

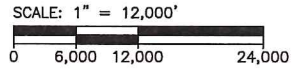
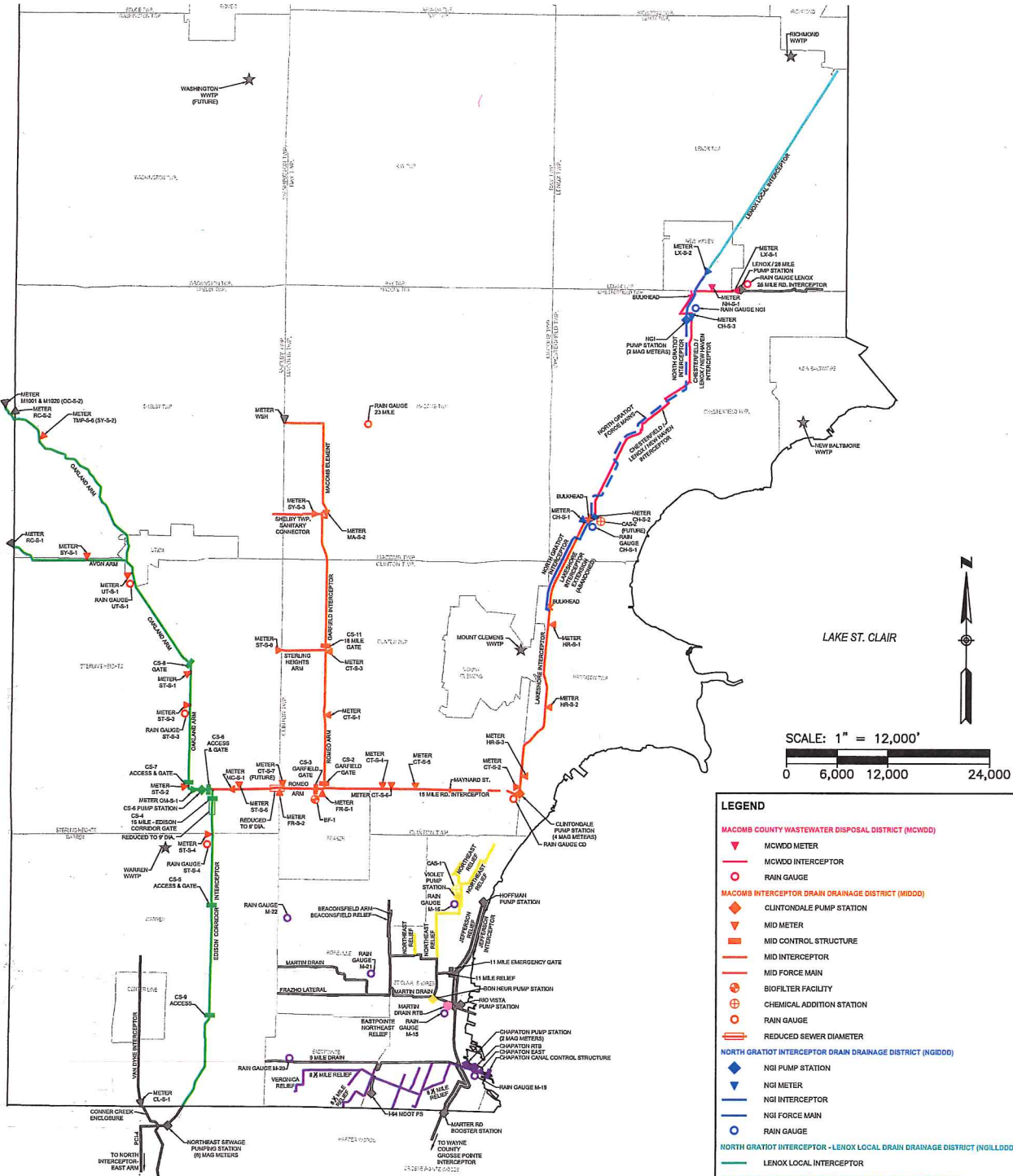
Miller
Santo
Klinefelt

EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
MAY 8, 2017
10:00 A.M.
AGENDA

Page No.

1. Call of meeting to order and roll call
2. Approval of Agenda for May 8, 2017
3. Approval of Minutes for April 10, 2017 3
4. Public participation
5. Progress Report – Vincent Astorino 5
6. Consideration for approval of invoices (see attached) 9
7. Financial Report – Bruce Manning 21
8. Adjourn

MACOMB COUNTY WASTEWATER SYSTEMS



- LEGEND**
- MACOMB COUNTY WASTEWATER DISPOSAL DISTRICT (MCWDD)**
 - ▼ MCWDD METER
 - MCWDD INTERCEPTOR
 - RAIN GAUGE
 - MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (MIDDD)**
 - ◆ 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 (NGIDDD)**
 - ◆ NGI PUMP STATION
 - ▼ NGI METER
 - NGI INTERCEPTOR
 - NGI FORCE MAIN
 - RAIN GAUGE
 - NORTH GRATIOT INTERCEPTOR - LENOX LOCAL DRAIN DRAINAGE DISTRICT (NGLIDDD)**
 - LENOX LOCAL INTERCEPTOR
 - OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (OMIDDD)**
 - ◆ CS-4 PUMP STATION
 - ▼ OMID METER
 - ▣ OMID CONTROL STRUCTURE
 - OMID 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
 - SOUTHEAST MACOMB COUNTY WASTEWATER DISPOSAL SYSTEM (SEMCWDS)**
 - ◆ SEMCWDS PUMP STATION
 - ⊕ CHEMICAL ADDITION STATION
 - SEMCWDS INTERCEPTOR
 - MARTIN SANITARY DIVERSION DRAINAGE DISTRICT (MSDD)**
 - ◆ MARTIN DRAIN RETENTION TREATMENT BASIN
 - OTHER SYSTEMS**
 - ◆ PUMP STATION
 - ▼ METER
 - ★ WWP
 - 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 April 10, 2017, at 10:18 A.M.

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

ALSO PRESENT: Robert Mijac, Veronica Klinefelt, Macomb County Board of Commissioners; Brian Baker, Chief Deputy, Karen Czernel, Deputy, Emily Engleman, Administrative Assistant, Keith Graboske, Chief Engineer, Dan Heaton, Public Relations Manager, Vincent Astorino, Engineer II, Evans Bantios, Engineer II, Lynne Seymour, Environmental Engineer II, Thomas Stockel, Construction Engineer, Bruce Manning, Acting Financial Manager, Barbara Delecke, Administrative Services, Macomb County Public Works; Don Coddington, DPW Director, Chesterfield Township; Bernard VanFleteren, DPW Director, Fraser; Cam Trombly, DPW Director, Lenox Township; Chris Dilbert, President, Village of New Haven; Jared Beaudoin, Operations Manager, Sterling Heights; Richard Amormino, Washington Township; Mike Kozak, P.E., Giffels-Webster; Jim Kelley, Meadowbrook Insurance; Benjamin Aloia, Annemarie Lepore, Aloia & Associates; Vince Viviano, Viviano Law

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

Minutes of the meeting of March 13, 2017 were presented and approved on a motion by Ms. Klinefelt, supported by Mr. Santo and unanimously carried.

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

The Chair presented the invoices totaling \$152,681.73 to the board for review and approval.

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

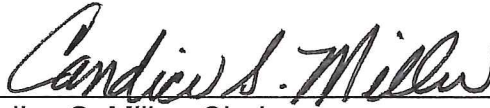
Ayes: Klinefelt, Santo, Miller
Nays: None

Motion approved.

A trial balance sheet was presented to the Board. There is approximately \$2.8 million in equity that can be used to pay for maintenance and other projects.

A motion to receive and file the financial report was made by Ms. Klinefelt, supported by Mr. Santo and unanimously carried.

The meeting was adjourned on a motion by Ms. Klinefelt, seconded by Mr. Santo, and unanimously approved.



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 April 10, 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: 4/11/17

8670.bd



PROGRESS REPORT

TO: Ms. Candice Miller – Macomb County Public Works Commissioner
Mr. Vincent Astorino – Macomb County Public Works Commissioner’s Office (MCPWCO)

FROM: Erin H. Szczegielniak, PE

DATE: April 17, 2017

PROJECT NO.: 130620

RE: 8 1/2 Mile Relief Drain Drainage District
Stormwater, Asset Management, and Wastewater (SAW)
Asset Management (AM) – Bi-Weekly Progress Report
April 3 – April 14, 2017

Following is a summary of services completed during the past two weeks and the anticipated tasks for the next two weeks:

Items accomplished during the reporting period:

1. Asset Management Database
 - a. Scheduled meeting with MCPWCO, Macomb County Planning, Macomb County IT, and other consultants to coordinate which server the wastewater asset management information being collected will be hosted on, and how the information will be updated in the future.
2. Green Infrastructure Study
 - a. Submitted final report to MCPWCO, SEMCOG, and the Cities of Eastpointe and St. Clair Shores for review.
3. 3D Diagram and Reference Drawings
 - a. Finalized reference drawings based on MCPWCO comments and received final comments from the Chapaton staff.
4. Preventative Maintenance Program
 - a. Re-scheduled meeting with MCPWCO staff to introduce NEXGEN, the Chapaton asset hierarchy, and how to use the preventative maintenance forms and daily inspection forms.
5. Discharge Protocol
 - a. Received meter and supervisory control and data acquisition (SCADA) data for March 30th rain event.
6. Operation and Maintenance (O&M) Manual
 - a. Finalized O&M Manual based on comments.
 - b. Printed hard copies of Manual.
7. Final Report
 - a. Internal review of draft report ongoing.



Anticipated tasks for the upcoming report period:

1. Asset Management Database
 - a. Facilitate the meeting between MCPWCO, Macomb County Planning, Macomb County IT, and other consultants regarding server and database issues.
 - b. Work with METCO to place record drawings on MCPWCO server and hyperlink to NEXGEN.
2. Green Infrastructure Study
 - a. Finalize report once comments have been received from MCPWCO staff.
3. 3D Diagram and Reference Drawings
 - a. Incorporate all comments into reference drawings and submit electronic copies to MCPWCO staff.
 - b. Schedule meeting with MCPWCO staff to present 3D model.
4. Preventative Maintenance Program
 - a. Host training session for MCPWCO staff to introduce NEXGEN, the Chapaton asset hierarchy, and how to use the preventative maintenance forms and daily inspection forms.
5. Discharge Protocol
 - a. Analyze meter and SCADA data for the March 30th rain event.
 - b. Continue work on weir equation.
6. Operation and Maintenance (O&M) Manual
 - a. Deliver final hard and electronic copies of the O&M Manual.
7. Final Report
 - a. Finalize internal review of the report.
 - b. Submit draft report for MCPWCO review.

Needed Information/Actions from MCPWCO/METCO:

1. Review 9 Mile Emergency Bypass structural inspection report and provide comments.
2. Review Green Infrastructure Report and provide comments.
3. Continue forwarding metering data and SCADA data on a regular basis for Discharge Protocol Analysis.
4. Move facility record drawings to MCPWCO server.

nac

By email

cc: Mr. Brian Baker – MCPWCO
Mr. Pete Trombley – MCPWCO
Ms. Maria E. Sedki, PE – FTCH



PROGRESS REPORT

TO: Ms. Candice Miller – Macomb County Public Works Commissioner
Mr. Vincent Astorino – Macomb County Public Works Commissioner’s Office (MCPWCO)

FROM: Erin H. Szczegielniak, PE

DATE: May 1, 2017

PROJECT NO.: 130620

RE: 8 1/2 Mile Relief Drain Drainage District
Stormwater, Asset Management, and Wastewater (SAW)
Asset Management (AM) – Bi-Weekly Progress Report
April 17 – April 28, 2017

Following is a summary of services completed during the past two weeks and the anticipated tasks for the next two weeks:

Items accomplished during the reporting period:

1. Green Infrastructure Study
 - a. Updated the report based on comments from SEMCOG, MCPWCO staff, and Macomb Planning staff.
2. 3D Diagram and Reference Drawings
 - a. Incorporated all comments into reference drawings.
 - b. Began developing additional profiles at the request of MCPWCO staff.
3. Preventative Maintenance Program
 - a. Hosted training session for MCPWCO staff to introduce NEXGEN, the Chapaton asset hierarchy, and how to use the preventative maintenance forms and daily inspection forms.
4. Discharge Protocol
 - a. Analyzed meter data for the March 30th rain event.
5. Operation and Maintenance (O&M) Manual
 - a. Delivered final hard and electronic copies of the O&M Manual.
6. Final Report
 - a. Finalized internal review of the report.

Anticipated tasks for the upcoming report period:

1. Asset Management Database
 - a. Work with METCO to place record drawings on MCPWCO server and hyperlink to NEXGEN.
2. Green Infrastructure Study
 - a. Finalize report once comments have been received from all reviewers.
3. 3D Diagram and Reference Drawings
 - a. Finalize additional profiles for reference drawings and submit electronic copies to MCPWCO staff.
 - b. Schedule meeting with MCPWCO staff to present 3D model.



4. Preventative Maintenance Program
 - a. Schedule follow-up training for MCPWCO staff for NEXGEN and how to use the preventative maintenance forms and daily inspection forms.
5. Discharge Protocol
 - a. Continue analyzing meter and supervisory control and data acquisition (SCADA) data as rain events occur.
6. Operation and Maintenance (O&M) Manual
 - a. Complete.
7. Final Report
 - a. Revise the Michigan Department of Environmental Quality (MDEQ) Summary Report in accordance with new guidelines received this week.
 - b. Submit draft report for MCPWCO review.

Needed Information/Actions from MCPWCO/METCO:

1. Review 9 Mile Emergency Bypass structural inspection report and provide comments.
2. Review Green Infrastructure Report and provide comments.
3. Continue forwarding metering data and SCADA data on a regular basis for Discharge Protocol Analysis.
4. Move facility record drawings to MCPWCO server.

nac

By email

cc: Mr. Brian Baker – MCPWCO
Mr. Pete Trombley – MCPWCO
Ms. Maria E. Sedki, PE – FTCH

<u>Funding Source</u>	<u>Apportionment</u>	<u>Manager</u>	<u>Vendor</u>	<u>Amount</u>	<u>Invoice Detail</u>	<u>Project Summary</u>	<u>Project Balance</u>		
8 1/2 Mile Relief	Chapter 20 State of MI – 16.04% County of Macomb – 2.25% Dept. of Roads – 2.25% Eastpointe – 54.33% SAW Grant 1173-01 SAW Grant 1173-01 SAW Grant 1173-01	Astorino	Consumers Energy	\$ 534.41	Monthly Gas - 2/24/17 - 3/23/17	Chapaton East Building			
		Astorino	Consumers Energy	\$ 593.43	Monthly Gas - 2/24/17 - 3/23/17	Chapaton West Building			
		Astorino	DTE Energy	\$ 9,496.89	Monthly Electrical - 3/9/17 - 4/9/17	Chapaton RTB - Substations 556/557			
		Astorino	Fishbeck, Thompson, Carr & Huber, Inc.	\$ 28,276.80	Invoice #366123 Engineering Services - ending 3/24/17	CIP, Metering/Discharge Protocol, 3-D Model, Green Infrastructure, O&M Manual	\$ 361,190.00		
		Astorino	Martin Control Services	\$ 3,500.00	Invoice #10032 - 4/10/17	Chapaton RTB Monitoring - March 2017			
		Astorino	METCO Services, Inc.	\$ 18,440.00	Invoice #1411-6A - 4/17/17 Engineering Services 10/1/16 - 3/31/17	Asset Valuation/NexGen			
		Astorino	METCO Consulting Engineers	\$ 7,251.58	Invoice #1615-07 Engineering Services - 3/6/17 - 4/2/17	Chapaton CSO Control Facility Operations Management			
		Astorino	National Industrial Supply Co., Inc.	\$ 600.00	Invoice #73316 - 4/4/17	Annual crane/hook inspection - Chapaton W.			
		Astorino	St. Clair Shores	\$ 4,087.83	Water - 12/14/16 - 3/14/16	Chapaton West			
		Astorino	TestAmerica	\$ 897.00	Invoice #19009922 - 4/13/17	Lab analysis of water as required by NPDES Permit			
		SCADA		Astorino	Motor City Electric Technologies, Inc.	\$ 1,180.05	Invoice #90898 - 3/24/17	Chapaton rain gauge data; program key FOB; adjust open/close limits on Outfall Gate #3; install newest version of SCADA to Chapaton PCs; replace power supply for tank level signal at Chapaton E.; canal control structure gates not responding to SCADA - repair	
					Total	\$ 74,857.99			



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

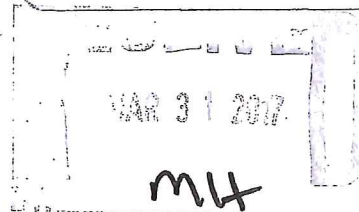
Amount Due:

\$534.41

Please pay by:

April 18, 2017

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



Thank You - We received your last payment of **\$658.84** on **March 07, 2017**

Service Address:
23301 E 9 MILE RD
SAINT CLAIR SHORES MI
48080-0000



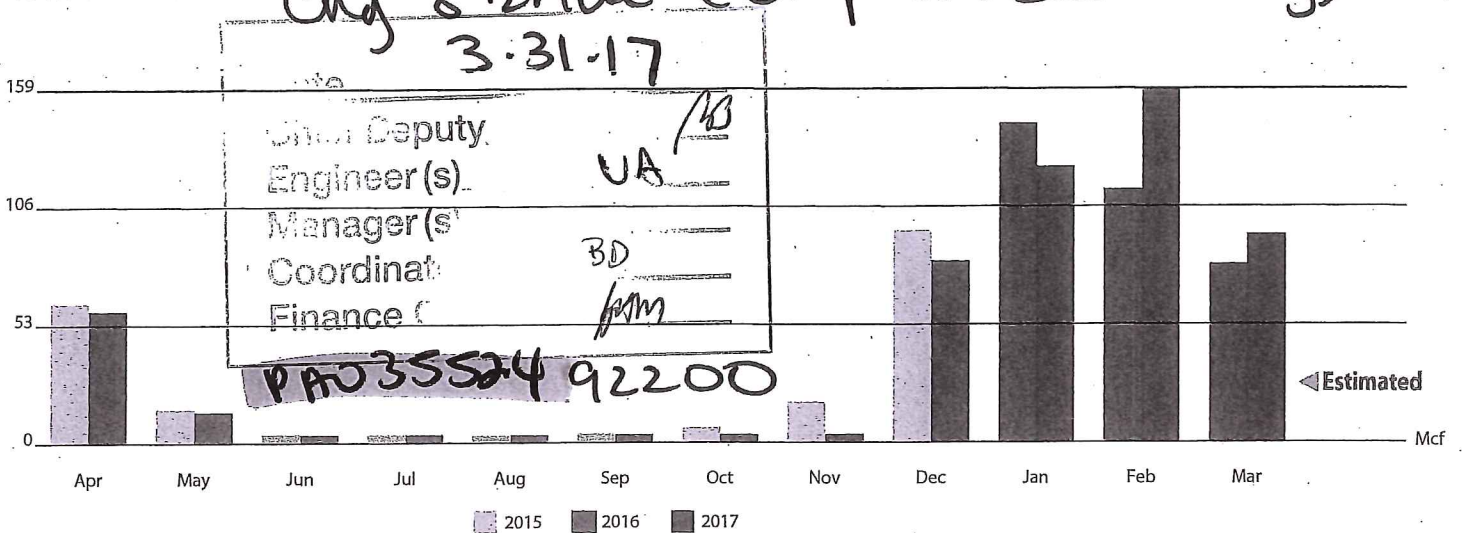
CK# 7771
PAID APR 4 2017

March Energy Bill

Service dates: February 24, 2017 - March 23, 2017 (28 days)

Total Natural Gas Use Mcf - thousand cubic feet

Chg 8 1/2 mile (Chapaton East Bldg)
3-31-17



March Natural Gas Use

93.8 Mcf

March 2016 use: 80 Mcf

Cost per day:

\$19.09

Mcf per day:

3.350

Prior 12 months of gas use:

568 Mcf

STAY SAFE: Call 9-1-1 and 800-477-5050. We'll respond day or night.



Downed power lines. Stay 25 feet away. Call from a safe location.



If you smell natural gas. If the "rotten egg" odor of gas is apparent, call from a safe location.

ALERT - Beware of Phone and Email Scams

Consumers Energy never demands payment using only a prepaid card.

Many options on other side and at www.ConsumersEnergy.com/waystopay

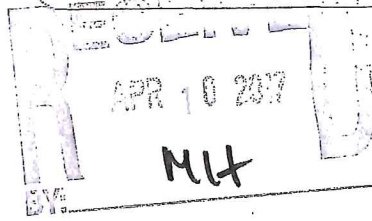
Staff 4-18-17
Board 5-8-17



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

Amount Due: \$593.43
Please pay by: April 17, 2017

**CHAPTON PUMPING STATION
MACOMB CO DRAIN COMM
PO BOX 806
MOUNT CLEMENS MI 48046-0806**



West Bldg
▶ **Thank You - We received your last payment of \$1,588.56 on March 07, 2017**

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

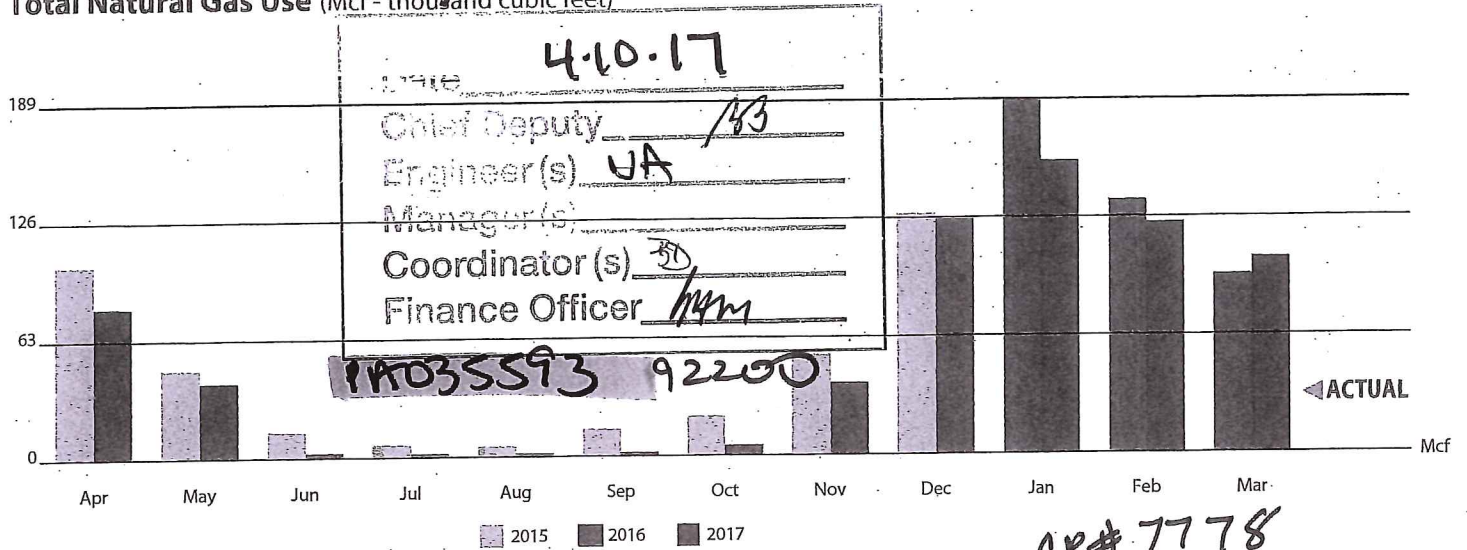


March Energy Bill

Chg: 8 1/2 Mile

Service dates: February 24, 2017 - March 23, 2017 (28 days)

Total Natural Gas Use (Mcf - thousand cubic feet)



*CR# 7778
APR 11 2017*

March Natural Gas Use

104.6 Mcf
March 2016 use: 95 Mcf

Cost per day:
\$21.19

Mcf per day:
3.736

Prior 12 months of gas use:
686 Mcf

*Staff 4.18.17
Board 5-8-17*
STAY SAFE: Call 9-1-1 and 800-477-5050.
We'll respond day or night.



Downed power lines.
Stay 25 feet away. Call from a safe location.



If you smell natural gas.
If the "rotten egg" odor of gas is apparent, call from a safe location.

ALERT - Beware of Phone and Email Scams

Consumers Energy never demands payment using only a prepaid card.

Many options on other side and at
www.ConsumersEnergy.com/waystopay

910000053785 00000949689 B



Payment Coupon

17.207

Account Number	910000053785
Due Date:	May 05, 2017
Total Due:	\$9,496.89

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

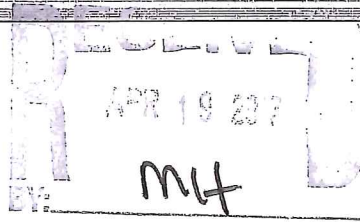


Mail Payments to:
DTE Energy
P.O. Box 630795
Cincinnati OH 45263-0795

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

We assigned a new account number to you this month, its printed on this statement. Your previous account number will remain active until further notice, and AutoPay and third-party payments will be seamless.

Chg: 8 1/2 Mile Rly

Date 4.19.17

Chief Deputy [Signature]

Engineer(s) NA

Manager(s) _____

Coordinator(s) _____

Finance Officer [Signature]

APR 21 2017
CR# 7796

Staff 5.2.17
Board - 5.8.17

PA035707 92300





Fishbeck, Thompson, Carr & Huber, Inc.
 engineers | scientists | architects | constructors
 Federal I.D. No. 38-1841857 | Incorporated

Payment Options

Remit Wire/ACH payments to Acct: 100094457 ABA: 072413829
 Remit checks to: 1515 Arboretum Drive, SE | Grand Rapids, Michigan 49546

APR 10 2017
 MIT

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

Invoice: 366123
Invoice Date: 4/3/2017
Project: 130620
Project Name: Macomb Co Pw/Chapaton SAW

For Professional Services Rendered Through 3/24/2017

	<u>Current</u> <u>Billings</u>
CIP - Chapaton SAW - CIP and Final Report	2,112.00
<i>Rate Labor</i>	2,112.00
DP - Chapaton SAW - Metering & Discharge Protocol	5,803.90
<i>Rate Labor</i>	5,757.00
<i>Unit Rate Expense</i>	46.90
DWG - Chapaton SAW - 3D Model & Ref Dwgs	3,829.00
<i>Rate Labor</i>	3,829.00
GI - Chapaton SAW - Green Infrastructure	8,071.50
<i>Rate Labor</i>	8,071.50
MN - Chapaton SAW - O&M Manual	7,977.90
<i>Rate Labor</i>	7,927.50
<i>Unit Rate Expense</i>	50.40
PM - Chapaton SAW - Overall Mgmt	482.50
<i>Rate Labor</i>	482.50
SP - Chapaton SAW - Prevent Maint	0.00
AM - Macomb Co Pw/Chapaton Saw Am	0.00
EN - Macomb Co Pw/Chapaton Saw En	0.00
	Current Billings
	<u>28,276.80</u>
	Amount Due This Bill
	<u>28,276.80</u>

SAW1173-01

Chg: 8 1/2 Mile

Date	4.10.17
Chief Deputy	AB
Engineer(s)	UA
Manager(s)	
Coordinator(s)	BD
Finance Officer	HAM

PA035606 80300

Staff 4-18-17
 Board 5-8-17



**Martin Control
Services**

23905 Freeway Park Dr.
Farmington Hills, MI 48335
248-476-7660

Invoice No. 10032

Date: 04/10/2017

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

Project: 160929 Chapaton Monitoring

Contact: Vince Astorino

P.O.# Saw #1173-01

Due Date: 05/10/2017

Description	Qty	Rate	Amount
Chapaton Basin Monitoring			
Monitoring Month #6 March 2017	4.000	650.00	2,600.00
Data Upload on 8 March 2017	6.000	150.00	900.00

Chg: 8 1/2 Mile Saw 1173-01

Date	4.14.17
Chief Deputy	AB
Engineer(s)	VA
Manager(s)	
Coordinator(s)	BD
Finance Officer	AKM

PA035694 80300

Staff 5-2-17

Thank you for your prompt payment!

Board 5-8-17

Non-Taxable Amount:	3,500.00
Taxable Amount:	0.00
Sales Tax:	0.00
Amount Due	3,500.00

METCO SERVICES, INC.

CONSULTING ENGINEERS

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

April 17, 2017

Macomb County Public Works
21777 Dunham Road
Clinton Township, MI 48036



Attn: Mr. Vincent Astorino
Engineer II-Wastewater Services

RE: 8-1/2 Mile Drain SAW Grant No. 1173-01
Asset Management Program Implementation
METCO Project No. 1411A

INVOICE #1411-6A

← pay

Attached is the Invoice for the Asset Management Program Implementation in the amount of \$18,440.00 (Eighteen Thousand Four Hundred and Forty Dollars). This invoice includes services provided by METCO for the period October 1, 2016 thru March 31, 2017.

If you have any questions regarding our invoice, please feel free to contact me at (313) 961-4560.

Sincerely,

METCO SERVICES, INC.

Lakshman K. Thallapally, PE
Project Manager

Chg: 8 1/2 Mile Rf SAW
1173-01

	4.21.17
C	uty AB
E	(s) UA
N	(s)
C	nter(s) SB
F	se Officer BM

PA035754 80300

Staff 5-2-17
Board 5-8-17



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

APR 3 2017
MH

April 5, 2017

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

Attn: Mr. Vincent Astorino
Acting Chief Engineer - Wastewater Services

RE: Chapaton CSO Control Facility Operations Management

INVOICE #1615-07

Attached please find our Invoice #1615-07 in the amount of \$7,251.58 (Seven Thousand Two Hundred Fifty-one Dollars and fifty-eight cents only) for Professional Services rendered in connection with the above referenced project for the period March 6, thru April 2, 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

Date	4.7.17.
City/Deputy	As
City/Deputy	UA
City/Deputy	
City/Deputy	30
Finance Officer	AM

PA035556 80300

Staff 4-18-17
Board 5-8-17

16-0006



National Industrial Supply Co., Inc.

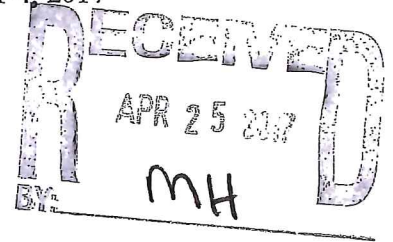
1201 Rochester Rd.
Troy, MI 48083
www.nischain.com

Invoice Number: 73316

Invoice Date: Apr 4, 2017

Voice: (248) 588 - 1828
Fax: (248) 588 - 6829

"A Minority Owned Company"
ISO 9001 :2000 Certified



Sold To:
Macomb County Public Works
23001 Nine Mile Road
St. Clair Shores, MI 48080

Ship To:
Macomb County Public Works
4 Locations
23001 Nine Mile Road
St. Clair Shores, MI 48080

Customer ID
M0047

Purchase Order Number
17-9308

Payment Terms
Net 30 Days

Shipped	B/O	Item Number	Description	Price Ea.	Ext. Price
1.00		I300	<p>On-Site Inspection, Magnetic Particle/Die Penetrant of customers Crane Hooks with mobile test unit in accordance with governing regulatory standards</p> <p>Inspection Date: April 4th, 2017</p> <p>Chg: 8 1/2 Mile \$600⁰⁰</p> <p>SEM CWDS - Martin \$400⁰⁰</p> <p>SEM CWDS - Bonheur \$200⁰⁰</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Date <u>4.25.17</u></p> <p>Chief Deputy <u>AB</u></p> <p>Engineer(s) <u>UA</u></p> <p>Manager(s) _____</p> <p>Coordinator(s) <u>ED</u></p> <p>Finance Officer <u>UMA</u></p> </div> <p>PA035811 93000</p>	1,200.00	1,200.00

Staff 5-2-17
Board 5-8-17

Subtotal 1,200.00
Sales Tax
TOTAL \$1,200.00

17-160



St. Clair Shores Water Bill

ACCOUNT NUMBER 23287-00	SERVICE ADDRESS 23001 NINE MILE	SERVICE TYPE Government
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PREVIOUS READ 1029	CURRENT READ 1063 A	CONSUMPTION 284	FROM: SERVICE PERIOD TO: 12/14/2016 03/14/2017
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BILL NUMBER 00021497	DUE DATE 04/21/2017	PAY AFTER DUE DATE 4292.21	PAY BY DUE DATE 4087.83
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PREVIOUS BALANCE	0.00
Water	1,269.48
Sewer	1,722.18
Customer Chg	321.60
Retention Basins O&M	0.49
Storm Water	774.08
CURRENT BALANCE	4087.83

Temp-Return Service Requested

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

8341
APR 03 2017

Chg: 8 1/2 Mile (Chepton West) MH

4.3.17

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

Manager(s) UA

Coordinator(s) BD

Finance Officer RAM

Water rate: \$4.470/unit
Sewer rate: \$6.064/unit
Total rate: \$10.534
One unit = 748 gallons

CK# 7772

PAID APR 4 2017



City of 035517 92100

St. Clair Shores

27600 Jefferson Circle Drive
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

APR 5 2017

Staff 4-18-17
Board 5-8-17

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

MH

Invoice/Credit No.	19009922	Invoice Date	April 13, 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				
J13157-1	Chapaton Rain Event	03/31/2017			
	5210B - CBOD		13.00	20.00	260.00
	SM4500 P E-1999 - Phosphorus		13.00	18.75	243.75
	4500 NH3 C-1997 - Ammonia		13.00	11.25	146.25
	SM 2540D - Total Suspended Solids		13.00	7.50	97.50
	SM 2540E - Volatile Suspended Solids		13.00	10.00	130.00
	Safe and Environmentally Responsible Waste Management (per sample)		13.00	1.50	19.50
<p>Chg: 8 1/2 Mile</p> <p>Date <u>4.14.17</u></p> <p>Chief Deputy _____</p> <p>Engineer(s) <u>UA</u></p> <p>Manager(s) _____</p> <p>Coordinator(s) <u>SD</u></p> <p>Finance Officer <u>brm</u></p> <p>PA035692 74100</p>					

Staff 5-2-17
Board 5-8-17

Project Number	Client Number	Project Manager	Subtotal	\$897.00
19000006	1407288	Sue Schafer		
Latest Sample Receipt Date	Latest Report Date	Phone Number	Total	\$897.00
03/31/2017	04/13/2017	(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.



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

INVOICE

Job Number	915500	Sub Job	0	Contract Number	001	Date Performed	3/24/2017	Date	4/24/2017	Application Number	90898
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Customer
 PO Number
 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	\$1,180.05	-	\$1,180.05	\$1,180.05	-	-
Totals:		\$1,180.05		\$1,180.05	\$1,180.05		
Less Retained:							
Invoice Total:				\$1,180.05			

AS NEEDED ELECTRIC AND ENGINEERING SERVICES

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORTS

CHAPATON

G170327-071524 - 100% CHAPATON = \$580.05

G170310-170013 - 100% CHAPATON = \$337.50

G170328-164249 - 100% CHAPATON = \$150.00

G170324-170958-100% CHAPATON = \$75.00

G170411-161811-100% CHAPATON SAW GRANT = \$37.50

Chg: 8'1/2 Mile Ref
 Date: 4.25.17
 Chief Deputy: AS
 Engineer(s): JA
 Manager(s):
 Coordinator(s): B
 Finance Officer: JAM

PA035803 80700

Staff: 5.2.17
 Board: 5.8.17

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."

Income Statement
8.5 Mile Relief
As of April 30, 2017

	9-30-2016	10-1-16 to 4-30-17
	Total Fund	O&M*
Revenues		2,266,705.92
Expenditures		824,570.39
Equity**	2,884,401.32	

NOTES

Projected Reserves as of Sept 30, 2017	600,000.00
Projected required SRF repair & replacement reserve balance 9/30/17	1,296,075.00
Total	1,896,075.00

* Includes following Projects:

Sewer Rehab(SRF 5579-01)	Revenue	43,306.00
	Expenditures	37,902.05
	Net	<u>5,403.95</u>
	Remaining balance =	<u>29,889.00</u>
SAW Grant(1173-01)	Revenue	209,397.78
	Expenditures	285,299.97
	Net	<u>(75,902.19)</u>
	Remaining balance =	<u>327,974.25</u>

Major projects not yet completed in 2017

RTB Blower design
 1st collection of 2 for pumping screen improvements
 3 quarters of personnel from county
 9 Mile flow meter
 SCADA wonderware upgrade

** Broken out as follows:

Engineering carryover balance at 9/30/2016	190,000.00
Repair and Maintenance carryover at 9/30/2016	105,000.00
Equipment carryover balance at 9/30/2016	45,800.00
Required SRF repair & replacement reserve balance 9/30/16	1,036,860.00
Emergency Reserve	600,000.00
Due from SEMCWWDS included in revenue but not collected	550,000.00