

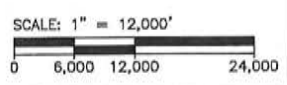
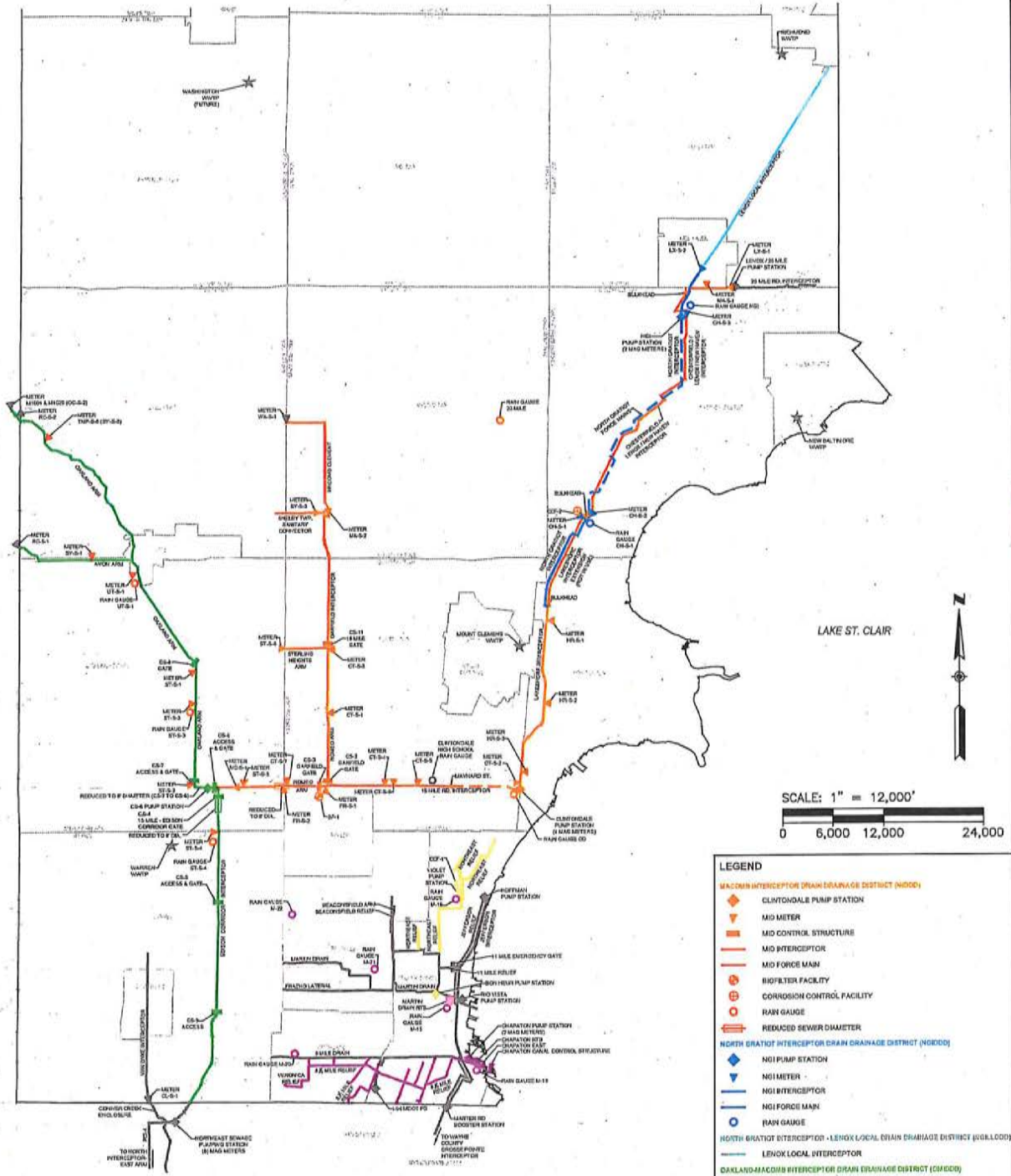
EIGHT AND ONE-HALF MILE RELIEF DRAIN  
INTRA-COUNTY DRAINAGE BOARD  
JULY 13, 2020  
10:00 A.M.  
AGENDA

**NOTE: THIS MEETING WILL BE HELD BY TELECONFERENCE**

**Call in Number: 1-408-418-9388**  
**Access Code: 129 599 9683**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for July 13, 2020	
3. Approval of Minutes for June 8, 2020	3
4. Public Participation	
5. Project Updates - Vince Astorino	
6. Chapaton and Martin RTB Disinfection System Pump Purchase Recommendation - Vince Astorino	5
<p>Motion: To approve the quotation from Watson Marlow, Inc. for the fabrication and delivery of the hose pumps for the Chapaton &amp; Martin Retention Treatment Basin Disinfection Improvement Project for a Lump Sum cost of \$111,182.00 (8.5 Mile share \$79,416).</p>	
7. Consideration for approval of invoices (see attached)	10
8. Financial Report – Bruce Manning	68
9. Adjourn	

# MACOMB COUNTY WASTEWATER SYSTEMS



- LEGEND**
- MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (NOODD)
    - CLINTONDALE PUMP STATION
    - MID METER
    - MID CONTROL STRUCTURE
    - MID INTERCEPTOR
    - MID FORCE MAIN
    - BIOFILTER FACILITY
    - CORROSION CONTROL FACILITY
    - RAIN GAUGE
    - REDUCED SEWER DIAMETER
  - NORTH GRATIOT INTERCEPTOR DRAIN DRAINAGE DISTRICT (NOIDD)
    - NOI PUMP STATION
    - NOI METER
    - NOI INTERCEPTOR
    - NOI FORCE MAIN
    - RAIN GAUGE
  - NORTH GRATIOT INTERCEPTOR - LENOX LOCAL DRAIN DRAINAGE DISTRICT (BOLKDD)
    - LENOX LOCAL INTERCEPTOR
  - OAKLAND/MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (COMDD)
    - CS-6 PUMP STATION
    - QMS METER
    - QMS CONTROL STRUCTURE
    - QMS INTERCEPTOR
    - REDUCED SEWER DIAMETER
  - 1/2 MILE RELIEF DRAIN DRAINAGE DISTRICT
    - CHAPATON WEST PUMP STATION
    - CHAPATON RETENTION TREATMENT BASIN
    - CHAPATON CANAL CONTROL GATE
    - 1/2 MILE INTERCEPTOR
    - RAIN GAUGE
  - SEBOWDS PUMP STATION
  - CORROSION CONTROL FACILITY
  - SEBOWDS INTERCEPTOR
  - MANTON SANITARY OVERSIGHT DRAINAGE DISTRICT (SODDD)
    - MANTON DRAIN RETENTION TREATMENT BASIN
  - OTHER SYSTEMS
    - PUMP STATION
    - METER
    - WWTP
    - INTERCEPTOR

**Candice S. Miller**  
 MACOMB COUNTY PUBLIC WORKS COMMISSIONER



UPDATED: APRIL 2017

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 of Michigan Executive Order due to the COVID-19 pandemic, on June 8, 2020, at 10:05 A.M.

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

ALSO PRESENT: Marvin Sauger, Harold Haugh, Robert Mijac, Jim Carabelli, Macomb County Board of Commissioners; Brian Baker, Chief 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, Macomb County Public Works; Monique Owens, Mayor of Eastpointe; Fritz Klingler, Zack Carr, FK Engineering

The meeting was called to order by the Chair, Candice 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 May 11, 2020 were presented. A motion was made by Ms. Klinefelt, supported by Mr. Santo to approve the minutes as presented.

Adopted: YEAS: 3  
NAYS: 0

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

Ms. Miller updated the board that while we have had great support regarding the Chapaton Canal Expansion, EGLE has denied the permit for Phase 1. Our goal is to stop dumping sewage from these combined sewer overflows. There will be a public hearing, and groups are asking the Governor to intervene. In the meantime, we are working with EGLE on Phase 2 for the in-system storage project and do not anticipate an issue with this permitting.

A motion was made by Ms. Klinefelt, supported by Mr. Santo to receive and file the Chapaton Canal Expansion Permit update by Ms. Miller.

Adopted: YEAS: 3  
NAYS: 0

Mr. Astorino updated the board that we have begun our in-system storage design project. The goal is to be out for bid for construction in January 2021. The pump and screen project construction has begun, and the wet well has been cleaned. The disinfection replacement project is also underway for Chapaton and Martin and plan to go out to bid within the next 2 months.

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

The Chair presented the invoices totaling \$24,975.82 to the board for review and approval.

A motion was made by Mr. Santo, supported by Ms. Klinefelt 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 10:28 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 June 8, 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: 6/8/20



**Candice S. Miller**  
Public Works Commissioner  
Macomb County

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

CC: File

From: Vincent Astorino, Operations & Flow Manager

Date: July 8, 2020

Subject: Chapaton and Martin RTB Disinfection Improvements – Pump Purchase Recommendation

In January 2020, the Macomb County Public Works Office (MCPWO) contracted with Wade Trim Associates, Inc. to prepare plans and specifications for the replacement of the disinfection systems at the Chapaton and Martin RTBs. These systems were installed in approximately 1978 and have exceeded the end of their useful life. A 2018 study of these existing disinfection systems, also prepared by Wade Trim, confirmed that they should be entirely replaced. For the 2019-2020 budgets, 8.5 Mile approved \$1,000,000 and Martin approved \$200,000 for this replacement

Although scheduled to be replaced as part of this project, the existing Pulsafeeder diaphragm pumps at both RTBs are of increasing concern of the operations staff. The pumps are expensive to repair and have lately been inoperable for longer periods of time during these repairs. In an effort to expedite the implementation of the new disinfection system, MCPWO staff is recommending that the new disinfection pumps be purchased ahead of the public bid. The lead-time on the pumps is approximately 5-6 weeks so by purchasing separately the goal is to have the pumps on-site by the time the contractor is ready to begin work. The current schedule is to go out to bid for this work by the end of July and then bring the recommendation for the selected contractor by the August/September board meeting.

The 2018 study recommended the installation of peristaltic pumps, commonly referred to as hose pumps, for sodium hypochlorite application. Since receiving this recommendation, MCPWO staff has toured the Dearborn Heights CSO facility to view their disinfection system which consists of Bredel hose pumps manufactured by Watson Marlow. At this visit it was noted that several regional CSO/RTB facilities use and have had success with Bredel pumps. Following that visit, a demo Bredel hose pump was temporarily installed in the Chapaton East Building for staff to try out. MCPWO is sufficiently comfortable with the Bredel pump specified in the Wade Trim plans. Since all prospective contractors would be quoting and installing the same pumps there is no added cost to the project by removing them from the public bid package. In fact, there is likely a cost savings since there will be no chance for contractor mark-up associated with the pump procurement.

The quote received from Watson Marlow, Inc. for seven (7) new Bredel hose pumps, associated equipment, and shipping is **\$111,182.00**. Since all seven pumps are identical, the costs can be split proportionally between Chapaton (five pumps) and Martin (two pumps). The cost breakdown is as follows:

- Task 1 - Chapaton = \$79,416
- Task 2 - Martin = \$31,766

Upon approval from the 8 ½ and Martin Boards, MCPWO staff will then proceed with executing a purchase order with Watson Marlow. Their proposal has been attached for reference.

**Recommended Motion: To approve the quotation from Watson Marlow, Inc. for the fabrication and delivery of the hose pumps for the Chapaton & Martin Retention Treatment Basin Disinfection Improvement Project for a Lump Sum cost of \$111,182.00.**

Attachments: Watson Marlow quote dated 07/01/20

# Scope of Supply



Fluid Technology Group

Watson-Marlow, Inc.  
37 Upton Technology Park  
Wilmington, MA 01887  
Tel: 800-282-8823

info@wmftg.com  
wmftg.com

July 1, 2020

To: All Bidding Contractors  
Subject: Watson Marlow Inc.—Scope of Supply  
Quote #: WMB153903R1  
Project: Macomb County Wastewater Disposal District  
Location: Macomb County, MI  
Engineer: Wade Trim  
Bid Due: TBD

Specification Sections Included:

Section 22 14 30 - Chemical Systems - Chemical Metering Pump System

Equipment Included:

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**Quantity (7) Bredel 32 Peristaltic Hose Pump Assembly  
Sodium Hypochlorite**

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- Nominal Displacement: 0.165 Gallons/Rev
- Fully Supported Cast Iron Rotor Assembly with Twin Sliding Aluminum Shoes
- High Strength Twin Bearing Hub
- Cast Iron Bolted Cover with Sight Window
- Pump Supports: Galvanized Steel
- Pump Hardware and Hose clamps: Galvanized Steel
- 1.5" 150# ANSI Flanges & Flange Brackets for Suction & Discharge: Galvanized Steel
- 32mm Machined Hose with inner layer in EPDM
- PVC Wetted Hose Inserts
- Bredel Genuine Hose Lubricant
- Buffer Zone Seals Lubricant Inside Pumphead to Protect Gearing
- 2-Stage Flanged Helical In-Line Gearing, 61 RPM Output Speed @ 1750 RPM Input, NEMA 56C Input Flange, Bredel Red Epoxy Paint
- Baldor 2 HP Premium Efficient Motor, Inverter Capable 20:1 CT Turndown, 1750 RPM, 230/460 VAC – 3Ø – 60 Hz, 56C Frame, TEFC, Bredel Red Epoxy Paint
- Pump Position: 1 (Ports Left), 2 (Ports Right **[Standard]**); *Verify Prior to Ordering*
- High Level Switch

Price Each (Includes Freight).....\$12,433

Price Total (Includes Freight).....\$87,026

# Scope of Supply



Fluid Technology Group

Watson-Marlow, Inc.  
37 Upton Technology Park  
Wilmington, MA 01887  
Tel: 800-282-8823

info@wmftg.com  
wmftg.com

## Ancillary & Spare Equipment:

Quantity (7) Revolution Counter & Nema-4X Display.....	\$1,455 ea
Quantity (7) 1.5" Onyx Ring-Style Pressure Switch w/Gauge.....	\$1,775 ea
Quantity (2) SPARE 32mm Machined Hose – EPDM.....	\$575 ea
Quantity (1) SPARE 5-Gal Can of Hose Lubricant.....	\$396 ea

**Total Price w/Freight:.....\$111,182**

Total Start-Up Service & Training: To be Provided by Mattoon & Lee

Watson-Marlow is the Engineer's approved manufacturer of this pumping equipment. All above equipment is in accordance with the specification referenced with the following notes considered:

General: Watson-Marlow is an equipment supplier, not a contractor and assumes no roles of the contractor.

### Quote based on verbal request in lieu of engineer's written specifications.

This proposal includes only equipment mentioned herein and does not include, nor infers inclusion of, any additional equipment, piping, valves, anchor bolts (or its design), wiring, factory performance testing, field seismic or vibration testing, hydrostatic testing, services, videotaping, etc. regardless of its relation to the quoted equipment. The specifications listed above are the only specifications which shall apply to this proposal either directly or by reference. Any additional specifications, with equipment or requirements specified therein, that are not specifically included as part of this proposal are excluded from this offering. Watson-Marlow offers this proposal as an Equipment Supplier exclusively, not as a Contractor or Sub-Contractor.

Pricing does not include any applicable taxes.

Watson-Marlow will prepare the required submittals for equipment specifically listed under this scope letter. Typical shop drawings will be available for shipment 2-3 weeks after receipt of written Purchase Order. Watson-Marlow will not finalize procurement or shipment of equipment until full written approval of the shop drawings/submittals has been received.

Watson-Marlow offers field service strictly in accordance with the number of trips and onsite 8-hour man-days offered in this proposal. Watson-Marlow cannot commit to availability of a service technician without two (2) weeks advanced notice in writing of required on site dates.

Above equipment is offered within the terms and conditions set forth by Watson-Marlow. Terms and conditions are available at: <https://www.watson-marlow.com/us-en/support/terms/>

These terms and conditions will apply to any purchase order resulting from this proposal unless alternate terms and conditions are specifically negotiated in writing and are signed/accepted by Watson-Marlow at the time of purchase. In no event will consequential and/or liquidated damages be accepted by Watson-Marlow.



# Scope of Supply

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Fluid Technology Group

Watson-Marlow, Inc.  
37 Upton Technology Park  
Wilmington, MA 01887  
Tel: 800-282-8823

[info@wmftg.com](mailto:info@wmftg.com)  
[wmftg.com](http://wmftg.com)

To facilitate speedy order processing, please list purchaser contact, telephone, and fax number and reference this quotation number. If you are a first time customer of Watson-Marlow, Inc. please provide with your order a copy of your trade references and, if tax exempt, please provide a resale or tax exemption certificate. Purchase order should be sent to the attention of the Contract Administrator, and payment remitted to:

Watson-Marlow, Inc.  
P.O. Box 536285  
Pittsburgh, PA 15253-5904

Quote Validity: 30 Days from date of issue

Shipment after receipt of written approval of submittals and release for shipment:

WM Equipment: 5-6 Weeks

Sincerely,  
*Chris Miller*  
Chris Miller, Central District Sales Manager

Prepared by: JB- Application Engineer

EIGHT AND ONE HALF MILE RELIEF DRAIN - 6/16/20 - 6/30/20

<u>Funding Source</u>	<u>Apportionment</u>	<u>Manager</u>	<u>Vendor</u>	<u>Amount</u>	<u>Invoice Detail</u>	<u>Project Summary</u>	<u>Project Balance</u>		
\$ 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	City of Eastpointe	\$ 733.22	Invoice #20-268 - 6.3.20	Permit for Soil Borings - In-System Storage			
		Manning	County of Macomb	\$ 208,691.95	Invoice #AR200303 - 4.27.20	Personnel/Operating 1st Quarter			
		Astorino	Doetsch	\$ 32,550.00	Invoice #71240 - 5.31.20	Wet Well Cleaning			
		Astorino	Fishbeck	\$ 6,063.75	Invoice #392745 - 6.22.20	As-needed Services - Chapaton Structural Study	\$ 105,506.01		
		Astorino	GFL	\$ 1,530.00	Invoice #44960742 - 6.15.20	Roll off Services - Pump/Screen Project			
		Astorino	HESCO	\$ 818.72	Invoice #20201305 - 6.19.20	Chapaton Pulsafeeder - Disinfection Pump			
		Manning	Macomb County Treasurer	\$ 7,000.00	Invoice #4-2020 - 3.31.20	Accounting Services			
		Slance	Marinos	\$ 867.00	Invoice #9280 - 5.31.20	Lawn Care 2020			
		Astorino	Premier Safety	\$ 552.52	Invoice #4180090 - 6.16.20	Sensor Filter/Rear Cover/Cap	\$ 22,000.00		
		Astorino	Tetra Tech	\$ 9,800.00	Invoice #51595965 - 6.2.20	9 Mile Pump Station Feasibility Study	\$ 1,030,294.77		
		Astorino	Tetra Tech	\$ 13,300.51	Invoice #51597243 - 6.5.20	In-System Storage Devices	\$ 53,135.05		
		Astorino	Wade Trim	\$ 6,270.08	Invoice #2018187 - 6.1.20	Chapaton RTB Disinfection Improvements	\$ 140,268.33		
		Astorino	Wade Trim	\$ 8,312.67	Invoice #2018187 - 6.1.20	Chapaton RTB Canal Upgrades			
		Astorino	Wade Trim	\$ 12,083.79	Invoice #2018403 - 7.2.20	Disinfection Improvements			
					<b>Total</b>	\$ 308,574.21			



# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

Mark A. Hackel  
County Executive

1. PREPARED BY (Please Type) <b>Michelle Houvener</b>	2. PHONE # <b>95966</b>	3. DATE <b>6/3/20</b>
4. SET ID <b>VP200604MC</b>		
5. POST DATE		

<b>PARENT RECORD INFORMATION</b>	
6. VENDOR NAME (Check to be Issued to) City of Eastpointe	8. ADDR CODE BA
7. VENDOR NUMBER V00919	9. Invoice No (MAX = 16 CHARACTERS) 20-268
10. Invoice Date 6/3/2020	11. Invoice Amount \$ 733.22

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	8210017M	96901	CC0004	96901	WO18006	8 1/2 Mile Relief	Attn: Kristal Pszonka - Permit App	\$ 733.22	IPWK		
B											
C											
D											
E											
F											
G											

23. Total: \$ 733.22

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:  
Permit required for soil borings

25. Finance Officer:	<b>BM/mh</b>
26. Chief Deputy:	8 1/2 Mile Relief
27. Engineers:	N/A
28. Managers:	6/16/2020
29. Coordinator:	7/13/2020



**Eastpointe Water and Sewer Department  
Permit Application  
23200 Gratiot Eastpointe, MI 48021**

Property Address: Public Right-of-Way at intersection of Oak Ave. & Beaconsfield Ave.

Contractor or Owner: FK Engineering, retained by Macomb County Public Works Office

Business Address: 21777 Dunham Road, Clinton Township, MI 48036

Phone: Contact Steve Rozycki of MCPWO at 586-696-0235

**Sewer Repairs** — Job scope listed here per guidance from Kristin Psonka

(Must have \$25,000 Surety Bond on file with City named as insured)

<del>Sewer Inspection (includes 1 inspection)</del>	<del>\$125.00</del>	
<del>After the Fact Permit Fee</del>	<del>\$ 50.00</del>	
<del>Overtime Fee</del>	<del>After hours (after 3:00 pm or Saturday)</del>	<del>\$180.00</del>
	<del>Sunday &amp; Holiday</del>	<del>\$300.00</del>
	<b>Sub Total:</b>	<b>\$ 733.22</b>

**DESCRIPTION OF WORK:**

4 Geotechnical soil borings in the public Right-of-Way, which requires review by Eastpointe's Engineering Firm. Total permit fee was provided by Jose Abraham via e-mail.

**Street/Sidewalk or Alley Access Fee**

(\*All work will be completed to the City of Eastpointe Excavation Guidelines\*)

<del>Sidewalks</del>	<del>\$100.00 per square (MIN 3 squares)</del>	<del>_____ # of squares x \$100.00</del>	<del>\$ _____</del>
<del>Concrete Street</del>	<del>\$800.00 per panel (MIN 3 panels)</del>	<del>_____ # of panels x \$800.00</del>	<del>\$ _____</del>
<del>Alley</del>	<del>\$1,500.00</del>		<del>\$ _____</del>
<del>If the street has asphalt overlay add \$100.00 per half street</del>			<del>\$ _____</del>
	<b>Sub Total:</b>		<b>\$ _____</b>

**Right Of Way Inspection**

\$ 125.00

Sub Total: \$ \_\_\_\_\_

**DESCRIPTION:**

**Grand Total: \$ 733.22**



Applicant Signature Steve Rozycki

Print Name 06.03.2020

Date \_\_\_\_\_

SEWER WORK SHALL NOT BE STARTED UNTIL THE APPLICATION FOR PERMIT HAS BEEN FILED AND ALL FEES ARE PAID. NO WORK SHALL BE CONCEALED UNTIL IT HAS BEEN INSPECTED. For Inspection please call 586-445-3661 Ext 2219 or 586-804-2578 from 7AM – 3PM

Water Tap Fee

Size \_\_\_\_\_ \$ \_\_\_\_\_

Concrete \_\_\_\_\_ \$ \_\_\_\_\_

(See fee schedule for costs)

Sub Total: \$ \_\_\_\_\_

Description:

Water Tap Disconnection Fee

With turn-in of meter/mtu

Without turn-in of meter/mtu

(\*City personnel will not enter unsafe or condemned structure\*)

Disconnect at the main

\$500.00 + Concrete

\$500.00 + Concrete

+ Cost of equipment

Time & Material + Concrete

+ 10% admin fee

Sub Total: \$ \_\_\_\_\_

Description:

Sewer Tap Demo

City Demo's the Sewer Tap at the Main

Sewer Tap Disconnect Inspection at the Property Line

Time & Material + Concrete

+ 10% admin fee

\$125.00

Sub Total: \$ \_\_\_\_\_

Description:

Grand Total: \$ 733.22



# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

PREPARED BY	PHONE NUMBER	DATE
Houvenier	95966	6/10/2020
SET ID	POST DATE	
VP200612MA		

PARENT RECORD INFORMATION			
VENDOR NAME	VENDOR NUMBER	ADDR CODE	INVOICE DATE
County of Macomb	V01085	06	4/27/2020
			INVOICE AMOUNT
			\$ 637,033.48

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											
8210166M	72100	CC0018	72100		MIDDD		Personnel 1st Quarter	\$ 352,158.60		IFIN	MC1				
8210166M	99101	CC0018	99101		MIDDD		Operating 1st Quarter	\$ 4,275.00		IFIN	MC1				
8210017M	72100	CC0004	72100	WO18006	8 1/2 Mile Relief		Personnel 1st Quarter	\$ 207,041.96		IFIN	MC1				
8210017M	99101	CC0004	99101	WO18006	8 1/2 Mile Relief		Operating 1st Quarter	\$ 1,649.99		IFIN	MC1				
8713018M	72100				SEMCWWDS		Personnel 1st Quarter	\$ 28,543.17		IFIN	MC1				
8713018M	99101				SEMCWWDS		Operating 1st Quarter	\$ 220.00		IFIN	MC1				
8210072M	72100				Martin		Personnel 1st Quarter	\$ 42,814.76		IFIN	MC1				
8210072M	99101				Martin		Operating 1st Quarter	\$ 330.00		IFIN	MC1				
									TOTAL: \$	637,033.48					

COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:  
 1st Quarter 2020 Personnel/Operating

Finance Manager:	Bu/mh	Drain:	Multiple
Chief Engineer:		Project Balance:	N/A
Engineer(s):		Staff Date:	6/16/2020
Manager(s):		Board Date:	7/13/2020
Coordinator:		Select for Pay Date:	



Mark A. Hackel  
County Executive

**FINANCE DEPARTMENT**  
120 N. Main St., 2<sup>nd</sup> Floor  
Mount Clemens, Michigan 48043  
Phone: 586-469-5250 Fax: 586-469-5066  
www.macombgov.org

Stephen L. Smigiel, CPA  
Finance Director

Steve Adair, CGFM  
Deputy Finance Director

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

Email Address: Invoice Date: 04/27/2020 Invoice: AR200303

REF DATE	DESCRIPTION	AMOUNT
04/27/2020	1ST QTR 20 CHAPOTON-PERSONNEL	208,776.90
04/27/2020	1ST QTR 20 CHAPOTON-OPERATING	2,199.99
04/27/2020	1ST QTR 20 WASTE WTR-PERSONNEL	421,781.59
04/27/2020	1ST QTR 20 WASTE WTR-OPERATING	4,275.00
<b>Charges</b>		<b>637,033.48</b>
<b>Amount Due</b>		<b>637,033.48</b>

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

Finance Department Contact Number:  
(586) 469-5251

Tax ID # / EIN Number:  
38-6004868

Payment Terms:  
Due Upon Receipt

Please email any questions about your account to:  
Accounting@MacombGov.Org

Customer Number: DPWK BA

Invoice Number: AR200303

Please remit your payment to:  
COUNTY OF MACOMB  
FINANCE DEPARTMENT  
120 NORTH MAIN STREET, 2nd FLOOR  
MOUNT CLEMENS, MI. 48043-5622

Invoice Date: 04/27/2020

Amount Due: \$637,033.48

1ST QUARTER 2020 PERSONNEL AND OPERATING COSTS

	Chapaton Personnel	Chapaton Operating	WW Personnel	WW Operating	3018	0072	TOTAL
Invoice Totals	208,776.90	2,199.99	421,781.59	4,275.00			637,033.48
Due from Martin	(32,371.31)	(330.00)	(10,443.45)			43,144.76	-
Due From SEMCWWDS	(21,580.87)	(220.00)	(6,962.30)		28,763.17		-
Due from 8.5	52,217.24		(52,217.24)				-
Total	207,041.96	1,649.99	352,158.60	4,275.00	28,763.17	43,144.76	637,033.48

Detail for OS

ORG KEY	Object Code	Amount
0166	72100	352,158.60
0166	99101	4,275.00
0017	72100	207,041.96
0017	99101	1,649.99
3018	72100	28,543.17
3018	99101	220.00
0072	72100	42,814.76
0072	99101	330.00
TOTAL		637,033.48



**Macomb County, Michigan**  
 Budget to Actual Report - By Org Key  
 1/1/2020 TO 3/31/2020

Key	Description	2020 Adopted Budget	2020 Final Budget	Encumbered	Actual	Variance	Pct Utilized
<b>Revenue Accounts</b>							
69999	MISCELLANEOUS	0.00	0.00	0.00	0.00	0.00	100.00 %
	<b>Total Other Revenue</b>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>100.00 %</u>
67719	PERSONAL SERVICES	1,145,900.00	1,145,900.00	0.00	0.00	-1,145,900.00	0.00 %
67753	INS CLAIMS-WORKERS COMP	0.00	0.00	0.00	0.00	0.00	100.00 %
	<b>Total Reimbursements</b>	<u>1,145,900.00</u>	<u>1,145,900.00</u>	<u>0.00</u>	<u>0.00</u>	<u>-1,145,900.00</u>	<u>0.00 %</u>
69905	PRIOR YR REV-FUND BALANCE	0.00	0.00	0.00	0.00	0.00	100.00 %
	<b>Total Prior Year Revenue</b>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>100.00 %</u>
	<b>Total Revenue Accounts</b>	<u>1,145,900.00</u>	<u>1,145,900.00</u>	<u>0.00</u>	<u>0.00</u>	<u>-1,145,900.00</u>	<u>0.00 %</u>
<b>Expense Accounts</b>							
70200	SAL & WAGE - BASE PAY	540,367.00	540,367.00	0.00	102,678.48	437,688.52	19.00 %
70201	CONTRA - BASE PAY	0.00	0.00	0.00	0.00	0.00	100.00 %
70203	SAL & WAGE-BUDGET PART TIME	50,752.00	50,752.00	0.00	10,484.40	40,267.60	20.65 %
70204	SAL & WAGE - RETRO PAY	0.00	0.00	0.00	0.00	0.00	100.00 %
70205	SAL & WAGE - COMP TIME PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70207	SAL & WAGE - COLA	0.00	0.00	0.00	0.00	0.00	100.00 %
70208	SAL & WAGE -IN LIEU OF MED	0.00	0.00	0.00	334.00	-334.00	100.00 %
70209	SAL & WAGE - TEMP/EXTRA-HIRE	0.00	0.00	0.00	0.00	0.00	100.00 %
70211	SAL & WAGE - OVERTIME	25,000.00	25,000.00	0.00	11,815.25	13,184.75	47.26 %
70212	SAL & WAGE - STANDBY PAY	0.00	0.00	0.00	1,416.40	-1,416.40	100.00 %
70213	SAL & WAGE - HOLIDAY PAY	8,000.00	8,000.00	0.00	440.24	7,559.76	5.50 %
70214	SAL & WAGE - LONGEVITY	2,200.00	2,200.00	0.00	0.00	2,200.00	0.00 %
70216	SAL & WAGE - CAR ALLOWANCE	0.00	0.00	0.00	85.12	-85.12	100.00 %
70217	SAL & WAGE - ANNL LEAV-PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70218	SAL & WAGE - SICK LEAVE-PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70221	SAL & WAGE-TRNSCRIPT/CT REPORTR	13,600.00	13,600.00	0.00	0.00	13,600.00	0.00 %
70226	SAL & WAGE -LUMP SUM	0.00	0.00	0.00	8,500.00	-8,500.00	100.00 %
70227	SAL & WAGE - EMP PROV VEH	0.00	0.00	0.00	0.00	0.00	100.00 %
70228	SAL & WAGE - GRP LIFE >\$50K	0.00	0.00	0.00	0.00	0.00	100.00 %
70298	SAL & WAGE - OTHER	0.00	0.00	0.00	487.04	-487.04	100.00 %

**Macomb County, Michigan**  
 Budget to Actual Report - By Org Key  
 1/1/2020 TO 3/31/2020

Key	Description	2020 Adopted Budget	2020 Final Budget	Encumbered	Actual	Variance	Pct Utilized
	Total Salaries and Wages	639,919.00	639,919.00	0.00	136,240.93	503,678.07	21.29 %
71510	FICA - OASDI	39,675.00	39,675.00	0.00	8,446.95	31,228.05	21.29 %
71515	FICA - MEDICARE	9,279.00	9,279.00	0.00	1,975.49	7,303.51	21.28 %
71516	CONTRA-FICA/MEDICARE	0.00	0.00	0.00	0.00	0.00	100.00 %
71520	HOSPITALIZATION INSURANCE	133,799.00	133,799.00	0.00	28,835.96	104,963.04	21.55 %
71521	DENTAL INSURANCE	7,480.00	7,480.00	0.00	1,485.74	5,994.26	19.86 %
71522	BCBS - TRADITIONAL	0.00	0.00	0.00	0.00	0.00	100.00 %
71524	HEALTH ALLIANCE PLAN	0.00	0.00	0.00	0.00	0.00	100.00 %
71526	CONTRA-EMP HLTH/DENTAL/LIFE	0.00	0.00	0.00	0.00	0.00	100.00 %
71528	RETIREE DEATH BENEFIT	0.00	0.00	0.00	0.00	0.00	100.00 %
71529	RETIREE MEDICAL	76,700.00	76,700.00	0.00	17,046.00	59,654.00	22.22 %
71530	LIFE INSURANCE - BASE	514.00	514.00	0.00	36.95	477.05	7.18 %
71539	PENSION	31,972.00	31,972.00	0.00	7,986.00	23,986.00	24.97 %
71542	PENSION DEFINED-CONTRIB	11,406.00	11,406.00	0.00	3,106.14	8,299.86	27.23 %
71546	CONTRA-PENS/RET MED	0.00	0.00	0.00	0.00	0.00	100.00 %
71550	DELTA DENTAL	0.00	0.00	0.00	0.00	0.00	100.00 %
71552	GOLDEN DENTAL	0.00	0.00	0.00	0.00	0.00	100.00 %
71555	SVS VISION	0.00	0.00	0.00	0.00	0.00	100.00 %
71560	WORKER'S COMPENSATION	1,280.00	1,280.00	0.00	284.24	995.76	22.20 %
71570	UNEMPLOYMENT COMPENSATION	0.00	0.00	0.00	0.00	0.00	100.00 %
71580	LONG-TERM DISABILITY	1,267.00	1,267.00	0.00	263.86	1,003.14	20.82 %
71590	COMPENSATED ABSENCES	15,909.00	15,909.00	0.00	3,068.64	12,840.36	19.28 %
71591	CONTRA-WCOMP/UNEMPL/OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
71592	FRINGE ADJUSTMENT	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Fringe Benefits	329,281.00	329,281.00	0.00	72,535.97	256,745.03	22.02 %
93099	REPAIRS & MAINT - EQUIP OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
93101	EQUIP MAINT AGREEMENTS	0.00	0.00	0.00	0.00	0.00	100.00 %
96104	VEHICLE-GASOLINE	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Operating Expenses	0.00	0.00	0.00	0.00	0.00	100.00 %
91101	INSURANCE - LIABILITY	8,800.00	8,800.00	0.00	2,199.99	6,600.01	25.00 %
91102	INSURANCE - PROPERTY	20,000.00	20,000.00	0.00	0.00	20,000.00	0.00 %
91103	INSURANCE - FLEET	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00 %

Report: GL80DCY  
 Fund: 101 General Fund  
 Key: 10144130 Public Works - Pumping Station

**Macomb County, Michigan**  
 Budget to Actual Report - By Org Key  
 1/1/2020 TO 3/31/2020

Fiscal Year: 2020  
 Fiscal Period: 03

Key	Description	2020		Encumbered	Actual	Variance	Pct Utilized
		Adopted Budget	Final Budget				
96103	INTER SERV-TELEPHONE	5,000.00	5,000.00	0.00	0.00	5,000.00	0.00 %
99101	INDIRECT COST ALLOCATION	140,900.00	140,900.00	0.00	0.00	140,900.00	0.00 %
	Total Internal Service Costs	176,700.00	176,700.00	0.00	2,199.99	174,500.01	1.24 %
	Total Expense Accounts	1,145,900.00	1,145,900.00	0.00	210,976.89	934,923.11	18.41 %

Revenue	1,145,900.00	1,145,900.00	0.00	0.00	-1,145,900.00
Expenses	1,145,900.00	1,145,900.00	0.00	210,976.89	934,923.11
Net	0.00	0.00	0.00	-210,976.89	-210,976.89

10144130 - PW-Pumping Stati		1st Quarter
Payroll		136,240.93
Fringe		72,535.97
		208,776.90
Operating Expense		2,199.99
Internal Svc Cost		2,199.99
Less: Sp Assessment Chgs		
Total		210,976.89

**Macomb County, Michigan**  
 Budget to Actual Report - By Org Key  
 1/1/2020 TO 3/31/2020

Key	Description	2020 Adopted Budget	2020 Final Budget	Encumbered	Actual	Variance	Pct Utilized
<b>Revenue Accounts</b>							
69999	MISCELLANEOUS	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Other Revenue	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	100.00 %
67719	PERSONAL SERVICES	1,781,400.00	1,781,400.00	0.00	0.00	-1,781,400.00	0.00 %
	Total Reimbursements	<u>1,781,400.00</u>	<u>1,781,400.00</u>	<u>0.00</u>	<u>0.00</u>	<u>-1,781,400.00</u>	0.00 %
69905	PRIOR YR REV-FUND BALANCE	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Prior Year Revenue	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	100.00 %
	Total Revenue Accounts	<u>1,781,400.00</u>	<u>1,781,400.00</u>	<u>0.00</u>	<u>0.00</u>	<u>-1,781,400.00</u>	0.00 %
<b>Expense Accounts</b>							
70200	SAL & WAGE - BASE PAY	1,112,431.00	1,112,431.00	0.00	239,720.10	872,710.90	21.54 %
70201	CONTRA - BASE PAY	0.00	0.00	0.00	0.00	0.00	100.00 %
70203	SAL & WAGE-BUDGET PART TIME	36,792.00	36,792.00	0.00	7,162.63	29,629.37	19.46 %
70204	SAL & WAGE - RETRO PAY	0.00	0.00	0.00	0.00	0.00	100.00 %
70207	SAL & WAGE - COLA	0.00	0.00	0.00	0.00	0.00	100.00 %
70208	SAL & WAGE - IN LIEU OF MED	0.00	0.00	0.00	0.00	0.00	100.00 %
70209	SAL & WAGE - TEMP/EXTRA-HIRE	0.00	0.00	0.00	0.00	0.00	100.00 %
70211	SAL & WAGE - OVERTIME	25,000.00	25,000.00	0.00	28,103.46	-3,103.46	112.41 %
70212	SAL & WAGE - STANDBY PAY	0.00	0.00	0.00	4,683.82	-4,683.82	100.00 %
70214	SAL & WAGE - LONGEVITY	2,200.00	2,200.00	0.00	0.00	2,200.00	0.00 %
70216	SAL & WAGE - CAR ALLOWANCE	0.00	0.00	0.00	401.20	-401.20	100.00 %
70217	SAL & WAGE - ANN'L LEAV-PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70218	SAL & WAGE - SICK LEAVE-PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70221	SAL & WAGE-TRNSCRT/CT REPORTR	20,000.00	20,000.00	0.00	0.00	20,000.00	0.00 %
70226	SAL & WAGE-LUMP SUM	0.00	0.00	0.00	6,250.00	-6,250.00	100.00 %
70227	SAL & WAGE - EMP PROV VEH	0.00	0.00	0.00	0.00	0.00	100.00 %
70228	SAL & WAGE - GRP LIFE >\$50K	0.00	0.00	0.00	0.00	0.00	100.00 %
70298	SAL & WAGE - OTHER	0.00	0.00	0.00	24.81	-24.81	100.00 %
	Total Salaries and Wages	<u>1,196,423.00</u>	<u>1,196,423.00</u>	<u>0.00</u>	<u>286,346.02</u>	<u>910,076.98</u>	23.93 %
71510	FICA - OASDI	74,174.00	74,174.00	0.00	17,704.06	56,469.94	23.86 %

Report: GL80DCY

Fund: 101 General Fund

Key: 10144150 PW-Waste Water Services Div

### Macomb County, Michigan

Budget to Actual Report - By Org Key

1/1/2020 TO 3/31/2020

Fiscal Year: 2020

Fiscal Period: 03

Key	Description	2020		Encumbered	Actual	Variance	Pct Utilized
		Adopted Budget	Final Budget				
71515	FICA - MEDICARE	17,347.00	17,347.00	0.00	4,140.45	13,206.55	23.86 %
71516	CONTRA-FICA/MEDICARE	0.00	0.00	0.00	0.00	0.00	100.00 %
71520	HOSPITALIZATION INSURANCE	216,796.00	216,796.00	0.00	52,475.50	164,320.50	24.20 %
71521	DENTAL INSURANCE	12,120.00	12,120.00	0.00	3,003.19	9,116.81	24.77 %
71526	CONTRA-EMP HLTH/DENTAL/LIFE	0.00	0.00	0.00	0.00	0.00	100.00 %
71529	RETIREE MEDICAL	102,468.00	102,468.00	0.00	19,887.00	82,581.00	19.40 %
71530	LIFE INSURANCE - BASE	833.00	833.00	0.00	65.64	767.36	7.87 %
71540	PENSION	56,196.00	56,196.00	0.00	14,055.00	42,141.00	25.01 %
71542	PENSION DEFINED CONTRIB	40,749.00	40,749.00	0.00	15,827.40	24,921.60	38.84 %
71546	CONTRA-PENS/RET MED	0.00	0.00	0.00	0.00	0.00	100.00 %
71560	WORKER'S COMPENSATION	2,393.00	2,393.00	0.00	593.22	1,799.78	24.78 %
71570	UNEMPLOYMENT COMPENSATION	0.00	0.00	0.00	0.00	0.00	100.00 %
71580	LONG-TERM DISABILITY	2,367.00	2,367.00	0.00	519.40	1,847.60	21.94 %
71589	COMPENSATED ABSENCES	31,834.00	31,834.00	0.00	7,164.71	24,669.29	22.50 %
71591	CONTRA-WCOMP/UNEMP/OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
	<b>Total Fringe Benefits</b>	<u>557,277.00</u>	<u>557,277.00</u>	<u>0.00</u>	<u>135,435.57</u>	<u>421,841.43</u>	<u>24.30 %</u>
72624	SUPPLIES - OFFICE	0.00	0.00	0.00	0.00	0.00	100.00 %
72901	POSTAGE & DELIVERY	0.00	0.00	0.00	0.00	0.00	100.00 %
92110	CELL PHONES/AIRCARDS	0.00	0.00	0.00	0.00	0.00	100.00 %
93099	REPAIRS & MAINT - EQUIP OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
96104	VEHICLE-GASOLINE	0.00	0.00	0.00	0.00	0.00	100.00 %
	<b>Total Operating Expenses</b>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>100.00 %</u>
91101	INSURANCE -LIABILITY	17,100.00	17,100.00	0.00	4,275.00	12,825.00	25.00 %
91103	INSURANCE -FLEET	4,500.00	4,500.00	0.00	0.00	4,500.00	0.00 %
96103	INTER SERV-TELEPHONE	6,100.00	6,100.00	0.00	0.00	6,100.00	0.00 %
	<b>Total Internal Service Costs</b>	<u>27,700.00</u>	<u>27,700.00</u>	<u>0.00</u>	<u>4,275.00</u>	<u>23,425.00</u>	<u>15.43 %</u>
97002	NEW EQUIPMENT	0.00	0.00	0.00	0.00	0.00	100.00 %
97003	FURN & EQUIP-NON CAPITAL	0.00	0.00	0.00	0.00	0.00	100.00 %
	<b>Total Capital Outlay</b>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>100.00 %</u>
	<b>Total Expense Accounts</b>	<u>1,781,400.00</u>	<u>1,781,400.00</u>	<u>0.00</u>	<u>426,056.59</u>	<u>1,355,343.41</u>	<u>23.91 %</u>

Report: GL80DCY  
 Fund: 101 General Fund  
 Key: 10144150 PW-Waste Water Services Div

**Macomb County, Michigan**  
 Budget to Actual Report - By Org Key  
 1/1/2020 TO 3/31/2020

Fiscal Year: 2020  
 Fiscal Period: 03

Key	Description	2020 Adopted Budget	2020 Final Budget	Encumbered	Actual	Variance	Pct Utilized
	Revenue	1,781,400.00	1,781,400.00	0.00	0.00	-1,781,400.00	
	Expenses	1,781,400.00	1,781,400.00	0.00	426,056.59	1,355,343.41	
	Net	0.00	0.00	0.00	-426,056.59	-426,056.59	

10144150 - PW-Waste Water Services Div	
	1st Quarter
Payroll	286,346.02
Fringe	135,435.57
	421,781.59
Operating Expense	
Internal Svc Cost	4,275.00
Capital Outlay	4,275.00
Total	426,056.59



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 6/9/20
4. SET ID VP200609NA		5. POST DATE

**PARENT RECORD INFORMATION**

6. VENDOR NAME (Check to be issued to) Doetsch	7. VENDOR NUMBER V01332	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 71240	10. Invoice Date 5/31/2020	11. Invoice Amount \$ 32,550.00
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**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	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object							
A	8210017M	80126	CC0004	80126	WO19115	8 1/2 Mile Relief	Wet Well Cleaning	\$ 32,550.00	GEN		
B											
C											
D											
23											
F											
G											

REV 09/2018

23. Total: \$ 32,550.00

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: BH/mh 8 1/2 Mile Relief

26. Chief Deputy: N/A

27. Engineers: 6/16/2020

28. Managers: 7/13/2020

29. Coordinator: \_\_\_\_\_

30. Drain: \_\_\_\_\_

31. Project Balance: \_\_\_\_\_

32. Staff Date: \_\_\_\_\_

33. Board Date: \_\_\_\_\_

34. Select For Pay Date: \_\_\_\_\_

# DOETSCH

## ENVIRONMENTAL SERVICES

21221 Mullin Ave. Warren, MI 48089  
 Phone: 586-755-2090 Fax: 586-755-2099  
 www.doetschenv.com

**Bill To:**

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

**Ship to:**

CHAPATON PUMP STATION

INVOICE DATE	INVOICE NUMBER	CUSTOMER PO	PAYMENT TERMS
May 31, 2020	71240		Net 10 Days

7.00 VACTOR 2100

4,650.00 P/DAY

- 05/10 - MOBILIZATION
- 05/20 - MOBILIZATION
- 05/22 - CLEAN
- 05/26 - CLEAN
- 05/27 - CLEAN
- 05/28 - CLEAN
- 05/29 - CLEAN
- 05/30 - DEMOBILIZATION
- 06/01 - DEMOBILIZATION

32,550.00

Total Invoice Amount  
 Payment/Credit Applied

32,550.00

Check/Credit Memo

**TOTAL**

32,550.00





# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST  
PUBLIC WORKS DIVISION

Mark A. Hackel  
County Executive

1. PREPARED BY (Please Type) <b>Michelle Houvener</b>	2. PHONE # <b>95966</b>	3. DATE <b>6/23/20</b>
4. SET ID <b>VP 200623MA</b>		6. POST DATE

<b>PARENT RECORD INFORMATION</b>	
6. VENDOR NAME (Check to be issued to) <b>Fishbeck</b>	7. VENDOR NUMBER <b>V44063</b>
8. ADDR CODE <b>01</b>	9. Invoice No (MAX = 16 CHARACTERS) <b>392745</b>
10. Invoice Date <b>6/22/2020</b>	11. Invoice Amount <b>\$ 6,063.75</b>

CHILD RECORD DETAIL INFORMATION			
Line	General Ledger		OPTIONAL
	12. Org Key	13. Object	17. Secondary Reference (MAX = 16 CHARACTERS)
A	8210017M	80138	Pjt #190051 through 6/12/20
B			
C			
D			
E			
F			
G			

23. Total: \$ **6,063.75** REV 09/2018

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

25. Finance Officer:	<b>BM/mh</b>	30. Drain:	<b>8 1/2 Mile Relief</b>
26. Chief Deputy:		31. Project Balance:	<b>\$105,506.01</b>
27. Engineers:		32. Staff Date:	<b>6/30/2020</b>
28. Managers:		33. Board Date:	<b>7/13/2020</b>
29. Coordinator:		34. Select For Pay Date:	

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

<b>WORK ORDER NUMBER</b>	WO19005
<b>PROJECT NUMBER</b>	WWS-2019-001
<b>PROJECT NAME</b>	As-Needed General Engineering Services
<b>DRAINAGE DISTRICT</b>	Eight and One-Half Mile Relief Drain Drainage District
<b>CONSULTANT NAME</b>	Fishbeck
<b>INVOICE DATE</b>	6/21/2020
<b>INVOICE START DATE</b>	5/16/2020
<b>INVOICE END DATE</b>	6/12/2020
<b>ORIGINAL CONTRACT AMOUNT</b>	\$ 151,919.00
<b>CHANGE ORDER TOTAL</b>	\$ 75,000.00
Change Order No. 1	\$ 75,000.00
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
<b>TOTAL REVISED CONTRACT AMOUNT</b>	\$ 226,919.00
(includes all approved change orders only)	
<b>TOTAL AMOUNT PREVIOUSLY INVOICED</b>	\$ 115,349.24
<b>TOTAL AMOUNT DUE THIS INVOICE</b>	\$ 6,063.75
<b>TOTAL BUDGET REMAINING</b>	\$ 105,506.01
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



1.A - Task 1a - Chapaton Structural Study

Expenses

Account / Vendor

**Subconsultant**

Anderson Eckstein & Westrick Inc

<u>Cost</u>	<u>Multiplier</u>	<u>Amount</u>
5,775.00	1.05	6,063.75
<b>Total Expenses</b>		<b>6,063.75</b>

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

**6,063.75**



# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST  
PUBLIC WORKS DIVISION

Mark A. Hackel  
County Executive

1. PREPARED BY (Please Type) <b>Michelle Houvener</b>	2. PHONE # <b>95966</b>	3. DATE <b>6/23/20</b>
4. SET ID <b>VP200623MUA</b>		5. POST DATE

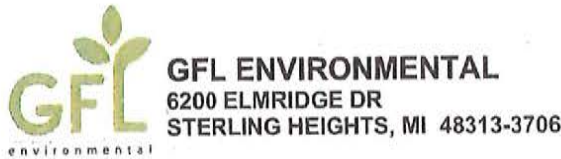
<b>PARENT RECORD INFORMATION</b>					
6. VENDOR NAME (Check to be issued to) <b>Green For Life</b>	7. VENDOR NUMBER <b>V46134</b>	8. ADDR CODE <b>05</b>	9. Invoice No (MAX = 16 CHARACTERS) <b>44960742</b>	10. Invoice Date <b>6/15/2020</b>	11. Invoice Amount <b>\$ 1,530.00</b>

CHILD RECORD DETAIL INFORMATION									
Line	Job Ledger		16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22 Sep CK
	12. Org Key	13. Object							
A	8210017M	92800	CC0004	92800	WO18006 : 8 1/2 Mile Relief	\$ 1,530.00	GEN		
B									
C									
D									
E									
F									
G									

23. Total: \$ **1,530.00**

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	<b>Bm/mh</b>	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	6/30/2020
28. Managers:		33. Board Date:	7/13/2020
29. Coordinator:		34. Select For Pay Date:	



**INVOICE**

**PAYMENT DUE:**  
**07-15-20**

**SERVICE ADDRESS:**  
CHAPATON PUMP STATION  
23001 E MILE RD #9  
ST CLAIR SHORES, MI 48080

**INVOICE NUMBER:** 0044960742  
**INVOICE DATE:** 06-15-20  
**SERVICE PERIOD:** JULY

**BILLING CONTACT #:**  
(586) 260-4908

**ACCOUNT #: 001724936**

PREVIOUS BALANCE		0.00
CURRENT CHARGES	+	1,530.00
PAYMENTS/ADJUSTMENTS	-	0.00
BALANCE NOW DUE	=	1,530.00

DATE	DESCRIPTION	QTY X UNIT PRICE	TOTAL
	*** SiteID 00002 - CHAPATON PUMP STATION 23001 E MILE RD #9		
05-27-20	10 CY DELIVERY ROLL OFF WO#0015416473	1.00 X 375.00	375.00
05-28-20	10 CY DELIVERY ROLL OFF WO#0015419811	1.00 X 375.00	375.00
06-01-20	10 CY DELIVERY ROLL OFF WO#0015436280	1.00 X 375.00	375.00
06-04-20	Analytical for Sludge Manifest for State/Landfill	1.00	405.00
	Sub Total Services Only:		1,530.00
	Sub Total Taxes, Oil/Environmental & Fees:		0.00
	Site Sub Total:		1,530.00
<b>Total New Charges</b>			<b>1,530.00</b>

**IMPORTANT NEWS:**

**GFL Environmental Offers Pay-By-Phone!**  
Call **1-844-464-3587**. Choices. Checking, Visa, American Express and Mastercard are accepted.

For Customer Service and Account Inquiries. Please call **(844) 464-3587**

**Convenience.** It's fast! Your statement is online right now. **Control.** You decide how and when to pay. To Enroll: [myaccount.gflusa.com](http://myaccount.gflusa.com)

To avoid late fees and service interruption, payments must be received by the due date. Except as may be otherwise provided by written contract, all past due balances will be assessed a 1.5% late fee with a minimum charge of \$5.00. By payment of this invoice, you are expressly confirming your consent to be contacted, with respect to this account, at the Billing Contact # reflected above.

PLEASE DETACH AND RETURN THE BOTTOM PORTION WITH YOUR PAYMENT

BE SURE TO WRITE YOUR INVOICE NUMBER ON YOUR CHECK.  
**CUSTOMER ACCOUNT #:** 001724936  
**INVOICE NUMBER:** 0044960742  
**PAYMENT DUE:** 07-15-20  
**TOTAL AMOUNT DUE:** **\$1,530.00**

Amount Enclosed \$

Remit to: [www.gflusa.com](http://www.gflusa.com)



Check here and see reverse for address and phone connections

8926306-626-1 1 1 626 1 AV 0.389 2

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

GFL ENVIRONMENTAL  
PO BOX 791519  
BALTIMORE, MD 21279-1519

00449607420017249360000153000000001530009000  
30

11082PSTM\_GFLMI 11/13/19 CMYK 3.58

8926306-626-1-1-1

# How to Read Your Statement

- 1 Customer Account Number:**  
For prompt service, please use this number when referring to your account.
- 2 Easy to Read:**  
All your services and the description of the associated charges are easy to understand.
- 3 New Charges Summary:**  
This information provides the dollar amount for the various services and transactions.
- 4 Important News:**  
Please read these important messages that may have an impact on your account or service.
- 5 Statement Review:**  
At-a-glance review of your statement and any outstanding charges.
- 6 Easy to Pay:**  
You can pay via mail, on-line or call us toll-free to expedite your remittance with automatic credit card payments.
- 7 Remit to:**  
If paying by mail, detach and mail to this address with your payment. Please include invoice number on your check.
- 8 On-Line Bill Payment:**  
Visit our website for on-line access to your account info and bill payment. Register for electronic delivery of your bill and free payment service.



**GFL ENVIRONMENTAL**  
3741 CONQUEST DRIVE  
GARNER, NC 27529

**SERVICE ADDRESS:**  
JOHN DOE  
100 MAIN ST  
BARTON, MS 39009-0009

**BILLING CONTACT:**  
(800) 999-0009 / 1234

**ACCOUNT #:** 012345678

PAGE 1 OF 1

**INVOICE**

**INVOICE NUMBER:** 123456789  
**INVOICE DATE:** 01-10-18  
**SERVICE PERIOD:** JANUARY - FEBRUARY

UPON RECEIPT

DESCRIPTION	AMOUNT	AMOUNT
GRASS CUT	1.00	1.00
WEED CONTROL	1.00	10.00
TOTAL NEW CHARGES		112.35

PREVIOUS BALANCE	112.35
NEW CHARGES	+ 112.35
PAID AMOUNTS	- 112.35
<b>BALANCE DUE</b>	<b>= 112.35</b>

**IMPORTANT NEWS:**  
Your invoice may reflect a price increase to cover rising operational costs and regulatory compliance.

**FOR CREDIT CARD AND AMEX:**  
Please call 1-800-999-0009 for more information.

**FOR MAIL:**  
Please detach and mail to the address on the back of this invoice.

**GFL ENVIRONMENTAL**  
3741 CONQUEST DRIVE  
GARNER, NC 27529

**JOHN DOE**  
100 MAIN ST  
BARTON, MS 39009-0009

**DESIGNER ACCOUNT #** 12345678  
**INVOICE NUMBER:** 123456789  
**TOTAL AMOUNT DUE:** 112.35

**Amount Enclosed:** \$

**Pay to the order of:** GFL ENVIRONMENTAL

**PO BOX 701519**  
BALTIMORE, MD 21279-1519

000000000002745120000002000000000000049102

## Billing Rights Summary

If you think your bill is incorrect, or if you need more information about the details of your bill, please contact us at the number listed on the front of your bill or email us at [mybilling@gflenv.com](mailto:mybilling@gflenv.com). We must hear from you no later than 60 days from the date of your bill on which the error occurred. Your bill shall be deemed correct unless disputed within 60 days from receipt.

## Electronic Funds Transfer Notice

If you pay by check, it will be converted into an "Electronic Funds Transfer" (EFT), a process in which your financial institution is electronically instructed to transfer funds from your account to ours in lieu of processing the check. By sending your completed check to us, you authorize us to use the account information therein to create an EFT for the amount indicated on the check. If the EFT cannot be processed for technical or other reasons, you authorize us to process an image replacement document, draft, or copy of your check.

## Late Fees & Service Fees

Except as may be otherwise provided by written contract, all past due balances will be assessed a 1.5% late fee with a minimum charge of \$5.00. GFL Environmental reserves the right to charge service related fees associated with but not limited to the following: setup fees, early termination fees, container return fees, etc

## Cancellation Policy and Proration Policy

The customer must provide notice of cancellation by phone or mail at the phone number or address on the front of your bill, or by email at [mybilling@gflenv.com](mailto:mybilling@gflenv.com). There will be no proration of billing and you will not be entitled to a refund if service is canceled during a billing cycle. You will remain responsible for all charges, fees and taxes through the end of the billing cycle (including the period between the notice of termination and the end of the current billing cycle). This provision will not apply if it is contrary to a current franchise agreement, municipal contract, or other written contract applicable to this account or is otherwise prohibited by law.

## Insufficient Funds Notice

If your check is returned for insufficient or uncollected funds (NSF), your signature on your check gives us permission to debit your checking account electronically for the uncollected amount. Payment by check constitutes your acceptance of these terms. For each returned check a fee will be assessed on your next billing equal to the maximum amount permitted by state law.

PLEASE PRINT ONLY NEW ADDRESS INFORMATION BELOW AND CHECK THE BOX ON THE REVERSE SIDE. THANK YOU.

## Address Change(s)

**NO ADDRESS CHANGES**

**ADDRESS CHANGES**

Phone Number: \_\_\_\_\_ E-mail Address: \_\_\_\_\_

Customer Account Number: \_\_\_\_\_

## Optional Payment Methods

### eBilling:

Invoices in an Instant! Enroll in eBilling at [myaccount.gflusa.com](http://myaccount.gflusa.com) and click My Account. No fees apply when paying through this method and your statement is always ready! You decide when to pay! Choose to enroll in automatic payments or pay on demand. Checking, Visa, American Express and Mastercard are accepted.

### Pay-By-Phone:

Call our toll-free number 1-844-464-3587 and have your account number ready. Checking, Visa, American Express and Mastercard are accepted. Fees will apply when using this method.



Mark A. Hackel  
County Executive

# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	6/23/20
4. SET ID		
5. POST DATE		
VP 200423MA		

**PARENT RECORD INFORMATION**

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
HESCO	V66420	01	20201305	6/19/2020	\$ 818.72

**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	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object							
A	8210017M	93002	CC0004	93002	WO18006	8 1/2 Mile Relief	Pjt #B20201160 Chapaton Pulsafeeder	\$ 818.72	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 818.72

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: BH/mh

26. Chief Deputy: \_\_\_\_\_

27. Engineers: \_\_\_\_\_

28. Managers: \_\_\_\_\_

29. Coordinator: \_\_\_\_\_

30. Drain: 8 1/2 Mile Relief

31. Project Balance: N/A

32. Staff Date: 6/30/2020

33. Board Date: 7/13/2020

34. Select For Pay Date: \_\_\_\_\_





**Knowledgeable • Professional • Attentive • Likeable**  
 23905 Freeway Park • Farmington Hills, MI 48335  
 Phone: 586.978.7200 • Fax: 586.978.2200  
 www.hesco-mi.com

Invoice No. 20201305

Date: 06/19/2020

**Billed To:** Macomb County Public Works Commission  
 Finance Dept  
 21777 Dunham Rd  
 Clinton Twp MI 48036

**Project:** B20201160 Chapaton Pulsafeeder hydratubes

**Contact:** P.O.# Verbal Pete Trombley **Salesperson:** Heather Walker **Due Date:** 07/19/2020

Description	Qty	Rate	Amount
Hydra Tube	2.000	399.36	798.72
freight	1.000	20.00	20.00

*Thank you for your prompt payment!*

Non-Taxable Amount:	818.72
Taxable Amount:	0.00
Sales Tax:	0.00
<b>Amount Due</b>	<b>818.72</b>



Mark A. Hackel  
County Executive

# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	6/9/20
4. SET ID		5. POST DATE
VP 200609NA		

6. VENDOR NAME (Check to be issued to)		7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Macomb County Treasurer		V01085	03	4-2020	3/31/2020	\$ 7,000.00

General Ledger		Job Ledger		CHILD RECORD DETAIL INFORMATION					
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	8210017M	72100			8 1/2 Mile	Personnel 2019-2020 Acctg Svcs	\$ 7,000.00	IPWK	G
B									
C									
D									
E									
F									
G									

23. Total: \$ 7,000.00

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:  
Reimbursement to General Fund for Accounting Personnel Services 2019-20

25. Finance Officer: Bulink 30. Drain: 8 1/2 Mile

26. Chief Deputy: \_\_\_\_\_ 31. Project Balance: N/A

27. Engineers: \_\_\_\_\_ 32. Staff Date: 6/16/2020

28. Managers: \_\_\_\_\_ 33. Board Date: 7/13/2020

29. Coordinator: \_\_\_\_\_ 34. Select For Pay Date: \_\_\_\_\_

# CANDICE S. MILLER

Invoice No. 4-2020

MACOMB COUNTY PUBLIC WORKS COMMISSIONER  
21777 Dunham  
Clinton Twp, Michigan 48036  
Phone: (586) 469-5325

## INVOICE

### Customer

Name Eight Half Mile Relief (0017)  
Address \_\_\_\_\_  
City \_\_\_\_\_

Date 3/31/2020

Description	TOTAL
Payback to General Fund for 75% of salary and fringe that was charged to General Fund for accounting services. 2019 - 2020  (Charged annually)  <b>PLEASE MAKE CHECK PAYABLE TO:</b> Macomb County Public Works	\$7,000.00
<b>TOTAL</b>	<b>\$7,000.00</b>

For Office Use Only:

Date Received _____
Amount Received _____
Check No. _____
Deposit Date _____
Receipt No. _____
Voucher No./Date _____

Due Upon Receipt

BY: Bruce Manning  
Bruce Manning Financial Manager



Mark A. Hackel  
County Executive

# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	6/16/20
4. SET ID		5. POST DATE
VP 200609MA		

### PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Marino's Landscape	V66876	01	9280	5/31/2020	\$ 867.00

### 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 (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)				
A	8210017M	92900	CC0004	92900	W018006	8 1/2 Mile Relief	\$ 867.00	GEN		
B										
C										
D										
E										
F										
G										

REV 09/2018

23. Total: \$ 867.00

### 24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:

BH/mh

30. Drain: 8 1/2 Mile Relief

26. Chief Deputy:

N/A

27. Engineers:

6/16/2020

28. Managers:

7/13/2020

29. Coordinator:

34. Select For Pay Date:

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



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

PO #  
Invoice # 9280  
Invoice Date 5/31/2020  
Invoice Balance 867.00

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

Date	Description
5/6/2020	Lawn Maintenance
5/12/2020	Lawn Maintenance
5/26/2020	Lawn Maintenance

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

Qty	Price	Total
1.00	289.00	289.00
1.00	289.00	289.00
1.00	289.00	289.00

Subtotal 867.00  
Invoice Total 867.00  
Invoice Balance 867.00

Client Name Macomb County Public Works Office  
For 23001 E. 9 Mile Rd. - Chapaon 8 1/2 Mile, St Clair Shores MI 48080  
Invoice # 9280  
Invoice Date 5/31/2020  
Invoice Balance 867.00  
Amount Enclosed

### PAYMENT STUB

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

Card #  
Exp. Date  
Signature

*Invoices are due by terms listed. A monthly Finance Charge of 1 1/2% will be added monthly to balance 30 days past due.*  
**NEW FOR 2019 Client portal - make payments and more!**  
<http://marinoslandscape.manageandpaymyaccount.com>  
*(If you do not have your login information contact our office)*  
Thank you for choosing Marino's Landscape.



Mark A. Hackel  
County Executive

# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	6/17/20
4. SET ID		
5. POST DATE		
VP 200623MA		

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Premier Safety	V62291	01	4180090	6/16/2020	\$ 736.70

General Ledger		Job Ledger		OPTIONAL			19. Amount	20. DIV	21. MISC	22. Sep CK
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	8210017M	93002	93002	WO18006	8 1/2 Mile Relief	Cust #1007555, Order #S4071778	\$ 552.52	GEN		
B	8210072M	93002			Martin	Cust #1007555, Order #S4071778	\$ 110.50	GEN		0
C	8713018M	93002			SEMCWWDS	Cust #1007555, Order #S4071778	\$ 73.68	GEN		0
D										
E										
F										
G										

23. Total: \$ 736.70 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	BH/mh	30. Drain:	8 1/2 Mile; Martin; SEMCWWDS
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	6/30/2020
28. Managers:		33. Board Date:	N/A
29. Coordinator:		34. Select For Pay Date:	



46400 CONTINENTAL DR  
 CHESTERFIELD, MI 48047-5206  
 PH 586-840-3200 FX 586-840-3201

REMIT TO  
 Premier Safety  
 PO Box 33757  
 Detroit MI 48232-3757

**Repair Invoice**

INVOICE #	04180090
LOCATION	04
DATE	06/16/20
PAGE	1 of 5

BILL TO  
 1007555  
 MACOMB CTY PUBLIC WORKS  
 ATTN:\*\*\*\*EMAIL INVOICES\*\*\*\*  
 21777 DUNHAM RD  
 CLINTON TOWNSHIP, MI 48036-1005

SHIP TO  
 MACOMB COUNTY DPW  
 46410 CONTINENTAL DR  
 CHESTERFIELD, MI 48047-5206

ORDER NUMBER S4071778	ORDER DATE 05/27/20	CUSTOMER P/O NUMBER AUTHORIZED BY PETE	PAYMENT TERMS NET 30 DAYS			
CUSTOMER SALES REP MIKE WYLIE		CONTACT PETE TROMBLEY	SHIP VIA WILL CALL			
FREIGHT TERMS PICK UP		JOB NUMBER	SALES PERSON DIMITRI PERVOLARAKIS			
PRODUCT/DESCRIPTION	QUANTITY OPEN	QUANTITY SHIPPED	QUANTITY BACKORDERED	PRICE	U/M	EXTENSION

-----> Description Of Repair Job A <-----

FILTER IS DIRTY, REAR COVER DEFECTIVE.  
 MGPM IS REQUIRED.

-----> Solution Of Repair Job A <-----

A NEW SENSOR FILTER & REAR COVER WERE INSTALLED.  
 MGPM WAS PERFORMED.  
 THE MONITOR WAS INSPECTED, CALIBRATED & TESTED FOR PROPER  
 OPERATION.

KA415-1073038 C.BW.GASALERTMICROCLIPX3	1	1	0	190.0000	EA	190.00
<b>MGPM</b> MULTIGAS PREVENTATIVE MAINTENANCE	1	1	0	30.0000	EA	30.00
<b>CALGAS</b> CALIBRATION GAS CHARGE	1	1	0	10.9000	EA	10.90
<b>BWMC2-SS-K1</b> MICROCLIP FILTERS, 10/PK	1	1	0	22.0000	EA	22.00
<b>HONMCX3-BC1</b> MCX3 REPLACEMENT BACK ENCLOSUR E (YELLOW)	1	1	0			

-----> Description Of Repair Job B <-----

Continued



46400 CONTINENTAL DR  
 CHESTERFIELD, MI 48047-5206  
 PH 586-840-3200 FX 586-840-3201

REMIT TO  
 Premier Safety  
 PO Box 33757  
 Detroit MI 48232-3757

**Repair Invoice**

INVOICE #	04180090
LOCATION	04
DATE	06/16/20
PAGE	2 of 5

BILL TO

1007555  
 MACOMB CTY PUBLIC WORKS  
 ATTN:\*\*\*\*EMAIL INVOICES\*\*\*\*  
 21777 DUNHAM RD  
 CLINTON TOWNSHIP, MI 48036-1005

SHIP TO

MACOMB COUNTY DPW  
 46410 CONTINENTAL DR  
 CHESTERFIELD, MI 48047-5206

ORDER NUMBER S4071778	ORDER DATE 05/27/20	CUSTOMER P/O NUMBER AUTHORIZED BY PETE	PAYMENT TERMS NET 30 DAYS
CUSTOMER SALES REP MIKE WYLIE	CONTACT PETE TROMBLEY		SHIP VIA WILL CALL
FREIGHT TERMS PICK UP	JOB NUMBER		SALES PERSON DIMITRI PERVOLARAKIS

PRODUCT/DESCRIPTION	QUANTITY OPEN	QUANTITY SHIPPED	QUANTITY BACKORDERED	PRICE	U/M	EXTENSION
---------------------	---------------	------------------	----------------------	-------	-----	-----------

SENSOR FILTER IS DIRTY.  
 MGPM IS REQUIRED.  
 -----> Solution Of Repair Job B <-----

A NEW SENSOR FILTER WAS INSTALLED.  
 MGPM WAS PERFORMED.  
 THE MONITOR WAS INSPECTED, CALIBRATED & TESTED FOR PROPER OPERATION.

KA415-1081654  
 C.BW.GASALERTMICROCLIPX3

<b>MGPM</b>	1	1	0	190.0000	EA	190.00
MULTIGAS PREVENTATIVE MAINTENANCE						
<b>CALGAS</b>	1	1	0	30.0000	EA	30.00
CALIBRATION GAS CHARGE						
<b>BWMC2-SS-K1</b>	1	1	0	10.9000	EA	10.90
MICROCLIP FILTERS, 10/PK						

-----> Description Of Repair Job C <-----

SENSOR FILTER IS DIRTY, REAR COVER DEFECTIVE.  
 MGPM IS REQUIRED.

-----> Solution Of Repair Job C <-----

Continued





46400 CONTINENTAL DR  
 CHESTERFIELD, MI 48047-5206  
 PH 586-840-3200 FX 586-840-3201

REMIT TO  
 Premier Safety  
 PO Box 33757  
 Detroit MI 48232-3757

**Repair Invoice**

INVOICE #	04180090
LOCATION	04
DATE	06/16/20
PAGE	3 of 5

BILL TO  
 1007555  
 MACOMB CTY PUBLIC WORKS  
 ATTN:\*\*\*\*EMAIL INVOICES\*\*\*\*  
 21777 DUNHAM RD  
 CLINTON TOWNSHIP, MI 48036-1005

SHIP TO  
 MACOMB COUNTY DPW  
 46410 CONTINENTAL DR  
 CHESTERFIELD, MI 48047-5206

ORDER NUMBER S4071778	ORDER DATE 05/27/20	CUSTOMER P/O NUMBER AUTHORIZED BY PETE	PAYMENT TERMS NET 30 DAYS
CUSTOMER SALES REP MIKE WYLIE	CONTACT PETE TROMBLEY		SHIP VIA WILL CALL
FREIGHT TERMS PICK UP	JOB NUMBER		SALES PERSON DIMITRI PERVOLARAKIS

PRODUCT/DESCRIPTION	QUANTITY OPEN	QUANTITY SHIPPED	QUANTITY BACKORDERED	PRICE	U/M	EXTENSION
---------------------	------------------	---------------------	-------------------------	-------	-----	-----------

A NEW SENSOR FILTER & REAR COVER WERE INSTALLED.  
 MGPM WAS PERFORMED.  
 THE MONITOR WAS INSPECTED, CALIBRATED & TESTED FOR PROPER  
 OPERATION.

KA418-1128145  
 C.BW.GASALERTMICROCLIPX3

<b>MGPM</b> MULTIGAS PREVENTATIVE MAINTENANCE	1	1	0	190.0000	EA	190.00
<b>CALGAS</b> CALIBRATION GAS CHARGE	1	1	0	30.0000	EA	30.00
<b>BWMC2-SS-K1</b> MICROCLIP FILTERS, 10/PK	1	1	0	10.9000	EA	10.90
<b>HONMCX3-BC1</b> MCX3 REPLACEMENT BACK ENCLOSUR E (YELLOW)	1	1	0	22.0000	EA	22.00

Continued



46400 CONTINENTAL DR  
 CHESTERFIELD, MI 48047-5206  
 PH 586-840-3200 FX 586-840-3201

REMIT TO  
 Premier Safety  
 PO Box 33757  
 Detroit MI 48232-3757

**Repair Invoice**

INVOICE #	04180090
LOCATION	04
DATE	06/16/20
PAGE	4 of 5

BILL TO

1007555  
 MACOMB CTY PUBLIC WORKS  
 ATTN:\*\*\*\*EMAIL INVOICES\*\*\*\*  
 21777 DUNHAM RD  
 CLINTON TOWNSHIP, MI 48036-1005

SHIP TO

MACOMB COUNTY DPW  
 46410 CONTINENTAL DR  
 CHESTERFIELD, MI 48047-5206

ORDER NUMBER S4071778	ORDER DATE 05/27/20	CUSTOMER P/O NUMBER AUTHORIZED BY PETE	PAYMENT TERMS NET 30 DAYS			
CUSTOMER SALES REP MIKE WYLIE		CONTACT PETE TROMBLEY	SHIP VIA WILL CALL			
FREIGHT TERMS PICK UP		JOB NUMBER	SALES PERSON DIMITRI PERVOLARAKIS			
PRODUCT/DESCRIPTION	QUANTITY OPEN	QUANTITY SHIPPED	QUANTITY BACKORDERED	PRICE	U/M	EXTENSION

\*THE FOLLOWING APPLIES TO PREVENTATIVE MAINTENANCE SERVICES ONLY\*

AH 3-6 - provides a 3 month parts and labor warranty and no charge calibration service thru the 6 month Preventative Maintenance time frame. Customer to pay any shipping and handling charges and must indicate they are sending in for the no charge calibration service. No charge calibration service is only valid within the 6 month PM time frame. If the calibration fails then the unit will need to be serviced and charges will apply.

For Additional billing inquiries or concerns, please call 1-586-421-8196 or email ar@premiersafety.com.

MATERIAL/LABOR	TAX	FREIGHT	INVOICE TOTAL
736.70	0.00	0.00	736.70

PAYMENT APPLIED	0.00
CREDIT APPLIED	0.00
BALANCE DUE	736.70

**Premier Safety** The smart choice for safety and environmental solutions  
 Visit us online at [www.PremierSafety.com](http://www.PremierSafety.com)



Mark A. Hackel  
County Executive

# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	6/3/20
4. SET ID		5. POST DATE
VP200604MA		

<b>PARENT RECORD INFORMATION</b>	
6. VENDOR NAME (Check to be Issued to)	11. Invoice Amount
Tetra Tech, Inc.	9,800.00
7. VENDOR NUMBER	10. Invoice Date
V16060	6/2/2020
8. ADDR CODE	19. Amount
02	\$ 9,800.00
9. Invoice No (MAX = 16 CHARACTERS)	
51595965	

CHILD RECORD DETAIL INFORMATION				21. MISC	22. Sep CK
General Ledger		Job Ledger		20. DIV	
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)
OPTIONAL					
18. Description (MAX = 30 CHARACTERS)					
A	8210017M	80138	80138	WO20027	Pjt #200-16347-20001 thru 5/22/20
B					
C					
D					
E					
F					
G					

23. Total: \$ 9,800.00

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:  
SCADA Standards Development & Communications Study

25. Finance Officer:	BM/mh	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	\$22,000.00
27. Engineers:		32. Staff Date:	6/16/2020
28. Managers:		33. Board Date:	7/13/2020
29. Coordinator:		34. Select For Pay Date:	

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

**WORK ORDER NUMBER**

**PROJECT NUMBER**                      WWS-2020-008 (Tetra Tech 200-16347-20001/INV 51595965)

**PROJECT NAME**                        Nine Mile Pump Station Risk & Cost Evaluation

**DRAINAGE DISTRICT**

**CONSULTANT NAME**                  Tetra Tech of Michigan

**INVOICE DATE**                        6/2/2020

**INVOICE START DATE**                4/25/2020

**INVOICE END DATE**                  5/22/2020

<b>ORIGINAL CONTRACT AMOUNT</b>	\$ 31,800.00
<b>CHANGE ORDER TOTAL</b>	\$ -
Change Order No. 1	
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
<b>TOTAL REVISED CONTRACT AMOUNT</b>	\$ 31,800.00
(includes all approved change orders only)	
<b>TOTAL AMOUNT PREVIOUSLY INVOICED</b>	\$ -
<b>TOTAL AMOUNT DUE THIS INVOICE</b>	\$ 9,800.00
<b>TOTAL BUDGET REMAINING</b>	\$ 22,000.00
(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:** 51595965  
**INVOICE DATE:** 06/02/2020  
**SERVICES THROUGH:** 05/22/2020  
**FEDERAL TAX ID#:** 95-4148514  
**TERMS:** NET 30

Engineering Letter dated April 27, 2020

Client Contact: Vincent Astorino

**PROFESSIONAL SERVICES:**

**Project Number** 200-16347-20001 9 Mile Pump Station Risk and Cost Evaluation  
**Top Task** 001 Cost & Risk Evaluation

EVENT DESCRIPTION	TYPE	CURRENT AMOUNT
Spent to Date	Event	\$9,800.00
<b>TOTAL EVENT</b>		<b>\$9,800.00</b>
	<b>SUBTOTAL</b>	<b>\$9,800.00</b>
	<b>Total Top Task# 001</b>	<b>\$9,800.00</b>
	<b>Total Project# 200-16347-20001</b>	<b>\$9,800.00</b>

**TOTAL AMOUNT DUE THIS INVOICE:** \$9,800.00

Gross Contract Summary	
Contract Amount	\$31,800.00
Previously Billed	\$0.00
Current Billing	\$9,800.00
<b>Total Billed to Date</b>	<b>\$9,800.00</b>
Contract Balance Remaining	\$22,000.00

**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.



## PROJECT STATUS COMMUNICATION

DATE: May 29, 2020

PREPARED BY: Brian Rubel / Eric Geerlings

PROJECT: Macomb Co. Nine Mile Pump Station Risk and Cost Evaluation

Tt PROJECT NO: 200-16347-20001 CONTACT: Mr. Vince Astorino  
(INVOICE 51595965)

### Task completed or in-progress since last status communication.

Held internal project kickoff on April 30<sup>th</sup>. Coordinated with MCPWO that same day regarding hydraulics scenarios to model. On May 5<sup>th</sup>, held a conference call with Pete Trombley to review Chapaton Pump Station's reliability and maintenance history. Made significant progress running the core SWMM5 modeling scenarios. Started developing the conceptual opinion of cost. Started drafting portions of the letter report.

### Opportunities for cost avoidance or added value.

None identified at this time.

### Impediments, roadblocks, assistance needed.

None.

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

None.

### Schedule:

Approximately 5 weeks remain in the proposed 10-week schedule. We anticipate delivering our draft letter report in mid-to-late June.

### Next task or action items.

1. Complete the core SWMM5 modeling scenarios as previously aligned with MCPWO.
2. Align with MCPWO prior to modeling any additional lake level or design storm scenarios.
3. Complete risk assessment process, including review and use of the 2003 Power Reliability Study provided by Pete Trombley.
4. Complete conceptual opinion of cost.
5. Complete the letter report.
6. Review call with MCPWO.

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

Brian Rubel  
Project Manager

Phone: (734) 213-4081

Email: Brian.Rubel@tetrattech.com



# 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	6/9/20
4. SET ID		5. POST DATE
VP200609MA		

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	51597243
			10. Invoice Date
			6/5/2020
			11. Invoice Amount
			13,300.51

CHILD RECORD DETAIL INFORMATION											
Line	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	8210017C	80138	CC0004	80138	WO19004	8 1/2 Mile Relief	Pjt #200-16347-19001 thru 5/22/20	13,300.51	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 13,300.51

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:  
In-System Storage Devices - MEDC GRANT BALANCE \$1,700,815

25. Finance Officer:	DM/mh	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	\$1,030,294.77
27. Engineers:		32. Staff Date:	6/16/2020
28. Managers:		33. Board Date:	7/13/2020
29. Coordinator:		34. Select For Pay Date:	

REV 09/2018

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

<b>WORK ORDER NUMBER</b>	WO19004	
<b>PROJECT NUMBER</b>	WWS-2019-003	(Tetra Tech# 200-16347-19001)
<b>PROJECT NAME</b>	In-System Storage Devices	
<b>DRAINAGE DISTRICT</b>	Eight and One-Half Mile Relief Drain Drainage District	
<b>CONSULTANT NAME</b>	Tetra Tech of Michigan	
<b>INVOICE DATE</b>	6/05/2020 (Invoice 51597243)	
<b>INVOICE START DATE</b>	4/25/2020	
<b>INVOICE END DATE</b>	5/22/2020	
<b>ORIGINAL CONTRACT AMOUNT</b>	\$	481,098.00
<b>CHANGE ORDER TOTAL</b>	\$	949,435.00
Change Order No. 1	\$	949,435.00
Change Order No. 2		
Change Order No. 3		
Change Order No. 4		
<b>TOTAL REVISED CONTRACT AMOUNT</b>	\$	1,430,533.00
(includes all approved change orders only)		
<b>TOTAL AMOUNT PREVIOUSLY INVOICED</b>	\$	386,937.72
<b>TOTAL AMOUNT DUE THIS INVOICE</b>	\$	13,300.51
<b>TOTAL BUDGET REMAINING</b>	\$	1,030,294.77
(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:** 51597243  
**INVOICE DATE:** 06/05/2020  
**SERVICES THROUGH:** 05/22/2020  
**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** 01A **Project Management**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Nolta, Michael C.	Project Administrator	2.50	\$90.00	\$225.00
<b>TOTAL LABOR</b>		<b>2.50</b>		<b>\$225.00</b>
		<b>SUBTOTAL</b>		<b>\$225.00</b>

**Total Top Task# 01A \$225.00**

**Top Task** 01D **Basis of Design**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Fortier, Véronique	Sr Modeler	0.25	\$210.00	\$52.50
Geerlings, Eric P.	Project Engineer 1	27.50	\$155.00	\$4,262.50
Graf, Mitchell J.	Project Manager 2	1.00	\$200.00	\$200.00
Paison, William A.	Sr Engineer 1	3.00	\$215.00	\$645.00
Rubel, Brian M.	Program Manager	22.00	\$225.00	\$4,950.00
<b>TOTAL LABOR</b>		<b>53.75</b>		<b>\$10,110.00</b>
		<b>SUBTOTAL</b>		<b>\$10,110.00</b>

**Total Top Task# 01D \$10,110.00**

**Top Task** 02B **Design**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Geerlings, Eric P.	Project Engineer 1	4.00	\$155.00	\$620.00
Kaliman, Roger G.	Sr Engineer 1	8.50	\$180.00	\$1,530.00
Sissoko, Moussa D.	Sr Engineer 2	4.00	\$200.00	\$800.00
<b>TOTAL LABOR</b>		<b>16.50</b>		<b>\$2,950.00</b>
		<b>SUBTOTAL</b>		<b>\$2,950.00</b>

**Total Top Task# 02B \$2,950.00**

**Top Task** 02C **Bidding**

OTHER DIRECT CHARGES	TYPE	CURRENT QUANTITY	UNIT RATE	CURRENT AMOUNT
FEDERAL EXPRESS CORPORATION	Shipping - Overnight			\$15.51

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

**INVOICE NUMBER:** 51597243  
**INVOICE DATE:** 06/05/2020  
**SERVICES THROUGH:** 05/22/2020  
**FEDERAL TAX ID#:** 95-4148514  
**TERMS:** NET 30

<b>TOTAL OTHER DIRECT CHARGES</b>		<u>\$15.51</u>
	<b>SUBTOTAL</b>	<b>\$15.51</b>
	Total Top Task# 02C	<b>\$15.51</b>
	Total Project# 200-16347-19001	<b>\$13,300.51</b>
<b>TOTAL AMOUNT DUE THIS INVOICE:</b>		<b>\$13,300.51</b>

Gross Contract Summary	
Contract Amount	\$1,430,533.00
Previously Billed	\$386,937.72
Current Billing	\$13,300.51
Total Billed to Date	\$400,238.23
Contract Balance Remaining	\$1,030,294.77

**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.



DATE: May 29, 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 51597243)

**Tasks completed or in-progress since last status communication.**

- A contract amendment was executed by MCPWO on May 12<sup>th</sup> via Change Order #1, which authorized final design phase.
- Started soil boring coordination directly with the City of Eastpointe, City of St. Clair Shores (SCS), and SCS Parks Dept.
- Reviewed and summarized the Envision Sustainability Award process and likely outcome.
- Provided MCPWO with an approximate schedule of the major tasks.
- Compiled a list of initial technical questions from each discipline for MCPWO.
- Held a Design Kickoff Meeting conference call with MCPWO on May 29<sup>th</sup>.
- Aligned on the frequency of regular progress meetings, and technical progress meetings.
- Scheduled a conference call on June 9<sup>th</sup> at 1:00 PM for the RTC/telemetry discussion with MCPWO.

**Opportunities for cost avoidance or added value.**

None identified at this time.

**Impediments, roadblocks, assistance needed.**

A decision is needed regarding whether to pursue Envision Sustainability Award. It is most efficient to decide this early on in the project, especially if verification is desired at 95% design.

Getting answers to the initial list of technical questions will be beneficial to help keep the project on schedule. These questions were provided in the agenda for the Design Kickoff Meeting call on May 29<sup>th</sup>.

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

A request has been made to expedite the schedule by approximately 3 weeks to meet the recommended SRF timeline. Tetra Tech is reviewing this request and will confirm if this change in schedule will present challenges for completing the work within the approved budget.

**Schedule:**

Based on guidance from MCPWO, coordination with EGLE regarding the scope of the project will need to occur in July.

**Next task or action items.**

1. Obtain geotechnical boring permits from Eastpointe for Beaconsfield. Obtain authorization from SCS Parks Dept. for Welsh Park.
2. A check-in call with Steve Rozycki will be scheduled for the week of June 1<sup>st</sup>.
3. The RTC/telemetry discussion conference call has been scheduled for June 9<sup>th</sup> at 1:00 PM.
4. Bi-weekly coordination calls with Steve Rozycki on Wednesdays, starting on June 10<sup>th</sup>. Time of each meeting may vary.
5. Monthly progress meetings with other members of MCPWO will likely begin June 24<sup>th</sup>.

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

Brian Rubel  
Project Manager

Phone: (734) 649-4546

Email: Brian.Rubel@tetrattech.com



Mark A. Hackel  
County Executive

# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	6/1/20
4. SET ID	5. POST DATE	
VP 200604HA		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)
Wade Trim	V09446	02	2018186
			10. Invoice Date
			6/1/2020
			11. Invoice Amount
			\$ 6,270.08

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	8210017M	80138	80138	WO19073	8 1/2 Mile Relief	Pjt #MCW200601T, thru 4/25-5/22	\$ 6,270.08	GEN	
B									
C									
D									
E									
F									
G									

23. Total: \$ 6,270.08

REV 09/2018

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

25. Finance Officer: BM/mh

26. Chief Deputy: 8 1/2 Mile Relief

27. Engineers: \$53,135.05

28. Managers: 6/16/2020

29. Coordinator: 7/13/2020

30. Drain: 8 1/2 Mile Relief

31. Project Balance: \$53,135.05

32. Staff Date: 6/16/2020

33. Board Date: 7/13/2020

34. Select For Pay Date: \_\_\_\_\_

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

<b>WORK ORDER NUMBER</b>	19073
<b>PROJECT NUMBER</b>	WWS-2019-017
<b>PROJECT NAME</b>	Chapaton RTB Disinfection Improvements
<b>DRAINAGE DISTRICT</b>	Eight and One-Half Mile
<b>CONSULTANT NAME</b>	Wade Trim Associates, Inc.
<b>INVOICE DATE</b>	6/1/2020
<b>INVOICE START DATE</b>	4/25/2020
<b>INVOICE END DATE</b>	5/22/2020
<b>ORIGINAL CONTRACT AMOUNT</b>	\$ 107,780.00
<b>CHANGE ORDER TOTAL</b>	\$ -
Change Order No. 1	
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
<b>TOTAL REVISED CONTRACT AMOUNT</b>	\$ 107,780.00
(includes all approved change orders only)	
<b>TOTAL AMOUNT PREVIOUSLY INVOICED</b>	\$ 48,374.87
<b>TOTAL AMOUNT DUE THIS INVOICE</b>	\$ 6,270.88
<b>TOTAL BUDGET REMAINING</b>	\$ 53,135.05
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



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

# INVOICE

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

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

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

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

Invoice : 2018186  
Invoice Date : 6/1/2020  
Project : MCW200601T  
Project Name : Chapaton RTB Disinfection  
Improvements

For Professional Services Rendered For 4/25/2020 Through 5/22/2020

		Billings				
		Fee	Available	To Date	Previous	Current
		107,780.00	59,405.13	54,644.95	48,374.87	6,270.08
<i>Rate Labor</i>	6,242.50					
<i>Expenses</i>	27.58					

<b>Current Billings</b>	<u>6,270.08</u>
<b>Amount Due This Bill</b>	<u>6,270.08</u>

<b>Total Fee :</b>	107,780.00
<b>To Date Billings :</b>	<u>54,644.95</u>
<b>Total Remaining :</b>	53,135.05

100 - Project Management

Rate Labor

Class / Employee	Date	Hours	Rate	Amount
<b>Senior Professional</b>				
John Arvai	4/27/2020	0.25	260.0000	65.00
	4/29/2020	0.25	260.0000	65.00
	5/6/2020	1.00	260.0000	260.00
	5/11/2020	0.50	260.0000	130.00
	5/15/2020	1.00	260.0000	260.00
	5/19/2020	1.00	260.0000	260.00
	5/21/2020	0.50	260.0000	130.00
<b>Total Senior Professional</b>		4.50		1,170.00

**Total Rate Labor**

**1,170.00**

Expenses

Account / Vendor	Doc Number	Date	Cost	Multiplier	Amount
<b>Architectural/Engineering Supplies</b>					
John Arvai	ER000154180	5/14/2020	11.99	1.150	13.79
Jason Obrycki-Smith	ER000153977	4/29/2020	11.99	1.150	13.79
<b>Total Architectural/Engineering Supplies</b>			23.98		27.58
<b>Total Expenses</b>					<b>27.58</b>

**Total Bill Task: 100 - Project Management**

**1,197.58**

300 - 60% Design

Rate Labor

Class / Employee	Date	Hours	Rate	Amount	
<b>Engineer I</b>					
Jason Obrycki-Smith	4/27/2020	5.00	90.0000	450.00	
	4/28/2020	5.00	90.0000	450.00	
	4/29/2020	4.00	90.0000	360.00	
	4/30/2020	5.00	90.0000	450.00	
	5/1/2020	3.25	90.0000	292.50	
	5/4/2020	4.00	90.0000	360.00	
	5/5/2020	1.00	90.0000	90.00	
	5/6/2020	0.25	90.0000	22.50	
<b>Total Engineer I</b>		27.50		2,475.00	
<b>Project Aide III</b>					
Melanie A Phillips	5/12/2020	0.50	125.0000	62.50	
<b>Senior Professional</b>					
John Arvai	4/29/2020	1.00	260.0000	260.00	
	4/30/2020	2.50	260.0000	650.00	
	5/5/2020	0.25	260.0000	65.00	
Jeffrey W Reynhout	4/28/2020	2.00	260.0000	520.00	
	5/5/2020	1.00	260.0000	260.00	
	5/6/2020	2.00	260.0000	520.00	
	5/21/2020	1.00	260.0000	260.00	
<b>Total Senior Professional</b>		9.75		2,535.00	
<b>Total Rate Labor</b>					<b>5,072.50</b>

Project: MCW200601T - Chapaton RTB Disinfection Improvements

Invoice: 2018186

Total Bill Task: 300 - 60% Design

5,072.50

Total Project: MCW200601T - Chapaton RTB Disinfection Improvements

6,270.08

Work Description: Chapaton RTB Disinfection Improvements

Project management and coordination of design activities, staff and team meetings. Prepared monthly invoice and progress report. Prepared and submitted draft cost estimate. Incorporation of MCPWO comments and progressing 60% design.





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 6/1/20
4. SET ID VP200604MA		5. POST DATE

6. VENDOR NAME (Check to be issued to) Wade Trim		7. VENDOR NUMBER V09446	8. ADDR CODE 02	9. Invoice No (MAX = 16 CHARACTERS) 2018187	10. Invoice Date 6/1/2020	11. Invoice Amount \$ 8,312.67
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General Ledger				Job Ledger				OPTIONAL				CHILD RECORD DETAIL INFORMATION	
Line	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	8210017C	80138	CC0004	80138	WO19004	8 1/2 Mile Relief	Pjt #MCW200501T, 4/25-5/22	\$ 8,312.67	GEN				
B													
C													
D													
E													
F													
G													

23. Total: \$ 8,312.67

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:  
Chapaton RTB Canal Upgrades

25. Finance Officer: BMI/mh 30. Drain: 8 1/2 Mile Relief

26. Chief Deputy: \_\_\_\_\_ 31. Project Balance: \$140,268.33 (Grant Balance: \$1,692,502.33)

27. Engineers: \_\_\_\_\_ 32. Staff Date: 6/16/2020

28. Managers: \_\_\_\_\_ 33. Board Date: 7/13/2020

29. Coordinator: \_\_\_\_\_ 34. Select For Pay Date: \_\_\_\_\_

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

<b>WORK ORDER NUMBER</b>	19004
<b>PROJECT NUMBER</b>	WWS-2019-002
<b>PROJECT NAME</b>	Chapaton RTB Canal Upgrades
<b>DRAINAGE DISTRICT</b>	Eight and One-Half Mile
<b>CONSULTANT NAME</b>	Wade Trim Associates, Inc.
<b>INVOICE DATE</b>	6/1/2020
<b>INVOICE START DATE</b>	4/25/2020
<b>INVOICE END DATE</b>	5/22/2020
<b>ORIGINAL CONTRACT AMOUNT</b>	\$ 977,611.00
<b>CHANGE ORDER TOTAL</b>	\$ 410,263.00
Change Order No. 1	\$ 75,000.00
Change Order No. 2	\$ 335,263.00
Change Order No. 3	
Change Order No. 4	
<b>TOTAL REVISED CONTRACT AMOUNT</b>	\$ 1,387,874.00
(includes all approved change orders only)	
<b>TOTAL AMOUNT PREVIOUSLY INVOICED</b>	\$ 1,239,293.00
<b>TOTAL AMOUNT DUE THIS INVOICE</b>	\$ 8,312.67
<b>TOTAL BUDGET REMAINING</b>	\$ 140,268.33
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



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

# INVOICE

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

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

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

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

Invoice : 2018187  
Invoice Date : 6/1/2020  
Project : MCW200501T  
Project Name : Chapaton RTB Canal Upgrades

**For Professional Services Rendered For 4/25/2020 Through 5/22/2020**

\*\* All subconsultant invoices marked up 5% \*\*

		<u>Billings</u>				
		<u>Fee</u>	<u>Available</u>	<u>To Date</u>	<u>Previous</u>	<u>Current</u>
		1,387,874.00	148,581.00	1,247,605.67	1,239,293.00	8,312.67
<i>Rate Labor</i>	2,742.50					
<i>Expenses</i>	5,570.17					
<b>Current Billings</b>						<u>8,312.67</u>
<b>Amount Due This Bill</b>						<u>8,312.67</u>

Total Fee : 1,387,874.00  
To Date Billings : 1,247,605.67  
Total Remaining : 140,268.33

**1A1 - Project Management**

**Rate Labor**

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
<b>Senior Professional</b>				
John Arvai	4/27/2020	1.00	215.0000	215.00
	4/28/2020	0.50	215.0000	107.50
<b>Total Senior Professional</b>		1.50		322.50
<b>Total Rate Labor</b>				<b>322.50</b>
<b>Total Bill Task: 1A1 - Project Management</b>				<b>322.50</b>

**1EXP - Project Management Expenses**

**Expenses**

<i>Account / Vendor</i>	<i>Doc Number</i>	<i>Date</i>	<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>
<b>Architectural/Engineering Supplies</b>					
John Arvai	ER000153983	4/14/2020	11.99	1.100	13.19
Jason Obrycki-Smith	ER000153938	2/29/2020	11.99	1.100	13.19
<b>Total Architectural/Engineering Supplies</b>			23.98		26.38
<b>Total Expenses</b>					<b>26.38</b>
<b>Total Bill Task: 1EXP - Project Management Expenses</b>					<b>26.38</b>

**3F9 - 100% Permit Assistance**

**Rate Labor**

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
<b>Senior Professional</b>				
John Arvai	4/28/2020	0.50	215.0000	107.50
<b>Total Rate Labor</b>				<b>107.50</b>

**6A3 - MKSK**

**Expenses**

<i>Account / Vendor</i>	<i>Doc Number</i>	<i>Date</i>	<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>
<b>Subconsultants</b>					
MKSK INC	0020018024	1/31/2020	5,279.80	1.050	5,543.79
<b>Total Expenses</b>					<b>5,543.79</b>

**7A1 - Flushing System Study**

**Rate Labor**

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
<b>Engineer I</b>				
Tyler S Davidek	5/13/2020	1.00	100.0000	100.00
	5/14/2020	3.00	100.0000	300.00
	5/15/2020	3.00	100.0000	300.00
<b>Total Engineer I</b>		7.00		700.00
<b>Senior Professional</b>				
John Arvai	5/12/2020	0.25	215.0000	53.75
	5/14/2020	1.00	215.0000	215.00
	5/15/2020	2.25	215.0000	483.75
Jeffrey W Reynhout	4/27/2020	2.00	215.0000	430.00
	5/13/2020	2.00	215.0000	430.00

7A1 - Flushing System Study

Rate Labor

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
<b>Total Senior Professional</b>		7.50		1,612.50
		<b>Total Rate Labor</b>		<b>2,312.50</b>
<b>Total Bill Task: 7A1 - Flushing System Study</b>				<b>2,312.50</b>

Total Project: MCW200501T - Chapaton RTB Canal Upgrades

8,312.67

Work Description for Chapaton RTB Canal Upgrade:

Project management and coordination of project activities, staff and team meetings. Finalized and submitted flushing study to MCPWO.



462 South Ludlow Alley  
 Columbus, OH 43215  
 614-621-2796

Wade Trim Associates  
 John Arvai  
 jarvai@wadetrim.com  
 25251 Northline Road  
 Taylor, MI 48180

Invoice number 2200145  
 Date 02/28/2020

Project **k18101 St Clair Shores, Chapaton CSO Basin**

Professional Services for the Period ended January 31, 2020:

**\*\*Service Summary\*\***

**Professional Fees**

Additional Open Space Design Efforts

	Hours	Rate	Billed Amount
Associate	3.50	150.00	525.00
Landscape Architect II	39.52	115.00	4,544.80
Principal	1.00	210.00	210.00
Additional Open Space Design Efforts subtotal			5,279.80
Professional Fees subtotal	44.02		5,279.80
Invoice total			<b>5,279.80</b>



Wade Trim Associates  
Project k18101 St Clair Shores, Chapaton CSO Basin

Invoice number 2200145  
Date 02/28/2020

**Invoice Summary**

Description	Contract Amount	Prior Billed	Total Billed	Current Billed
Preliminary - Final Design	24,380.00	24,380.00	24,380.00	0.00
Additional Open Space Design Efforts	14,500.00	0.00	5,279.80	5,279.80
Total	38,880.00	24,380.00	29,659.80	5,279.80

**Aging Summary**

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
2191568	12/24/2019	4,011.39			4,011.39		
2191654	01/17/2020	4,963.26		4,963.26			
2200145	02/28/2020	5,279.80	5,279.80				
Total		14,254.45	5,279.80	4,963.26	4,011.39	0.00	0.00

Approved by:

Christopher E. Hostettler, C.P.A.  
C.F.O.

*Professional Services for the Period ended January 31, 2020:*

- 90% Documentation
- Preparation and workshop with design team,
- Preparation and workshop with Macomb county
- Drawing review

**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** 7/2/2020

**INVOICE START DATE** 5/23/2020

**INVOICE END DATE** 6/26/2020

<b>ORIGINAL CONTRACT AMOUNT</b>	\$ 107,780.00
<b>CHANGE ORDER TOTAL</b>	\$ -
Change Order No. 1	
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
<b>TOTAL REVISED CONTRACT AMOUNT</b>	\$ 107,780.00
(includes all approved change orders only)	
<b>TOTAL AMOUNT PREVIOUSLY INVOICED</b>	\$ 54,644.95
<b>TOTAL AMOUNT DUE THIS INVOICE</b>	\$ 12,083.79
<b>TOTAL BUDGET REMAINING</b>	\$ 41,051.26
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	





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

Invoice : 2018403  
Invoice Date : 7/2/2020  
Project : MCW200601T  
Project Name : Chapaton RTB Disinfection  
Improvements

For Professional Services Rendered For 5/23/2020 Through 6/26/2020

### Billings

	Fee	Available	To Date	Previous	Current
Rate Labor	12,070.00				
Expenses	13.79				
	107,780.00	53,135.05	66,728.74	54,644.95	12,083.79

Current Billings 12,083.79  
Amount Due This Bill 12,083.79

Total Fee : 107,780.00  
To Date Billings : 66,728.74  
Total Remaining : 41,051.26

Outstanding Receivables	Invoice Number	Date	Amount	Balance Due
	2018186	6/1/2020	6,270.08	<u>6,270.08</u>
				6,270.08

**100 - Project Management**

**Rate Labor**

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
<b>Project Aide II</b>				
Jack R Simmons	6/11/2020	1.50	90.0000	135.00
<b>Project Aide III</b>				
Melanie A Phillips	6/23/2020	0.50	125.0000	62.50
<b>Senior Professional</b>				
John Arvai	5/29/2020	1.00	260.0000	260.00
	6/1/2020	1.00	260.0000	260.00
	6/11/2020	0.25	260.0000	65.00
	6/16/2020	0.50	260.0000	130.00
	6/19/2020	0.50	260.0000	130.00
	6/22/2020	1.00	260.0000	260.00
<b>Total Senior Professional</b>		4.25		1,105.00
<b>Total Rate Labor</b>				<b>1,302.50</b>

**Expenses**

<i>Account / Vendor</i>	<i>Doc Number</i>	<i>Date</i>	<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>
<b>Architectural/Engineering Supplies</b>					
Jason Obrycki-Smith	ER000154427	6/1/2020	11.99	1.150	13.79
<b>Total Expenses</b>					<b>13.79</b>

**Total Bill Task: 100 - Project Management**

**1,316.29**

**400 - Final Design**

**Rate Labor**

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
<b>Engineer I</b>				
Jason Obrycki-Smith	5/26/2020	3.00	90.0000	270.00
	5/27/2020	0.50	90.0000	45.00
	5/29/2020	2.00	90.0000	180.00
	6/2/2020	3.00	90.0000	270.00
	6/3/2020	1.00	90.0000	90.00
	6/5/2020	2.00	90.0000	180.00
	6/8/2020	5.00	90.0000	450.00
	6/9/2020	5.00	90.0000	450.00
	6/10/2020	4.00	90.0000	360.00
	6/23/2020	0.50	90.0000	45.00
<b>Total Engineer I</b>		26.00		2,340.00
<b>Engineer III</b>				
Oneida Westhoff	6/1/2020	1.00	125.0000	125.00
	6/5/2020	2.00	125.0000	250.00
	6/10/2020	1.00	125.0000	125.00
	6/15/2020	0.50	125.0000	62.50
	6/16/2020	3.00	125.0000	375.00
<b>Total Engineer III</b>		7.50		937.50
<b>Engineering Specialist II</b>				
Robert J Marker	6/4/2020	1.00	165.0000	165.00



**Budget to Actual**  
**8.5 Mile Relief**  
**As of June 30, 2020 = 75%**

DESCRIPTION	2020 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
<b>REVENUE ACCOUNTS</b>					
Interest Earned	80,000		144,757	(64,757)	180.9%
Canal Expansion(SMSD and Macomb County)	-		3,000,000	(3,000,000)	0.0%
Other Revenue	5,000		1,376	3,624	27.5%
State Grant	-		-	-	0.0%
LSCWWI 04B Transfer	-		738,112	(738,112)	100.0%
8.5 O&M/Charge Required Revenue	4,279,768		4,279,768	-	100.0%
PY Revenue-Fund Balance	3,098,050		58,090	3,039,960	1.9%
Rental Fee	16,464		10,976	5,488	66.7%
<b>Total Revenue Accounts</b>	<b>7,479,282</b>	<b>-</b>	<b>8,233,079</b>	<b>(753,797)</b>	<b>110.1%</b>
<b>EXPENSE ACCOUNTS</b>					
Application/Permit Fee	3,000		6,000	(3,000)	200.0%
Dues, Training, Conf, Subs.	5,750		1,049	4,701	18.2%
<b>Engineering</b>					
As needed Engineering	75,000		45,674	29,326	60.9%
Chapaton Improvements-Office Space	500,000		12,647	487,353	2.5%
Disinfection system upgrade (Design and Construction)	1,000,000		54,645	945,355	5.5%
Basin Structural Integrity Study**	-		14,097	(14,097)	0.0%
Phase 1 TRC Basin Equipment**	-		20,105	(20,105)	0.0%
Security Fence Structure-Gate Act**	-		25,150	(25,150)	0.0%
HVAC Design	200,000			200,000	0.0%
Flushing Study	75,000			75,000	0.0%
RTB/PS Ventilation Design	120,000			120,000	0.0%
Chapaton Improvements-Lab Relocation	250,000		70,444	179,556	28.2%
Basin Expansion Design	775,000		596,614	178,386	77.0%
In-System Storage Design(Gates on 8.5 Tunnel)	1,200,000		309,320	890,680	25.8%
9 Mile & 8 1/2 Mile Rehab	75,000		20,691	54,309	27.6%
<b>New Equipment</b>					
Office Supplies	23,500		12,236	11,264	52.1%
Operating Supplies	1,000		362	638	36.2%
Other Professional Svcs	74,800		28,608	45,992	38.3%
Other Professional Svcs	46,800		38,098	8,702	81.4%
Personnel Services	979,953		438,700	541,253	44.8%
Repair & Maintenance	148,500		130,485	18,015	87.9%
Pumping and screening improvements	1,150,000		104,268	1,045,732	9.1%
SRF Replacement Reserve	259,215			259,215	0.0%
<b>Scada System</b>					
Scada System	243,839		119,174	124,665	48.9%
Utilities	273,125		195,975	77,150	71.8%
<b>Total Expense Accounts</b>	<b>7,479,282</b>	<b>-</b>	<b>2,244,342</b>	<b>5,234,940</b>	<b>30.0%</b>

	O&M Balance 9/30/2019	O&M	Total 6/30/2020
Cash - Operating	8,846,231	5,988,737	14,834,968
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		8,233,079	8,233,079
Expenditures		2,244,342	2,244,342
			0
Equity*	8,846,231		14,834,968

**Detail of 2019 Equity\***

Disinfection system upgrade (Design and Construction)	100,000	Basin Expansion Design	450,000
RTB/PS Ventilation Design	120,000	Pumping and screening improvements	1,215,000
Chapaton Improvements-Office Space	228,000	PLC Replacements at Chapaton East	40,000
In-System Storage Design (Gates on 8.5 Tunnel)	425,000	SRF Replacement Reserve	1,814,505
9 Mile & 8 1/2 Mile Rehab	67,800	Expansion Reserve (From State)	3,000,000
Scada Reserve	109,025	Capital Reserve	936,901
Phase 1 TRC Basin Equipment**	100,000	Basin Structural Integrity Study**	60,000
As needed Engineering	40,000	Painting interior and garage façade	20,000
HVAC Design	60,000	Security Fence Structure-Gate Act**	60,000

\*\* Project was projected to be completed during 18/19 budget cycle. However it was not completed, so funds designated in 18/19 for this project will be used in 19/20