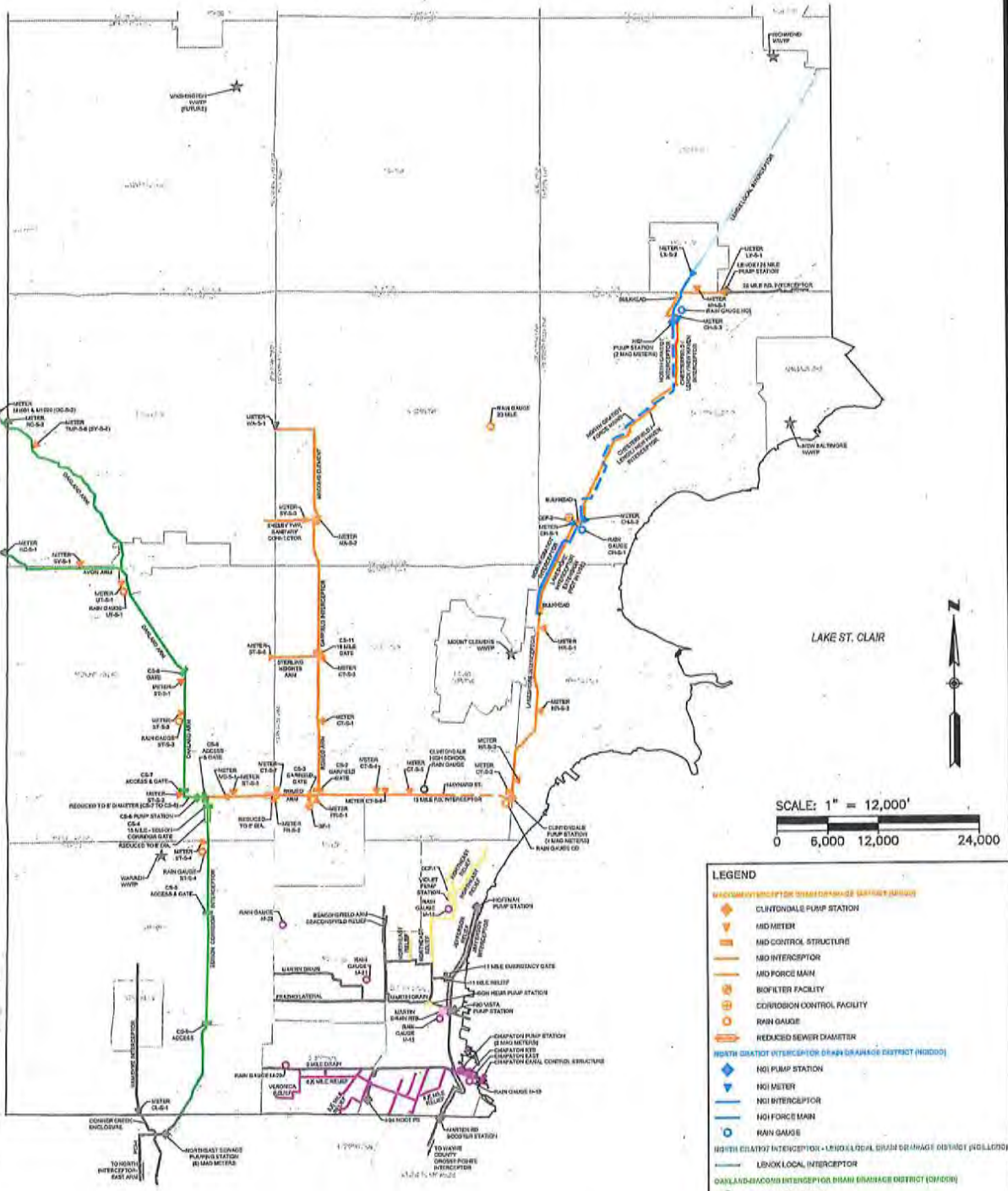


EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
MARCH 9, 2020
10:00 A.M.
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for March 9, 2020	
3. Approval of Minutes for February 10, 2020	3
4. Public Participation	
5. Chapaton RTB Pump & Screen Improvements Change Order No. 1 – High Water Flashboards – Stephen Downing	6
Motion: To authorize a Change Order increase to the Pump & Screen Project Contract with J.F. Cavanaugh for a not-to-exceed amount of \$40,000 for the addition of high water flashboards to the existing gates.	
6. Chapaton RTB Pump & Screen Improvements Change Order No. 2 – Stop Log Deletion – Stephen Downing	8
Motion: To authorize a Change Order reduction to the Pump & Screen Project Contract with J.F. Cavanaugh in the amount of \$136,200 by eliminating the stop log installation.	
7. SCADA Storage Area Network Replacement Project Recommendation - Stephen Downing	11
Motion: To approve the proposal from Access Interactive in a not-to-exceed amount of \$106,354 for replacement SCADA Storage Area Network hardware and installation (\$34,299 8.5 Mile share).	
8. Consideration for approval of invoices (see attached)	18
9. Financial Report – Bruce Manning	138
10. Adjourn	

MACOMB COUNTY WASTEWATER SYSTEMS



UPDATED: APRIL 2017

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 February 10, 2020, at 11:00 A.M.

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

ALSO PRESENT: Robert Mijac, Macomb County Board of Commissioners; Vince Astorino, Operations & Flow Manager, Brian Baker, Chief Deputy, Stephen Downing, Construction & Maintenance Manager, Bruce Manning, Financial Manager, Tom Stockel, Construction Engineer, Kellie Kource, Drain Account Specialist, Karen Czernel, Deputy, Dan Heaton, Communications Manager, Macomb County Public Works; Chris Dilbert, New Haven Supervisor; Jim Kelly, Meadowbrook Insurance

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

Adopted: YEAS: 3
NAYS: 0

Minutes of the meeting of January 13, 2020 were presented. A motion was made by Ms. Klinefelt, supported by Mr. Santo to approve the minutes as presented.

Adopted: YEAS: 3
NAYS: 0

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

Ms. Miller updated the Board that it does not appear EGLE is going to give us approval for the Chapaton Canal Expansion project. We are still giving them what they ask for, but they state that there are "waters of the state" at the location of our outfall and that it is too important to the citizens of Michigan to do this project due to the bottomlands. Vince has given them all the information they have requested, and will send our draft response to EGLE this week.

Mr. Astorino updated the board that we received 90% drawings and are on schedule with Wade Trim and have a meeting scheduled to go through the details. The pump and screen project has begun and will begin working in April or May. The disinfection replacement project design has begun and we plan to go to bid in April. Office improvement design is at 60% and will go out to bid in late March or April.

A motion was made by Ms. Klinefelt, supported by Mr. Santo to receive and file the project update by Mr. Astorino and Ms. Miller.

Adopted: YEAS: 3
NAYS: 0

Mr. Downing updated the Board that we have been working with Meadowbrook Insurance Agency regarding the Owner Controlled Insurance Program. It wraps multiple projects into one policy versus the conventional method of multiple contractors having their own insurance policies and where costs are passed onto the owner. That process can become complicated, so we are looking at an opportunity between Eight and One-Half Mile Relief Drain and Macomb Interceptor Drain to pull together a group of four projects in a wrap up policy. Worker's compensation is the only thing that we cannot include. The RFP will clearly state that no duplicating insurance is required with our contractors and our contract terms and conditions will be updated.

A motion was made by Mr. Santo, supported by Ms. Klinefelt to authorize the Board Chair to enter an agreement with Meadowbrook Insurance Agency to provide the described services for the Owner Controlled Insurance Program.

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$250,656.13 to the board for review and approval.

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

Adopted: YEAS: 3
NAYS: 0

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

Adopted: YEAS: 3
NAYS: 0

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

Adopted: YEAS: 3
NAYS: 0

The meeting was adjourned at 11:08 a.m.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

STATE OF MICHIGAN
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taking by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on February 10, 2020 the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1975, including, in the case of a special or rescheduled meeting or a meeting secured for more than 36 hours, notice by posting at least 18 hours prior to the time set for the meeting.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

DATED: 2/10/20



Candice S. Miller

Public Works Commissioner
Macomb County

To: 8 ½ Mile Relief Drain Drainage District Board Members

CC: File

From: Steve Rozycki, Engineer II

Date: March 9, 2020

Subject: Chapaton RTB Pump & Screen Improvements
Change Order No. 1 – High Water Flashboards

The purpose of this memorandum is to inform the 8-1/2 Mile Relief Drain Drainage District Board of Change Order No. 1 to the Pump & Screen Improvement contract at the Chapaton RTB.

The 8 ½ Mile Relief Drain contracted with J.F. Cavanaugh to perform the Pump & Screen improvements at the Chapaton RTB per the Board's approval on December 9th, 2019. The total initial contract value for this work is \$1,162,472.00. This project includes replacing the existing bar screen, furnishing a third intermediate pump for redundancy, and miscellaneous upgrades to the pump station wet well.

Change Order No. 1 is for a not-to-exceed amount of \$40,000 for the addition of flashboards to the existing lake gates. This project is to protect the facility from the projected high lake levels in Lake St. Clair for 2020. The existing lake gates serve two purposes; 1. to capture approximately 3 million gallons CSO volume prior to the permitted discharge, 2. to prevent lake water from filling this storage volume. As lake levels are projected to reach historic high levels this year, existing lake gates may be overtopped, causing lake level to fill the storage area in the canal, thus reducing the overall storage volume at the RTB by approximately 3 million gallons and potentially causing operations issues. This concern was also brought to light by EGLE in reference to all types of facilities in the state that may be impacted by the high lake levels.

This change order was executed on February 25, 2020. With the lake levels projected to rise in the early spring, it was imperative that this work begin immediately, to prevent the high lake levels from impacting the facility. Attached to this memorandum is a copy of the change order as well as design drawings for this work. The new contract value including this change order is \$1,202,472.00.

CHANGE ORDER NO. 1

Owner:	8 ½ Mile Relief Drain	Owner's Project No.:	WWS-2019-022
Engineer:	HRC	Engineer's Project No.:	
Contractor:	J.F. Cavanaugh	Contractor's Project No.:	
Project:	Chapaton Pump & Screen Improvements		
Contract Name:	-		
Date Issued:	2/25/2020	Effective Date of Change Order:	2/25/2020

The Contract is modified as follows upon execution of this Change Order:

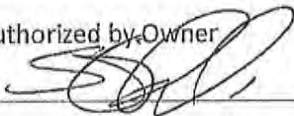

Description:

Provide the procurement and construction of the high lake level protection measures on the existing outfall gate structures as detailed in the attached drawing set produced by Applied Science, Inc.

Attachments:

Two Attachments - Flashboard Plan and Flashboard Details

Change in Contract Price	Change in Contract Times [State Contract Times as either a specific date or a number of days]
Original Contract Price: \$ <u>1,162,472.00</u>	Original Contract Times: Substantial Completion: <u>250 Days</u> Ready for final payment: <u>30 Days</u>
No Previous Change Orders: \$ <u>0</u>	No previous Change Orders: Substantial Completion: <u>No Change</u> Ready for final payment: <u>No Change</u>
Contract Price prior to this Change Order: \$ <u>1,162,472.00</u>	Contract Times prior to this Change Order: Substantial Completion: <u>250 Days</u> Ready for final payment: <u>30 Days</u>
Increase this Change Order: \$ <u>40,000.00</u>	No Change this Change Order: Substantial Completion: <u>No Change</u> Ready for final payment: <u>No Change</u>
Contract Price incorporating this Change Order: \$ <u>1,202,472.00</u>	Contract Times with all approved Change Orders: Substantial Completion: <u>250 Days</u> Ready for final payment: <u>30 Days</u>

Recommended by Engineer (if required)	Authorized by Owner
By: <u>Not Applicable</u>	Steven Rozycki 
Title: _____	Engineer II
Date: _____	2/25/2020
Authorized by Owner	Approved by Funding Agency (if applicable)
By: <u>Candice Miller</u> 	Not Applicable
Title: <u>Board Chair</u>	_____
Date: <u>2/25/2020</u>	_____



Candice S. Miller

Public Works Commissioner
Macomb County

To: 8 ½ Mile Relief Drain Drainage District Board Members

CC: File

From: Steve Rozycki, Engineer II

Date: March 9, 2020

Subject: Chapaton RTB Pump & Screen Improvements
Change Order No. 2 – Stop Log Deletion

The purpose of this memorandum is to inform the 8-1/2 Mile Relief Drain Drainage District Board of Change Order No. 2 to the Pump & Screen Improvement contract at the Chapaton RTB.

The 8 ½ Mile Relief contracted with J.F. Cavanaugh to perform the Pump & Screen improvements at the Chapaton RTB per the Board's approval on December 9th, 2019. The total initial contract value for this work is \$1,162,472.00. There was one previous change order that increased the contract value \$40,000.00 for a new total of \$1,202,472.00. This project includes replacing the existing bar screen, furnishing a third intermediate pump for redundancy, and miscellaneous upgrades to the pump station wet well.

Change Order No. 2 is a reduction in the contract by an amount of \$136,200 by removing the stop log installation from the design documents. The purpose of the stop logs was to isolate the influent chamber to the pump station for the duration of removing and replacing the bar screens. These stop logs would ensure protection of the pumps during construction. As noted in the J.F. Cavanaugh bid, an alternative work plan was proposed that would, by construction sequencing, eliminate the need to procure and install the stop logs. J.F. Cavanaugh proposed a method that would remove and replace sections of the bar screens within the typical working hours that would still ensure the protection of the pumps and replace the bar screens as defined in the construction documents.

This change order was executed on February 26, 2020. A copy of the change order is attached to this memorandum. The new contract value including this change order is \$1,066,272.00.



JFC-001R1

February 26, 2020

Hubbell, Roth and Clark, Inc.
535 Griswold Street
Suite 1650
Detroit, MI 48226

Attention: Mr. Aaron Uranga

Re: 8 ½ Mile Relief Drain Drainage District
Chapaton Pump Station Dry Weather Pump and Screen Improvements
Proposal to Eliminate the New Stop Logs


Mr. Uranga,

Attached is J.F. Cavanaugh Company's proposed plan to remove the existing bar screens and install the new bar screens without the need for the new stop logs. If the attached plan is accepted, as is, the credit value offered to the Owner is \$136,200 (Bid Item 5 and Bid Item 6).

Due to the project time restrictions and the procurement duration of new stop logs this proposal is valid for ten (10) days. If a letter of acceptance is not received by March 6, 2020, we will proceed with the procurement of the new stop logs.

Sincerely,

J. F. Cavanaugh Company



Gregory A. Baranski

Attachments: Proposed Screen Installation Plan (1p)
Trash Rack Elevation and Details (1p)



Candice S. Miller
Public Works Commissioner
Macomb County

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

CC: File

From: Vincent Astorino, Operations & Flow Manager

Date: March 2, 2020

Subject: SCADA Storage Area Network Replacement Project Recommendation

The Macomb County Public Works Office (MCPWO) maintains the Supervisory Control and Data Acquisition (SCADA) system for all of the wastewater districts and some of the stormwater facilities. This system provides real-time updates of what is happening in the field and provides operators the ability to remotely take control of an asset and control how it operates. As part of this system, MCPWO has been collecting life-cycle replacement funds to handle the replacement of critical components to the SCADA system when they are due.

The first project that MCPWO is bringing forward for replacement of SCADA components is the Storage Area Network (SAN). The SAN is responsible for reliably hosting and backing up all of the virtual servers within the SCADA system. In order to be reliable and meet performance requirements they must have a very powerful and redundant internal hardware setup. This equipment was chosen for its performance and scalability while remaining cost effective. The existing SAN hardware has reached the end of its useful life and is out of support and storage capacity. The upgrade will be performed one datacenter at a time which will allow the system to continue running uninterrupted during the process.

MCPWO would like to have the company Access Interactive perform this work as they are already under contract with MCPWO and were selected because they are highly skilled and already have an excellent working knowledge of the MCPWO SCADA system. Their cost for this implementation is only \$5,000 which is reasonable. The main cost to this upgrade is for equipment which is at \$101,354 and the equipment comes with 5-years of support from Dell. Access Interactive is a Dell government approved contractor and receives government rates for Dell products. They are also an approved contractor for this type of work for Clinton Twp. and Sterling Heights to name a couple.

During the 19-20 budget cycle MCPWO pulled forward the life-cycle funds to be used as expenditures for the 8.5 Mile Relief Drain Drainage District (8.5 Mile), Martin Sanitary Diversion Drainage District (MSDDD), and Southeast Macomb County Wastewater Disposal System (SEMCWDS). This was not done for the Macomb Interceptor Drain Drainage District (MIDDD) but the funds are ready in life-cycle reserves.

This cost is a shared cost between all districts as it is directly related to the main servers. The cost for this replacement will be broken down as follows:

Drainage District	Budgeted Life-Cycle Amount to Date	Replacement Cost Breakdown	Funds Remaining
MIDDD	\$227,400	\$45,732.22	\$181,667.78
8.5 Mile	\$138,050	\$34,299.17	\$103,750.83
OMIDDD	Direct Bill	\$14,889.56	N/A
MSDDD	\$17,415	\$6,859.83	\$10,555.17
SEMCWDS	\$11,610	\$4,573.22	\$7,036.78

MCPWO staff is recommending to move forward with this work to Access Interactive in the total NTE amount of \$106,354. Costs will be broken to each district as allocated as above.

Attachment: Access Interactive Quote dated 2-14-2020



Macomb County Public Works Office

**Storage Area Network (SAN)
Replacement Project**

Dell MHEC Contract: MHEC-07012015

Contract Code: 99AGZ / 77AGV

(Please refer to the above contract # on all Purchase Orders)

Prepared by:

access*i*nteractive

Bill Fedak
Randall Hudack

March 3rd, 2020

Solution Synopsis

The proposed application performance solution provides a scalable, secure, cost effective storage foundation for Macomb County Public Works.

These components are:

- Dell EMC SCv3020 SAN
- Dell EMC SC5020 SAN
- Deployment

Dell EMC SCv3020 SAN

Unprecedented advantage at this price point

Why should budget constraints limit your access to state-of-the-art storage technology? The new SCv3000 Series arrays pack more advanced capabilities in an entry-level hybrid solution than ever before, helping even the smallest companies compete effectively against larger, more expensive deployments.



SCv3000 starting cost is among the lowest in the industry – but don't let the price fool you! This array punches well above its weight, offering a unique combination of features designed to accelerate business outcomes for budget-conscious customers.

Great hybrid performance



"0-100% Flash" architecture powers over 270,000 max IOPS, >19,000 MB/sec bandwidth, and 1PB raw capacity per array* – more than enough headroom to handle multiple demanding workloads.



Self-optimizing architecture

Automate your cost savings to extract more value from fewer, less expensive drives. Multi-tier Data Progression, RAID tiering and Intelligent Compression actively reduce both initial and lifecycle costs.

Dell EMC SCv3020 Storage Array with 5-Year Support: \$34,726.00

120TB raw SAS HDD storage capacity (20 x 600GB)

Qty	Description
1	SCv3020 3Ux30 Drive Storage Array
1	SCv30X0 Dual Controller Components
1	SC, SFP+, 4-port, Mezz Card
1	SC, SFP+, 4-port, Mezz Card
1	IO, 12G SAS, 4port, PCI-E, Full height
1	IO, 12G SAS, 4port, PCI-E, Full height
1	SHIP,SCV3020,DAO
1	Dell SC Storage Reg Label
1	Storage Center Core Software Bundle, Base License
1	SSN License
1	Total Feature Bundle, Software License (Includes: All Optional Licenses in Module 1661)
1	Redundant Power Supply, 1378W, C20
1	Rack rail, 2Us, Static
1	SC Bezel
1	Dell Hardware Limited Warranty
1	ProSupport Plus Mission Critical: 4-Hour 7x24 Onsite Service with Emergency Dispatch,3 Years
1	ProSupport Plus Mission Critical: 4-Hour 7x24 Onsite Service with Emergency Dispatch,2 Years Extended
1	ProSupport Plus Mission Critical: 7x24 HW/SW Technical Support and Assistance,5 Years
1	Thank you for choosing Dell ProSupport Plus. For tech support, visit //www.dell.com/contactdell
1	Dell Limited Hardware Warranty Extended Year(s)
1	On-Site Installation Declined
1	ProSupport for Software: 7X24 Total Feature Bundle, 5 Years
1	US Order
8	Dell Networking, Transceiver, SFP+, 10GbE, SR, 850nm Wavelength, 300m Reach
20	SC, 600GB, SAS, 12Gb, 15K, 2.5", HDD
10	Hard Drive Filler 2.5in, single blank
2	Power Cord, 125V, 20A, NEMA 5-20 to C19, 10 feet

Dell EMC SCv5020 SAN

Crank up the performance, crank down the cost

SC5020 makes storage cost savings automatic with a modern architecture that optimizes your data center for economics while delivering transformational SSD, HDD or hybrid performance.

- Data Progression – Achieve IOPS goals with the least expensive mix of storage media, even as performance needs evolve
- Deduplication & Compression – Dramatically reduce the raw capacity required to store your data
- RAID tiering – Eliminate manual provisioning, increase efficiency and utilization
- Federation – Simplify multi-array environments with quick and seamless data movement, plus proactive load balancing assistance via Live Migrate and Volume Advisor
- ProSupport Services – Reduce deployment costs with remote installation options that ensure your project goes right the first time.
- Persistent software licensing – Future-proof your investment, minimize the cost of upgrades and expansions

Dell EMC SC5020 Storage Array with 5-Year Support: \$66,628.00

144TB raw SSD storage capacity (12 x 12TB)

Qty	Description
1	SC5020 3Ux30 Drive Storage Array
1	SC5020 Enclosure Assembly
1	Rack rail, 2Us, Static
1	SC, SFP+, 4-port, Mezz Card, Qty 2
1	Redundant Power Supply, 1378W, C20
1	SHIP,SC5020,DAO
1	Dell SC Storage Reg Label
1	SC Bezel
1	I/O,12GSAS,4P,PCI,Full height, QTY 2
1	SSN License
1	Storage Center Core Software Bundle, Base License
1	Total Feature Bundle, Software Lic
1	ProSupport for Software: 7X24 Total Feature Bundle, 5 Years
1	US Order

1	Dell Hardware Limited Warranty
1	ProSupport Plus: Mission Critical 4-Hour 7x24 Onsite Service with Emergency Dispatch, 2 Years Extended
1	ProSupport Plus: Mission Critical 4-Hour 7x24 Onsite Service with Emergency Dispatch, 3 Years
1	ProSupport Plus: Mission Critical 7x24 HW / SW Tech Support and Assistance, 5 Years
1	Dell Limited Hardware Warranty Extended Year(s)
1	On-Site Installation Declined
1	Thank you for choosing Dell
8	Dell Networking, Transceiver, SFP+, 10GbE, SR, 850nm Wavelength, 300m Reach
1	Power Cord, 125V, 20A, NEMA 5-20 to C19, 10 feet
1	Power Cord, 125V, 20A, NEMA 5-20 to C19, 10 feet
12	Storage Center Drive Certificate
12	SC, 960GB, SAS, 12Gb, RI SSD, 2.5" HD
18	Hard Drive Filler 2.5in, single blank

Pricing Summary

Qty	Item	Unit Price	Extended
1	Dell EMC SCv3020 Storage Array with 5-Year Support <i>Dell MHEC Contract: MHEC-07012015</i> <i>Contract Code: 99AGZ / 77AGV</i>	\$34,726.00	\$34,726.00
1	Dell EMC SC5020 Storage Array with 5-Year Support <i>Dell MHEC Contract: MHEC-07012015</i> <i>Contract Code: 99AGZ / 77AGV</i>	\$66,628.00	\$66,628.00
1	Professional Services: Installation, Deployment and Configuration	\$5,000.00	\$5,000.00

TOTAL: \$106,354.00

Quote Valid for 30-Days. Prices Subject to Change with Notice Depending on Current Market Conditions. Shipping charges not included. Terms: Net 30. 25% Restocking Fee Applied to Project Costs for Returned Merchandise. UPS not included.

Authorized Signature: _____ Date: _____

Printed Name: _____ Purchase Order No: _____

EIGHT AND ONE HALF MILE RELIEF DRAIN 2/11/20 - 2/25/20

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% St. Clair Shores - 25.13%	Astorino	Access Interactive LLC	\$ 965.16	Invoice #INV000101693 - 2.14.20	SCADA Maintenance	\$ 26,426.25
		Manning	Bank of New York Mellon, N.A.	\$ 65,278.63	Invoice #20-073 - 2.4.20	Various SRF Debt	
		Astorino	Cintas Fire	\$ 1,760.41	Invoice #OD26579156 - 1.21.20	Annual Fire Extinguisher Inspections/Repair	
		Astorino	Consumers Energy	\$ 625.73	Invoice #204832803803 - 2.7.20	Monthly Electric - 1.10.20 - 2.6.20	
		Manning	County of Macomb	\$ 332,635.01	Invoice #AR200156 - 2.7.20	4th Quarter Personnel/Operating Expenses	
		Astorino	Cummins Bridgeway	\$ 937.02	Invoice #S6-40079 - 2.12.20	Preventative Maintenance - Generator	
		Astorino	Cummins Bridgeway	\$ 714.82	Invoice #S6-40080 - 2.12.20	Generator Load Bank Test	
		Astorino	De-Cal, Inc.	\$ 2,359.00	Invoice #WO9192425 - 1.10.20	Replaced Hot Water Tank	
		Astorino	De-Cal, Inc.	\$ 2,035.71	Invoice #WO9192338 - 1.21.20	Stilling Well	
		Astorino	DTE Energy	\$ 13,224.02	Invoice #20-086 - 2.9.20	Monthly Electric - 1.9.20 - 2.9.20	
		Astorino	DTN, LLC	\$ 569.81	Invoice #5688713 - 1.24.20	Storm Sentry	
		Baker	Fahey Schultz Burzycki Rhodes	\$ 718.50	Invoice #51320 - 2.6.20	Legal - Petition Process	
		Astorino	Fire Equipment Company, Inc	\$ 540.00	Invoice #114839 - 1.10.20	Annual Fire Alarm System Inspection	
		Astorino	Fishbeck	\$ 2,114.75	Invoice #389450 - 2.3.20	As-Needed Services through 1.24.20	\$ 123,178.33
		Astorino	Fishbeck	\$ 10,177.05	Invoice #389347 - 2.3.20	Chapaton Building Renovation through 1.24.20	\$ 5,379.32
		Downing	KHVPF, PLC	\$ 3,735.00	Invoice #43870 - 2.10.20	Wade Trim/Jacobs Contract	
		Baker	KHVPF, PLC	\$ 2,272.50	Invoice #43858 - 2.10.20	EGLE Permit	
		Astorino	MEI Construction LLC	\$ 25,150.00	Invoice #20-056 - 1.31.20	Replace Broken Fencing - Gate Actuators	
		Baker	Miller, Camfield, Paddock & Stone	\$ 4,905.00	Invoice #1470083 - 2.11.20	EGLE Permit	
		Astorino	Motion & Control Enterprises, LLC	\$ 545.45	Invoice #Y25279-001 - 1.20.20	Hydraulic Gates Troubleshooting	\$ 1,765.32
		Astorino	Pneumatic Technology, Inc.	\$ 1,765.32	Invoice #1075325 - 2.5.20	Hydraulic Lines	\$ 216,446.74
		Astorino	Tetra Tech, Inc.	\$ 25,087.35	Invoice #51548755 - 1.31.20	In-System Storage Devices	\$ 104,375.00
		Astorino	Wade Trim	\$ 3,405.00	Invoice #2017088 - 1.31.20	Disinfection Improvements	\$ 427,295.56
Astorino	Wade Trim	\$ 96,050.13	Invoice #2017103 - 1.31.20	Canal Expansion Project			
Astorino	Watson Marlow Inc.	\$ 627.82	Invoice #S1118920 - 1.23.20	Pump Element and Grease			
Astorino	Wengartz	\$ 9,643.55	Invoice #10533557-00 - 1.27.20	Kubota Machine			
Total				\$ 607,842.74			



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/14/20
4. SET ID VP200218MA		
5. POST DATE		





PARENT RECORD INFORMATION			
5. VENDOR NAME (Check to be issued to) Access Interactive LLC	7. VENDOR NUMBER V00035	8. ADDR CODE 01	9. Involes No (MAX = 16 CHARACTERS) INV000101693
			10. Invoice Date 2/14/2020
			11. Invoice Amount 2,573.75

CHILD RECORD DETAIL INFORMATION										
General Ledger		Job Ledger		OPTIONAL						
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
A	8210166M	80146	80146	WO20001	MIDDD	SCADA Svcs 2/10-2/13	\$ 1,106.72	GEN		
B	8210017M	80146	80146	WO20001	8 1/2 Mile Relief	SCADA Svcs 2/10-2/13	\$ 965.16	GEN		0
C	8210072M	80146	80146	WO20001	Martin	SCADA Svcs 2/10-2/13	\$ 193.03	GEN		0
D	8713018M	80146	80146	WO20001	SEMCWWDS (BH)	SCADA Svcs 2/10-2/13	\$ 64.34	GEN		0
E	8713018M	80146	80146	WO20001	SEMCWWDS (V)	SCADA Svcs 2/10-2/13	\$ 64.34	GEN		0
F	8210166M	80146	80146	WO20001	MIDDD (OMID)	SCADA Svcs 2/10-2/13	\$ 180.16	GEN		0
G										

23. Total: \$ **2,573.75**

REV 08/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
SCADA Maintenance

25. Finance Officer: 	30. Drain: Multiple	
26. Chief Deputy: 	31. Project Balance: \$26,426.25	
27. Engineers:	32. Staff Date: 2/25/2020	
28. Managers: 	33. Board Date: 3/9/2020	
29. Coordinator: 	34. Select For Pay Date:	

V00035 (01)

MACOMB COUNTY PUBLIC WORKS OFFICE ENGINEERING INVOICE COVER SHEET	
WORK ORDER NUMBER	WO20001
PROJECT NUMBER	WWS-2020-004
PROJECT NAME	SCADA Maintenance
DRAINAGE DISTRICT	MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT, EIGHT AND ONE-HALF MILE DRAINAGE DISTRICT, MARTIN SANITARY DIVERSION DRAINAGE DISTRICT, MACOMB COUNTY
CONSULTANT NAME	BILL FEDAK (DESIGNATED REPRESENTATIVE)
INVOICE DATE	2/14/20
INVOICE START DATE	2/14/20
INVOICE END DATE	
ORIGINAL CONTRACT AMOUNT	\$ 29,000.00
CHANGE ORDER TOTAL	\$ -
Change Order No. 1	
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 29,000.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ -
TOTAL AMOUNT DUE THIS INVOICE	\$ 2,573.75
TOTAL BUDGET REMAINING	\$ 26,426.25
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	

Access Interactive, LLC.
 46635 Magellan Drive
 Novi MI 48377

Invoice	INV000101693
Date	2/14/2020
Page	1

Phone (248) 567-3000

Bill To:

Macomb County Public Works Office (MCPWO)
 Attn: Accounts Payable
 21777 Dunham Road
 Clinton Township MI 48036

Ship To:

Macomb County Public Works Office (MCPWO)
 Brent Welsler, SCADA System Mgr
 21777 Dunham Road
 Clinton Township MI 48036

Purchase Order No.	Customer ID	Salesperson ID	Shipping Method	Payment Terms	Req Ship Date	Master No.
WO20001	MACOMBDPW4257	1004		Net 30	2/15/2020	107,667
Ordered	Shipped	B/O	Item Number	Description	Unit Price	Ext. Price
17.75	17.75	0.00	LBR-HOUR-RHLABOR	Per Hour Labor by Randall Hudack 02/10/2020 - 02/13/2020	\$145.00	\$2,573.75

Subtotal	\$2,573.75
Misc	\$0.00
Tax	\$0.00
Freight	\$0.00
Trade Discount	\$0.00
Total	\$2,573.75

Signature _____

Date _____

Thank you for your order!

If you have any questions regarding your invoice,
 please call (248)567-3000.

Access Interactive, LLC.
 46635 Magellan Drive | Novi, MI 48377
 Phone: 248-567-3000 | Fax: 248-567-3050
<http://www.access-interactive.com>

SERVICE REPORT FORM

Timestamp	Email Address	Date	Company Name	Contact	Case Number	Onsite Time	Office Time/Off-Site Time	Drive Time	Details	Case Status	Internal Comments	Sales Rep	Rate	OK to Bill? Y/N
2/11/2020 22:54	rhudack@access-interactive.com	2/10/2020	Macomb DPW	Brent Wesler		2:15:00	1:00:00	1:30:00	Got an overlay of the land. Created credentials for VPN and Domain rights, created Shared drive with Document sharing with Brent. inventoried VMWare, Storage, and network hardware. Tested connectivity and credentials. Made recommendation to upgrade to vcsa 6.7 and migrate the hosts	Complete				
2/11/2020 22:48	rhudack@access-interactive.com	2/11/2020	Macomb DPW	Joe Betz		0:30:00		0:30:00	Met Joe to take a look at the ClintonDale pump station and datacenter. Created datacenters and clusters in vCenter. Joined host to vCenter. Re-configured Veeam jobs to point to new vCenter. Will monitor later.	Complete				
2/12/2020 20:39	rhudack@access-interactive.com	2/12/2020	Macomb DPW	Brent Wesler			6:00:00		Upgraded all for ESXI host to ESXI 6.7U3. Migrated VMs to one host, put other in maintenance mode. Once in maintenance mode, used update manager to push update to first host. Repeated process for remaining host. Checked Veeam after configuration change. It appears that the administrator account password was changed or expired. I informed Brent of the issue via email.	On-Going				
2/13/2020 14:58	rhudack@access-interactive.com	2/13/2020	Macomb DPW	Brent Wesler			6:00:00			On-Going				



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/10/20
4. SET ID VP 2002-11MB		
5. POST DATE		

PARENT RECORD INFORMATION	
6. VENDOR NAME (Check to be issued to) Bank of New York Mellon, N.A.	7. VENDOR NUMBER V44695
8. ADDR CODE 03	9. Invoice No. (MAX = 16 CHARACTERS) 20-073
10. Invoice Date 2/4/2020	11. Invoice Amount \$ 65,278.63

CHILD RECORD DETAIL INFORMATION										
Line	General Ledger	Job Ledger		16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
		14. Cost Center (CCNT)	15. Object							
A	8210017D	CC0005	99500	WO18359	8 1/2 Mile Relief	5306-01/Final - 3/25/20	\$ 28,187.50	GEN		
B	8210017D	CC0006	99500	WO18366	8 1/2 Mile Relief	5393-01/Final - 3/25/20	\$ 9,482.24	GEN		0
C	8210017D	CC0007	99500	WO18361	8 1/2 Mile Relief	5460-01/Final - 3/25/20	\$ 3,504.31	GEN		0
D	8210017D	CC0007	99400	WO18361	8 1/2 Mile Relief	5460-01/Final - 3/25/20	\$ 20,000.00	GEN		0
E	8210017D	CC0005	99500	WO18163	8 1/2 Mile Relief	5579-01/Final - 3/25/20	\$ 4,104.58	GEN		0
F										
G										

23. Total: \$ **65,278.63**

REV 06/2016

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	30. Drain: 8 1/2 Mile Relief
26. Chief Deputy:	31. Project Balance: N/A
27. Engineers:	32. Staff Date: 2/25/2020
28. Managers:	33. Board Date: 3/9/2020
29. Coordinator:	34. Select For Pay Date:

20-073

**Michigan Finance Authority
State Revolving Fund**

02/04/2020

Mr. Bruce Manning
8 1/2 Mile Relief Drain Drainage District
21777 Dunham Road
Clinton Township, MI 48036

Below are the details regarding the State Revolving Fund semiannual payment due **March 25, 2020** per the signed Purchase Contract(s) with the Michigan Finance Authority.

Project Number	Principal	Interest	Total
5306-01	\$0.00	\$28,187.50	\$28,187.50
5393-01	\$0.00	\$9,482.24	\$9,482.24
5460-01	\$20,000.00	\$3,504.31	\$23,504.31
5579-01	\$0.00	\$4,104.58	\$4,104.58
	\$20,000.00	\$45,278.63	

Total Amount Due: \$65,278.63

If you have any questions, please contact Nichole Dorr at (517) 335-0525. If you have any changes to the contact/billing information, please email those changes to dorn@michigan.gov.

The above payments can be made to the Michigan Finance Authority using the following payment methods:

Payment via Federal Wire Transfer for All Loan Types:	Payment via ACH Transfer for ALL Loan Types:	Payment by Check for ALL Loan Types:
<p>Wire Transfers MUST be initiated by 10:00 am on 03/25/2020 and sent to:</p> <p>The Bank of New York Mellon, N.A.</p> <p>ABA: 021-000-018 A/C: 3919348400 Reference: 5708-MFA</p> <p>Please note, the reference number must be included on the wire transfer to receive proper credit</p>	<p>To allow for processing time, ACH transfers MUST be initiated by 03/23/2020 and sent to:</p> <p>The Bank of New York Mellon, N.A.</p> <p>ABA: 021-000-018 A/C: 8900626003 Reference: 5708-MFA</p> <p>Please note, the reference number must be included on the ACH transfer to receive proper credit.</p>	<p>To allow for processing time, checks must be RECEIVED by 03/18/2020.</p> <p>The Bank of New York Mellon, N.A. Attn: Pooled Finance Unit- Matt Kuper 10161 Centurion Parkway N. Jacksonville, FL 32256</p> <p>Please note, the invoice should be included with the check and the reference number, 5708, must be listed in the memo section of the check to received proper credit.</p>



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/3/20
4. SET ID VP200122MA		
5. POST DATE		

6. VENDOR NAME (Check to be issued to) Cintas Fire 636525	7. VENDOR NUMBER V00904	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 0D26579156	10. Invoice Date 1/21/2020	11. Invoice Amount 2,643.21
---	-----------------------------------	---------------------------	--	--------------------------------------	---------------------------------------

General Ledger		Job Ledger		OPTIONAL		18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)					
8210017M	93001	CC0004	93001	WO18006	8 1/2 Mile Relief	Acct #00440, 1/21/20	\$ 1,760.41	GEN		0
8210072M	93001				Martin	Acct #00440, 1/21/20	\$ 637.00	GEN		0
8713018M	93001			WO18218	SEMCWWDS (BH)	Acct #00440, 1/21/20	\$ 201.06	GEN		0
8713018M	93001			WO18219	SEMCWWDS (V)	Acct #00440, 1/21/20	\$ 36.16	GEN		0
8312006M	93001				Clinton River Spillway	Acct #00440, 1/21/20	\$ 8.58	GEN		0
23. Total: \$							2,643.21			

REV 09/2018

4. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Annual inspections of fire extinguishers

25. Finance Officer: <u>HAM</u>	30. Drain: <u>Multiple</u>
26. Chief Deputy: <u>AS</u>	31. Project Balance: <u>N/A</u>
27. Engineers:	32. Staff Date: <u>2/11/2020</u>
28. Managers: <u>US</u>	33. Board Date: <u>3/9/2020</u>
29. Coordinator: <u>PK</u>	34. Select For Pay Date:



*** INVOICE CUSTOMER COPY ***

Location : CINTAS FIRE PROTECTION

Invoice # : 0D26579156 Inv Date : 1/21/2020
Customer : 440 Loc : D26
Type : CHG-S Route : 01
PO Number : Acct # : 00440
WO Number : Acct Zip : 48080
Service Visit : 6376001

Remit to:
CINTAS FIRE 636525
P.O. BOX 636525
CINCINNATI, OH 452636525
(248)817-3800

Bill to:
MACOMB COUNTY / CHAPATON
23001 E 9 MILE RD
MACOMB COUNTY PUBLIC WORK
SAINT CLAIR SHORES, MI 48080

Serviced:
MACOMB COUNTY / CHAPATON
23001 E 9 MILE RD
MACOMB COUNTY PUBLIC WORK
SAINT CLAIR SHORES, MI 48080

Table with 5 columns: Item, Qty, Description, Unit Price, Net Amount Tx. Rows include EXL2RK, CO210, CO215, CO25, CONT, EEOR, EESEAL, EEVSC, HSTCO2, IN, INEL.

THE GOODS AND/OR SERVICES PROVIDED BY CINTAS HAVE BEEN OR WILL BE PROVIDED EXPLICITLY SUBJECT TO CINTAS'S FIRE PROTECTION SERVICES GENERAL TERMS AND CONDITIONS ("THE TERMS"), A COMPLETE COPY OF WHICH HAS BEEN PROVIDED TO YOU, AND ADDITIONAL COPIES OF WHICH ARE AVAILABLE FROM YOUR CINTAS REPRESENTATIVE OR ONLINE AT CINTAS.COM/FIRECONTRACT.



*** INVOICE CUSTOMER COPY ***

Location : CINTAS FIRE PROTECTION

Invoice # : 0D26579156 Inv Date : 1/21/2020
Customer : 440 Loc : D26
Type : CHG-S Route : 01
PO Number : Acct # : 00440
WO Number : Acct Zip : 48080
Service Visit : 6376001

Remit to:
CINTAS FIRE 636525
P.O. BOX 636525
CINCINNATI, OH 452636525
(248)817-3800

Bill to:
MACOMB COUNTY / CHAPATON
23001 E 9 MILE RD
MACOMB COUNTY PUBLIC WORK
SAINT CLAIR SHORES, MI 48080

Serviced:
MACOMB COUNTY / CHAPATON
23001 E 9 MILE RD
MACOMB COUNTY PUBLIC WORK
SAINT CLAIR SHORES, MI 48080

Table with 5 columns: Item, Qty, Description, Unit Price, Net Amount Tx. Rows include INEXA (4), DEFELR (4), SC (1), and summary rows for SUB-TOTAL, TAX, and TOTAL.

PLEASE REMIT PAYMENT FROM THIS INVOICE. WE ACCEPT CREDIT CARDS AND CHECK BY PHONE, IF YOU HAVE A QUESTION REGARDING BILLING PLEASE CONTACT 248-817-3800, IF YOU WOULD LIKE TO MAKE A PAYMENT PLEASE CONTACT KRISTINE AT 570-891-0419.

THE GOODS AND/OR SERVICES PROVIDED BY CINTAS HAVE BEEN OR WILL BE PROVIDED EXPLICITLY SUBJECT TO CINTAS'S FIRE PROTECTION SERVICES GENERAL TERMS AND CONDITIONS ("THE TERMS"), A COMPLETE COPY OF WHICH HAS BEEN PROVIDED TO YOU, AND ADDITIONAL COPIES OF WHICH ARE AVAILABLE FROM YOUR CINTAS REPRESENTATIVE OR ONLINE AT CINTAS.COM/FIRECONTRACT.



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/14/20
4. SET ID VP200218MUA		
5. POST DATE		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) CONSUMERS ENERGY	7. VENDOR NUMBER V01038	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 204832803803
			10. Invoice Date 2/7/2020
			11. Invoice Amount 625.73

CHILD RECORD DETAIL INFORMATION												
General Ledger	12. Org Key	13. Object	14. Job Ledger Cost Center (CCNT)	15. Object	16. Work Order Number	OPTIONAL		18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
						17. Secondary Reference (MAX = 16 CHARACTERS)						
A	8210017M	92102	CC0004	92102	WO18006	8 1/2 MILE RELIEF		AC# 1000 0754 2523, 1/10-2/6	\$ 625.73	GEN		
B												
C												
D												
E												
F												
G												

23. Total: \$ **625.73**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:		30. Drain: 8 1/2 MILE RELIEF
26. Chief Deputy:		31. Project Balance: N/A
27. Engineers:		32. Staff Date: 2/25/2020
28. Managers:		33. Board Date: 3/9/2020
29. Coordinator:		34. Select For Pay Date:



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

Amount Due: **\$625.73**
Please pay by: **March 04, 2020**

▶ **Thank You** - We received your last payment of **\$591.71** on **January 27, 2020**

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

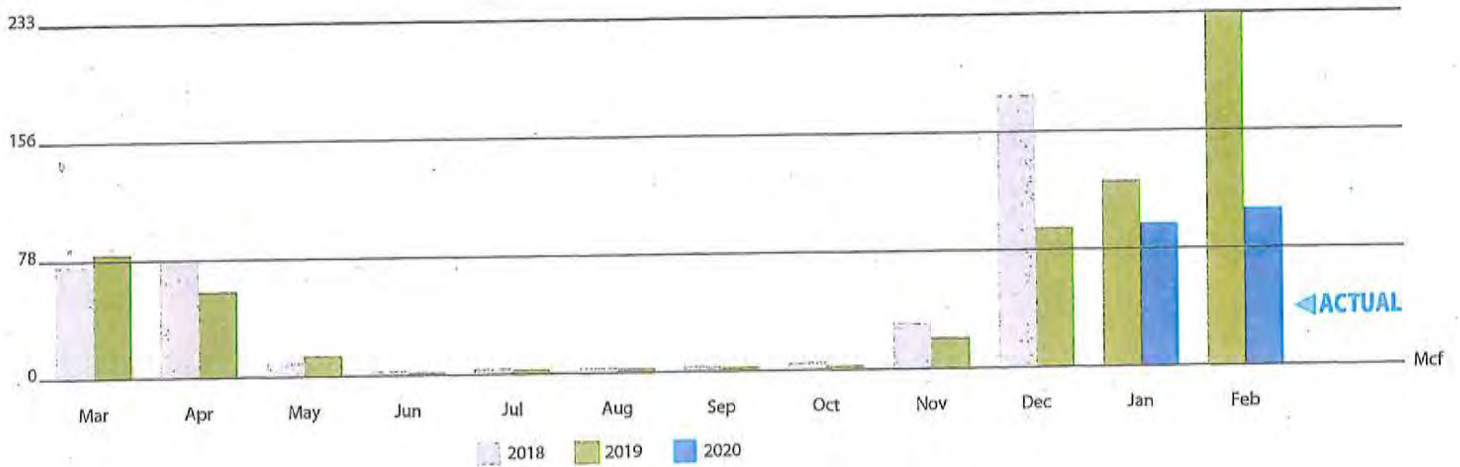
**ATTN PUBLIC WORKS
MACOMB COUNTY
21777 DUNHAM RD
CLINTON TOWNSHIP MI 48036-1005**



February Energy Bill

Service dates: **January 10, 2020 - February 06, 2020 (28 days)**

Total Natural Gas Use (Mcf - thousand cubic feet)



February Natural Gas Use
103.7 Mcf

Cost per day:
\$22.35

Mcf per day:
3.704

Prior 12 months of gas use:
475 Mcf

For more information, visit ConsumersEnergy.com/waysstopay

In person
Cash, check, card
or money order
Varies by authorized
payment location
Fee may apply



By mail
Check, money order
Consumers Energy
Payment Center
P.O. Box 740309
Cincinnati, OH 45274-0309



Same-day payment
866-329-9593
Discover® MasterCard®
or Visa® or eCheck



Same-day payment
ConsumersEnergy.com
Discover® MasterCard®
or Visa® or eCheck



Lockbox
via ACH
Secure electronic
payment with
emailed remittance



Auto-pay
Checking or savings
Discover® MasterCard®
or Visa®
(Eligibility varies)



Ways to pay your energy bill:



Need to talk to us? Visit ConsumersEnergy.com
or call 800-805-0490
Hearing/speech impaired: Call 7-1-1

Service Address:
23301 E 9 MILE RD; SAINT CLAIR SHORES
MI 48080-0000
Account: 1000 0754 2523

Account Information

Bill Month: February
Service dates: 01/10/2020 - 02/06/2020
Days Billed: 28
Portion: 12 02/20

Rate Information

Gas Gen Serv Rate GS-2 - Com
Rate: 262

Meter Information

Your next scheduled meter read
date is on or around 03/11/2020

Gas Service:

AMR Meter
Meter Number: 98117224
POD Number: 0000000435095
Beginning Read Date: 01-10
Ending Read Date: 02-06
Beginning Read: 6605
Ending Read: 7642 (Actual)
Differential: 1037
Constant: 0.1
Correction factor: 1.00000
Usage: 103.7 Mcf

Total Metered Energy Use: 103.7 Mcf

February Energy Bill

Invoice: 204832803803

Account Summary

Last Month's Account Balance	\$591.71
Payment on January 27, 2020	\$591.71-
Balance Forward	\$0.00

Payments applied after Feb 11, 2020 are not included.

Natural Gas Charges

Customer Charge		\$81.86
Gas Distribution	103.7@ 2.449100	\$253.97
Energy Efficiency	103.7@ 0.306700	\$31.80
Gas Cost Recovery	103.7@ 2.488900	\$258.10
Total Natural Gas		\$625.73

Total Energy Charges \$625.73

Amount Due: \$625.73
by March 04, 2020

If you pay after the due date, a 2% late payment charge
will be added to your next bill.

Please make any inquiry or complaint about this bill before the due date listed on the front.
Visit ConsumersEnergy.com/aboutmybill for details about the above charges.

NEWS AND INFORMATION

Compare natural gas prices among Consumers Energy and other gas providers at www.Michigan.gov/CompareMIGas.

ALERT - Beware of phone and email scams regarding utility payments: Consumers Energy never demands payment using only a prepaid card. Many options at

www.ConsumersEnergy.com/waystopay.

Understanding Your Gas Bill: Gas cost recovery covers the cost of the natural gas per thousand cubic feet (Mcf). This charge may change each month to reflect changes in the market price of gas. Consumers Energy does not make a profit on the natural gas, so we charge customers only what

we pay for the gas. More at www.ConsumersEnergy.com/ratesblz.

Questions about your bill? Get an explanation of charges and learn more at www.ConsumersEnergy.com/business.



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST PUBLIC WORKS DIVISION

PREPARED BY	PHONE NUMBER	DATE
Houvenner	95966	2/18/2020
SET ID	POST DATE	
VP2002-20MA		

PARENT RECORD INFORMATION			
VENDOR NAME	VENDOR NUMBER	INVOICE NUMBER	INVOICE DATE
County of Macomb	V01085	AR200156	2/7/2020
ADDR CODE	26		
			INVOICE AMOUNT
			\$ 868,159.98

CHILD RECORD DETAIL INFORMATION									
GENERAL LEDGER			JOB LEDGER		DESCRIPTION	AMOUNT	DIV	MISC	SEPK
ORG KEY	OBJECT	COST CENTER	OBJECT	WORK ORDER NUMBER					
8210166M	72100	CC0018	72100		4th Qtr Personnel/Operating	\$ 423,875.90	IPWK		
8210166M	99101	CC0018	99101		4th Qtr Personnel/Operating	\$ 5,403.18	IPWK		
8210017M	72100	CC0004	72100	WO18006	8 1/2 Mile Relief	\$ 224,658.29	IPWK		
8210017M	99101	CC0004	99101	WO18006	8 1/2 Mile Relief	\$ 107,976.72	IPWK		
8713018M	72100				SEMCMWDS	\$ 28,101.45	IPWK		
8713018M	99101				SEMCMWDS	\$ 14,396.90	IPWK		
8210072M	72100				Martin	\$ 42,152.19	IPWK		
8210072M	99101				Martin	\$ 21,595.35	IPWK		

TOTAL: \$ 868,159.98

COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
4th Quarter 2019 Personnel/Operating

Finance Manager:	<i>[Signature]</i>	Drain:	Multiple
Chief Engineer:	<i>[Signature]</i>	Project Balance:	N/A
Engineer(s):		Staff Date:	2/25/2020
Manager(s):		Board Date:	3/9/2020
Coordinator:		Select for Pay Date:	



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

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

See Reverse Side For Easy Opening Instructions

Email Address:

Invoice Date
 02/07/2020

Invoice
 AR200156

REF DATE	DESCRIPTION	AMOUNT
02/07/2020	4TH QTR 19 CHAPOTON-PERSONNEL	231,263.09
02/07/2020	4TH QTR 19 CHAPOTON-OPERATING	143,968.97
02/07/2020	4TH QTR 19 WASTE WTR-PERSONNEL	487,524.74
02/07/2020	4TH QTR 19 WASTE WTR-OPERATING	5,403.18
	Charges	868,159.98
	Amount Due	868,159.98

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

Finance Department Contact Number:
 (586) 469-5251

Tax ID # / EIN Number:
 38-6004868

Payment Terms:
 Due Upon Receipt

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

Customer Number: DPWK BA

Invoice Number: AR200156

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

Invoice Date: 02/07/2020

Amount Due: \$868,159.98

4th Quarter Personnel and Operating Costs

	Chapaton Personnel	Chapaton Operating	WW Personnel	WW Operating	3018	0072	Total
Invoice Totals	231,263.09	143,968.97	\$487,524.74	\$5,403.18			\$868,159.98
Due from 8.5 Mile	47,736.63		(47,736.63)			\$9,547.33	
Due from Martin			(9,547.33)		\$6,364.88		
Due from SECVVDS			(6,364.88)		\$14,396.90		
Due from SECVVDS		(14,396.90)				\$21,595.35	
Due from Martin		(21,595.35)			\$21,631.37	\$32,447.95	
Due from Martin	(32,447.95)					\$156.91	
Due from SECVVDS	(21,631.97)						
Due from Martin	(\$156.91)						
Due from SECVVDS	(\$104.60)				\$104.60		
Totals	\$224,658.29	\$107,976.72	\$423,875.90	\$5,403.18	\$42,498.35	\$63,747.54	\$868,159.98

	Personnel	Internal Srv.
0166	72100	99101
0017	\$423,875.90	\$5,403.18
3018	\$224,658.29	\$107,976.72
0072	\$28,101.45	\$14,396.90
	\$42,152.19	\$21,595.35
total	\$718,787.83	\$149,372.15

MARTIN SANITARY DIVERSION , SEMCWWDS AND
8.5 MILE RELIEF PERSONNEL REIMBURSEMENT
10/1/19 - 12/31/19

10144150 DESCRIPTION	AMOUNT	SEMCWWDS 5%	Martin 7.50%	8.5 MILE 37.50%
70200 Base Pay	\$68,149.51			
70203 Part Time	\$8,644.96			
70211 Overtime	\$18,276.22			
70226 Lump Sum	\$2,089.62			
70298 Other	\$0.00			
Total Salary	<u>\$97,160.31</u>	<u>\$4,858.02</u>	<u>\$7,287.02</u>	<u>\$36,435.12</u>
71510 FICA - OASDI	\$11,361.10			
71515 FICA - Medicare	\$1,563.22			
71520 Hospitalization Ins.	\$9,978.75			
71521 Dental Ins.	\$599.94			
71529 Retiree Medical	\$0.00			
71530 Life Ins. - Base	\$15.66			
71540 Pension	\$0.00			
71542 Pension Defined Contrib.	\$4,188.97			
71560 Worker's Comp	\$206.56			
71580 Long-term Disability	\$98.71			
71590 Compensated Absences	\$2,124.47			
Total Fringe	<u>\$30,137.38</u>	<u>\$1,506.87</u>	<u>\$2,260.30</u>	<u>\$11,301.52</u>
Grand Total	<u>\$127,297.69</u>	<u>\$6,364.88</u>	<u>\$9,547.33</u>	<u>\$47,736.63</u>

V. Astorino
S. Rozycki
J. Betz
B. Welser

Calculations regarding percentage Martin, SEMCWWDS AND 8.5 Mile Relief owe MIDD for Salary and Fringe formerly charged to MIDD.

10144150	70200	70203	70208	70211	70226	70298	71510	71515	71520	71521	71529	71530	71540	71542	71560	71580	71590 total
Object	\$21,074.24			\$4,125.28			\$1,917.07	\$448.36	\$3,326.25	\$199.98		\$5.22			\$63.01		\$31,791.63
Finance	\$19,030.74			\$11,303.14			\$1,880.70	\$439.85	\$3,326.25	\$199.98		\$5.22		\$1,741.86	\$75.84	\$31.35	\$38,605.83
Steve R.		\$7,152.32			\$250.00		\$458.95	\$107.34							\$18.52		\$7,987.13
Joe B.				\$611.40	\$794.81		\$1,423.83	\$333.00	\$3,326.25	\$199.98		\$5.22		\$1,696.32	\$49.19	\$40.60	\$27,300.26
Trent W.																	\$0.00
																	\$0.00
																	\$0.00
																	\$0.00
accrual	\$9,772.97	\$1,492.64		\$2,236.40	\$1,044.81		\$5,680.55	\$234.67						\$750.79		\$26.76	\$21,612.84
																	\$0.00
																	\$0.00
																	\$0.00
																	\$0.00
																	\$0.00
																	\$0.00
																	\$0.00
Total	\$68,149.51	\$8,644.96	\$0.00	\$18,276.22	\$2,089.62	\$0.00	\$11,361.10	\$1,563.22	\$9,978.75	\$599.94	\$0.00	\$15.66	\$0.00	\$4,188.97	\$206.56	\$98.71	\$127,297.69

Owe: 10144150 Total Salary \$97,160.31 Total Fringe \$30,137.38

0072	7.50%	\$7,287.02	\$2,260.30
3018	5.00%	\$4,858.02	\$1,506.87
0017	37.50%	\$36,435.12	\$11,301.52
WasteWtr	50.00%	\$48,580.16	\$15,068.69
		\$97,160.31	\$30,137.38
			\$9,547.33
			\$6,364.88
			\$47,736.63
			\$63,648.85
			\$127,297.69

Macomb County, Michigan
Budget to Actual Report - By Org Key
10/1/2019 TO 12/31/2019

Key	Description	2019	2019	Encumbered	Actual	Variance	Pct Utilized
		Adopted Budget	Final Budget				
Revenue Accounts							
99999	MISCELLANEOUS	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Other Revenue	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>100.00 %</u>
77719	PERSONAL SERVICES	1,625,405.00	1,665,616.00	0.00	934,880.33	-730,735.67	56.12 %
	Total Reimbursements	<u>1,625,405.00</u>	<u>1,665,616.00</u>	<u>0.00</u>	<u>934,880.33</u>	<u>-730,735.67</u>	<u>56.12 %</u>
99905	PRIOR YR REV-FUND BALANCE	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Prior Year Revenue	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>100.00 %</u>
	Total Revenue Accounts	<u>1,625,405.00</u>	<u>1,665,616.00</u>	<u>0.00</u>	<u>934,880.33</u>	<u>-730,735.67</u>	<u>56.12 %</u>
Expense Accounts							
70200	SAL & WAGE - BASE PAY	995,190.00	1,021,684.00	0.00	291,393.52	730,290.48	28.52 %
70201	CONTRA - BASE PAY	0.00	0.00	0.00	0.00	0.00	100.00 %
70203	SAL & WAGE-BUDGET PART TIME	39,742.00	39,742.00	0.00	8,644.96	31,097.04	21.75 %
70204	SAL & WAGE - RETRO PAY	0.00	0.00	0.00	0.00	0.00	100.00 %
70207	SAL & WAGE - COLA	0.00	0.00	0.00	0.00	0.00	100.00 %
70208	SAL & WAGE - IN LIEU OF MED	0.00	0.00	0.00	0.00	0.00	100.00 %
70209	SAL & WAGE - TEMP/EXTRA-HIRE	0.00	0.00	0.00	0.00	0.00	100.00 %
70211	SAL & WAGE - OVERTIME	25,000.00	25,000.00	0.00	29,112.74	-4,112.74	116.45 %
70212	SAL & WAGE - STANDBY PAY	20,000.00	20,000.00	0.00	5,717.96	14,282.04	28.58 %
70214	SAL & WAGE - LONGEVITY	3,200.00	3,200.00	0.00	1,000.00	2,200.00	31.25 %
70216	SAL & WAGE - CAR ALLOWANCE	0.00	0.00	0.00	802.40	-802.40	100.00 %
70217	SAL & WAGE - ANNL LEAV-PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70218	SAL & WAGE - SICK LEAVE-PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70226	SAL & WAGE-LUMP SUM	0.00	0.00	0.00	2,489.07	-2,489.07	100.00 %
70227	SAL & WAGE - EMP PROV VEH	0.00	0.00	0.00	0.00	0.00	100.00 %
70228	SAL & WAGE - GRP LIFE >\$50K	0.00	0.00	0.00	0.00	0.00	100.00 %
70298	SAL & WAGE - OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Salaries and Wages	<u>1,083,132.00</u>	<u>1,109,626.00</u>	<u>0.00</u>	<u>339,160.65</u>	<u>770,465.35</u>	<u>30.56 %</u>
71510	FICA - OASDI	67,154.00	68,796.00	0.00	21,711.34	47,084.66	31.55 %
71515	FICA - MEDICARE	15,706.00	16,091.00	0.00	5,107.57	10,983.43	31.74 %

Report: GL80DCY

Fund: 101 General Fund

Key: 10144150 PW-Waste Water Services Div

Macomb County, Michigan

Budget to Actual Report - By Org Key

10/1/2019 TO 12/31/2019

Fiscal Year: 2019

Fiscal Period: 12

Key	Description	2019 Adopted Budget	2019 Final Budget	Encumbered	Actual	Variance	Pct Utilized
1516	CONTRA-FICAMEDICARE	0.00	0.00	0.00	0.00	0.00	100.00 %
1520	HOSPITALIZATION INSURANCE	188,266.00	192,701.00	0.00	48,862.22	143,838.78	25.35 %
1521	DENTAL INSURANCE	11,320.00	11,587.00	0.00	2,937.69	8,649.31	25.35 %
1526	CONTRA-EMP HLTH/DENTAL/LIFE	0.00	0.00	0.00	0.00	0.00	100.00 %
1529	RETIREE MEDICAL	86,288.00	86,288.00	0.00	17,247.00	69,041.00	19.98 %
1530	LIFE INSURANCE - BASE	707.00	724.00	0.00	90.32	633.68	12.47 %
1540	PENSION	81,038.00	85,105.00	0.00	20,259.00	64,846.00	23.80 %
1542	PENSION DEFINED CONTRIB	31,306.00	32,896.00	0.00	19,533.58	13,362.42	59.37 %
1546	CONTRA-PENS/RET MED	0.00	0.00	0.00	0.00	0.00	100.00 %
1560	WORKER'S COMPENSATION	2,708.00	2,774.00	0.00	845.98	1,928.02	30.49 %
1570	UNEMPLOYMENT COMPENSATION	0.00	5,792.00	0.00	2,534.00	3,258.00	43.75 %
1580	LONG-TERM DISABILITY	2,224.00	2,281.00	0.00	466.91	1,814.09	20.46 %
1590	COMPENSATED ABSENCES	29,501.00	30,396.00	0.00	8,768.48	21,627.52	28.84 %
1591	CONTRA-WCOMP/UNEMPL/OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Fringe Benefits	516,318.00	535,431.00	0.00	148,364.09	387,066.91	27.70 %
2624	SUPPLIES - OFFICE	0.00	0.00	0.00	0.00	0.00	100.00 %
2901	POSTAGE & DELIVERY	0.00	0.00	0.00	0.00	0.00	100.00 %
32110	CELL PHONES/AIRCARDS	0.00	0.00	0.00	0.00	0.00	100.00 %
33099	REPAIRS & MAINT - EQUIP OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
36104	VEHICLE-GASOLINE	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Operating Expenses	0.00	0.00	0.00	0.00	0.00	100.00 %
31101	INSURANCE-LIABILITY	15,470.00	15,866.00	0.00	3,966.51	11,899.49	25.00 %
31103	INSURANCE-FLEET	4,500.00	4,500.00	0.00	0.00	4,500.00	0.00 %
36103	INTER SERV-TELEPHONE	5,985.00	5,985.00	0.00	1,436.67	4,548.33	24.00 %
	Total Internal Service Costs	25,955.00	26,351.00	0.00	5,403.18	20,947.82	20.50 %
37002	NEW EQUIPMENT	0.00	0.00	0.00	0.00	0.00	100.00 %
37003	FURN & EQUIP-NON CAPITAL	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Capital Outlay	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Expense Accounts	1,625,405.00	1,671,408.00	0.00	492,927.92	1,178,480.08	29.49 %

Macomb County, Michigan
 Budget to Actual Report - By Org Key
 10/1/2019 TO 12/31/2019

Fiscal Year: 2019
 Fiscal Period: 12

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

Key	Description	2019 Adopted Budget	2019 Final Budget	Encumbered	Actual	Variance	Pct Utilized
	Revenue Accounts						
9999	MISCELLANEOUS	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Other Revenue	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>100.00 %</u>
7719	PERSONAL SERVICES	1,625,405.00	1,665,616.00	0.00	441,952.41	-1,223,663.59	26.53 %
	Total Reimbursements	<u>1,625,405.00</u>	<u>1,665,616.00</u>	<u>0.00</u>	<u>441,952.41</u>	<u>-1,223,663.59</u>	<u>26.53 %</u>
99905	PRIOR YR REV-FUND BALANCE	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Prior Year Revenue	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>100.00 %</u>
	Total Revenue Accounts	<u>1,625,405.00</u>	<u>1,665,616.00</u>	<u>0.00</u>	<u>441,952.41</u>	<u>-1,223,663.59</u>	<u>26.53 %</u>

Expense Accounts

70200	SAL & WAGE - BASE PAY	995,190.00	1,021,684.00	0.00	291,393.52	730,290.48	28.52 %
70201	CONTRA - BASE PAY	0.00	0.00	0.00	0.00	0.00	100.00 %
70203	SAL & WAGE-BUDGET PART TIME	39,742.00	39,742.00	0.00	8,644.96	31,097.04	21.75 %
70204	SAL & WAGE - RETRO PAY	0.00	0.00	0.00	0.00	0.00	100.00 %
70207	SAL & WAGE - COLA	0.00	0.00	0.00	0.00	0.00	100.00 %
70208	SAL & WAGE - IN LIEU OF MED	0.00	0.00	0.00	0.00	0.00	100.00 %
70209	SAL & WAGE - TEMP/EXTRA-HIRE	0.00	0.00	0.00	0.00	0.00	100.00 %
70211	SAL & WAGE - OVERTIME	25,000.00	25,000.00	0.00	28,112.74	-4,112.74	116.45 %
70212	SAL & WAGE - STANDBY PAY	20,000.00	20,000.00	0.00	5,717.96	14,282.04	28.58 %
70214	SAL & WAGE - LONGEVITY	3,200.00	3,200.00	0.00	1,000.00	2,200.00	31.25 %
70216	SAL & WAGE - CAR ALLOWANCE	0.00	0.00	0.00	802.40	-802.40	100.00 %
70217	SAL & WAGE - ANN'L LEAV-PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70218	SAL & WAGE - SICK LEAVE-PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70226	SAL & WAGE - LUMP SUM	0.00	0.00	0.00	2,489.07	-2,489.07	100.00 %
70227	SAL & WAGE - EMP PROV VEH	0.00	0.00	0.00	0.00	0.00	100.00 %
70228	SAL & WAGE - GRP LIFE >\$50K	0.00	0.00	0.00	0.00	0.00	100.00 %
70298	SAL & WAGE - OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Salaries and Wages	<u>1,083,132.00</u>	<u>1,109,626.00</u>	<u>0.00</u>	<u>339,160.65</u>	<u>770,465.35</u>	<u>30.56 %</u>
71510	FICA - OASDI	67,154.00	68,796.00	0.00	21,711.34	47,084.66	31.55 %
71515	FICA - MEDICARE	15,706.00	16,091.00	0.00	5,107.57	10,983.43	31.74 %

Macomb County, Michigan

Budget to Actual Report - By Org Key

10/1/2019 TO 12/31/2019

Key	Description	2019		Encumbered	Actual	Variance	Pct Utilized
		Adopted Budget	Final Budget				
'1516	CONTRA-FICA/MEDICARE	0.00	0.00	0.00	0.00	0.00	100.00 %
'1520	HOSPITALIZATION INSURANCE	188,266.00	192,701.00	0.00	48,862.22	143,838.78	25.35 %
'1521	DENTAL INSURANCE	11,320.00	11,587.00	0.00	2,937.69	8,649.31	25.35 %
'1526	CONTRA-EMP HLTH/DENTAL/LIFE	0.00	0.00	0.00	0.00	0.00	100.00 %
'1529	RETIREE MEDICAL	86,288.00	86,288.00	0.00	17,247.00	69,041.00	19.98 %
'1530	LIFE INSURANCE - BASE	707.00	724.00	0.00	90.32	633.68	12.47 %
'1540	PENSION	81,038.00	85,105.00	0.00	20,259.00	64,846.00	23.80 %
'1542	PENSION DEFINED CONTRIB	31,306.00	32,896.00	0.00	19,533.58	13,362.42	59.37 %
'1546	CONTRA-PENS/RET MED	0.00	0.00	0.00	0.00	0.00	100.00 %
'1560	WORKER'S COMPENSATION	2,708.00	2,774.00	0.00	845.98	1,928.02	30.49 %
'1570	UNEMPLOYMENT COMPENSATION	0.00	5,792.00	0.00	2,534.00	3,258.00	43.75 %
'1580	LONG-TERM DISABILITY	2,224.00	2,281.00	0.00	466.91	1,814.09	20.46 %
'1590	COMPENSATED ABSENCES	29,601.00	30,396.00	0.00	8,768.48	21,627.52	28.84 %
'1590	CONTRA-WCOMP/UNEMPL/OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Fringe Benefits	516,318.00	535,431.00	0.00	148,364.09	387,066.91	27.70 %
2624	SUPPLIES - OFFICE	0.00	0.00	0.00	0.00	0.00	100.00 %
2901	POSTAGE & DELIVERY	0.00	0.00	0.00	0.00	0.00	100.00 %
32110	CELL PHONES/AIRCARDS	0.00	0.00	0.00	0.00	0.00	100.00 %
3099	REPAIRS & MAINT - EQUIP OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
36104	VEHICLE-GASOLINE	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Operating Expenses	0.00	0.00	0.00	0.00	0.00	100.00 %
31101	INSURANCE -LIABILITY	15,470.00	15,866.00	0.00	3,966.51	11,899.49	25.00 %
31103	INSURANCE -FLEET	4,500.00	4,500.00	0.00	0.00	4,500.00	0.00 %
36103	INTER SERV-TELEPHONE	5,985.00	5,985.00	0.00	1,436.67	4,548.33	24.00 %
	Total Internal Service Costs	25,955.00	26,351.00	0.00	5,403.18	20,947.82	20.50 %
37002	NEW EQUIPMENT	0.00	0.00	0.00	0.00	0.00	100.00 %
37003	FURN & EQUIP-NON CAPITAL	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Capital Outlay	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Expense Accounts	1,625,405.00	1,671,408.00	0.00	492,927.92	1,178,480.08	29.49 %

Report: GL80DCY

Fund: 101 General Fund

Key: 10144150 PW-Waste Water Services Div

Macomb County, Michigan

Budget to Actual Report - By Org Key

10/1/2019 TO 12/31/2019

Fiscal Year: 2019

Fiscal Period: 12

2019
Adopted
Budget

Key Description

Encumbered

Actual

Variance Pct Utilized

Revenue	1,625,405.00	1,665,616.00	0.00	441,952.41	-1,223,663.59
Expenses	1,625,405.00	1,671,408.00	0.00	492,927.92	1,178,480.08
Net	0.00	-5,792.00	0.00	-50,975.51	-45,183.51

10144150 - PW-Waste Water S					
			4th Quarter		
Payroll			339,160.65		
Fringe			148,364.09		
			487,524.74		
Operating Expense					
Internal Svc Cost			5,403.18		
Capital Outlay					
			5,403.18		
Total			492,927.92		

MARTIN SANITARY DIVISION AND SEMCOWDS
PERSONNEL REIMBURSEMENT

10/1/19 - 12/31/19

10144130 DESCRIPTION AMOUNT SEMCOWDS Martin 15%

70200 Base Pay	\$113,735.54		
70203 Part Time	\$9,163.71		
70208 In Lieu of Med	\$668.00		
70211 Overtime	\$10,817.85		
70212 Stand By	\$1,612.58		
70213	\$7,067.78		
70214	\$1,850.00		
70226 Sal-Wage Lump Sum	\$1,274.52		
70298 Sal-Wage Other	\$683.97		
Total Salary	\$146,873.95	\$14,687.40	\$22,031.09

L. Lavigne
P. Dehring
P. Trombley
B. Bugamelli
S. Schmeisler
R. Lupio
V. Faylor
Z. Heaton
K. Benda
T. Semrow

71510 FICA - OASDI	\$9,119.50		
71515 FICA - Medicare	\$2,132.80		
71520 Hospitalization Ins.	\$25,985.01		
71521 Dental Ins.	\$1,399.86		
71529 Retiree Medical	\$11,907.58		
71530 Life Ins. - Base	\$48.44		
71540 Pension	\$11,656.30		
71542 Pension Defined Contrib.	\$3,104.37		
71560 Worker's Comp	\$364.39		
71580 Long-term Disability	\$270.77		
71590 Compensated Absences	\$3,456.71		
Total Fringe	\$69,445.73	\$6,944.57	\$10,416.86
Grand Total	\$216,319.68	\$21,631.97	\$32,447.95

Calculations regarding percentage Martin and SEMCOWDS owe
8.5 Mille Relief for Salary and Fringe formerly charged to Chapaton.

Subject	Phil	Bob B.	Kris	Victor	Pete	Shawn	Ron	Larry	Zach	Trevor	Accruals	Totals
70200	\$11,440.56		\$12,431.39		\$16,692.84	\$11,440.56	\$11,440.56	\$11,440.56	\$9,724.44	\$10,058.13	\$19,066.50	\$113,735.54
70203		\$4,908.98		\$3,205.44							\$1,049.29	\$9,163.71
70208			\$501.00								\$167.00	\$668.00
70211	\$646.01		\$2,267.34		\$4,084.54		\$514.48		\$1,232.63	\$758.16	\$1,314.69	\$10,817.85
70212	\$143.55					\$47.85	\$47.85	\$669.92	\$162.69	\$167.48	\$373.24	\$1,612.58
70213	\$861.34						\$2,009.79		\$976.19		\$1,210.67	\$7,067.78
70214	\$450.00				\$800.00	\$600.00					\$548.38	\$1,850.00
70226					\$726.14							\$1,274.52
70298			\$683.97									\$683.97
71510	\$839.57	\$304.36	\$984.79	\$198.73	\$1,416.67	\$749.49	\$836.90	\$907.35	\$749.95	\$680.99	\$1,450.70	\$9,119.50
71515	\$196.35	\$71.19	\$230.30	\$46.48	\$331.32	\$175.29	\$195.73	\$212.22	\$175.39	\$159.25	\$339.28	\$2,132.80
71520	\$3,326.25		\$2,701.25		\$3,326.25	\$3,326.25	\$3,326.25	\$3,326.25	\$3,326.25	\$3,326.25		\$25,985.01
71521	\$199.98				\$199.98	\$199.98	\$199.98	\$199.98	\$199.98	\$199.98		\$1,399.86
71529											\$11,907.58	\$11,907.58
71530	\$5.22		\$5.22		\$5.22	\$5.22	\$5.22	\$5.22	\$5.22	\$5.22	\$6.68	\$48.44
71540											\$11,656.30	\$11,656.30
71542									\$1,183.44	\$1,203.46	\$717.47	\$3,104.37
71560	\$33.86	\$12.28	\$38.45	\$8.01	\$55.75	\$30.24	\$33.76	\$36.58	\$29.99	\$27.46	\$58.01	\$364.39
71580	\$4.25		\$33.07		\$40.92	\$25.99	\$24.70	\$27.12	\$23.69	\$23.63	\$67.40	\$270.77
71590	\$343.20		\$393.44		\$500.76	\$343.20	\$343.20	\$343.20	\$294.72	\$301.73	\$593.26	\$3,456.71
Total	\$18,490.14	\$5,296.81	\$20,270.23	\$3,458.66	\$28,180.39	\$16,944.07	\$18,463.94	\$19,692.67	\$18,084.58	\$16,911.74	\$165,793.23	\$216,319.68

Owe: 10144130

Total Salary \$146,873.95

Total Fringe \$69,445.73

0072 15.00%

3018 10.00%

0017 75.00%

Macomb County, Michigan

Budget to Actual Report - By Org Key

10/1/2019 TO 12/31/2019

Key	Description	2019 Adopted Budget	2019 Final Budget	Encumbered	Actual	Variance	Pct Utilized
Revenue Accounts							
69999	MISCELLANEOUS	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Other Revenue	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>100.00 %</u>
67719	PERSONAL SERVICES	1,100,119.00	1,062,493.00	0.00	225,653.68	-836,839.32	21.23 %
67753	INS CLAIMS-WORKERS COMP	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Reimbursements	<u>1,100,119.00</u>	<u>1,062,493.00</u>	<u>0.00</u>	<u>225,653.68</u>	<u>-836,839.32</u>	<u>21.23 %</u>
69905	PRIOR YR REV-FUND BALANCE	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Prior Year Revenue	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>100.00 %</u>
	Total Revenue Accounts	<u>1,100,119.00</u>	<u>1,062,493.00</u>	<u>0.00</u>	<u>225,653.68</u>	<u>-836,839.32</u>	<u>21.23 %</u>

4

Expense Accounts

70200	SAL & WAGE - BASE PAY	507,201.00	483,929.00	0.00	123,482.17	360,446.83	25.51 %
70201	CONTRA - BASE PAY	0.00	0.00	0.00	0.00	0.00	100.00 %
70203	SAL & WAGE-BUDGET PART TIME	46,639.00	46,639.00	0.00	9,163.71	37,475.29	19.64 %
70204	SAL & WAGE - RETRO PAY	0.00	0.00	0.00	0.00	0.00	100.00 %
70205	SAL & WAGE - COMP TIME PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70207	SAL & WAGE - COLA	0.00	0.00	0.00	0.00	0.00	100.00 %
70208	SAL & WAGE -IN LIEU OF MED	0.00	0.00	0.00	668.00	-668.00	100.00 %
70209	SAL & WAGE - TEMP/EXTRA-HIRE	0.00	0.00	0.00	0.00	0.00	100.00 %
70211	SAL & WAGE - OVERTIME	25,000.00	25,000.00	0.00	10,817.85	14,182.15	43.27 %
70212	SAL & WAGE - STANDBY PAY	13,600.00	13,600.00	0.00	1,612.58	11,987.42	11.85 %
70213	SAL & WAGE - HOLIDAY PAY	8,000.00	8,000.00	0.00	7,067.78	932.22	88.34 %
70214	SAL & WAGE - LONGEVITY	2,200.00	2,200.00	0.00	1,850.00	350.00	84.09 %
70216	SAL & WAGE - CAR ALLOWANCE	0.00	0.00	0.00	170.24	-170.24	100.00 %
70217	SAL & WAGE - ANNL LEAV-PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70218	SAL & WAGE - SICK LEAVE-PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70226	SAL & WAGE -LUMP SUM	0.00	0.00	0.00	1,274.52	-1,274.52	100.00 %
70227	SAL & WAGE - EMP PROV VEH	0.00	0.00	0.00	0.00	0.00	100.00 %
70228	SAL & WAGE - GRP LIFE >\$50K	0.00	0.00	0.00	0.00	0.00	100.00 %
70298	SAL & WAGE - OTHER	0.00	0.00	0.00	683.97	-683.97	100.00 %

Macomb County, Michigan
 Budget to Actual Report - By Org Key
 10/1/2019 TO 12/31/2019

Fiscal Year: 2019
 Fiscal Period: 12

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

Key	Description	2019 Adopted Budget	2019 Final Budget	Encumbered	Actual	Variance	Pct Utilized
	Total Salaries and Wages	<u>602,640.00</u>	<u>579,368.00</u>	<u>0.00</u>	<u>156,790.82</u>	<u>422,577.18</u>	<u>27.06 %</u>
71510	FICA - OASDI	37,364.00	35,921.00	0.00	9,742.94	26,178.06	27.12 %
71515	FICA - MEDICARE	8,738.00	8,401.00	0.00	2,284.97	6,116.03	27.19 %
71516	CONTRA-FICA/MEDICARE	0.00	0.00	0.00	0.00	0.00	100.00 %
71520	HOSPITALIZATION INSURANCE	124,402.00	115,532.00	0.00	27,059.71	88,472.29	23.42 %
71521	DENTAL INSURANCE	7,480.00	6,947.00	0.00	1,464.51	5,482.49	21.08 %
71522	BCBS - TRADITIONAL	0.00	0.00	0.00	0.00	0.00	100.00 %
71524	HEALTH ALLIANCE PLAN	0.00	0.00	0.00	0.00	0.00	100.00 %
71526	CONTRA-EMP HLTH/DENTAL/LIFE	0.00	0.00	0.00	0.00	0.00	100.00 %
71528	RETIREE DEATH BENEFIT	0.00	0.00	0.00	0.00	0.00	100.00 %
71529	RETIREE MEDICAL	67,292.00	67,292.00	0.00	12,936.00	54,356.00	19.22 %
71530	LIFE INSURANCE - BASE	467.00	434.00	0.00	50.76	383.24	11.69 %
71540	PENSION	50,643.00	47,071.00	0.00	12,663.00	34,408.00	26.90 %
71542	PENSION DEFINED CONTRIB	11,948.00	13,538.00	0.00	3,845.87	9,692.13	28.40 %
71546	CONTRA-PENS/RET MED	0.00	0.00	0.00	0.00	0.00	100.00 %
71550	DELTA DENTAL	0.00	0.00	0.00	0.00	0.00	100.00 %
71552	GOLDEN DENTAL	0.00	0.00	0.00	0.00	0.00	100.00 %
71555	SVS VISION	0.00	0.00	0.00	0.00	0.00	100.00 %
71560	WORKER'S COMPENSATION	1,507.00	1,449.00	0.00	389.71	1,059.29	26.89 %
71570	UNEMPLOYMENT COMPENSATION	0.00	0.00	0.00	0.00	0.00	100.00 %
71580	LONG-TERM DISABILITY	1,195.00	1,145.00	0.00	283.83	861.17	24.78 %
71590	COMPENSATED ABSENCES	14,932.00	14,234.00	0.00	3,750.97	10,483.03	26.35 %
71591	CONTRA-WCOMP/UNEMPL/OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
71592	FRINGE ADJUSTMENT	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Fringe Benefits	<u>325,968.00</u>	<u>311,964.00</u>	<u>0.00</u>	<u>74,472.27</u>	<u>237,491.73</u>	<u>23.87 %</u>
93099	REPAIRS & MAINT - EQUIP OTHER	0.00	0.00	0.00	48,147.50	-48,147.50	100.00 %
93101	EQUIP MAINT AGREEMENTS	0.00	0.00	0.00	0.00	0.00	100.00 %
96104	VEHICLE-GASOLINE	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Operating Expenses	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>48,147.50</u>	<u>-48,147.50</u>	<u>100.00 %</u>
91101	INSURANCE -LIABILITY	8,308.00	7,958.00	0.00	1,989.51	5,968.49	25.00 %
91102	INSURANCE -PROPERTY	20,000.00	20,000.00	0.00	0.00	20,000.00	0.00 %
91103	INSURANCE -FLEET	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00 %

Macomb County, Michigan

Budget to Actual Report - By Org Key

10/1/2019 TO 12/31/2019

	2019		Encumbered	Actual	Variance	Pct Utilized
	Adopted Budget	Final Budget				
996103 INTER SERV-TELEPHONE	5,450.00	5,450.00	0.00	1,175.46	4,274.54	21.56 %
999101 INDIRECT COST ALLOCATION	135,753.00	135,753.00	0.00	140,804.00	-5,051.00	103.72 %
Total Internal Service Costs	171,511.00	171,161.00	0.00	143,968.97	27,192.03	84.11 %
Total Expense Accounts	1,100,119.00	1,062,493.00	0.00	423,379.56	639,113.44	39.84 %

Revenue	1,100,119.00	1,062,493.00	0.00	225,653.68	-836,839.32
Expenses	1,100,119.00	1,062,493.00	0.00	423,379.56	639,113.44
Net	0.00	0.00	0.00	-197,725.88	-197,725.88

10144130 - PW-Pumping Stati		4th Quarter
Payroll		156,790.82
Fringe		74,472.27
		231,263.09
Operating Expense		48,147.50
Internal Svc Cost		143,968.97
		192,116.47
Less: Sp Assessment Chgs		(48,147.50)
Total		375,232.06

MARTIN SANITARY DIVERSION and SEMCWWDS
SHARE OF INTERNAL COSTS
10/1/19-12/31/19

10144130 DESCRIPTION	AMOUNT	SEMCWWDS	Martin
		10.00%	15.00%
91101 Insurance-Liability	\$1,989.51		
96103 Inter Serv-Telephone	\$1,175.46		
99101 Indirect Cost Alloc	\$140,804.00		
Total	\$143,968.97	\$14,396.90	\$21,595.35

Calculations regarding percentage Martin and SEMCWWDS owe
8.5 Mile Relief for Internal Service costs charged to 8.5 Mile Relief.

County of Macomb Prod
IFAS DETAIL TRANSACTION HISTORY

10/1/2019 to 12/31/2019

Ledger: GL

Org Key: 10144130 Public Works - Pumping Station

Object: 91101 INSURANCE -LIABILITY

Posting	Reference	Batch ID	Second	Description	Debit	Credit	Net	Entr. Date
Date			Ref #					
91101	INSURANCE -LIABILITY							
10/01/2019	JEFN117256	JA190852		Rec Oct 2019 Liab Ins	663.17	0.00		10/15/19
11/01/2019	JEFN117932	JA190965		Rec Nov 2019 Liab Ins	663.17	0.00		11/21/19
12/01/2019	JEFN118729	JA191095		Rec Dec 2019 Liab Ins	663.17	0.00		12/26/19
	Object Total:	91101		INSURANCE -LIABILITY	1,989.51	0.00	1,989.51	
	Key Total:	10144130		Public Works - Pumping Station	1,989.51	0.00	1,989.51	

JOURNAL ENTRY DETAIL REPORT

JOURNAL #	2nd Ref	BATCH ID	POST DATE	DESCRIPTION	ORG KEY	OBJECT	OBJ DESCRIP	DEBIT	CREDIT
JEFN117256		JA190852	10/01/2019	Rec Oct 2019 Liab Ins	10144130	91101	INSURANCE -LIABILITY	663.17	0.00
JEFN117256		JA190852	10/01/2019	Rec Oct 2019 Liab Ins	10144150	91101	INSURANCE -LIABILITY	1,322.17	0.00
JEFN117256		JA190852	10/01/2019	Rec Oct 2019 Liab Ins	10144101	91101	INSURANCE -LIABILITY	2,975.00	0.00
JEFN117256		JA190852	10/01/2019	AutoID: JA190852 Job: 4550357	10100000	10001	CASH - CLAIMS ON CASH	0.00	180,597.38
								<u>4,960.34</u>	<u>180,597.38</u>

County of Macomb Prod
IFAS DETAIL TRANSACTION HISTORY

10/1/2019 to 12/31/2019

Ledger: GL

Org Key: 10144130 Public Works - Pumping Station

Object: 96103 INTER SERV-TELEPHONE

Posting	Date	Reference	Batch ID	Second Ref #	Description	Debit	Credit	Net	Entr. Date
96103		INTER SERV-TELEPHONE							
	10/31/2019	JEFN117764	JA190937		TELEPHONE COST OCTOBER 2019	391.82	0.00		11/06/19
	11/20/2019	JEFN118014	JA190976		TELEPHONE COST NOVEMBER	391.82	0.00		11/25/19
	12/02/2019	JEFN118253	JA191006		TELEPHONE COST DECEMBER	391.82	0.00		12/05/19
		Object Total:	96103	INTER SERV-TELEPHONE		<u>1,175.46</u>	<u>0.00</u>	<u>1,175.46</u>	
		Key Total:	10144130	Public Works - Pumping Station		<u>1,175.46</u>	<u>0.00</u>	<u>1,175.46</u>	

JOURNAL ENTRY DETAIL REPORT

JOURNAL #	2nd Ref	BATCH ID	POST DATE	DESCRIPTION	ORG KEY	OBJECT	OBJ DESCRIP	DEBIT	CREDIT
JEFN117764		JA190937	10/31/2019	AutoID: JA190937 Job: 4596925	10100000	10001	CASH - CLAIMS ON CASH	0.00	86,852.59
JEFN117764		JA190937	10/31/2019	TELEPHONE COST OCTOBER 2019	10144130	96103	INTER SERV-TELEPHONE	391.82	0.00
JEFN117764		JA190937	10/31/2019	TELEPHONE COST OCTOBER 2019	10144150	96103	INTER SERV-TELEPHONE	478.89	0.00
JEFN117764		JA190937	10/31/2019	TELEPHONE COST OCTOBER 2019	10144101	96103	INTER SERV-TELEPHONE	3,569.88	0.00
								<u>4,440.59</u>	<u>86,852.59</u>

County of Macomb Prod
IFAS DETAIL TRANSACTION HISTORY

10/1/2019 to 12/31/2019

Ledger: GL

Org Key: 10144130 Public Works - Pumping Station

Object: 99101 INDIRECT COST ALLOCATION

Posting Date	Reference	Batch ID	Second Ref #	Description	Debit	Credit	Net	Entry Date
99101	INDIRECT COST ALLOCATION							
12/31/2019	JEFN119206	JA200084		2019 IND COST ALLOC FROM 20	140,804.00	0.00		02/06/20
	Object Total:	99101		INDIRECT COST ALLOCATION	<u>140,804.00</u>	<u>0.00</u>	140,804.00	
	Key Total:	10144130 Public Works - Pumping Station			<u>140,804.00</u>	<u>0.00</u>	140,804.00	

JOURNAL ENTRY DETAIL REPORT

JOURNAL #	2nd Ref	BATCH ID	POST DATE	DESCRIPTION	ORG KEY	OBJECT	OBJ DESCRIP	DEBIT	CREDIT
JEFN119206		JA200084	12/31/2019	2019 IND COST ALLOC FROM 2017	10144130	99101	INDIRECT COST ALLOCAT	140,804.00	0.00
JEFN119206		JA200084	12/31/2019	2019 IND COST ALLOC FROM 2017	10144101	99101	INDIRECT COST ALLOCAT	888,304.00	0.00
								<u>1,029,108.00</u>	<u>0.00</u>



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/12/20
4. SET ID VP200213MA		
5. POST DATE		

PARENT RECORD INFORMATION	
6. VENDOR NAME (Check to be issued to) Cummins Bridgeway	11. Invoice Amount 937.02
7. VENDOR NUMBER V05890	10. Invoice Date 2/12/2020
8. ADDR CODE 04	9. Invoice No (MAX = 16 CHARACTERS) S6-40079

CHILD RECORD DETAIL INFORMATION			
General Ledger	Job Ledger	OPTIONAL	21. MISC
12. Org Key	14. Cost Center (CCNT)	17. Secondary Reference (MAX = 16 CHARACTERS)	20. DIV
13. Object	15. Object	18. Description (MAX = 30 CHARACTERS)	19. Amount
A 8210017M	CC0004	8 1/2 Mile Relief	937.02 GEN
B			
C			
D			
E			
F			
G			

23. Total: \$ 937.02

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>AKM</u>	30. Drain: <u>8 1/2 Mile Relief</u>
26. Chief Deputy: <u>AS</u>	31. Project Balance: <u>N/A</u>
27. Engineers:	32. Staff Date: <u>2/25/2020</u>
28. Managers: <u>UB</u>	33. Board Date: <u>3/9/2020</u>
29. Coordinator: <u>KL</u>	34. Select For Pay Date:



Sales and Service

NEW HUDSON MI BRANCH
54250 Grand River Avenue
New Hudson, MI 48165
(248)573-1900

Payment terms are 30 days from invoice date unless otherwise agreed upon in writing. Remit to:
#774494
4494 Solutions Center
Chicago, IL 60677-4004

PM CONTRACT INVOICE

PAGE 1 OF 1

INVOICE NO

S6-40079

REMIT TO:#774494 4494 Solutions Center Chicago,IL 60677-4004

BILLING ADDRESS:

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

SITE ADDRESS:

CHAPATON
23001 NINE MILE RD
ST CLAIR SHORES, MI 48080

PM#: 25

BILLING MONTH: January

START DATE: 01-JUL-2019

END DATE: 30-JUN-2020

QUOTE #: 65993

REFERENCE #: BILL

(586) 772-3425

PETER TROMBLEY

DATE	CUSTOMER ORDER NO.	DATE IN SERVICE	ENGINE MODEL	PUMP NO.	EQUIPMENT MAKE		
12-FEB-2020	SIGNED AGREEMENT		500GFGA		CUMMINS		
CUSTOMER NO.	SHIP VIA	FAIL DATE	ENGINE SERIAL NO.	CPL NO.	EQUIPMENT MODEL		
207709			HM08H31673201				
REF. NO.	SALESPERSON	PARTS DISP.	MILEAGE/HOURS	PUMP CODE	UNIT NO.		
	Daniel Roulo		229.8		CHAPATON		
QUANTITY ORDERED	BACK ORDERED	QUANTITY SHIPPED	PART NUMBER	DESCRIPTION	PRODUCT CODE	UNIT PRICE	AMOUNT

BILLING SCHEDULE: FULL PM SERVICE (FS)

UNIT SUBTOTAL: 937.02

TAX EXEMPT NUMBERS:

SUBTOTAL: 937.02

TAXES: LOCAL 0.00

Billing Inquiries? Call (877)480-6970

THERE ARE ADDITIONAL CONTRACT TERMS ON THE REVERSE SIDE OF THIS DOCUMENT, INCLUDING LIMITATION ON WARRANTIES AND REMEDIES, WHICH ARE EXPRESSLY INCORPORATED HEREIN AND WHICH PURCHASER ACKNOWLEDGES HAVE BEEN READ AND FULLY UNDERSTOOD.

TOTAL DUE: US \$ 937.02

RECEIVED BY (print name)

SIGNATURE

DATE

TERMS AND CONDITIONS

These Terms and Conditions, together with the estimate/quote (the "Quote") and/or invoice ("Invoice") attached to these Terms and Conditions, are hereinafter collectively referred to as the "Agreement" and shall constitute the entire agreement between the customer ("Customer") identified on the Quote and/or Invoice and Cummins Inc. ("Cummins") and supersede any previous agreement or understanding (oral or written) between the parties with respect to the subject matter of this Agreement. No prior inconsistent course of dealing, course of performance, or usage of trade, if any, constitutes a waiver of, or serves to explain or interpret, the Terms and Conditions set forth in this Agreement. Electronic transactions between Customer and Cummins will be solely governed by the Terms and Conditions of this Agreement, and any terms and conditions on Customer's website or other Internet site will be null and void and of no legal effect on Cummins. In the event Customer delivers, references, incorporates by reference, or produces any purchase order or document, any terms and conditions related thereto shall be null and void and of no legal effect on Cummins.

1. **SCOPE OF SERVICES; PERFORMANCE OF SERVICES.** Cummins shall supply part(s) and/or component(s) and/or engine(s) and/or generator set(s) ("Goods") and/or perform the maintenance and/or repair ("Services") on the equipment identified in the Quote and/or Invoice ("Equipment"), if applicable, in accordance with the specifications in the Quote and/or Invoice. No additional services or goods are included in this Agreement unless agreed upon by the parties in writing, or otherwise, as applicable.

2. **CUSTOMER OBLIGATIONS.** If necessary, Customer shall provide Cummins safe and free access to Customer's site and arrange for all related services and utilities necessary for Cummins to safely and freely perform the Services. During the performance of the Services, Customer shall fully and completely secure all or any part of any facility where the Equipment is located to remove and mitigate any and all safety issues and risks, including but not limited to injury to facility occupants, customers, visitors, or any third party and/or property damage or work interruption arising out of the Services. If applicable, Customer shall make all necessary arrangements to address and mitigate the consequences of any electrical service interruption which might occur during the Services. Customer is responsible for operating and maintaining the Equipment in accordance with the owner's manual for the Equipment.

3. **INVOICING AND PAYMENT.** Unless otherwise agreed to by the parties in writing and subject to credit approval by Cummins, payments are due thirty (30) days from the date of invoice. If Customer does not have approved credit with Cummins, as solely determined by Cummins, payments are due in advance or at the time of supply of the Goods and/or Services. If payment is not received when due, in addition to any rights Cummins may have at law, Cummins may charge Customer eighteen percent (18%) interest annually on late payments, or the maximum amount allowed by law. Customer agrees to pay all Cummins' costs and expenses (including all reasonable attorneys' fees) related to Cummins' enforcement and collection of unpaid invoices, or any other enforcement of this Agreement by Cummins.

4. **TAXES; EXEMPTIONS.** The invoice includes all applicable local, state, or federal sales and/or use or similar taxes which Cummins is required by applicable laws to collect from Customer under this Agreement. Customer must provide a valid tax exemption certificate or direct payment certificate prior to shipment of the Goods or performance of the Services, or such taxes will be included in the invoice.

5. **DELIVERY, TITLE AND RISK OF LOSS.** Unless otherwise agreed in writing by the parties, any Goods supplied under this Agreement shall be delivered FOB Origin, freight prepaid to the final destination. If agreed, any charges for third party freight are subject to adjustment to reflect any change in price at time of shipment. Unless otherwise agreed to, packaging method, shipping documents and manner, route and carrier and delivery shall be as Cummins deems appropriate. All shipments are made within normal business hours, Monday through Friday. Unless otherwise agreed in writing by the parties, title and risk of loss for any Goods sold under this Agreement shall pass to Customer upon delivery of Goods by Cummins to freight carrier or to Customer at pickup at Cummins' facility.

6. **DELAYS.** Any delivery, shipping, installation, or performance dates indicated in this Agreement are estimated and not guaranteed. Further, delivery time is subject to confirmation at time of order. Cummins shall not be liable to Customer or any third party for any loss, damage, or expense suffered by Customer or third party due to any delay in delivery, shipping, installation, or performance, however occasioned, including any delays in performance that result directly or indirectly from acts of Customer or causes beyond Cummins' control, including but not limited to acts of God, accidents, fire, explosions, flood, unusual weather conditions, acts of government authority, or labor disputes.

7. LIMITED WARRANTIES

a. **New Goods:** New Goods purchased or supplied under this Agreement are governed by the express written manufacturers' warranty. No other warranty for Goods supplied under this Agreement is provided under this Agreement.
b. **Cummins Exchange Components, Other Exchange Components, and Recon:** Cummins will administer the Cummins exchange component warranty and the warranties of other manufacturers' exchange components or Recon Components which are sold by Cummins. In the event of defects in such items, only manufacturers' warranties will apply.
c. **HHP Exchange Engine:** HHP Exchange Engine remanufactured by Cummins under this Agreement are governed by the express Cummins' written warranty. No other warranty for HHP exchange Engines supplied under this Agreement is provided under this Agreement.

d. **General Service Work:** All Services shall be free from defects in workmanship (i) for power generation equipment (including engines in such equipment), for a period of ninety (90) days after completion of Services or 500 hours of operation, whichever occurs first; or (ii) for engines, for a period of ninety (90) days after completion of Services, 25,000 miles or 300 hours of operation, whichever occurs first. In the event of a warrantable defect in workmanship of Services supplied under this Agreement ("Warrantable Defect"), Cummins' obligation shall be solely limited to correcting the Warrantable Defect. Cummins shall correct the Warrantable Defect where (i) such Warrantable Defect becomes apparent to Customer during the warranty period; (ii) Cummins receives written notice of the Warrantable Defect within thirty (30) days following discovery by Customer; and (iii) Cummins has determined that there is a Warrantable Defect. Warrantable Defects remedied under this provision shall be subject to the remaining warranty period of the original warranty of the Services. New Goods supplied during the remedy of Warrantable Defects are warranted for the balance of the warranty period still available from the original warranty of such Goods.

e. **Used Goods:** Used Goods are sold "as is, where is" unless exception is made in writing between Cummins and Customer. Customer agrees to inspect all used Goods before completing the purchase. THE REMEDIES PROVIDED IN THE LIMITED WARRANTIES AND THIS AGREEMENT ARE THE SOLE AND EXCLUSIVE WARRANTIES AND REMEDIES PROVIDED BY CUMMINS TO THE CUSTOMER UNDER THIS AGREEMENT, EXCEPT AS SET OUT IN THE WARRANTY AND THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY LAW, CUMMINS EXPRESSLY DISCLAIMS ALL OTHER REPRESENTATIONS, WARRANTIES, ENDORSEMENTS, AND CONDITIONS OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY STATUTORY OR COMMON LAW IMPLIED REPRESENTATIONS, WARRANTIES AND CONDITIONS OF FITNESS FOR A PURPOSE OR MERCHANTABILITY.

8. **INDEMNIFICATION.** Customer shall indemnify, defend and hold harmless Cummins from and against any and all claims, actions, costs, expenses, damages and liabilities, including reasonable attorneys' fees, brought against or incurred by Cummins related to or arising out of this Agreement or the Services and/or Goods supplied under this Agreement (collectively, the "Claims"), where such Claims were caused or contributed, in whole or in part, by the acts, omissions, fault or negligence of the Customer. Customer shall present any Claims covered by this indemnity, including any tenders for defenses and indemnity by Cummins to its insurance carrier unless Cummins directs that the defense will be handled by Cummins' legal counsel at Customer's expense.

9. **LIMITATION OF LIABILITY. NOTWITHSTANDING ANY OTHER TERM OF THIS AGREEMENT, IN NO EVENT SHALL CUMMINS, ITS OFFICERS, DIRECTORS, EMPLOYEES, OR AGENTS BE LIABLE TO CUSTOMER OR ANY THIRD PARTY FOR ANY INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES OF ANY KIND (INCLUDING WITHOUT LIMITATION DOWNTIME, LOSS OF PROFIT OR REVENUE, LOSS OF DATA, LOSS OF OPPORTUNITY, DAMAGE TO GOODWILL, ENHANCED DAMAGES, MONETARY REQUESTS RELATING TO RECALL EXPENSES AND REPAIRS TO PROPERTY, AND/OR DAMAGES CAUSED BY DELAY) IN ANY WAY RELATED TO OR ARISING FROM CUMMINS' SUPPLY OF GOODS OR SERVICES UNDER THIS AGREEMENT, IN NO EVENT SHALL CUMMINS' LIABILITY TO CUSTOMER OR ANY THIRD PARTY CLAIMING DIRECTLY THROUGH CUSTOMER OR ON CUSTOMER'S BEHALF UNDER THIS AGREEMENT EXCEED THE TOTAL COST OF GOODS AND SERVICES SUPPLIED BY CUMMINS UNDER THIS AGREEMENT GIVING RISE TO THE CLAIM. BY ACCEPTANCE OF THIS AGREEMENT, CUSTOMER ACKNOWLEDGES CUSTOMER'S SOLE REMEDY AGAINST CUMMINS FOR ANY LOSS SHALL BE THE REMEDY PROVIDED HEREIN EVEN IF THE EXCLUSIVE REMEDY IN SECTION 7 IS DEEMED TO HAVE FAILED OF ITS ESSENTIAL PURPOSE.**

10. **GOVERNING LAW AND JURISDICTION.** This Agreement and all matters arising hereunder shall be governed by and construed in accordance with the laws of the State of Indiana without giving effect to any choice or conflict of law provision. The parties agree that the court of the State of Indiana shall have exclusive jurisdiction to settle any dispute or claim arising in connection with this Agreement.

11. **ASSIGNMENT.** This Agreement is binding on the parties and their successors and assigns. Customer shall not assign this Agreement without the prior written consent of Cummins.

12. **CANCELLATION.** Orders placed with and accepted by Cummins may not be cancelled except with Cummins' prior written consent. Cummins may charge Customer a cancellation charge in accordance with current Cummins policy which is available upon request, in addition to the actual, non-recoverable costs incurred by Cummins.

13. **REFUNDS/CREDITS.** Goods ordered and delivered by Cummins under this Agreement are not returnable unless agreed to by Cummins. Cummins may, at its sole discretion, agree to accept Goods for return and provide credit where Goods are in new and saleable condition and presented with a copy of the original invoice. Credits for returns will be subject to up to a 15% handling/stocking charge and are limited to eligible items purchased from Cummins.

14. **INTELLECTUAL PROPERTY.** Any intellectual property rights created by either party, whether independently or jointly, in the course of the performance of this Agreement or otherwise related to Cummins pre-existing intellectual property or subject matter related thereto, shall be Cummins' property. Customer agrees to assign, and does hereby assign, all right, title, and interest to such intellectual property to Cummins. Any Cummins pre-existing intellectual property shall remain Cummins' property. Nothing in this Agreement shall be deemed to have given Customer a license or any other rights to use any of the intellectual property rights of Cummins.

15. **COMPLIANCE WITH LAWS.** Customer shall comply with all laws applicable to its activities under this Agreement, including without limitation, any and all applicable national, provincial, and local export, anti-bribery, environmental, health, and safety laws and regulations in effect. Customer acknowledges that the Goods, and any related technology that are sold or otherwise provided hereunder may be subject to export and other trade controls restricting the sale, export, re-export and/or transfer, directly or indirectly, of such Goods or technology to certain countries or parties, including, but not limited to, licensing requirements under applicable laws and regulations of the United States, the United Kingdom and other jurisdictions. It is the intention of Cummins to comply with these laws, rules, and regulations. Any other provision of this Agreement to the contrary notwithstanding, Customer shall comply with all such applicable laws relating to the cross-border movement of goods or technology, and all related orders in effect from time to time, and equivalent measures. Customer shall accept full responsibility for any and all civil or criminal liabilities and costs arising from any breaches of those laws and regulations and will defend, indemnify, and hold Cummins harmless from and against any and all fines, penalties, claim, damages, liabilities, judgments, costs, fees, and expenses incurred by Cummins or its affiliates as a result of Customer's breach.

16. **CONFIDENTIALITY.** Each party shall keep confidential any information received from the other that is not generally known to the public and at the time of disclosure, would reasonably be understood by the receiving party to be proprietary or confidential, whether disclosed in oral, written, visual, electronic, or other form, and which the receiving party (or agent) learns in connection with this Agreement including, but not limited to: (a) business plans, strategies, sales, projects and analyses; (b) financial information, pricing, and fee structures; (c) business processes, methods, and models; (d) employee and supplier information; (e) specifications; and (f) the terms and conditions of this Agreement. Each party shall take necessary steps to ensure compliance with this provision by its employees and agents.

17. **MISCELLANEOUS.** All notices under this Agreement shall be in writing and be delivered personally, mailed via first class certified or registered mail, or sent by a nationally recognized express courier service to the addresses set forth in the Quote and/or Invoice. No amendment of this Agreement shall be valid unless it is in writing and signed by the parties hereto. Failure of either party to require performance by the other party of any provision hereof shall in no way affect the right to require such performance at any time thereafter or the enforceability of the Agreement generally, nor shall the waiver by a party of a breach of any of the provisions hereof constitute a waiver of any succeeding breach. Any provision of this Agreement that is invalid or unenforceable shall not affect the validity or enforceability of the remaining terms hereof. These terms are exclusive and constitute the entire agreement. Customer acknowledges that the provisions were freely negotiated and bargained for and Customer has agreed to purchase the Goods and/or Services pursuant to these terms and conditions. Acceptance of this Agreement is expressly conditioned on Customer's assent to all such terms and conditions. Neither party has relied on any statement, representation, agreement, understanding, or promise made by the other except as expressly set out in this Agreement.



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY: (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/12/20
4. SET ID VP00213MA		
5. POST DATE		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) Cummins Bridgeway	7. VENDOR NUMBER V05890	8. ADDR CODE 04	9. Invoice No (MAX = 16 CHARACTERS) S6-40080
			10. Invoice Date 2/12/2020
			11. Invoice Amount 714.82

CHILD RECORD DETAIL INFORMATION									
Line	General Ledger		16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object							
A	8210017M	93002	CC0004	93002	WO18006 : 8 1/2 Mile Relief	Generator load bank test	\$ 714.82	GEN	
B									
C									
D									
E									
F									
G									

23. Total: \$ **714.82**

REV 08/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	<u>BHM</u>	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:	<u>AD</u>	31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	2/25/2020
28. Managers:	<u>WK</u>	33. Board Date:	3/9/2020
29. Coordinator:	<u>JAC</u>	34. Select For Pay Date:	



Sales and Service

Payment terms are 30 days from invoice date unless otherwise agreed upon in writing. Remit to:
#774494
4494 Solutions Center
Chicago, IL 60677-4004

NEW HUDSON MI BRANCH
54250 Grand River Avenue
New Hudson, MI 48165
(248)573-1900

PM CONTRACT INVOICE

PAGE 1 OF 1

INVOICE NO
S6-40080
REMIT TO:#774494 4494 Solutions Center Chicago,IL 60677-4004

BILLING ADDRESS:

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

SITE ADDRESS:

CHAPATON
23001 NINE MILE RD
ST CLAIR SHORES, MI 48080

PM#: 25
BILLING MONTH: February
START DATE: 01-JUL-2019
END DATE: 30-JUN-2020
QUOTE #: 65993
REFERENCE #: BILL

PETER TROMBLEY

(586) 772-3425

DATE	CUSTOMER ORDER NO.	DATE IN SERVICE	ENGINE MODEL	PUMP NO.	EQUIPMENT MAKE
12-FEB-2020	SIGNED AGREEMENT		500GFGA		CUMMINS
CUSTOMER NO.	SHIP VIA	FAIL DATE	ENGINE SERIAL NO.	CPL NO.	EQUIPMENT MODEL
207709			HM08H31673201		
REF. NO.	SALESPERSON	PARTS DISP.	MILEAGE/HOURS	PUMP CODE	UNIT NO.
	Daniel Roulo		229,8		CHAPATON

QUANTITY ORDERED	BANK ORDERED	QUANTITY SHIPPED	PART NUMBER	DESCRIPTION	PRODUCT CODE	UNIT PRICE	AMOUNT

BILLING SCHEDULE: 2 HOUR LOAD BANK TEST

UNIT SUBTOTAL: 714.82

TAX EXEMPT NUMBERS:

SUBTOTAL: 714.82

TAXES: LOCAL 0.00

Billing Inquiries? Call (877)480-6970

THERE ARE ADDITIONAL CONTRACT TERMS ON THE REVERSE SIDE OF THIS DOCUMENT, INCLUDING LIMITATION ON WARRANTIES AND REMEDIES, WHICH ARE EXPRESSLY INCORPORATED HEREIN AND WHICH PURCHASER ACKNOWLEDGES HAVE BEEN READ AND FULLY UNDERSTOOD.

TOTAL DUE: US \$ 714.82

RECEIVED BY (print name) _____ SIGNATURE _____ DATE _____

TERMS AND CONDITIONS

These Terms and Conditions, together with the estimate/quote (the "Quote") and/or invoice ("Invoice") attached to these Terms and Conditions, are hereinafter collectively referred to as this "Agreement" and shall constitute the entire agreement between the customer ("Customer") identified on the Quote and/or Invoice and Cummins Inc. ("Cummins") and supersede any previous agreement or understanding (oral or written) between the parties with respect to the subject matter of this Agreement. No prior inconsistent course of dealing, course of performance, or usage of trade, if any, constitutes a waiver of, or serves to explain or interpret, the Terms and Conditions set forth in this Agreement. Electronic transactions between Customer and Cummins will be solely governed by the Terms and Conditions of this Agreement, and any terms and conditions on Customer's website or other internet site will be null and void and of no legal effect on Cummins. In the event Customer delivers, references, incorporates by reference, or produces any purchase order or document, any terms and conditions related thereto shall be null and void and of no legal effect on Cummins.

1. **SCOPE OF SERVICES; PERFORMANCE OF SERVICES.** Cummins shall supply part(s) and/or component(s) and/or engine(s) and/or generator set(s) ("Goods") and/or perform the maintenance and/or repair ("Services") on the equipment identified in the Quote and/or Invoice ("Equipment"), if applicable, in accordance with the specifications in the Quote and/or Invoice. No additional services or goods are included in this Agreement unless agreed upon by the parties in writing, or otherwise, as applicable.

2. **CUSTOMER OBLIGATIONS.** If necessary, Customer shall provide Cummins safe and free access to Customer's site and arrange for all related services and utilities necessary for Cummins to safely and freely perform the Services. During the performance of the Services, Customer shall fully and completely secure all or any part of any facility where the Equipment is located to remove and mitigate any and all safety issues and risks, including but not limited to injury to facility occupants, customers, visitors, or any third party and/or property damage or work interruption arising out of the Services. If applicable, Customer shall make all necessary arrangements to address and mitigate the consequences of any electrical service interruption which might occur during the Services. Customer is responsible for operating and maintaining the Equipment in accordance with the owner's manual for the Equipment.

3. **INVOICING AND PAYMENT.** Unless otherwise agreed to by the parties in writing and subject to credit approval by Cummins, payments are due thirty (30) days from the date of Invoice. If Customer does not have approved credit with Cummins, as determined by Cummins, payments are due in advance or at the time of supply of the Goods and/or Services. If payment is not received when due, in addition to any rights Cummins may have at law, Cummins may charge Customer eighteen percent (18%) interest annually on late payments, or the maximum amount allowed by law. Customer agrees to pay all Cummins' costs and expenses (including all reasonable attorneys' fees) related to Cummins' enforcement and collection of unpaid invoices, or any other enforcement of this Agreement by Cummins.

4. **TAXES; EXEMPTIONS.** The Invoice includes all applicable local, state, or federal sales and/or use or similar taxes which Cummins is required by applicable laws to collect from Customer under this Agreement. Customer must provide a valid tax exemption certificate or direct payment certificate prior to shipment of the Goods or performance of the Services, or such taxes will be included in the Invoice.

5. **DELIVERY, TITLE AND RISK OF LOSS.** Unless otherwise agreed in writing by the parties, any Goods supplied under this Agreement shall be delivered FOB Origin, freight prepaid to the first destination. If agreed, any charges for third party freight are subject to adjustment to reflect any change in price at time of shipment. Unless otherwise agreed to, packaging method, shipping documents and manner, route and carrier and delivery shall be as Cummins deems appropriate. All shipments are made within normal business hours, Monday through Friday. Unless otherwise agreed in writing by the parties, title and risk of loss for any Goods sold under this Agreement shall pass to Customer upon delivery of Goods by Cummins to freight carrier or to Customer at pickup at Cummins' facility.

6. **DELAYS.** Any delivery, shipping, installation, or performance date indicated in this Agreement are estimated and not guaranteed. Further, delivery time is subject to confirmation at time of order. Cummins shall not be liable to Customer or any third party for any loss, damage, or expense suffered by Customer or third party due to any delay in delivery, shipping, installation, or performance, however occasioned, including any delays in performance that result directly or indirectly from acts of God, accidents, fire, explosions, flood, unusual weather conditions, acts of government authority, or labor disputes.

7. LIMITED WARRANTIES.

a. **New Goods:** New Goods purchased or supplied under this Agreement are governed by the express written manufacturer's warranty. No other warranty for Goods supplied under this Agreement is provided under this Agreement.
b. **Cummins Exchange Components, Other Exchange Components, and Racks:** Cummins will administer the Cummins exchange component warranty and the warranties of other manufacturers' exchange components or Rack Components which are sold by Cummins. In the event of defects in such items, only manufacturers' warranties will apply.
c. **HHP Exchange Engines:** HHP Exchange Engines remanufactured by Cummins under this Agreement are governed by the express Cummins' written warranty. No other warranty for HHP exchange Engines supplied under this Agreement is provided under this Agreement.

d. **General Service Work:** All Services shall be free from defects in workmanship (i) for power generation equipment (including engines in such equipment), for a period of ninety (90) days after completion of Services or 500 hours of operation, whichever occurs first; or (ii) for engines, for a period of ninety (90) days after completion of Services, 25,000 miles or 800 hours of operation, whichever occurs first. In the event of a Warrantable Defect in workmanship of Services supplied under this Agreement ("Warrantable Defect"), Cummins' obligation shall be solely limited to remedying the Warrantable Defect. Cummins shall correct the Warrantable Defect within (i) such Warrantable Defect becomes apparent to Customer during the warranty period; (ii) Cummins receives written notice of the Warrantable Defect within thirty (30) days following discovery by Customer; and (iii) Cummins has determined that there is a Warrantable Defect. Warrantable Defects remedied under this provision shall be subject to the remaining warranty period of the original warranty of the Services. New Goods supplied during the remedy of Warrantable Defects are warranted for the balance of the warranty period still available from the original warranty of such Goods.

e. **Used Goods:** Used Goods are sold "as is, where is" unless exception is made in writing between Cummins and Customer. Customer agrees to inspect all used Goods before completing the purchase. **THE REMEDIES PROVIDED IN THE LIMITED WARRANTIES AND THIS AGREEMENT ARE THE SOLE AND EXCLUSIVE WARRANTIES AND REMEDIES PROVIDED BY CUMMINS TO THE CUSTOMER UNDER THIS AGREEMENT. EXCEPT AS SET OUT IN THE WARRANTY AND THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY LAW, CUMMINS EXPRESSLY DISCLAIMS ALL OTHER REPRESENTATIONS, WARRANTIES, ENDORSEMENTS, AND CONDITIONS OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY STATUTORY OR COMMON LAW IMPLIED REPRESENTATIONS, WARRANTIES AND CONDITIONS OF FITNESS FOR A PURPOSE OR MERCHANTABILITY.**

8. **INDEMNIFICATION.** Customer shall indemnify, defend and hold harmless Cummins from and against any and all claims, actions, costs, expenses, damages and liabilities, including reasonable attorneys' fees, brought against or incurred by Cummins related to or arising out of this Agreement or the Services and/or Goods supplied under this Agreement (collectively, the "Claims"), where such Claims were caused or contributed, in whole or in part, by the acts, omissions, fault or negligence of the Customer. Customer shall present any Claims covered by this indemnity, including any tenders for defense and indemnity by Cummins to its insurance carrier unless Cummins directs that the defense will be handled by Cummins' legal counsel at Customer's expense.

9. **LIMITATION OF LIABILITY.** NOTWITHSTANDING ANY OTHER TERM OF THIS AGREEMENT, IN NO EVENT SHALL CUMMINS, ITS OFFICERS, DIRECTORS, EMPLOYEES, OR AGENTS BE LIABLE TO CUSTOMER OR ANY THIRD PARTY FOR ANY INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES OF ANY KIND (INCLUDING WITHOUT LIMITATION DOWNTIME, LOSS OF PROFIT OR REVENUE, LOSS OF DATA, LOSS OF OPPORTUNITY, DAMAGE TO GOODWILL, ENHANCED DAMAGES, MONETARY REQUESTS RELATING TO RECALL EXPENSES AND REPAIRS TO PROPERTY, AND/OR DAMAGES CAUSED BY DELAY) IN ANY WAY RELATED TO OR ARISING FROM CUMMINS' SUPPLY OF GOODS OR SERVICES UNDER THIS AGREEMENT. IN NO EVENT SHALL CUMMINS' LIABILITY TO CUSTOMER OR ANY THIRD PARTY EXCEED THE TOTAL COST OF GOODS AND SERVICES SUPPLIED BY CUMMINS UNDER THIS AGREEMENT GIVING RISE TO THE CLAIM. BY ACCEPTANCE OF THIS AGREEMENT, CUSTOMER UNDER THIS AGREEMENT EXCEEDS THE TOTAL COST OF GOODS AND SERVICES SUPPLIED BY CUMMINS UNDER THIS AGREEMENT GIVING RISE TO THE CLAIM. BY ACCEPTANCE OF THIS AGREEMENT, CUSTOMER ACKNOWLEDGES CUSTOMER'S SOLE REMEDY AGAINST CUMMINS FOR ANY LOSS SHALL BE THE REMEDY PROVIDED HEREIN EVEN IF THE EXCLUSIVE REMEDY IN SECTION 7 IS DEEMED TO HAVE FAILED OF ITS ESSENTIAL PURPOSE.

10. **GOVERNING LAW AND JURISDICTION.** This Agreement and all matters arising hereunder shall be governed by and construed in accordance with the laws of the State of Indiana without giving effect to any choice of conflict of law provision. The parties agree that the court of the State of Indiana shall have exclusive jurisdiction to settle any dispute or claim arising in connection with this Agreement.

11. **ASSIGNMENT.** This Agreement is binding on the parties and their successors and assigns. Customer shall not assign this Agreement without the prior written consent of Cummins.

12. **CANCELLATION.** Orders placed with and accepted by Cummins may not be cancelled except with Cummins' prior written consent. Cummins may charge Customer a cancellation charge in accordance with current Cummins policy which is available upon request, in addition to the actual, non-recoverable costs incurred by Cummins.

13. **REFUNDS/CREDITS.** Goods ordered and delivered by Cummins under this Agreement are not returnable unless agreed to by Cummins. Cummins may, at its sole discretion, agree to accept Goods for return and provide credit where Goods are in new and salable condition and presented with a copy of the original invoice. Credits for returns will be subject to up to a 15% handling/resalable charge and are limited to eligible items purchased from Cummins.

14. **INTELLECTUAL PROPERTY.** Any intellectual property rights created by either party, whether independently or jointly, in the course of the performance of this Agreement or otherwise related to Cummins pre-existing intellectual property or subject matter related thereto, shall be Cummins' property. Customer agrees to assign, and does hereby assign, all right, title, and interest to such intellectual property to Cummins. Any Cummins pre-existing intellectual property shall remain Cummins' property. Nothing in this Agreement shall be deemed to have given Customer a license or any other rights to use any of the intellectual property rights of Cummins.

15. **COMPLIANCE WITH LAWS.** Customer shall comply with all laws applicable to its activities under this Agreement, including without limitation, any and all applicable national, provincial, and local export, anti-fraud, environmental, health, and safety laws and regulations in effect. Customer acknowledges that the Goods, and any related technology that are sold or otherwise provided hereunder may be subject to export and other trade controls relating to the sale, export, re-export and/or transfer, directly or indirectly, of such Goods or technology to certain countries or parties, including, but not limited to, licensing requirements under applicable laws and regulations of the United States, the United Kingdom and other jurisdictions. It is the intention of Cummins to comply with these laws, rules, and regulations. Any other provision of this Agreement to the contrary notwithstanding, Customer shall comply with all such applicable laws relating to the cross-border movement of goods or technology, and all related orders in effect from time to time, and equivalent measures. Customer shall accept full responsibility for any and all civil or criminal liabilities and costs arising from any breaches of these laws and regulations and will defend, indemnify, and hold Cummins harmless from and against any and all fines, penalties, claim, damages, liabilities, judgments, costs, fees, and expenses incurred by Cummins or its affiliates as a result of Customer's breach.

16. **CONFIDENTIALITY.** Each party shall keep confidential any information received from the other that is not generally known to the public and at the time of disclosure, would reasonably be understood by the receiving party to be proprietary or confidential, whether disclosed in oral, written, visual, electronic, or other form, and which the receiving party (or agent) learns in connection with the Agreement including, but not limited to: (a) business plans, strategies, sales, projects and analyses; (b) financial information, pricing, and fee structures; (c) business processes, methods, and models; (d) employee and supplier information; (e) specifications; and (f) the terms and conditions of this Agreement. Each party shall take necessary steps to ensure compliance with this provision by its employees and agents.

17. **MISCELLANEOUS.** All notices under this Agreement shall be in writing and be delivered personally, mailed via first class certified or registered mail, or sent by a nationally recognized express courier service to the addressee set forth in the Quote and/or Invoice. No amendment of this Agreement shall be valid unless it is in writing and signed by the parties hereto. Failure of either party to require performance by the other party of any provision hereof shall in no way affect the right to require such performance at any time thereafter or the enforceability of the Agreement generally, nor shall the waiver by a party of a breach of any of the provisions hereof constitute a waiver of any subsequent breach. Any provision of this Agreement that is invalid or unenforceable shall not affect the validity or enforceability of the remaining terms hereof. These terms are exclusive and constitute entire agreement. Customer acknowledges that the provisions were freely negotiated and bargained for and Customer has agreed to purchase of the Goods and/or Services pursuant to these terms and conditions. Acceptance of this Agreement is expressly conditioned on Customer's assent to all such terms and conditions. Neither party has relied on any statement, representation, agreement, understanding, or promise made by the other except as expressly set out in this Agreement.



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 1/27/20
4. SET ID V200127MA		
5. POST DATE		

PARENT RECORD INFORMATION	
6. VENDOR NAME (Check to be issued to) De-Cal, Inc.	7. VENDOR NUMBER V59694
8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) WO9192425
10. Invoice Date 1/10/2020	11. Invoice Amount \$ 2,359.00

CHILD RECORD DETAIL INFORMATION								
Line	Job Ledger		16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC
	12. Org Key	13. Object						
A	8210017M	93002	CC0004	93002	8 1/2 Mile Relief	\$ 2,359.00	GEN	
B								
C								
D								
E								
F								
G								

23. Total: \$ **2,359.00**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: BTM	30. Drain: 8 1/2 Mile Relief
26. Chief Deputy: AS	31. Project Balance: N/A
27. Engineers: US	32. Staff Date: 2.11.20
28. Managers: AK	33. Board Date: 3.9.20
29. Coordinator:	34. Select For Pay Date:



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

Service Invoice

Invoice #: WO9192425

Date: 01/10/2020

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

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

Client PO#:	Employee:	Due Terms: 30DY
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Assembly#	Part#	Description	Quantity	Price	Ext Price	Sales Tax
		See Attached	1.0000	2,359.000000	2,359.00	N

Notes:

See Work Order For Details

Chap E.
 Hotwater tank

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

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

Thank you for your prompt payment!

Amount Due: \$ 2,359.00

Service Report



Service Report No : 9192425-1

Date: December 13, 2019

Client P.O. #: N/A

HVAC Service

Ready to Invoice/Work Complete

Site:

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

Client:

Macomb County Chaption
23001 E. 9 Mile Rd., St. Clair Shores , MI ,
48080

Reason for Call:

Attention: Pete Trombley

Email: Pete.trombley@macombgov.org

Phone #: 586-719-2287

Project Name: Replace domestic hot water tank

- Description of work -

- Provide all labor and material to
- Have tank delivered to site. (customer to accept tank and store until installed)
- Remove old tank and install new tank (customer to assist with moving tanks)
- Refill tank, check for leaks and proper operation
- Clean all debris from site
- Dispose of tank in customer's dumpster

\$2,359.00

P319104

Description of Service:

12-13 removed and replaced hot water htr. in Chapaton east bldg., drained tank, disconnected piping, flue and gas piping, installed new tank, reworked piping, reconnected flue piping and gas piping, leak checked all piping, filled tank up bleed out air out of water lines, started tank up, cleaned up work area, removed all trash, verified tank heated up properly and shut down properly, informed Pete that job was done

P.O.#s 19-03906 19-03917

Technician Work

Name	Date	Reg. hrs	Prem. hrs
Cliff Wilkerson	Dec 13, 2019	6	0



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 1/31/20
4. SET ID VP200131MA		
5. POST DATE		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to) De-Cal, Inc.	7. VENDOR NUMBER V59694	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) WO9192338	10. Invoice Date 1/21/2020	11. Invoice Amount 2,035.71
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CHILD RECORD DETAIL INFORMATION

General Ledger		Job Ledger		OPTIONAL		19. Amount	20. DIV	21. MISC	22. Sep CK
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)			
A	8210017M	93002	93002	WO19031	8 1/2 Mile Relief	Job #9192338, Stilling Well	\$ 2,035.71	GEN	
B									
C									
D									
E									
F									
G									

REV 09/2018

23. Total: \$ **2,035.71**

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	<i>btm</i>	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:	<i>As</i>	31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	2/11/2020
28. Managers:	<i>WR</i>	33. Board Date:	3/9/2020
29. Coordinator:	<i>CC</i>	34. Select For Pay Date:	



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

Service Invoice

Invoice #: WO9192338
 Date: 01/21/2020

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

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

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

Assembly#	Part#	Description	Quantity	Price	Ext Price	Sales Tax
		See Attached	1.0000	2,035.710000	2,035.71	N

*Chapaton
 stilling well*

De-Cal Service Group is a division of De-Cal, Inc.
 Please Make Checks Payable to: De-Cal, Inc.
 Thank you for your prompt payment!

Amount Due: \$ 2,035.71

Service Report

Service Report No : 9192338-1

Date: November 18, 2019

Client P.O. #: N/A



HVAC Service

Further Work Required

Site:

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

Client:

Macomb County Chaption
23001 E. 9 Mile Rd., St. Clair Shores , MI ,
48080

Reason for Call:

install pressure differential pressure sensors on stilling well pump pipe system

Description of Service:

11-18 Spoke with Joe about piping layout for pressure differential sensors, made up materials list and picked up material from Macomb pipe group PO# 19- 03644

Technician Work

Name	Date	Reg. hrs	Prem. hrs
Cliff Wilkerson	Nov 18, 2019	2	0

Service Report

Service Report No : 9192338-2



Date: December 16, 2019

HVAC Service

Client P.O. #: N/A

Ready to Invoice/Work Complete

Site:

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

Client:

Macomb County Chapton
23001 E. 9 Mile Rd., St. Clair Shores , MI ,
48080

Reason for Call:

install pressure differential pressure sensors on stilling well pump pipe system

Description of Service:

12-16 Arrived onsite checked in with Pete and Joe went over location on stilling well pipe for tapping of pipe. Drilled out 6" duct tile pipe, tapped hole for 3/8" piping, installed 3/8" piping and fittings as per Joe's instructions, he also notified me that he wanted me to provide analog 0-30 psi gauge. finished installing all piping and fittings on both stilling well piping, cleaned up work areas, opened isolation valves to piping, drove to Macomb Pipe group and picked up gauges, to return on Thursday to install PO# 19-03955

12-20 arrived on site, checked in with Pete, installed 0-30 psi gauges on new piping, checked out with Pete

Technician Work

Name	Date	Reg. hrs	Prem. hrs
Cliff Wilkerson	Dec 16, 2019	8	0
Cliff Wilkerson	Dec 19, 2019	2	0



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/18/20
4. SET ID VP 200219 MVA		
5. POST DATE		

PARENT RECORD INFORMATION	
6. VENDOR NAME (Check to be issued to) DTE Energy	7. VENDOR NUMBER V01270
8. ADDR CODE 08	9. Invoice No (MAX = 16 CHARACTERS) 20-086
10. Invoice Date 2/9/2020	11. Invoice Amount \$ 13,224.02

CHILD RECORD DETAIL INFORMATION												
Line	12. Org Key	13. Object	14. Job Ledger		15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
			Cost Center (CCNT)	Job Ledger								
A	8210017M	92101	CC0004	92101	92101	WO18006	8 1/2 Mile Relief	Acct #9100-0005-3785, 1/9/20-2/9/20	\$ 13,224.02	GEN		
B												
C												
D												
E												
F												
G												

23. Total: \$ **13,224.02**

REV 08/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	<i>blm</i>	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:	<i>js</i>	31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	2/25/2020
28. Managers:	<i>js</i>	33. Board Date:	3/9/2020
29. Coordinator:	<i>js</i>	34. Select For Pay Date:	

910000053785

00001322402 B

DTE

20.084

Payment Coupon

Account Number	910000053785
Due Date:	March 05, 2020
Total Due:	\$13,224.02

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

DTE

Summary Of Charges

Account Number 9100-0005-3785

Previous Balance as of 01/10/2020	8,437.82
Payment(s) and Credit(s)	- 8,437.82
Remaining Balance	\$0.00

Current Charges

Service Location	Item	Service Type	Rate	Bill Period	Amount
23001 E 9 Mile Rd	7004376662	General Service Municipal Pumping-Net Metering Cat1	EFCND3_WP	01/09 - 02/09/20	13,224.02
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$13,224.02

Amount Due on or before Due Date of 03/05/2020 **\$13,224.02**

Your current charges are due on March 5, 2020. A 2% late payment charge will be applied if paid after the due date.

Detail Charges

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

Outage Contact Number: 1-313-235-1300

Invoice: 200002061709

Billing Period: 01/09/2020 through 02/09/2020

Days Billed: 32

Metering Information

Meter Number	Start Date	Start Read	Stop Date	Stop Read	Read Difference	Units Multiplier	Usage Used	Type
6321448	01/09	389.2A	02/09	397.0A	7.8	6,400.0000	49,920.0	P - In-V
6321448	01/09	492.2A	02/09	506.0A	13.8	6,400.0000	88,320.0	P - In-W
6321449	01/09	1.4A	02/09	1.4A	0.0	- 6400.000	0.0	P - Out-V
6321449	01/09	0.0A	02/09	0.0A	0.0	- 6400.000	0.0	P - Out-W
6321451	01/09	0.5A	02/09	0.5A	0.0	6,400.0000	0.0	P - In-V
6321451	01/09	0.5A	02/09	0.5A	0.0	6,400.0000	0.0	P - In-W
Total KVARH							49,920.00	
Total KWH							88,320.00	

Invoice: 200002061709 Service Name: Chapaton Pumping Station
 Item: 7004376662 Cycle: 05

General Service Municipal Pumping-Net Metering Cat1

Billing Status Information

1	On-peak Billing Demand	271	KW	ESTABLISHED	01/29/2020	12:30
3	65% High OP Bill Dmd June-Oct prec 11 mths	1105	KW	ESTABLISHED	09/17/2019	18:00
8	Highest Single Billing Demand	4838	KW	ESTABLISHED	01/11/2020	11:30
A	Current PV High Monthly Demand	4838	KW	ESTABLISHED	01/11/2020	11:30
B	50% of the Contract Capacity for PV	0	KW			
C	Primary Voltage Maximum Demand	4956	KW	ESTABLISHED	05/01/2019	04:30
	Contract Capacity for Location	6738	KW	ESTABLISHED	08/16/2016	05:00
	Power Factor (ratio) for all voltages	87	PCT			
	Total Number of days in the Billing Period	32	DAYS			
	Avg Kilowatthours Used Per Day This Period	2760	KWH			
	Avg Kilowatthours Used Per Day A Year Ago	1536	KWH			
	KWh percentage change from a year ago	80	PCT			
	Metered outflow	0	KWH			
	Net Delivery Billed (inflow)	88320	KWH			
	Net Inflow (In - Out)	88320	KWH			

Charges for 01/09/2020 through 02/09/2020

Power Supply Charges:

Power Supply Energy:	88,320	KWH	@ \$	0.0329700	Per Total KWH	2,911.91
Power Supply Capacity Charge	88,320	KWH	@ \$	0.0464000	Per Total KWH	4,098.05
Power Supply Non Capacity Charge						
Surcharges:	88,320	KWH	@ \$	0.0015600	Per Total KWH	137.78
Power Supply Cost Recovery Factor						7,147.74
Sub Total:						11.25

Delivery Charges:

Service Charge						11.25
Distribution:	88,320	KWH	@ \$	0.0386600	Per Total KWH	3,414.45
Distribution Energy						
Surcharges:	88,320	KWH	@ \$	0.0008270	Per Total KWH	73.04
Nuclear Surcharge	2	MTR	@ \$	37.8500000		75.70
Energy Waste Reduction	2	MTR	@ \$	0.9200000		1.84
LIEAF Factor						3,576.28
Sub Total:						2,500.00

Special Facilities Charge

13,224.02

Invoice Subtotal

0.00

Michigan State Sales Tax On Taxable Portion

\$13,224.02

Invoice Total



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/3/20
4. SET ID VP200203MUA		
5. POST DATE		

6. VENDOR NAME (Check to be issued to) DTN, LLC	7. VENDOR NUMBER V43568	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 5688713	10. Invoice Date 1/24/2020	11. Invoice Amount \$ 1,519.50
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General Ledger				Job Ledger				OPTIONAL			
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK	
A	8210166M	92113	92113		MIDDD	Acct#0322513, 11/15/19-2/14/20	\$ 759.75	GEN			
B	8210017M	92113	92113	WO18006	8 1/2 Mile Relief	Acct#0322513, 11/15/19-2/14/20	\$ 569.81	GEN		0	
C	8210072M	92113			Martin	Acct#0322513, 11/15/19-2/14/20	\$ 113.96	GEN		0	
D	8713018M	92113			SEMCWWDS	Acct#0322513, 11/15/19-2/14/20	\$ 75.98	GEN		0	
E	73										
F											
G											

23. Total: \$ **1,519.50**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Storm Sentry

25. Finance Officer: <i>JHM</i>	30. Drain: Multiple
26. Chief Deputy: <i>MS</i>	31. Project Balance: N/A
27. Engineers: <i>UD</i>	32. Staff Date: 2/11/2020
28. Managers: <i>KE</i>	33. Board Date: 3/9/2020
29. Coordinator:	34. Select For Pay Date:



DTN Did you know? Happy New Year from DTN! DTN hopes you had a successful 2019, and 2020 brings you continued success! In our efforts to always create customer delight, we are inviting you to take a closer look at our invoice messages.

New information appears each month; keeping our valued customers aware of news and products across our portfolio of services. Page one of your invoice features general information about DTN. It is a great read about what DTN provides all its customers. Page two features information related to the business marketplace you subscribe to; offering a bit of a deeper dive into the products and services DTN provides for your business.

DTN hopes you will enjoy these billing articles. Happy New Year!

Account No.	Invoice No.	Invoice Date
0322513	5688713	24-Jan-2020

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

New Charges	\$ 1,519.50
Late Fees	\$ 0.00
Total Due	\$ 1,519.50

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

Customer Service

Billing Customer Service:

888-826-4282, weatherbilling@dtn.com

Technical Support:

800-485-4000

Postal Correspondence:

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

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

Pay My Bill

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

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

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

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

T1200124.001-343-00000295

Account No.	Invoice No.	Due Date
0322513	5688713	14-Feb-2020
	Amount Due	\$ 1,519.50
Payment enclosed		



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

#BWNCKVR
 0322513

000172 000000295



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



2

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

10000000056887130000000003225131 00000151950

Account Status			
New Invoice	Due Date	Balance	Total
5688713	14-Feb-2020	\$ 1,519.50	
			\$ 1,519.50
TOTAL DUE			\$ 1,519.50

New Charges

Detailed Charges

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI
 Account Number: 0322513 UserID: MACOMB
 Email: JOSEPH.BETZ@MACOMBGOV.ORG

Service Period
 02/15/20-05/14/20 WxSentry Trans Online-Platinum \$ 954.00
SUBTOTAL \$ 954.00

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI
 Account Number: 0322513 UserID: MACOMB2
 Email: JOSEPH.BETZ@MACOMBGOV.ORG

Service Period
 02/15/20-05/14/20 WxSentry Transp Online-Std \$ 115.50
SUBTOTAL \$ 115.50

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI
 Account Number: 0322513 UserID: MACOMB3
 Email: JOSEPH.BETZ@MACOMBGOV.ORG

Service Period
 02/15/20-05/14/20 WxSentry Transp Online-Std \$ 150.00
SUBTOTAL \$ 150.00

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI

Subject to DTN Terms and Conditions

Customer's acceptance and activation of the DTN goods or services constitutes express acceptance of the Terms and Conditions, a copy of which was provided to Customer upon inception of the service. Any other terms and conditions presented by the Customer, contrary to those provided DTN, do not apply. Canceling service will result in the billing for the duration of the then-current term under the DTN Subscription Agreement.

Services Provided By:

DTN, LLC	PST
Omaha, NE 68114-3334	QC: 1216123332
Tax ID (EIN) - 20-5551424	SK: 2448102
GST: 83187 8255 RT0001	MB: 087448-1
	BC: PST-1000-7804

Payment Information

If payment is not received by the due date, late fees and/or collection charges may be assessed. Customer understands that DTN may reduce or disconnect services offered to Customer for non-payment of any charges due. Customer agrees that DTN may charge a reconnection fee in the event that service is disconnected for nonpayment. A \$25.00 USD fee will be assessed for all returned checks. For your convenience, DTN accepts the following credit cards: Master Card, VISA, Discover, and American Express.

TI200124.001-344-000000295

Electronic Payment Information:

Must reference DTN Account No. and Invoice No.

Banking Details: Remit in USD

DTN, LLC
 Account No.: 464642771
 (ACH) - ABA (Routing)#: 071000013
 (Wire) - ABA (Routing)#: 021000021
 SWIFT ID: CHASUS33

Bank Address:

(ACH) - JPMorgan Chase, Chicago, IL
 (Wire) - JPMorgan Chase, New York, NY

Weather Did you know? Worldwide, weather poses serious threats and challenges for a number of industries. Our leading decision support tools and forecast insights help ensure safe, efficient operations. In a time of increasing weather volatility, managing weather risk is becoming an even more important. From Aviation to Marine to Energy and Sports and Outdoor events our solutions and meteorologists are dedicated to your needs. Find out more about our DTN weather solutions at www.dtn.com

Account Number: 0322513 UserID: MACOMB4

Email: JOSEPH.BETZ@MACOMBGOV.ORG

Service Period

02/15/20-05/14/20 WxSentry Transp Online-Std \$ 150.00

SUBTOTAL \$ 150.00

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI

Account Number: 0322513 UserID: MACOMB5

Email: JOSEPH.BETZ@MACOMBGOV.ORG

Service Period

02/15/20-05/14/20 WxSentry Transp Online-Std \$ 150.00

SUBTOTAL \$ 150.00

Total New Charges \$ 1,519.50





ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 9-5966	3. DATE 2/10/20
4. SET ID VP200211MHA		
5. POST DATE		

PARENT RECORD INFORMATION	
5. VENDOR NAME (Check to be issued to) Fahey Schultz Burzych Rhodes	11. Invoice Amount 718.50
6. ADDR CODE 01	10. Invoice Date 2/6/2020
7. VENDOR NUMBER V43566	9. Invoice No (MAX = 16 CHARACTERS) 51320

CHILD RECORD DETAIL INFORMATION										
12. Org Key	13. Object	14. Job Ledger		15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIVISION	21. Sep CK
		Cost Center (CCNT)	Job Ledger							
A	8210017M	80139	CC0004	80139	WO18006	8 1/2 Mile Relief	RE: 8 1/2 Mile Drain, Jan 2020	\$ 718.50	GEN	
B										
C										
D										
E										
F										
G										

22. Total: \$ **718.50**

23. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

24. Finance Officer:		28. Drain: 8 1/2 Mile Relief
25. Chief Deputy:		30. Project Balance: N/A
26. Engineers:		31. Staff Date: 2/25/2020
27. Managers:		32. Board Date: 3/9/2020
28. Coordinator:		33. Select For Pay Date:

Fahey Schultz Burzych Rhodes

ATTORNEYS AT LAW FSBLAW.COM
4151 OKEMOS ROAD TEL: 517.381.0100
OKEMOS, MI 48864 USA FAX: 517.381.5051

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

February 6, 2020

Invoice # 51320

Billing Attorney: Stacy L. Hissong

For Professional Services Rendered Through: January 31, 2020

MATTER: 8.5 Mile Drain

<u>DATE</u>	<u>DESCRIPTION</u>	<u>TIMEKEEPER</u>	<u>HOURS</u>	<u>RATE</u>	<u>AMOUNT</u>
12/12/19	Telephone conference with Steve Mann	SLH	0.20	\$240.00	\$48.00
12/20/19	Phone conference	SLH	0.20	\$240.00	\$48.00
01/08/20	Telephone conference with Steve Mann	SLH	0.20	\$240.00	\$48.00
01/12/20	Legal research re: timeline; correspondence to bond counsel	SLH	0.40	\$240.00	\$96.00
01/14/20	Telephone conference with Macomb County; telephone conference with bond counsel	SLH	0.20	\$240.00	\$48.00
01/16/20	Correspondence re: intent to file petition and resolution.	SLH	0.20	\$240.00	\$48.00
	Correspond w/ SLH; Draft Notice of Intent & Resolution	CDH	1.00	\$175.00	\$175.00
01/17/20	Review/revise intent and resolution; correspondence to Steve Mann	SLH	0.30	\$240.00	\$72.00
01/20/20	Correspondence with bond counsel and client re: intent to file and resolution	SLH	0.20	\$240.00	\$48.00
01/23/20	Draft Petitions	CDH	0.50	\$175.00	\$87.50
	Totals				\$718.50
	Total Fee & Disbursements				\$718.50
	Balance Forward <i>(Please disregard if already paid)</i>				\$0.00
	Balance Due				\$718.50

PLEASE REMIT PAYMENT TO
FAHEY SCHULTZ BURZYCH RHODES PLC, 4151 OKEMOS ROAD, OKEMOS, MI 48864



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	1/31/19
4. SET ID		
5. POST DATE		
VP200131MA		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)
Fire Equipment Company, Inc.	V27220	02	114839
			10. Invoice Date
			1/10/2020
			11. Invoice Amount
			\$ 540.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger			16. Work Order Number	OPTIONAL		18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)		15. Object	17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	93001	CC0004	93001	WO18006	8 1/2 Mile Relief	Annual System Inspection	\$ 540.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 540.00

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: brm

26. Chief Deputy: AS

27. Engineers: UA

28. Managers: kk

29. Coordinator: kk

30. Drain: 8 1/2 Mile Relief

31. Project Balance: N/A

32. Staff Date: 2/11/2020

33. Board Date: 3/9/2020

34. Select For Pay Date:



PHONE: (313) 891-3164 (810) 238-3349
 FAX: (313) 369-2533



INVOICE

Bill To
Macomb County Public Works Attn: Accounts Payable 23001 E. 9 Mile Rd St. Clair Shores, MI 48080

Ship To
Chapaton Pumping Station 23001 E. 9 Mile Rd St. Clair Shores, MI 48080

Date	Invoice #	P.O. Number	Terms	Due Date	Project
1/10/20	114839		Net 30	2/9/20	

Quantity	Description	Price Each	Amount
1	B1, B2, and Garage Annual System Inspection - Performed annual inspection on fire alarm system. All devices functioned at the time of the inspection. The panel was normal. Michigan Sales Tax	540.00	540.00
		6.00%	0.00
Total			\$540.00

Chapaton

To ensure proper credit to your account, please return bottom portion with your payment.

Macomb County Public Works Attn: Accounts Payable 23001 E. 9 Mile Rd St. Clair Shores, MI 48080
--

Invoice #
114839

Amount
\$540.00
Please Send Your Payment To: 2991 Momentum Place Chicago, IL 60689-5329



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/10/20
4. SET ID VP2002-11MA		
5. POST DATE		

PARENT RECORD INFORMATION	
6. VENDOR NAME (Check to be issued to) Fishbeck	7. VENDOR NUMBER V44063
8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 389450
10. Invoice Date 2/3/2020	11. Invoice Amount 2,114.75

CHILD RECORD DETAIL INFORMATION											
12. Org Key	13. Object	14. Job Ledger Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	OPTIONAL				21. MISC	22. Sep CK
						18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV			
1	8210017M	80138	80138	WO19005	8 1/2 Mile Relief	Pjt #190051 through 1/24/20	\$	397.50	GEN		
3	8210017M	80138	80138	WO19104	8 1/2 Mile Relief	Pjt #190051 (Task 1A) through 1/24/20	\$	1,262.25	GEN		0
2	8210017M	80138	80138	WO19105	8 1/2 Mile Relief	Pjt #190051 (Task 1B) through 1/24/20	\$	455.00	GEN		0
D											
E											
F											
G											

23. Total: \$ **2,114.75**

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

25. Finance Officer: <i>[Signature]</i>	30. Drain: 8 1/2 Mile Relief
26. Chief Deputy: <i>[Signature]</i>	31. Project Balance: \$123,178.33
27. Engineers: <i>[Signature]</i>	32. Staff Date: 2/25/2020
28. Managers: <i>[Signature]</i>	33. Board Date: 3/9/2020
29. Coordinator: <i>[Signature]</i>	34. Select For Pay Date:

1.A - Task 1a - Chapaton Structural Study

Rate Labor

<u>Class</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Production Support	1.00	74.0000	74.00
Senior Engineer	1.00	175.0000	175.00
Total Rate Labor			249.00

Expenses

Account / Vendor

Subconsultant

<u>Account / Vendor</u>	<u>Cost</u>	<u>Multiplier</u>	<u>Amount</u>
NTH Consultants Ltd	965.00	1.05	1,013.25
Total Expenses			1,013.25

Total Bill Task: 1.A - Task 1a - Chapaton Structural Study

1,262.25

1.B - Task 1b - 9 Mile Pipe Repair (WO19105)

Rate Labor

<u>Class</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Senior Engineer	1.00	164.0000	164.00
	1.00	175.0000	175.00
Total Senior Engineer	2.00		339.00
Staff Engineer	1.00	116.0000	116.00
Total Rate Labor			455.00

Total Bill Task: 1.B - Task 1b - 9 Mile Pipe Repair (WO19105)

455.00

EN2 - Environmental - Task 2

Rate Labor

<u>Class</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Senior Industrial Hygienist	2.50	159.0000	397.50
Total Rate Labor			397.50

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

2,114.75

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

WORK ORDER NUMBER WO19005

PROJECT NUMBER WWS-2019-001

PROJECT NAME As-Needed General Engineering Services

DRAINAGE DISTRICT Eight and One-Half Mile Relief Drain Drainage District

CONSULTANT NAME Fishbeck

INVOICE DATE 1/31/2020

INVOICE START DATE 12/28/2019

INVOICE END DATE 1/24/2020

ORIGINAL CONTRACT AMOUNT	\$	151,919.00
CHANGE ORDER TOTAL		
	\$	75,000.00
Change Order No. 1	\$	75,000.00
Change Order No. 2		
Change Order No. 3		
Change Order No. 4		
TOTAL REVISED CONTRACT AMOUNT	\$	226,919.00
(includes all approved change orders only)		
TOTAL AMOUNT PREVIOUSLY INVOICED	\$	101,625.92
TOTAL AMOUNT DUE THIS INVOICE	\$	2,114.75
TOTAL BUDGET REMAINING	\$	123,178.33
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)		



Payment Options

Remit Wire/ACH payments to Acct: 100094457 ABA: 072413829
 Remit checks to: 1515 Arboretum Drive, SE, Grand Rapids, Michigan 49546
 Remittance Advice: accounts.receivable@fishbeck.com
 616.575.3824
 Federal I.D. No. 38-1841857 | Incorporated

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

Invoice : 389347
Invoice Date : 2/3/2020
Project : 191498
Project Name : Macomb Co PW/Chapaton Bldg
 Renovation
Bill Term : 1

For Professional Services Rendered Through 1/24/2020

WO19082 WWS-2019-016

Fee	% Complete	Billings		
		To Date	Previous	Current
86,000.00	93.74	80,620.68	70,443.63	10,177.05
				Current Billings 10,177.05
				Amount Due This Bill 10,177.05

Rate Labor Class	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Clerical/Production Support	4.00	70.0000	280.00
Engineer	13.50	130.0000	1,755.00
Senior Architect	30.00	155.0000	4,650.00
Senior Engineer	6.00	164.0000	984.00
Technician	26.50	94.0000	2,491.00
Total Rate Labor			10,160.00

Expenses Account / Vendor	<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>
Postage			
Worldwide Express	15.50	1.10	17.05
Total Expenses			17.05

Total Bill Task: 191498 - Macomb Co PW/Chapaton Bldg Renovation **10,177.05**

Total Project: 191498 - Macomb Co PW/Chapaton Bldg Renovation **10,177.05**



Mark A. Hackett
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/10/20
4. SET ID VP 200211MA		
5. POST DATE		

6. VENDOR NAME (Check to be issued to) Kienbaum Hardy Viviano Pelton & Forrest PLC		7. VENDOR NUMBER V69063	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 43870	10. Invoice Date 2/10/2020	11. Invoice Amount \$ 3,735.00
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General Ledger			Job Ledger		OPTIONAL			19. Amount	20. DIV	21. MISC	22 Sep CK
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)					
A	8210017M	80139	80139	WO18006	8 1/2 Mile Relief	Re: 1245-008/Jan 2020	\$	3,735.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **3,735.00**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: *SA* 30. Drain: 8 1/2 Mile Relief

26. Chief Deputy: *LB* 31. Project Balance: N/A

27. Engineers: _____ 32. Staff Date: 2/25/2020

28. Managers: *PL* 33. Board Date: 3/9/2020

29. Coordinator: _____ 34. Select For Pay Date: _____

Rate Summary

Katie M. Hoffman	15.60 hours at \$225.00/hr	3,510.00
Gary D. Reeves	1.00 hours at \$225.00/hr	225.00
Total hours:	<u>16.60</u>	

Total Current Billing:	<u>\$3,735.00</u>
Previous Balance Due:	\$787.50
Total Now Due:	\$4,522.50



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/10/20
4. SET ID VP 200211MA		5. POST DATE

6. VENDOR NAME (Check to be issued to) Kienbaum Hardy Viviano Pelton & Forrest PLC		7. VENDOR NUMBER V69063		8. ADDR CODE 01		9. Invoice No (MAX = 16 CHARACTERS) 43858		10. Invoice Date 2/10/2020		11. Invoice Amount \$ 2,272.50	
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CHILD RECORD DETAIL INFORMATION																	
General Ledger		Job Ledger		OPTIONAL		17. Secondary Reference (MAX = 16 CHARACTERS)		18. Description (MAX = 30 CHARACTERS)		19. Amount		20. DIV		21. MISC		22. Sep CK	
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number													
A	8210017M	80139	80139	WO19094	8 1/2 Mile Relief		Re: 1351-001/Jan 2020		\$ 2,272.50		GEN						
B																	
C																	
D																	
E																	
F																	
G																	

23. Total: \$ **2,272.50** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: *DA* 30. Drain: 8 1/2 Mile Relief

26. Chief Deputy: *AB* 31. Project Balance: N/A

27. Engineers: _____ 32. Staff Date: 2/25/2020

28. Managers: _____ 33. Board Date: 3/9/2020

29. Coordinator: *JK* 34. Select For Pay Date: _____

Kienbaum Hardy Viviano Pelton & Forrest, PLC

Suite 400
280 N Old Woodward
Birmingham MI 48009
Phone No.: (248) 645-0000
Fax: (248) 645-1385
Federal Tax ID: 38-3347787

Statement as of 2/10/2020
Statement no 43858

8.5 Mile Relief Drain Drainage District

**21777 Dunham Rd
Clinton Twp MI 48036**

1351-001 / City of St. Clair Shores

Professional Fees			Hours	Rate	Amount
01/02/2020	JEV	Review transcript of EGLE call.	0.20	225.00	45.00
01/07/2020	JEV	Telephone conference with Mr. Baker and Mr. Astorino re Chapaton issue; legal research re environmental permitting process.	2.30	225.00	517.50
01/15/2020	JEV	Attendance at strategy meeting at MCPWO; telephone discussions with Mr. Chester re possible representation.	2.40	225.00	540.00
01/16/2020	JEV	Telephone discussion with Mr. Baker, Mr. Astorino, and Mr. Chester re background and preparation for EGLE meeting.	0.30	225.00	67.50
01/17/2020	JEV	Attendance at EGLE meeting in Warren office.	3.00	225.00	675.00
01/22/2020	JEV	Participation in conference call re Chapaton legal strategy.	1.30	225.00	292.50
01/23/2020	JEV	Telephone conference with Mr. Baker and Mr. Chester re environmental review commissions.	0.60	225.00	135.00
Sub-total Fees:					<u>\$2,272.50</u>

Rate Summary

Joseph E. Viviano	10.10 hours at \$225.00/hr	2,272.50
Total hours:	<u>10.10</u>	

Payments

01/22/2020	Payment	Thank you	22.50
Sub-total Payments:			<u>\$22.50</u>

Total Current Billing:	\$2,272.50
Previous Balance Due:	\$22.50
Total Payments:	(\$22.50)

Total Now Due:

\$2,272.50



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/3/20
4. SET ID VP200131MA		
5. POST DATE		

6. VENDOR NAME (Check to be issued to) MEI Construction LLC	7. VENDOR NUMBER V71752	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 20-056	10. Invoice Date 1/31/2020	11. Invoice Amount \$ 25,150.00
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General Ledger			Job Ledger			OPTIONAL			20. DIV	21. MISC	22. Sep CK
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount				
A	8210017M	92900	92900	WO19097	8 1/2 Mile Relief	Install 10' commercial chain link fence/gates	\$ 25,150.00	GEN			
B											
C											
D											
E											
F											
G											

REV 09/2018

23. Total: \$ 25,150.00

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Install 10' tall black commercial chain link fence with black privacy slats and 4 gates.

25. Finance Officer: *btm*

26. Chief Deputy: *ps*

27. Engineers:

28. Managers: *UA*

29. Coordinator: *kk*

30. Drain: 8 1/2 Mile Relief

31. Project Balance: N/A

32. Staff Date: 2/11/2020

33. Board Date: 3/9/2020

34. Select For Pay Date:

20.056

W019097
V71752

INVOICE

Date: January 31, 2020



M.E.I. Construction LLC
77715 Hipp Rd
Bruce Twp. MI 48065
(586) 615 - 8154
meiconstruction16@gmail.com

TO: Chapaton Pump Station
23001 E 9 Mile Rd
St. Clair Shores, MI

JOB LOCATION	DESCRIPTION	TOTAL JOB AMOUNT	AMOUNT DUE
23001 E 9 Mile Rd, SCS MI	Install 10' tall black commercial chain link fence with black privacy slats. Install one gate per pen. (4 pens total)	\$25,150	\$25,150
		TOTAL DUE	\$25,150

Chapaton

Thank you for your business!



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/19/20
4. SET ID		
5. POST DATE		

V200219MA

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) Miller, Canfield, Paddock & Stone	7. VENDOR NUMBER V22557	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 1470083
10. Invoice Date 2/11/2020			11. Invoice Amount 4,905.00

CHILD RECORD DETAIL INFORMATION									
General Ledger			Job Ledger		OPTIONAL				
Line	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV
A	8210017M	80139	CC0004	80139	WO19004	8 1/2 Mile Relief	Matter #159152/00001 thru 1/31/20	\$ 4,905.00	GEN
B									
C									
D									
E									
F									
G									

REV 09/2016

23. Total: \$ **4,905.00**

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Chapaton Pump Station, Sewer Overflow Project

26. Finance Officer:	<u>Benn</u>	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:	<u>MB</u>	31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	2/25/2020
28. Managers:		33. Board Date:	3/9/2020
29. Coordinator:		34. Select For Pay Date:	

8 1/2 Mile Relief

V22557
(01)

MILLER, CANFIELD, PADDOCK AND STONE, P.L.C.
A Professional Limited Liability Company
150 West Jefferson, Suite 2500
Detroit, Michigan 48226
(313) 963-6420
Taxpayer I.D. No. 38-0836500

Attorney-Client/Attorney Work Product Privileged

Please reference **Invoice #1470083**
when remitting payment.

8 1/2 Mile Relief Drain Drainage Distric
21777 Dunham Road
Macomb County Public Works Office
Clinton Township, MI 48036

February 11, 2020

For professional services rendered through
January 31, 2020 in connection with the following—

Re: Chapatan Pump Station, Sewer Overflow Project
Client/Matter #159152/00001
Billing Attorney: Steven E Chester

FEES BILLED THIS INVOICE	\$ 4,905.00
COSTS BILLED THIS INVOICE	\$ 0.00
TOTAL AMOUNT DUE	\$ 4,905.00

PAYMENT OPTIONS:

CHECK Payable To: Miller, Canfield, Paddock and Stone
P. O. Drawer 640348 Detroit, MI 48264-0348

US WIRE TRANSFER Comerica Bank ABA#: 072000096
Swift Code: MNBDUS33 (for international wires only)
Account: 1840-09284-3

If wiring funds, please send payment information to accounting@millercanfield.com
To confirm wire information contact our Treasury Manager at (313) 496-8432

MILLER, CANFIELD, PADDOCK AND STONE, P.L.C.

A Professional Limited Liability Company

150 West Jefferson, Suite 2500

Detroit, Michigan 48226

(313) 963-6420

Taxpayer I.D. No. 38-0836500

Attorney-Client/Attorney Work Product Privileged

Please reference **Invoice #1470083**
when remitting payment:

8 1/2 Mile Relief Drain Drainage Distric
21777 Dunham Road
Macomb County Public Works Office
Clinton Township, MI 48036

February 11, 2020

For professional services rendered through
January 31, 2020 in connection with the following—

Re: Chapatan Pump Station, Sewer Overflow Project
Client/Matter #159152/00001
Billing Attorney: Steven E Chester

FEES

<u>Date</u>	<u>Timekeeper/Description</u>	<u>Hours</u>	<u>Amount</u>
01/16/20	<i>Steven Chester</i> Discussions with Brian Baker and other MCPWO staff regarding the Chapaton project and Friday meeting with EGLE. Begin review of documents provided by MCPWO.	2.00	900.00
01/17/20	<i>Steven Chester</i> Attend and participate in meeting with EGLE regarding proposed Chapaton Project; discussion with client regarding meeting and next steps.	4.00	1,800.00
01/20/20	<i>Steven Chester</i> Review of permit and project materials and documents received from client; review EGLE CSO documents.	1.20	540.00
01/21/20	<i>Steven Chester</i> Review document on Chapaton Upgrade project; review Part 31 and federal law on NPDES permit requirements. Prepare notes for Conference call with client.	1.50	675.00

MILLER, CANFIELD, PADDOCK AND STONE, P.L.C.
Attorney-Client/Attorney Work Product Privileged

February 11, 2020

Invoice # 1470083

Date	Timekeeper/Description	Hours	Amount
01/22/20	<i>Steven Chester</i> Conference call with client to discuss EGLE comments on permit application and project details. review timelines for action on permit applications, and new requirements applicable to the Environmental Permit Review Commission; compose and send email communication to client.	1.50	675.00
01/23/20	<i>Steven Chester</i> Conference call with Attorney Viviano and Brian Baker on the Environmental Permit Review Commission.	0.70	315.00
FEES DUE THIS MATTER.....			\$ 4,905.00
TOTAL DUE FOR INVOICE #1470083.....			\$ 4,905.00



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 1/27/20
4. SET ID VP200127MA		
5. POST DATE		

PARENT RECORD INFORMATION				
6. VENDOR NAME (Check to be issued to) Motion & Control Enterprises, LLC	7. VENDOR NUMBER V71672	8. ADDR CODE 01	9. Invoice No. (MAX = 16 CHARACTERS) Y25279-001	10. Invoice Date 1/20/2020
				11. Invoice Amount \$ 545.45

CHILD RECORD DETAIL INFORMATION										
Line	General Ledger		Job Ledger		16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object						
A	8210017M	93002	CC0004	93002	WO18006	8 1/2 Mile Relief	Cust #M3425, Hydraulic Gates	\$ 545.45	GEN	
B										
C										
D										
E										
F										
G										

23. Total: \$ **545.45**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u><i>BHM</i></u>	30. Drain: <u>8 1/2 Mile Relief</u>
26. Chief Deputy: <u><i>MS</i></u>	31. Project Balance: <u>N/A</u>
27. Engineers: <u><i>UA</i></u>	32. Staff Date: <u>2-11-20</u>
28. Managers: <u><i>KL</i></u>	33. Board Date: <u>3-9-20</u>
29. Coordinator: _____	34. Select For Pay Date: _____

RITTERTECH

a division of MCE

MAIL REMITTANCE TO:
MOTION & CONTROL ENTERPRISES LLC
P.O. BOX 775888
CHICAGO, IL 60677-5888

INVOICE

ENTERING OFFICE:

Customer PO No. VERBAL CHRIS

RITTERTECH-MI
18855 E 14 MILE ROAD
CLINTON TWP MI 48035

INVOICE NUMBER Y25279-001	TRAN CODE DI
INVOICE DATE 01/20/20	PAGE 1

SALES TERMS found @ www.mceautomation.com Any different or additional terms that may be embodied in your purchase order are hereby objected to. If your order is not an acceptance of our proposal, this will operate as an acceptance of your order only in the event you agree to the terms hereof. The terms and conditions contained above and attached shall apply.

LINE NO.	QUANTITY			PART NUMBER DESCRIPTION	UNIT OF MEASURE PRODUCT	UNIT PRICE DISCOUNT %	EXTENDED AMOUNT
	TOTAL ORDERED	BACK ORDERED	THIS SHIPMENT				
10	1		1	<p>www.mceautomation.com</p> <p>!!!PLEASE NOTE OUR NEW REMITTANCE ADDRESS!!!</p> <p>MOTION & CONTROL ENTERPRISES LLC P.O. BOX 775888 CHICAGO, IL 60677-5888</p> <p>BUYER NAME: CHRIS</p> <p>500084 TROUBLESHOOT 671 EA TROUBLESHOOT LEAK IN "A" SYSTEM WORK DONE ON 01/17/20</p> <p>INBOUND FRT IS: .00</p> <p><i>Chapaton Hydraulic Gates</i></p>		545.4545	545.45

CUST. NO. M3425	ORDER DATE 01/20/20	TERR \$T	PC 05	ORD S	Written By KAH	DATE SHIPPED 01/20/20	WHSE 05
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AMOUNT	545.45
FRGHT/INS/HNDL	.00
SALES TAX	.00
INVOICE TOTAL	545.45

Please Pay This Amount

Carrier: ON SITE FOB: SP,PREPD&ADDED

ORIGINAL INVOICE

Terms of Payment:
NET 30 DAYS
NO RETURNS WITHOUT PRIOR AUTHORIZATION.
BACKORDERED ITEMS MAY NOT BE ON INVOICE.
QUOTED PRICES VALID FOR 30 DAYS...

ORDER ISSUED IN: CLINTON TWP
PHONE: 586-554-7470

S
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T
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MACOMB COUNTY D.P.W.
23001 E 9 MILE ROAD
ST CLAIR SHORES MI 48080

S
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MACOMB COUNTY D.P.W.
23001 E. 9 MILE ROAD
ST CLAIR SHRS MI 48080



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/12/20
4. SET ID VP200213MA		
5. POST DATE		

6. VENDOR NAME (Check to be issued to) Pneumatic Technology, Inc.		7. VENDOR NUMBER V66666	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 1075325	10. Invoice Date 2/5/2020	11. Invoice Amount \$ 1,765.32
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General Ledger			Job Ledger		OPTIONAL			CHILD RECORD DETAIL INFORMATION	
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC
A	8210017M	93002	93002	WO18006	8 1/2 Mile Relief	Customer ID: 11567; Order 1081838	\$ 1,765.32	GEN	
B									
C									
D									
E									
F									
G									

23. Total: \$ **1,765.32**

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Hydraulic lines

25. Finance Officer:	<i>bhm</i>	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:	<i>g3</i>	31. Project Balance:	\$1,765.32
27. Engineers:		32. Staff Date:	2/25/2020
28. Managers:	<i>uo</i>	33. Board Date:	3/9/2020
29. Coordinator:	<i>lck</i>	34. Select For Pay Date:	

V66666 (01)

INVOICE

Pneumatic Technology, Inc.
Branch: 01 Pneumatic Technology, Inc.
 30447 Edison Drive
 Roseville, MI 48066
 USA

INVOICE	
1075325	
Invoice Date	Page
2/5/2020 15:47:23	1 of 1
ORDER NUMBER	
1081838	

586-776-1480

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

Ship To:
 Macomb County Public Works
 23001 E. Nine Mile Road
 Attn: Kris Benda
 St. Clair Shores, MI 48080
 USA

Customer ID: 11567

PO Number		Term Description	Net Due Date	Disc Due Date	Discount Amount	
VBL-KRIS BENDA		Net 30 Days	3/6/2020	3/6/2020	0.00	
Order Date	Pick Ticket No	Primary Salesrep Name		Taker		
1/16/2020 13:17:40	1098032	Macomb County		GBRADLEY		
Quantities			Item ID	Pricing UOM	Unit Price	Extended Price
Ordered	Shipped	Remaining	Item Description	Unit Size		
2.0000	2.0000	0.0000	THA-4732-138-B160-H500-89-A120 4-WAY 2-POS SOL-PILOT SPR. RET VLV, 1" W/ HAND LEVER-OFFSET, W/ B160 COMBINATION (3,HC,S OPTIONS), W/ H500 HIGH PRESSURE SOL, W/ 89 PLUNGER END SQUEEZE ON O-RINGS, 120VAC COIL	EA	871.5000	1,743.00

Carrier: UPS-GROUND Tracking #: 1Z4224280359791723

Total Lines: 1
 Total Freight In: 0.00

Total Freight Out: 22.32

SUB-TOTAL: 1,743.00
TOTAL FREIGHT: 22.32
TAX: 0.00
AMOUNT DUE: 1,765.32
 U.S. Dollars

Chapaton hydraulic lines

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

WORK ORDER NUMBER WO19085

PROJECT NUMBER WWS-2019-003 (Tetra Tech# 200-16347-19001)

PROJECT NAME In-System Storage Devices

DRAINAGE DISTRICT Eight and One-Half Mile Relief Drain Drainage District

CONSULTANT NAME Tetra Tech of Michigan

INVOICE DATE 1/31/2020 (Invoice 51548755)

INVOICE START DATE 12/28/2019

INVOICE END DATE 1/24/2020

ORIGINAL CONTRACT AMOUNT	\$ 481,098.00
CHANGE ORDER TOTAL	\$ -
Change Order No. 1	
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 481,098.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 264,651.26
TOTAL AMOUNT DUE THIS INVOICE	\$ 25,087.35
TOTAL BUDGET REMAINING	\$ 191,359.39
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



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

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

INVOICE NUMBER: 51548755
INVOICE DATE: 01/31/2020
SERVICES THROUGH: 01/24/2020
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

ESA dated 10 July 2019
 Client Contact: Vince Astorino. Email vincent.astorino@macombgov.org

PROFESSIONAL SERVICES:

Project Number	200-16347-19001	In-System Storage Devices			
Top Task	01AS	Project Management Subcontractors			
SUBCONTRACTOR	TYPE				CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External				\$822.50
TOTAL SUBCONTRACTOR CHARGES					\$822.50
SUBTOTAL					\$822.50
Total Top Task# 01AS					\$822.50
Top Task	01BS	Infrastructure Survey Subcontractors			
SUBCONTRACTOR	TYPE				CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External				\$2,258.85
TOTAL SUBCONTRACTOR CHARGES					\$2,258.85
SUBTOTAL					\$2,258.85
Total Top Task# 01BS					\$2,258.85
Top Task	01CS	Utility Survey Subcontractors			
SUBCONTRACTOR	TYPE				CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External				\$3,686.00
TOTAL SUBCONTRACTOR CHARGES					\$3,686.00
SUBTOTAL					\$3,686.00
Total Top Task# 01CS					\$3,686.00
Top Task	01D	Basis of Design	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
EMPLOYEE	TITLE				
Fortier, Véronique	Sr Modeler		0.25	\$210.00	\$52.50
Geerlings, Eric P.	Project Engineer 1		48.50	\$155.00	\$7,517.50
Irgang, Laura M.	Project Engineer 1		4.50	\$155.00	\$697.50
Kaliman, Roger G.	Sr Engineer 1		2.00	\$180.00	\$360.00
Lopez Lopez, Daniela S.	Engineer 3		4.00	\$125.00	\$500.00
Robitaille, Luc	Engineer 3		4.00	\$250.00	\$1,000.00
Rubel, Brian M.	Program Manager		14.00	\$225.00	\$3,150.00

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

INVOICE NUMBER: 51548755
INVOICE DATE: 01/31/2020
SERVICES THROUGH: 01/24/2020
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Tao, Qing D.	Sr Project Manager	1.00	\$250.00	\$250.00
Voss, Justin D.	Project Engineer 1	18.50	\$155.00	\$2,867.50
TOTAL LABOR		96.75		\$16,395.00
		SUBTOTAL		\$16,395.00
		Total Top Task# 01D		\$16,395.00

Top Task	01DS	Basis of Design Subcontractors	CURRENT AMOUNT
SUBCONTRACTOR		TYPE	
FISHBECK THOMPSON CARR & HUBER INC		Subcontractor-External	\$1,925.00
TOTAL SUBCONTRACTOR CHARGES			\$1,925.00
		SUBTOTAL	\$1,925.00
		Total Top Task# 01DS	\$1,925.00
		Total Project# 200-16347-19001	\$25,087.35

TOTAL AMOUNT DUE THIS INVOICE: \$25,087.35

Gross Contract Summary	
Contract Amount	\$481,098.00
Previously Billed	\$264,651.26
Current Billing	\$25,087.35
Total Billed to Date	\$289,738.61
Contract Balance Remaining	\$191,359.39

REMIT PAYMENT TO:

TETRA TECH, INC.
PO BOX 911967
DENVER, CO 80291-1967

To ensure accurate posting, please note the invoice number on your check. Interest will be charged on all past-due amounts per contract terms and conditions.

Project: 190884 - Macomb Co PW/In-system Storage

1.A - Task 1A - 8.5 Mile Project Management

Rate Labor Class	Hours	Rate	Amount
	0.50	70.0000	35.00
Production Support		175.0000	787.50
Senior Engineer	4.50		
Total Rate Labor			822.50

Total Bill Task: 1.A - Task 1A - 8.5 Mile Project Management

1.B - Task 1B - 8.5 Mile Infrastructure Survey

Rate Labor Class	Hours	Rate	Amount
	10.50	110.0000	1,155.00
Engineer		73.0000	949.00
Staff Technician	13.00		
Total Rate Labor			2,104.00

Unit Rate Expenses

Account / Unit	Quantity	Rate	Amount
Company Vehicle Use	163.00	0.9500	154.85
Mileage - Company Vehicle			154.85
Total Unit Rate Expenses			2,258.85

Total Bill Task: 1.B - Task 1B - 8.5 Mile Infrastructure Survey

1.C - Task 1C - 8.5 Mile Utility Survey

Rate Labor Class	Hours	Rate	Amount
	2.00	137.0000	274.00
Senior Engineer		130.0000	3,120.00
Senior Surveyor	24.00	73.0000	292.00
Staff Technician	4.00		
Total Rate Labor			3,686.00

Total Bill Task: 1.C - Task 1C - 8.5 Mile Utility Survey

1.D - Task 1D - 8.5 Mile BOD

Rate Labor Class	Hours	Rate	Amount
	17.50	110.0000	1,925.00
Engineer			
Total Rate Labor			1,925.00

Total Project: 190884 - Macomb Co PW/In-system Storage

8,692.35



TETRA TECH

710 Avis Drive, Ann Arbor, MI 48108
Telephone: 734.665.6000
Fax: 734.665.2570

PROJECT STATUS COMMUNICATION

DATE: February 3, 2020

PREPARED BY: Brian Rubel / Eric Geerlings

PROJECT: Macomb Co. In-System Storage Devices

Tt PROJECT NO: 200-16347-19001 CONTACT: Mr. Vince Astorino
(INVOICE 51548755)

Tasks completed or in-progress since last status communication.

Updates thru January 24th:

- Provided estimates of expected storage volume at both Welsh Park and Beaconsfield sites assuming inflatable dams only fill to crown.
- Design storm hydraulics were estimated for structure options with inflatable dams set on short weirs (both circular and rectangular dams).
- Developed a Welsh Park structure design that uses a circular inflatable dam to minimize headloss. Conceptual cost was also provided.
- Completed transient analysis, which included scenarios with dual in-line inflatable dams at Beaconsfield and Welsh Park.
- On January 16th, a final draft of the boundary survey of the Welsh Family Park site was completed.
- On January 22nd, a final draft of the geotechnical report for the two soil borings at Welsh Family Park was completed.
- On January 23rd, Tetra Tech held a face to face monthly meeting with MCPWO to review storage structure headloss and system hydraulics.

Opportunities for cost avoidance or added value.

Impediments, roadblocks, assistance needed.

Tetra Tech anticipates receiving detailed design information from MCPWO for the Chapalon Pump Station project. The expected modifications to pump setpoint levels are relevant to SWMM modeling of storm events and Real Time Control (RTC) schemes. Additional information about MCPWO instrumentation preferences are anticipated whenever decisions are made for other ongoing MCPWO projects.

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

The Nine Mile portion of the study was dropped and may cause inefficiencies in completing the 8.5 Mile study. Tetra Tech will monitor this as the study proceeds.

Schedule:

February 18th is the next scheduled Progress Meeting. Coordination with EGLE regarding the scope of the project is still on hold until MCPWO provides further guidance.

Next task or action items.

1. Complete Community Enhancement sketches for both Welsh and Beaconsfield.
2. Complete Control Structure Selection after refining layout based on feedback from inflatable dam manufacturers.
3. Complete RTC Analysis.
4. Complete Risk Analysis and include in the Basis of Design Report.
5. Include Transient Evaluation findings in the Basis of Design Report. This includes the topic of venting.
6. Complete Feasibility Analysis.
7. Initiate Animated 3D Model.

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

Brian Rubel Phone: (734) 213-4081 Email: Brian.Rubel@tetratech.com
Project Manager

W019073

MACOMB COUNTY PUBLIC WORKS OFFICE ENGINEERING INVOICE COVER SHEET	
WORK ORDER NUMBER	
PROJECT NUMBER	
PROJECT NAME	Chapaton RTB Disinfection Improvements
DRAINAGE DISTRICT	Eight and One-Half Mile
CONSULTANT NAME	Wade Trim Associates, Inc.
INVOICE DATE	1/31/2020
INVOICE START DATE	1/16/2020
INVOICE END DATE	1/24/2020
ORIGINAL CONTRACT AMOUNT	\$ 107,780.00
CHANGE ORDER TOTAL	\$ -
Change Order No. 1	
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 107,780.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ -
TOTAL AMOUNT DUE THIS INVOICE	\$ 3,405.00
TOTAL BUDGET REMAINING	\$ 104,375.00
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



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INVOICE

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

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

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

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

Invoice : 2017088
Invoice Date : 1/31/2020
Project : MCW200601T
Project Name : Chapaton RTB Disinfection
Improvements

For Professional Services Rendered Through 1/24/2020

		Billings			
	Fee	Available	To Date	Previous	Current
<i>Rate Labor</i>	3,405.00	107,780.00	3,405.00	0.00	3,405.00
					Current Billings
					<u>3,405.00</u>
					Amount Due This Bill
					<u>3,405.00</u>
Total Fee :		107,780.00			
To Date Billings :		<u>3,405.00</u>			
Total Remaining :		104,375.00			

100 - Project Management

Rate Labor

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Engineer I				
Jason Obrycki-Smith	1/20/2020	0.25	90.0000	22.50
	1/23/2020	0.25	90.0000	22.50
	1/24/2020	1.00	90.0000	90.00
Total Engineer I		1.50		135.00
Project Aide III				
Melanie A Phillips	1/17/2020	0.50	125.0000	62.50
Senior Professional				
John Arvai	1/17/2020	1.50	260.0000	390.00
	1/20/2020	1.00	260.0000	260.00
	1/21/2020	0.25	260.0000	65.00
	1/23/2020	1.50	260.0000	390.00
	1/24/2020	1.50	260.0000	390.00
Total Senior Professional		5.75		1,495.00
Total Rate Labor				1,692.50
Total Bill Task: 100 - Project Management				1,692.50

200 - Basis of Design

Rate Labor

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Senior Professional				
Jeffrey W Reynhout	1/24/2020	2.50	260.0000	650.00
Total Rate Labor				650.00

300 - 60% Design

Rate Labor

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Project Aide III				
John K Golden	1/17/2020	5.00	125.0000	625.00
	1/20/2020	0.50	125.0000	62.50
	1/23/2020	3.00	125.0000	375.00
Total Project Aide III		8.50		1,062.50
Total Rate Labor				1,062.50
Total Bill Task: 300 - 60% Design				1,062.50

Total Project: MCW200601T - Chapaton RTB Disinfection Improvements

3,405.00

Work Description:

Project management and coordination of design activities, staff and team meetings. Project Kick Off meeting held with MCPWO on January 24, 2020. Performed site visit with MCPWO staff. Commenced work on BOD as well as 60% design drawings.



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/3/20
4. SET ID VP200131MA		
5. POST DATE		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to) Wade Trim	7. VENDOR NUMBER V09446	8. ADDR CODE 02	9. Invoice No (MAX = 16 CHARACTERS) 2017103	10. Invoice Date 1/31/2020	11. Invoice Amount \$ 96,050.13
--	-----------------------------------	---------------------------	---	--------------------------------------	---

CHILD RECORD DETAIL INFORMATION

General Ledger		Job Ledger		OPTIONAL			
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	15. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount
A	8210017C	80138	80138	WO19004	8 1/2 Mile Relief	Pjt #MCW200501T, 12/21-1/24	\$ 96,050.13
B							
C							
D							
E							
F							
G							

REV 09/2018

23. Total: \$ 96,050.13

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Chapaton RTB Canal Upgrades

25. Finance Officer: BHM

26. Chief Deputy: AB

27. Engineers: WJ

28. Managers: KL

29. Coordinator: KL

30. Drain: 8 1/2 Mile Relief

31. Project Balance: \$427,295.56 (Grant Balance: \$2,039,421.56)

32. Staff Date: 2/11/2020

33. Board Date: 3/9/2020

34. Select For Pay Date:

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

WORK ORDER NUMBER	19004
PROJECT NUMBER	WWS-2019-002
PROJECT NAME	Chapaton RTB Canal Upgrades
DRAINAGE DISTRICT	Eight and One-Half Mile
CONSULTANT NAME	Wade Trim Associates, Inc.
INVOICE DATE	1/31/2020
INVOICE START DATE	12/21/2019
INVOICE END DATE	1/24/2020
ORIGINAL CONTRACT AMOUNT	\$ 977,611.00
CHANGE ORDER TOTAL	\$ 410,263.00
Change Order No. 1	\$ 75,000.00
Change Order No. 2	\$ 335,263.00
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 1,387,874.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 864,528.31
TOTAL AMOUNT DUE THIS INVOICE	\$ 96,050.13
TOTAL BUDGET REMAINING	\$ 427,295.56 ✓
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



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INVOICE

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

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

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

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

Invoice : 2017103
Invoice Date : 1/31/2020
Project : MCW200501T
Project Name : Chapaton RTB Canal Upgrades

For Professional Services Rendered For 12/21/2019 Through 1/24/2020

** All subconsultant invoices marked up 5% **

	Fee	Available	Billings		
			To Date	Previous	Current
	1,387,874.00	523,345.69	960,578.44	864,528.31	96,050.13
Rate Labor	68,088.75				
Expenses	27,346.84				
Unit Rate Expense	614.54				
Total Expense	27,961.38				

Current Billings 96,050.13
Amount Due This Bill 96,050.13

Total Fee : 1,387,874.00
To Date Billings : 960,578.44
Total Remaining : 427,295.56

Outstanding Receivables	Invoice Number	Date	Amount	Balance Due
	2016836	1/3/2020	63,603.78	<u>63,603.78</u>
				63,603.78

1A1 - Project Management

Rate Labor

Class / Employee

Senior Professional

John Arvai

	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
	12/23/2019	4.00	215.0000	860.00
	12/31/2019	2.00	215.0000	430.00
	1/2/2020	0.50	215.0000	107.50
	1/3/2020	1.00	215.0000	215.00
	1/6/2020	1.00	215.0000	215.00
	1/7/2020	3.00	215.0000	645.00
	1/8/2020	0.50	215.0000	107.50
	1/9/2020	0.50	215.0000	107.50
	1/14/2020	1.00	215.0000	215.00
	1/21/2020	2.00	215.0000	430.00
	1/22/2020	1.00	215.0000	215.00
	1/23/2020	1.00	215.0000	215.00
		-----		-----
Total Senior Professional		17.50		3,762.50

Total Rate Labor

3,762.50

3,762.50

Total Bill Task: 1A1 - Project Management

1A2 - Project Management Support

Rate Labor

Class / Employee

Professional Engineer IV

Oskar E Nordstrom

	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
	1/6/2020	0.50	190.0000	95.00
	1/7/2020	2.00	190.0000	380.00
		-----		-----
Total Professional Engineer IV		2.50		475.00

Project Aide II

Melanie A Phillips

	1/13/2020	1.00	95.0000	95.00
--	-----------	------	---------	-------

Survey Technician V

Brett Litogot

	1/8/2020	1.00	105.0000	105.00
	1/10/2020	1.00	105.0000	105.00
		-----		-----
Total Survey Technician V		2.00		210.00

Total Rate Labor

780.00

780.00

Total Bill Task: 1A2 - Project Management Support

1EXP - Project Management Expenses

Expenses

Account / Vendor

Architectural/Engineering Supplies

John Arvai

	<u>Doc Number</u>	<u>Date</u>	<u>Cost</u>	<u>Multiplier</u>	<u>Amount</u>
	ER000152333	12/14/2019	11.99	1.100	13.19
	ER000152256	12/29/2019	11.99	1.100	13.19
			-----		-----
Total Architectural/Engineering Supplies			23.98		26.38

Total Expenses

26.38

1EXP - Project Management Expenses

Unit Rate Expenses

Account / Unit / Vendor

Employee Mileage - Regular Rate

Employee Mileage

John Arvai

Quantity

Rate

Amount

79.00

0.5700

45.03

Total Unit Rate Expenses

45.03

Total Bill Task: 1EXP - Project Management Expenses

71.41

3E1 - 90% Process

Rate Labor

Class / Employee

Date

Hours

Rate

Amount

Engineer I

Jason Obrycki-Smith

1/24/2020

1.00

100.0000

100.00

Principal

Steven A Kalinowski

1/24/2020

1.00

230.0000

230.00

Project Specialist II

John K Golden

1/13/2020

1.00

150.0000

150.00

1/23/2020

1.00

150.0000

150.00

1/24/2020

1.00

150.0000

150.00

3.00

450.00

Total Project Specialist II

Senior Professional

Jeffrey W Reynhout

1/6/2020

2.00

215.0000

430.00

1/8/2020

1.00

215.0000

215.00

1/10/2020

2.00

215.0000

430.00

1/14/2020

4.00

215.0000

860.00

1/16/2020

4.00

215.0000

860.00

1/17/2020

3.00

215.0000

645.00

1/20/2020

4.00

215.0000

860.00

1/21/2020

2.00

215.0000

430.00

1/22/2020

2.00

215.0000

430.00

24.00

5,160.00

Total Senior Professional

Total Rate Labor

5,940.00

Total Bill Task: 3E1 - 90% Process

5,940.00

3E13 - 90% Meetings

Rate Labor

Class / Employee

Date

Hours

Rate

Amount

Engineer I

Jason Obrycki-Smith

1/6/2020

2.00

100.0000

200.00

1/7/2020

3.00

100.0000

300.00

1/8/2020

4.00

100.0000

400.00

1/10/2020

1.00

100.0000

100.00

1/13/2020

2.00

100.0000

200.00

1/14/2020

5.00

100.0000

500.00

17.00

1,700.00

Total Engineer I

Professional LA III

Scot Lautzenheiser

1/14/2020

3.00

150.0000

450.00

3E13 - 90% Meetings

Rate Labor Class / Employee	Date	Hours	Rate	Amount
Senior Professional				
John Arvai				
	1/3/2020	0.50	215.0000	107.50
	1/6/2020	1.00	215.0000	215.00
	1/8/2020	3.00	215.0000	645.00
	1/10/2020	1.00	215.0000	215.00
	1/14/2020	1.00	215.0000	215.00
		-----		-----
Total Senior Professional		6.50		1,397.50
			Total Rate Labor	3,547.50
Total Bill Task: 3E13 - 90% Meetings				3,547.50

3E2 - 90% Electrical & I&C

Rate Labor Class / Employee	Date	Hours	Rate	Amount
Engineer III				
Thomas J Stark				
	1/13/2020	4.00	130.0000	520.00
	1/14/2020	8.00	130.0000	1,040.00
	1/15/2020	7.00	130.0000	910.00
	1/17/2020	7.00	130.0000	910.00
	1/20/2020	8.00	130.0000	1,040.00
	1/21/2020	8.00	130.0000	1,040.00
	1/22/2020	8.00	130.0000	1,040.00
	1/23/2020	8.00	130.0000	1,040.00
	1/24/2020	7.00	130.0000	910.00
		-----		-----
Total Engineer III		65.00		8,450.00
Principal				
Steven A Kalinowski				
	1/8/2020	1.00	230.0000	230.00
			Total Rate Labor	8,680.00
Total Bill Task: 3E2 - 90% Electrical & I&C				8,680.00

3E15 - 90% Lighthouse

Rate Labor Class / Employee	Date	Hours	Rate	Amount
Senior Professional				
John Arvai				
	1/16/2020	2.00	215.0000	430.00
	1/23/2020	2.00	215.0000	430.00
	1/24/2020	2.50	215.0000	537.50
		-----		-----
Total Senior Professional		6.50		1,397.50
			Total Rate Labor	1,397.50
Total Bill Task: 3E15 - 90% Lighthouse				1,448.54

Unit Rate Expenses Account / Unit / Vendor	Quantity	Rate	Amount
Employee Mileage - Regular Rate			
Employee Mileage			
John Arvai	88.00	0.5800	51.04
			Total Unit Rate Expenses
			51.04
Total Bill Task: 3E15 - 90% Lighthouse			
			1,448.54

3E3 - 90% Landscape/Green Infrastructure

Rate Labor

Class / Employee

LA Staff

	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Catherine A Dennis	12/23/2019	3.00	100.0000	300.00
	12/27/2019	4.00	100.0000	400.00
	12/31/2019	3.00	100.0000	300.00
	1/2/2020	2.00	100.0000	200.00
	1/3/2020	1.75	100.0000	175.00
	1/6/2020	3.00	100.0000	300.00
	1/7/2020	5.00	100.0000	500.00
	1/8/2020	0.50	100.0000	50.00
	1/9/2020	1.50	100.0000	150.00
	1/13/2020	0.50	100.0000	50.00
	1/14/2020	5.00	100.0000	500.00
	1/15/2020	2.25	100.0000	225.00
	1/16/2020	1.75	100.0000	175.00
	1/17/2020	5.00	100.0000	500.00
	1/20/2020	3.50	100.0000	350.00
	1/21/2020	5.25	100.0000	525.00
	1/22/2020	3.00	100.0000	300.00
	1/23/2020	5.00	100.0000	500.00
	1/24/2020	6.50	100.0000	650.00
Melissa O Hernandez	1/17/2020	2.50	100.0000	250.00
	1/20/2020	1.50	100.0000	150.00
	1/24/2020	6.00	100.0000	600.00
Total LA Staff		71.50		7,150.00

Principal

Steven A Kalinowski	1/9/2020	1.00	230.0000	230.00
	1/13/2020	1.00	230.0000	230.00
	1/14/2020	1.00	230.0000	230.00
	1/17/2020	1.00	230.0000	230.00
	1/23/2020	1.00	230.0000	230.00
Total Principal		5.00		1,150.00

Professional LA III

Scot Lautzenheiser	1/3/2020	1.50	150.0000	225.00
	1/7/2020	1.50	150.0000	225.00
	1/8/2020	0.75	150.0000	112.50
	1/9/2020	0.25	150.0000	37.50
	1/10/2020	0.25	150.0000	37.50
	1/13/2020	0.50	150.0000	75.00
	1/14/2020	0.75	150.0000	112.50
	1/15/2020	0.50	150.0000	75.00
	1/16/2020	0.25	150.0000	37.50
	1/17/2020	1.00	150.0000	150.00

3E3 - 90% Landscape/Green Infrastructure

Rate Labor

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Professional LA III				
Scot Lautzenheiser	1/20/2020	1.25	150.0000	187.50
	1/22/2020	0.75	150.0000	112.50
	1/24/2020	1.25	150.0000	187.50
		-----		-----
Total Professional LA III		10.50		1,575.00
			Total Rate Labor	9,875.00
Total Bill Task: 3E3 - 90% Landscape/Green Infrastructure				9,875.00

3E16 - 90% Easement Assistance

Rate Labor

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Principal				
Steven A Kalinowski	1/6/2020	1.00	230.0000	230.00
	1/7/2020	1.00	230.0000	230.00
	1/13/2020	1.00	230.0000	230.00
	1/16/2020	1.00	230.0000	230.00
		-----		-----
Total Principal		4.00		920.00
Professional Surveyor III				
Scott Bliss	1/7/2020	1.00	140.0000	140.00
	1/10/2020	1.00	140.0000	140.00
	1/13/2020	1.00	140.0000	140.00
	1/16/2020	3.00	140.0000	420.00
		-----		-----
Total Professional Surveyor III		6.00		840.00
Project Specialist III				
Nicholas L Grim	1/20/2020	1.00	175.0000	175.00
	1/24/2020	1.00	175.0000	175.00
		-----		-----
Total Project Specialist III		2.00		350.00
			Total Rate Labor	2,110.00
Total Bill Task: 3E16 - 90% Easement Assistance				2,110.00

3E4 - 90% Structural

Rate Labor

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
CADD Technician I				
Rachelle Setser	1/20/2020	8.00	70.0000	560.00
	1/23/2020	8.00	70.0000	560.00
		-----		-----
Total CADD Technician I		16.00		1,120.00
Engineer I				
Jason Obrycki-Smith	1/24/2020	1.00	100.0000	100.00
Engineer IV				
Tyler Barkho	1/20/2020	6.00	150.0000	900.00
	1/21/2020	4.00	150.0000	600.00

3E4 - 90% Structural

Rate Labor

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Engineer IV				
Tyler Barkho	1/22/2020	1.00	150.0000	150.00
		-----		-----
Total Engineer IV		11.00		1,650.00
Principal				
Steven A Kalinowski	1/3/2020	1.00	230.0000	230.00
	1/6/2020	1.00	230.0000	230.00
	1/14/2020	1.00	230.0000	230.00
	1/24/2020	1.00	230.0000	230.00
		-----		-----
Total Principal		4.00		920.00
Professional Engineer IV				
Italo Gonzalez	1/6/2020	2.00	190.0000	380.00
	1/7/2020	3.00	190.0000	570.00
		-----		-----
Total Professional Engineer IV		5.00		950.00
Senior Professional				
James K White	1/6/2020	2.00	215.0000	430.00
	1/16/2020	1.00	215.0000	215.00
	1/17/2020	1.00	215.0000	215.00
	1/23/2020	4.00	215.0000	860.00
		-----		-----
Total Senior Professional		8.00		1,720.00
			Total Rate Labor	6,460.00
Total Bill Task: 3E4 - 90% Structural				6,460.00

3E5 - 90% Mechanical

Rate Labor

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Engineer I				
Jason Obrycki-Smith	1/15/2020	1.00	100.0000	100.00
	1/16/2020	1.00	100.0000	100.00
	1/21/2020	1.00	100.0000	100.00
		-----		-----
Total Engineer I		3.00		300.00
			Total Rate Labor	300.00
Total Bill Task: 3E5 - 90% Mechanical				300.00

3E6 - 90% Civil / Site

Rate Labor

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Engineer IV				
Tyler Barkho	1/2/2020	3.00	150.0000	450.00
	1/6/2020	6.50	150.0000	975.00
	1/7/2020	3.00	150.0000	450.00
	1/13/2020	1.00	150.0000	150.00
	1/15/2020	2.00	150.0000	300.00

3E6 - 90% Civil / Site

Rate Labor

Class / Employee

Engineer IV

Tyler Barkho

Date	Hours	Rate	Amount
1/16/2020	1.00	150.0000	150.00
1/17/2020	2.00	150.0000	300.00
1/22/2020	5.00	150.0000	750.00
1/23/2020	2.50	150.0000	375.00
1/24/2020	8.00	150.0000	1,200.00
	-----		-----
	34.00		5,100.00

Total Engineer IV

Principal

Steven A Kalinowski

12/23/2019	1.00	230.0000	230.00
12/30/2019	1.00	230.0000	230.00
1/2/2020	1.00	230.0000	230.00
1/7/2020	1.00	230.0000	230.00
1/10/2020	1.00	230.0000	230.00
1/14/2020	1.00	230.0000	230.00
1/15/2020	2.00	230.0000	460.00
1/24/2020	2.00	230.0000	460.00
	-----		-----
	10.00		2,300.00

Total Principal

Professional Engineer II

Bradford Barber

1/2/2020	2.00	145.0000	290.00
1/3/2020	2.00	145.0000	290.00
1/8/2020	4.00	145.0000	580.00
1/9/2020	3.00	145.0000	435.00
1/10/2020	3.00	145.0000	435.00
1/15/2020	8.00	145.0000	1,160.00
1/16/2020	7.00	145.0000	1,015.00
	-----		-----
	29.00		4,205.00

Total Professional Engineer II

Survey Technician II

Joseph G Ocenasek

1/9/2020	8.00	70.0000	560.00
1/13/2020	1.50	70.0000	105.00
	-----		-----
	9.50		665.00

Total Survey Technician II

Survey Technician V

Brett Litogot

1/13/2020	1.00 OT	157.5000	157.50
1/13/2020	6.00	105.0000	630.00
	-----		-----
	7.00		787.50

Total Brett Litogot

Matthew J Dudzik

1/9/2020	8.00	105.0000	840.00
1/13/2020	1.50	105.0000	157.50
1/9/2020	0.50 OT	157.5000	78.75
	-----		-----
	10.00		1,076.25
	-----		-----
	17.00		1,863.75

Total Matthew J Dudzik

Total Survey Technician V

Total Rate Labor

14,133.75

3E6 - 90% Civil / Site

Unit Rate Expenses

Account / Unit / Vendor

Equipment Usage Charges

Daily Vehicle Charge

Matthew J Dudzik

Survey Equipment

Matthew J Dudzik

Total Equipment Usage Charges

Total Unit Rate Expenses

Total Bill Task: 3E6 - 90% Civil / Site

Quantity

Rate

Amount

1.00

85.0000

85.00

8.50

6.0000

51.00

9.50

136.00

136.00

14,269.75

3E8 - 90% Administrative

Rate Labor

Class / Employee

Engineer IV

Tyler Barkho

Total Engineer IV

Total Rate Labor

Total Bill Task: 3E8 - 90% Administrative

Date

Hours

Rate

Amount

1/10/2020

1.00

150.0000

150.00

1/14/2020

6.00

150.0000

900.00

7.00

1,050.00

1,050.00

1,050.00

3E9 - 90% Permit Assistance

Rate Labor

Class / Employee

Principal

Steven A Kalinowski

Anthony C Igwe

Total Principal

Senior Professional

John Arvai

David L Anthony

Date

Hours

Rate

Amount

12/26/2019

1.00

230.0000

230.00

1/3/2020

1.00

230.0000

230.00

1/10/2020

1.00

230.0000

230.00

1/15/2020

2.00

230.0000

460.00

1/16/2020

1.00

230.0000

230.00

1/17/2020

4.00

230.0000

920.00

1/20/2020

2.00

230.0000

460.00

1/8/2020

1.00

230.0000

230.00

1/9/2020

1.00

230.0000

230.00

1/13/2020

2.00

230.0000

460.00

1/15/2020

2.00

230.0000

460.00

1/16/2020

2.00

230.0000

460.00

1/17/2020

5.00

230.0000

1,150.00

1/20/2020

1.00

230.0000

230.00

26.00

5,980.00

1/14/2020

0.50

215.0000

107.50

1/15/2020

1.00

215.0000

215.00

1/17/2020

4.00

215.0000

860.00

1/20/2020

0.50

215.0000

107.50

1/15/2020

1.00

215.0000

215.00

3E9 - 90% Permit Assistance

Rate Labor Class / Employee	Date	Hours	Rate	Amount
Total Senior Professional		7.00		1,505.00
Total Rate Labor				7,485.00

Expenses Account / Vendor	Doc Number	Date	Cost	Multiplier	Amount
Employee Travel					
Anthony C Igwe	ER000152737	1/16/2020	13.50	1.100	14.85
	ER000152737	1/16/2020	8.04	1.100	8.84
	ER000152737	1/16/2020	10.72	1.100	11.79
	ER000152737	1/16/2020	134.00	1.100	147.40
	ER000152737	1/18/2020	19.40	1.100	21.34
			185.66		204.22
Total Anthony C Igwe			185.66		204.22
Total Employee Travel					
Employee Travel / Subsistence					
Anthony C Igwe	ER000152737	1/17/2020	10.99	1.100	12.09
Total Expenses					216.31

Total Bill Task: 3E9 - 90% Permit Assistance **7,701.31**

3EXP - Expenses Unit Rate Expenses Account / Unit / Vendor	Quantity	Rate	Amount
Employee Mileage - Regular Rate			
Employee Mileage	71.00	0.5700	40.47
Jason Obrycki-Smith			
Employee Mileage - Regular Rate			
Employee Mileage	600.00	0.5700	342.00
Anthony C Igwe			
Total Unit Rate Expenses			382.47

Total Bill Task: 3EXP - Expenses **382.47**

6A2 - NTH Consultants Expenses Account / Vendor	Doc Number	Date	Cost	Multiplier	Amount
Subconsultants					
NTH Consultants LTD	0020017465	1/17/2020	24,400.48	1.050	25,620.50
Total Expenses					25,620.50

6A5 - AEW Expenses Account / Vendor	Doc Number	Date	Cost	Multiplier	Amount
Subconsultants					
Anderson, Eckstein & Westrick Inc	0020017457	1/5/2020	1,413.00	1.050	1,483.65
Total Expenses					1,483.65

7A1 - Flushing System Study Rate Labor Class / Employee	Date	Hours	Rate	Amount
Engineer I				
Tyler S Davidek	12/30/2019	2.00	100.0000	200.00

7A1 - Flushing System Study

Rate Labor Class / Employee	Date	Hours	Rate	Amount
Engineer I				
Tyler S Davidek	12/31/2019	4.00	100.0000	400.00
	1/2/2020	2.00	100.0000	200.00
	1/3/2020	2.00	100.0000	200.00
	1/6/2020	2.00	100.0000	200.00
	1/7/2020	2.00	100.0000	200.00
	1/9/2020	2.00	100.0000	200.00
Total Engineer I		16.00		1,600.00
Senior Professional				
John Arvai	1/3/2020	0.50	215.0000	107.50
Jeffrey W Reynhout	1/9/2020	2.00	215.0000	430.00
	1/13/2020	2.00	215.0000	430.00
Total Senior Professional		4.50		967.50
	Total Rate Labor			2,567.50
Total Bill Task: 7A1 - Flushing System Study				2,567.50

Total Project: MCW200501T - Chapaton RTB Canal Upgrades

96,050.13

Work Description for Chapaton RTB Canal Upgrade:
 Project management and coordination of design activities, staff and team meetings. Prepared monthly invoice and progress report. Attended Progress meeting on January 8, 2020 and control building architectural design meeting with MCPWO on January 16, 2020. Continued additional permitting efforts. Attended MCPWO/EGLE meeting to discuss and review project permitting on January 17, 2020. Progressed design drawings and specifications towards 90% level. Completed Shoreclub title search review of documents, boundary survey and easement document. Continued Chapaton RTB flushing system study work.



NTH Consultants, Ltd.

Infrastructure Engineering and Environmental Services

INVOICE

Wade-Trim Associates, Inc.
25251 Northline
Taylor MI 48180

Invoice # : 621241
Project : 62190022
Invoice Group : **
Invoice Date : 01/21/2020

Attention: Accounts Payable

For Professional Services Rendered through: 1/17/2020

P.O./Ref #: Authorization per NTH/Wade Trim Standard Subconsultant Agreement dated February 28, 2019.

Engineering services related tot he expansion of the Chapaton Basin

Phase Name	Maximum Budget	Previous Billings	Current Charges	Remaining Budget
10 -- Project Management	28,890.00	14,190.83	537.50	14,161.67
20 -- *C* - Preliminary Design	99,060.00	99,031.49	0.00	28.51
30 -- Final Design	91,200.00	14,771.79	23,862.98	52,565.23
40 -- Bidding Assistance	9,360.00	0.00	0.00	9,360.00
Project Total	228,510.00	127,994.11	24,400.48	76,115.41

Amount Due This Invoice : \$ 24,400.48

REMIT TO: NTH Consultants, Ltd. - 41780 Six Mile Road - Suite 200 - Northville MI - 48168-3459
Please include Project No. and Invoice No. on remittance.

TERMS: Due upon receipt. One percent (1%) interest per month charged on invoices over 30 days old.

Payment for all invoices is expected as per contract terms. All retainers are held and applied to final invoice for a project. Checks will be issued for any amounts collected as retainers that exceed the final invoice. Call 248-553-6300 with questions.



Project : 62190022 -- MCO - Chapaton RTB Canal Upgrades

Invoice # : 621241

Phase : 10 -- Project Management

<u>Rate Schedule Labor</u>	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Senior Officer				
Roarty, Charles	12/17/2019	0.50	215.00	107.50
	12/20/2019	0.50	215.00	107.50
	01/07/2020	0.50	215.00	107.50
	01/08/2020	1.00	215.00	215.00
Rate Schedule Labor				2.50
Total Phase : 10 -- Project Management				Labor : 537.50
				Expense : 0.00

Phase : 30 -- Final Design

<u>Rate Schedule Labor</u>	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Project Professional				
Lobbestael, Adam	12/16/2019	2.00	120.00	240.00
	12/17/2019	7.50	120.00	900.00
	12/18/2019	7.00	120.00	840.00
	12/19/2019	7.50	120.00	900.00
	12/20/2019	1.50	120.00	180.00
	12/30/2019	5.50	120.00	660.00
	12/31/2019	3.50	120.00	420.00
	01/02/2020	5.50	120.00	660.00
	01/03/2020	7.00	120.00	840.00
	01/06/2020	0.50	120.00	60.00
	01/08/2020	2.50	120.00	300.00
	01/10/2020	7.00	120.00	840.00
	01/11/2020	5.00	120.00	600.00
	01/13/2020	9.00	120.00	1,080.00
	01/14/2020	8.00	120.00	960.00
	01/15/2020	7.50	120.00	900.00
	01/16/2020	7.00	120.00	840.00
	01/17/2020	5.00	120.00	600.00
Hassan, Samer	01/08/2020	2.00	120.00	240.00
	01/08/2020	1.50	120.00	180.00
	01/10/2020	2.00	120.00	240.00
	01/13/2020	2.50	120.00	300.00
	01/16/2020	2.50	120.00	300.00
	01/17/2020	2.00	120.00	240.00
Senior Officer				

REMIT TO: NTH Consultants, Ltd. – 41780 Six Mile Road – Suite 200 – Northville MI – 48168-3459
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Project : 62190022 -- MCO - Chapaton RTB Canal Upgrades

Invoice # : 621241

Phase : 30 -- Final Design

<u>Rate Schedule Labor</u>	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Senior Officer				
Roarty, Charles	12/17/2019	0.50	215.00	107.50
	12/18/2019	0.50	215.00	107.50
	12/20/2019	0.50	215.00	107.50
	01/06/2020	2.50	215.00	537.50
	01/10/2020	0.50	215.00	107.50
	01/13/2020	0.50	215.00	107.50
	01/14/2020	0.50	215.00	107.50
	01/14/2020	3.50	215.00	752.50
	01/15/2020	1.00	215.00	215.00
	01/16/2020	1.00	215.00	215.00
	01/17/2020	0.50	215.00	107.50
Sr Staff Professional				
Brehmer, Anthony	01/06/2020	2.00	100.00	200.00
	01/07/2020	1.00	100.00	100.00
	01/08/2020	6.00	100.00	600.00
	01/09/2020	6.00	100.00	600.00
	01/10/2020	1.50	100.00	150.00
	01/13/2020	3.50	100.00	350.00
	01/14/2020	4.50	100.00	450.00
	01/15/2020	6.00	100.00	600.00
	01/16/2020	4.00	100.00	400.00
Granger, Lauren	01/08/2020	7.50	100.00	750.00
	01/09/2020	8.00	100.00	800.00
	01/10/2020	7.50	100.00	750.00
	01/13/2020	3.50	100.00	350.00
	01/14/2020	3.00	100.00	300.00
	01/15/2020	5.50	100.00	550.00
	01/16/2020	6.50	100.00	650.00
	01/17/2020	4.50	100.00	450.00
Rate Schedule Labor		203.00		23,842.50

<u>Unit Pricing Expenses</u>	<u>Units</u>	<u>Rate</u>	<u>Amount</u>
Per Unit Expenses			
REIMBURSED MILEAGE	32.00 MILE(S) @	0.64	20.48
Unit Pricing			20.48

REMIT TO: NTH Consultants, Ltd. - 41780 Six Mile Road - Suite 200 - Northville MI - 48168-3459
Please include Project No. and Invoice No. on remittance.

TERMS: Due upon receipt. One percent (1%) interest per month charged on invoices over 30 days old.

Payment for all invoices is expected as per contract terms. All retainers are held and applied to final invoice for a project. Checks will be issued for any amounts collected as retainers that exceed the final invoice. Call 248-553-6300 with questions.



NTH Consultants, Ltd.

Infrastructure Engineering and
Environmental Services

INVOICE

Project : 62190022 -- MCO - Chapaton RTB Canal Upgrades

Invoice # : 621241

Total Phase : 30 -- Final Design

Labor : 23,842.50
Expense : 20.48

Total Project : 62190022 -- MCO - Chapaton RTB Canal Upgrades

24,400.48

REMIT TO: NTH Consultants, Ltd. -- 41780 Six Mile Road -- Suite 200 -- Northville MI -- 48168-3459
Please include Project No. and Invoice No. on remittance.

TERMS: Due upon receipt. One percent (1%) interest per month charged on invoices over 30 days old.

Payment for all invoices is expected as per contract terms. All retainers are held and applied to final invoice for a project. Checks will be issued for any amounts collected as retainers that exceed the final invoice. Call 248-553-6300 with questions.



ANDERSON, ECKSTEIN & WESTRICK, INC.
CIVIL ENGINEERS SURVEYORS ARCHITECTS
 51301 SCHOENHERR RD. SHELBY TOWNSHIP, MI 48315
 www.aewinc.com p(586)726-1234

INVOICE

January 14, 2020
 Project No: 0211-0206-0
 Invoice No: 0124870

WADE TRIM
 ATTN: JOHN ARVAI, PE
 25251 NORTHLINE ROAD
 TAYLOR, MI 48180

Project 0211-0206-0 CHAPATON RTB CANAL UPGRADE - GATE BLDG

Professional Services from December 9, 2019 to January 5, 2020

Phase 01 DESIGN

Professional Personnel

	Hours	Rate	Amount	
ARCHITECT				
SENIOR PROJECT ARCHITECT	9.00	157.00	1,413.00	
Totals	9.00		1,413.00	
Total Labor				1,413.00

Billing Limits

	Current	Prior	To-Date
Total Billings	1,413.00	6,372.50	7,785.50
Limit			24,000.00
Remaining			16,214.50

Total this Phase \$1,413.00

Total this Invoice \$1,413.00

Outstanding Invoices

Number	Date	Balance
0124689	12/16/2019	6,372.50
Total		6,372.50



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 1/27/20
4. SET ID VP200127MA		
5. POST DATE		

PARENT RECORD INFORMATION	
6. VENDOR NAME (Check to be issued to) Watson Marlow Inc.	11. Invoice Amount 627.82
7. VENDOR NUMBER V72067	10. Invoice Date 1/23/2020
8. ADDR CODE 01	19. Amount \$ 627.82
9. Invoice No (MAX = 16 CHARACTERS)	20. DIV GEN

General Ledger		Job Ledger		CHILD RECORD DETAIL INFORMATION			
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount
A	8210017M	97002	97002	WO18006	8 1/2 Mile Relief	Order #S117688 - Pump Element	\$ 544.82
B	8210017M	97002	97002	WO18006	8 1/2 Mile Relief	Order #S117688 - Grease	\$ 83.00
C							\$ 0
D							\$ 0
E							\$ 0
F							\$ 0
G							\$ 0

23. Total: \$ 627.82

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
PW000061

25. Finance Officer: DMM

26. Chief Deputy: ASB

27. Engineers: JAK

28. Managers: CC

29. Coordinator:

30. Drain: 8 1/2 Mile Relief

31. Project Balance: N/A

32. Staff Date: 2/11/2020

33. Board Date: 3/9/2020

34. Select For Pay Date:

Invoice



Fluid Technology Group

Invoice address
 Macomb County Public Works
 Attn: Accounts Payable Dept.
 michelle.houvener@macombgov.org
 21777 Dunham Road
 Clinton Township, MI 48036
 United States

Delivery address
 DPWK
 Public Works Office
 Chapaton Pump Station
 23001 9 Mile Road
 Saint Clair Shores, MI 48080
 United States

Remit Payment To:
 Watson Marlow, Inc.
 P.O. Box 536285
 Pittsburgh, PA 15253-5904
 United States

Telephone +1 800-282-8823
 Fax +1 978-658-0041
 orders@wmftg.us
 www.wmftg.com

Cust VAT No. CERTIFICATE ON FILE

Inv. No. SI118920	Sales order S117688	Cust PO No.: PW00061	Invoice date 01/23/2020
Our reference Alex Doucette		Cust Account 303717	Page 1 of 2

SO Line	Item number	Description	Estimated ship date	Quantity	Unit	Sales price	Amount	Sales Tax
3.0	28-032075	Pump Element Bredel 32 EPDM Tariff Code Country/region of origin Quantity : 1.00 Delivery note No. : USA1-DN127988 Quantity : 1.00 Serial / Lot No.: 17219 Tracking number 1Z6640830343125526	01/22/2020 84139100 Netherlands	1.00	Each	575.00	575.00	0.00
4.0	500143001	Hose Lube 1 Gallon Tariff Code Quantity : 1.00 Delivery note No. : USA1-DN127988 Tracking number 1Z6640830343125526	01/22/2020 3403.99.0000	1.00	Each	83.00	83.00	0.00

Order Charge Shipping Freight Charges -30.18

Commodity code	Quantity	Net weight	Delivered value
84139100	1.00	3.00	575.00

All quotes, agreements and documentation concerning the sale of our products and/or services to be performed by us, shall be governed by the Watson-Marlow Inc, general conditions of sale. All other conditions are explicitly rejected by us.

Bank name Citizens Checking Account
 Bank account 1134078894
 SWIFT CTZIUS33
 A.B.A. ACH 211070175
 A.B.A. Wire 011500120

Invoice



Fluid Technology Group

Invoice address
 Macomb County Public Works
 Attn: Accounts Payable Dept.
 michelle.houvener@macombgov.org
 21777 Dunham Road
 Clinton Township, MI 48036
 United States

Delivery address
 DPWK
 Public Works Office
 Chapaton Pump Station
 23001 9 Mile Road
 Saint Clair Shores, MI 48080
 United States

Remit Payment To:
 Watson Marlow, Inc.
 P.O. Box 536285
 Pittsburgh, PA 15253-5904
 United States

Telephone +1 800-282-8823
 Fax +1 978-658-0041
 orders@wmftg.us
 www.wmftg.com

Cust VAT No. CERTIFICATE ON FILE

Inv. No.	Sales order	Cust PO No.:	Invoice date
SI118920	S117688	PW00061	01/23/2020
Our reference		Cust Account	Page
Alex Doucette		303717	2 of 2

3403.99.0000	1.00	5.25	83.00				
Sales tax code	Amount	Percent cash discount	Amount origin	Quantity	Sales tax amount	Description	
MI-00	0.00	0.00	658.00	0.00	0.00		

Payment terms	30 Days
Due date	02/22/2020
Delivery terms	FOB Origin Prepaid and Add
Delivery mode	ABF Freight

Currency	Sales subtotal amount	Charges	Sales Tax	Total
USD	658.00	-30.18	0.00	627.82

All quotes, agreements and documentation concerning the sale of our products and/or services to be performed by us, shall be governed by the Watson-Marlow Inc, general conditions of sale. All other conditions are explicitly rejected by us.

Bank name Citizens Checking Account
 Bank account 1134078894
 SWIFT CTZIUS33
 A.B.A. ACH 211070175
 A.B.A. Wire 011500120



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 1/28/20
4. SET ID VP 200129MA		
5. POST DATE		

PARENT RECORD INFORMATION				
6. VENDOR NAME (Check to be issued to) Weingartz	7. VENDOR NUMBER V05298	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 10533557-00	10. Invoice Date 1/27/2020
				11. Invoice Amount \$ 19,287.11

CHILD RECORD DETAIL INFORMATION									
12. Org Key	13. Object	14. Job Ledger		15. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC
		Cost Center (CCNT)	15. Object						
A	8210166M	97002	CC0018	97002	MIDDD ✓	Ac #49101, Kubota	\$ 9,643.56	GEN	
B	8210017M	97002	CC0004	97002	8 1/2 Mile Relief ✓	Ac #49101, Kubota	\$ 9,643.55	GEN	0
C									
D									
E									
F									
G									

23. Total: \$ 19,287.11

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
New Kubota Machine
PW000054

25. Finance Officer:	<i>[Signature]</i>	30. Drain:	MIDDD; 8 1/2 Mile Relief
26. Chief Deputy:	<i>[Signature]</i>	31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	2/11/2020
28. Managers:	<i>[Signature]</i>	33. Board Date:	3/9/2020
29. Coordinator:	<i>[Signature]</i>	34. Select For Pay Date:	

- WEINGARTZ -

EVERYTHING FROM LAWN TO SNOW

46061 Van Dyke Ave
 Utica, MI 48317
 (586) 731-7240 Fax: (586) 731-9319
 info@weingartz.com
 www.weingartz.com

INVOICE

Inside Rep	Invoice Date	Invoice #
587	01/27/20	10533557-00
Outside Rep	PO #	Page #
HSE	PW000055	1
Taken By	Instructions	
587		

Bill To:	MACOMB COUNTY PUBLIC WORKS 21777 DUNHAM RD. CLINTON TWP., MI 48036 49101
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Ship To:	MACOMB COUNTY PUBLIC WORKS CHAPATON PUMPING STATION 23001 E. NINE MILE RD. ST. CLAIR SHORES, MI 48080-1576 Ship To Phone# (586) 772-3425
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Approval No.	Terms	Ship Point	Ship Via	Order Date	Ship Date
	Net 10th	Weingartz - Utica	Cust Pickup	12/13/19	01/27/20

Line #	Product And Description	Quantity Ordered	Quantity B/O	Quantity Shipped	Qty U/M	Retail Price	Unit Price	Ext. Price
1	KURTVX1100CWL-H Kubota UV Worksite - Orange Serial #: 51361	1	0	1	each	21549.00	19287.11	19287.11
1	Lines Total			Qty Shipped Total	1		Total	19287.11
							Invoice Total	19287.11

Your feedback is important to us. Please complete a quick, 60 second survey at www.weingartz.com/survey and you will be entered into a monthly drawing for a \$100 Gift Card. Thank you!

Budget to Actual
 8.5 Mile Relief
 As of February 29, 2020 = 42%

DESCRIPTION	2020 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Interest Earned	80,000		101,454	(21,454)	126.8%
Canal Expansion(SMSD and Macomb County)	-		3,000,000	(3,000,000)	0.0%
Other Revenue	5,000		1,376	3,624	27.5%
State Grant	-		-	-	0.0%
LSCWWI 04B Transfer	-		738,112	(738,112)	100.0%
8.5 O&M/Charge Required Revenue	4,279,768		2,139,884	2,139,884	50.0%
PY Revenue-Fund Balance	3,098,050		58,090	3,039,960	1.9%
Rental Fee	16,464		8,232	8,232	50.0%
<i>Total Revenue Accounts</i>	7,479,282	-	6,047,148	1,432,134	80.9%
EXPENSE ACCOUNTS					
Application/Permit Fee	3,000		6,000	(3,000)	200.0%
Dues, Training, Conf, Subs.	5,750		86	5,664	1.5%
Engineering					
As needed Engineering	75,000		29,895	45,105	39.9%
Chapaton Improvements-Office Space	500,000		10,177	489,823	2.0%
Disinfection system upgrade (Design and Construction)	1,000,000		3,405	996,595	0.3%
Basin Structural Integrity Study**	-		14,097	(14,097)	0.0%
Phase 1 TRC Basin Equipment**	-		20,105	(20,105)	0.0%
Security Fence Structure-Gate Act**	-		25,150	(25,150)	0.0%
HVAC Design	200,000		-	200,000	0.0%
Flushing Study	75,000		-	75,000	0.0%
RTB/PS Ventilation Design	120,000		-	120,000	0.0%
Chapaton Improvements-Lab Relocation	250,000		70,444	179,556	28.2%
Basin Expansion Design	775,000		416,463	358,537	53.7%
In-System Storage Design(Gates on 8.5 Tunnel)	1,200,000		190,508	1,009,492	15.9%
9 Mile & 8 1/2 Mile Rehab	75,000		8,998	66,002	12.0%
New Equipment					
Office Supplies	1,000		46	954	4.6%
Operating Supplies	74,600		21,218	53,382	28.4%
Other Professional Svcs	46,800		13,487	33,313	28.8%
Personnel Services	979,953		224,658	755,295	22.9%
Repair & Maintenance	148,500		79,556	68,944	53.6%
Pumping and screening improvements	1,150,000		-	1,150,000	0.0%
SRF Replacement Reserve	259,215		-	259,215	0.0%
Scada System					
Scada System	243,839		61,606	182,233	25.3%
Utilities	273,125		159,162	113,963	58.3%
<i>Total Expense Accounts</i>	7,479,282	-	1,366,092	6,113,190	18.3%

	O&M Balance 9/30/2019	O&M	Total 2/29/2020
Cash - Operating	8,846,231	4,681,056	13,527,287
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		6,047,148	6,047,148
Expenditures		1,366,092	1,366,092
			0
Equity*	8,846,231		13,527,287

Detail of 2019 Equity*

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

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