-V
10056085	11/09	0.0A	12/07	0.0A	0.0	6,400.0000	0.0	P - In-W
Total KVARH							38,400.00	
Total KWH							48,000.00	

Invoice: 210001587203 Service Name: Chapaton Pumping Station

Item: 7004376662 Cycle: 05

General Service Municipal Pumping-Net Metering Cat1

Billing Status Information

1	On-peak Billing Demand	983	KW	ESTABLISHED	12/04/2020	15:00
3	65% High OP Bill Dmd June-Oct prec 11 mths	969	KW	ESTABLISHED	09/10/2020	11:30
8	Highest Single Billing Demand	983	KW	ESTABLISHED	12/04/2020	15:00
A	Current PV High Monthly Demand	983	KW	ESTABLISHED	12/04/2020	15:00
B	50% of the Contract Capacity for PV	0	KW			
C	Primary Voltage Maximum Demand	6380	KW	ESTABLISHED	07/11/2020	00:00
	Contract Capacity for Location	6738	KW	ESTABLISHED	08/16/2016	05:00
	Power Factor (ratio) for all voltages	79	PCT			
	Total Number of days in the Billing Period	29	DAYS			
	Avg Kilowatthours Used Per Day This Period	1655	KWH			
	Avg Kilowatthours Used Per Day A Year Ago	1340	KWH			
	kWh percentage change from a year ago	24	PCT			
	Metered outflow	0	KWH			
	Net Delivery Billed (inflow)	48000	KWH			
	Net Inflow (In - Out)	48000	KWH			

Charges for 11/09/2020 through 12/07/2020

Power Supply Charges:

Power Supply Energy:							
Power Supply Capacity Charge	48,000	KWH	@ \$	0.0390000	Per Total KWH	1,872.00	
Power Supply Non Capacity Charge	48,000	KWH	@ \$	0.0434500	Per Total KWH	2,085.60	
Surcharges:							
Power Supply Cost Recovery Factor	48,000	KWH	@ \$	0.0016600	Per Total KWH	79.68	
Sub Total:						4,037.28	

Delivery Charges:

Service Charge							
							11.25
Distribution:							
Distribution Energy	48,000	KWH	@ \$	0.0386800	Per Total KWH	1,856.64	
Surcharges:							
Transitional Recovery Mechanism	48,000	KWH	@ \$	0.0014300	Per Total KWH	68.64	
Nuclear Surcharge	48,000	KWH	@ \$	0.0008420	Per Total KWH	40.42	
Energy Waste Reduction	2	MTR	@ \$	69.4100000		138.82	
LIEAF Factor	2	MTR	@ \$	0.9100000		1.82	
Sub Total:						2,117.59	
Special Facilities Charge							2,500.00

Invoice Subtotal

8,654.87

Michigan State Sales Tax On Taxable Portion

0.00

Invoice Total

\$8,654.87



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95337	12/5/20
4. SET ID		
5. POST DATE		
FSB Bill Pay 12/16/20		

PARENT RECORD INFORMATION		
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	11. Invoice Amount
DTE Energy	V01270	6,573.83
8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date
08	R03B3-9Z274	11/8/2020

CHILD RECORD DETAIL INFORMATION										
Line	General Ledger		Job Ledger		16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object						
A	8200017M	92101	CC0004	92101	W018006	8 1/2 Mile Relief	Acct #9100-0005-3785, 10/8-11/8	\$ 6,573.83	GEN	
B										
C										
D										
E										
F										
G										

23. Total: \$ 6,573.83

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	BMM/rmh	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	12/15/2020
28. Managers:		33. Board Date:	1/11/2021
29. Coordinator:		34. Select For Pay Date:	

910000053785

00000657383 B



Payment Coupon

Account Number	910000053785
Due Date:	December 16, 2020
Total Due:	\$6,573.83

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

R03B3-92274

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

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

Account Information

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

Account Number	9100-0005-3785
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DTE-Energy Federal ID No.	38-3217752
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Programs you are enrolled in:

How to contact us:

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

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

Important Information



Summary Of Charges



Account Number 9100-0005-3785

Previous Balance as of 10/20/2020	6,013.56
Payment(s) and Credit(s)	- 6,013.56
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 - 11/08/20	6,573.83
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$6,573.83

Amount Due on or before Due Date of 12/16/2020 **\$6,573.83**

Your current charges are due on December 16, 2020. 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: 210001572445

Billing Period: 10/08/2020 through 11/08/2020

Days Billed: 32

Metering Information

Meter Number	Start Date	Start Read	Stop Date	Stop Read	Read Difference	Units Multiplier	Usage Used	Type
6321449	10/08	1.7A	11/08	1.7A	0.0	- 6400.000	0.0	P - Out-V
6321449	10/08	0.0A	11/08	0.0A	0.0	- 6400.000	0.0	P - Out-W
10056082	10/08	24.3A	11/08	28.6A	4.3	6,400.0000	27,520.0	P - In-V
10056082	10/08	35.5A	11/08	40.4A	4.9	6,400.0000	31,360.0	P - In-W
10056085	10/08	0.0A	11/08	0.0A	0.0	6,400.0000	0.0	P - In-V
10056085	10/08	0.0A	11/08	0.0A	0.0	6,400.0000	0.0	P - In-W
Total KVARH							27,520.00	
Total KWH							31,360.00	

Invoice: 210001572445 Service Name: Chapaton Pumping Station

Item: 7004376662 Cycle: 05

General Service Municipal Pumping-Net Metering Cat1

Billing Status Information

1	On-peak Billing Demand	128	KW	ESTABLISHED	11/04/2020	16:00
3	65% High OP Bill Dmd June-Oct prec 11 mths	969	KW	ESTABLISHED	09/10/2020	11:30
8	Highest Single Billing Demand	133	KW	ESTABLISHED	10/12/2020	23:30
A	Current PV High Monthly Demand	133	KW	ESTABLISHED	10/12/2020	23:30
B	50% of the Contract Capacity for PV	0	KW			
C	Primary Voltage Maximum Demand	6380	KW	ESTABLISHED	07/11/2020	00:00
	Contract Capacity for Location	6738	KW	ESTABLISHED	08/16/2016	05:00
	Power Factor (ratio) for all voltages	75	PCT			
	Total Number of days in the Billing Period	32	DAYS			
	Avg Kilowatthours Used Per Day This Period	980	KWH			
	Avg Kilowatthours Used Per Day A Year Ago	1633	KWH			
	kWh percentage change from a year ago	-40	PCT			
	Metered outflow	0	KWH			
	Net Delivery Billed (inflow)	31360	KWH			
	Net Inflow (In - Out)	31360	KWH			

Charges for 10/08/2020 through 11/08/2020

Power Supply Charges:

Power Supply Energy:						
Power Supply Capacity Charge	31,360	KWH	@ \$	0.0390000	Per Total KWH	1,223.04
Power Supply Non Capacity Charge	31,360	KWH	@ \$	0.0434500	Per Total KWH	1,362.59
Surcharges:						
Power Supply Cost Recovery Factor	31,360	KWH	@ \$	0.0016600	Per Total KWH	52.06
Sub Total:						2,637.69

Delivery Charges:

Service Charge						11.25
Distribution:						
Distribution Energy	31,360	KWH	@ \$	0.0386800	Per Total KWH	1,213.00
Surcharges:						
Transitional Recovery Mechanism	31,360	KWH	@ \$	0.0014300	Per Total KWH	44.84
Nuclear Surcharge	31,360	KWH	@ \$	0.0008420	Per Total KWH	26.41
Energy Waste Reduction	2	MTR	@ \$	69.4100000		138.82
LIEAF Factor	2	MTR	@ \$	0.9100000		1.82
Sub Total:						1,436.14
Special Facilities Charge						2,500.00

Invoice Subtotal

6,573.83

Michigan State Sales Tax On Taxable Portion

0.00

Invoice Total

\$6,573.83



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 12/6/20
4. SET ID FSB Bill Pay 1/4/21		5. POST DATE

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) DTE Energy	7. VENDOR NUMBER V01270	8. ADDR CODE 08	9. Invoice No (MAX = 16 CHARACTERS) ROBPN-YCVV9
		10. Invoice Date 11/30/2020	11. Invoice Amount \$ 550.28

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL		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)	18. Description (MAX = 30 CHARACTERS)				
A	8200017M	92101	CC0004	92101	WO18006	8 1/2 Mile Relief	Ac#9100 0005 6739, 11/1-11/30	\$ 550.28	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **550.28**

REV 09/2016

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	BM/mh	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	12/15/2020
28. Managers:		33. Board Date:	1/11/2021
29. Coordinator:		34. Select For Pay Date:	

910000056739 00000109541 B



Payment Coupon

Account Number	910000056739
Due Date:	January 04, 2021
Total Due:	\$1,085.41

MACOMB COUNTY
21777 DUNHAM RD
CLINTON TWP MI 48036-1005

550.28

ROBPN-YCVV9

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

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

Account Information

MACOMB COUNTY
21777 DUNHAM RD
CLINTON TWP, MI 48036

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

How to contact us: _____

Billing Inquiry 1-734-397-4309

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

Important Information



Summary Of Charges

Account Number 9100-0005-6739

Previous Balance as of 11/02/2020 545.13
 Payment(s) and Credit(s) 0.00
 Remaining Balance \$545.13

*Paid 12/1/20
FSB Bill PAY*

Current Charges

Service Location	Item	Service Type	Rate	Bill Period	Amount
	7004422277	Street Lights OH Standard	EFS_E1UOHS	11/01 - 11/30/20	550.28
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$550.28

Amount Due on or before Due Date of 01/04/2021 \$1,095.41

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



Detail Charges

Invoice: 200112571644 Service Name: Streetlight
 Item: 7004422277 Cycle: 20

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

Billing Status Information

Total Number of days in the Billing Period	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 11/01/2020 through 11/30/2020

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	@ \$	0.0016600	Per Total KWH	3.04
						<u>84.93</u>
Sub Total:						

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
Energy Optimization Surcharge	1		@ \$	69.4100000		69.41
Transitional Recovery Mechanism	1,832	KWH	@ \$	0.0014300	Per Total KWH	2.62
						<u>465.35</u>
Sub Total:						

Invoice Subtotal	550.28
Michigan State Sales Tax On Taxable Portion	0.00
Invoice Total	\$550.28



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	1/4/21
4. SET ID		
s. POST DATE		
VP210104MA		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to)	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date
Hubbell, Roth & Clark, Inc	01	184409	12/16/2020
		11. Invoice Amount	1,214.48

CHILD RECORD DETAIL INFORMATION				OPTIONAL	20. DIV	21. MISC	22. Sep CK					
Line	12. Org Key	13. Object	14. Job Ledger Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount				
A	8200017M	80138	CC0004	80138	WO18350	8 1/2 Mile Relief	Pj#20180363.13, through 11/28/20	\$ 1,214.48	GEN			
B												
C												
D												
E												
F												
G												

23. Total: \$ **1,214.48**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Chapaton Dry Weather and Pump Screen improvements

25. Finance Officer: _____ BM/mh

26. Chief Deputy: _____ 8 1/2 Mile Relief

27. Engineers: _____ \$4.06

28. Managers: _____ 1/5/2021

29. Coordinator: _____ 1/11/2021

30. Drain: _____

31. Project Balance: _____

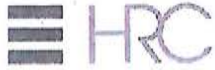
32. Staff Date: _____

33. Board Date: _____

34. Select For Pay Date: _____

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

WORK ORDER NUMBER	18350
PROJECT NUMBER	MCPWO-WWS-2018-RFP-008
PROJECT NAME	Chapaton Dry Weather Pump and Screen Improvements
DRAINAGE DISTRICT	Eight and One-Half Mile Relief Drain
CONSULTANT NAME	Hubbell, Roth & Clark, Inc
INVOICE DATE	12/12/2020
INVOICE START DATE	11/1/2020
INVOICE END DATE	11/28/2020
ORIGINAL CONTRACT AMOUNT	\$ 110,908.00
CHANGE ORDER TOTAL	\$ 97,860.00
Change Order No. 1	
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 208,768.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 207,549.46
TOTAL AMOUNT DUE THIS INVOICE	\$ 1,214.48
TOTAL BUDGET REMAINING	\$ 4.06
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



HUBBELL, ROTH & CLARK, INC.
CONSULTING ENGINEERS
PO BOX 824
BLOOMFIELD HILLS, MICHIGAN 48303-0824
(248) 454-6300

December 16, 2020
 Project No: 20180363.13
 Invoice No: 0184409

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

WO 18350
 CHAPATON DRY WEATHER PUMP AND SCREEN IMPROVEMENTS

PROJECT 20180363.13
 CONSTRUCTION ADMINISTRATION
Professional Services for period ending November 28, 2020

Professional Personnel

	Hours	Amount	
Totals	6.10	853.23	
Total Labor			853.23
Total this Project			\$853.23

PROJECT 20180363.12
 SHOP DRAWINGS

Professional Personnel

	Hours	Amount	
Totals	2.00	297.00	
Total Labor			297.00
Total this Project			\$297.00

PROJECT 20180363.17
 PERIODIC INSPECTION

Professional Personnel

	Hours	Amount	
Totals	1.20	64.25	
Total Labor			64.25
Total this Project			\$64.25

Billing Limits

	Current	Prior	To-Date
Total Billings	1,214.48	96,641.46	97,855.94
Limit			97,860.00
Remaining			4.06

Total Due this Invoice	\$1,214.48
-------------------------------	-------------------

Billing Backup

Wednesday, December 16, 2020

HUBBELL, ROTH & CLARK, INC.

Invoice 0184409 Dated 12/16/2020

7:18:38 AM

Professional Personnel

			Hours		Amount	
01773	CRIST, CHRISTA	11/14/2020	1.00	132.33	132.33	
02275	ROSSELLEY, MICHAEL	11/14/2020	.60	115.26	69.16	
02275	ROSSELLEY, MICHAEL	11/28/2020	.50	115.47	57.74	
02270	URANGA, AARON	11/14/2020	1.00	148.50	148.50	
02270	URANGA, AARON	11/14/2020	2.00	148.50	297.00	
02270	URANGA, AARON	11/14/2020	1.00	148.50	148.50	
	Totals		6.10		853.23	
	Total Labor					853.23
				Total this Project		\$853.23

Professional Personnel

			Hours		Amount	
02270	URANGA, AARON	11/14/2020	1.00	148.50	148.50	
02270	URANGA, AARON	11/14/2020	1.00	148.50	148.50	
	Totals		2.00		297.00	
	Total Labor					297.00
				Total this Project		\$297.00

Professional Personnel

			Hours		Amount	
01942	KALFAYAN, HEATHER	11/14/2020	.70	50.70	35.49	
02466	SCHMIDT, CRISTOPHER	11/14/2020	.50	57.51	28.76	
	Totals		1.20		64.25	
	Total Labor					64.25
				Total this Project		\$64.25
				Total this Report		\$1,214.48



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 12/10/20
4. SET ID V20121MUA		
5. POST DATE		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) JCI JONES CHEMICALS INC	7. VENDOR NUMBER V65297	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 840475
			10. Invoice Date 12/8/2020
			11. Invoice Amount \$ 7,334.66

CHILD RECORD DETAIL INFORMATION									
General Ledger			Job Ledger		OPTIONAL				
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC
A	8200017M	72650	72650	WO18006	8 1/2 Mile Relief	Order #623536; 12/8/20	\$ 7,334.66	GEN	
B									
C									
D									
E									
F									
G									

23. Total: \$ **7,334.66**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	BM/mh	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	12/15/2020
28. Managers:		33. Board Date:	1/1/2021
29. Coordinator:		34. Select For Pay Date:	



www.jcichemicals.com

INVOICE

Inv Date	Invoice #
12/08/2020	840475
Date Shipped	Order/BOL #
12/08/2020	623536

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

Customer Number
 21543215

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

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

Customer PO #		FOB Remark		Freight Terms		Sales ID
VERBAL-CHRIS BENDA		Destination		Delivered		NORTH
Release #		Ship Via	Terms	Due Date	Discount Due Date	
		Harold Marcu	N 30	01/07/2021	1/7/2021	
Units	Package	Product Name	Total Quantity	Unit Price	Amount	
8,134.00	1 Gal Bulk	HYPOCHLORITE SOLUTION, SS150 1201-001 BULK (\$85 Stop Fee) (+ fsc)	8,134.0000/Gal	0.9000 /Gal	7,320.60	
General Remarks:		<> EMAIL INVOICE TO: michelle.houvener@macombgov.org <> OUTSIDE CARRIER: HAROLD MARCUS NET WEIGHT: 82 220 FSC				
		Fuel Surcharge			14.06	

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Total: **7,334.66**

PLEASE PAY
THIS AMOUNT



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



ONESolution
 ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

Mark A. Hackel
 County Executive

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 12/2/20
4. SET ID VP201211MA		
5. POST DATE		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be Issued to) JF Cavanaugh	7. VENDOR NUMBER V67460	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) WO18350 Est 4	10. Invoice Date 11/24/2020	11. Invoice Amount \$ 140,673.87
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CHILD RECORD DETAIL INFORMATION

E	General Ledger		14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22 Sep CK
	Job Ledger	OPTIONAL									
A	8200017M	80126	CC0004	80126	WO18350	8 1/2 Mile Relief	Pump & Screen Imprvmts - 9/4-10/30	\$ 134,429.00	GEN		
B	8200017M	21100	CC0004	21100	WO18350	8 1/2 Mile Relief	Pump & Screen Imprvmts - 9/4-10/30	\$ 6,244.87	GEN		0
C											
D											
F											
G											

REV 09/2018

23. Total: \$ **140,673.87**

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Total retainage to date \$47,068.73

\$60,000 FY2020 Accrual

25. Finance Officer: _____
 26. Chief Deputy: _____
 27. Engineers: _____
 28. Managers: _____
 29. Coordinator: _____

BM/mh

30. Drain: **8 1/2 Mile Relief**
 31. Project Balance: **\$124,897.36 Includes \$47,068.73 Retained)**
 32. Staff Date: **12/1/2020**
 33. Board Date: **12/14/2020**
 34. Select For Pay Date: _____

Contractor's Application for Payment

Owner:	8 1/2 Mile Relief Drain Drainage District	Owner's Project No.:	WWS-2019-022
Engineer:	HRC	Engineer's Project No.:	20180363
Contractor:	J.F. Cavanaugh	Contractor's Project No.:	-
Project:	Chapaton Pump and Screen Improvements		
Contract:	_____		
Application No.:	4	Application Date:	11/24/2020
Application Period:	From 9/4/2020	to	10/30/2020

1. Original Contract Price	\$	1,162,472.00
2. Net change by Change Orders	\$	(96,200.00)
3. Current Contract Price (Line 1 + Line 2)	\$	1,066,272.00
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	\$	941,374.64
5. Retainage		
a. 5% X \$ 941,374.64 Work Completed	\$	47,068.73
b. _____ X \$ - Stored Materials	\$	-
c. Total Retainage (Line 5.a + Line 5.b)	\$	47,068.73
6. Amount eligible to date (Line 4 - Line 5.c)	\$	894,305.91
7. Less previous payments (Line 6 from prior application)	\$	753,632.04
8. Amount due this application	\$	140,673.87 ✓
9. Balance to finish, including retainage (Line 3 - Line 4)	\$	124,897.36

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

Contractor: J.F. Cavanaugh
 Signature: Brian Pass Date: 11/10/2020

Recommended by Engineer	Approved by Owner
By: <u>Aaron Uranga</u>	By: <u>[Signature]</u>
Title: <u>Associate</u>	Title: <u>Construction Engineer</u>
Date: <u>11/10/2020</u>	Date: <u>11-25-2020</u>
Approved by Funding Agency	
By: _____	By: <u>Stephen Downing</u>
Title: _____	Title: <u>Construction & Maintenance Manager</u>
Date: _____	Date: <u>11/30/2020</u>

Balance 124897.36 (includes 47068.73 Retainage held)
 Accrue \$60,000 FY 2020 - FY 2021 @ 80673.87

Progress Estimate - Unit Price Work

Owner: 8 1/2 Mile Relief Drain Drainage District
 Engineer: HRC
 Contractor: J.F. Cavanaugh
 Project: Chapaton Pump and Screen Improvements
 Contract:

Contractor's Application for Payment

Owner's Project No.: WWS-2019-022
 Engineer's Project No.: 20180363
 Contractor's Project No.:

Application No.: 4		Application Period: From 09/04/20 to 10/30/20		Application Date: 11/24/20												
A Bid Item No.	B Description	C Contract Information		D Contract Information		E Unit Price (\$)	F Value of Bid Item (C X E)	G Estimated Quantity Incorporated in the Work	H Value of Work Completed to Date (E X G)	I Materials Currently Stored (net in G)	J Work Completed and Materials Stored to Date (H + I)	K % of Value of Item (J / F)	L Balance to Finish (F - J) (\$)			
		Item Quantity	Units	Item Quantity	Units											
Original Contract																
1	Bonds, Insurance and Mobilization (10% Max)	1	LS	\$	60,500.00	\$	60,500.00	1.00	60,500.00	-	60,500.00	100%	-			
2	Pre-Construction Audio-Visual	1	LS	\$	2,500.00	\$	2,500.00	1.00	2,500.00	-	2,500.00	100%	-			
3	Flow Diversion During Construction Complete - South Side	1	LS	\$	10,650.00	\$	10,650.00	1.00	10,650.00	-	10,650.00	100%	-			
4	Flow Diversion During Construction Complete - North Side	1	LS	\$	10,650.00	\$	10,650.00	1.00	10,650.00	-	10,650.00	100%	-			
5	New Stop Logs, Guides and Related Structural Improvements	1	LS	\$	49,950.00	\$	49,950.00	1.00	49,950.00	-	49,950.00	100%	-			
6	New Stop Logs, Guides and Related Structural Improvements	1	LS	\$	86,250.00	\$	86,250.00	1.00	86,250.00	-	86,250.00	100%	-			
7	Remove Existing Bar Rack and Install New - South Side	1	LS	\$	158,620.00	\$	158,620.00	1.00	158,620.00	-	158,620.00	100%	-			
8	Remove Existing Bar Rack and Install New - North Side	1	LS	\$	158,620.00	\$	158,620.00	1.00	158,620.00	-	158,620.00	100%	-			
9	Access Hatch Revisions in Screen Room	1	LS	\$	89,433.00	\$	89,433.00	1.00	89,433.00	-	89,433.00	100%	-			
10	Guardrail Revisions in Screen Room	1	LS	\$	16,638.00	\$	16,638.00	1.00	16,638.00	-	16,638.00	100%	-			
11	18C Ladders in Screen Room	1	LS	\$	12,618.00	\$	12,618.00	0.78	9,850.00	-	9,850.00	78%	2,768.00			
12	Core Through Wet Well Wall	1	LS	\$	3,960.00	\$	3,960.00	1.00	3,960.00	-	3,960.00	100%	-			
13	Concrete Collar in Wet Well	1	LS	\$	13,712.00	\$	13,712.00	1.00	13,712.00	-	13,712.00	100%	-			
14	Through Wall Pipe Penetration	1	LS	\$	6,203.00	\$	6,203.00	1.00	6,203.00	-	6,203.00	100%	-			
15	North Dry Well Demolition Work	1	LS	\$	24,863.00	\$	24,863.00	1.00	24,863.00	-	24,863.00	100%	-			
16	Install new Owner Furnished Pump	1	LS	\$	9,843.00	\$	9,843.00	0.45	4,420.00	-	4,420.00	45%	5,423.00			
17	Electrical Upgrades for Added Pump	1	LS	\$	46,247.00	\$	46,247.00	0.87	40,400.00	-	40,400.00	87%	5,847.00			
18	New Concrete Pump Bases	2	EA	\$	6,953.00	\$	13,906.00	2.00	13,906.00	-	13,906.00	100%	-			
19	Reconfigure Existing Pump	1	LS	\$	5,200.00	\$	5,200.00	0.77	4,000.00	-	4,000.00	77%	1,200.00			
20	New Piping, valves and fittings, in Wet Well	1	LS	\$	212,044.00	\$	212,044.00	0.90	190,848.64	-	190,848.64	90%	21,195.36			
21	Pressure gauges and assemblies	4	EA	\$	660.00	\$	2,640.00	2.00	1,320.00	-	1,320.00	50%	1,320.00			
22	Jib Crane Addition in North Dry Well	1	LS	\$	29,355.00	\$	29,355.00	1.00	29,355.00	-	29,355.00	100%	-			
23	Electrical Upgrade for Jib Crane	1	LS	\$	3,966.00	\$	3,966.00	1.00	3,966.00	-	3,966.00	100%	-			
24	Access Stairway	1	LS	\$	48,204.00	\$	48,204.00	0.18	8,568.00	-	8,568.00	18%	39,636.00			
25	Access Platform Revisions	1	LS	\$	11,330.00	\$	11,330.00	1.00	11,330.00	-	11,330.00	100%	-			
26	New Pressure Manholes at Elevation 551 - Complete	4	EA	\$	8,135.00	\$	32,540.00	3.20	26,032.00	-	26,032.00	80%	6,508.00			
27	Core Infill at Elevation 551	1	LS	\$	1,030.00	\$	1,030.00	1.00	1,030.00	-	1,030.00	100%	-			
28	Core at Patch Repair Type 1	28	EA	\$	200.00	\$	5,600.00	-	-	-	-	0%	5,600.00			
29	Pressure Injection of Cracks Type 2A (Non-Weeping)	150	LF	\$	50.00	\$	7,500.00	-	-	-	-	0%	7,500.00			
30	Pressure Injection of Cracks Type 2B (Weeping)	50	LF	\$	50.00	\$	2,500.00	-	-	-	-	0%	2,500.00			
31	Concrete Surface Repair Type 3 - Up to 1" Depth	16	SF	\$	400.00	\$	6,400.00	-	-	-	-	0%	6,400.00			
32	Concrete Surface Repair Type 3 - 1" to 3" Depth	10	SF	\$	400.00	\$	4,000.00	-	-	-	-	0%	4,000.00			
33	Concrete Surface Repair Type 3 - Greater than 3"	5	SF	\$	400.00	\$	2,000.00	-	-	-	-	0%	2,000.00			
34	Existing Guardrail Removal Repair Type 4	15	EA	\$	200.00	\$	3,000.00	-	-	-	-	0%	3,000.00			
35	Allowance for M&E Work at PLC	1	ALLOW	\$	10,000.00	\$	10,000.00	-	-	-	-	0%	10,000.00			
Original Contract Totals										\$	1,037,574.64	\$	1,037,574.64	89%	\$	124,897.36

Progress Estimate - Unit Price Work

Owner: 8 1/2 Mile Relief Drain Drainage District
 Engineer: HRC
 Contractor: J.F. Cavanaugh
 Project: Chapaton Pump and Screen Improvements
 Contract:

Contractor's Application for Payment

Owner's Project No.: WWS-2019-022
 Engineer's Project No.: 20180363
 Contractor's Project No.:

Application No.: 4		Application Period: From 09/04/20 to 10/30/20		Application Date: 11/24/20								
A Bid Item No.	B Description	C Item Quantity	D Units	E Contract Information		F Value of Bid Item (C X E)	G Estimated Quantity Incorporated in the Work	H Value of Work Completed to Date (E X G)	I Materials Currently Stored (not in G)	J Work Completed and Materials Stored to Date (H + I)	K % of Value of Item (J / F)	L Balance to Finish (F - J)
				Unit Price (\$)	(\$)							
1	Flash Boards	1.00	LS	40,000.00		40,000.00	1.00	40,000.00		40,000.00	100%	-
2	Delete Stop Loops (Items 5 and 6)	1.00	LS	(136,200.00)		(136,200.00)	1.00	(136,200.00)		(136,200.00)	100%	-
				Change Order Totals \$		\$ (96,200.00)		\$ (96,200.00)		\$ (96,200.00)	100%	\$ -
				Original Contract and Change Orders		\$ 1,056,272.00		\$ 941,374.64		\$ 941,374.64	88%	\$ 124,897.36
				Project Totals \$		\$ 1,056,272.00		\$ 941,374.64		\$ 941,374.64	88%	\$ 124,897.36

Contractor's Application for Payment

Stored Materials Summary

Owner: 8 1/2 Mile Relief Drain Drainage District
 Engineer: IIRC
 Contractor: J.F. Czernausch
 Project: Chabaton Pump and Screen Improvements
 Contract:

Owner's Project No.: WWS-2019-022
 Engineer's Project No.: 20180363
 Contractor's Project No.:

Application No.: 4 Application Period: From 09/04/20 to 10/30/20 Application Date: 11/24/20

A Item No. (Lump Sum Tab) or Bid Item No. (Unit Price Tab)	B Supplier Invoice No.	C Submittal No. (with Specification Section No.)	D Description of Materials or Equipment Stored	E Storage Location	F Application No. When Materials Placed in Storage	G Materials Stored		H Amount Stored this Period (\$)	I Amount Stored to Date (G+H) (\$)	J Amount Previously Incorporated in the Work (\$)	K Incorporated in Work Amount Incorporated in the Work this Period (\$)	L Total Amount Incorporated in the Work (J+K) (\$)	M Materials Remaining in Storage (L-I) (\$)
						Previous Amount Stored (\$)	Amount Stored (\$)						
20	20201222	009 - 15100	Bonnitted Knife Gates	JFC Shop	2	126,349.44	126,349.44	126,349.44	126,349.44	126,349.44	126,349.44	126,349.44	-
20	20201311	010 - 15100	Swing Check Valves	JFC Shop	2	9,649.20	9,649.20	9,649.20	9,649.20	9,649.20	9,649.20	9,649.20	-
						Totals	\$	135,998.64	\$	135,998.64	\$	135,998.64	\$

APPLICATION AND CERTIFICATION FOR PAYMENT

AIA DOCUMENT G702

TO OWNER: PROJECT: APPLICATION NO: APPLICATION DATE: November 10, 2020
 8 1/2 Mile Relief Drain Drainage Distri Chapaton Pump Station Dry Weather Pump CP 4

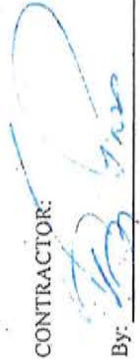
FROM CONTRACTOR: VIA ARCHITECT: PERIOD TO: 30-Oct-20
 J.F. Cavanaugh Company Hubbell, Roth and Clark, Inc.
 20750 Sunnydale, Farm. Hls. MI 48336 535 Griswold Street, Suite 1650, Detroit MI 48226
 CONTRACT FOR: Chapaton Pump Station CONTRACT DATE 16-Jul-20

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract. Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL CONTRACT SUM \$ 1,162,472.00
2. Net change by Change Orders \$ (96,200.00)
3. CONTRACT SUM TO DATE (Line 1 + 2) \$ 1,066,272.00
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703) \$ 911,371.61
5. RETAINAGE:
 - a. 5 % of Completed Work \$ 47,068.73
 - b. % of Stored Material \$
- 50 Total Retainage (Lines 5a + 5b or (Column F on G703) \$
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total) \$ 88.90%
 \$ 894,305.91
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate) \$ 753,632.04
8. CURRENT PAYMENT DUE \$ 140,673.87
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6) \$ 171,966.09

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	\$0.00	
Total approved this Month	\$40,000.00	(\$136,200.00)
TOTALS	\$40,000.00	(\$136,200.00)
NET CHANGES by Change Order		(\$96,200.00)

CONTRACTOR: 

By: J.F. Cavanaugh Date: 11/09/2020

State of: Michigan County of: Wayne
 Notary Public:
 My Commission expires:

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED\$

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)
 ARCHITECT:

By: Date:
 This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

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CONTINUATION SHEET

AIA DOCUMENT G703

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO: 4
APPLICATION DATE: 3-Nov-20
PERIOD TO: 30-Oct-20

Project: Chapaton Pump Station Dry Weather Pump and Screen Improvements

A ITEM NO.	B DESCRIPTION OF WORK	C UNITS	D UNIT PRICE	E EXTENSION	F WORK COMPLETED		G MATERIALS PRESENTLY STORED	H TOTAL COMPLETED AND STORED TO DATE	I %	J BALANCE TO FINISH	K RETAINAGE (IF VARIABLE RATE)
					FROM PREVIOUS APPLICATION	THIS PERIOD					
1	Bonds, Insurance, Mobilization	1	\$ 60,500.00	\$ 60,500.00	\$ -	\$ 60,500.00	\$ -	\$ 60,500.00	100.00%	\$ -	\$ -
2	Pre-Construction Audio Video	1	\$ 2,500.00	\$ 2,500.00	\$ -	\$ 2,500.00	\$ -	\$ 2,500.00	100.00%	\$ -	\$ -
3	Flow Diversion During Construction - South Side	1	\$ 10,650.00	\$ 10,650.00	\$ -	\$ 10,650.00	\$ -	\$ 10,650.00	100.00%	\$ -	\$ -
4	Flow Diversion During Construction - North Side	1	\$ 10,650.00	\$ 10,650.00	\$ -	\$ 10,650.00	\$ -	\$ 10,650.00	100.00%	\$ -	\$ -
5	New Stop Logs, Guides, Realigned Str - South Side	1	\$ 49,950.00	\$ 49,950.00	\$ -	\$ 49,950.00	\$ -	\$ 49,950.00	100.00%	\$ -	\$ -
6	New Stop Logs, Guides, Realigned Str - North Side	1	\$ 86,250.00	\$ 86,250.00	\$ -	\$ 86,250.00	\$ -	\$ 86,250.00	100.00%	\$ -	\$ -
7	Remove Existing Bar Rack, Install New - South Side	1	\$ 158,260.00	\$ 158,260.00	\$ -	\$ 158,260.00	\$ -	\$ 158,260.00	100.00%	\$ -	\$ -
8	Remove Existing Bar Rack, Install New - North Side	1	\$ 158,260.00	\$ 158,260.00	\$ -	\$ 158,260.00	\$ -	\$ 158,260.00	100.00%	\$ -	\$ -
9	Access Revisions in Screen Room	1	\$ 89,433.00	\$ 89,433.00	\$ -	\$ 89,433.00	\$ -	\$ 89,433.00	100.00%	\$ -	\$ -
10	Guardrail Revision in Screen Room	1	\$ 16,638.00	\$ 16,638.00	\$ -	\$ 16,638.00	\$ -	\$ 16,638.00	100.00%	\$ -	\$ -
11	I&C Upgrades in Screen Room	1	\$ 12,618.00	\$ 12,618.00	\$ -	\$ 12,618.00	\$ -	\$ 12,618.00	78.06%	\$ 2,768.00	\$ -
12	Core Through Wet Well Wall	1	\$ 3,960.00	\$ 3,960.00	\$ -	\$ 3,960.00	\$ -	\$ 3,960.00	100.00%	\$ -	\$ -
13	Concrete Collar in Wet Well	1	\$ 13,712.00	\$ 13,712.00	\$ -	\$ 13,712.00	\$ -	\$ 13,712.00	100.00%	\$ -	\$ -
14	Through Wall Pipe Penetration	1	\$ 6,203.00	\$ 6,203.00	\$ -	\$ 6,203.00	\$ -	\$ 6,203.00	100.00%	\$ -	\$ -
15	North Dry Well Demolition Work	1	\$ 24,863.00	\$ 24,863.00	\$ -	\$ 24,863.00	\$ -	\$ 24,863.00	100.00%	\$ -	\$ -
16	Install New Owner Furnished Pump	1	\$ 9,843.00	\$ 9,843.00	\$ -	\$ 9,843.00	\$ -	\$ 9,843.00	44.91%	\$ 5,423.00	\$ -
17	Electrical Upgrades for Added Pump	1	\$ 46,247.00	\$ 46,247.00	\$ -	\$ 46,247.00	\$ -	\$ 46,247.00	87.36%	\$ 5,847.00	\$ -
18	New Concrete Pump Bases	1	\$ 13,906.00	\$ 13,906.00	\$ -	\$ 13,906.00	\$ -	\$ 13,906.00	100.00%	\$ -	\$ -
19	Reconfigure Existing Pump	1	\$ 5,200.00	\$ 5,200.00	\$ -	\$ 5,200.00	\$ -	\$ 5,200.00	76.92%	\$ 1,200.00	\$ -
20	New Piping, valves, and fittings, in Wet Well	1	\$ 212,044.00	\$ 212,044.00	\$ -	\$ 212,044.00	\$ -	\$ 212,044.00	90.00%	\$ 21,195.36	\$ -
21	Pressure Gauges and Assemblies	1	\$ 2,640.00	\$ 2,640.00	\$ -	\$ 2,640.00	\$ -	\$ 2,640.00	50.00%	\$ 1,320.00	\$ -
22	Jib Crane Addition in North Dry Well	1	\$ 29,355.00	\$ 29,355.00	\$ -	\$ 29,355.00	\$ -	\$ 29,355.00	100.00%	\$ -	\$ -
23	Electrical Upgrade for Jib Crane	1	\$ 3,966.00	\$ 3,966.00	\$ -	\$ 3,966.00	\$ -	\$ 3,966.00	100.00%	\$ -	\$ -
24	Access Stairway	1	\$ 48,204.00	\$ 48,204.00	\$ -	\$ 48,204.00	\$ -	\$ 48,204.00	17.77%	\$ 39,636.00	\$ -
25	Access Platform Revisions	1	\$ 11,330.00	\$ 11,330.00	\$ -	\$ 11,330.00	\$ -	\$ 11,330.00	100.00%	\$ -	\$ -
26	New Pressure Manholes at EL 551 - Complete	1	\$ 32,540.00	\$ 32,540.00	\$ -	\$ 32,540.00	\$ -	\$ 32,540.00	100.00%	\$ -	\$ -
27	Core Fill at Elevation 551	1	\$ 1,030.00	\$ 1,030.00	\$ -	\$ 1,030.00	\$ -	\$ 1,030.00	80.00%	\$ 6,508.00	\$ -
28	Core at Patch Repair Type 1	28	\$ 200.00	\$ 5,600.00	\$ -	\$ 5,600.00	\$ -	\$ 5,600.00	0.00%	\$ 5,600.00	\$ -
29	Pressure Inj of Cracks Type 2A (Non-Weeping)	150	\$ 50.00	\$ 7,500.00	\$ -	\$ 7,500.00	\$ -	\$ 7,500.00	0.00%	\$ 7,500.00	\$ -
30	Pressure Injection of Cracks Type 2A (Weeping)	50	\$ 50.00	\$ 2,500.00	\$ -	\$ 2,500.00	\$ -	\$ 2,500.00	0.00%	\$ 2,500.00	\$ -
31	Concrete Surface Repair Type 3 - Up to 1" Depth	16	\$ 400.00	\$ 6,400.00	\$ -	\$ 6,400.00	\$ -	\$ 6,400.00	0.00%	\$ 6,400.00	\$ -
32	Concrete Surface Repair Type 3 - 1" to 3" Depth	10	\$ 400.00	\$ 4,000.00	\$ -	\$ 4,000.00	\$ -	\$ 4,000.00	0.00%	\$ 4,000.00	\$ -
33	Conc Surface Repair Type 3 - Greater than 3" Depth	5	\$ 400.00	\$ 2,000.00	\$ -	\$ 2,000.00	\$ -	\$ 2,000.00	0.00%	\$ 2,000.00	\$ -
34	Existing Guardrail Removal Repair Type 4	15	\$ 200.00	\$ 3,000.00	\$ -	\$ 3,000.00	\$ -	\$ 3,000.00	0.00%	\$ 3,000.00	\$ -
35	Allowance for MCET Work at PLC	1	\$ 10,000.00	\$ 10,000.00	\$ -	\$ 10,000.00	\$ -	\$ 10,000.00	0.00%	\$ 10,000.00	\$ -
CO#1	Flashboards	1	\$ 40,000.00	\$ 40,000.00	\$ -	\$ 40,000.00	\$ -	\$ 40,000.00	100.00%	\$ -	\$ -
CO#2	Deletion of Stop Logs	1	\$ (136,200.00)	\$ (136,200.00)	\$ -	\$ (136,200.00)	\$ -	\$ (136,200.00)	100.00%	\$ -	\$ -
SUB TOTALS				\$ 1,066,272.00	\$ 806,945.64	\$ 134,429.00	\$ -	\$ 941,374.64	88.29%	\$ 124,897.36	\$ -

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AIA DOCUMENT G703 - CONTINUATION SHEET FOR G702 - 1992 EDITION - AIA - 61992

THE AMERICAN INSTITUTE OF ARCHITECTS, 1735 NEW YORK AVENUE, N.W. WASHINGTON, D.C. 20005-5232

G703-1992



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 12/4/20
4. SET ID VP201207 MUA		
5. POST DATE		

6. VENDOR NAME (Check to be issued to) State of MI		7. VENDOR NUMBER V04719	8. ADDR CODE DA	9. Invoice No (MAX = 16 CHARACTERS) 761-10591520	10. Invoice Date 12/1/2020	11. Invoice Amount \$ 6,000.00
--	--	-----------------------------------	---------------------------	--	--------------------------------------	--

PARENT RECORD INFORMATION				CHILD RECORD DETAIL INFORMATION			
General Ledger		Job Ledger		OPTIONAL			
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount
A	8200017M	96901	96901	WO18006	8 1/2 Mile Relief	NPDES Annual Permit Fee	\$ 6,000.00
B							
C							
D							
E							
F							
G							

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

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
NPDES Annual Permit Fee

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:	12/15/2020
28. Managers:		33. Board Date:	1/11/2020
29. Coordinator:		34. Select For Pay Date:	



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:	761-10591520
Customer Id:	182955
Invoice Date:	December 01, 2020
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, 2021 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, 2021

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
761-10591520
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

Total Due: **\$6,000.00**



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	12/4/20
4. SET ID	5. POST DATE	
V201211MA		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)
Tetra Tech, Inc.	V16060	02	51672316
			10. Invoice Date
			12/3/2020
			11. Invoice Amount
			102,559.50

CHILD RECORD DETAIL INFORMATION										
12. Org Key	13. Object	14. Job Ledger Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
A	8200017C	80138	80138	WO19004	8 1/2 Mile Relief	Pjt #200-16347-19001 thru 11/20/20	\$ 102,559.50	GEN		
B										
C										
D										
E										
F										
G										

23. Total: \$ 102,559.50

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
In-System Storage Devices - MEDC GRANT BALANCE \$817,831.18

25. Finance Officer: _____ BM/mh

26. Chief Deputy: _____

27. Engineers: _____

28. Managers: _____

29. Coordinator: _____

30. Drain: 8 1/2 Mile Relief

31. Project Balance: \$564,608.85

32. Staff Date: 12/15/2020

33. Board Date: 1/11/2021

34. Select For Pay Date: _____

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

WORK ORDER NUMBER	WO19004	
PROJECT NUMBER	WWS-2019-003	(Tetra Tech# 200-16347-19001)
PROJECT NAME	In-System Storage Devices	
DRAINAGE DISTRICT	Eight and One-Half Mile Relief Drain Drainage District	
CONSULTANT NAME	Tetra Tech of Michigan	
INVOICE DATE	12/03/2020 (INVOICE 51672316)	
INVOICE START DATE	10/24/2020	
INVOICE END DATE	11/20/2020	
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	\$	763,364.65
TOTAL AMOUNT DUE THIS INVOICE	\$	102,559.50
TOTAL BUDGET REMAINING	\$	564,608.85
(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: 51672316
INVOICE DATE: 12/03/2020
SERVICES THROUGH: 11/20/2020
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	01AS	Project Management Subcontractors		
SUBCONTRACTOR		TYPE		CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC		Subcontractor-External		\$1,060.15
TOTAL SUBCONTRACTOR CHARGES				\$1,060.15
		SUBTOTAL		\$1,060.15
		Total Top Task# 01AS		\$1,060.15
Top Task	01BS	Infrastructure Survey Subcontractors		
SUBCONTRACTOR		TYPE		CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC		Subcontractor-External		\$1,330.35
TOTAL SUBCONTRACTOR CHARGES				\$1,330.35
		SUBTOTAL		\$1,330.35
		Total Top Task# 01BS		\$1,330.35
Top Task	01CS	Utility Survey Subcontractors		
SUBCONTRACTOR		TYPE		CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC		Subcontractor-External		\$457.00
TOTAL SUBCONTRACTOR CHARGES				\$457.00
		SUBTOTAL		\$457.00
		Total Top Task# 01CS		\$457.00
Top Task	02A	Project Management / Design		
EMPLOYEE		TITLE	CURRENT LABOR HOURS	LABOR RATE
Rubel, Brian M.		Program Manager	20.00	\$225.00
TOTAL LABOR			20.00	\$4,500.00
		SUBTOTAL		\$4,500.00
		Total Top Task# 02A		\$4,500.00

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

INVOICE NUMBER: 51672316
INVOICE DATE: 12/03/2020
SERVICES THROUGH: 11/20/2020
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Top Task	02B	Design	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
EMPLOYEE		TITLE			
Biagi, James Q.		Project Manager 2	6.00	\$225.00	\$1,350.00
Biagi, James Q.		Sr Architect 1	1.00	\$225.00	\$225.00
Boehmke, Brett		Engineer 2	30.00	\$115.00	\$3,450.00
Christian, Patricia		Sr Project Administrator	4.00	\$125.00	\$500.00
Geerlings, Eric P.		Project Engineer 1	93.00	\$155.00	\$14,415.00
Graf, Mitchell J.		Project Manager.2	5.75	\$200.00	\$1,150.00
Hourigan, Tricia M.		Sr CAD Designer 1	56.00	\$140.00	\$7,840.00
Johnston, Jeffrey		Engineer 2	33.50	\$115.00	\$3,852.50
Kaliman, Roger G.		Sr Engineer 1	63.50	\$180.00	\$11,430.00
Lortz, Thomas J.		CAD Designer	75.00	\$140.00	\$10,500.00
Maddela, Titus J.		Engineer 3	2.00	\$150.00	\$300.00
Martinez, Lorenzo		CAD Designer	0.50	\$140.00	\$70.00
Melling, Vickie L.		CAD Technician 3	28.00	\$80.00	\$2,240.00
Newman, Thomas S.		Architect	6.00	\$137.00	\$822.00
Newman, Thomas S.		Architect 2	30.00	\$137.00	\$4,110.00
Paison, William A.		Sr Engineer 1	19.00	\$215.00	\$4,085.00
Perrin, Paul C.		Project Engineer 2	4.50	\$115.00	\$517.50
Senecal, Cynthia A.		Sr CAD Designer 1	30.00	\$140.00	\$4,200.00
Shetty, Sohan P.		Engineer 2	42.00	\$105.00	\$4,410.00
Sissoko, Moussa D.		Project Engineer 2	14.00	\$200.00	\$2,800.00
Sissoko, Moussa D.		Sr Engineer 2	6.00	\$200.00	\$1,200.00
Tervo, Jeffrey A.		CAD Designer	16.00	\$140.00	\$2,240.00
Tervo, Jeffrey A.		CAD Technician 2	20.00	\$140.00	\$2,800.00
Weston, Cynthia A.		Project Administrator	19.50	\$90.00	\$1,755.00
TOTAL LABOR			605.25		\$86,262.00
			SUBTOTAL		\$86,262.00
			Total Top Task# 02B		\$86,262.00

Top Task	02BS_FTCH	Design - Subcontractor FTCH	CURRENT LABOR AMOUNT
SUBCONTRACTOR		TYPE	
FISHBECK THOMPSON CARR & HUBER INC		Subcontractor-External	\$6,500.00
TOTAL SUBCONTRACTOR CHARGES			\$6,500.00
			SUBTOTAL
			\$6,500.00
			Total Top Task# 02BS_FTCH
			\$6,500.00

Top Task	02B_TCI	Design	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
EMPLOYEE		TITLE			
Robitaille, Luc		Engineer 3	5.50	\$250.00	\$1,375.00
Tremblay, Simon		Sr Engineer I&C	5.00	\$215.00	\$1,075.00
TOTAL LABOR			10.50		\$2,450.00
			SUBTOTAL		\$2,450.00

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

INVOICE NUMBER: 51672316
INVOICE DATE: 12/03/2020
SERVICES THROUGH: 11/20/2020
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Total Top Task# 02B_TCI \$2,450.00

Total Project# 200-16347-19001 \$102,559.50

TOTAL AMOUNT DUE THIS INVOICE: \$102,559.50

Gross Contract Summary	
Contract Amount	\$1,430,533.00
Previously Billed	\$763,364.65
Current Billing	\$102,559.50
Total Billed to Date	\$865,924.15
Contract Balance Remaining	\$564,608.85

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.



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. 1166522:5

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

Invoice : 396131
 Invoice Date : 11/4/2020
 Project : 200732
 Project Name : Macomb Co PW/In-system Storage
 Design Phase
 Bill Term : 1

For Professional Services Rendered Through 10/30/2020

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1C - 8.5 Mile Utility Survey	96,524.00	81,507.00	21,517.00	15,017.00	6,500.00
Rate Labor		6,500.00			
				Current Billings	6,500.00
				Amount Due This Bill	6,500.00

OK to pay when paid
 B Rubel
 11/6/20

103976
 200-16347-19001.02BS-FTCH
 SUB. EXT
 200 TEL AA

NOV 13 2020

TETRA TECH

PWD

1 - Task 1C - 8.5 Mile Utility Survey

Rate Labor

<u>Class</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Senior Engineer	33.00	130.0000	4,290.00
	1.00	175.0000	175.00
Total Senior Engineer	34.00		4,465.00
Senior Technician	18.50	110.0000	2,035.00
		Total Rate Labor	6,500.00
Total Bill Task: 1 - Task 1C - 8.5 Mile Utility Survey			6,500.00

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

6,500.00



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. 1166522:3 - 1060.15
 1166522:4 - 457.00
 1166522:2 - 1330.35*

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

Invoice: 396145
 Invoice Date: 11/4/2020
 Project: 190884
 Project Name: Macomb Co PW/In-system Storage
 Bill Term: 1

For Professional Services Rendered Through 10/30/2020

	Fee	Available	Billings		
			To Date	Previous	Current
1.A - Task 1A - 8.5 Mile Project Management	4,493.85	0.00	4,493.85	4,493.85	0.00
1.B - Task 1B - 8.5 Mile Infrastructure Survey	65,938.40	0.00	65,938.40	65,938.40	0.00
1.C - Task 1C - 8.5 Mile Utility Survey	16,392.00	0.00	16,392.00	16,392.00	0.00
1.D - Task 1D - 8.5 Mile BOD/Addit Survey	25,042.75	9,593.75	18,296.50	15,449.00	2,847.50
Rate Labor		2,847.50			
				Current Billings	2,847.50
				Amount Due This Bill	2,847.50

103976

200-16347-19001, OIDS

SUB-EXT

200 FEW AA

*OK to pay when paid
 B. Rubel
 11/6/20*

NOV 13 2020

TETRA TECH

PHP

1.D - Task 1D - 8.5 Mile BOD/Addit Survey

Rate Labor

<u>Class</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Senior Engineer	3.50	175.0000	612.50
Senior Engineering Specialist	1.00	147.0000	147.00
Senior Technician	19.00	105.0000	1,995.00
Technician	1.00	93.0000	93.00
	Total Rate Labor		2,847.50
Total Bill Task: 1.D - Task 1D - 8.5 Mile BOD/Addit Survey			2,847.50

Total Project: 190884 - Macomb Co PW/In-system Storage

2,847.50



PROJECT STATUS COMMUNICATION

DATE: December 3, 2020

PREPARED BY: Brian Rubel / Eric Geerlings

PROJECT: Macomb Co. In-System Storage Devices

Tt PROJECT NO: 200-16347-19001 CONTACT: Mr. Vince Astorino / Mr. Steve Rozycki
(INVOICE 51672316)

Tasks completed or in-progress since last status communication.

- Submitted 60% design deliverables (drawings, specifications, cost opinion, real-time control summary, and draft EGLE BOD).
- Researched alternate venting sites that would be needed if storing water above the crown as requested by MCPWO.
- Facilitated meetings and FTP site between Arcon and MCPWO for the inflatable sewer gate (ISG) scale model testing phase.
- Provided updated estimates of construction schedule duration.
- Provided a risk register for MCPWO to use when budgeting for contingency.
- Coordinated with Arcon for selection of ISG equipment manufacturers for the control building.
- Summarized options for bypass pumping approach, and fine-tuned hydraulic calculations related to bypass and sluice gate flows.
- Received and reviewed 60% design drawings comments from MCPWO.

Opportunities for cost avoidance or added value.

Adding venting sites that were not included in the 30% and 60% design drawings can provide more in-system storage volume than baseline project estimates. This is particularly true for the area just upstream of Welsh Family Park. The one caveat is that this added value assumes the Arcon ISG scale model testing phase confirms storage levels above the crown of the 8 1/2 Mile Relief Drain are feasible.

Impediments, roadblocks, assistance needed.

Feedback from and alignment with MCPWO is needed regarding the venting sites. To avoid duplicating Planning Commission reviews and public meetings within St. Clair Shores and Eastpointe, it is recommended to include all sites in the drawing packages submitted. Decisions made by MCPWO to add or change locations of venting sites may impact how soon Planning Commission drawing sets can be ready.

Assistance from MCPWO is needed to solicit direction from St. Clair Shores regarding park amenities. They have been nonresponsive.

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

It may be necessary to revisit the budget when the design nears completion to account for the delays by inflatable manufacturers.

The schedule may be delayed from January due to client and community reviews but is still tracking well ahead of the vendor's testing schedule.

Schedule:

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

Next task or action items.

1. Address MCPWO's 60% design comments.
2. Refine the venting sites based on feedback from MCPWO.
3. Coordinate with utilities (electrical, gas, water, stormwater, sewer, and telecommunications).
4. Submit to Planning Commissions for St. Clair Shores and Eastpointe (only after receiving authority to do that from MCPWO).
5. Submit for EGLE preliminary review concurrently with the Planning Commissions (only after receiving authority to do that from MCPWO).
6. Continue preparation of other permitting documentation and reports.
7. Complete 90% Design package.

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

Brian Rubel
Project Manager

Phone: (734) 649-4546

Email: Brian.Rubel@tetratech.com



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 1/4/21
4. SET ID VP210104MA		
5. POST DATE		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) Tetra Tech, Inc.	7. VENDOR NUMBER V16060	8. ADDR CODE 02	9. Invoice No (MAX = 16 CHARACTERS) 51682605
		10. Invoice Date 12/30/2020	11. Invoice Amount \$ 91,669.80

CHILD RECORD DETAIL INFORMATION												
Line	General Ledger	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22 Sep CK
A		8200017C	80138	CC0004	80138	WO19004	8 1/2 Mile Relief	Pjt #200-16347-19001 thru 12/25/20	\$ 91,669.80	GEN		
B												
C												
D												
E												
F												
G												

23. Total: \$ **91,669.80** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
In-System Storage Devices - MEDC GRANT BALANCE \$726,161.38

25. Finance Officer:	BM/mh
26. Chief Deputy:	8 1/2 Mile Relief
27. Engineers:	\$472,939.05
28. Managers:	1/5/2021
29. Coordinator:	1/11/2021

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	\$140,190.60
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
51488824	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	\$37,871.68
51571567	TETRA TECH 4/2/20	\$42,241.43
51583201	TETRA TECH 4/24/2020	\$17,286.00
51597243	TETRA TECH 6/5/20	\$13,300.51
51608770	TETRA TECH 7/8/20	\$70,565.00
51618840	TETRA TECH 8/3/20	\$69,131.63
51628645	TETRA TECH 8/28/20	\$86,908.25
51644958	TETRA TECH 9/30/20	\$81,802.79
51658188	TETRA TECH 10/30/20	\$54,718.75
51672316	TETRA TECH 12/3/20	\$102,559.50
51682605	TETRA TECH 12/30/20	\$81,669.80
	Wade Trim Invoiced To Date	\$1,247,605.67
	Jacobs Invoiced To Date	\$68,639.00
	Tetra Tech Invoiced To Date	\$957,593.95
Balance of \$3M State Grant Remaining:		\$726,161.38

\$3,000,000.00
 -\$1,247,605.67
 -\$68,639.00
 -\$1,430,533.00
 \$253,222.33 Balance of Grant less existing contracts

Wade Pjt Balance	\$140,268.33
JACOBS PJT Balance	\$0.00
Tetra Tech Pjt Balance	\$472,939.05

**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	12/30/2020 (INVOICE 51682605)	
INVOICE START DATE	11/21/2020	
INVOICE END DATE	12/25/2020	
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	\$	865,924.15
TOTAL AMOUNT DUE THIS INVOICE	\$	91,669.80
TOTAL BUDGET REMAINING	\$	472,939.05
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)		

726,161.38



PROJECT STATUS COMMUNICATION

DATE: December 30, 2020

PREPARED BY: Brian Rubel / Eric Geerlings

PROJECT: Macomb Co. In-System Storage Devices

Tt PROJECT NO: 200-16347-19001 CONTACT: Mr. Vince Astorino / Mr. Steve Rozycki
(INVOICE 51682605)

Tasks completed or in-progress since last status communication.

- Provided written responses to 60% design comments from MCPWO.
- Updated drawings for the 90% design to address requests and feedback from MCPWO.
- Developed preliminary design for alternate venting sites that enable storing water above the crown as requested by MCPWO.
- Coordinated with Arcon regarding technical details of inflatable sewer gate (ISG) bench design and scale model testing phase.
- Generated architectural renderings at the request of MCPWO to aid with upcoming communication with St. Clair Shores.

Opportunities for cost avoidance or added value.

Impediments, roadblocks, assistance needed.

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

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

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

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

Schedule:

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

Next task or action items.

1. Provide renderings and any other support requested by MCPWO for the upcoming meeting with St. Clair Shores.
2. Coordinate the Easement requested by Eastpointe for Beaconsfield.
3. Update design drawings for venting sites based on feedback from MCPWO.
4. Coordinate with St. Clair Shores for the park amenities and other coordination items.
5. Coordinate with utilities (electrical, gas, water, stormwater, sewer, and telecommunications).
6. Submit to Planning Commissions for St. Clair Shores and Eastpointe (only after receiving authority to do that from MCPWO).
7. Submit for EGLE preliminary review concurrently with the Planning Commissions (only after receiving authority to do that from MCPWO).
8. Continue preparation of other permitting documentation and reports.
9. Complete 90% Design package (week of January 18).

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

Brian Rubel Phone: (734) 649-4546 Email: Brian.Rubel@tetratech.com
Project Manager



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: 51682605
INVOICE DATE: 12/30/2020
SERVICES THROUGH: 12/25/2020
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

ESA dated 10 July 2019

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

PROFESSIONAL SERVICES:

Project Number	200-16347-19001	In-System Storage Devices			
Top Task	01D	Basis of Design			
EMPLOYEE		TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Lortz, Thomas J.		CAD Designer	2.00	\$140.00	\$280.00
Voss, Justin D.		Project Engineer 1	7.50	\$155.00	\$1,162.50
TOTAL LABOR			9.50		\$1,442.50
			SUBTOTAL		\$1,442.50
				Total Top Task# 01D	\$1,442.50
Top Task	02A	Project Management / Design			
EMPLOYEE		TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Rubel, Brian M.		Program Manager	20.00	\$225.00	\$4,500.00
TOTAL LABOR			20.00		\$4,500.00
			SUBTOTAL		\$4,500.00
				Total Top Task# 02A	\$4,500.00
Top Task	02B	Design			
EMPLOYEE		TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Biagi, James Q.		Project Manager 2	1.00	\$225.00	\$225.00
Boehmke, Brett		Engineer 2	13.00	\$115.00	\$1,495.00
Burkett, Jason L.		Project Engineer 2	1.00	\$180.00	\$180.00
Geerlings, Eric P.		Project Engineer 1	74.00	\$155.00	\$11,470.00
Graf, Mitchell J.		Project Manager 2	0.25	\$200.00	\$50.00
Hourigan, Tricia M.		Sr CAD Designer 1	21.00	\$140.00	\$2,940.00
Johnston, Jeffrey		Engineer 2	12.75	\$115.00	\$1,466.25
Kaliman, Roger G.		Sr Engineer 1	48.50	\$180.00	\$8,730.00
Lortz, Thomas J.		CAD Designer	20.00	\$140.00	\$2,800.00
Markstrom, Gary J.		Sr Project Manager	7.00	\$225.00	\$1,575.00
Melling, Vickie L.		CAD Technician 3	2.00	\$80.00	\$160.00
Newman, Thomas S.		Architect 2	13.00	\$137.00	\$1,781.00
Paison, William A.		Sr Engineer 1	29.00	\$215.00	\$6,235.00

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

INVOICE NUMBER: 51682605
INVOICE DATE: 12/30/2020
SERVICES THROUGH: 12/25/2020
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Shetty, Sohan P.	Engineer 2	26.00	\$105.00	\$2,730.00
Sissoko, Moussa D.	Project Engineer 2	20.00	\$200.00	\$4,000.00
Snable, Madison T.	Engineering Technician	3.00	\$70.00	\$210.00
Tervo, Jeffrey A.	CAD Technician 2	8.00	\$140.00	\$1,120.00
Weston, Cynthia A.	Project Administrator	3.50	\$90.00	\$315.00
TOTAL LABOR		303.00		\$47,482.25
		SUBTOTAL		\$47,482.25

Total Top Task# 02B \$47,482.25

Top Task 02BS_ECT Design - Subcontractor ECT

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
ENVIRONMENTAL CONSULTING & TECHNOLOGY INC	Subcontractor-External	\$23,305.00
TOTAL SUBCONTRACTOR CHARGES		\$23,305.00
	SUBTOTAL	\$23,305.00

Total Top Task# 02BS_ECT \$23,305.00

Top Task 02BS_FKE Design - Subcontractor FKE

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FK ENGINEERING ASSOCIATES	Subcontractor-External	\$2,896.50
TOTAL SUBCONTRACTOR CHARGES		\$2,896.50
	SUBTOTAL	\$2,896.50

Total Top Task# 02BS_FKE \$2,896.50

Top Task 02BS_FTCH Design - Subcontractor FTCH

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$10,229.80
TOTAL SUBCONTRACTOR CHARGES		\$10,229.80
	SUBTOTAL	\$10,229.80

Total Top Task# 02BS_FTCH \$10,229.80

Top Task 02B_TCI Design

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Robitaille, Luc	Engineer 3	5.75	\$250.00	\$1,437.50
Tremblay, Simon	Sr Engineer I&C	1.75	\$215.00	\$376.25
TOTAL LABOR		7.50		\$1,813.75
	SUBTOTAL			\$1,813.75

Total Top Task# 02B_TCI \$1,813.75

Total Project# 200-16347-19001 \$91,669.80

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

INVOICE NUMBER: 51682605
INVOICE DATE: 12/30/2020
SERVICES THROUGH: 12/25/2020
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

TOTAL AMOUNT DUE THIS INVOICE: \$91,669.80

Gross Contract Summary	
Contract Amount	\$1,430,533.00
Previously Billed	\$865,924.15
Current Billing	\$91,669.80
Total Billed to Date	\$957,593.95
Contract Balance Remaining	\$472,939.05

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.

TOP



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

ACH

P.O. 116661912

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

Invoice #: 205184
Invoice Date: 11/24/2020
Project: 190509
Project Name: MACOMB IN-SYS STRGE DEVICE-LANDA
Fed ID: 59-2921038
Terms: NET 10 DAYS

Attention: BRIAN RUBEL P E

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

For Professional Services Rendered through: 10/30/2020
EMAIL INVOICE TO BRIAN.RUBEL@TETRATECH.COM

Phase Code / Name	Phase Fee	Previous Amount	Current Amount	% Complete	Total Fee Earned
0100 -- STUDY	23,068.00	5,835.00	0.00	25.29	5,835.00 (1)
0200 -- WELSH CONSTR DRAWINGS	42,750.00	6,717.50	12,520.00	45.00	19,237.50 (2)
0300 -- BEACONFIELD CONSTR DRAWINGS	7,775.00	552.50	3,335.00	50.00	3,887.50 (2)
Total Fee:	73,593.00				

Total Fee Earned To Date	28,960.00
Less Previous Billings	13,105.00
Amount Due this Invoice	15,855.00

Project Manager: PATRICK J. JUDD
Billings: 000596

129566
200-16347-19001.02BS-ECT
SUB. EXT
200 LEW AA

OK to pay when paid

B. Rubel
11/25/20

RECEIVED
DEC 3 2020
TETRA TECH

TOP

FLW



Environmental Consulting & Technology, Inc.

3701 Northwest 98th Street
Gainesville, FL 32606 - 352-332-0444

ACH

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

Invoice #: 205700
Invoice Date: 12/21/2020
Project: 190509
Project Name: MACOMB IN-SYS STRGE DEVICE-LANDA
Fed ID: 59-2921038
Terms: NET 10 DAYS

Attention: BRIAN RUBEL P E

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

For Professional Services Rendered through: 11/27/2020
EMAIL INVOICE TO BRIAN.RUBEL@TETRATECH.COM

Phase Code / Name	Phase Fee	Previous Amount	Current Amount	% Complete	Total Fee Earned
0100 -- STUDY	23,068.00	5,835.00	0.00	25.29	5,835.00
0200 -- WELSH CONSTR DRAWINGS	42,750.00	19,237.50	6,260.00	59.64	25,497.50
0300 -- BEACONFIELD CONSTR DRAWINGS	7,775.00	3,887.50	1,190.00	65.31	5,077.50
Total Fee:	73,593.00				

Total Fee Earned To Date	36,410.00
Less Previous Billings	28,960.00
Amount Due this Invoice	7,450.00

P.O. 1166619: 2

Project Manager: PATRICK J. JUDD
Billings: 000596

129566
200-16347-19001.02BS-ECT
Sub-EXT
200 TEL AA

OK to pay when paid
B. Rubel
12/21/20

PAID
DEC 21 2020

PAID



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

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

INVOICE

Invoice Date: 11/13/20
 Total Amount: \$2,896.50
 Number: 19-102-008
 Invoice Period: 10/04/20 - 11/07/20
 PO Number: 1166826.2
 Project Code: 19-102
 Project: Macomb In-Line Storage

INVOICE SUMMARY

Description	Amount
Task 2 - Design Phase	\$2,896.50

Description	Total Budget	Remaining Budget (\$)	Prior Billing (\$)	This Invoice (\$)
Task 1 - Study Phase	\$15,000.00	\$4,896.15	\$10,103.85	--
Task 2 - Design Phase	\$68,000.00	\$12,041.58	\$53,061.92	\$2,896.50
BUDGET TOTALS	\$83,000.00	\$16,937.73	\$63,165.77	\$2,896.50
TOTAL AMOUNT DUE				\$2,896.50

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

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

OK to pay when paid
 B. Rubel
 11/25/20

RECEIVED
 DEC 3 2020
 TETRA TECH

Handwritten initials/signature



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

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

INVOICE

Invoice Date: 11/13/20
 Total Amount: \$2,896.50
 Number: 19-102-008
 Invoice Period: 10/04/20 - 11/07/20
 PO Number:
 Project Code: 19-102
 Project: Macomb In-Line Storage

INVOICE DETAILS

Source	Date	Code	Hrs / Qnt	Rate	Amount
Professional Fees					
Zachary Carr	10/06/20	02-Principal Engineer/Officer	1.00	\$145.00	\$145.00
Nicholas Kacynski	10/06/20	04-Project Engineer/Geologist	1.00	\$112.00	\$112.00
Margaret O'Reilly	10/07/20	09-Administrative Assistant	0.25	\$55.00	\$13.75
Nicholas Kacynski	10/08/20	04-Project Engineer/Geologist	1.00	\$112.00	\$112.00
Margaret O'Reilly	10/21/20	09-Administrative Assistant	0.25	\$55.00	\$13.75
Zachary Carr	10/22/20	02-Principal Engineer/Officer	0.50	\$145.00	\$72.50
James Elsey	10/28/20	04-Project Engineer/Geologist	2.00	\$112.00	\$224.00
James Elsey	10/29/20	04-Project Engineer/Geologist	6.00	\$112.00	\$672.00
Ava Riley	10/29/20	09-Administrative Assistant	0.25	\$55.00	\$13.75
James Elsey	10/30/20	04-Project Engineer/Geologist	1.50	\$112.00	\$168.00
James Elsey	10/31/20	04-Project Engineer/Geologist	1.50	\$112.00	\$168.00
James Elsey	11/02/20	04-Project Engineer/Geologist	4.50	\$112.00	\$504.00
James Elsey	11/03/20	04-Project Engineer/Geologist	0.75	\$112.00	\$84.00
Zachary Carr	11/03/20	02-Principal Engineer/Officer	1.00	\$145.00	\$145.00
Margaret O'Reilly	11/03/20	09-Administrative Assistant	0.25	\$55.00	\$13.75
Zachary Carr	11/04/20	02-Principal Engineer/Officer	2.00	\$145.00	\$290.00
Zachary Carr	11/06/20	02-Principal Engineer/Officer	1.00	\$145.00	\$145.00
		Task 2 - Design Phase	24.75		\$2,896.50
		Professional Fees	24.75		\$2,896.50
		TOTAL FEES/EXPENSES	--		\$2,896.50



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 : 396806
 Invoice Date : 12/1/2020
 Project : 200732
 Project Name : Macomb Co PW/In-system Storage
 Design Phase
 Bill Term : 1

For Professional Services Rendered Through 11/27/2020

P.O. 1166522:5

	Fee	Available	To Date	Previous	Current
1 - Task 1C - 8.5 Mile Utility Survey	96,524.00	75,007.00	31,746.80	21,517.00	10,229.80
Rate Labor	10,185.00				
Unit Rate Expense	44.80				

Current Billings 10,229.80
 Amount Due This Bill 10,229.80

103976

200-16347-19001.02BS_FTCH
 SUB. EXT
 200 LEW AA

OK to pay when paid
 B Rubel
 12/4/20



DNP

1 - Task 1C - 8.5 Mile Utility Survey

Rate Labor

<u>Class</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Engineer	1.50	110.0000	165.00
Production Support	3.00	70.0000	210.00
Senior Engineer	44.50	130.0000	5,785.00
	1.00	175.0000	175.00
Total Senior Engineer	45.50		5,960.00
Senior Technician	35.00	110.0000	3,850.00
Total Rate Labor			10,185.00

Unit Rate Expenses

<u>Account / Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
Mileage			
Mileage - Employee Vehicle	80.00	0.5600	44.80
Total Unit Rate Expenses			44.80

Total Bill Task: 1 - Task 1C - 8.5 Mile Utility Survey **10,229.80**

Total Project: 200732 - Macomb Co PW/In-system Storage Design Phase **10,229.80**



ONESolution
 ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

Mark A. Hackel
 County Executive

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 12/22/20
4. SET ID VP201222MA		
5. POST DATE		

6. VENDOR NAME (Check to be issued to) TREMCO/Weatherproofing Tech	7. VENDOR NUMBER V05021	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 96065748	10. Invoice Date 11/21/2020	11. Invoice Amount \$ 2,317.50
---	----------------------------	--------------------	---	--------------------------------	-----------------------------------

General Ledger			Job Ledger			OPTIONAL			19. Amount	20. DIV	21. MISC
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)					
A	8200017M	93001	93001	WO18006	8 1/2 Mile Relief	Acct #6054709, Renewal			\$ 2,317.50	GEN	
B											
C											
D											
E											
F											
G											

23. Total: \$ 2,317.50
 REV 09/2016

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
 Roof Warranty Platinum Plan (Year 1 of 5 Years)

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:	1/5/2021
28. Managers:		33. Board Date:	1/11/2021
29. Coordinator:		34. Select For Pay Date:	

INVOICE



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 6.10A1)

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

ACCOUNT NUMBER 6054709

INVOICE NO. 96065748	INVOICE DATE 11/21/2020	DUE DATE 12/21/2020
CUST. P.O. PW 000108 / RENEWAL YRS 11-15		
ORDER NUMBER 30025454		
TERMS Net 30		
SHIPPED FROM	SHIP DATE 11/20/2020	
ROUTING - IF SPECIFIED	DELIVERY NO.	

CHARGE TO

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

(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	EA	1	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

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



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 12/22/20
4. SET ID VP201222NA		5. POST DATE

PARENT RECORD INFORMATION	
6. VENDOR NAME (Check to be issued to) TREMCO/Weatherproofing Tech.	7. VENDOR NUMBER V05021
8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 96071158
10. Invoice Date 11/28/2020	11. Invoice Amount \$ 2,822.00

CHILD RECORD DETAIL INFORMATION										
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL		19. Amount	20. DIV	21. MISC
	12. Org Key	13. Object	14. Cost Center (GCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)			
A	8200017M	93001	CC0004	93001	WO18006	8 1/2 Mile Relief	Acct #6054709, Crane Canopy Repairs	\$ 2,822.00	GEN	
B										
C										
D										
E										
F										
G										

23. Total: \$ **2,822.00** REV 09/2016

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	BM/mh	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	1/5/2021
28. Managers:		33. Board Date:	1/11/2021
29. Coordinator:		34. Select For Pay Date:	

INVOICE



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

ACCOUNT NUMBER 6054709

SHIP TO

COUNTY OF MACOMB
GARAGE CANOPY ROOF
23001 EAST NINE MILE ROAD
SAINT CLAIR SHORES MI 48080

INVOICE NO. 96071158	INVOICE DATE 11/28/2020	DUE DATE 12/28/2020
-------------------------	----------------------------	------------------------

CUST. P.O.
SIGNED PROP/ K.B.

CHARGE TO

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

ORDER NUMBER
30112323

TERMS
Net 30

SHIPPED FROM	SHIP DATE 11/28/2020
--------------	-------------------------

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	PR PATCH & REPAIR SERVICES SCOPE OF WORK- Make repairs to the deteriorated perimeter flashing and field of the roof 1. Cut and remove old deteriorated damaged perimeter flashing. 2. Spud back gravel and flood coat at bottom of flashing and in the field of the roof at leak areas. 3. Clean and remove all dirt, dust and debris from areas in need of repairs. 4. Prime areas in need of repairs. 5. Perform 5 course repairs consisting of mastic and mesh and flashing membrane where needed and at the field of the roof. 6. Redistribute gravel back on top of repair areas where applicable. 7. Remove all project debris from roof top and discard. WORK COMPLETED ON THE FOLLOWING DATES: 11/10/20 11/11/20 11/12/20 COUNTY OF MACOMB-65526	1 EA	2,822.00	2,822.00
	Chap crane canopy roof repairs			

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

INVOICE



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 GARAGE CANOPY ROOF 23001 EAST NINE MILE ROAD SAINT CLAIR SHORES MI 48080	ACCOUNT NUMBER 6054709																		
	CHARGE TO	COUNTY OF MACOMB PUBLIC WORKS COMMISSION LAKE SAINT CLAIR CLEAN WATER INITIATIVE 23001 EAST NINE MILE ROAD ST CLAIR SHORES MI 48080	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">INVOICE NO. 96071158</td> <td style="width: 25%;">INVOICE DATE 11/28/2020</td> <td style="width: 50%;">DUE DATE 12/28/2020</td> </tr> <tr> <td colspan="3">CUST. P.O. SIGNED PROP/ K.B.</td> </tr> <tr> <td colspan="3">ORDER NUMBER 30112323</td> </tr> <tr> <td colspan="3">TERMS Net 30</td> </tr> <tr> <td colspan="2">SHIPPED FROM</td> <td>SHIP DATE 11/28/2020</td> </tr> <tr> <td colspan="2">ROUTING - IF SPECIFIED</td> <td>DELIVERY NO.</td> </tr> </table>	INVOICE NO. 96071158	INVOICE DATE 11/28/2020	DUE DATE 12/28/2020	CUST. P.O. SIGNED PROP/ K.B.			ORDER NUMBER 30112323			TERMS Net 30			SHIPPED FROM		SHIP DATE 11/28/2020	ROUTING - IF SPECIFIED	
INVOICE NO. 96071158		INVOICE DATE 11/28/2020	DUE DATE 12/28/2020																	
CUST. P.O. SIGNED PROP/ K.B.																				
ORDER NUMBER 30112323																				
TERMS Net 30																				
SHIPPED FROM		SHIP DATE 11/28/2020																		
ROUTING - IF SPECIFIED		DELIVERY NO.																		
<small>(PLEASE MAKE ANY CORRECTIONS TO ABOVE INFORMATION) NO RETURN MERCHANDISE UNLESS AUTHORIZED BY OUR REPRESENTATIVE</small>		REPRESENTATIVES Srbu, Earl																		
		FREIGHT (F.O.B.: SHIPPING POINT) PPA PREPAID AND ADD																		

QTY	FORMULA NO. AND DESCRIPTION	UNIT QTY	PRICE	AMOUNT
If you would prefer to receive your invoices by email or fax, please contact Customer Service.				

LOCAL TAX	0.00	COUNTY TAX	0.00	STATE TAX	0.00	SUBTOTAL	2,822.00
						SALES TAX	0.00
						SHIPPING	0.00
						TOTAL DUE	2,822.00

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.: SIGNED PROP/ K.B.
TERMS: Net 30

INVOICE NO. 96071158	INVOICE DATE 11/28/2020
-------------------------	----------------------------

SUBTOTAL 2,822.00
SALES TAX 0.00
SHIPPING 0.00
TOTAL DUE 2,822.00 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



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	12/4/20
4. SET ID		
5. POST DATE		
VP201211MA		

PARENT RECORD INFORMATION			
5. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	9. Invoice No (MAX = 19 CHARACTERS)	11. Invoice Amount
Wade Trim	V09446	2019681	3,563.75
8. ADDR CODE	10. Invoice Date		
02	12/2/2020		

CHILD RECORD DETAIL INFORMATION										
Line	General Ledger		Job Ledger		15. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object						
A	8200017M	80138	CC0004	80138	WO19073	8 1/2 Mile Relief	Pjt #MCW200601T, thru 10/31-11/27	3,563.75	GEN	
B										
C										
D										
E										
F										
G										

23. Total: \$ 3,563.75

REV 09/2016

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

25. Finance Officer: _____ BM/mh

26. Chief Deputy: _____

27. Engineers: _____

28. Managers: _____

29. Coordinator: _____

30. Drain: 8 1/2 Mile Relief

31. Project Balance: \$75,668.18

32. Staff Date: 12/15/2020

33. Board Date: 1/11/2021

34. Select For Pay Date: _____

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

WORK ORDER NUMBER 19073

PROJECT NUMBER WWS-2019-017

PROJECT NAME Chapaton RTB Disinfection Improvements

DRAINAGE DISTRICT Eight and One-Half Mile

CONSULTANT NAME Wade Trim Associates, Inc.

INVOICE DATE 12/2/2020

INVOICE START DATE 10/31/2020

INVOICE END DATE 11/27/2020

ORIGINAL CONTRACT AMOUNT	\$ 107,780.00
CHANGE ORDER TOTAL	\$ 74,917.50
Change Order No. 1	\$ 74,917.50
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 182,697.50
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 103,465.57
TOTAL AMOUNT DUE THIS INVOICE	\$ 3,563.75
TOTAL BUDGET REMAINING	\$ 75,668.18
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



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

INVOICE

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

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

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

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

Invoice : 2019681
Invoice Date : 12/2/2020
Project : MCW200601T
Project Name : Chapaton RTB Disinfection
Improvements

For Professional Services Rendered For 10/31/2020 Through 11/27/2020

	Fee	Available	Billings		
			To Date	Previous	Current
	182,697.50	79,231.93	107,029.32	103,465.57	3,563.75
<i>Rate Labor</i>		3,563.75			
					3,563.75
					3,563.75

Total Fee : 182,697.50
To Date Billings : 107,029.32
Total Remaining : 75,668.18

Outstanding Receivables	Invoice Number	Date	Amount	Balance Due
	2019423	11/3/2020	6,861.98	6,861.98
				6,861.98

100 - Project Management

Rate Labor Class / Employee	Date	Hours	Rate	Amount
Project Aide III				
Melanie A Phillips	11/17/2020	0.50	125.0000	62.50
Total Rate Labor				62.50

400 - Final Design

Rate Labor Class / Employee	Date	Hours	Rate	Amount
Engineer III				
Oneida Westhoff	11/4/2020	1.00	125.0000	125.00
Senior Professional				
Jeffrey W Reynhout	11/2/2020	1.00	260.0000	260.00
	11/3/2020	1.00	260.0000	260.00
	11/11/2020	2.00	260.0000	520.00
	11/12/2020	3.00	260.0000	780.00
	11/16/2020	1.00	260.0000	260.00
Total Senior Professional		8.00		2,080.00
Total Rate Labor				2,205.00
Total Bill Task: 400 - Final Design				2,205.00

600 - Project Management - Construction Phase

Rate Labor Class / Employee	Date	Hours	Rate	Amount
Senior Professional				
John Arvai	11/2/2020	1.00	265.0000	265.00
	11/3/2020	1.00	265.0000	265.00
	11/4/2020	0.25	265.0000	66.25
	11/10/2020	0.75	265.0000	198.75
	11/20/2020	0.50	265.0000	132.50
	11/24/2020	0.50	265.0000	132.50
Total Senior Professional		4.00		1,060.00
Total Rate Labor				1,060.00
Total Bill Task: 600 - Project Management - Construction Phase				1,060.00

700 - CEI Services - Construction Phase

Rate Labor Class / Employee	Date	Hours	Rate	Amount
Engineer II				
Jason Obrycki-Smith	11/5/2020	0.50	105.0000	52.50
	11/6/2020	0.50	105.0000	52.50
	11/10/2020	0.75	105.0000	78.75
	11/20/2020	0.50	105.0000	52.50
Total Engineer II		2.25		236.25
Total Rate Labor				236.25
Total Bill Task: 700 - CEI Services - Construction Phase				236.25

Work Description: Project management and administration coordination activities, staff and team meetings. Prepared monthly invoice and progress report. On site meeting with contractor. Review of contractor RFI, submittal and change order effort. Continued automation review for hose pumps.



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 1/4/21
4. SET ID V0210104MA		
5. POST DATE		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) Wade Trim	7. VENDOR NUMBER V09446	8. ADDR CODE 02	9. Invoice No (MAX = 16 CHARACTERS) 2019901
			10. Invoice Date 1/4/2021
			11. Invoice Amount 695.04

CHILD RECORD DETAIL INFORMATION										
12. Org Key	13. Object	14. Job Ledger Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22 Sep CK
A	8200017M	80138	80138	WO19073	8 1/2 Mile Relief	Pjt #MCW200601T, thru 11/28-12/25	\$ 695.04	GEN		
B										
C										
D										
E										
F										
G										

23. Total: \$ **695.04** REV 09/2018

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

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

26. Chief Deputy: _____ **8 1/2 Mile Relief**

27. Engineers: _____ **\$74,973.14**

28. Managers: _____ **1/5/2021**

29. Coordinator: _____ **1/1/2021**

30. Drain: _____

31. Project Balance: _____

32. Staff Date: _____

33. Board Date: _____

34. Select For Pay Date: _____

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

WORK ORDER NUMBER	19073
PROJECT NUMBER	WWS-2019-017
PROJECT NAME	Chapaton RTB Disinfection Improvements
DRAINAGE DISTRICT	Eight and One-Half Mile
CONSULTANT NAME	Wade Trim Associates, Inc.
INVOICE DATE	1/4/2021
INVOICE START DATE	11/28/2020
INVOICE END DATE	12/25/2020
ORIGINAL CONTRACT AMOUNT	\$ 107,780.00
CHANGE ORDER TOTAL	\$ 74,917.50
Change Order No. 1	\$ 74,917.50
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 182,697.50
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 107,029.32
TOTAL AMOUNT DUE THIS INVOICE	\$ 695.04
TOTAL BUDGET REMAINING	\$ 74,973.14
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



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

INVOICE

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

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

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

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

Invoice : 2019901
Invoice Date : 1/4/2021
Project : MCW200601T
Project Name : Chapaton RTB Disinfection
Improvements

For Professional Services Rendered For 11/28/2020 Through 12/25/2020

		Billings				
		Fee	Available	To Date	Previous	Current
		182,697.50	75,668.18	107,724.36	107,029.32	695.04
Rate Labor	681.25					
Expenses	13.79					
					Current Billings	<u>695.04</u>
					Amount Due This Bill	<u>695.04</u>

Total Fee : 182,697.50
To Date Billings : 107,724.36
Total Remaining : 74,973.14

Outstanding Receivables	Invoice Number	Date	Amount	Balance Due
	2019681	12/2/2020	3,563.75	<u>3,563.75</u>
				3,563.75

100 - Project Management

Rate Labor

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Project Aide III				
Melanie A Phillips	12/22/2020	0.50	125.0000	62.50
Senior Professional				
John Arvai	12/18/2020	0.25	260.0000	65.00
Total Rate Labor				127.50
Total Bill Task: 100 - Project Management				127.50

600 - Project Management - Construction Phase

Rate Labor

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Senior Professional				
John Arvai	12/1/2020	0.25	265.0000	66.25
	12/2/2020	0.25	265.0000	66.25
	12/10/2020	0.25	265.0000	66.25
	12/16/2020	0.25	265.0000	66.25
Total Senior Professional				265.00
Total Rate Labor				265.00
Total Bill Task: 600 - Project Management - Construction Phase				265.00

700 - CEI Services - Construction Phase

Rate Labor

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Engineer II				
Jason Obrycki-Smith	12/3/2020	0.50	105.0000	52.50
	12/7/2020	0.50	105.0000	52.50
	12/10/2020	0.50	105.0000	52.50
	12/11/2020	0.50	105.0000	52.50
	12/15/2020	0.25	105.0000	26.25
	12/21/2020	0.50	105.0000	52.50
Total Engineer II				288.75
Total Rate Labor				288.75
Total Bill Task: 700 - CEI Services - Construction Phase				288.75

800 - Expenses - Construction Phase

Expenses

<i>Account / Vendor</i>	<i>Doc Number</i>	<i>Date</i>	<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>
Computer Equipment / Software					
Jason Obrycki-Smith	ER000156624	11/29/2020	11.99	1.150	13.79
Total Expenses					13.79

Total Project: MCW200601T - Chapaton RTB Disinfection Improvements

695.04

Work Description: Project management and administration coordination activities, staff and team meetings. Prepared monthly invoice and progress report. Review of contractor SOV, submittal and change order effort. Submitted draft hose pump automation technical memorandum for MCPWO review.

Budget to Actual
8.5 Mile Relief
As of Dec 31, 2020 = 25%

DESCRIPTION	2021 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Interest Earned	175,000		1,681	173,319	1.0%
Other Revenue	4,000		1,167	2,833	29.2%
8.5 O&M/Charge Required Revenue	4,509,865		2,254,933	2,254,932	50.0%
PY Revenue-Fund Balance	4,522,050			4,522,050	0.0%
Rental Fee	16,460		-	16,460	0.0%
Total Revenue Accounts	9,227,375	-	2,257,781	6,969,594	24.5%
EXPENSE ACCOUNTS					
Application/Permit Fee	6,000		6,000	-	100.0%
Dues, Training, Conf, Subs.	12,850		7,249	5,601	56.4%
Engineering					
Flushing systems replacement-Design	1,328,480			1,328,480	0.0%
Basin Structural Repairs-Desing & Construction	750,000			750,000	0.0%
Equipment Hatch crane replacement	100,000			100,000	0.0%
9 Mile Bypass Pipe Structural Repairs	500,000			500,000	0.0%
As needed Engineering	87,810			87,810	0.0%
Chapaton Improvements-Office Space	820,000		2,903	817,097	0.4%
Disinfection system upgrade (Design and Construction)	901,625		19,301	882,324	2.1%
Chapaton Improvements-Lab Relocation	166,910			166,910	0.0%
In-System Storage-Construction & Const Admin	2,250,000		243,362	2,006,638	10.8%
9 Mile Bypass Design	44,165			44,165	0.0%
New Equipment	15,500			15,500	0.0%
Office Supplies	750			750	0.0%
Operating Supplies	63,700		7,467	56,233	11.7%
Other Professional Srvc	46,700		369	46,331	0.8%
Personnel Services	1,061,320			1,061,320	0.0%
Repair & Maintenance	161,000		39,808	121,192	24.7%
Pumping and screening improvements	211,540		153,602	57,938	72.6%
SRF Replacement Reserve	259,215			259,215	0.0%
Scada System	165,710		2,367	163,343	1.4%
Utilities	274,100		24,798	249,302	9.0%
Total Expense Accounts	9,227,375	-	507,226	8,720,149	5.5%

	O&M Balance 9/30/2020	O&M	Total 12/31/2020
Cash - Operating	12,629,705	1,750,555	14,380,260
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		2,257,781	2,257,781
Expenditures		507,226	507,226
			0
Equity*	12,629,705		14,380,260

Detail of 2020 Equity*

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