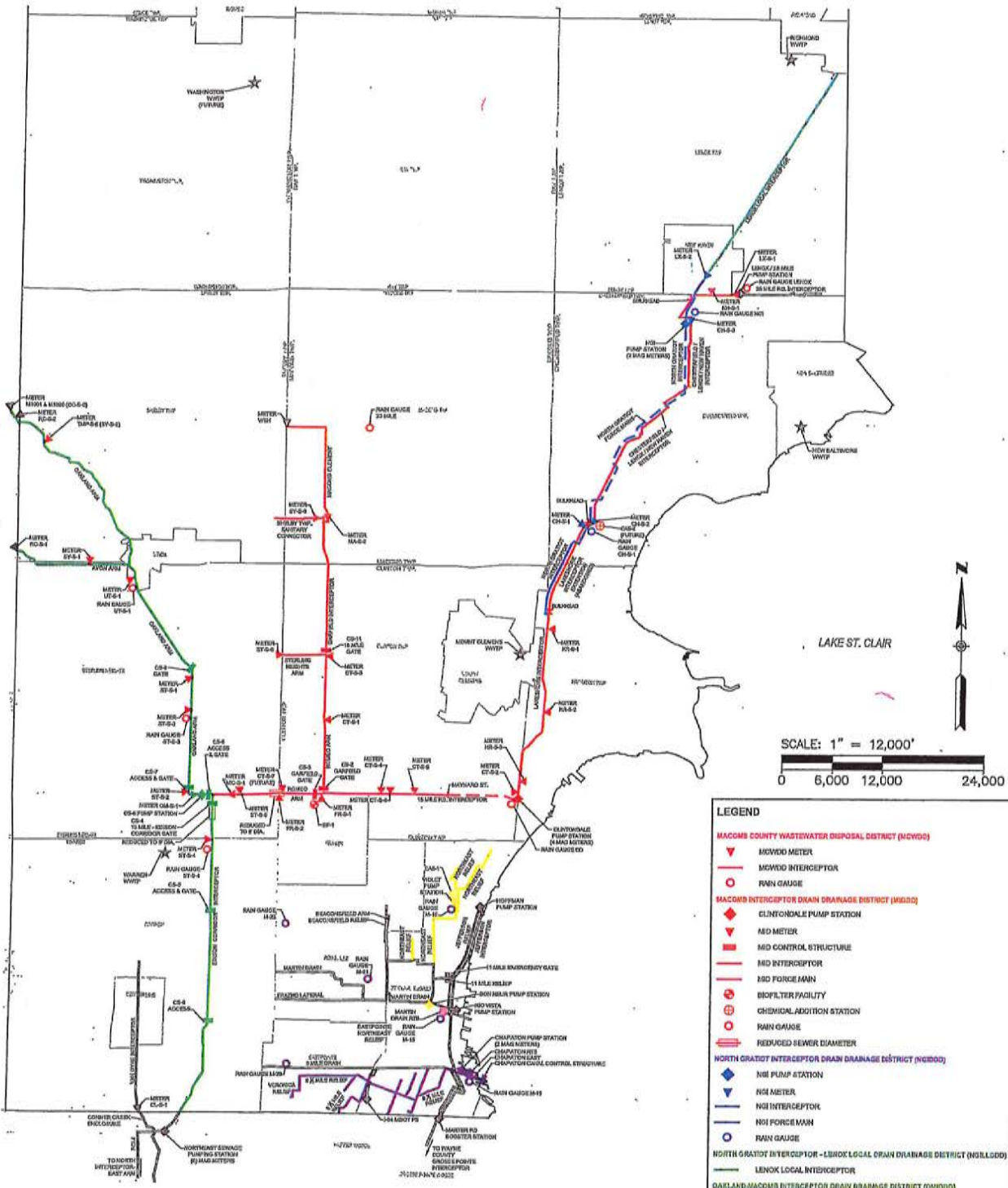


EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
NOVEMBER 19, 2018
10:30 A.M.
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for November 19, 2018	
3. Approval of Minutes for October 15, 2018	3
4. Public participation	
5. Project Updates – Vince Astorino	
6. Consideration for approval of invoices (see attached)	5
7. Financial Report – Bruce Manning	40
8. Adjourn	

MACOMB COUNTY WASTEWATER SYSTEMS



LEGEND

MACOMB COUNTY WASTEWATER DISPOSAL DISTRICT (MCWDD)

- MCWDD METER
- MCWDD INTERCEPTOR
- RAIN GAUGE

MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (MIIDD)

- CLINTONDALE PUMP STATION
- MIID METER
- MIID CONTROL STRUCTURE
- MIID INTERCEPTOR
- MIID FORCE MAIN
- BIOFILTER FACILITY
- CHEMICAL ADDITION STATION
- RAIN GAUGE
- REDUCED SEWER DIAMETER

NORTH GRATIOT INTERCEPTOR DRAIN DRAINAGE DISTRICT (NGIDD)

- NGI PUMP STATION
- NGI METER
- NGI INTERCEPTOR
- NGI FORCE MAIN
- RAIN GAUGE

NORTH GRATIOT INTERCEPTOR - LEROCK LOCAL DRAIN DRAINAGE DISTRICT (NGILLDOD)

- LEROCK LOCAL INTERCEPTOR

DAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (DMIDD)

- CS-8 PUMP STATION
- DMID METER
- DMID CONTROL STRUCTURE
- DMID 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

SEMIWAS DRAIN DRAINAGE DISTRICT (SEMIWAS)

- SEMIWAS PUMP STATION
- CHEMICAL ADDITION STATION
- SEMIWAS INTERCEPTOR

MARTIN SANITARY DIVERSION DRAINAGE DISTRICT (MSDD)

- MARTIN DRAIN RETENTION TREATMENT BASIN

OTHER SYSTEMS

- PUMP STATION
- METER
- WWTP
- INTERCEPTOR

Candice S. Miller
 MACOMB COUNTY PUBLIC WORKS COMMISSIONER



An adjourned meeting of the Intra-County Drainage Board for the **EIGHT AND ONE-HALF MILE RELIEF DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham, Clinton Township, Michigan, on October 15, 2018, at 10:50 A.M.

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

ALSO PRESENT: Veronica Klinefelt, Robert Leonetti, Robert Mijac, Macomb County Board of Commissioners; Brian Baker, Chief Deputy, Karen Czernel, Deputy, Vincent Astorino, Operations and Flow Manager, Evans Bantios, P.E., Construction and Maintenance Manager, Jeff Bednar, P.E., Environmental Resources Manager, Bruce Manning, Financial Manager, Dan Heaton, Public Relations Manager, Thomas Stockel, Construction Engineer, Tamara Keskeny, Manager Real Property, Barbara Delecke, Administrative Services, Macomb County Public Works (MCPW); Jordan Scott, Sterling Heights Public Works Department, Chris Dilbert, President, Village of New Haven

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

Minutes of the meeting of September 10, 2018 were presented. A motion was made by Ms. Klinefelt supported by Mr. Santo to approve the minutes as presented.

Adopted: YEAS: 3
NAYS: 0

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

Mr. Astorino highlighted some of the 20 plus projects in the 8 ½ Mile Relief Drainage District. If the total residual chlorine project is successful, it will be the first in Michigan. Studies are being conducted to determine whether there is storage available in other drainage systems that could be used to lessen future overflows.

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

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$71,044.11 to the board for review and approval.

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

Adopted: YEAS: 3
NAYS: 0

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

Adopted: YEAS: 3
NAYS: 0

There being no further business, it was moved by Ms. Klinefelt, supported by Mr. Santo, that the meeting of the Eight and One-Half Mile Relief Drain Board be adjourned.

Adopted: YEAS: 3
NAYS: 0

The meeting was adjourned at 11:09 a.m.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

STATE OF MICHIGAN
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taken by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on October 15, 2018 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: 10/18/18

9488.bd

EIGHT AND ONE-HALF MILE RELIEF DRAIN - 11/19/18

Funding Source	Appropriation	Manager	Vendor	Amount	Invoice Detail	Project Summary	Project Balance
8 1/2 Mile Relief	Chapter 20 State of MI - 16.04% County of Macomb - 2.25% Dept. of Roads - 2.25% Eastpointe - 54.33% St. Clair Shores - 25.13%	Astorino	DE-CAL, Inc.	\$ 647.32	Invoice #WO18250091 - 3/27/18	Repair Heater B Vent Fine Pipe - Chapaton E.	
		Astorino	DTE Energy	\$ 11,873.16	Monthly Electric - 9/11/18 - 10/8/18	SWPs	
		Astorino	DTN, LLC	\$ 529.60	Invoice #5427188 - 10/19/18	Storm Sentry Subscription	
		Astorino	Fluid Systems Engineering	\$ 760.00	Invoice #P-30005-0 - 10/12/18	PM on Accumulators A, B, C, D	
		Astorino	Grainger	\$ 2,495.86	Invoice #9913971595 - 9/24/18	Grinder Pump - Real-Time Chlorine Residual Pilot Program	
		Astorino	Green for Life	\$ 650.00	Invoice #RS0002589531 - 10/31/18	Roll-off Dumpster - Wet Well Cleaning	
		Astorino	HESCO	\$ 2,100.00	Application #4 - 10/12/18	PM Meters	
		Astorino	Jones Chemicals, Inc.	\$ 2,451.22	Invoice #770796 - 9/27/18	Hypochlorite Solution - 2,602 gallons	
		Astorino	Jones Chemicals, Inc.	\$ 4,146.26	Invoice #771372 - 10/3/18	Hypochlorite Solution - 4,579 gallons	
		Astorino	Jones Chemicals, Inc.	\$ 4,151.50	Invoice #774266 - 11/5/18	Hypochlorite Solution - 4,584 gallons	
		Astorino	Kennedy Industries, Inc.	\$ 2,200.00	Invoice #606283 - 9/28/18	Annual Maintenance on Flygt Pumps	
		Astorino	Macomb Community College	\$ 675.00	Invoice #005834328 - 11/1/18	Confined Space Entry - Heaton/Semrow	
		Astorino	Macomb County Treasurer	\$ 199,313.93	Invoice #AR180822 - 10/15/18	3rd Quarter Reimbursement - Personnel & Operating Expenses	
		Astorino	Marino's Landscape	\$ 1,375.00	Invoice #4997 - 8/31/18	Lawn Maintenance - August	
		Downing	Marino's Landscape	\$ 1,100.00	Invoice #5842 - 10/31/18	Grass Cutting	
		Astorino	McNaughton-McKay	\$ 1,408.43	Invoice #16121286-00 - 10/2/18	MODBUS for SWAN Unit (SCADA)	
		Astorino	Motor City Electric Technologies, Inc.	\$ 1,200.00	Invoice #92103 - 9/25/18	Design Chemical Pump Motor Repair	
		Astorino	Motor City Electric Technologies, Inc.	\$ 1,125.25	Invoice #92102 - 9/27/18	Repair Chemical Pump #4 Motor PLC	
		Astorino	OHM Advisors	\$ 2,986.25	Invoice #197995 - 10/4/18	Chapaton TRC Monitoring	\$ 6,760.00
		Astorino	OHM Advisors	\$ 990.00	Engineering Services - ending 9/22/18	Chapaton TRC Monitoring	\$ 5,770.00
		Astorino	St. Clair Shores	\$ 2,963.68	Invoice #198979 - 11/2/18	Chapaton RTB	
		Astorino	TestAmerica	\$ 770.00	Engineering Services - ending 10/20/18	Lab Analysis of Water	
		Astorino	TestAmerica	\$ 630.00	Water - 6/14/18 - 9/15/18	Lab Analysis of Water	
		Astorino	TestAmerica	\$ 980.00	Invoice #190000557 - 10/8/18	Lab Analysis of Water	
		Astorino	Tetra Tech, Inc.	\$ 14,679.20	Invoice #1900000625 - 10/16/18	Chapaton Expansion Study	\$ 21,275.86
		Astorino	Tetra Tech, Inc.	\$ 1,503.84	Invoice #1900000633 - 10/17/18	Chapaton Expansion Study	
		Astorino	Tetra Tech, Inc.	\$ 1,503.84	Engineering Services - ending 9/28/18	Chapaton Expansion Study	
		Astorino	Wade Trim	\$ 26,211.25	Invoice #51369161 - 10/24/18	RTB Segmentation/Disinfection Study	\$ 19,772.02
		Astorino	Wonderware North	\$ 5,089.05	Engineering Services - ending 10/19/18	Wonderware Renewal	\$ 66,016.25
		Astorino	Wonderware North	\$ 295,005.80	Invoice #M2012985 - 11/1/18		
		Astorino	Wonderware North	\$ 5,089.05	Engineering Services - 9/23/18 - 10/27/18		
		Astorino	Wonderware North	\$ 5,089.05	Invoice #74706 - 9/25/18		

F418-CH20



DE-CAL, Inc.
24659 Schoenherr Rd.
Warren, MI 48089-4775
Service Phone: 586-619-0281
Service Fax: 586-486-5242

Service Invoice

Invoice #: WO18250091

Date: 03/27/2018

Billed To: Macomb County Chapaton
23001 E. 9 Mile Rd.
St. Clair Shores MI 48080
Attn: Accounts Payable

Location: Macomb Chapaton Pumping
23001 E. 9 Mile Rd.
St. Clair Shores MI 48080

Client PO#:	Employee: Cliff Wilkerson	Due Terms: 30DY
--------------------	----------------------------------	------------------------

Assembly#	Part#	Description	Quantity	Price	Ext Price	Sales Tax
		See Attached	1.0000	647.320000	647.32	N

Notes:

See work order for details

** please process **
- invoice is being skipped

De-Cal Service Group is a division of De-Cal, Inc.

Please Make Checks Payable to: De-Cal, Inc.

Thank you for your prompt payment!

Amount Due: \$	647.32
-----------------------	---------------

De - Cal Service Group

Heating, Cooling, Plumbing, Electrical

24659 Schoenherr Rd.

Warren, MI 48089

Phone: 586-619-0281

Location: Chapaton Station - East	PO #	Invoice/Job # 925-18-009	
Description of work performed:			
Unit Heater B-Vent Flue Pipe Replacement			
Work complete? Please circle Yes No X			
REFRIGERANT ACTIVITY			
Virgin Refrigerant added? Y N ✓ Low charge, leak test done, no leaks found. ✓ Low charge, leaks found & repaired. ✓ Refrigerant permanently removed (lbs). ✓ Leak test done, no leaks found or refrig. added. ✓ Refrigerant recovered & charged back into unit. ✓ No refrigerant added or removed from unit.	Activity by unit with lbs.		
LABOR HOURS			
<i>Labor Type</i>	<i>Dates, Technicians</i>	<i>Total Hours</i>	<i>Total</i>
Technician	3/21/18 Cliff. W	4.0	\$ 424.00
Technician			\$ -
Boiler / Controls			\$ -
OT/Holiday			\$ -
Veh/Tool Allowance		1.0	\$ 70.00
MATERIALS/SUBCONTRACTORS UTILIZED			
<i>Unit #</i>	<i>Description & Make</i>	<i>Part #</i>	<i>Quantity Price</i>
	Consumables Fee		1.0 \$ 15.00
	Hi-Temp Silacone		1.0 \$ 21.25
	5" Ells		2.0 \$ 16.73
	5" Tee		1.0 \$ 31.43
	5" x 4" Reducer		1.0 \$ 16.45
	5" x 24" Pipe		3.0 \$ 36.54
	5" Cap		1.0 \$ 15.93
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
Total Work Order			Material Tax % \$ -
<i>Customer Signatures</i>			Sell For
Name:	Position:	Date:	
<i>Hvac Technician Signatures</i>			TOTAL BILLING:
Name:	Company:	Date:	
			\$ 647.32

FY18
Utility
NEEDS CH 20 Brd
18.546

910000053785

00001187316 B



DTE Energy

Payment Coupon

Account Number	910000053785
Due Date:	November 02, 2018
Total Due:	\$11,873.16

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

Mail Payments to:
DTE Energy
P.O. Box 630795
Cincinnati OH 45263-0795

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

Account Information

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

Account Number **9100-0005-3785**

DTE-Energy Federal ID No. 38-3217752

Programs you are enrolled in:

How to contact us:

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

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

Important Information

Your electric bill includes the Transitional Recovery Mechanism (TRM) surcharge, which was approved by the Michigan Public Service Commission to recover a portion of the costs associated with expanding our distribution system to serve former City of Detroit Public Lighting Department customers. This charge is effective for six months.



DTE Energy

Summary Of Charges

Account Number 9100-0005-3785

Previous Balance as of 09/15/2018	13,352.28
Payment(s) and Credit(s)	- 13,352.28
Remaining Balance	\$0.00

Current Charges

Service Location	Item	Service Type	Rate	Bill Period	Amount
23001 E 9 Mile Rd	7004376662	General Service Municipal Pumping-Net Metering Cat1	EFCND3_WP	09/11 - 10/08/18	11,873.16
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$11,873.16

Amount Due on or before Due Date of 11/02/2018 \$11,873.16

Your current charges are due on November 2, 2018. A 2% late payment charge will be applied if paid after the due date.



Account No.	Invoice No.	Invoice Date
0322513	5427188	19-Oct-2018

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

We are DTN

We've returned to our previous DTN name -- a powerhouse brand that many of our customers have known and trusted since 1984.

Here's what you can expect from us:

- * The same trusted world-class solutions and industry-leading customer service
- * Powerful new innovations to help you meet your growing challenges
- * Unmatched long-term investment and commitment to you and the Weather industry

New Charges	\$ 1,412.25
Late Fees	\$ 0.00
Total Due	\$ 1,412.25

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

Customer Service

Billing Customer Service:

888-826-4282, weatherbilling@dtn.com

Technical Support:

800-485-4000

Postal Correspondence:

DTN
 9110 W Dodge Rd Ste 100
 Omaha, NE 68114-3334

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

Pay My Bill

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

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

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

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

TT181019.001-543-00000482



DTN, LLC
 9110 W Dodge Rd Ste 100
 Omaha, NE 68114-3334

#BWNCVKR
 0322513

000272 000000482



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

Account No.	Invoice No.	Due Date
0322513	5427188	09-Nov-2018
Amount Due		\$ 1,412.25
Payment enclosed		

V43568



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

Fluid Systems Engineering

a division of Motion & Control Enterprises LLC

18855 E 14 MILE RD.
 CLINTON TWP., MICHIGAN 48035
 PHONE: 586-790-8880
 TERMS: NET 30 FAX NO.: 586-790-8881
 DUNS NO.: 00-491-3232

ORIGINAL

F419
 CH20



V 65282 (01)


INVOICE

DATE 10/12/18 - PAGE 1

ORDER VERBAL PETE

SOLD TO: MACOMB COUNTY D.P.W.
 23001 E. 9 MILE ROAD
 ST. CLAIR SHORES MI 48080

SHIP TO: MACOMB COUNTY D.P.W.
 23001 E. 9 MILE ROAD
 ST. CLAIR SHORES MI 48080

ACCOUNT NUMBER	INVOICE NUMBER	DATE SHIPPED	SHIPPED VIA	SHIPPED FROM			
105737	F-30005-0	10/12/18		CLINTON TWP, MI D			
QUANTITY ORDERED	QUANTITY SHIPPED	BACK ORDERED	PART DESCRIPTION		UNIT PRICE	% DISC	NET AMOUNT
8	8		TROUBLESHOOTING A-C & D SYSTEM		95.00		760.00
			OUR WORK ORDER # 9217 DIV. OF MOTION & CONTROL ENTRP				
TERMS: NET 30 DAYS		SUB-TOTAL	TAX	SHIPPING/HANDLING CHARGES	PLEASE		TOTAL
15.00 MINIMUM BILL		760.00	0.00	0.00	REMIT THIS 		760.00

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

V1909(04)
8210017M
CC0004
97002

GRAINGER ACCOUNT NUMBER 803170893
INVOICE NUMBER 9913971595
INVOICE DATE 09/24/2018
DUE DATE 10/24/2018
AMOUNT DUE 2,495.86

PO NUMBER: CHAPATON
CALLER: BOB BUGAMELLI
CUSTOMER PHONE: (586) 772-3434
ORDER NUMBER: 1332107624
INCO TERMS: FOB ORIGIN

BILL TO
MDG2018 00001969 1 AB 0408

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



Pay invoices online at:
www.grainger.com/invoicing
Sign up for paperless invoicing at:
www.grainger.com/paperlessinvoicing

THANK YOU!

FEI NUMBER 36-1150280

FOR ANY QUESTIONS ABOUT THIS INVOICE OR ACCOUNT **CALL 1-800-472-4643**

PO LINE #	ITEM #	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
		The following items were for: MACOMB COUNTY PUBLIC WORKS 23001 E 9 MILE RD SAINT CLAIR SHORES MI 48080-1576			
	3BB98	PUMP,GRINDER,2 HP MANUFACTURER # 3BB98 Delivery# 6409953640 Date: 09/24/2018 Carrier: UPS GROUND No. of pkgs: 1 Wt: 91.00 Trk#: 1ZY624Y10304414500 SHIPPED FROM: DC MINOOKA, IL - 005 701 GRAINGER WAY MINOOKA IL 60447-9998	1	2,495.86	2,495.86

INVOICE SUB TOTAL 2,495.86

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

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

PAY THIS INVOICE; NO STATEMENT WILL BE SENT. PAYMENT TERMS NET 30 DAYS IN U.S. DOLLARS.

AMOUNT DUE 2,495.86

▲ **PLEASE DETACH THIS PORTION AND RETURN WITH YOUR PAYMENT.** ▲

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

REMIT TO:
GRAINGER
DEPT. 803198225
PALATINE, IL 60038-0001

803198225991397159510002495861000000010000000100000018102466

X

ACCOUNT NUMBER
803170893

DATE
09/24/2018₁₂

INVOICE NUMBER
9913971595

AMOUNT DUE
2,495.86

FOR COMMENTS OR CHANGE OF ADDRESS, ENTER INFORMATION ON REVERSE SIDE.



6200 ELMRIDGE • STERLING HEIGHTS, MI 48313
 PHONE: 844-464-3587
 WWW.GFLUSA.COM

CUSTOMER NO. 422012
INVOICE NO. RS0002589531
INVOICE DATE 10/31/2018
DUE DATE 10/31/2018
TOTAL AMOUNT DUE \$650.00

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

AMOUNT OF REMITTANCE \$ 650.00

00554759000002589531004220120000000000650002

DATE	DESCRIPTION	REFERENCE	RATE	QTY.	AMOUNT
	(0002) CHAPATON PUMP STATION 23001 E 9 MILE RD, ST CLAIR SHORES MI 48080 Serv #001 ROLLOFF WASTE TEMP 1 - 10YD				
31 - Oct	Roll Off - Delivery W.O# 213983	ANTHONY/EMAIL	\$325.000	1.00	\$325.00
31 - Oct	Roll Off - Delivery W.O# 213985	ANTHONY/EMAIL	\$325.000	1.00	\$325.00

CURRENT	31 - 60 DAYS	61 - 90 DAYS	OVER 90 DAYS	ACCOUNT TOTAL
\$ 650.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 650.00

INVOICE TOTAL \$650.00



HESCO
28838 Van Dyke Road
Warren MI 48093
248-476-7660

*Filed
Clerk*

Bill Me Back

Unit Billing

HESCO Job: 161025
Application: 4
Period: 10/12/2018

18-542

Owner: Macomb County Public Works
21777 Dunham Road
Clinton Twp MI 48036

Job Location: 161025 Macomb SEMCWDS PM
21777 Dunham Road
Clinton Twp MI 48036

Attention: Vince Astorino

Application For Payment On Contract

Contract Sum to Date	63,899.00
Total Complete to Date	9,300.00
Total Retained	0.00
Total Earned Less Retained	9,300.00
Less Previous Billings	7,200.00
Current Payment Due	2,100.00
Balance on Contract	54,599.00

Contractor's Certification of Work

The undersigned contractor certifies that, to the best of the contractor's knowledge, the work on the above named job has been completed in accordance with the plans and specifications to the level of completion indicated on the attached schedule of completion.

Bill Harris

Date: *10/11/18*

Terms: Invoices are due and payable 30DY from the date of invoice. All overdue amounts will be charged a service charge of 0.00 % per anum. Please make checks payable to: HESCO

Thank you for your prompt payment.



V65297(01)

8210017M

92800

CC0004

www.jcichemicals.com

INVOICE

Inv Date	Invoice #
09/27/2018	770796
Date Shipped	Order/BOL #
09/27/2018	568341

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

Customer Number
 21543215

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

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

Customer PO #	FOB Remark	Freight Terms	Sales ID		
VBL-PETE TROMBLEY	Destination	Delivered	NORTH		
Release #	Ship Via	Terms	Due Date		
	JCI	N 30	10/27/2018		
Units	Package	Product Name	Total Quantity	Unit Price	Amount
2,602.00	Gal Bulk	HYPOCHLORITE SOLUTION, SS150 1201-001 BULK (\$85 Stop Fee) (+ fsc)	2,602.0000/Gal	0.9000 /Gal	2,341.80
General	Remarks:	<> EMAIL INVOICE TO: michelle.houvener@macombgov.org <> OUTSIDE CARRIER: HAROLD MARCUS NET WEIGHT: 26281 FSC STOP OFF FEE \$85 SPLIT WITH MARTIN BASIN			
		Fuel Surcharge Multiple Stop Charge			24.42 85.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Total: **2,451.22**

Remit To: **JCI Jones Chemicals, Inc.**
PO Box 12549
Newark, NJ 07101-3550 USA

PLEASE PAY
THIS AMOUNT



JCI Welcomes payments via ACH, EFT and WIRE



V65297(01) www.jcichemicals.com

8200017M

92800

CC0004

INVOICE

Inv Date	Invoice #
10/03/2018	771372
Date Shipped	Order/BOL #
10/03/2018	568807

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

Customer Number
 21543215

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

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

Customer PO #	FOB Remark	Freight Terms	Sales ID
VERBAL-PETE	Destination	Delivered	NORTH
Release #	Ship Via	Terms	Due Date
	JCI	N 30	11/02/2018
Units	Package	Product Name	Total Quantity
4,579.00	Gal Bulk	HYPOCHLORITE SOLUTION, SS150 1201-001 BULK (\$95 Stop Fee) (+ fsc)	4,579.0000/Gal
			0.9000 /Gal
			4,121.10
General Remarks:		<> EMAIL INVOICE TO: michelle.houvenier@macombgov.org <> OUTSIDE CARRIER: HAROLD MARCUS NET WEIGHT: 46280 FSC	
		Fuel Surcharge	25.16

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Total: **4,146.26**

PLEASE PAY
THIS AMOUNT



Remit To: **JCI Jones Chemicals, Inc.**
PO Box 12549
Newark, NJ 07101-3550 USA

JCI Welcomes payments via ACH, EFT and WIRE



www.jcichemicals.com

FY19-CH20

INVOICE

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

Inv Date	Invoice #
11/05/2018	774266
Date Shipped	Order/BOL #
11/05/2018	570944

Customer Number

21543215

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

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

Customer PO #		FOB Remark		Freight Terms		Sales ID			
VERBAL-PETE		Destination		Delivered		NORTH			
Release #		Ship Via		Terms		Due Date		Discount Due Date	
		JCI		N 30		12/05/2018		12/5/2018	
Units	Package	Product Name		Total Quantity	Unit Price	Amount			
4,584.00	1 Gal Bulk	HYPOCHLORITE SOLUTION, SS150 1201-001 BULK (\$85 Stop Fee) (+ fsc)		4,584.0000/Gal	0.9000 /Gal	4,125.60			
General Remarks:		<> EMAIL INVOICE TO: michelle.houvener@macombgov.org <> OUTSIDE CARRIER: HAROLD MARCUS NET WEIGHT: 46260 FSC							
		Fuel Surcharge				25.90			

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Total: **4,151.50**

Remit To: **JCI Jones Chemicals, Inc.**
PO Box 12549
Newark, NJ 07101-3550 USA

PLEASE PAY
THIS AMOUNT



V11826 (04) 8210017M

CC0004

93002



KENNEDY INDUSTRIES

INNOVATE
SOLVE
MONITOR
REPAIR

REMIT TO:
KENNEDY INDUSTRIES, INC.
P.O. BOX 930079
WIXOM, MI 48393

INVOICE		
DATE	NUMBER	PAGE
9/28/2018	606283	1 of 1

B MAC152
I MACOMB COUNTY PUBLIC WORKS
L 21777 DUNHAM RD.
L CLINTON TWP, MI 48036
T
O



S MACOMB COUNTY PUBLIC WORKS
H 21777 DUNHAM RD.
I CLINTON TWP, MI 48036
P
T
O

ATTENTION:
PETE TROMBLEY 586-772-3425 pete.trombley@macombgov.org

CUSTOMER REF/PO #	JOB #	JOB TITLE	SLP	SHIPPING TYPE
18- 9330	0094920	CHAPATON STATION, ANNUAL MAINTENANCE	KES/CJD	FIELD SERVICE

QUANTITY		PART NO.	DESCRIPTION	UNIT PRICE	EXTENDED
B/O	Ship				
0.00	1.00	MAC152CHAPATON	CHAPATON STATION PUMP STATION PREVENTATIVE MAINTENANCE ON 09-20-18. PLEASE SEE ATTACHED MAINTENANCE REPORT.	\$2,200.00	\$2,200.00

<p>This invoice is subject to and incorporates by reference Kennedy Industries, Inc.'s ("Kennedy") Terms & Conditions and Customer Warranty available at www.kennedyind.com which will be provided by email upon written request. Buyer expressly agrees to the provisions set forth in the Terms & Conditions and Customer Warranty posted on Kennedy's website.</p> <p>*TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE *A 7% PER ANNUM SERVICE CHARGE SHALL BE APPLIED TO ANY BALANCE *CREDIT CARD PAYMENTS ARE SUBJECT TO AN ADDITIONAL 3% CHARGE</p>	SUBTOTAL:	\$ 2,200.00
	TAX:	\$ 0.00
	TOTAL:	\$ 2,200.00

P.O. Box 930079 Wixom, MI 48393 - 4925 Holtz Drive Wixom, MI 48393 - Phone: 248-684-1200 - Fax: 248-684-6011



Macomb Community College

Education • Enrichment • Economic Development
Federal Tax ID#: 38-1717622

103016 (13)

Pay by Mail: Macomb Community College, Cashier CC-G131, 14500 Twelve Mile Rd., Warren, MI 48088-3896

Pay by Fax: Fax completed Credit Card information to 586-226-4754
To receive a receipt, provide an E-mail address or fax number in the space below:

Company AR Invoice (CREN)

Account ID	Account Name	AR Type	Term	Invoice Number
0923455	Macomb County Public Works	43	2019NC	005834328
Invoice Description		Invoice Date	Payment Due	Amount Due
Confined Space		11/01/18	11/16/18	900.00

Check/Money Order VISA MasterCard Discover

Macomb County Public Works
Attn: Vincent Astorino
21777 Dunham Rd
Clinton Twp, MI 48036

Card Holder Signature (as it appears on card)

Billing Street Address

City, State, Zip

16 Digit Card Number

Exp Date (mm/yy) 3 Digit Security Code

Remit Top Portion With Your Mailed Check, Money Order or Credit Card Payment



Macomb Community College

Education • Enrichment • Economic Development
Federal Tax ID#: 38-1717622

Questions on your invoice: Contact Financial Services at 586-445-7335
Email: regpay@macomb.edu

Page 1

Account ID	Account Name	AR Type	Term	Invoice Number
0923455	Macomb County Public Works	43	2019NC	005834328
Invoice Description		Invoice Date	Payment Due	Amount Due
Confined Space		11/01/18	11/16/18	900.00

Code	Description	Charges	Credits
HSIND	Health & Safety hs.ind19	900.00	

Confined Space
Entrant/Attendant/Supervisor
HAST 8015
10/24/18 - 10/25/18
2 students @ \$450 = \$900
Zach Heaton
Trevor Semrow

Any questions please contact
586-498-4055/whitem@macomb.edu

Client Contact:
Vince Astorino
586-772-3425
vincent.astorino@macombgov.org

Total:

900.00

0.00

Invoice Net.....: 900.00

101085 (26)



Macomb County Finance Department
120 N. Main Street, 2nd Floor
Mt. Clemens, MI 48043

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

See Reverse Side For Easy Opening Instructions

Payment Terms:

Due Upon Receipt

Invoice Date

10/15/2018

Invoice

AR180822

REF DATE	DESCRIPTION	AMOUNT
10/15/2018	3RD QTR 18 CHAPOTON-PERSONNEL	194,661.33
10/15/2018	3RD QTR 18 CHAPOTON-OPERATING	4,652.60
10/15/2018	3RD QTR 18 WASTE WTR-PERSONNEL	380,387.65
10/15/2018	3RD QTR 18 WASTE WTR-OPERATING	7,839.82
Charges		587,541.40
Amount Due		587,541.40

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

Finance Department Contact Number:

(586) 469-5251

Tax ID # / EIN Number:

38-6004868

Please email any questions about your account to:

Accounting@MacombGov.Org

Customer Number:

DPWK BA

Invoice Number:

AR180822

Invoice Date:

10/15/2018

Please remit your payment to:

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

Amount Due:

\$587,541.40

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 # 4997
 Invoice Date 8/31/2018

Invoice Balance 1375.00

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

Date	Description	Qty	Price	Total
8/1/2018	Lawn Maintenance	1.00	275.00	275.00
8/8/2018	Lawn Maintenance	1.00	275.00	275.00
8/16/2018	Lawn Maintenance	1.00	275.00	275.00
8/22/2018	Lawn Maintenance	1.00	275.00	275.00
8/30/2018	Lawn Maintenance	1.00	275.00	275.00

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

Subtotal 1375.00
 Sales Tax
 Invoice Total 1375.00

Invoice Balance 1375.00

Client Name Macomb County Public Works Office
 For 23001 E. 9 Mile Rd. - Chapaon 8 1/2 Mile, St Clair Shores MI 48080
 Invoice # 4997
 Invoice Date 8/31/2018
 Invoice Balance 1375.00

PAYMENT STUB

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

Card #	
Exp. Date	
Signature	

Amount Enclosed

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

NEW PAYMENT OPTION: Call our office to set up a credit card on your account!

Thank you for choosing Marino's Landscape.

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 # 5842
 Invoice Date 10/31/2018

Invoice Balance	1100.00
------------------------	----------------

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

Date	Description	Qty	Price	Total
10/3/2018	Lawn Maintenance	1.00	275.00	275.00
10/10/2018	Lawn Maintenance	1.00	275.00	275.00
10/17/2018	Lawn Maintenance	1.00	275.00	275.00
10/24/2018	Lawn Maintenance	1.00	275.00	275.00

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

Subtotal 1100.00
Sales Tax
Invoice Total 1100.00

Invoice Balance	1100.00
------------------------	----------------

Client Name Macomb County Public Works Office
For 23001 E. 9 Mile Rd. - Chapaon 8 1/2 Mile, St Clair Shores MI 48080
Invoice # 5842
Invoice Date 10/31/2018
Invoice Balance 1100.00

Amount Enclosed

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

NEW PAYMENT OPTION: Call our office to set up a credit card on your account!

Thank you for choosing Marino's Landscape.

PAYMENT STUB

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

Card #	
Exp. Date	
Signature	



McNAUGHTON-McKAY
ELECTRIC COMPANY

YOUR ELECTRICAL CONNECTION

Dept 14801
PO Box 67000
Detroit, MI 48267-0148
248-399-7500 ph 248-414-2220 fax

V09819 F419-CH20
(02)

INVOICE

Invoice Number: 16121286-00
Invoice Date: 10/02/18
Customer Number: 25654
Salesman: erp
PO Number: 9-19-234
Page Number: Page 1 of 1

BILL TO:
2247 1 AB 0.408 E0069X I0110 D4095073830 S2 P5782312 0001:0001



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

SHIP TO:

MACOMB COUNTY PUBLIC WORKS
ATTN BRENT WELSER
21777 DUNHAM RD
CLINTON TWP, MI 48036

SHIP POINT	SHIP VIA	SHIP DATE
MADISON HEIGHTS BRANCH	UPS GROUND	10/02/18
INSTRUCTIONS	TERMS	
	Net 30 Days	

LINE NO.	PRODUCT AND DESCRIPTION	QUANTITY ORDERED	QUANTITY B.O.	QTY. SHIPPED	QTY. U/M	UNIT PRICE	AMOUNT (NET)
	Tracker # - 1Z4514380319874785						
1	PSFPLX31EIPMBS4 PSF PLX31EIP-MBS4 ENET/ IP TO 4 PORT SER MODBUS	1	0	1	EACH	1399.00	1399.00
1	Lines Total		Qty Shipped Total	1	Total		1399.00
					Ship & Hdlg		9.43
					Invoice Total		1408.43



TRY OUR NEW FREE E-MAIL OR FAX DELIVERY INVOICING SERVICE!

You can now receive your invoices via fax delivery or e-mail once per day in one easy to open PDF file. You can even download our invoice data directly into your accounting package (such as QuickBooks or Excel).

SIGN UP AT BILLING@MC-MC.COM.

The sale of products and services by Seller is subject to Seller's general terms and conditions of sale ("Seller's Terms") as attached to this document or as otherwise posted on Seller's website at <http://terms.mc-mc.com/corp>. Seller objects to and rejects any terms or conditions that may appear on or are referenced in Customer's purchase order or other document that are in addition to or otherwise inconsistent with Seller's Terms. Customer's receipt or acceptance of delivery of any ordered item above will constitute its acceptance of Seller's terms.



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

FY18-CH20

INVOICE

Job Number	918500	Sub Job	0	Contract Number	001	Date Performed	9/25/2018	Date	10/23/2018	Application Number	92103
------------	--------	---------	---	-----------------	-----	----------------	-----------	------	------------	--------------------	-------

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

JOE BETZ

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	MACOMB COUNTY T&M	\$1,200.00	-	\$1,200.00	\$1,200.00	-	-
Totals:		\$1,200.00		\$1,200.00	\$1,200.00		
Less Retained:							
Invoice Total:				\$1,200.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE
 SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

CHAPATON: 100% = \$1,200.00

complete electrical construction

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



9440 GRINNELL, DETROIT, MI 48213-1151

FIELD REPORT
MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: **G181002-**
071624

CUSTOMER: Macomb County Public Works DATE: 9/25/2018 MCE JOB NO: 918500 SHEET OF

LOCATION OF WORK: Chapaton E Chemical Feed Pump CUSTOMER ORDER NO:

WORK PERFORMED:

Pump #4 Design Days- 9/24-25/2018

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
									<i>Subtotal:</i>	\$1,200.00
<i>Engineer-Controls/PLC/SCADA</i>										
Wysocki, Adam	16.00	\$75.00	\$1,200.00		\$105.00	\$0.00		\$135.00	\$0.00	\$1,200.00
									TOTAL:	\$1,200.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	16.00			\$1,200.00		\$0.00	\$0.00	\$1,200.00
REPORT TOTALS:	16.00			\$1,200.00		\$0.00	\$0.00	\$1,200.00



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

FY18 - CH20

INVOICE

Job Number	918500	Sub Job	0	Contract Number	001	Date Performed	9/27/2018	Application Date	10/23/2018	Application Number	92102
------------	--------	---------	---	-----------------	-----	----------------	-----------	------------------	------------	--------------------	-------

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

JOE BETZ

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	MACOMB COUNTY T&M	\$1,125.25	-	\$1,125.25	\$1,125.25	-	-
Totals:		\$1,125.25		\$1,125.25	\$1,125.25		
Less Retained:							
Invoice Total:				\$1,125.25			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

CHAPATON: 100% = \$1,125.25

complete electrical construction

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



9440 GRINNELL, DETROIT, MI 48213-1151

FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: **G181001-113118**

CUSTOMER: Macomb County Public Works DATE: 9/27/2018 MCE JOB NO: 918500 SHEET OF
 LOCATION OF WORK: Chapaton E Chemical Feed Pump CUSTOMER ORDER NO:

WORK PERFORMED:

Installed new PLC to replace old pump output actuator controller. Debugged logic and wiring. Test ran pump in manual and auto. Verified hard limit switches worked inside pump actuator.

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
<i>Engineer-Controls/PLC/SCADA</i>									<i>Subtotal:</i>	\$900.00
Wysocki, Adam	6.00	\$75.00	\$450.00		\$105.00	\$0.00		\$135.00	\$0.00	\$450.00
Gilbert, Darin	6.00	\$75.00	\$450.00		\$105.00	\$0.00		\$135.00	\$0.00	\$450.00
									TOTAL:	\$900.00

MATERIAL

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST	
1	PLC PN: 81109	\$90.25		\$90.25	
1	LCD Display with keypad PN: 81253	\$41.21		\$41.21	
1	Power Supply PN: 1606DXLP15G	\$64.41		\$64.41	
				TOTAL:	\$195.87

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	12.00			\$900.00		\$0.00	\$0.00	\$900.00
Material				\$195.87	\$0.00	\$29.38	\$0.00	\$225.25
REPORT TOTALS:	12.00			\$1,095.87	\$0.00	\$29.38	\$0.00	\$1,125.25

8 1/2 Mile



V67821(01)

Macomb County Public Works Office
Attn: Vincent Astorino
21777 Dunham Road
Clinton Township, MI 48036

Invoice Date: 10/04/2018
Invoice #: 197995
Project: 0314-18-0010

Project Name: Chapaton TRC Monitoring

Job # WWS 18-012
Email to michelle.houvener@macombgov.org

For Professional Services Rendered through: 9/22/2018

Description	Fee	Prior Billed	Total Available	Current Billing
Task 1 Understanding Facility and Site	6,500.00	6,478.75	21.25	0.00
Task 2 Performing Pilot Study	2,500.00	2,775.00	0.00	996.25
Task 3 Data Analysis and Summary	3,000.00	1,000.00	2,000.00	0.00
Task 4 Integrating Monitoring into Long-term Goals	4,000.00	0.00	4,000.00	992.50
Task 5 Deliverables	4,000.00	0.00	4,000.00	997.50
Amount Due This Invoice **	20,000.00	10,253.75 ✓	9,746.25	2,986.25

REMIT TO:

OHM Advisors

34000 PLYMOUTH RD
LIVONIA, MICHIGAN 48150-1512

T 734.522.6711
F 734.522.6427

OHM-Advisors.com

Cont Balance: \$6760.00



Macomb County Public Works Office
 Attn: Vincent Astorino
 21777 Dunham Road
 Clinton Township, MI 48036

Invoice Date: 10/04/2018
 Invoice #: 197995
 Project: 0314-18-0010

Task 2 Performing Pilot Study

Fixed Rates Labor

<i>Classification</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Graduate Engineer I	2.00	110.0000	220.00
Graduate Engineer II	1.00	120.0000	120.00
Graduate Engineer III	5.25	125.0000	656.25
			<hr/>
Fixed Rates Labor subtotal	8.25		996.25
Total Performing Pilot Study			<hr/> 996.25

Task 4 Integrating Monitoring into Long-term Goals

Fixed Rates Labor

<i>Classification</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Graduate Engineer III	2.50	125.0000	312.50
Professional Engineer/Architect IV	4.00	170.0000	680.00
			<hr/>
Fixed Rates Labor subtotal	6.50		992.50
Total Integrating Monitoring into Long-term Goals			<hr/> 992.50

Task 5 Deliverables

Fixed Rates Labor

<i>Classification</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Graduate Engineer II	2.00	120.0000	240.00
Graduate Engineer III	3.00	125.0000	375.00
Professional Engineer/Architect IV	2.25	170.0000	382.50
			<hr/>
Fixed Rates Labor subtotal	7.25		997.50
Total Deliverables			<hr/> 997.50

Total Project: 0314180010 - Chapaton TRC Monitoring **2,986.25**

REMIT TO:

OHM Advisors

34000 PLYMOUTH RD
 LIVONIA, MICHIGAN 48150-1512

T 734.522.6711
 F 734.522.6427

OHM-Advisors.com



FY19-CH20
WO 18333

Macomb County Public Works Office
Attn: Vincent Astorino
21777 Dunham Road
Clinton Township, MI 48036

Invoice Date: 11/02/2018
Invoice #: 198979
Project: 0314-18-0010

Project Name: Chapaton TRC Monitoring

Job # WWS 18-012
Email to michelle.houvener@macombgov.org

For Professional Services Rendered through: 10/20/2018

<i>Description</i>	<i>Fee</i>	<i>Prior Billed</i>	<i>Total Available</i>	<i>Current Billing</i>
Task 1 Understanding Facility and Site	6,500.00	6,478.75	21.25	0.00
Task 2 Performing Pilot Study	2,500.00	3,771.25	0.00	0.00
Task 3 Data Analysis and Summary	3,000.00	1,000.00	2,000.00	562.50
Task 4 Integrating Monitoring into Long-term Goals	4,000.00	992.50	3,007.50	427.50
Task 5 Deliverables	4,000.00	997.50	3,002.50	0.00
Amount Due This Invoice **	20,000.00	13,240.00	6,760.00	990.00

REMIT TO:

OHM Advisors
34000 PLYMOUTH RD
LIVONIA, MICHIGAN 48150-1512

T 734.522.6711
F 734.522.6427

OHM-Advisors.com



Macomb County Public Works Office
 Attn: Vincent Astorino
 21777 Dunham Road
 Clinton Township, MI 48036

Invoice Date: 11/02/2018
 Invoice #: 198979
 Project: 0314-18-0010

Task 3 Data Analysis and Summary

Fixed Rates Labor

<i>Classification</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Graduate Engineer III	4.50	125.0000	562.50
Total Data Analysis and Summary			562.50

Task 4 Integrating Monitoring into Long-term Goals

Fixed Rates Labor

<i>Classification</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Graduate Engineer II	2.00	120.0000	240.00
Graduate Engineer III	1.50	125.0000	187.50
Fixed Rates Labor subtotal			427.50
Total Integrating Monitoring into Long-term Goals			427.50

Total Project: 0314180010 - Chapaton TRC Monitoring **990.00**

REMIT TO:

OHM Advisors
 34000 PLYMOUTH RD
 LIVONIA, MICHIGAN 48150-1512

T 734.522.6711
 F 734.522.6427

OHM-Advisors.com



St. Clair Shores Water Bill

ACCOUNT NUMBER

23287-00

SERVICE ADDRESS

23001 NINE MILE

SERVICE TYPE

Government

PREVIOUS READ

1278

CURRENT READ

1297 A

CONSUMPTION

174

FROM: SERVICE PERIOD TO:

08/14/2018 09/15/2018

DUE DATE

10/22/2018

PAY AFTER DUE DATE

3111.86

PAY BY DUE DATE

2963.68

PREVIOUS BALANCE	0.00
Water	824.41
Sewer	1117.95
Customer Chg	342.00
Retention Basins O&M	0.49
Storm Water	678.83

CURRENT BALANCE

2963.68

MONTHLY BUDGET

V00928 (01)

8210017M

92103

cc 0004

18-525

Temp-Return Service Requested

8281 1 AB 0.408

8281-8281-20



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

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

Water rate: \$4.738/unit
Sewer rate: \$6.425/unit
Total rate: \$11.163
One unit = 748 gallons



City of St. Clair Shores

27600 Jefferson Ave.
St. Clair Shores, MI 48081

FOR FURTHER INFORMATION PLEASE CALL:
BILLING INFORMATION - (586) 447-3317
SERVICE INFORMATION - (586) 445-5374
VISIT US ON THE WEB AT www.scsmi.org

To Pay by Credit Card or Electronic Check



Visit www.scsmi.org
Online Payments and Services
or call 1-855-414-9009 (credit card only)

Point and Pay LLC, the service provider, charges a fee for this service of:
3.00% for credit cards (\$1.50 minimum)
Electronic checks are provided as a FREE service.

IMPORTANT INFORMATION - SEE REVERSE SIDE

REMOVE DOCUMENT ALONG THIS PERFORATION
AND MAKE SURE RETURN ADDRESS APPEARS THROUGH WINDOW



St. Clair Shores Water Bill

Due Date

10/22/2018

Pay After Due Date

3111.86

PAY BY DUE DATE

2963.68

Service Address

23001 NINE MILE

Account Number

23287-00

City of St. Clair Shores
27600 Jefferson Ave
Saint Clair Shores MI 48081-2075



8 1/2 Mile

V13987 (02)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Invoice/Credit No.	1900000557	Invoice Date	October 08, 2018
Terms	See Below	Federal Tax ID	23-2919996
Remit to	TestAmerica Laboratories, Inc. PO BOX 204290, Dallas, TX 75320-4290		

Bill to:
Macomb County Public Works Office Attn: Accounts Payable 23001 9 Mile Rd St Clair Shores, MI 48080

Ship to:
Macomb County Public Works Office 23001 9 Mile Road St Clair Shores, MI 48080

P.O. Number	W.O. Number	Contract Number	Work Ordered by
Purchase Order not required			Pete Trombley
Job Description	Site Name	SDG Number	Invoice Contact
See below			Barb Delecke (accts payable)

Job No.	Job Description	Receipt Date	Quantity	Unit Price	Amount
	Method/Test Description				
J17556-1	Chapaton Rain Event	09/26/2018			
	5210 B-2011 - CBOD		11.00	20.00	220.00
	SM4500 P E-2011 - Phosphorus		11.00	18.75	206.25
	4500 NH3 C-2011 - Ammonia		11.00	11.25	123.75
	2540 D-2011 - Total Suspended Solids		11.00	7.50	82.50
	2540E-2011 - Volatile Suspended Solids		11.00	10.00	110.00
	Safe and Environmentally Responsible Waste Management (per sample)		11.00	2.50	27.50

Project Number	Client Number	Project Manager	Subtotal (USD)	\$770.00
19000006	1407288	Sue Schafer		
Latest Sample Receipt Date	Latest Report Date	Phone Number	Total (USD)	\$770.00
09/26/2018	10/08/2018	(810) 229-2763		

For proper credit, please include invoice number on all remittance.

TestAmerica Michigan - 10448 Citation Drive, Suite 200, Brighton, MI 48116

Page 1 of 1

This invoice falls under TestAmerica Laboratories Inc. Standard T&C's of Net 30 Days unless superseded by another valid contract vehicle in place at the time these services were rendered.

F419 - CH20

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Invoice/Credit No.	1900000625	Invoice Date	October 16, 2018
Terms	See Below	Federal Tax ID	23-2919996
Remit to	TestAmerica Laboratories, Inc. PO BOX 204290, Dallas, TX 75320-4290		

Bill to:
Macomb County Public Works Office Attn: Accounts Payable 23001 9 Mile Rd St Clair Shores, MI 48080

Ship to:
Macomb County Public Works Office 23001 9 Mile Road St Clair Shores, MI 48080

P.O. Number	W.O. Number	Contract Number	Work Ordered by
Purchase Order not required			Pete Trombley
Job Description	Site Name	SDG Number	Invoice Contact
See below			Barb Delecke (accts payable)

Job No.	Job Description	Receipt Date	Quantity	Unit Price	Amount
	Method/Test Description				
J17619-1	Chapaton Rain Event	10/02/2018			
	5210 B-2011 - CBOD		9.00	20.00	180.00
	SM4500 P E-2011 - Phosphorus		9.00	18.75	168.75
	4500 NH3 C-2011 - Ammonia		9.00	11.25	101.25
	2540 D-2011 - Total Suspended Solids		9.00	7.50	67.50
	2540E-2011 - Volatile Suspended Solids		9.00	10.00	90.00
	Safe and Environmentally Responsible Waste Management (per sample)		9.00	2.50	22.50

Project Number	Client Number	Project Manager	Subtotal (USD)	\$630.00
19000006	1407288	Sue Schafer		
Latest Sample Receipt Date	Latest Report Date	Phone Number	Total (USD)	\$630.00
10/02/2018	10/16/2018	(810) 229-2763		

For proper credit, please include invoice number on all remittance.

TestAmerica Michigan - 10448 Citation Drive, Suite 200, Brighton, MI 48116

This invoice falls under TestAmerica Laboratories Inc. Standard T&C's of Net 30 Days unless superseded by another valid contract vehicle in place at the time these services were rendered.

Page 1 of 1

Invoice/Credit No.	190000633	Invoice Date	October 17, 2018
Terms	See Below	Federal Tax ID	23-2919996
Remit to	TestAmerica Laboratories, Inc. PO BOX 204290, Dallas, TX 75320-4290		

Bill to:
Macomb County Public Works Office Attn: Accounts Payable 23001 9 Mile Rd St Clair Shores, MI 48080

Ship to:
Macomb County Public Works Office 23001 9 Mile Road St Clair Shores, MI 48080

P.O. Number	W.O. Number	Contract Number	Work Ordered by
Purchase Order not required			Pete Trombley
Job Description	Site Name	SDG Number	Invoice Contact
See below			Barb Delecke (accts payable)

Job No.	Job Description	Receipt Date	Quantity	Unit Price	Amount
	Method/Test Description				
J17691-1	Chapaton Rain Event	10/07/2018			
	5210 B-2011 - CBOD		14.00	20.00	280.00
	SM4500 P E-2011 - Phosphorus		14.00	18.75	262.50
	4500 NH3 C-2011 - Ammonia		14.00	11.25	157.50
	2540 D-2011 - Total Suspended Solids		14.00	7.50	105.00
	2540E-2011 - Volatile Suspended Solids		14.00	10.00	140.00
	Safe and Environmentally Responsible Waste Management (per sample)		14.00	2.50	35.00

Project Number	Client Number	Project Manager	Subtotal (USD)	\$980.00
19000006	1407288	Sue Schafer		
Latest Sample Receipt Date	Latest Report Date	Phone Number	Total (USD)	\$980.00
10/07/2018	10/17/2018	(810) 229-2763		

For proper credit, please include invoice number on all remittance.

TestAmerica Michigan - 10448 Citation Drive, Suite 200, Brighton, MI 48116

This invoice falls under TestAmerica Laboratories Inc. Standard T&C's of Net 30 Days unless superseded by another valid contract vehicle in place at the time these services were rendered.



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

V16060 (02) 8210017M
 W018329 CC0004
 80138

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

INVOICE NUMBER: 51359388
INVOICE DATE: 09/28/2018
SERVICES THROUGH: 09/28/2018
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Project Contact - Vincent Astorino - vincent.astorino@macombgov.org

Notice of Award 2/14/18

PROFESSIONAL SERVICES:

Project Number	200-16347-18001	Macomb Chapaton Expansion Study-MCPWO Project:	MCPWO-WWS-2018-004		
Top Task	001	Study			
EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT	
Collingham, Melissa A.	Graphic Artist	3.50	\$100.00	\$350.00	
Irgang, Laura M.	Project Engineer 1	6.50	\$150.00	\$975.00	
Noita, Michael C.	Project Administrator	0.50	\$100.00	\$50.00	
Rubel, Brian M.	Program Manager	14.00	\$200.00	\$2,800.00	
Takacs, Krista M.	Project Engineer 1	27.50	\$150.00	\$4,125.00	
Weston, Cynthia A.	Project Administrator	2.50	\$100.00	\$250.00	
TOTAL LABOR		54.50		\$8,550.00	
		SUBTOTAL		\$8,550.00	
		Total Top Task# 001		\$8,550.00	
Top Task	003	Sub-ASTI			
SUBCONTRACTOR	TYPE	CURRENT AMOUNT			
ASTI ENVIRONMENTAL	Subcontractor-External	\$5,572.00			
TOTAL SUBCONTRACTOR CHARGES		\$5,572.00			
		Plus Mark-up	557.20		
		SUBTOTAL	\$6,129.20		
		Total Top Task# 003		\$6,129.20	
		Total Project# 200-16347-18001		\$14,679.20	
TOTAL AMOUNT DUE THIS INVOICE:				\$14,679.20	



Tetra Tech, Inc.
 424 Lewis Hargett Circle
 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: 51369161
INVOICE DATE: 10/24/2018
SERVICES THROUGH: 10/19/2018
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Project Contact - Vincent Astorino - vincent.astorino@macombgov.org
 Notice of Award 2/14/18

PROFESSIONAL SERVICES:

Project Number	200-16347-18001	Macomb Chapaton Expansion Study-MCPWO Project: MCPWO-WWS-2018-004		
Top Task	001	Study		
EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Rubel, Brian M.	Program Manager	4.00	\$200.00	\$800.00
TOTAL LABOR		4.00		\$800.00
		SUBTOTAL		\$800.00
OTHER DIRECT CHARGES	TYPE	CURRENT QUANTITY	UNIT RATE	CURRENT AMOUNT
DOLLAR BILL COPYING	Outside Reproductions			\$38.98
FEDERAL EXPRESS CORPORATION	Shipping - Overnight			\$13.66
TOTAL OTHER DIRECT CHARGES				\$52.64
		SUBTOTAL		\$52.64
		Total Top Task# 001		\$852.64
Top Task	003	Sub-ASTI		
SUBCONTRACTOR	TYPE	CURRENT AMOUNT		
ASTI ENVIRONMENTAL	Subcontractor-External			\$592.00
TOTAL SUBCONTRACTOR CHARGES				\$592.00
			Plus Mark-up	59.20
		SUBTOTAL		\$651.20
		Total Top Task# 003		\$651.20
		Total Project# 200-16347-18001		\$1,503.84
TOTAL AMOUNT DUE THIS INVOICE:				\$1,503.84

Wade Trim

Wade Trim
500 Griswold Street • Suite 2500 • Detroit, MI 48226
313.961.3650 • FAX: 313.961.0898 • www.wadetrिम.com
Federal ID 38-1802386

INVOICE

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

W018332

Macomb County Public Works
P.O. Box 806
Mt. Clemens, MI 48046-0806

Attention: Stephen Downing
Engineer II-Waste Water Services

Invoice Date : November 1, 2018
Invoice # : M2012985
Project # : MCW200401D

Remit payment to : Wade Trim
500 Griswold Street
Suite 2500
Detroit, MI 48226

Re: Basin Segmentation/Disinfection Sys

For Professional Services rendered from 9/23/2018 through 10/27/2018

Chapaton RTB Segmentation and Disinfection

WWS 18-006

Total Salaries	\$26,211.25
Total Expenses	\$0.00
Professional Services Rendered	\$26,211.25

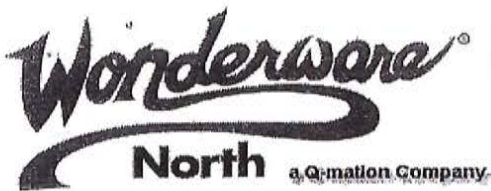
Amount Due This Invoice	\$26,211.25
--------------------------------	--------------------

Statement	
Prior Invoices	\$34,547.50
This Invoice	\$26,211.25
Total Invoiced	\$60,758.75
Paid to Date	\$21,108.75
Amount Outstanding	\$39,650.00

Fee Summary	
* Authorized Fee	\$126,775.00
Total Invoiced	\$60,758.75
Amount Remaining	\$66,016.25

* Reflects a change order increase of \$9,275

V65315(01)



INVOICE



Invoice ID: 74706
Date: 9/25/2018
Order No: 81757
F.O.B: Horsham, PA
Packlist ID: 66834

425 Caredean Drive
Horsham, PA 19044
215-675-5800
www.wonderwarenorth.com

Sold To
MACOMB COUNTY PUBLIC WORKS
ATTN: ACCOUNTS PAYABLE
21777 DUNHAM ROAD
CLINTON TOWNSHIP, MI 48036
USA

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

CUSTOMER ID			CUSTOMER PO		PAYMENT TERMS		FREIGHT TERMS	
MACOMB COUNTY			9-19-233		Net 30		Freight: Billed	
SALES REP ID			SHIPPING METHOD			SHIP DATE	INVOICE DUE DATE	
GENES			UPS 1ZX167140345576929			9/25/2018	10/25/2018	
QUANTITY			PART	DESCRIPTION	T X	UNIT PRICE	EXTENDED PRICE	
ORD	SHP	BCK						
1.00	1.00	0.00	Q-SUPPORT	WW CUSTOMER FIRST AGREEMENT RENEWAL CFA# 100134		\$15,780.00	\$15,780.00	

ORDER SPECIFICATIONS

SUB TOTAL: \$15,780.00 (USD)

TOTAL AMOUNT DUE: \$15,780.00 (USD)

PLEASE REFERENCE THIS INVOICE NUMBER ON YOUR CHECK AND REMIT TO:

Q-mation, Inc or Wonderware North
425 Caredean Drive
Horsham, PA 19044

FOR SPEED AND CONVENIENCE, PAYMENT MAY BE WIRED TO THE FOLLOWING ACCOUNT:

Bank Name: Wells Fargo
1977 Norristown Road
Maple Glen, PA 19002
Account Name: Q-mation, Inc
Account# 1559821747
Routing: 121000248
ABA (ACH): 031000503 / Swift: WFBIUS6S

WWN is not authorized or obligated to collect sales tax outside the state of Pennsylvania. Please note that the customer named above is solely responsible to timely remit the tax to the proper taxing authority.

Income Statement
8.5 Mile Relief
As of Oct 31, 2018

	9-30-2017	10-1-18 to 10-31-18		Total
	Total Fund	O&M	O&M	9/30/2018
Revenues		1,910,624		1,910,624
Expenditures		54,931		54,931
Equity*	4,367,987			6,223,680

NOTES*

5 year maintenance of switchgear	38,000.00
9 Mile Dewatering Gate	5,000.00
Canal seawall sheeting	5,000.00
CHA-EB Chem Flow Meter - Basin Gates (Pumps 4-5)	10,000.00
Chapaton East disinfection system improvement	50,000.00
Design of Improvements	50,000.00
Disinfection Systems Improvement Study	120,000.00
Driveway grate	12,000.00
Electrical Upgrade Program	10,000.00
Emergency Reserve	741,697.00
Flow Meter	150,000.00
HVAC design	60,000.00
Instrumentation all buildings	30,000.00
Outfall Gate Reserve	7,000.00
Painting interior and garage facade	20,000.00
Pump Station Exterior Wall Upgrades-Basin Kneewall	4,000.00
Pumping and screening improvements	1,250,000.00
RTB/PS Ventilation Design	60,000.00
Sampling Pumps	2,500.00
Scada Reserve	80,000.00
Security Fence Structures Around Gate Actuators	60,000.00
Spare Rain Gauge	2,500.00
SRF Replacement Reserve	1,555,290.00
Switch gear(Label and maintenance)	45,000.00