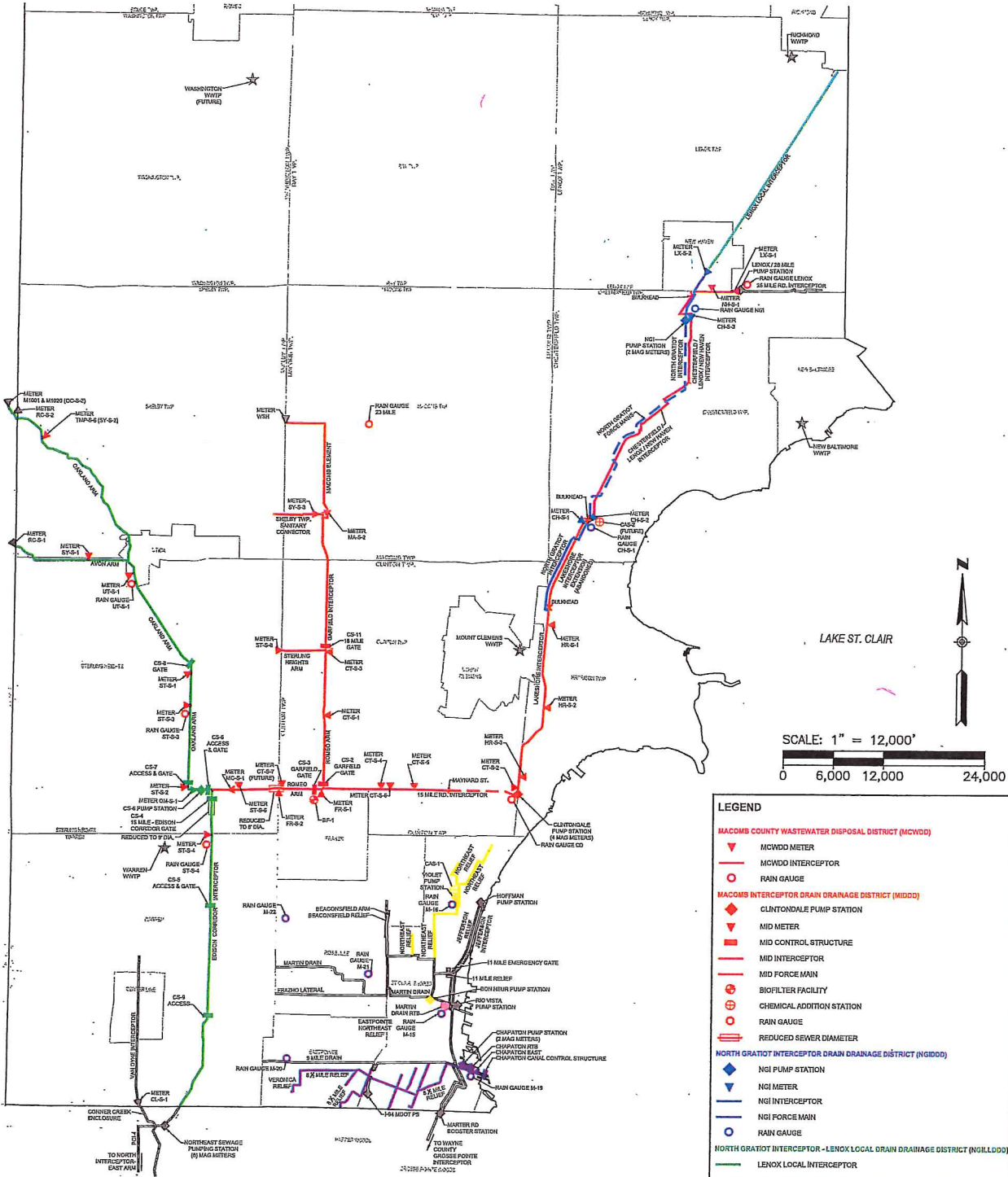


Miller
Santo
Klinefelt

EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
DECEMBER 12, 2017
10:00 A.M.
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for December 12, 2017	
3. Approval of Minutes for November 13, 2017	3
4. Public participation	
5. Consideration for approval of invoices (see attached)	5
6. Financial Report – Bruce Manning	14
7. Adjourn	

MACOMB COUNTY WASTEWATER SYSTEMS



LEGEND

- ▲ MCWDD METER
- MCWDD INTERCEPTOR
- RAIN GAUGE
- ◆ MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (MIDD)
- ▲ CLINTONDALE PUMP STATION
- ◆ MID METER
- MID CONTROL STRUCTURE
- MID INTERCEPTOR
- MID FORCE MAIN
- ⊕ BIOFILTER FACILITY
- ⊕ CHEMICAL ADDITION STATION
- RAIN GAUGE
- REDUCED SEWER DIAMETER
- ◆ NORTH GRATIOT INTERCEPTOR DRAIN DRAINAGE DISTRICT (NGIDD)
- ▲ NCI PUMP STATION
- ▼ NCI METER
- NCI INTERCEPTOR
- NCI FORCE MAIN
- RAIN GAUGE
- NORTH GRATIOT INTERCEPTOR - LENOX LOCAL DRAIN DRAINAGE DISTRICT (NGILLDD)
- LENOX LOCAL INTERCEPTOR
- ◆ OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (OMIDD)
- ▲ CS-6 PUMP STATION
- ▼ OMD METER
- OMD CONTROL STRUCTURE
- OMD 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
- ▲ 1/2 EAST MACOMB COUNTY WASTEWATER DISTRICT (EMCWD)
- ▲ SEMCWD PUMP STATION
- ⊕ CHEMICAL ADDITION STATION
- SEMCWD 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 November 13, 2017, at 10:00 A.M.

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

ALSO PRESENT: Joseph Romano, Macomb County Board of Commissioners; Brian Baker, Chief Deputy, Karen Czernel, Deputy, Vincent Astorino, Operations & Flow Manager, Evans Bantios, P.E., Construction and Maintenance Manager, Dan Heaton, Public Relations Manager, Jeff Bednar, P.E., Environmental Engineer II, Tom Stockel, Construction Engineer, Bruce Manning, Financial Manager, Barbara Delecke, Administrative Services, Macomb County Public Works; Ben Aloia, Aloia & Associates; John Walters, Finance Manager, City of Roseville

The meeting was called to order by the Chair, Candice Miller. The agenda was approved as presented.

Minutes of the meeting of October 16, 2017 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.

Martin Control Services (MCS) was purchased by Hamlett Engineering Sales Company d/b/a HESCO on October 1, 2017. MCS serviced flow meters and level sensors across all Macomb County drainage districts. The amended agreement reflects the change in ownership, properly assigns the work to the correct drainage district and removes Giffels Webster as the engineer on the project.

A motion to approve the amended agreement with Hamlett Engineering Sales Company d/b/a HESCO for sewerage meter maintenance contract originally signed with Martin Control Services on October 24, 2016 was made by Ms. Klinefelt and supported by Mr. Santo.

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$9,045.95 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

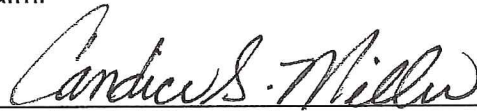
A motion to receive and file the financial report given by Mr. Manning was made by Ms. Klinefelt and supported by Mr. Santo.

Adopted: YEAS: 3
NAYS: 0

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

Adopted: YEAS: 3
NAYS: 0

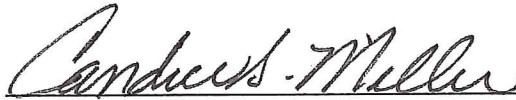
The meeting was adjourned at 10:05 a.m.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

STATE OF MICHIGAN
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taken by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on November 13, 2017, the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1975, including, in the case of a special or rescheduled meeting or a meeting secured for more than 36 hours, notice by posting at least 18 hours prior to the time set for the meeting.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

DATED: 11/14/17

9002.bd

8 1/2 MILE RELIEF DRAIN - 12/12/17

Funding Source	Apportionment	Manager	Vendor	Amount	Invoice Detail	Project Summary	Project Balance
8 1/2 Mile Relief	Chapter 20 State of MI - 16.04% County of Macomb - 2.25% Dept. of Roads - 2.25% Eastpointe - 54.33%	Astorino	DTE Energy	\$ 6,973.06	Monthly Electrical - 10/10/17 - 11/7/17	Stormwater Pumps	
		Astorino	Galls	\$ 862.13	Invoice #008709328 - 11/14/17	Emergency Lights for Trucks	
		Astorino	Jones Chemicals, Inc.	\$ 4,088.14	Invoice #741396 - 11/28/17	Hypochlorite Solution - 4,521 gallons used in disinfection process	
		Astorino	Macomb County	\$ 187,799.14	Invoice #AR170879 - 11/7/17	3rd Quarter Reimbursement - Personnel & Operating Expenses	
		Astorino	METCO Services, Inc.	\$ 1,201.79	Invoice #1615-13 - 11/3/17	Operations Management (Terry Moore)	
		Astorino	State of Michigan	\$ 6,000.00	Invoice #761-10086946 - 12/1/17	NPDES Annual Permit Fee	
		Astorino	Motor City Electrical Technologies, Inc.	\$ 6,128.23	Invoice #34352 - 6/19/17	SCADA Upgrades	
		Astorino	TestAmerica	\$ 966.00	Invoice #19011443 - 11/30/17	Lab analysis of water as required by NPDES Permit	
Total				\$ 214,018.49			

Summary Of Charges

Account Number 9100-0005-3785

Previous Balance as of 10/13/2017 5,473.29
 Payment(s) and Credit(s) - 5,473.29
 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	EFCND3_WP	10/10 - 11/07/17	6,973.06
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$6,973.06

Amount Due on or before Due Date of 12/12/2017 \$6,973.06

Your current charges are due on December 12, 2017. A 2% late payment charge will be applied if paid after the due date.

Account Information

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

17.568

Account Number 9100-0005-3785

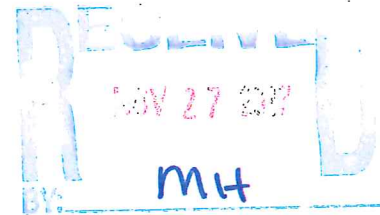
DTE-Energy Federal ID No. 38-3217752

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

For the average Michigan residential customer, renewable energy is estimated to avoid \$3.08 per month of new coal-fired generation costs.

Chg: 8 1/2 Mile nly

Date: 11.27.17
 Chg: 8 1/2 Mile nly
 Eng: UA
 Mgr: [blank]
 Coord: 30
 Finance Officer: [signature]

PA037871

92350

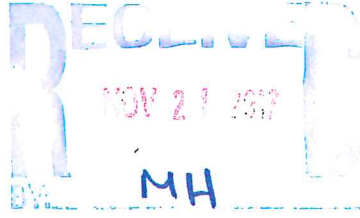


INVOICE

BILLING INQUIRIES

(866) 286-1358

PO Box 54430
Lexington, KY 40555-4430



Billing Questions: AR@Galls.com

ACCOUNT NUMBER	4311295
TERMS	NET 30
INVOICE NUMBER	008709328
INVOICE DATE	11/14/2017
DUE DATE	12/14/2017
SHIP VIA	UPS Ground
PO #	VERBAL 11/13

SALES ORDER 9387321
F.O.B. Shipping Point

Page 1 of 1

349 1 MB 0.423 E0327X I0550 D3037807113 S2 P4829015 0001:0002



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

SHIP TO: ALEX PIRKOVIC
MCCOMB COUNTY PUBLIC WORKS
23001 E 9 MILE RD
SAINT CLAIR SHORES MI 48080-1576

ITEM	ITEM DESCRIPTION	WHS	QTY	PRICE	TOTAL
GR416 WHT	HIDE A BLAST 6 LED FLASHING LIGHTHEA	LEX	4	91.89	367.56
GR152 RW	MINI PHANTOM MAX PLUS DECKLIGHT	LEX	1	223.99	223.99
GR047	GALLS SURFACE MOUNT LED LIGHTS FOUR	LEX	1	178.79	178.79
LB441 PMT AMB	HIGHLIGHTER LED M LB	LEX	1	382.99	382.99
GR278 RED	GHOST HOOD AND TRUNK LIGHT SINGLE	LEX	2	107.59	215.18

Chg: 8 1/2 Mile \$862.13
Madin Sam \$359.22
SEM cur UPS \$215.53

Date 11.27.17
 Chief Deputy AB
 Engineer(s) UA
 Manager(s) _____
 Coordinator(s) 20
 Finance Officer AM

PAO 31890 93000

SUBTOTAL: 1,368.51
 SHIPPING: 68.37
 TAX: 0.00
 CREDITS/PREPAYMENTS: 0.00
TOTAL CHARGES CURRENT SHIPMENT: \$1,436.88

1Z4109850331757521

To ensure proper payment application, please write your account number on your check, and include the attached coupon with your payment.



INVOICE DATE 11/14/2017
 ACCOUNT NUMBER 4311295

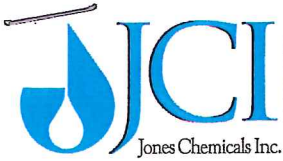
DUE DATE 12/14/2017
 AMOUNT DUE \$1,436.88
 INVOICE NUMBER 008709328

Bill To:
 MCCOMB COUNTY PUBLIC WORKS
 21777 DUNHAM RD
 CLINTON TOWNSHIP MI 48036-1005

Payable To:
 GALLS, LLC
 P.O. BOX 71628
 CHICAGO, IL 60694-1628

Staff 12.5.17
 Board 12.12.17

1 000004311295 0000008709328 0 0000143688 0000143688 3



www.jcichemicals.com

INVOICE

Inv Date	Invoice #
11/28/2017	741396
Date Shipped	Order/BOL #
11/28/2017	545370

*** 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		Destination	Delivered	NORTH	
Release #	Ship Via	Terms	Due Date	Discount Due Date	
	JCI	N 30	12/28/2017	12/28/2017	
Units	Package	Product Name	Total Quantity	Unit Price	Amount
4,521.00	Gal Bulk	HYPOCHLORITE SOLUTION, SS150 1201-001 BULK (\$85 Stop Fee) (+ fsc)	4,521.0000/Gal	0.9000 /Gal	4,068.90
General Remarks:		<> EMAIL INVOICE TO: michelle.houvener@macombgov.org <> OUTSIDE CARRIER: HAROLD MARCUS NET WEIGHT: 45 620 FSC			
		Fuel Surcharge			19.24

Chg: 8 1/2 Mile
Date 11.30.17
 Chief Deputy: *MB*
 Engineer(s): *US*
 Manager(s):
 Coordinator(s): *BD*
 Finance Officer: *[Signature]*
 PA037922 74200

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Staff 12.5.17

Remit To: **JCI Jones Chemicals, Inc.**
PO Box 31542
Tampa, FL 33631-3542 USA

Total: **4,088.14**

PLEASE PAY
 THIS AMOUNT



Board 12.12.17

JCI Welcomes payments via ACH, EFT and WIRE



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

DECEMBER
11 07 2017
MH

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

11/07/2017

Invoice

AR170879

REF DATE	DESCRIPTION	AMOUNT
11/07/2017	3RD QTR 17 CHAPOTON-PERSONNEL	154,468.89
11/07/2017	3RD QTR 17 CHAPOTON-OPERATING	33,330.25
11/07/2017	3RD QTR 17 WASTE WTR-PERSONNEL	291,699.67
11/07/2017	3RD QTR 17 WASTE WTR-OPERATING	9,732.67
Charges		489,231.48
Amount Due		489,231.48

Date 9.30.17
 Chief Deputy AB
 Engineer (s) JA
 Manager (s) _____
 Coordinator (s) JD
 Finance Officer brm

City: MIDD \$ 301,432.34
 8 1/2 Mile Ry \$ 187,799.14
 PA037743

***** 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:

AR170879

Please remit your payment to:

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

Invoice Date:

11/07/2017

Amount Due:

\$489,231.48

Staff 11-27-17
Board 12-12-17



12835 Stephens Road · Warren · Michigan · 48089 · (586) 920-2620 · Fax (586) 510-4433

RECEIVED
MH

November 3, 2017

Office of Macomb County Public Works Commission
21777 Dunham Road
Clinton Township, MI 48111

Attn: Mr. Vincent Astorino
Operations and Flow Manager

RE: Chapaton CSO Control Facility Operations Management

INVOICE #1615-13

Attached please find our Invoice #1615-13 in the amount of \$1201.79 (One Thousand Two Hundred one Dollars and seventy-nine cents only) for Professional Services rendered in connection with the above referenced project for the period September 4, thru October 29, 2017.

Should you need anymore information, please call me at (313) 961-4560.

Very truly yours,

METCO SERVICES, INC.

Rosana Santos
Vice President-Administration

Chg: 8 1/2 Mile Ref

Date	9.30.17
Chief Deputy	AD
Engineer(s)	UA
Manager(s)	
Coordinator(s)	BD
Finance Officer	JMM

PA087783 80300

16-0006

Staff 11-27-17
Board 12-12-17

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
 Water Resources Division
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

INVOICE

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

RECEIVED
 DEC 07 2017
 MH

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

Invoice Number: 761-10086946
Customer Id: 182955
Invoice Date: December 01, 2017
Total Due: \$6,000.00

Chapaton RTB
 23001 East Nine Mile Road
 Saint Clair Shore, MI 48080

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

Account No.:
 MI0025585

Invoice Item	Qty	Unit Cost	Sales Tax	Total Cost
NPDES Annual Permit Fee, 2018 MI0025585, Chapaton RTB	1.00	\$6,000.00	\$0.00	\$6,000.00

Payment for NPDES invoices can now be processed through the MiWaters web based information system. MiWaters can be accessed at <https://miwaters.deq.state.mi.us>
 For questions please contact (517) 284-5588

Total Invoice: \$6,000.00
Payment Due: January 15, 2018

Chg: 8 1/2 Mile

Date	12.1.17
Chief Deputy	As
Engineer(s)	UA
Manager(s)	
Coordinator(s)	RD
Finance Officer	BTM

PA 037945 95500

Staff 12.5.17
 Board 12.12.17

REMIT PAYMENT TO: STATE OF MICHIGAN
 TO ENSURE PROPER CREDIT, SEND THIS PORTION WITH PAYMENT TO:
 Cashiers Office - NP1
 PO Box 30657

STOIS

Account No.:
 MI0025585

INVOICE NUMBER
761-10086946
 WRD NP1

LANSING, MI 48909-8157

(Please note or make any address corrections below.)

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



MOTOR CITY ELECTRIC TECHNOLOGIES
 9440 GRINNELL
 DETROIT, MI 48213-1151
 PHONE (313) 921-5600 FAX (313) 921-5310

INVOICE

13040 MACOMB COUNTY

OFFICE OF PUBLIC WORKS
 ATTN: ACCOUNTS PAYABLE
 21777 DUNHAM ROAD
 CLINTON TOWNSHIP MI 48036

Customer
 PO Number

Job Number 915092	Sub Job MCMC CNTY PUBLIC WRK	Contract Number 1	Date Performed 00/00/0000	Application Date 06/19/2017	Number 34352
----------------------	---------------------------------	----------------------	------------------------------	--------------------------------	-----------------

SCADA UPGRADE

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Completed & Stored	Balance to Finish	Current Retainage
001	SCADA UPGRADE	533,919.00	526,881.00	7,038.00	533,919.00	.00	.00
002	CHANGE ORDER# 1	72,137.00	64,923.30	7,213.70	72,137.00	.00	.00
	Totals	606,056.00		14,251.70			
	Less Retained Invoice Total			.00			
				14,251.70			

ATTN: JOE BETZ
 PROVIDE ELECTRICAL SUPERVISION, LABOR,
 MATERIAL AND EQUIPMENT AS DIRECTED FOR
 SCADA UPGRADE PROJECT.

Qty: MIDDY \$ 6128.23
 8 1/2 Mile \$ 6128.23
 Omid \$ 1995.24

Date	12-1-17
Chief Deputy	AS
Engineer(s)	UA
Manager(s)	
Coordinator(s)	B
Finance Officer	BYM

14037634 80700

Staff 12.5.17
 Board 12.12.17

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."

RECEIVED
 NOV 30 2017
 M4

Invoice/Credit No.	19011443	Invoice Date	November 30, 2017
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 Road
 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			Terry Moore
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				
J14938-1	Chapaton Rain Event	11/19/2017			
	5210B - CBOD		14.00	20.00	280.00
	SM4500 P E-1999 - Phosphorus		14.00	18.75	262.50
	4500 NH3 C-1997 - Ammonia		14.00	11.25	157.50
	SM 2540D - Total Suspended Solids		14.00	7.50	105.00
	SM 2540E - Volatile Suspended Solids		14.00	10.00	140.00
	Safe and Environmentally Responsible Waste Management (per sample)		14.00	1.50	21.00
	Week-end technician time included on Martin invoice				
<p><i>Chg: 8 1/2 Mile Ref</i></p> <div style="border: 1px solid black; padding: 5px;"> <p>Date <u>12-1-17</u></p> <p>Order Entry <u>AB</u></p> <p>Engineer <u>UA</u></p> <p>Manager <u>BD</u></p> <p>Coordinator <u>BD</u></p> <p>Field Tech <u>BAM</u></p> </div> <p>PA037938 74100</p>					

Project Number	Client Number	Project Manager	Subtotal	\$966.00
19000006	1407288	Sue Schafer		
Latest Sample Receipt Date	Latest Report Date	Phone Number	Total	\$966.00
11/19/2017	11/30/2017	(810) 229-2763		

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

Staff 12.5.17
Boone 12.12.17

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.

Income Statement
8.5 Mile Relief
As of November 30, 2017

	9-30-2017	10-1-17 to 11-30-17
	Total Fund	O&M
Revenues		1,310,516
Expenditures		23,256
Equity**	3,105,754	1,287,260

NOTES

Projected Reserves as of Sept 30, 2017	600,000
Projected required SRF repair & replacement reserve balance 9/30/17	1,301,724
Total	1,901,724

**** Broken out as follows:**

Engineering carryover balance at 9/30/2017	356,050
Repair and Maintenance carryover at 9/30/2017	422,000
SCADA reserve at 9/30/2017	40,000
Equipment carryover balance at 9/30/2017	131,800
Required SRF repair & replacement reserve balance 9/30/17	1,301,724
Emergency Reserve	600,000