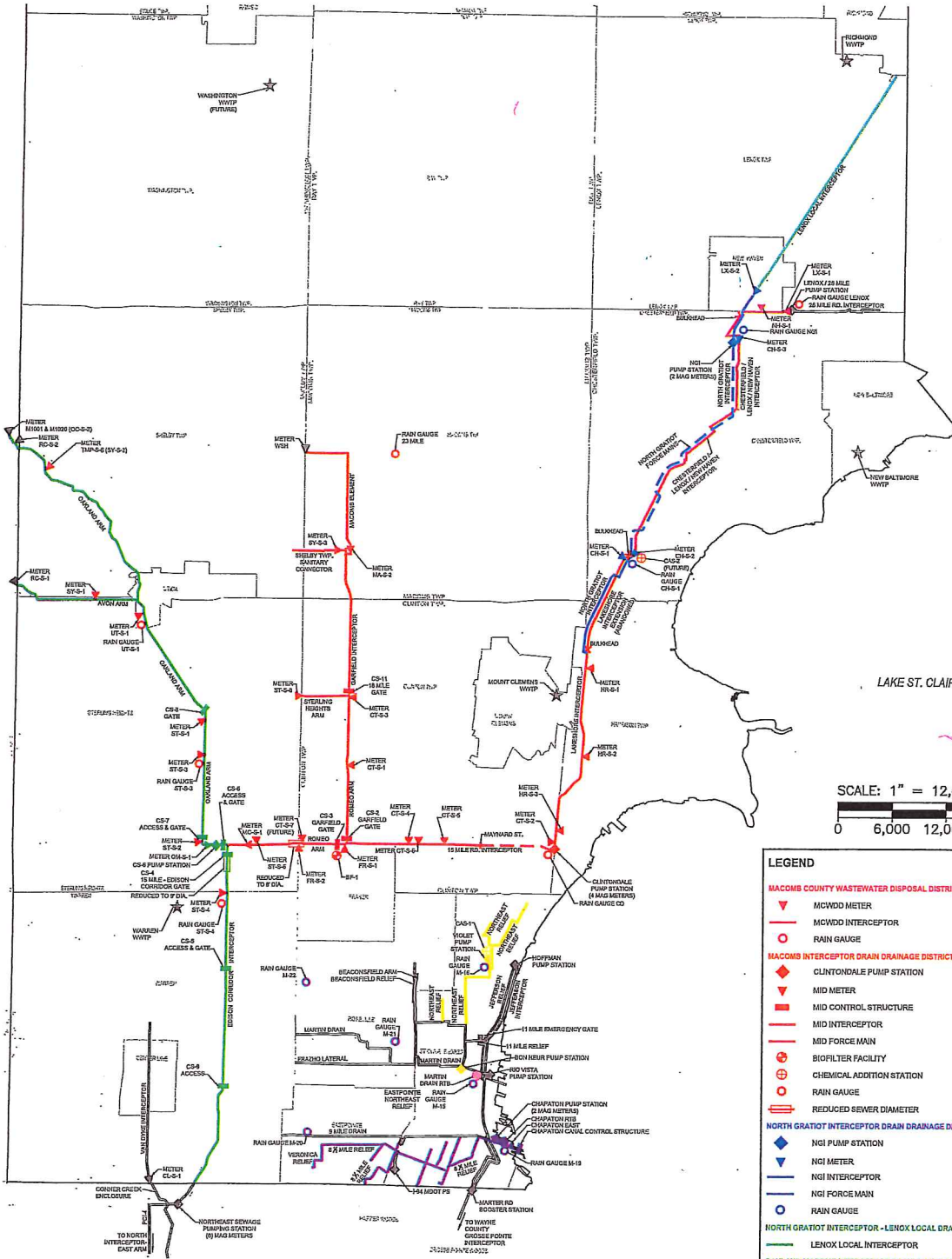


EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
JUNE 11, 2018
10:45 A.M.
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for June 11, 2018	
3. Approval of Minutes for May 14, 2018	3
4. Public participation	
5. Resolution to accept the State Competitive Grant Assistance Program (CGAP) Grant for a Shared Services Plan – Brian Baker	6
Motion: To approve the resolution accepting the State Competitive Grant Assistance Program (CGAP) Grant for \$150,000 for a Shared Services Plan and authorize Macomb County Public Works Commissioner to sign as Chair of the Board	
6. Recommendation to award the contract for mowing of drain sites to Marino's Landscape (next lowest bidder) for \$30,581 – Evans Bantios	12
Motion: To award the quote from Marino's Landscape (next lowest bidder) in the amount of \$30,581 for mowing of Public Works' drain sites, with the 8 ½ Mile Relief share of cost at \$8,181	
7. Consideration for approval of invoices (see attached)	15
8. Financial Report – Bruce Manning	32
9. Adjourn	

MACOMB COUNTY WASTEWATER SYSTEMS



Candice S. Miller
 MACOMB COUNTY PUBLIC WORKS COMMISSIONER



LEGEND	
MACOMB COUNTY WASTEWATER DISPOSAL DISTRICT (MCWDD)	
▼	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)	
◆	NGI PUMP STATION
▼	NGI METER
—	NGI INTERCEPTOR
—	NGI 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
▼	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
1/2 MILE EAST MACOMB COUNTY WASTEWATER DISPOSAL SYSTEM (SEMIDD)	
◆	SEMIDD PUMP STATION
⊕	CHEMICAL ADDITION STATION
—	SEMIDD INTERCEPTOR
MARTIN SANITARY DIVERSION DRAINAGE DISTRICT (MSDD)	
⊕	MARTIN DRAIN RETENTION TREATMENT BASIN
OTHER SYSTEMS	
◆	PUMP STATION
▼	METER
★	WWTP
—	INTERCEPTOR

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 May 14, 2018, at 10:44 A.M.

PRESENT: Candice Miller, Chair
Veronica Klinefelt, Member

ABSENT: Bryan Santo, Member

ALSO PRESENT: Robert Mijac, Macomb County Board of Commissioners; Brian Baker, Chief Deputy, Vincent Astorino, Operations & Flow Manager, Evans Bantios, P.E., Construction and Maintenance Manager, Jeff Bednar, P.E. Environmental Engineer, Bruce Manning, Financial Manager, Richard Ives, Community Wastewater Services Manager, Dan Heaton, Public Relations Manager, Thomas Stockel, Construction Manager, Barbara Delecke, Administrative Services, Macomb County Public Works, Don Coddington, Director, Public Works, Kevin Johnson, Chesterfield Township

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

Minutes of the meeting of April 9, 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.

The Basin Segmentation and Disinfection System Upgrade includes installation of a chamber to capture the first flush of a wet weather event. When the event is over, the chamber will be opened and the flow sent to Detroit.

Ms. Klinefelt questioned how the rating of applicant proposals was done. An evaluation team is put together from staff and a community representative of the drainage district. The Southeast Macomb Sanitary Disposal District (SEMSD) was also invited to participate. The team then evaluates a firm's qualifications, among other criteria. The proposals are scored and then the cost is evaluated. If proposals score close, the firms are then interviewed before a final selection is made. Staff is seeking approval from the Board pending finalization of contract documents.

A motion was made by Mr. Santo, supported by Ms. Klinefelt to approve the award of the proposal by Wade Trim at a not-to-exceed amount of \$137,500, which includes \$20,000 for the Martin Sanitary Diversion portion, for the Basin Segmentation and Disinfection System Upgrade and authorize Candice Miller, Public Works Commissioner to sign the contract documents.

Adopted: YEAS: 3
NAYS: 0

Staff has been working with OHM Advisors to perform a Total Chlorine Monitoring Pilot Study. Macomb County will purchase the equipment to conduct the study. This will help the operators better manage a wet weather event. Approximately five sensors will be placed in the basin and the effluent canal. The project was not bid because it is a service, very specific in nature and OHM Advisors has the experience to perform the pilot project.

A motion was made by Ms. Klinefelt, supported by Mr. Santo to award the proposal by OHM Advisors in the amount of \$22,000 to perform a Total Chlorine Monitoring Pilot Study at the Chapaton Basin and to authorize the purchase of monitoring equipment at a not-to-exceed cost of \$10,000.

Adopted: YEAS: 3
NAYS: 0

The mowing of all drain sites is being presented to the 8 ½ Mile Relief Drain and Macomb Interceptor Drain Boards for approval because of the minimal cost to other districts. The proposal was sent out to bid and Green Meadows Landscape was the lowest bidder.

A motion was made by Ms. Klinefelt, supported by Mr. Santo to approve the quote from Green Meadows Landscape for mowing of Public Works' drain sites, with the 8 ½ Mile Relief share of cost at \$6,615.

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$34,772.11 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 Mr. Santo and supported by Ms. Klinefelt.

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 11:03 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 May 14, 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: 5/21/18

9256.bd



STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

NICK A. KHOURI
STATE TREASURER

May 25, 2018

Candice S. Miller
Public Works Commissioner
County of Macomb - Public Works
21777 Dunham Rd
Clinton Twp, MI 48036

Dear Ms. Miller:

Re: **Notification of Intent to Award - CGAP FY 2018**

The Michigan Department of Treasury (Treasury) – Revenue Sharing and Grants Division received your grant application for the Competitive Grant Assistance Program (CGAP). We are pleased to inform you that the project your governmental unit submitted entitled **Shared Services Agreement Plan** has been selected for a grant award in the maximum amount of **\$150,000.00**.

Enclosed is the intent to award approved budget for your grant project.

Grant Application Conditions

For your reference, enclosed is a copy of the CGAP Information and Conditions. Please review the conditions of the grant award. The conditions contain important information pertaining to the grant award (i.e. requirements for final award, reporting, reimbursement, etc.). Reminder, grant funds are distributed on a reimbursement basis.

Next Step

To receive the Grant Notice of Final Award, Treasury must receive all the required Board Resolution(s), Board Meeting Minutes, or Inter-local Agreements for all participating local units (as indicated in the Conditions of the grant application packet) by Friday, July 27, 2018. **If the resolutions, minutes or agreements have not been received for all participating local units, the project funding will be subject to automatic cancellation.**

Submission of the resolutions, minutes or agreements will be considered an agreement to all provisions specified in the grant application packet and this intent to award letter, and will signify acceptance of the grant award.

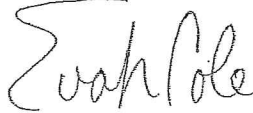
County of Macomb - Public Works
May 25, 2018
Page 2

Please send the required documents by e-mail to TreasRevenueSharing@michigan.gov or by mail to:

Michigan Department of Treasury
Revenue Sharing and Grants Division
PO Box 30722
Lansing, MI 48909

Congratulations to you on the grant award. We appreciate your interest in the CGAP and look forward to working with you on this project. We ask that you inform all participating local units of this intent to award. If you have any questions, please let us know. We can be reached at (517) 373-2697.

Sincerely,

A handwritten signature in black ink that reads "Evah Cole". The signature is written in a cursive style with a large, sweeping initial "E".

Evah Cole, Division Administrator
Revenue Sharing and Grants Division

Enclosures

County of Macomb - Public Works
 May 25, 2018
 Enclosure: Intent to Award Approved Budget Amounts

Shared Services Agreement Plan

Below is the approved budget for your grant project. Please note, all feasibility studies were funded at 25%. We have assigned budget categories to each of your original budget line items. Please use these categories when submitting your reimbursement requests*.

Budget Category	Budget Description	Application Budget Amount	Intent to Award Budget Amount	Comments
	SCADA Integration	\$50,000.00	\$.00	Denied
	Asset Management Integration	\$200,000.00	\$.00	Denied
Contracted Services	Legal	\$25,000.00	\$25,000.00	
Contracted Services	Master Plan	\$125,000.00	\$125,000.00	
	Budget Total	\$400,000.00	\$150,000.00	

*Reimbursement requests must include copies of invoices and cancelled checks (or equivalent) supporting the costs.



BOARD OF COMMISSIONERS

1 S. Main St., 9th Floor
Mount Clemens, Michigan 48043
586.469.5125 ~ Fax: 586.469.5993
www.macombBOC.com

February 28, 2018

Michigan Department of Treasury
Revenue Sharing and Grants Division
Attention: Mr. Nick Khouri
PO Box 30722
Lansing, MI 48909

Dear Mr. Khouri,

The 8 ½ Mile Relief Drainage District Board supports the \$400,000 Competitive Grant Assistance Program (CGAP) application submitted by Candice S. Miller, Macomb County Public Works Commissioner.

The grant is designed to fund improved operations of the four separately managed sewer districts that serve three Macomb County communities. The grant could fund up to \$400,000 toward the development of a regional sewer master plan, an integrated asset management system, improved SCADA coordination, and the development of a consolidated operational agreement that would improve the effectiveness of all the wastewater districts in Southeast Macomb County.

The State grant will provide the funding to further improve system operations, reduce redundancies, and better maintain our critical underground infrastructure. The funding will not only improve operational efficiencies and save money, but just as importantly, will better protect the environment for the entire region by reducing treated combined sewer overflows into Lake St. Clair.

The drainage board appreciates your consideration and looks forward to working collaboratively on this very important project with the Public Works Commissioner.

Sincerely,

Veronica Klinefelt
8 ½ Mile Relief Drain Board
Macomb County Commissioner, District 3

MACOMB COUNTY BOARD OF COMMISSIONERS

Bob Smith – Board Chair
District 12

James Carabelli – Vice Chair
District 6

Elizabeth Lucido – Sergeant-At-Arms
District 9

Andrey Duzyj – District 1

Marvin Sauger – District 2

Veronica Klinefelt – District 3

Joe Romano – District 4

Robert Mijac – District 5

Don Brown – District 7

Phil Kraft – District 8

Robert Leonetti – District 10

Kathy Tocco – District 11

Leon Drolet – District 13

Board Meeting of 8½ Mile Relief Drainage District
County of Macomb

RESOLUTION ACCEPTING THE CGAP GRANT

Minutes of the regular meeting of the Board of the 8½ Mile Relief Drainage District of Chapter 20 Drain Code County of Macomb, State of Michigan, (the "Municipality") held on June 11, 2018.

PRESENT: Members: _____

ABSENT: Members: _____

Member _____ offered and moved the adoption of the following resolution, seconded by Member _____.

WHEREAS, the State of Michigan Department of Treasury has given preliminary notice of its intent to award a Competitive Grant Assistance Program (CGAP) grant in the amount of up to \$150,000 toward reimbursement of expenditures required to implement the Shared Services Agreement Plan (project title), and

WHEREAS, the State of Michigan requires each municipality's governing body to approve a resolution authorizing participation in the proposed project prior to finalizing the award of grants from the State of Michigan's CGAP, and

WHEREAS, the State of Michigan requires a resolution and copies of minutes from the date of the meeting at which the resolution was approved to be provided within 60 days of the preliminary notice of award, and

WHEREAS, Macomb County Public Works (local unit name) acknowledges that its:

1. Has filed its annual financial report (F65) or audit per the Uniform Budgeting and Accounting Act or the Uniform System of Accounting Act
2. Has filed its financial plan (deficit elimination plan) per the Glenn Steil State Revenue Sharing Act
3. Is not delinquent in making payment that are due on loans issued pursuant to the Emergency Municipal Loan Act
4. Does not have a payment due and owing to the state

And thus is eligible to participate in a CGAP grant-funded project;

NOW, THEREFORE, BE IT RESOLVED THAT the 8½ Mile Relief Drainage District (governing body) hereby authorize participation in the Shared Services Agreement Plan (project title) and on behalf of the Macomb County Public Works Office (local unit name) authorize its Chairperson (designee) to provide this resolution and minutes indicating its approval to the State of Michigan, and to

submit and execute documents requested by the State of Michigan relating to the CGAP requirements.

YEAS: Members: _____

NAYS: Members: _____

RESOLUTION DECLARED ADOPTED.

I hereby certify that the foregoing is a true and complete copy of the resolution adopted by the 8½ Mile Relief Drainage District of the State of Michigan, County of Macomb, said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act, being 1976 Public Act 267, and that the minutes of said meeting were kept and will be or have been made available as required by said Act.

Candice S. Miller (name)

Chair of 8½ Mile Relief Drainage District

2018 Lawn Maintenance RFQ Summary & Cost Comparison

A Request for Quotation (RFQ) was published on MITN for Lawn Maintenance at locations identified in Table 2. The RFQ was posted from March 28th to April 12th, with 39 contractors downloading documents during the posting period. On April 12th there were 6 proposals received, which are summarized in Table 1.

The contractors were directed to provide pricing to perform lawn maintenance service from May 1st through October 31st. Green Meadows Lawnscape is the low bidder for the sites described in the RFQ. However, Green Meadows Lawnscape advised our office that they cannot take on the additional work load this season. As a result, the next lowest bidder, Marino's Landscape located in Shelby Township has accepted the project.

The cost per cut, frequency of cut, season total for each site and each drainage district is illustrated in Table 2 and Table 3.

Table 1

	Contractor	Cost
1	Green Meadows Lawnscape	\$29,785.00
2	Marino's Landscape	\$33,451.00
3	Expert Lawn and Snow	\$37,000.00
4	Premier Group Associates	\$39,675.00
5	Ultimate Lawn Service	\$47,120.00
6	Premier Professional Landscape	\$73,632.00

The total cost for Marino's Landscape to maintain all sites listed in Table 2 is \$30,581. The net difference between Green Meadows Lawnscape and Marino's Landscape is only \$796.00, which is negligible at the cost increase for each drainage district.

Marino's Landscape Cost Breakdown

Table 2

No.	Drainage District	Name/Location	Cut	Trim	Frequency	# of Cuts	Cost Per Cut	Total Cost for Season
1	Clinton River Spillway	Clinton River Spillway	Yes	No	Twice a Month	13	\$550.00	\$7,150.00
2	Roseville Consolidated	Roseville Consolidated	Yes	No	Twice a Month	13	\$65.00	\$845.00
3	Bridgewood	Bridgewood	Yes	Yes	Twice a Month	13	\$30.00	\$390.00
4	Hildebrandt	Hildebrandt	Yes	Yes	Twice a Month	13	\$135.00	\$1,755.00
5	MIDDD	Sewage Flow Meter Site CH-S-1	Yes	Yes	Twice a Month	13	\$25.00	\$325.00
6	MIDDD	Sewage Flow Meter Site CH-S-2	Yes	No	Twice a Month	13	\$25.00	\$325.00
7	Shanahan Drain	Shanahan Drain Property	Yes	No	Twice a Month	13	\$95.00	\$1,235.00
8	MIDDD	Bio Filter	Yes	Yes	Once a Week	27	\$45.00	\$1,215.00
9	MIDDD	Sewage Meter Facility SY-S-3	Yes	Yes	Twice a Month	13	\$30.00	\$390.00
10	MIDDD	Sewage Meter Facility ST-S-3	Yes	Yes	Twice a Month	13	\$30.00	\$390.00
11	MIDDD	North Gratiot Pump Station	Yes	Yes	Once a Week	27	\$45.00	\$1,215.00
12	MIDDD	Clintondale Pump Station	Yes	Yes	Once a Week	27	\$45.00	\$1,215.00
13	MIDDD	Sewage Flow Meter Site NH-S-1	Yes	Yes	Twice a Month	13	\$30.00	\$390.00
14	MIDDD	ARV Vaults – 23 locations	Yes	Yes	Once a Month	7	\$345.00	\$2,415.00
15	11 ½ Mile Relief	11 ½ Mile Relief Property	Yes	Yes	Twice a Month	13	\$55.00	\$715.00
16	SEMCWDS	Bon Huer Pump Station	Yes	Yes	Once a Week	27	\$30.00	\$810.00
17	SEMCWDS	Violet Pump Station	Yes	Yes	Once a Week	27	\$30.00	\$810.00
18	8 ½ Mile Relief	Chapaton Retention Treatment Basin	Yes	Yes	Once a Week	27	\$275.00	\$7,425.00
19	8 ½ Mile Relief	Vacant Lot on Gaukler Street	Yes	Yes	Once a Week	27	\$28.00	\$756.00
20	Martin Sanitary Diversion	Martin Retention Treatment Basin	Yes	Yes	Once a Week	27	\$30.00	\$810.00

The total cost allocated to the respective drainage districts is summarized in Table 3. The contractor awarded this work would be required to execute a contract with each of the 10 drainage districts.

Table 3

No.	Drainage District	Drain Chapter	Total Cost
1	MIDDD	20	\$7,880.00
2	8 ½ Mile Relief	20	\$8,181.00
3	Martin Sanitary Diversion	20	\$810.00
4	SEMCWDS	342	\$1,620.00
5	Clinton River Spillway	21	\$7,150.00
6	Roseville Consolidated	20	\$845.00
7	Bridgewood	4	\$390.00
8	Hildebrandt	4	\$1,755.00
9	Shanahan Drain	20	\$1,235.00
10	11 ½ Mile Relief	20	\$715.00
TOTAL			\$30,581.00

Table 4 compares the cost incurred during the 2017 season versus 2018 costs for six locations using Marino’s Landscape.

Table 4

No.	Drain	2017 Cost Per cut	2018 Cost Per cut	Savings Per cut	Total Savings for Season
1	Clinton River Spillway	\$980.00	\$550.00	\$430.00	\$5,590.00
2	MIDDD ARV Vaults	\$920.00	\$345.00	\$460.00	\$4,025.00
3	Bridgewood	\$520.00	\$30.00	\$490.00	\$6,370.00
4	Hildebrandt	\$520.00	\$135.00	\$385.00	\$5,005.00
5	Roseville Consolidated	\$520.00	\$65.00	\$455.00	\$5,915.00
6	Shanahan Drain	\$520.00	\$95.00	\$425.00	\$5,525.00
TOTAL SAVINGS					\$32,430.00

Further, if we spend a \$15,320 of the \$32,470 savings generated by contracting Marino’s Landscape to maintain sites previously maintained by our MIDDD and Chapaton staff, we can redirect our full-time staff to more important and skilled tasks such as cleaning out the Air Relief Valves which we now pay a contractor \$120,000 per year, providing additional savings.

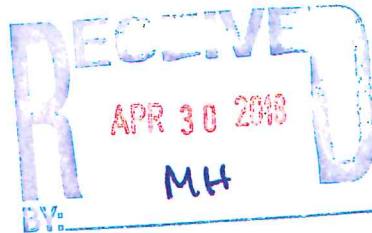
Marino’s Landscape is less expensive than hiring part-time seasonal staff to cut grass, as they can cut all of our sites (absent Sterling Relief) for less than \$30,000 per year.

EIGHT AND ONE-HALF MILE RELIEF DRAIN - JUNE 11, 2018

<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% St. Clair Shores - 25.13%	Astorino	CDM Smith	\$ 1,317.36	Invoice #90043566 - 4/19/18	Sampling for TRC Mixing Zone Demo	Final
		Astorino	Consumers Energy	\$ 633.12	Monthly Gas - 3/24/18 - 4/24/18	SWP's	
		Astorino	DTE Energy	\$ 11,230.74	Monthly Electric - 4/10/18 - 5/7/18	As-needed Engineering for Metering - Chapaton/SEMSD	
		Astorino	Fishbeck, Thompson, Carr & Huber	\$ 2,916.00	Invoice #374887 - 5/29/18 Engineering Services - ending 5/18/18		
		Astorino	Great Lakes Pest Control, Inc.	\$ 500.00	Invoice #43787 - 5/8/18	Spider Control	
		Astorino	Jones Chemicals, Inc.	\$ 7,105.78	Invoice #756291 - 5/15/18	Hypochlorite Solution - 7,869 gallons	
		Astorino	Kone, Inc.	\$ 791.37	Invoice #949908394 - 5/1/18	Quarterly Elevator Maintenance	
		Astorino	Lardner Elevator	\$ 1,043.90	Invoice #183073 - 5/4/18	Elevator Repair	
		Astorino	Macomb County	\$ 150,494.59	Invoice #AR180345 - 5/4/18	1st Quarter Reimbursement - Personnel & Operating Expenses	
		Astorino	PVS Nolwood Chemicals, Inc.	\$ 4,888.39	Invoice #595546 - 5/16/18	Hypochlorite Solution - 4,603 gallons	
		Astorino	PVS Nolwood Chemicals, Inc.	\$ 4,735.46	Invoice #595547 - 5/15/18	Hypochlorite Solution - 4,459 gallons	
		Astorino	Shores Trailer Sales	\$ 4,595.00	Invoice #10549 - 5/10/18	Utility Trailer for Hauling Equipment	
		Astorino	TestAmerica, Inc.	\$ 759.00	Invoice #19012441 - 4/27/18	Lab Analysis of Water Samples	
		Astorino	TestAmerica	\$ 1,518.00	Invoice #19012630 - 5/25/18	Lab Analysis of Water Samples	
		Astorino	TestAmerica	\$ 690.00	Invoice #19012649 - 5/29/18	Lab Analysis of Water Samples	
Total				\$ 193,218.71			



645 Griswold Street, Suite 3770
 Detroit, MI 48226
 Tel: +1 (313) 963-1313
 Fax: +1 (313) 962-8525



Please Remit To:
 CDM Smith Inc.
 15050 Collections Center
 Drive
 Chicago IL 60693

INVOICE

MACOMB COUNTY PUBLIC WORKS
 VINCENT ASTORINO
 OFFICE OF THE MACOMB COUNTY PUBLIC WORKS
 COMMISSIONER
 21777 DUNHAM ROAD
 CLINTON TOWNSHIP MI 48036

Account Number: 000200418081
 Wire Routing: 011000138
 Invoice Number: 90043566
 Invoice Date: 19-APR-2018
 Project Number: 221788

Amount Due : \$1,317.36

Services from 01-OCT-17 to 14-APR-18

Client Project Name : Sampling for TRC Mixing Zone Demo - 8 1/2 Mile Relief Drain Drainage District
 Client Project Number : 11-0013.1

TRC MIXING ZONE DEMO

Description	Amount
Direct Labor	\$1,332.18
Other Direct Costs	\$0.00
Outside Professionals	\$0.00
Events	(\$14.82)
Total Due	\$1,317.36

Description	Amount
Previously Invoiced	\$72,372.64 ✓
Invoiced ITD	\$73,690.00
Total Contract Amount	\$73,690.00
Balance Remaining	\$0.00
Percent Complete	100.00%

Chg: 8 1/2 Mile

Date 4.30.18
 Chief Deputy AD
 Engineer (s) _____
 Manager (s) UA
 Coordinator (s) BD
 Finance Officer [Signature]

PA 039243 80300

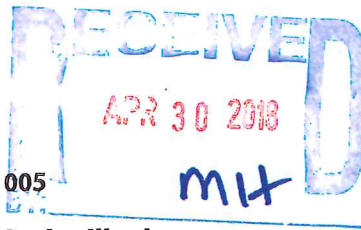
Staff 5-15-18
 Maria 10-11-18



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

Amount Due: **\$633.12**
Please pay by: **May 18, 2018**

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



▶ **Thank You** - We received your last payment of **\$735.31** on **April 11, 2018**

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

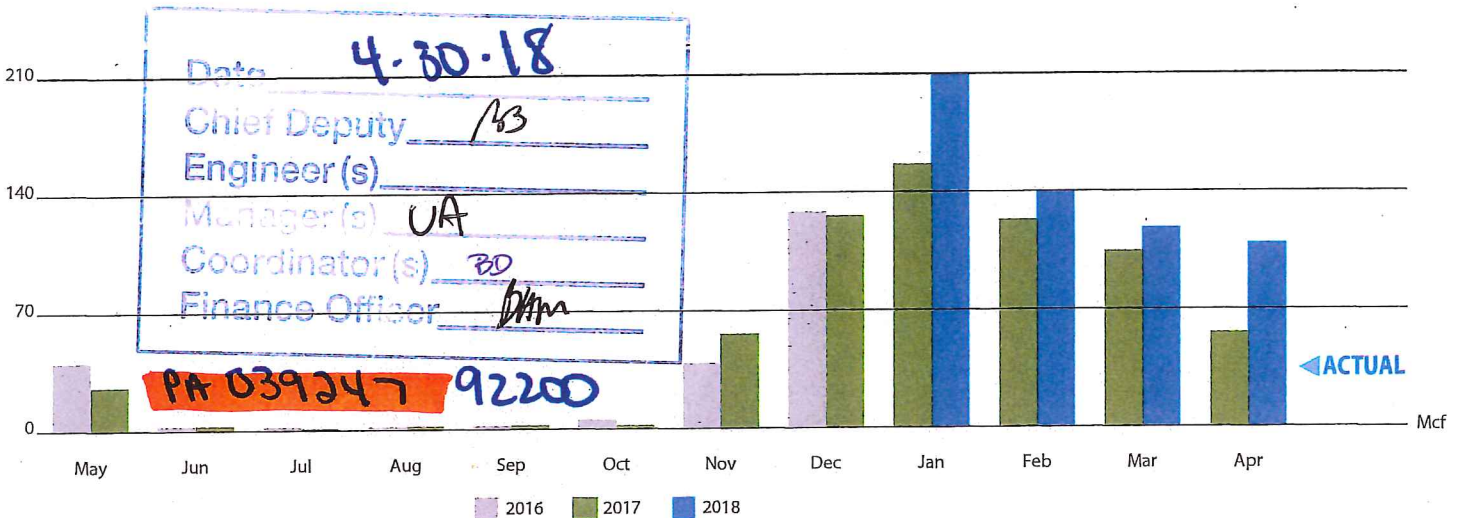


April Energy Bill

Chy: 8 1/2 Mile

Service dates: March 24, 2018 - April 24, 2018 (32 days)

Total Natural Gas Use (Mcf - thousand cubic feet)



Date: 4-30-18
 Chief Deputy: AB
 Engineer(s): _____
 Manager(s): UA
 Coordinator(s): BO
 Finance Officer: DM

PA 039247 92200

April Natural Gas Use
109.5 Mcf
April 2017 use: 56 Mcf

Cost per day:
\$19.79

Mcf per day:
3.422

Prior 12 months of gas use:
800 Mcf

*Start 5-15-18
Board 4-11-18*

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.



Explore Energy Efficiency Solutions for Your Business

Discover the many ways your business can save, or tell us a little about your business to find the solutions best suited to you.



Get started
www.ConsumersEnergy.com/startsaving

Account Information

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

18-201

Account Number 9100-0005-3785

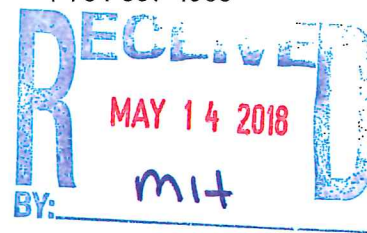
DTE-Energy Federal ID No. 38-3217752

Programs you are enrolled in:

How to contact us:

Power Outage
Billing Inquiry

See Detail Charges
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 current billing period, the sales tax appears in two lines on the electric portion of your bill: the first for the service dates prior to May 1, and the second for the remaining service period of this billing statement.

chg: 8 1/2 Mile

Date	5.14.18
Chief Deputy	BR
Eng. (s)	
Manager(s)	UA
Coordinator(s)	BD
Finance Officer	JMM

PA 039396 92300



Staff 4-5-18
Board 4-11-18



Detail Charges

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

Outage Contact Number: 1-313-235-1300

Invoice: 210000447478

Billing Period: 04/10/2018 through 05/07/2018

Days Billed: 28

Metering Information

Meter Number	Start Date	Start Read	Stop Date	Stop Read	Read Difference	Units Multiplier	Usage Used	Type
6321448	04/10	263.9A	05/07	270.6A	6.7	6,400.0000	42,880.0	P - In-V
6321448	04/10	321.9A	05/07	333.3A	11.4	6,400.0000	72,960.0	P - In-W
6321449	04/10	0.0A	05/07	0.0A	0.0	- 6400.000	0.0	P - Out-W
6321449	04/10	0.7A	05/07	0.8A	0.1	- 6400.000	640.0	P - Out-V
6321451	04/10	0.4A	05/07	0.4A	0.0	6,400.0000	0.0	P - In-V
6321451	04/10	0.4A	05/07	0.4A	0.0	6,400.0000	0.0	P - In-W
Total KVARH							43,520.00	
Total KWH							72,960.00	

Invoice: 210000447478 Service Name: Chapaton Pumping Station

Item: 7004376662 Cycle: 05

General Service Municipal Pumping-Net Metering

Billing Status Information

1	On-peak Billing Demand	266	KW	ESTABLISHED	04/19/2018	11:30
3	65% High OP Bill Dmd June-Oct prec 11 mths	1697	KW	ESTABLISHED	09/19/2017	15:30
8	Highest Single Billing Demand	2278	KW	ESTABLISHED	04/15/2018	13:30
A	Current PV High Monthly Demand	2278	KW	ESTABLISHED	04/15/2018	13:30
B	50% of the Contract Capacity for PV	0	KW			
C	Primary Voltage Maximum Demand	4101	KW	ESTABLISHED	08/28/2017	21:00
	Contract Capacity for Location	6738	KW	ESTABLISHED	08/16/2016	05:00
	Power Factor (ratio) for all voltages	86	PCT			
	Total Number of days in the Billing Period	28	DAYS			
	Avg Kilowatthours Used Per Day This Period	2606	KWH			
	Avg Kilowatthours Used Per Day A Year Ago	2263	KWH			
	kWh percentage change from a year ago	15	PCT			
	Metered outflow	0	KWH			
	Net Delivery Billed (inflow)	72960	KWH			
	Net Inflow (In - Out)	72960	KWH			

Charges for 04/10/2018 through 05/07/2018

Power Supply Charges:

Power Supply Energy:						
Power Supply Energy Charge	0	KWH	@ \$	0.0774300	Per Total KWH	0.00
(04/10/2018-04/30/2018)						
Power Supply Capacity Charge	72,960	KWH	@ \$	0.0321400	Per Total KWH	2,344.93
(05/01/2018-05/07/2018)						
Power Supply Non Capacity Charge	72,960	KWH	@ \$	0.0477800	Per Total KWH	3,486.03
(05/01/2018-05/07/2018)						
Surcharges:						
Power Supply Cost Recovery Factor	72,960	KWH	@ \$	-0.0008700	Per Total KWH	- 63.48
						5,767.48
Sub Total:						

Delivery Charges:

Service Charge						11.25
Distribution:						
Distribution Energy (04/10/2018-04/30/2018)	0	KWH	@ \$	0.0392000	Per Total KWH	0.00
Distribution Energy (05/01/2018-05/07/2018)	72,960	KWH	@ \$	0.0386500	Per Total KWH	2,819.90
Surcharges:						
Nuclear Surcharge (04/10/2018-04/30/2018)	0	KWH	@ \$	0.0007280	Per Total KWH	0.00
Nuclear Surcharge (05/01/2018-05/07/2018)	72,960	KWH	@ \$	0.0007650	Per Total KWH	55.81
Energy Waste Reduction	2	MTR	@ \$	37.2200000		74.44
LIEAF Factor	2	MTR	@ \$	0.9300000		1.86
Sub Total:						2,963.26
Special Facilities Charge						2,500.00

Invoice Subtotal

Michigan State Sales Tax On Taxable Portion

11,230.74

0.00

Invoice Total

\$11,230.74





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

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

Invoice : 374887
Invoice Date : 5/29/2018
Project : 130622
Project Name : Macomb Co PW/As-needed Assist
Bill Term : 1

For Professional Services Rendered Through 5/18/2018

J - Macomb Co PW/SEMSD_Chapaton Meters 2,916.00
 Work included updating the Martin RTB Flow Schematic,
 Updating the Chapaton Meter Plans, and start work on the
 Martin Meter Plans
Rate Labor 2,916.00

Current Billings 2,916.00
Amount Due This Bill 2,916.00

Chy: 8 1/2 Mile

Date	5-29-18
Chief Deputy	AB
Engineer (s)	WA
Manager (s)	WA
Coordinator (s)	3D
Finance Officer	WAM

PA 039463 80300

Staff 4.5.18
 Board 4.11.18

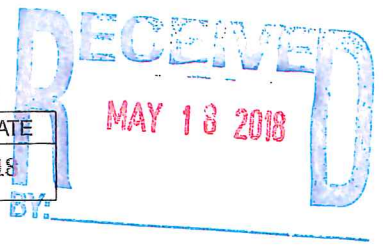
09-0014.22



**GREAT LAKES
PEST CONTROL CO., INC.**
14530 Nine Mile Road
WARREN, MICHIGAN 48089

Billing Inquiry (248) 548-3030

INVOICE



INVOICE NO. 43787	INVOICE DATE May 8, 2018
-----------------------------	-----------------------------

SOLD TO: **Chapaton Macomb Pump Station**
Accounts Payable 15264
23001 9 Mile
St Clair Shores, MI 48080

PURCHASE ORDER NUMBER	DATE ORDERED May 8, 2018	PAYMENT DATE Jun 7, 2018	SALESPERSON
-----------------------	-----------------------------	-----------------------------	-------------

TERMS Net 30 Days	NOTES
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REFERENCE	DESCRIPTION	AMOUNT
	Exterior Power Spray 5-7-18 ****Please note invoice number on payment	500.00

MESSAGE:

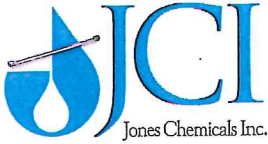
SUBTOTAL	500.00
SALES TAX	
SHIPPING	
TOTAL	500.00

Chg: 8 1/2 Mile

Date	<i>5-18-18</i>
Chief Deputy	<i>B</i>
Engineer(s)	
Manager(s)	<i>JA</i>
Coordinator(s)	<i>BD</i>
Finance Officer	<i>ARM</i>

PA-039425 77500

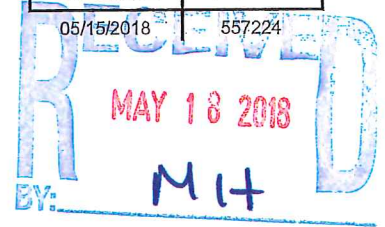
Staff 6-5-18
Board 6-11-18



www.jcichemicals.com

INVOICE

Inv Date	Invoice #
05/15/2018	756291
Date Shipped	Order/BOL #
05/15/2018	557224



*** 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

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	06/14/2018	6/14/2018	
Units	Package	Product Name	Total Quantity	Unit Price	Amount
7,869.00	1 Gal Bulk	HYPOCHLORITE SOLUTION, SS150 1201-001 BULK (\$85 Stop Fee) (+ fsc)	7,869.0000/Gal	0.9000/Gal	7,082.10
General Remarks:		<> EMAIL INVOICE TO: michelle.houvener@macombgov.org <> OUTSIDE CARRIER: HAROLD MARCUS NET WEIGHT: 79,540 FSC			
		Fuel Surcharge			23.68

Chg: 8 1/2 Mile
 Date: 5.18.18
 Chief Deputy: AB
 Engineer(s):
 Manager(s): UA
 Coordinator(s): BD
 Finance Officer: bkm

PA039426 74250

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Total: 7,105.78

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

PLEASE PAY
 THIS AMOUNT

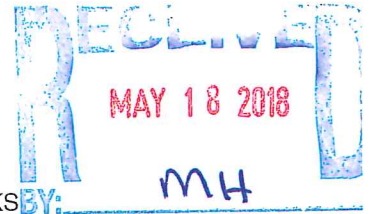


Staff 6-5-18
 Board 6-11-18

JCI Welcomes payments via ACH, EFT and WIRE



Maintenance Invoice



Document Date: 05/01/2018
Document Number: 949908394

Contract Number: N40092539
Purchase Order:

Customer Number: N273080
MACOMB COUNTY PUBLIC WORKS
23001 9 MILE RD
SAINT CLAIR SHORES MI 48080

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



	Amount	Total
Period: 05/01/2018-07/31/2018 Contract type: Exam & Lube- Geared Freight	\$ 166.59	\$ 166.59

Equipment N°	Location	Equipment Address
20304746	TIGER LIFT TF	VIOLET PUMP STATION GREATER MACK LIFT 30801 GREATER MACK AVE SAINT CLAIR SHORES MI 48082

Period: 05/01/2018-07/31/2018 Contract type: Complete Maintenance- Geared Passenger	\$ 624.78	\$ 624.78
--	-----------	-----------

Equipment N°	Location	Equipment Address
20291919	PASSENGER ELEV 11101	CHAPATON RETENTION BASIN 23001 NINE MILE ROAD SAINT CLAIR SHORES MI 48080

Total		\$ 791.37
--------------	--	------------------

Payment Terms: Net 10
Please pay before: 05/31/2018
Late Payment Interest: 1.50%

Date 5-18-18
 CUP Deputy AB
 Equipment 181
 Mfg. Serial JA
 Occurrence BD
 Finance Officer BTM

8 1/2 Mile @ 624.78
 Chg: SEMCWWS \$ 166.59

Staff 6.5.18
 Board 6.11.18

PA039427 77500

KONE Americas
One KONE Court
Moline, IL 61265

Telephone: +1 888-705-3612
Email: Billing.Questions@KONE.com
Internet: www.kone.com

KONE Inc. TAX ID 36-2357423

LARDNER↑ ELEVATOR↓

729 Meldrum, Detroit, MI 48207
 Phone: (313) 568-1600 Fax: (313) 568-0488
 Email: info@lardnerelevator.com
 www.lardnerelevator.com

RECEIVED
 MAY 18 2018
 ML

INVOICE

Invoice #
183073

Bill To: Chapaton Pump Station
 23001 E. Nine Mile
 St. Clair Shores, MI 48080

Account: Chapaton Pump Station
 23001 E. Nine Mile
 St. Clair Shores, MI 48080
 Account #: 00-6198-4

Date	May 04, 2018	Terms	Upon Receipt	Route	Non-contract	Job #	3110
Inv #	183073	PO #	18-9318	Territory	LECO	Type	Repair

Quantity	Description	Taxable	Measure	Price	Amount
3.00	Mechanic R/T#196 TT-143877	No	Each	204.00	\$612.00
3.00	Zone Pay	No	Each	4.78	\$14.34
2.00	Mechanic R/T#198 TT-143941	No	Each	204.00	\$408.00
2.00	Zone Pay	No	Each	4.78	\$9.56

04/16/2018 TT-143877 & 143941 E#11101
 Elevator doors reopening at basement level. While working on problem, got trapped in elevator. Problem was dirty door lock. Clean and adjusted. Check operation and return to service.

Date 5-18-18
 Chief Deputy BD
 Engineer UD
 Manager UD
 Coordinator (s) BD
 Finance Officer DEM

Chg: 8 1/2 Mile

93000 PA039431

Taxable	\$0.00
Non-Taxable	\$1,043.90
Sub-Total	\$1,043.90
Sales Tax	\$0.00
TOTAL	\$1,043.90

PLEASE DETACH THIS PORTION AND RETURN WITH PAYMENT



Lardner Elevator Company
 729 Meldrum
 Detroit, MI 48207

Account # 00-6198-4
 Chapaton Pump Station
 Invoice # 183073
 Amount \$ 1,043.90
 Paid \$ 1043.90

Staff 6-5-18
 Board 6-11-18

Payment Terms:

Invoice Date
05/04/2018

Invoice
AR180345

Due Upon Receipt

REF DATE	DESCRIPTION	AMOUNT
05/04/2018	1ST QTR 18 CHAPOTON -PERSONNEL	147,820.99
05/04/2018	1ST QTR 18 CHAPOTON -OPERATING	2,673.60
05/04/2018	1ST QTR 18 WASTE WTR-PERSONNEL	326,094.56
05/04/2018	1ST QTR 18 WASTE WTR-OPERATING	4,110.44
	Charges	480,699.59
	Amount Due	480,699.59

RECEIVED
MAY 07 2018
M4
BY: _____

\$150,494.59

***** 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: AR180345

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

Invoice Date: 05/04/2018

Amount Due: \$480,699.59

DATE	5.7.18
CHIEF DEPUTY	Bob
ENGINEER(S)	
MANAGER(S)	UA
COORDINATOR(S)	30
FINANCE OFFICER	hmm

CHARGE: 8 1/2 Mile

PA 039344 70200

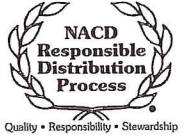
Staff 5.15.18
Beard 10.11.18



PVS Nolwood Chemicals, Inc.

10900 Harper Avenue, Detroit, MI 48213
Telephone: 313-925-0300 Fax: 313-571-2225

RECEIVED
MAY 29 2018
BY: MT



INVOICE

No. 595546

Sold To: Macomb County Public Works
57769 21777 Dumham
Clinton Twp, MI 48036

Ship To: Chapaton Retention Basin
57770 23001 Nine Mile Rd.
St. Clair Shores, MI 48089

Ship ID: 627028 Load ID 348447
Sales Order: 589004
Customer PO
Invoice / Ship Date: 5/16/2018

Payment Terms: Net 30 Days
Freight Type: DIRW-del
Ship Via: CommCarBk
Originating Warehouse: DIRW

SO Line	Quantity Ordered	Ord UOM	Qty to Follow	Product Description	Quantity Shipped	Quantity Invoiced	Inv UOM	Unit Price	Total
1	45,000.00	LB	0.00	PVS N Sodium Hypochlorite 12.5% Bulk	46,480.83	4,603.00000	GA	1.06200	4,888.39

Reference 254766D

Please Pay This Amount

\$4,888.39

Please Remit To: **PVS Nolwood Chemicals, Inc.**
25210 Network Place
Chicago, IL 60673-1503

Chg: 8 1/2 Mile

Date	5.29.18
Chief Deputy	AB
Engineer(s)	
Manager(s)	JA
Coordinator(s)	DP
Finance Officer	[Signature]

PA 039516 74200

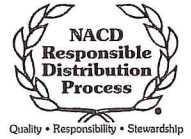
Staff 6-5-18

Measure 6-11-18



PVS Nolwood Chemicals, Inc.

10900 Harper Avenue, Detroit, MI 48213
Telephone: 313-925-0300 Fax: 313-571-2225



INVOICE
No. 595547

Sold To: Macomb County Public Works
57769 21777 Dumham
Clinton Twp, MI 48036

Ship To: Chapaton Retention Basin
57770 23001 Nine Mile Rd.
St. Clair Shores, MI 48089

Ship ID: 627029 Load ID 348449
Sales Order: 589003
Customer PO
Invoice / Ship Date: 5/15/2018

Payment Terms: Net 30 Days
Freight Type: DIRW-del
Ship Via: CommCarBk
Originating Warehouse: DIRW

SO Line	Quantity Ordered	Ord UOM	Qty to Follow	Product Description	Quantity Shipped	Quantity Invoiced	Inv UOM	Unit Price	Total
1	45,000.00	LB	0.00	PVS N Sodium Hypochlorite 12.5% Bulk	45,026.72	4,459.00000	GA	1.06200	4,735.46

Reference 254765D

Please Pay This Amount
\$4,735.46

Please Remit To: **PVS Nolwood Chemicals, Inc.**
25210 Network Place
Chicago, IL 60673-1503

Chg: 8 1/2 Mile

Date	5.29.18
Chief Deputy	AB
Engineer (e)	
Manager (e)	JA
Coordinator (e)	JD
Finance Officer	RAM

PA039515 74200

Staff 6-5-18
Board 6-11-18

Shores Trailer Sales

www.shorestrailersales.com
 43614 N. Gratiot Ave
 Clinton Twp., MI 48036
 586 463-8000 | Fax: 586 463-8212

Invoice #: 10549

Date: 05/10/2018



Customer Info:
 Macomb County Public Works
 21777 Dunham
 Clinton Twp. MI 48036

586 469-4257

PO#18-9328

Quantity	Description	Unit Price	Line Total
	2018 Griffin CFT 20' D/O EQ 20ft Deck Over Equipment 14k GVW		\$ 4,595.00

Chg: 8 1/2 Mile

Date 5.29.18
 Chief Deputy AB
 Engineer(s) _____
 Manager(s) UA
 Coordinator(s) BD
 Finance Officer Mm

PA 039520 97600

VIN #: 56WEU2025JE014349	Subtotal	\$ 4,595.00
Weight: 4180 lbs	Sales Tax	\$ 0.00
	Plate/Registration	\$ 0.00
	Deposit	
	Trade In	
	Balance/Total	\$ 4,595.00

Staff 6.5.18
 Board 6.11.18

RECEIVED
 APR 30 2018
 BY: MH

Invoice/Credit No.	19012441	Invoice Date	April 27, 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			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
J16063-1	Chapaton Rain Event 5210 B-2011 - CBOD SM4500 P E-2011 - Phosphorus 4500 NH3 C-2011 - Ammonia 2540 D-2011 - Total Suspended Solids 2540E-2011 - Volatile Suspended Solids Safe and Environmentally Responsible Waste Management (per sample) Week-end technician charges included on Martin job 190-16062 <i>Chg: 8 1/2 Mile</i>	04/17/2018			
			11.00	20.00	220.00
			11.00	18.75	206.25
			11.00	11.25	123.75
			11.00	7.50	82.50
			11.00	10.00	110.00
			11.00	1.50	16.50

Date 4-30-18

Chief Deputy AB

Engineer(s) _____

Manager(s) UA

Coordinate (s) BD

Finance Officer hkm

PA039259 74100

Project Number	Client Number	Project Manager	Subtotal (USD)	\$759.00
19000006	1407288	Sue Schafer		
Latest Sample Receipt Date	Latest Report Date	Phone Number	Total (USD)	\$759.00
04/17/2018	04/27/2018	(810) 229-2763		

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

Staff 5-15-18
 Board 6-11-18

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.

RECEIVED
MAY 29 2018
BY: MI

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Invoice/Credit No.	19012630	Invoice Date	May 25, 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			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
J16287-1	Chapaton Rain Event 5210 B-2011 - CBOD SM4500 P E-2011 - Phosphorus 4500 NH3 C-2011 - Ammonia 2540 D-2011 - Total Suspended Solids 2540E-2011 - Volatile Suspended Solids Safe and Environmentally Responsible Waste Management (per sample)	05/13/2018			
			22.00	20.00	440.00
			22.00	18.75	412.50
			22.00	11.25	247.50
			22.00	7.50	165.00
			22.00	10.00	220.00
			22.00	1.50	33.00

Chy: 8 1/2 Mile

Date 5.29.18
Chief Deputy BD
Engineer(s) _____
Manager(s) UK
Coordinator(s) BD
Finance Officer MM

PA039491 74100

Project Number	Client Number	Project Manager	Subtotal (USD)	\$1,518.00
19000006	1407288	Sue Schafer		
Latest Sample Receipt Date	Latest Report Date	Phone Number	Total (USD)	\$1,518.00
05/13/2018	05/25/2018	(810) 229-2763		

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

Staff 6-5-18
Board 6-11-18

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.

Invoice/Credit No.	19012649	Invoice Date	May 29, 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

RECEIVED
 MAY 29 2018
 BY: M.H.

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
J16298-1	Chapaton Rain Event 5210 B-2011 - CBOD SM4500 P E-2011 - Phosphorus 4500 NH3 C-2011 - Ammonia 2540 D-2011 - Total Suspended Solids 2540E-2011 - Volatile Suspended Solids Safe and Environmentally Responsible Waste Management (per sample)	05/16/2018	10.00	20.00	200.00
			10.00	18.75	187.50
			10.00	11.25	112.50
			10.00	7.50	75.00
			10.00	10.00	100.00
			10.00	1.50	15.00

Chg: 8 1/2 Mile

Date 5.29.18

Chief Deputy MB

Engineer(s) _____

Manager(s) UB

Coordinator(s) SD

Finance Officer hmv

PA 039446 74100

Project Number	Client Number	Project Manager	Subtotal (USD)	\$690.00
19000006	1407288	Sue Schafer		
Latest Sample Receipt Date	Latest Report Date	Phone Number	Total (USD)	\$690.00
05/16/2018	05/29/2018	(810) 229-2763		

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

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

Staff 6-5-18
 Beard 6-11-18

Income Statement
8.5 Mile Relief
As of May 31, 2018

	9-30-2017	10-1-17 to 4-30-18	May 2018	Total
	Total Fund	O&M	O&M	May 31 2018
Revenues		2,638,177	5,434	2,643,611
Expenditures		624,353	195,764	820,117
Equity**	3,105,754			4,929,248

NOTES

Reserves as of Sept 30, 2017	600,000
Required SRF repair & replacement reserve balance	1,308,558
<u>Total</u>	<u>1,908,558</u>

**** 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	1,308,558
Emergency Reserve	600,000