

EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
NOVEMBER 8, 2021
10:15 A.M.
AGENDA

**NOTE: THIS MEETING WILL BE HELD IN PERSON WITH TELECONFERENCE
OPTION**

**Call in Number: 1-575-942-2096
Access Code: 517 329 462**

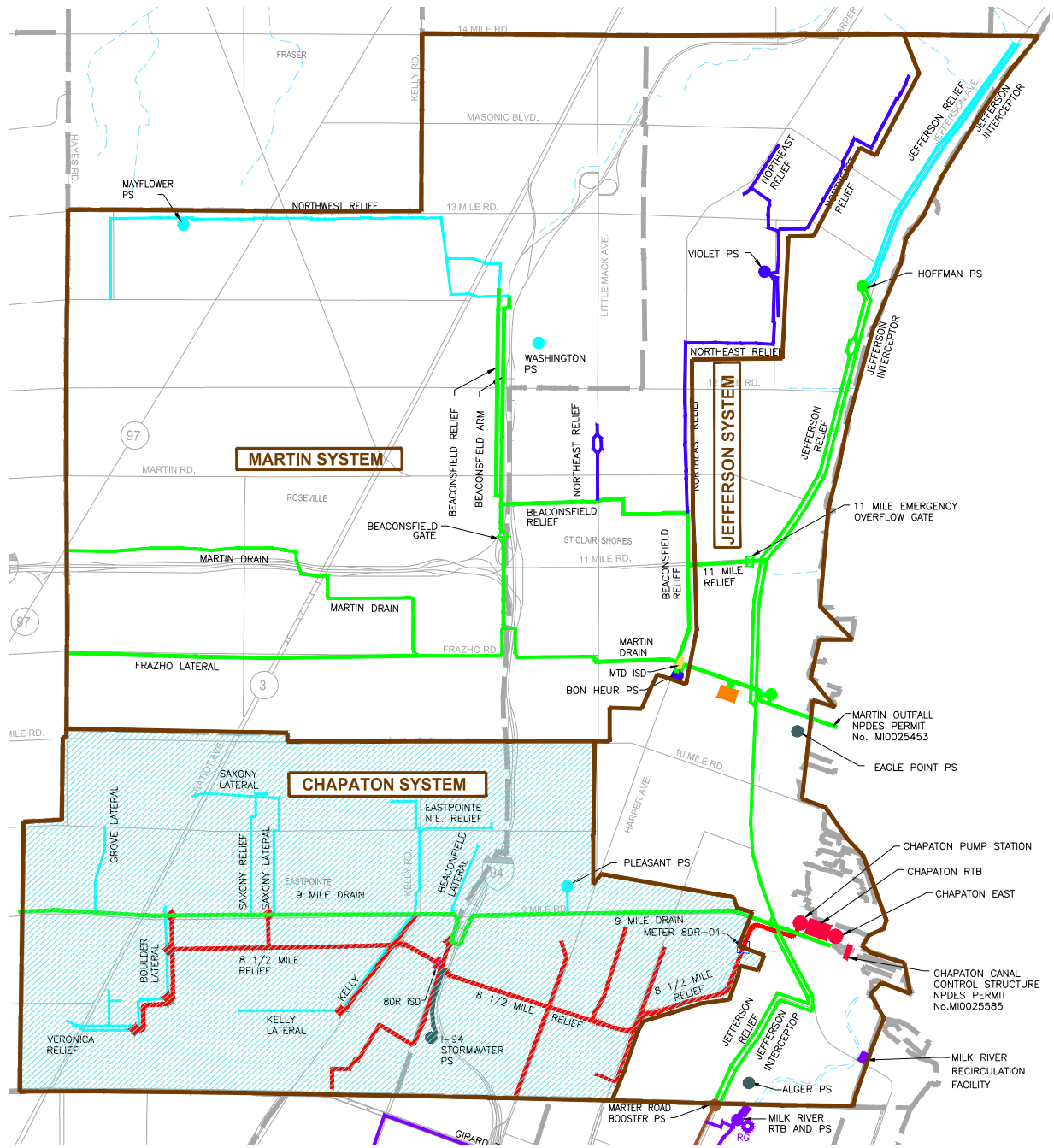
	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for November 8, 2021	
3. Approval of Minutes for October 18, 2021	3
4. Public Participation	
5. Project Updates – Vince Astorino	6
6. Consideration for approval of invoices (see attached)	10
7. Financial Report – Bruce Manning	77
8. Adjourn	

Hard copy is intended to be 8.5"x11" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

CHAPATON SYSTEM MAP

Macomb County, MI

Southeast Macomb Sanitary District Wastewater Master Plan



SYSTEM LEGEND
(AS OF DATE OF PUBLICATION)

- SYSTEM BOUNDARY

DISTRICT LEGEND
(AS OF DATE OF PUBLICATION)

- 8 1/2 MILE RELIEF DRAIN DRAINAGE DISTRICT
- SOUTHEAST MACOMB COUNTY WASTEWATER DISPOSAL SYSTEM
- MARTIN SANITARY DIVERSION DISTRICT
- SOUTHEAST MACOMB SANITARY DISTRICT
- NORTHEAST SEWAGE DISPOSAL SYSTEM
- MILK RIVER INTERCOUNTY DRAIN DRAINAGE DISTRICT
- LOCAL MUNICIPALITY
- OTHER

ASSET LEGEND

- PUMP STATION
- FLOW CONTROL STRUCTURE
- RTB
- GRAVITY INTERCEPTOR
- IN-SYSTEM STORAGE DEVICE
- OVERFLOW POINT
- LEVEL SENSOR
- RAIN GAUGE
- FLOW METER

PROJECT NO.

181053

3.6

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, and virtually per the State Public Act 254 of 2020, on October 18, 2021, at 10:09 A.M.

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

ALSO PRESENT: Don VanSyckel, Macomb County Board of Commissioners; Brian Baker, Chief Deputy, Stephen Downing, Construction & Maintenance Manager, Bruce Manning, Financial Manager, Vince Astorino, Operations & Flow Manager, Jeff Bednar P.E., Environmental Resources Manager, Kellie Kource, Drain Account Specialist, Norb Franz, Communications Manager, Dan Acciavatti, Deputy Government Relations, Macomb County Public Works

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

Adopted: YEAS: 3
NAYS: 0

Minutes of the meeting of September 13, 2021 were presented. A motion was made by Mr. Santo, supported by Ms. Klinefelt to approve the minutes as presented.

Adopted: YEAS: 3
NAYS: 0

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

Mr. Astorino updated the board that the 4.62 inch rain event on September 22nd resulted in 104 million gallons of treated discharge with no operational issues.

The Chapaton Pump & Screen project final change order is complete, and we are waiting on the final invoice to close out the project.

The Disinfection project is also finished and will close out with the final invoice.

The Lab and Mezzanine project final punch list items are done, close out documents delivered, and is officially closed out.

The majority of the Structural Repair project is moving along well, with the basin work complete and we have wrapped up the 9 Mile drain work. One last repair in the tunnel is being worked on and the majority of that work should be complete shortly. We will be seeking quotes to repair the expansion joints within the basin that are not expanding and contracting properly.

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

Adopted: YEAS: 3
NAYS: 0

Mr. Baker updated the board that we are at the next step in the petition process for the 8 ½ Mile improvements. Last meeting we presented a tentative apportionment that was sent to all the affected communities and we have not received any objections. We are now proposing to authorize Candice S. Miller to approve the final order of apportionment, which will allow us to start the process of seeking bids on the construction.

A motion was made by Ms. Klinefelt, supported by Mr. Santo to adopt the final order of apportionment resolution for the 8 ½ Mile petitioned projects.

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$465,727.02 to the board for review and approval.

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

Adopted: YEAS: 3
NAYS: 0

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

Adopted: YEAS: 3
NAYS: 0

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

Adopted: YEAS: 3
NAYS: 0

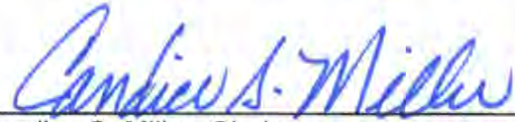
The meeting was adjourned at 10:23 a.m.



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 October 18, 2021 the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1975, including, in the case of a special or rescheduled meeting or a meeting secured for more than 36 hours, notice by posting at least 18 hours prior to the time set for the meeting.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

DATED: 10/18/21



Candice S. Miller

Public Works Commissioner
Macomb County

To: 8 ½ Mile Relief Drain Drainage District Board Members

CC: File

From: Vincent Astorino, Operations & Flow Manager

Date: November 8, 2021

Subject: Construction Projects Status Updates for the November 2021 Board Meeting

The following provides a status update for construction work completed within the 8 ½ Mile Relief Drain Drainage District (8MRDDD) for the previous month.

Wet Weather Operations

Wet Weather Event 1: October 25, 2021

Rainfall: 2.37 inches

Treated Discharge Volume: 47.9 MG

Water Quality Numbers: 9 cts / 100 ml geometric mean (Permit maximum is 300 cts/ml)

Description: There were no operational issues during this event. Everything worked as designed.

Wet Weather Event 2: October 29, 2021

Rainfall: 1.50 inches

Treated Discharge Volume: 0 MG

Water Quality Numbers: N/A – No discharge

Description: This rain event started in the early morning hours of Friday 10/29 and lasted almost exactly 24 hours. Early Saturday morning, with a clearing radar, steadily declining incoming flows, and the Chapaton RTB and canal both completely full, operators made the decision to stop pumping and used the upstream storage in the 8 ½ Mile tunnel. This action prevented a treated discharge. The tunnel, basin, and then the canal were both gradually dewatered over the following days.

Chapaton & Martin Disinfection Replacement Project

Contractor: Weiss Construction

Engineering Consultant: Wade Trim

Project Description:

This project consists of the complete replacement of the disinfection systems at Chapaton and Martin. Macomb County Public Works Office (MCPWO) staff identified that a critical capital improvement need for the Chapaton and Martin RTB's was the replacement of the disinfection systems. These are systems that were installed in approximately 1978 and have exceeded the end of their useful life. MCPWO staff has worked diligently to keep the existing disinfection pumps in service as they are prone to failure and require expensive, difficult to obtain parts. The project involves all disinfection chemical feed pumps, new electrical controls and VFDs, and new disinfection and sample piping within the Chapaton RTB.

Significant project tasks that have occurred over the past month:

1. Completed miscellaneous punchlist items
2. Prepared and executed final balancing change order and pay application

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount		\$995,925.00
Change Order #1	12/16/20	(\$16,337.83)
Change Order #2	04/28/21	(\$21,333.02)
Change Order #3	10/28/21	(\$6,863.34)
Revised Contract Amount		\$951,390.81
Total Spent to Date	Pay Apps #1-10	\$951,390.81
Remaining Budget		\$0.00

Chapaton Basin and 9 Mile Drain Structural Repairs Project

Contractor: Pullman

Engineering Consultant: NTH

Project Description:

This project consists of performing concrete repairs within the Chapaton RTB (constructed in 1968) and the 9-Mile Drain (constructed in 1926). Recent inspections were performed and various types of repairs in numerous locations were noted in the reports. Repairs primarily consist of chipping away damaged concrete, prepping the reinforcing steel and remaining concrete surfaces, and installing a specialized concrete product flush to adjacent surfaces.

Significant project tasks that have occurred over the past month:

1. Completed repairs in the 8 ½ Mile Relief Drain at upstream end of tunnel in City of Eastpointe
2. Began additional repairs in the Chapaton Aeration Chamber east of the weir wall.

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount		\$736,950.00
Total Spent to Date	Pay App #1-4	\$368,576.14
Remaining Budget		\$368,576.86



Figure 1 – 9-Mile Drain - Equalizer ports at Chapaton Station Gate



Figure 2 – 8.5 Mile Drain – Ceiling and Leaking Joint Repairs



Figure 3 – Aeration Chamber – Blower Equipment & Scaffolding



Figure 4 – Aeration Chamber – Exposed Rebar and Ceiling Repairs

<u>Funding Source</u>	<u>Apportionment</u>	<u>Manager</u>	<u>Vendor</u>	<u>Amount</u>	<u>Invoice Detail</u>	<u>Project Summary</u>	<u>Project Balance</u>
8 1/2 Mile Relief	Chapter 20 State of MI – 16.04% County of Macomb – 2.25% Dept. of Roads – 2.25% Eastpointe – 54.33% St. Clair Shores – 25.13%						
		Baker	Aloia & Associates, P.C.	\$ 845.50	Invoice #22821 - 9.1.21	Shore Club Easement	
		Astorino	Colville Electric Co., LLC	\$ 5,277.03	Invoice #210529 - 10.26.21	Demo Old Wiring in Control Room - Office Project	
		Astorino	Colville Electric Co., LLC	\$ 2,390.60	Invoice #210542 - 10.26.21	Repair Primary Motor Starter	
		Astorino	Colville Electric Co., LLC	\$ 1,027.92	Invoice #210547 - 10.26.21	Test Pump 3	
		Manning	County of Macomb	\$ 229,732.20	Invoice #AR210970 - 9.28.21	Personnel/Operating Expense 2nd Quarter 2021	
		Astorino	De-Cal, Inc.	\$ 1,558.70	Invoice #WO90021105-3 - 10.14.21	3rd Quarter PM and Coil Clean	
		Astorino	DTE Energy	\$ 13,135.79	Invoice #S1R0J-4CL6B - 10.8.21	Monthly Electric - 9.9.21 - 10.7.21	
		Astorino	Fahey Schultz Burzych Rhodes	\$ 760.00	Invoice #61824 - 10.6.21	Petition Process	
		Astorino	Fishbeck	\$ 20,453.62	Invoice #404801 - 10.5.21	9 Mile Structural Rehab Services through 10.1.21	\$ 79,347.47
		Astorino	Fishbeck	\$ 8,652.15	Invoice #405536 - 10.12.21	Office/Building Renovation through 10.1.21 - Final	
		Astorino	Grainger	\$ 932.78	Invoice #9082928509 - 10.12.21	Pipes	
		Astorino	JCI Jones Chemicals Inc.	\$ 4,676.13	Invoice #871046 - 10.28.21	Hypochlorite Solution	
		Astorino	Northern Electrical Testing	\$ 859.00	Invoice #19554 - 9.30.21	Abnormal Pump Voltage Inspection	
		Astorino	Presidio	\$ 1,223.75	Invoice #6023421005437A - 10.27.21	SCADA As-Needed	
		Astorino	Rotor Electric	\$ 1,900.10	Invoice #12455 - 10.9.21	Electrical Panel Improvements	
		Astorino	The Macomb Group	\$ 667.17	Invoice #6333492 - 10.21.21	Safety Barriers	
		Astorino	Weiss Construction	\$ 75,150.67	Invoice #PAY EST #10 - 10.28.21	Disinfection Improvements through 10.28.21 - Final	
Total			\$ 369,243.11				



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	10/21/21
4. SET ID		5. POST DATE
VP 211022MA		9.30.21

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Aloia & Associates, P.C.	V25733	01	22821	9/1/2021	\$ 845.50

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job 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	8200017M	80139	CC0004	80139	WO18006	8 1/2 Mile Relief	Re: 1000-25 Aug 2021	\$ 845.50	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 845.50 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/my</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 Mile Relief</u> 31. Project Balance: <u>N/A</u> 32. Staff Date: <u>11/2/2021</u> 33. Board Date: <u>11/8/2021</u> 34. Select For Pay Date: _____
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ALOIA & ASSOCIATES, P.C.

48 South Main Street, Suite 3
 Mount Clemens, MI 48043
 (586) 783-3300

Invoice submitted to:

8 1/2 Mile Drain Drainage District Macomb County Department of Public Works Attn: Brian Baker 21777 Dunham Road Clinton Township, MI 48036
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<i>Invoice Date</i>	<i>Invoice Number</i>	<i>Last Bill Date</i>
September 1, 2021	22821	August 1, 2021

In Reference To: File No. 1000-25
 8 1/2 Mile Drain Drainage District

Professional Services

	<u>Hours</u>	<u>Amount</u>
8/11/2021 JMC Email with Vincent Astorino regarding meeting with Shore Club.	0.25	47.50
8/24/2021 JMC Appearance at meeting at Chapaton Pump Station.	2.10	399.00
BJA Prepare for meeting; meeting at Chapaton Pump Station to discuss project.	2.10	399.00
For professional services rendered	<u>4.45</u>	<u>\$845.50</u>
Previous balance		\$1,482.00
Accounts receivable transactions		
9/17/2021 Payment - Thank You. Check No. 5642		(\$1,178.00)
9/24/2021 Payment - Thank You. Check No. 5673		(\$304.00)
Total payments and adjustments		<u>(\$1,482.00)</u>
Balance due		<u><u>\$845.50</u></u>

Timekeeper Summary

<u>Name</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Benjamin J. Aloia	2.10	190.00	\$399.00

<u>Name</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Jeffrey M. Candela	2.35	190.00	\$446.50



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	10/27/21
4. SET ID		5. POST DATE
VP211028MA		9/30/21

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Colville Electric Co., LLC	V50164	02	210529	10/26/2021	\$ 5,277.03

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job 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	8200017M	93001	CC0004	93001	WO18006	8 1/2 Mile Relief	Job #202110530; 7/28/21	\$ 5,277.03	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 5,277.03 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Demo old wiring from control room

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>11/2/2021</u></p> <p>33. Board Date: <u>11/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
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Colville Electric Co., LLC

23416 Gratiot Ave
 Eastpointe MI 48021
 (586) 774-9110
 Office@ColvilleElectric.com

8 1/2 OIM

Invoice

DATE	10/26/2021
INVOICE #	210529
TERMS	NET 30

BILL TO
Macomb County DPW 21777 Dunham Road Clinton Township, MI, 48036

SERVICE LOCATION
Macomb County DPW 23001 Nine Mile Rd. St. Clair Shores, MI, 48080

JOB#	DATE	PO	DESCRIPTION
202110530	07/28/2021		Demo old wiring from control room. Completion Notes: Locate and remove any unused or not needed data or analog wires inside scada as well as data cabinets 8/02/21- continue to locate and remove old un-used scada wires or data, begin pipe chase from scada cabinet to garage junction box. 08/03/21- complete conduit chase in craw space. 08/04/21- remove all spliced wires inside yellow cabinet and re terminate inside scada. 08/05/21- eliminate all wiring running through old yellow cabinet. Relocate UPS, patch panel and switches from yellow cabinet to black data rack. Organize wiring inside scada cabinet.

Description	Qty	Rate	Total
RMC 125 1-1/4" Rigid Conduit Per Foot	30.00	\$0.00	\$0.00
LB MAL 125 1-1/4' LB Malleable Iron Conduit Body	1.00	\$34.66	\$34.66
LB MAL 200 2' LB Malleable Iron Conduit Body	1.00	\$90.12	\$90.12
RMC 90 200 2' RMC 90 Deg Elbow	1.00	\$14.60	\$14.60
200 rmc compression connector	1.00	\$9.25	\$9.25
ERC 125 1-1/4' 3-Piece Coupling, Erickson	1.00	\$10.47	\$10.47
12126 N1 12x12x6' Nema1	1.00	\$48.60	\$48.60
HUB 125 1-1/4 Meyers Hub	1.00	\$16.82	\$16.82
RMC UNI 125 1-1/4' RMC Unistrut Strap	2.00	\$2.26	\$4.52
RMC UNI 200	1.00	\$2.84	\$2.84

2' RMC Unistrut Strap				
7/8 Galvinize Slotted	10.00	\$1.74	\$17.40	
7/8 Unistrut, Galvanized, Slotted				
RMC CB 125	3.00	\$1.61	\$4.83	
1-1/4' RMC Malleable Iron Clamp Back				
07/26/2021 - Dave Colville				
Labor Time (1hr 0min)		\$135.00/hr	\$135.00	
07/28/2021 - Evan Nicholson				
Labor Time (7hr 16min)		\$90.00/hr	\$654.00	
08/02/2021 - Evan Nicholson				
Labor Time (7hr 26min)		\$90.00/hr	\$669.00	
08/03/2021 - Evan Nicholson				
Labor Time (4hr 47min)		\$90.00/hr	\$430.50	
08/03/2021 - Steve Tribu				
Labor Time (4hr 50min)		\$90.00/hr	\$435.00	
08/03/2021 - Dave Colville				
Labor Time (2hr 30min)		\$135.00/hr	\$337.50	
08/04/2021 - Evan Nicholson				
Labor Time (7hr 28min)		\$90.00/hr	\$672.00	
08/04/2021 - Dave Colville				
Labor Time (4hr 0min)		\$135.00/hr	\$540.00	
08/05/2021 - Evan Nicholson				
Labor Time (8hr 7min)		\$90.00/hr	\$730.50	
08/06/2021 - Evan Nicholson				
Labor Time (2hr 27min)		\$90.00/hr	\$220.50	
08/06/2021 - Steve Tribu				
Labor Time (1hr 17min)		\$65.00/hr	\$83.42	
08/06/2021 - Jared Hayosh				
Labor Time (1hr 17min)		\$90.00/hr	\$115.50	

SUB-TOTAL:
\$254.11

TIME & LABOR:
\$5,022.92

EXPENSES:
\$0.00

PMTS/DEPS:
\$0.00

TOTAL DUE:
\$5,277.03

CUSTOMER MESSAGE

Invoice Total: \$5,277.03
Deposits (-): \$0.00
Payments (-): \$0.00
Total Due: \$5,277.03



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 10/27/21
4. SET ID VP211028MB		5. POST DATE

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to) Colville Electric Co., LLC	7. VENDOR NUMBER V50164	8. ADDR CODE 02	9. Invoice No (MAX = 16 CHARACTERS) 210542	10. Invoice Date 10/26/2021	11. Invoice Amount \$ 2,390.60
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CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job 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	93002	CC0004	93002	WO18006	8 1/2 Mile Relief	Job #202110705; 10/6/21	\$ 2,390.60	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 2,390.60

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Repair primary motor starter

25. Finance Officer: BM/mh

26. Chief Deputy: _____

27. Engineers: _____

28. Managers: _____

29. Coordinator: _____

30. Drain: 8 1/2 Mile Relief

31. Project Balance: N/A

32. Staff Date: 11/2/2021

33. Board Date: 11/8/2021

34. Select For Pay Date: _____

Colville Electric Co., LLC

23416 Gratiot Ave
 Eastpointe MI 48021
 (586) 774-9110
 Office@ColvilleElectric.com

Invoice

DATE	10/26/2021
INVOICE #	210542
TERMS	NET 30

BILL TO
Macomb County DPW 21777 Dunham Road Clinton Township, MI, 48036

SERVICE LOCATION
Macomb County DPW 23001 Nine Mile Rd. St. Clair Shores, MI, 48080 <i>812 03 M</i>

JOB#	DATE	PO	DESCRIPTION
202110705	10/06/2021		Repair primary motor starter Completion Notes: Motor #1 exciter cabinet had burnt wiring. Replaced wiring and verified all lugs were properly torqued. Replaced burnt wiring for motor #3. Properly torqued all wiring for pump #2/#3.

Description	Qty	Rate	Total
2/0 Welding Cable Copper 000	16.00	\$6.21	\$99.36
COMP CU LUG 3/0 1 Hole Compression Lug, CU, 3/0 AWG	14.00	\$8.59	\$120.26
0.10"-0.82" 3M Cold Shrink Tube	4.00	\$24.60	\$98.40
\$75 Service Call fee		\$75.00	\$75.00
10/06/2021 - Dave Colville			
Labor Time (5hr 30min)		\$135.00/hr	\$742.50
10/06/2021 - Anthony DeMaria			
Labor Time (8hr 7min)		\$65.00/hr	\$527.58
10/06/2021 - Jared Hayosh			
Labor Time (8hr 5min)		\$90.00/hr	\$727.50

SUB-TOTAL: \$393.02
 TIME & LABOR: \$1,997.58
 EXPENSES: \$0.00
 PMTS/DEPS: \$0.00
 TOTAL DUE: \$2,390.60

CUSTOMER MESSAGE

Invoice Total: \$2,390.60
Deposits (-): \$0.00
Payments (-): \$0.00
Total Due: \$2,390.60



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	10/27/21
4. SET ID		5. POST DATE
VP211028MB		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Colville Electric Co., LLC	V50164	02	210547	10/26/2021	\$ 1,027.92

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job 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	Job #202110737; 10/21/21	\$ 1,027.92	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 1,027.92 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Test Pump 3

25. Finance Officer: <u>BM/mh</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 Mile Relief</u> 31. Project Balance: <u>N/A</u> 32. Staff Date: <u>11/2/2021</u> 33. Board Date: <u>11/8/2021</u> 34. Select For Pay Date: _____
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Colville Electric Co., LLC

23416 Gratiot Ave
 Eastpointe MI 48021
 (586) 774-9110
 Office@ColvilleElectric.com

Invoice

DATE	10/26/2021
INVOICE #	210547
TERMS	NET 30

BILL TO
Macomb County DPW 21777 Dunham Road Clinton Township, MI, 48036

SERVICE LOCATION
Macomb County DPW 23001 Nine Mile Rd. St. Clair Shores, MI, 48080 <i>8 1/2 OJM</i>

JOB#	DATE	PO	DESCRIPTION
202110737	10/21/2021		Test pump 3 Completion Notes: Tested pump 3 with thermal imaging. Re-torqueloose connections.

Description	Qty	Rate	Total
\$75 Service Call fee		\$75.00	\$75.00
10/21/2021 - Anthony DeMaria			
Labor Time (5hr 59min)		\$65.00/hr	\$388.92
10/21/2021 - Jared Hayosh			
Labor Time (6hr 16min)		\$90.00/hr	\$564.00

SUB-TOTAL:	TIME & LABOR:	EXPENSES:	PMTS/DEPS:	TOTAL DUE:
\$75.00	\$952.92	\$0.00	\$0.00	\$1,027.92

CUSTOMER MESSAGE

Invoice Total:	\$1,027.92
Deposits (-):	\$0.00
Payments (-):	\$0.00
Total Due:	\$1,027.92



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	10/19/21
4. SET ID		5. POST DATE
VP211022 MA		9/30/21

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
De-Cal, Inc.	V59694	01	WO90021105-3	10/14/2021	\$ 1,558.70

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job 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	8200017M	93002	CC0004	93002	WO18006	8 1/2 Mile Relief	Job #900-21-105-3;9/22 & 9/28	\$ 1,558.70	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 1,558.70 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
 3rd Qtr PM and coil clean

25. Finance Officer: <u>BM/mh</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 Mile Relief</u> 31. Project Balance: <u>N/A</u> 32. Staff Date: <u>11/2/2021</u> 33. Board Date: <u>11/8/2021</u> 34. Select For Pay Date: _____
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DE-CAL, Inc.
 24659 Schoenherr Rd.
 Warren, MI 48089-4775
 Service Phone: 586-619-0281
 Service Fax: 586-486-5242

Service Invoice

Invoice #: WO90021105-3

Date: 10/14/2021

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

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

Attn: Accounts Payable

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

Assembly#	Part#	Description	Quantity	Price	Ext Price	Sales Tax
		See Attached	1.0000	1,558.700000	1,558.70	N

Notes:
 See Work Order for Details

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: \$ 1,558.70



De - Cal Service Group

Commercial & Industrial HVAC Service, Building Automation

Chillers, Boilers, Piping & Plumbing

24659 Schoenherr Rd.

Warren, MI 48089

Phone: 586-619-0281

www.de-cal.com

Customer Name:	Macomb County Chapaton	Date:		De-Cal Job #	900-21-105-3
Job Site Location:					
Description Of Work Performed:	3rd Quarter PM and coil clean			PO #	
				Site Contact:	
LABOR HOURS					
<i>Labor Type</i>	<i>Dates, Technicians</i>		<i>Total Hours</i>	<i>Total</i>	
HVAC Technician			13.0	\$	1,462.50
Controls Technician				\$	-
Boiler Technician				\$	-
Chiller Technician				\$	-
OT				\$	-
DT				\$	-
Veh/Tool Allowance			1.0	\$	75.00
MATERIALS/SUBCONTRACTORS UTILIZED					
<i>Unit #</i>	<i>Material Description</i>	<i>Part #</i>	<i>Quantity</i>	<i>Price</i>	
	Consumables		1.0	\$	20.00
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
Total Work Order				Material Tax %	\$ 1.20
				Sell For	
				TOTAL BILLING:	\$ 1,558.70

Service Report



Service Report No : 900-21-105-3-1

Date: September 22, 2021

Client P.O. #: N/A

HVAC Service

Further Work Required

Site:

Macomb Chapaton Pump station
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:

3rd Quarter PM & coil clean

Description of Service:

9-22 Performed 3rd quarter P.M. on H.V.A.C. equipment, checked operation of 9 radiant htrs. on mtr. pump floor, checked operation of 3 Air handlers replaced filters, checked belts were necessary, started up boiler, confirmed it operated properly, scheduled Rob M. for CSD-1 test. checked operation of @ gas fired unit htrs in garage area, checked good. started to check out East bldg. equip. found gas to bldg locked out with a consumers energy lock on valve, Kris was not available to inform why lock was on, replaced filters on 2- furnaces, started up and confirmed units would make it to ignition

notes: need to return to clean condenser coils and finish confirming gas fired equipment is operating properly in East bldg.

Technician Work

Name	Date	Reg. hrs	Prem. hrs
Cliff Wilkerson	Sep 22, 2021	4	0
Jeff Smith	Sep 22, 2021	5	0

Service Report



Service Report No : 900-21-105-3-2

Date: September 28, 2021

Client P.O. #: N/A

HVAC Service

Ready to Invoice/Work Complete

Site:

Macomb Chapaton Pump station
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:

3rd Quarter PM & coil clean

Description of Service:

9-28 Finished performing preventive maint. on H.V.A.C equip. on Chapaton east bldg. gas was turned back on. started up and checked operation of 2 furnaces, HWH, 3 electric htrs., 6 unit htrs.,

Suggested to Kris that unit htrs in chlorine storage tank area, due to age of units 1 is sooted up, parts are unavailable due to age of units, 42 yrs. old

Cleaned 4 split system condensers

Technician Work

Name	Date	Reg. hrs	Prem. hrs
Cliff Wilkerson	Sep 28, 2021	4	0



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95337	3. DATE 10/15/21
4. SET ID FSB Bill Pay 10/31/21		5. POST DATE

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
DTE Energy	V01270	08	S1R0J-4CL6B	10/8/2021	\$ 13,135.79

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job 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	92101	CC0004	92101	WO18006	8 1/2 Mile Relief	Acct #9100-0005-3785, 9/9-10/7	\$ 13,135.79	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **13,135.79** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>11/2/2021</u></p> <p>33. Board Date: <u>11/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
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Payment Coupon

Account Number	910000053785
Due Date:	November 02, 2021
Total Due:	\$13,135.79

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

Mail Payments to:
 DTE Energy
 P.O. Box 740786
 Cincinnati OH 45274-0786

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

Account Information

SIRW-4CL6B

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

Account Number	9100-0005-3785
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DTE-Energy Federal ID No.	38-3217752
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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



Summary Of Charges

Account Number 9100-0005-3785

Previous Balance as of 09/10/2021	11,144.85
Payment(s) and Credit(s)	- 11,144.85
Remaining Balance	\$0.00

Current Charges

Service Location	Item	Service Type	Rate	Bill Period	Amount
23001 E 9 Mile Rd	7004376662	General Service Municipal Pumping-Net Metering Cat1	EFCND3_WP	09/09 - 10/07/21	13,135.79
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$13,135.79

Amount Due on or before Due Date of 11/02/2021 **\$13,135.79**

Your current charges are due on November 2, 2021. 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: 200123191852

Billing Period: 09/09/2021 through 10/07/2021

Days Billed: 29

Metering Information

Meter Number	Start Date	Start Read	Stop Date	Stop Read	Read Difference	Units Multiplier	Usage Used	Type
10056082	09/09	97.2A	10/07	104.6A	7.4	6,400.0000	47,360.0	P - In-V
10056082	09/09	133.1A	10/07	146.0A	12.9	6,400.0000	82,560.0	P - In-W
10056085	09/09	0.0A	10/07	0.0A	0.0	6,400.0000	0.0	P - In-V
10056085	09/09	0.0A	10/07	0.0A	0.0	6,400.0000	0.0	P - In-W
10098716	09/09	0.0A	10/07	0.1A	0.1	- 6400.0000	640.0	P - Out-V
10098716	09/09	0.0A	10/07	0.0A	0.0	- 6400.0000	0.0	P - Out-W
Total KVARH							48,000.00	
Total KWH							82,560.00	

Invoice: 200123191852 Service Name: Chapaton Pumping Station

Item: 7004376662 Cycle: 05

General Service Municipal Pumping-Net Metering Cat1

Billing Status Information

1	On-peak Billing Demand	2186	KW	ESTABLISHED	09/22/2021	16:30
3	65% High OP Bill Dmd June-Oct prec 11 mths	3697	KW	ESTABLISHED	07/16/2021	15:00
8	Highest Single Billing Demand	2760	KW	ESTABLISHED	09/23/2021	03:00
A	Current PV High Monthly Demand	2760	KW	ESTABLISHED	09/23/2021	03:00
B	50% of the Contract Capacity for PV	0	KW			
C	Primary Voltage Maximum Demand	5842	KW	ESTABLISHED	08/12/2021	07:00
	Contract Capacity for Location	6738	KW			
	Power Factor (ratio) for all voltages	87	PCT			
	Total Number of days in the Billing Period	29	DAYS			
	Avg Kilowatthours Used Per Day This Period	2847	KWH			
	Avg Kilowatthours Used Per Day A Year Ago	927	KWH			
	kWh percentage change from a year ago	207	PCT			
	Metered outflow	0	KWH			
	Net Delivery Billed (inflow)	82560	KWH			
	Net Inflow (In - Out)	82560	KWH			

Charges for 09/09/2021 through 10/07/2021

Power Supply Charges:

Power Supply Energy:

Power Supply Capacity Charge	82,560	KWH	@ \$	0.0390000	Per Total KWH	3,219.84
Power Supply Non Capacity Charge	82,560	KWH	@ \$	0.0434500	Per Total KWH	3,587.23

Surcharges:

Power Supply Cost Recovery Factor	82,560	KWH	@ \$	0.0032200	Per Total KWH	265.84
Sub Total:						7,072.91

Delivery Charges:

Service Charge 11.25

Distribution:

Distribution Energy	82,560	KWH	@ \$	0.0386800	Per Total KWH	3,193.42
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Surcharges:

Transitional Recovery Mechanism	82,560	KWH	@ \$	0.0017940	Per Total KWH	148.11
Nuclear Surcharge	82,560	KWH	@ \$	0.0008420	Per Total KWH	69.52
LIEAF Factor	2	MTR	@ \$	0.8700000		1.74
Other Delivery Surcharges						138.84
Sub Total:						3,562.88

Special Facilities Charge 2,500.00

Invoice Subtotal

13,135.79

Michigan State Sales Tax On Taxable Portion

0.00

Invoice Total

\$13,135.79



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	9-5966	10/13/21
4. SET ID		5. POST DATE
VP211013MA		9/30/21

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Fahey Schultz Burzych Rhodes	V43566	01	61824	10/6/2021	\$ 760.00

CHILD RECORD DETAIL INFORMATION										
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIVISION	21. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)				
A	8200017M	80139	CC0004	80139	WO18006	8 1/2 Mile Relief	RE: 8 1/2 Mile Drain, Sep 2021	\$ 760.00	GEN	
B										
C										
D										
E										
F										
G										

REV 09/2018

22. Total: \$ 760.00

23. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>24. Finance Officer: <u>BM/mh</u></p> <p>25. Chief Deputy: _____</p> <p>26. Engineers: _____</p> <p>27. Managers: _____</p> <p>28. Coordinator: _____</p>	<p>29. Drain: <u>8 1/2 Mile Relief</u></p> <p>30. Project Balance: <u>N/A</u></p> <p>31. Staff Date: <u>11/2/2021</u></p> <p>32. Board Date: <u>11/8/2021</u></p> <p>33. Select For Pay Date: _____</p>
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Fahey Schultz Burzych Rhodes

ATTORNEYS AT LAW FSBRLAW.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

October 6, 2021

Invoice # 61824

Billing Attorney: Stacy L. Hissong

For Professional Services Rendered Through: September 30, 2021

MATTER: 8.5 Mile Drain

<u>DATE</u>	<u>DESCRIPTION</u>	<u>TIMEKEEPER</u>	<u>HOURS</u>	<u>RATE</u>	<u>AMOUNT</u>
09/01/21	Draft Final Apportionment Meeting Materials; Correspond w/ Bond Counsel re: Meetings 3, 4, and Special Assessment Rolls	CDH	1.50	\$200.00	\$300.00
09/02/21	Phone Call w/ Bond Counsel re: Meeting & Finance Process; Correspond w/ SLH & PWC Office re: Same	CDH	0.50	\$200.00	\$100.00
09/03/21	Virtual Meeting w/ PWC Office & Bond Counsel re: Ch. 20 Process & Financing; Draft Meeting to Hear Objections Materials; Correspond w/ PWC Office re: Process Outline & Materials	CDH	1.80	\$200.00	\$360.00
Totals					\$760.00
Total Fee & Disbursements					\$760.00
Balance Forward <i>(Please disregard if already paid)</i>					\$0.00
Balance Due					\$760.00

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



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	10/15/21
4. SET ID		5. POST DATE
VP211018MA		9.30.21

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Fishbeck	V44063	01	404801	10/5/2021	\$ 20,453.62

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job 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	8200017M	80138	CC0004	80138	WO19005	8 1/2 Mile Relief	Pjt #190051 through 10/1/21	\$ 273.00	GEN		
B	8200017M	80138	CC0004	80138	WO21008	8 1/2 Mile Relief	Pjt #190051 through 10/1/21	\$ 20,180.62	GEN		0
C											
D											
E											
F											
G											

23. Total: \$ 20,453.62

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

As Needed Services

25. Finance Officer: <u>BM/mh</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 Mile Relief</u> 31. Project Balance: <u>\$79,347.47</u> 32. Staff Date: <u>11/2/2021</u> 33. Board Date: <u>11/8/2021</u> 34. Select For Pay Date: _____
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**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 10/6/2021

INVOICE START DATE 9/4/2021

INVOICE END DATE 10/1/2021

ORIGINAL CONTRACT AMOUNT	\$ 151,919.00
CHANGE ORDER TOTAL	\$ 203,732.00
Change Order No. 1	\$ 75,000.00
Change Order No. 2	\$ 128,732.00
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 355,651.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 255,849.91
TOTAL AMOUNT DUE THIS INVOICE	\$ 20,453.62
TOTAL BUDGET REMAINING	\$ 79,347.47
(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 : 404801
Invoice Date : 10/5/2021
Project : 190051
Project Name : Macomb Co PW/8.5 As-needed
 Engineering
Bill Term : 1

For Professional Services Rendered Through 10/1/2021

WO19005

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1 - Genral As Needed	27,057.12	27,057.12	0.00	0.00	0.00
1.A - Task 1a - Chapaton Structural Study	46,910.34	0.00	46,910.34	46,910.34	0.00
1.B - Task 1b - 9 Mile Pipe Repair (WO19105)	20,816.15	0.00	20,816.15	20,816.15	0.00
1.C - Task 1c - In-System Storage As-Needed	10,185.00	55.30	10,129.70	10,129.70	0.00
1.D - Task 1d - Office Improvements	21,393.90	0.00	21,393.90	21,393.90	0.00
1.E - Task 1e - Maps	7,500.00	1,657.89	5,842.11	5,842.11	0.00
1.F - Task 1f - Chapaton Sampling Plan	4,065.60	0.00	4,065.60	4,065.60	0.00
1.G - Task 1g - Chapaton Survey	2,084.25	0.00	2,084.25	2,084.25	0.00
1.H - Task 1h - Chapaton Bar Screen Hydraulic Isolation	2,976.75	0.00	2,976.75	2,976.75	0.00
1.I - Task 1i - Chapaton Environmental Study	8,521.60	0.01	8,521.59	8,521.59	0.00
1.j - Task 1j - Chapaton Flow Meter Drawings	2,680.00	0.00	2,680.00	2,680.00	0.00
1.k - Task 1k - Chapaton High Water Protection	4,783.80	0.00	4,783.80	4,783.80	0.00
1.l - Task 1l - Chapaton 3D Animation	3,557.00	0.00	3,557.00	3,557.00	0.00
1.M - Task 1m - Chapaton Ground Penetrating Radar	4,589.00	0.00	4,589.00	4,589.00	0.00
1.N - Task 1n - Chapaton Div 01 Specs	3,428.00	0.00	3,428.00	3,428.00	0.00
1.O Task 1o - RTB & 9EB Structural Repair WO21008	148,682.00	56,531.32	112,331.30	92,150.68	20,180.62
Expenses	20,180.62				
1.P - Task 1p - SRF 5685-01 Project Plan Amendment	22,500.00	3,999.45	18,500.55	18,500.55	0.00
1.Q - Task 1q - Chapaton Canal Expansion Analysis	3,420.49	0.00	3,420.49	3,420.49	0.00
1.R - Task 1r - 8DR Confined Space Entry/LOTO Program	10,500.00	10,500.00	273.00	0.00	273.00
Rate Labor	273.00				

Current Billings	20,453.62
Amount Due This Bill	<u>20,453.62</u>

1.O - Task 1o - RTB & 9EB Structural Repair

Expenses			
<i>Account / Vendor</i>	<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>
Subconsultant			
NTH Consultants Ltd	19,219.64	1.05	20,180.62
Total Expenses			20,180.62

1.R - Task 1r - 8DR Confined Space Entry/LOTO Program

Rate Labor			
<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Senior Industrial Hygienist	1.00	163.0000	163.00
Staff Engineer	1.00	110.0000	110.00
Total Rate Labor			273.00

Total Bill Task: 1.R - Task 1r - 8DR Confined Space Entry/LOTO Program **273.00**

Total Project: 190051 - Macomb Co PW/8.5 As-needed Engineering **20,453.62**



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	10/15/21
4. SET ID		5. POST DATE
VP211018MA		POST 9-30-21

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Fishbeck	V44063	01	405536	10/12/2021	\$ 8,652.15

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job 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	8200017M	80138	CC0004	80138	WO19082	8 1/2 Mile Relief	Pjt #191498 thru 10/1/21	\$ 8,652.15	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 8,652.15 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Chapaton Building Renovation

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>\$0.00</u></p> <p>32. Staff Date: <u>11/2/2021</u></p> <p>33. Board Date: <u>11/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--



Engineers | Architects | Scientists | Constructors

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 : 405536
Invoice Date : 10/12/2021
Project : 191498
Project Name : Macomb Co PW/Chapaton Bldg
Renovation
Bill Term : 1

For Professional Services Rendered Through 10/1/2021

WO19082 WWS-2019-016

Fee	% Complete	Billings		
		To Date	Previous	Current
111,495.00	100.00	111,495.00	102,842.85	8,652.15
			Current Billings	<u>8,652.15</u>
			Amount Due This Bill	<u>8,652.15</u> ✓



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	10/26/21
4. SET ID		5. POST DATE
VP211026MA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Grainger	V01909	04	9082928509	10/12/2021	\$ 932.78

CHILD RECORD DETAIL INFORMATION												
Line	General Ledger		Job 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	72613	CC0004	72613	WO18006	8 1/2 Mile Relief	Ac#803170893, Pipe	\$ 932.78	GEN			
B												
C												
D												
E												
F												
G												

23. Total: \$ 932.78 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>11/2/2021</u></p> <p>33. Board Date: <u>11/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	---



ORIGINAL INVOICE

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

GRAINGER ACCOUNT NUMBER 803170893
INVOICE NUMBER 9082928509
INVOICE DATE 10/12/2021
DUE DATE 11/11/2021
AMOUNT DUE \$932.78

SHIP TO
ATTN: R. BUGAMELLI
MACOMB COUNTY PUBLIC WORKS
23001 E 9 Mile Rd
Saint Clair Shores MI 48080-1576

PO NUMBER: Chapaton RTB
CALLER: ROBERT BUGAMELLI
CUSTOMER PHONE: 5867723425
ORDER NUMBER: 1428047460
INCO TERMS: FOB ORIGIN

8 1/2 Mile

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

Pay invoices online at:
www.grainger.com/invoicing

THANK YOU! FEI NUMBER 36-1150280

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

PO LINE #	ITEM #	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
1	4NXT6	SIDE-OUTLET ELBOW,FR PIPE SZ 1 1/4 IN MANUFACTURER # 4NXT6	20	16.14	322.80
2	4NXU4	RAILING BASE FLANGE,FR PIPE SZ 1 1/4 IN MANUFACTURER # 4NXU4	20	16.65	333.00
3	4NXT7	SIDE-OUTLET TEE,FR PIPE SZ 1 1/4 IN MANUFACTURER # 4NXT7 Delivery #6525784069 Date Shipped:10/12/2021 Carrier: FDX GROUND No:of Pkgs:3 Wt: 128.100 Trk #:540241512695 540241513680 540241513740 SHIPPED FROM: DC MINOOKA 005 701 GRAINGER WAY,MINOOKA,IL 60447-9998	22	12.59	276.98

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

INVOICE SUB TOTAL 932.78

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

PAY THIS INVOICE - PAYMENT TERMS Net 30 days after inv IN U.S. DOLLARS.

AMOUNT DUE \$932.78

PLEASE DETACH THIS PORTION AND RETURN WITH YOUR PAYMENT

BILL TO:
MACOMB COUNTY PUBLIC WORKS
21777 DUNHAM RD
CLINTON TOWNSHIP MI 48036-1005
UNITED STATES OF AMERICA

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

8031982259082928509100009327810000000100000001000000211111H5

X ACCOUNT NUMBER 803170893 DATE 10/12/2021 INVOICE NUMBER 9082928509 AMOUNT DUE \$932.78



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	11/1/21
4. SET ID		5. POST DATE
NP21101 MUA		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
JCI JONES CHEMICALS INC	V65297	01	871046	10/28/2021	\$ 4,676.13

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job 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	72650	CC0004	72650	WO18006	8 1/2 Mile Relief	Order #648141; 10/28/21	\$ 4,676.13	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **4,676.13**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>11/2/2021</u></p> <p>33. Board Date: <u>11/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
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www.jcichemicals.com

INVOICE

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

Inv Date	Invoice #
10/28/2021	871046
Date Shipped	Order/BOL #
10/28/2021	648141

Customer Number
 21543215

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

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

Customer PO #		FOB Remark		Freight Terms		Sales ID			
VBL-CHRIS BENDA		Destination		Delivered		NORTH			
Release #		Ship Via		Terms		Due Date		Discount Due Date	
		Harold Marcu		N 30		11/27/2021		11/27/2021	
Units	Package	Product Name		Total Quantity	Unit Price	Amount			
4,555.00	1 Gal Bulk	HYPOCHLORITE SOLUTION, SS150 1201-001 BULK (\$85 Stop Fee) (+ fsc)		4,555.0000/Gal	1.0200 /Gal	4,646.10			
General Remarks:		<> EMAIL INVOICE TO: michelle.houvener@macombgov.org <> NET 46040							
		Fuel Surcharge				30.03			

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Total: **4,676.13**

Remit To: **JCI Jones Chemicals, Inc.**
P.O. BOX 748240
Atlanta, GA 30374-8240 USA

PLEASE PAY
THIS AMOUNT





ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 10/13/21
4. SET ID VP211013MA	5. POST DATE 9.30.21	

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Northern Electrical Testing	V03635	01	19554	9/30/2021	\$ 859.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job 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	8200017M	93002	CC0004	93002	WO18006	8 1/2 Mile Relief	Job #2021-294; Pump Voltage	\$ 859.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **859.00**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Investigate problems observed with abnormal voltages and currents during a recent storm

25. Finance Officer: <u>BM/mh</u>	30. Drain: <u>8 1/2 Mile Relief</u>
26. Chief Deputy: _____	31. Project Balance: <u>N/A</u>
27. Engineers: _____	32. Staff Date: <u>11/2/2021</u>
28. Managers: _____	33. Board Date: <u>11/8/2021</u>
29. Coordinator: _____	34. Select For Pay Date: _____



INVOICE



Remit To:

NORTHERN ELECTRICAL TESTING, LLC
1991 WOODSLEE DRIVE
TROY, MI 48083-2236
248-689-8980
(fax) 248-689-3418

POWER SYSTEM SPECIALISTS[®]

AR@NorthernTesting.com

<p>SOLD TO: MACOMB COUNTY O.P.W. 23001 WEST NINE MILE ROAD ST. CLAIR SHORES, MI 48080</p> <p>ATTN: KRISTOFER BENDA</p> <p>PHONE: 586-772-3425 EMAIL: Kristofer.Benda@MacombGov.org</p>	<p>Date: September 30, 2021 Invoice Number: 19554 NET Job #: 2021-294 Customer P.O. # Release # Due Date: October 30, 2021 DUNS NUMBER 03-878-6026</p>
DESCRIPTION	AMOUNT
<p>RE: Chapaton Pumping Station 23001 West Nine Mile Road St. Clair Shores, MI 48080 Troubleshoot Current Spikes and Sags</p> <p>Provided services to investigate problems observed with abnormal voltages and currents noted during a recent storm water pump run event. Services completed on June 21, 2021.</p> <p>Minimum Service Charge (Straight Time):</p> <p>Note: A Service Charge of 1.5% of the invoice amount will be charged for each month or portion thereof, for payment after indicated due date.</p>	<p>COMPLETE</p> <p>\$859.00</p>
<p>TOTAL AMOUNT OF THIS INVOICE</p>	<p>\$859.00</p>



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	10/29/21
4. SET ID		5. POST DATE
VP211101MA		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Presidio	V56026	03	6023421005037A	10/27/2021	\$ 3,290.00

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job 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	8210166M	80126	CC0014	80126	WO20033	MIDDD	Order #3001222105086	\$ 1,414.70	GEN		
B	8210166M	80126	CC0014	80126	WO20033	MIDDD (OMID)	Order #3001222105086	\$ 230.30	GEN		0
C	8210017M	80126	CC0014	80126	WO20033	8 1/2 Mile Relief	Order #3001222105086	\$ 1,233.75	GEN		0
D	8210072M	80126	CC0014	80126	WO20033	Martin	Order #3001222105086	\$ 246.75	GEN		0
E	8713018M	80126	CC0014	80126	WO20033	SEMCWWDS	Order #3001222105086	\$ 164.50	GEN		0
F											
G											

REV 09/2018

23. Total: \$ 3,290.00

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>Multiple</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>11/2/2021</u></p> <p>33. Board Date: <u>11/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--



Presidio Networked Solutions Group, LLC
 EIN: 76-0515249, DUNS: 15-405-0959
 For questions on this invoice please call:
 Susan Lambert
 (p) +1.301.313.2038, (f)
 slambert@presidio.com

Please send payments
 made payable to:
 Presidio Networked Solutions Group, LLC
 PO Box 677638
 Dallas, TX 75267-7638

Wire or ACH Payments:
 PNC Bank
 Acct: 8616159745
 ABA 031000053

INVOICE: 6023421005437A

DATE: 10/27/2021

PAGE: 1 of 1

BILL TO: Macomb County
 Accounts Payable
 21777 Dunham Road
 Clinton Township, MI 48036

WORK LOCATION: Macomb County
 Jennifer Laymon
 120 North Main Street
 Mount Clemens, MI 48043

Customer #: MACOM007
Account Manager: Scott Sutherland
Payment Terms: NET30
Title: MACOM007 SCADA Block Time (3001222105086) [TM]
Comments: 3001222105086

Customer PO#:
Order #: 3001222105086
Quote #: 2003521058385-01

Services

Resource	Task	Rate	Hours	OT Rate	OT Hours	Amount
Garrett Munson	Security Engineer	\$235.00	5.00	\$235.00	0.00	\$1,175.00
Garrett Munson	Security Engineer	\$235.00	1.00	\$235.00	0.00	\$235.00
Garrett Munson	Security Engineer	\$235.00	3.00	\$235.00	0.00	\$705.00
Shane D King	Security Engineer	\$235.00	4.00	\$235.00	0.00	\$940.00
Shane D King	Security Engineer	\$235.00	0.50	\$235.00	0.00	\$117.50
Shane D King	Security Engineer	\$235.00	0.50	\$235.00	0.00	\$117.50

Total: \$3,290.00

Subtotal:	\$3,290.00
MICHIGAN, STATE OF Taxes	\$0.00
Amount Due:	\$3,290.00

MIDD \$ 1414.70
 OMID \$ 230.30
 8 1/2 \$ 1233.75
 Martin \$ 246.75
 SEMCOWDS \$ 164.50

Invoice Details

Invoice Information

Invoice number:	6023421005437	Invoice Date:	10/27/2021
Customer:	Macomb County	Engagement:	MACOM007 SCADA Block Time (3001222105086) [TM]
Invoice Status:	Committed	Invoice currency:	USD

Time

Date	Resource	Project	Task	Description	Regular Hours	Regular hours written off/up	Rate	OT Hours	OT hours written off/up	OT Rate	Amount written off/up	Time Total
09/27/2021	Garrett Munson	MACOM007 SCADA Block Time (3001222105086) [TM]	Security Engineer	Reviewed additional changes from last weeks recommendations - looked into sdwan possibilities given current topologies.	3.00	0.000	235.0000	0.00	0.000	235.00	0.00	705.0000
10/04/2021	Garrett Munson	MACOM007 SCADA Block Time (3001222105086) [TM]	Security Engineer	Worked with customer. Also updating documentation	5.00	0.000	235.0000	0.00	0.000	235.00	0.00	1175.0000
10/11/2021	Garrett Munson	MACOM007 SCADA Block Time (3001222105086) [TM]	Security Engineer	Updating topology	1.00	0.000	235.0000	0.00	0.000	235.00	0.00	235.0000
Total:					9.00	0.000		0.00	0.000		0.00	2115.0000
10/13/2021	Shane D King	MACOM007 SCADA Block Time (3001222105086) [TM]	Security Engineer	Macomb SCADA Review and Knowledge Transfer with Garrett	0.50	0.000	235.0000	0.00	0.000	235.00	0.00	117.5000
10/19/2021	Shane D King	MACOM007 SCADA Block Time (3001222105086) [TM]	Security Engineer	Project Kickoff meeting with Macomb County	0.50	0.000	235.0000	0.00	0.000	235.00	0.00	117.5000
10/21/2021	Shane D King	MACOM007 SCADA Block Time (3001222105086) [TM]	Security Engineer	Working Session with Brent from Macomb County	4.00	0.000	235.0000	0.00	0.000	235.00	0.00	940.0000
Total:					5.00	0.000		0.00	0.000		0.00	1175.0000
Time Total:					14.00	0.000		0.00	0.000		0.00	3290.0000



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	10/21/21
4. SET ID		5. POST DATE
VP211022MA		9.30.21

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Rotor Electric	V69260	01	12445	10/19/2021	\$ 1,900.10

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job 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	8200072M	93002				Martin	Job 721505; 9/1/21	\$ 1,900.10	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 1,900.10

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Removed several thousand feet of abandoned control wires

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>Martin</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>11/2/2021</u></p> <p>33. Board Date: <u>11/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--



Rotor Electric Company of Michigan, LLC.

9522 GRINNELL
 DETROIT, MI 48213-1151
 PHONE (313) 891-0331 FAX (313) 921-5310
 "AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

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

Customer
 PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
721505	0	001	9/1/2021	10/19/2021	12445

BRENT WELSER

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	AS NEEDED MAINTENANCE	\$1,900.10	-	\$1,900.10	\$1,900.10	-	-
Totals:		\$1,900.10		\$1,900.10	\$1,900.10		
Less Retained:				-			
Invoice Total:				\$1,900.10			

MARTIN ROAD

RETENTION BASIN

complete electrical construction

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



Invoice Summary

Macomb County Public Works

Job No: 721505

Invoice No: 12445

Invoice Date: 10/19/2021

Rotor Electric Company of Michigan.
9522 Grinnell, Detroit, MI 48213-1151

Invoice Detail

INVOICE DETAIL	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	INVOICE TOTAL
Equipment				\$94.00		\$14.10	\$14.10	\$108.10
Labor	16.00			\$1,792.00		\$0.00	\$0.00	\$1,792.00
Invoice Totals:	16.00			\$1,886.00		\$14.10	\$0.00	\$1,900.10

Invoice Detail by Field Report

9/1/2021 Martin Rd Retention Basin

Report Number: G721505-00001	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$94.00		\$14.10	\$0.00	\$108.10
Labor	16.00			\$1,792.00		\$0.00	\$0.00	\$1,792.00
Report Totals:	16.00			\$1,886.00		\$14.10	\$0.00	\$1,900.10



9522 Grinnell, Detroit, MI 48213

FIELD REPORT

REPORT NO: G721505-
00001

CUSTOMER: Macomb County Public Works DATE: 9/1/2021 MCE JOB NO: 721505 SHEET OF

LOCATION OF WORK: Martin Rd Retention Basin CUSTOMER ORDER NO:

WORK PERFORMED:

We are working directly with Macomb County to facilitate the removal of several thousand feet of control wires abandoned over many years. These wires are no longer needed. We are also helping to create accurate as-built control drawings for the remaining equipment. These improvements will allow future contracts to be implimented with fewer conflicts.

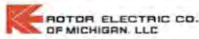
LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL	
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST		
<i>Foreman</i>										<i>Subtotal:</i>	<i>\$896.00</i>
Lemond, Darin	8.00	\$112.00	\$896.00		\$148.00	\$0.00		\$182.00	\$0.00		\$896.00
<i>Journeyman</i>										<i>Subtotal:</i>	<i>\$896.00</i>
Songer, Josh	8.00	\$112.00	\$896.00		\$148.00	\$0.00		\$182.00	\$0.00		\$896.00
										TOTAL:	\$1,792.00

EQUIPMENT

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST	
8.00	Service Truck	\$11.75		\$94.00	
				TOTAL:	\$94.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$94.00		\$14.10	\$0.00	\$108.10
Labor	16.00			\$1,792.00		\$0.00	\$0.00	\$1,792.00
REPORT TOTALS:	16.00			\$1,886.00		\$14.10	\$0.00	\$1,900.10



9522 GRINNELL DETROIT, MI 48213-1151

FIELD REPORT

ROTOR ELECTRIC CO.
(313) 891-0331/FAX (313) 891-051

FORM #

G 721505 - 00001

Job No Serial No

CUSTOMER:

DATE:

JOB NO:

LOCATION OF WORK:

CUSTOMER ORDER NO:

PO NO: PROJECT MANAGER:

WORK PERFORMED (BE AS DESCRIPTIVE AS POSSIBLE):

We are working directly with Macomb County to facilitate the removal of several thousand feet of control wires abandoned over many years. These wires are no longer needed. We are also helping to creat accurate as-built control drawings for the remain equipment. These improvements will allow future contracts to be implimented with fewer conflicts.

LABOR

NAME	TRUCK NO.	CLASSIFICATION	STRAIGHT TIME	TIME AND ONE HALF	DOUBLE TIME	SHIFT	COMMENTS
1 Darin Lemond	019	Foreman	8.00	0.00	0.00	1	
2 Josh Songer		Wireman	8.00	0.00	0.00	1	
TOTAL HOURS			16.00	0.00	0.00		

EQUIPMENT

DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY
1 Service Truck	1	2 Manlift Scissors to 25'	0	3 Pick Up Truck	0
4 Rolling Set Up	0	5 Manlift Boom to 40'	0	6 .None	0

MATERIALS

QTY	DESCRIPTION	PRICE	PER	EXTENSION
0	none	\$0.00		\$0.00

MATERIAL TOTAL

BY:

BY:

(SUPERVISOR SIGNATURE AND DATE)

(AUTHORIZED SIGNATURE AND DATE)

Darin Lemond

(PRINT NAME)

Brent Welser

(PRINT NAME)

721505- 00001



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	10/26/21
4. SET ID		5. POST DATE
VP211026MA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
The Macomb Group, Inc.	V10992	01	6333492	10/21/2021	\$ 667.17

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job 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	93002	CC0004	93002	WO18006	8 1/2 Mile Relief	Cust #109933, Pipe	\$ 667.17	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 667.17

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>11/2/2021</u></p> <p>33. Board Date: <u>11/8/2021</u></p> <p>34. Select For Pay Date: _____</p>
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3678313

INVOICE



THE MACOMB GROUP, INC
 Branch: 01 MG-STERLING
 6600 E. 15 MILE ROAD
 STERLING HEIGHTS, MI 48312
 USA

586-274-4100

Remit payment to:
 The Macomb Group, Inc.
 PO Box 671664
 DETROIT, MI 48267-1664

INVOICE	Invoice Date
6333492	10/21/2021 08:36:00
ORDER NUMBER	Page
3678313	1 of 1

Bill To:

MACOMB COUNTY PUBLIC WORKS
 23001 E. 9 MILE RD.
 ST CLAIR SHORES, MI 48080
 US

Ship To:

MACOMB COUNTY PUBLIC WORKS
 23001 E. 9 MILE RD.
 ST CLAIR SHORES, MI 48080
 US

Ordered By: BOB 586-557-1148

Customer ID: 109933

PO Number	Term Description	Net Due Date	Disc Due Date	Discount Amount
CHAPTON RTB	1% 10 NET 30	11/20/2021	10/31/2021	6.67

Order Date	Pick Ticket No	Job Name	Primary Salesrep	Taker
10/19/2021 13:54:08	5296252		1061	1076

Quantities					Item ID Item Description	Pricing UOM Unit Size	Unit Price	Extended Price
Ordered	Shipped	Remaining	UOM Unit Size	Disp.				

Carrier: OUR TRUCK

Tracking #:

189.0	189.0	0.0	FT		(010) 12540BLWPTCI	FT	3.53	667.17
			1.0		1-1/4 STD BLK WELDED PIPE T&C	-	1.0000	
					GLOBAL			

Total Lines: 1

SUB-TOTAL: 667.17
TAX: 0.00
AMOUNT DUE: 667.17

Chap Maint & Repair

A finance charge will be applied for all invoices not paid within terms. Would you like to receive invoices via **fax** or **email**? Contact our A/R department at 586-268-0720 or AR@macombgroup.com. Also, reprint your invoices from our website: www.macombgroup.com.

***Special Order and Non-Stock Items may be subject to freight charge.
 ***Special Order/Non-Stock Returned items are subject to mfg approval.

6333492



ORIGINAL





ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	10/29/21
4. SET ID		5. POST DATE
VP211029MA		9/30/21

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Weiss Construction	V081320	01	PAY EST #10	10/28/2021	\$ 94,718.48

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job 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	8200017M	21100	CC0004	21100	WO19073	8 1/2 Mile Relief	Pay Est #10, 9/1-10/28	\$ 75,150.67	GEN		
B	8200072M	21100			WO19074	Martin	Pay Est #10, 9/1-10/28	\$ 19,567.81	GEN		0
C											
D											
E											
F											
G											

23. Total: \$ 94,718.48 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

All work was completed prior to 9/30/21. This payment is releasing the accrued retainage collected during the project.

25. Finance Officer: <u>BM/mh</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 Mile; Martin</u> 31. Project Balance: <u>\$0.00</u> 32. Staff Date: <u>11/2/2021</u> 33. Board Date: <u>11/8/2021</u> 34. Select For Pay Date: _____
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Contractor's Application for Payment

Owner: <u>Macomb County Public Works</u>	Owner's Project No.: <u>WWS-2020-09</u>
Engineer: <u>Wade Trim Associates</u>	Engineer's Project No.: <u>Mcw 2006-01T</u>
Contractor: <u>Weiss Construction</u>	Contractor's Project No.: <u>2020-07</u>
Project: <u>Chapaton RTB and Martin RTB Disinfection Improvements</u>	
Contract: <u>WWS-2020-09</u>	
Application No.: <u>10</u>	Application Date: <u>10/28/2021</u>
Application Period: <u>From 9/1/2021</u>	<u>to 10/28/2021</u>

1. Original Contract Price	\$	995,925.00
2. Net change by Change Orders	\$	(44,534.19)
3. Current Contract Price (Line 1 + Line 2)	\$	951,390.81
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	\$	951,390.81
5. Retainage		
a. <u>0%</u> X \$ <u>951,390.81</u> Work Completed	\$	-
b. _____ X \$ _____ Stored Materials	\$	-
c. Total Retainage (Line 5.a + Line 5.b)	\$	-
6. Amount eligible to date (Line 4 - Line 5.c)	\$	951,390.81
7. Less previous payments (Line 6 from prior application)	\$	856,672.33
8. Amount due this application	\$	94,718.48
9. Balance to finish, including retainage (Line 3 - Line 4)	\$	-

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:

(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;

(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and

(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor: Weiss Construction - Josh Wittenbach

Signature: Josh Wittenbach **Date:** 10/28/2021

<p>Recommended by Engineer</p> <p>By: _____</p> <p>Title: _____</p> <p>Date: _____</p> <p>Approved by Funding Agency</p> <p>By: _____</p> <p>Title: _____</p> <p>Date: _____</p>	<p>Approved by Owner</p> <p>By: _____</p> <p>Title: _____</p> <p>Date: _____</p>
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CERTIFICATE OF SUBSTANTIAL COMPLETION

Owner: 8 1/2 Mile Relief Drain Drainage District Owner's Project No.: WWS-2020-009
Engineer: Wade Trim Associates, Inc. Engineer's Project No.: MCW 2006-01T
Contractor: Weiss Construction Co. LLC Contractor's Project No.: 2020-07
Project: Chapaton RTB and Martin RTB Disinfection Improvements
Contract Name: Chapaton RTB and Martin RTB Disinfection Improvements

This Preliminary Final Certificate of Substantial Completion applies to:

All Work The following specified portions of the Work:

N/A

Date of Substantial Completion: **July 9, 2021**

The Work to which this Certificate applies has been inspected by authorized representatives of Owner, Contractor, and Engineer, and found to be substantially complete. The Date of Substantial Completion of the Work or portion thereof designated above is hereby established, subject to the provisions of the Contract pertaining to Substantial Completion. The date of Substantial Completion in the final Certificate of Substantial Completion marks the commencement of the contractual correction period and applicable warranties required by the Contract.

A punch list of items to be completed or corrected is attached to this Certificate. This list may not be all-inclusive, and the failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

Amendments of contractual responsibilities recorded in this Certificate should be the product of mutual agreement of Owner and Contractor; see Paragraph 15.03.E of the General Conditions.

The responsibilities between Owner and Contractor for security, operation, safety, maintenance, heat, utilities, insurance, and warranties upon Owner's use or occupancy of the Work must be as provided in the Contract, except as amended as follows:

Amendments to Owner's Responsibilities: None As follows:

Amendments to Contractor's Responsibilities: None As follows:

The following documents are attached to and made a part of this Certificate:

Punchlist as submitted by Weiss issued on 07/09/21

This Certificate does not constitute an acceptance of Work not in accordance with the Contract Documents, nor is it a release of Contractor's obligation to complete the Work in accordance with the Contract Documents.

Engineer

By (signature): 

Name (printed): Steve Wagner

Title: Engineer II

8.5 Mile Drain Punchlist		
Chapaton East Bldg:		
O&M Manuals		Josh
Air Compressor Training		Josh
Air Compressor Start-up		Josh
Closeout Permits		Josh
As-Builds		Dan
Replace Ceiling tiles in Pump Room	Complete	Gary
Dust- Sweep - Mop Pump Room	Complete	Gary
Mop Entrance	Complete	Gary
Pressure Switch Issue (Darren Gilbert @ MCE)		Josh
Grout 2 - 3" holes in SE wall Pump Room		Dan/Gary
Install Pipe Labels		Dan/Gary
Installing Missing gating Supports by Tanks	Complete	Gary
Clean Transfer Pumps and Piping	Complete	Gary
Demo 8" Vents off Storage Tanks	Complete	Gary
Install New 4" Vents Off Tanks Through Roof	Complete	Gary
DEMOB All Tools and Material		Gary/Dan
Basin:		
Install Sway Bracing		Gary/Dan
Install Unistrut Supports @ 9 Mile Tide Gate		Gary/Dan
Drill 1/4" Drain holes (3)		Gary/Dan
Verify flow Through Distribution Holes New Pumps		Gary/Dan
Martin:		
Cut 3/4" Conduit flush with Floor & Grout (4)	Complete	Gary
Cut Flush All Old Floor Anchors	Complete	Gary
Unscrew- Remove all Strut and Anchors from Wall	Complete	Gary
Demo Old Pump Pads (Protect VFD)	Complete	Gary
Clean Oil From Floor		Gary
Sweep - Mop - Wipe Down Entire Pump Room	Complete	Gary
Pipe Labeling		Dan/Gary
Re-set Ceiling Tiles		Dan/Gary
DEMOB All Tools and Material		Dan/Gary

WEISS CONSTRUCTION COST BREAKDOWN

Chapaton & Martin Disinfection Project

	Chapaton (WO19073)	Martin (WO19074)	Total
CONTRACT TOTAL			
Original Contract Prices:	\$806,425.00	\$189,500.00	\$995,925.00
CO#1:	-\$12,253.37	-\$4,084.46	-\$16,337.83
CO#2:	-\$24,572.57	\$3,239.55	-\$21,333.02
CO#3:	-\$3,176.34	-\$3,687.00	-\$6,863.34
CO TOTAL:	-\$40,002.28	-\$4,531.91	-\$44,534.19
Total with all CO's	\$766,422.72	\$184,968.09	\$951,390.81
PAYMENTS			
Pay App No 1	\$17,645.40	\$4,381.20	\$22,026.60
Pay App No 2	\$23,625.00	\$1,426.50	\$25,051.50
Pay App No 3	\$52,189.20	\$20,204.10	\$72,393.30
Pay App No 4	\$280,029.78	\$51,116.40	\$331,146.18
Pay App No 5	\$214,713.27	\$1,426.50	\$216,139.77
Pay App No 6	\$57,237.93	\$39,988.16	\$97,226.09
Pay App No 7	\$16,806.48	\$41,151.42	\$57,957.89
Pay App No 8	\$20,925.00	\$3,803.40	\$24,728.40
Pay App No 9	\$8,100.00	\$1,902.60	\$10,002.60
Pay App No 10	\$75,150.67	\$19,567.81	\$94,718.48
Total all Pay Apps:	\$766,422.73	\$184,968.09	\$951,390.82
SUMMARY			
Total Retained:	\$0.00	\$0.00	\$0.00
Total Work to Date:	\$766,422.73	\$184,968.09	\$951,390.82
Balance to Finish (incl. Ret)	\$0.00	\$0.00	-\$0.01

Pay apps will show this value
SW to provide district totals

Progress Estimate - Lump Sum Work

Contractor's Application for Payment

Owner:	Macomb County Public Works	Owner's Project No.:	WWS-2020-09
Engineer:	Wade Trim Associates	Engineer's Project No.:	Mcw 2006-01T
Contractor:	Weiss Construction	Contractor's Project No.:	2020-07
Project:	Chapaton RTB and Martin RTB Disinfection Improvements		
Contract:	WWS-2020-09		

Application No.: 10 Application Period: From 09/01/21 to 10/28/21 Application Date: 10/28/21

A Item No.	B Description	C Scheduled Value (\$)	D + E Work Completed		F Materials Currently Stored (not in D or E) (\$)	G Work Completed and Materials Stored to Date (D + E + F) (\$)	H % of Scheduled Value (G / C) (%)	I Balance to Finish (C - G) (\$)
			D (D + E) From Previous Application (\$)	E This Period (\$)				
Original Contract								
01	GENERAL CONDITIONS - CHAPATON	\$81,000.00	81,000.00	-		81,000.00	100%	-
02	GENERAL CONDITIONS - MARTIN	\$19,020.00	19,020.00	-		19,020.00	100%	-
03	PROCURE - PIPE MATERIALS (UPSTAIRS)	\$16,088.00	16,088.00	-		16,088.00	100%	-
04	PROCURE - PIPE MATERIALS (BASIN)	\$114,000.00	114,000.00	-		114,000.00	100%	-
05	PROCURE - AIR COMPRESSOR	\$12,500.00	12,500.00	-		12,500.00	100%	-
06	CHAPATON MOBILIZATION	\$19,500.00	19,500.00	-		19,500.00	100%	-
07	CHAPATON BYPASS PIPING	\$9,500.00	9,500.00	-		9,500.00	100%	-
08	DEMO CHAPATON PUMP ROOM PIPING	\$5,025.00	5,025.00	-		5,025.00	100%	-
09	INSTALL CHAPATON PUMP ROOM PUMPS & PIPING	\$18,500.00	18,500.00	-		18,500.00	100%	-
10	DEMO CHAPATON PUMP ROOM PUMPS & PADS	\$21,000.00	21,000.00	-		21,000.00	100%	-
11	INSTALL NEW PUMP PADS IN CHAPATON PUMP ROOM	\$19,000.00	19,000.00	-		19,000.00	100%	-
12	DEMO CHAPATON TANK ROOM PUMPS & PIPING	\$3,850.00	3,850.00	-		3,850.00	100%	-
13	INSTALL CHAPATON TANK ROOM PIPING	\$13,800.00	13,800.00	-		13,800.00	100%	-
14	FURNISH & INSTALL CHAPATON TANK ROOM PUMPS	\$17,625.00	17,625.00	-		17,625.00	100%	-
15	DEMO & INSTALL NEW AIR COMPRESSOR	\$8,500.00	8,500.00	-		8,500.00	100%	-
16	CHAPATON ROOM FINISHES	\$5,250.00	5,250.00	-		5,250.00	100%	-
17	FURNISH & INSTALL CHAPATON VFD'S	\$65,100.00	65,100.00	-		65,100.00	100%	-
18	FURNISH & INSTALL CHAP. MAGNETIC FLOWMETERS	\$28,350.00	28,350.00	-		28,350.00	100%	-
19	FURNISH & INSTALL CHAP. ELECT. CONDUIT & WIRING	\$57,062.00	57,062.00	-		57,062.00	100%	-
20	CHAPATON O&M MANUALS	\$2,625.00	-	2,625.00		2,625.00	100%	-
21	CHAPATON TRAINING	\$2,100.00	2,100.00	-		2,100.00	100%	-
22	CHAPATON START-UP	\$8,925.00	8,925.00	-		8,925.00	100%	-
23	INSTALL CHEMICAL LINES IN BASIN	\$76,750.00	76,750.00	-		76,750.00	100%	-
24	INSTALL CHEMICAL LINES FOR 9 MILE DIFFUSER IN BASIN	\$51,250.00	51,250.00	-		51,250.00	100%	-
25	INSTALL SAMPLE LINES IN BASIN	\$75,750.00	75,750.00	-		75,750.00	100%	-
26	TEST & PUT CHAPATON BASIN PIPING INTO SERVICE	\$5,150.00	5,150.00	-		5,150.00	100%	-
27	DEMO EXISTING PIPING IN BASIN	\$61,500.00	61,500.00	-		61,500.00	100%	-
28	PROCURE - MARTIN PIPE MATERIALS	\$15,285.00	15,285.00	-		15,285.00	100%	-
29	MARTIN MOBILIZATION	\$5,000.00	5,000.00	-		5,000.00	100%	-
30	MARTIN BYPASS PIPING	\$3,100.00	3,100.00	-		3,100.00	100%	-
31	DEMO MARTIN HYDROCHLORITE PUMP 1 & PIPING	\$2,950.00	2,950.00	-		2,950.00	100%	-
32	INSTALL MARTIN HYDROCHLORITE PUMP 1 & PIPING	\$29,350.00	29,350.00	-		29,350.00	100%	-
33	DEMO MARTIN HYDROCHLORITE PUMP 2 & PIPING	\$2,950.00	2,950.00	-		2,950.00	100%	-
34	INSTALL MARTIN HYDROCHLORITE PUMP 2 & PIPING	\$29,350.00	29,350.00	-		29,350.00	100%	-
35	REMOVE & INSTALL MARTIN RECIRCULATING PUMP & PIPING	\$3,395.00	3,395.00	-		3,395.00	100%	-

Progress Estimate - Lump Sum Work

Contractor's Application for Payment

Owner:	Macomb County Public Works	Owner's Project No.:	WWS-2020-09
Engineer:	Wade Trim Associates	Engineer's Project No.:	Mcw 2006-01T
Contractor:	Weiss Construction	Contractor's Project No.:	2020-07
Project:	Chapaton RTB and Martin RTB Disinfection Improvements		
Contract:	WWS-2020-09		

Application No.:	10	Application Period:	From	09/01/21	to	10/28/21	Application Date:	10/28/21	
A	B	C	D		E	F	G	H	I
Item No.	Description	Scheduled Value (\$)	Work Completed		Materials Currently Stored (not in D or E) (\$)	Work Completed and Materials Stored to Date (D + E + F) (\$)	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) (\$)	
			(D + E) From Previous Application (\$)	This Period (\$)					
36	DEMO MARTIN PUMPS & PADS	\$3,900.00	3,900.00	-		3,900.00	100%	-	
37	INSTALL MARTIN PUMP PADS	\$4,400.00	4,400.00	-		4,400.00	100%	-	
38	FURNISH & INSTALL MARTIN VFD'S	\$27,300.00	27,300.00	-		27,300.00	100%	-	
39	FURNISH & INSTALL MARTIN MAGNETIC FLOWMETERS	\$12,600.00	12,600.00	-		12,600.00	100%	-	
40	FURNISH & INSTALL MARTIN ELEC. CONDUIT & WIRING	\$17,500.00	17,500.00	-		17,500.00	100%	-	
41	MARTIN O&M MANUALS	\$1,575.00	-	1,575.00		1,575.00	100%	-	
42	MARTIN TRAINING	\$2,100.00	2,100.00	-		2,100.00	100%	-	
43	MARTIN START-UP	\$4,725.00	4,725.00	-		4,725.00	100%	-	
44	ROOFING ALLOWANCE - CHAPATON	\$1,725.00	1,725.00	-		1,725.00	100%	-	
45	PERMIT ALLOWANCE - CHAPATON	\$5,000.00	6,106.00	(1,106.00)		5,000.00	100%	-	
46	PERMIT ALLOWANCE - MARTIN	\$5,000.00	1,698.00	3,302.00		5,000.00	100%	-	
Original Contract Totals		\$ 995,925.00	\$ 989,529.00	\$ 6,396.00	\$ -	\$ 995,925.00	100%	\$ -	

CONTRACTOR'S DECLARATION

(To be attached to the Contractor's periodic Request for Payment)

Project Name: Chapaton RTB and Martin RTB Disinfection Improvements

Contract No.: WWS-2020-009

Contract Date: 10/21/2020

Contractor: Weiss Construction, LLC

Owner: 8 1/2 Mile Relief Drain Drainage District

Certification Period (From the Date of the Contract to the Date of this Declaration) _____

October 12, 2020 - October 28, 2021

I hereby certify that I have not, during the above noted certification period, performed any work, furnished any material, sustained any loss, damage or delay for any reason, including soil conditions encountered or created, or otherwise done anything for which I shall ask, demand, sue for, or claim compensation from the Owner or its agents, in addition to the regular items set forth in the above noted Contract (and executed Change Orders thereto) executed between the Contractor and the Owner, except as the Contractor hereby claim for additional compensation and/or extension of time as described in previously submitted claim letters to the Owner dated:

Josh Wittenbach

Digitally signed by Josh Wittenbach
 DN: C=US,
 E=jwittenbach@weiss-construction.com,
 O="Weiss Construction Co. ", OU=Project
 Manager, CN=Josh Wittenbach
 Date: 2021.10.29 07:16:10-04'00'

Attached Summary, Dated _____

(Contractor to check this box if no claim letters are submitted to date)

CONTRACTOR

By: _____
(Authorized Signature)

Name: _____
(Print Name)

Title: _____

Date: _____

END OF SECTION 00 61 13.1

CONTRACT TITLE: CHAPATON RTB & MARTIN RTB DISINFECTION IMPROVEMENTS

ESTIMATE FOR CONTRACT MODIFICATION:

DATE: May 27, 2021

RFP 005 - Chapaton Tile Installation Credit

WCC PCO NO. 950005

PRIME CONTRACTOR'S WORK

Revisions/Comments

1. Direct Materials			\$ (300.00)		See Attached Self-Perform Breakdown
2. Sales Tax on Materials	6.00% of line 1		\$ -		
3. Direct Labor			\$ (3,171.60)		See Attached Self-Perform Breakdown
4. Insurance, Taxes, and Fringe Benefits	34.00% of line 3		\$ -		
5. Rental Equipment			\$ -		See Attached Self-Perform Breakdown
6. Sales Tax on Rental Equipment	6.00% of line 5		\$ -		
7. Equipment Ownership and Operating Expenses			\$ -		
8. SUBTOTAL (add lines 1 - 7)				\$ (3,471.60)	
9. Field Overhead	0.00% of line 8		\$ -		
10. SUBTOTAL (Add Lines 8 & 9)				\$ (3,471.60)	

Prime Remarks:

SUBCONTRACTOR'S WORK

11. Total Cost before mark ups			\$0.00		
12. Direct Materials			n/a		
13. Direct Labor			\$ -		
14. Insurance, Taxes, and Fringe Benefits			included		
15. Rental Equipment			included		
16. Sales Tax on Rental Equipment			n/a		
17. Equipment Ownership and Operating Expenses			included		
18. SUBTOTAL (add lines 11 - 17)				\$ -	
19. Overhead			included		
20. SUBTOTAL (add lines 18 & 19)				\$ -	
21. Profit	15.00% of line 20		included		
22. Bond			included		
23. SUBTOTAL (Add Lines 20 - 22)				\$ -	

SUMMARY

24. Prime Contractor's Work (from line 10)			\$ (3,471.60)		
25. Sub-contractor's Work (from line 23)			\$ -		
26. SUBTOTAL (add lines 24 & 25)				\$ (3,471.60)	
27. Prime's Overhead on Subcontractor	0.00% of line 25		\$ -		
28. Prime's Profit on Self Perform Work			\$ (520.74)		
29. Prime's Profit on Subcontractor Work	5.00% of line 26		\$ -		
30. Extended General Conditions Cost					
31. SUBTOTAL (add lines 26 - 30)				\$ (3,992.34)	
32. Prime Contractor's Bond Premium	1.00% of line 31				
33. SUBTOTAL (add lines 30 - 31)				\$ (3,992.34)	
34. Prime Contractor's General Liability Insuranc	0.80% of line 33				
35. TOTAL COST (Add Lines 33 & 34)				\$ (3,992.34)	

Estimated time extension and justification

Estimated Time Extension Equals

0 Calendar Days

Prime Contractor Name: WEISS CONSTRUCTION CO., LLC

Subcontractor: SEE ATTACHED

Signature & Title of preparer

Project Manager

DATE: May 27, 2021



PCO 950005 – Chapaton Tile Repair Credit
 Weiss Construction - Self-Perform Cost

Description	Qty	Unit	Lab Unit	Labor Total	Mat Unit	Material	Equip Unit	Equipment
Weiss Support and Maintenance								
The MCPWO has decided to replace the tile in the Chapaton East Building with their own work forces and remove it from the contractor's scope of work. Weiss had anticipated requiring (3) laborer crew to take 2 1/2 shifts (or 20 hours) to conduct this work.								
<i>Labor - CREDIT</i>								
3 ea. Laborer	60	hr	(52.86)	(3,171.60)	0.00	0.00	0.00	0.00
<i>Material</i>								
Tile & Grout	1	LS	0.00	0.00	(300.00)	(300.00)	0.00	0.00
				(3,171.60)	(300.00)		0.00	
Labor, Material & Equipment Costs:			-3,471.60					
TOTAL FOR WEISS SELF-PERFORM WORK			\$ (3,471.60)					
GRAND TOTAL			\$ (3,471.60)					

Josh Wittenbach

From: Steven Wagner <steven.wagner@macombgov.org>
Sent: Thursday, May 6, 2021 3:12 PM
To: Josh Wittenbach; Dan Baranyai
Subject: East Building Tile

Josh and Dan,

Could you guys put a deduct number together for the tile replacement for the five old pump pads in the Chapaton East Building? This doesn't really seem like a good use of your guys' time. As we've discussed, our long term goal is to cover this up with an epoxy coating anyway. Thanks,

--

Steven Wagner, P.E.
Engineer II

Macomb County Public Works Office
21777 Dunham Road
Clinton Township, MI 48036
Office: 586.469.6134 | Cell: 586.524.0070

PRIVACY NOTICE: This message is intended only for the individual or entity to which it is addressed. It may contain privileged, confidential information, which is exempt from disclosure under applicable laws. If you are not the intended recipient, then please note that you are strictly prohibited from disseminating or distributing this information (other than to the intended recipient) or copying this information. If you have received this communication in error, then please notify me immediately by the email address or telephone numbers listed above.

Building Department
Phone: (586) 447-3340

27600 Jefferson Ave.
 St. Clair Shores, MI 48081
 Fax: (586) 445-4098

Hours: Monday-Friday 8 am - 4:30 pm

23000 NINE MILE (23301 Nine Mi Location
 09-14-35-103-005

COUNTY OF MACOMB Owner
 21777 DUNHAM ROAD
 CLINTON TWP MI 48036

Issued: 12/21/20 Expire Date: 06/19/21
**PLEASE CALL (586) 447-3340
 FOR AN INSPECTION 24 HOURS IN ADVANCE**

WEISS CONSTRUCTION CO., LL Applicant/Contractor
 WEISS CONSTRUCTION CO., LLC
 41001 GRAND RIVER
 NOVI MI 48375
 (313) 790 5230

Work Description: MACOMB COUNTY PERMIT
 REMOVAL OF EX. DISINFECTION EQUIPMENT AND INSTALLATION OF FIVE NEW FEED PUMPS,
 INSTALLATION OF APPROX. 15,000 LF OF PIPING WITHIN THE RETENTION TREATMENT BASIN
 (RTB), ELECTRICAL WORK, AND SUPPORTING EQUIPMENT.

- Stipulations:** 1) INTERIOR RENOVATIONS ONLY
 2) ALL CONSTRUCTION PER 2015 M.B.C. AND ENGINEER SPECS
 3) ALL WORK IS SUBJECT TO FIELD INSPECTION
 4) SEE FIRE MARSHALL REPORT

Paid by MCPWO on 10/1/2020
 Check No: 4690 Work Type

Permit Item	Work Type	Fee Basis	Item Total
PLAN REVIEW FEES - COMM/IND	Comm/Indust	100.00	100.00
APPLICATION FEE-NON-REFUNDABLE	Miscellaneous	1.00	50.00
PLAN REVIEW FEES - COMM/IND	Comm/Indust	1,841.00	1,841.00
Addns., alts. \$5k to \$50k - COMM/IND	Comm/Indust	50,000.00	500.00
Addns., alts-above \$50k - COMM/IND	Comm/Indust	624,950.00	3,125.00

Fee Total: \$5,616.00
Amount Paid: \$5,616.00
Balance Due: **\$0.00**

DID YOU KNOW?
 We're online now! Apply for your
 permits online with this web pin #: 64463EB5

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code. I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

Payment of permit fee constitutes acceptance of the above terms.

**Bonds will be forfeited for failing to comply with applicable regulations, or upon suspension of the permit.
 Bonds unclaimed within one year of final inspection will be forfeited.**

Payment Validation

City of St. Clair Shores

Plumbing

Permit No: PP200837

Building Department
Phone:(586) 447-3340

27600 Jefferson Ave.
St. Clair Shores, MI 48081
Fax: (586) 445-4098

Hours: Monday-Friday 8 am - 4:30 pm

23001 NINE MILE Location
09-14-35-103-005

COUNTY OF MACOMB Owner
21777 DUNHAM ROAD
CLINTON TWP MI 48036

Issued: 12/21/20 Expire Date: 06/19/21
Date Applied: 12/21/20
**PLEASE CALL (586) 447-3340
FOR AN INSPECTION 24 HOURS IN ADVANCE**

WEISS CONSTRUCTION CO., LLC Applicant/Contractor
DANIEL WEISS
41001 GRAND RIV
NOVI MI 48375
(313) 790 5230

Work Description: INTERIOR PIPING OF PUMP STATION

Stipulations:

Permit Item	Work Type	Fee Basis	
APPLICATION FEE - NON REFUNDABLE	Standard Item	1.00	50.00
Water Dist., Service, Re-Pipe	Distribution	1.50	40.00

Fee Total: \$90.00
Amount Paid: \$90.00
Balance Due: \$0.00

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code. I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.
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Bonds unclaimed within one year of final inspection will be forfeited.**

Payment Validation

City of St. Clair Shores

Electrical

Permit No: PE210916

Building Department

27600 Jefferson Ave.

St. Clair Shores, MI 48081

Phone:(586) 447-3340

Fax: (586) 445-4098

Hours: Monday-Friday 8 am - 4:30 pm

23001 NINE MILE
09-14-35-103-005

Location

COUNTY OF MACOMB
21777 DUNHAM ROAD
CLINTON TOWNSHIP MI 48036

Owner

Issued: 09/28/21 Expire Date: 03/27/22

**PLEASE CALL (586) 447-3340
FOR AN INSPECTION 24 HOURS IN ADVANCE**

ROTOR ELECTRIC COMPANY
SCOTT MCGLYNN
9522 GRINNELL AVE
DETROIT MI 48213
(313) 891 0331

Contractor

Work Description: Install electrical for feed pumps

Stipulations:

Permit Item	Work Type	Fee Basis	Item Total
APPLICATION FEE - NON REFUNDABLE	Standard Item	1.00	50.00
Motors, Power, Heat Units	Standard Item	5.00	20.00
Motors, Power, Heat Units	Standard Item	5.00	20.00
Motors, Power, Heat Units	Standard Item	5.00	20.00
Motors, Power, Heat Units	Standard Item	5.00	20.00
Motors, Power, Heat Units	Standard Item	5.00	20.00

Fee Total:	\$210.00
Amount Paid:	\$210.00
Balance Due:	\$0.00

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I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code.

I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

Payment of permit fee constitutes acceptance of the above terms.

Payment Validation

City of St. Clair Shores

Electrical

Permit No: PE210916

Building Department

27600 Jefferson Ave.

St. Clair Shores, MI 48081

Phone: (586) 447-3340

Fax: (586) 445-4098

Hours: Monday-Friday 8 am - 4:30 pm

23001 NINE MILE 09-14-35-103-005	Location
-------------------------------------	----------

COUNTY OF MACOMB 21777 DUNHAM ROAD CLINTON TOWNSHIP MI 48036	Owner
--	-------

Issued: 09/28/21 Expire Date: 03/27/22
PLEASE CALL (586) 447-3340 FOR AN INSPECTION 24 HOURS IN ADVANCE

ROTOR ELECTRIC COMPANY SCOTT MCGLYNN 9522 GRINNELL AVE DETROIT (313) 891 0331	Contractor
	MI 48213

Work Description: Install electrical for feed pumps

Stipulations:

Permit Item	Work Type	Fee Basis	Item Total
Circuits	Standard Item	5.00	40.00
Motors, Power, Heat Units	Standard Item	5.00	20.00

DID YOU KNOW?
We're online now! Apply for your
permits online with this web pin #: 8FC1FFA3

Fee Total:	\$210.00
Amount Paid:	\$210.00
Balance Due:	\$0.00

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code.

I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

Payment of permit fee constitutes acceptance of the above terms.

Payment Validation

City of St. Clair Shores

Building

Permit No: PB201479

Building Department
Phone: (586) 447-3340

27600 Jefferson Ave.
St. Clair Shores, MI 48081
Fax: (586) 445-4098

Hours: Monday-Friday 8 am - 4:30 pm

22301 BON BRAE Location
09-14-22-430-008

COUNTY OF MACOMB Owner
21777 DUNHAM ROAD
CLINTON TWP MI 48036

Issued: 12/21/20 Expire Date: 06/19/21
**PLEASE CALL (586) 447-3340
FOR AN INSPECTION 24 HOURS IN ADVANCE**

WEISS CONSTRUCTION CO., LL Applicant/Contractor
WEISS CONSTRUCTION CO., LLC
41001 GRAND RIVER
NOVI MI 48375
(313) 790 5230

Work Description: removal of ex disinfection equipment and installation of 2 new feed pumps, installation of associated interior piping, electrical work and supporting equipment.

- Stipulations:**
- 1) INTERIOR RENOVATIONS ONLY
 - 2) ALL CONSTRUCTION PER 2015 M.B.C. AND ENGINEER SPECS
 - 3) ALL WORK IS SUBJECT TO FIELD INSPECTION

Paid by MCPWO on 10/01/2020
Check No: 4690

Permit Item	Work Type	Fee Basis	Item Total
PLAN REVIEW FEES - COMM/IND	Comm/Indust	100.00	100.00
APPLICATION FEE-NON-REFUNDABLE	Miscellaneous	1.00	50.00
PLAN REVIEW FEES - COMM/IND	Comm/Indust	323.00	323.00
Addns., alts. \$5k to \$50k - COMM/IND	Comm/Indust	50,000.00	500.00
Addns., alts-above \$50k - COMM/IND	Comm/Indust	46,850.00	235.00

Fee Total: \$1,208.00
Amount Paid: \$1,208.00
Balance Due: \$0.00

DID YOU KNOW?
 We're online now! Apply for your permits online with this web pin #: 64463EB5

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code. I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

Payment of permit fee constitutes acceptance of the above terms.

**Bonds will be forfeited for failing to comply with applicable regulations, or upon suspension of the permit.
 Bonds unclaimed within one year of final inspection will be forfeited.**

Payment Validation

City of St. Clair Shores

Plumbing

Permit No: PP200838

Building Department
Phone:(586) 447-3340

27600 Jefferson Ave.
 St. Clair Shores, MI 48081
 Fax: (586) 445-4098

Hours: Monday-Friday 8 am - 4:30 pm

22301 BON BRAE Location 09-14-22-430-008	COUNTY OF MACOMB Owner 21777 DUNHAM ROAD CLINTON TWP MI 48036
Issued: 12/21/20 Expire Date: 06/19/21 Date Applied: 12/21/20 PLEASE CALL (586) 447-3340 FOR AN INSPECTION 24 HOURS IN ADVANCE	WEISS CONSTRUCTION CO., LLC Applicant/Contractor DANIEL WEISS 41001 GRAND RIV NOVI MI 48375 (313) 790 5230

Work Description: INTERIOR PIPING OF PUMP STATION

Stipulations:

Permit Item	Work Type	Fee Basis	
APPLICATION FEE - NON REFUNDABLE	Standard Item	1.00	50.00
Water Dist., Service, Re-Pipe	Distribution	1.50	40.00

Fee Total: \$90.00
Amount Paid: \$90.00
Balance Due: \$0.00

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code. I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

Payment of permit fee constitutes acceptance of the above terms.

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 Bonds unclaimed within one year of final inspection will be forfeited.**

Payment Validation

City of St. Clair Shores

Electrical

Permit No: PE210917

Building Department

27600 Jefferson Ave.

St. Clair Shores, MI 48081

Phone:(586) 447-3340

Fax: (586) 445-4098

Hours: Monday-Friday 8 am - 4:30 pm

22301 BON BRAE
09-14-22-430-008

Location

COUNTY OF MACOMB
21777 DUNHAM ROAD
CLINTON TOWNSHIP MI 48036

Owner

Issued: 09/28/21 Expire Date: 03/27/22

**PLEASE CALL (586) 447-3340
FOR AN INSPECTION 24 HOURS IN ADVANCE**

ROTOR ELECTRIC COMPANY
SCOTT MCGLYNN
9522 GRINNELL AVE
DETROIT MI 48213
(313) 891 0331

Contractor

Work Description: Electrical installation of feed pumps

Stipulations:

Permit Item	Work Type	Fee Basis	Item Total
APPLICATION FEE - NON REFUNDABLE	Standard Item	1.00	50.00
Motors, Power, Heat Units	Standard Item	5.00	20.00
Motors, Power, Heat Units	Standard Item	5.00	20.00
Circuits	Standard Item	2.00	25.00

Fee Total: \$115.00

Amount Paid: \$115.00

Balance Due: \$0.00

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We're online now! Apply for your permits online with this web pin #: 8FC1FFA3

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code.

I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.

Payment of permit fee constitutes acceptance of the above terms.

Payment Validation

CHANGE ORDER NO.: 3 - DRAFT

Owner: 8 1/2 Mile Relief Drain Drainage District Owner's Project No.: WWS-2020-009
 Engineer: Wade Trim Associates, Inc. Engineer's Project No.: MCW 2006-01T
 Contractor: Weiss Construction Co. LLC Contractor's Project No.: 2020-07
 Project: Chapaton RTB and Martin RTB Disinfection Improvements
 Contract Name: Chapaton RTB and Martin RTB Disinfection Improvements
 Date Issued: 10/28/2021 Effective Date of Change Order: 10/28/2021

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

Description:

1. Remove patching of tile floor in East Building. MCPWO has elected to self-perform the patching of the tilework where the old concrete pump pads were demolished. **(deduct \$3,992.34)**
2. Corrective amounts to Lump Sum Cash Allowance for St. Clair Shores Building Department Permit costs to reflect actual cost incurred by Contractor **(net \$2,871.00 deduct)**. Invoice for full \$5,000 amounts and insert corrective LSA line-items in Change Order section of Pay App as follows:
 45X \$816.00 – Permit Allowance – Chapaton-ADJ
 46X (\$3,687.00) – Permit Allowance – Martin-ADJ

Attachments: **5/27/21 Weiss PCO 005 Letter, SCS Building Dept. Invoices (Bldg, Plumbing, Electrical)**

Change in Contract Price	Change in Contract Times
Original Contract Price: \$ 995,925.00	Original Contract Times: Substantial Completion: <u>270 Days</u> Ready for final payment: <u>300 Days</u>
Decrease from previously approved Change Orders \$ 37,670.85	Decrease from previously approved Change Orders Substantial Completion: <u>No Change</u> Ready for final payment: <u>No Change</u>
Contract Price prior to this Change Order: \$ 958,254.15	Contract Times prior to this Change Order: Substantial Completion: <u>270 Days</u> Ready for final payment: <u>300 Days</u>
Decrease this Change Order: \$ 6,863.34	Decrease this Change Order: Substantial Completion: <u>No Change</u> Ready for final payment: <u>No Change</u>
Contract Price incorporating this Change Order: \$ 951,390.81	Contract Times with all approved Change Orders: Substantial Completion: <u>270 Days</u> Ready for final payment: <u>300 Days</u>

Recommended by Engineer

Authorized by Contractor

By (signature): _____
 Name & Title: _____
 Date: _____

Authorized by Owner

Approved by Funding Agency

By (signature): _____
 Name & Title: _____
 Date: _____



May 27, 2021

Wade Trim
25251 Northline Rd.
Taylor, MI 48180

Attn.: John Arvai
Project Manager

**RE: Chapaton RTB and Martin RTB Disinfection Improvements
CONTRACT WWS-2020-009
PCO 005 – Chapaton Tile Replacement Credit**

Mr. Arvai,

In response to Macomb County's email request on 5/6/21, Weiss Construction Co. is hereby providing our change proposal to remove the Tile Replacement in the Chapaton East Building from the work.

In accordance with the requirements of Article 11 of the General Conditions, we propose a deduct change order in the amount **(\$3,992.34)** as equitable compensation for the work associated with the request for proposal. A breakdown of this amount is presented on the attached cost estimate.

This proposal is limited to the work proposed herein, and is based on eliminating the tile replacement in the Chapaton East Building from the contract. It is Weiss's understanding, based on the 05/06/21 email, the owner's long-term goal is to cover the floor up with epoxy coating and will perform any tile replacement with their own forces.

This pricing is broken down in the attached cost estimate along by labor and material and includes the associated back-up. If you have any questions or require additional information, please do not hesitate to contact me at 313-790-4135. In the meantime, we will wait for your written directive to proceed with this extra work.

Sincerely,
WEISS CONSTRUCTION CO., LLC


Josh Wittenbach
Project Manager

Cc: Steve Wagner – MCPWO
Kevin Markhardt – WCC; Job File

Budget to Actual
8.5 Mile Relief
As of Oct 31, 2021 = 8%

DESCRIPTION	2022	ENCUMBERED	ACTUAL	REMAINING	PCT UTILIZED
	FINAL BUDGET			BUDGET	
REVENUE ACCOUNTS					
Interest Earned	30,000			30,000	0.0%
Other Revenue	4,000		833	3,167	20.8%
8.5 O&M/Charge Required Revenue	4,748,520		2,374,260	2,374,260	50.0%
PY Revenue-Fund Balance	3,840,000			3,840,000	0.0%
Use of SCADA Reserve	147,950		-	147,950	0.0%
<i>Total Revenue Accounts</i>	8,770,470	-	2,375,093	6,395,377	27.1%
EXPENSE ACCOUNTS					
Application/Permit Fee	6,000			6,000	0.0%
Dues, Training, Conf, Subs.	10,380			10,380	0.0%
Engineering					
As needed Engineering	75,000			75,000	0.0%
9 Mile PS-const Admin/Const Mgr at risk	2,537,390			2,537,390	0.0%
Cost Share Army corp Grant-Green Infrastructure Project	162,500			162,500	0.0%
9 Mile Pump Station Design-Use of Capital Reserve	147,950			147,950	0.0%
9 Mile Pump Station Design-Was Flushing	797,090			797,090	0.0%
9 Mile Bypass Structural Repairs-Construction/CA	730,590			730,590	0.0%
In-System Storage-Construction & Const Admin ⁽¹⁾	2,250,000			2,250,000	0.0%
New Equipment	28,590			28,590	0.0%
Office Supplies	500			500	0.0%
Operating Supplies	65,400		413	64,987	0.6%
Other Professional Svcs	36,000			36,000	0.0%
Personnel Services	1,032,200			1,032,200	0.0%
Repair & Maintenance	197,000		8,109	188,891	4.1%
Contribution to Reserve	288,240			288,240	0.0%
Scada System	138,040		2,200	135,840	1.6%
Utilities	267,600		15,230	252,370	5.7%
<i>Total Expense Accounts</i>	8,770,470	-	25,952	8,744,518	0.3%

	O&M Balance 9/30/2021	O&M	Total 10/31/2021
Cash - Operating	12,995,104	2,349,141	15,344,245
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		2,375,093	2,375,093
Expenditures		25,952	25,952
			0
Equity*	12,995,104		15,344,245

Detail of 2021 Equity*

In-System Storage Design/Const Admin/Const	2,232,342	Capital Reserve	1,496,014
9 Mile Pump Station Design	1,171,554	SCADA Reserve	129,870
9 Mile Bypass Struct Rprs-Const/CA	992,434	LSCWWI 04B Transfer	738,112
Disinfection system upgrade (Design and Construction)	14,512	Contribution from Macomb Cty	2,000,000
Chapaton Improvements-Lab/Office Space	246,401	In System Contrib from SEMSD	1,000,000
As-Needed Engineering	61,868	MEDC Grant-Design ISS ⁽¹⁾	424,426
Pave side road that goes to the basin deck	15,000	SRF Replacement Reserve	2,332,930
Chlorine storage tank #3 relining	7,500		
Firewall Hardware Design/Config	12,900		
Obsolete Wireless backhaul replacement links	16,120		
Fiber Optic Improvements	16,130		
SolarWinds - Network Management Software	9,670		
Pumping and screening improvements	54,608		