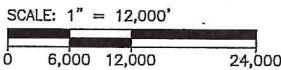
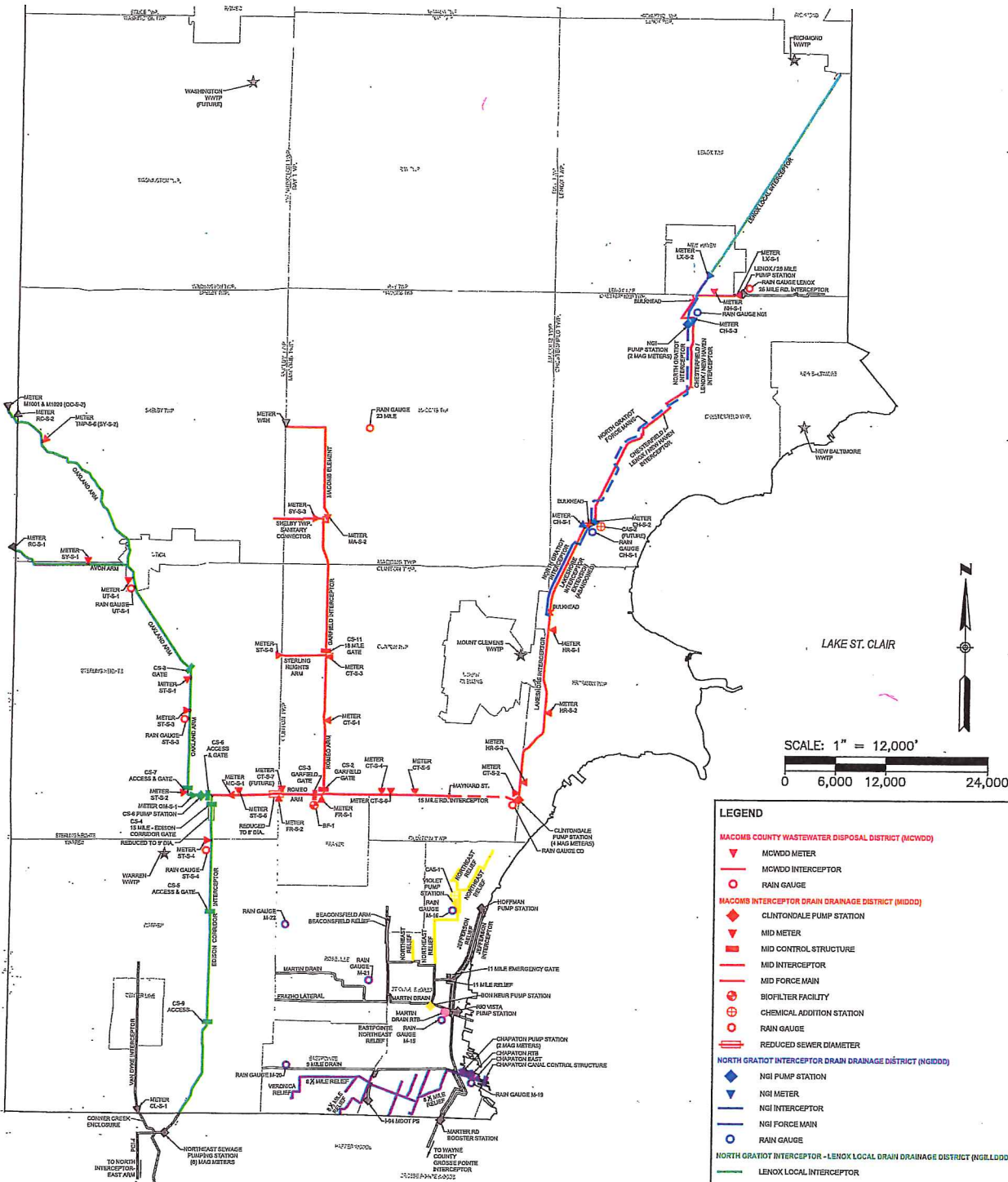


EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
SEPTEMBER 11, 2017
10:30 A.M.
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for September 11, 2017	
3. Approval of Minutes for August 21, 2017	3
4. Public participation	
5. Progress Reports – Vincent Astorino	5
6. Chapaton FY 2017-2018 Budget – Bruce Manning/Vince Astorino	7
7. Consideration for approval of invoices (see attached)	22
8. Financial Report – Bruce Manning	33
9. Adjourn	

MACOMB COUNTY WASTEWATER SYSTEMS



LEGEND

MACOMB COUNTY WASTEWATER DISPOSAL DISTRICT (MCWDD)

- ▼ MCWDD METER
- MCWDD INTERCEPTOR
- RAIN GAUGE
- ◆ CLINTONDALE PUMP STATION
- ▼ MID METER
- MID CONTROL STRUCTURE
- MID INTERCEPTOR
- MID FORCE MAIN
- ⊕ BIOFILTER FACILITY
- ⊕ CHEMICAL ADDITION STATION
- RAIN GAUGE
- ▬ REDUCED SEWER DIAMETER

NORTH GRATIOT INTERCEPTOR DRAINAGE DISTRICT (NGIDD)

- ◆ NGI PUMP STATION
- ▼ NGI METER
- NGI INTERCEPTOR
- NGI FORCE MAIN
- RAIN GAUGE

NORTH GRATIOT INTERCEPTOR - LENOX LOCAL DRAINAGE DISTRICT (NGILLDD)

- LENOX LOCAL INTERCEPTOR

DAKLAND-MACOMB INTERCEPTOR DRAINAGE DISTRICT (OMIDD)

- ◆ CS-8 PUMP STATION
- ▼ OMI METER
- OMI CONTROL STRUCTURE
- OMI INTERCEPTOR
- ▬ REDUCED SEWER DIAMETER

8 1/2 MILE RELIEF DRAINAGE DISTRICT

- ◆ CHAPATON WEST PUMP STATION
- ◆ CHAPATON RETENTION TREATMENT BASIN
- ◆ CHAPATON CANAL CONTROL GATE
- 8 1/2 MILE INTERCEPTOR
- RAIN GAUGE

SUPPORTING MACOMB COUNTY WASTEWATER DISPOSAL SYSTEMS

- ◆ SEMICWDS PUMP STATION
- ⊕ CHEMICAL ADDITION STATION
- SEMICWDS INTERCEPTOR

MARTIN SANITARY DIVERSION DRAINAGE DISTRICT (MSDD)

- ◆ MARTIN DRAIN RETENTION TREATMENT BASIN

OTHER SYSTEMS

- ◆ PUMP STATION
- ▼ METER
- ★ WWTP
- INTERCEPTOR

Candice S. Miller
MACOMB COUNTY PUBLIC WORKS COMMISSIONER



An adjourned meeting of the Intra-County Drainage Board for the **EIGHT AND ONE-HALF MILE RELIEF DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham, Clinton Township, Michigan, on August 21, 2017, at 10:00 A.M.

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

ALSO PRESENT: Vincent Astorino, Operations and Flow Manager, Brian Baker, Chief Deputy, Karen Czernel, Deputy, Dan Heaton, Public Relations Manager, Bruce Manning, Financial Manager, Madison Tanghe, Senior Secretary, Pete Trombley, Operations Manager Pump Station, Macomb County Public Works; Stephen Pangori P.E., Anderson, Eckstein & Westrick, Inc.; Maria Sedki P.E., Fishbeck, Thompson, Carr & Huber, Inc.; Suzanne Pixley, Randall Blum, Eastpointe; Kip Walby, Mike Smith, St. Clair Shores

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

Minutes of the meeting of July 10, 2017 were presented and approved on a motion by Ms. Miller, supported by Ms. Klinefelt and unanimously carried.

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

Mr. Astorino stated that the SAW Grant is currently closing out and should be complete by the end of this month. The Project is under budget.

A motion to receive and file the progress report update given by Mr. Astorino was made by Ms. Klinefelt, supported by Mr. Santo and unanimously approved.

A presentation of the Eight and One-Half Mile Relief Drain Drainage District SAW Grant, CIP and Budget was given by Ms. Sedki, Fishbeck, Thompson, Carr & Huber, Inc. Vince Astorino and Bruce Manning, Macomb County Public Works.

The SAW grant provided funding to complete a Chapaton asset management plan. The plan is needed due to the new NPDES permit. The asset management plan includes an asset inventory, condition assessment, asset criticality evaluation, preventative maintenance program, a funding plan, and a 20 year Capital Improvement Plan (CIP). The CIP totals \$25 million over the next 20 years and requires an increase in funding for repairs, operations, maintenance and related engineering costs. The proposed assessment increase for next year totals nearly \$1.2 million due to the findings of the SAW grant and the permit required upgrades. The CIP does not include any funding for basin expansion or sewer separation. Discussion ensued about next year's budget. Public Works staff will present an updated budget at the September 11, 2017 meeting which will include first year funding for the CIP and Master Plan. The budget will also include starting the full annual reimburse from SEMCWDS for Chapaton personnel and options on the limited use of reserves to smooth the assessment change for next year.

A motion to receive and file the presentation given by Ms. Sedki and Mr. Astorino was made by Ms. Klinefelt, supported by Mr. Santo and unanimously approved.

The Chair presented the invoices totaling \$62,143.73 to the board for review and approval.

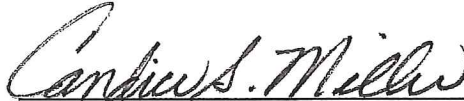
A motion was made by Ms. Klinefelt, supported by Mr. Santo to approve the invoices as presented.

Ayes: Klinefelt, Santo, Miller
Nays: None

Motion approved.

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

The meeting was adjourned at 11:34 a.m. on a motion by Mr. Santo, seconded by Ms. Klinefelt, and unanimously approved.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

STATE OF MICHIGAN
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taking by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on July 10, 2017, the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1975, including, in the case of a special or rescheduled meeting or 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: 8/22/17



PROGRESS REPORT

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

FROM: Erin H. Szczegielniak, PE

DATE: August 21, 2017

PROJECT NO.: 130620

RE: 8 1/2 Mile Relief Drain Drainage District
Stormwater, Asset Management, and Wastewater (SAW)
Asset Management (AM) – Bi-Weekly Progress Report
August 7 – August 18, 2017

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

Items accomplished during the reporting period:

1. Asset Management Inventory
 - a. Continued working on updating geographic information system (GIS) database based on survey information of manholes and catch basins.
2. NEXGEN Database
 - a. Finished uploading record drawings in NEXGEN.
3. 3D Diagram and Reference Drawings
 - a. Continued work on District Map.
 - b. Finalized developing profile of 8 1/2 Mile Sewer for use in supervisory control and data acquisition (SCADA) system.
4. Capital Improvements Plan (CIP)
 - a. Continued work on CIP presentation to Drain Board.
5. Final Report
 - a. Submitted certification and executive summary to the Michigan Department of Environmental Quality (MDEQ).
 - b. Received approval of certification.

Anticipated tasks for the upcoming report period:

1. Asset Management Inventory
 - a. Finish updating GIS database based on survey information of manholes and catch basins.
2. 3D Diagram and Reference Drawings
 - a. Continue work on District Map.
 - b. Provide profile of 8 1/2 Mile Sewer for use in SCADA system.
3. CIP
 - a. Presentation to Drain Board.

Memo – 8 ½ Mile Relief Drain Drainage District – Bi-Weekly Progress Report
Page 2
August 21, 2017



4. Final Report

- a. Submit final copies of the Asset Management Plan (AMP) Report.

Needed Information/Actions from MCPWCO/METCO:

1. Provide comments and missing information on District Map.

nac

By email

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

8.5 Mile Relief Drain (Chapaton) 2017/18 Budget Summary of Changes

Attached is the proposed 2017/18 Chapaton budget for the fiscal year beginning October 1, 2017. The budget provides a history of actual expenditures and includes a detailed explanation of each budget account change.

As discussed at the August 21, 2017 Board meeting, assessments are proposed to increase due to new NPDES permit requirements and needed maintenance and repairs identified by the recently completed SAW grant. The SAW grant identified \$25 million of capital improvement needs over the next 20 years. This budget funds next year's capital needs and establishes a plan to continue needed repairs into the future.

The proposed \$1.2 million assessment increase discussed at the August 21st Board meeting has been lowered by \$350,000. The budget now properly allocates a small portion of Chapaton personnel and SCADA costs to the respective sewer district where the work is being performed. As a result, the Martin Sanitary District will pay their 15% share, while the SEMCWDS will be responsible for 10% of these costs on a go forward basis. The budget does not seek to recover past unreimbursed costs totaling nearly \$600,000, but establishes an equitable allocation of costs prospectively.

We reviewed the possible one-time use of reserves to lessen next year's assessments. While the fund has \$600,000 of unreserved fund balance, this amount only totals 15.6% of expenditures. Further, we concluded that a drawdown of reserves is not recommend due to further CIP needs. If we used the reserves now, we would have to restore the reserves in a future year which would prove difficult due to competing capital needs. A reserve carryforward amount is budgeted for projects that were assessed but not completed in the prior year, so as to avoid an additional charge assessment.

There is no funding in the proposed budget for Chapaton's share of a needed County-wide Sewer Master Plan. As the Master Plan would encompass flows from Chapaton, Martin, SEMCWDS and SMSD, this item would be best funded in the SMSD budget. The SMSD Board is best positioned to ensure the proper cost allocation among the four districts and the three represented communities.

EIGHT & ONE HALF MILE RELIEF - Maintenance Fund
Operating Results - Budget v. Actual
Year Ending 9/30/2018

	2018		2017		2016		2015	
	Budget	Projected	Budget	Actual	Budget	Actual	Budget	
Revenue								
Assessments	2,804,506	1,988,987	1,988,987	1,570,189	1,570,189	1,417,931	1,417,931	
SRF Debt Service Assessment ^(c)	392,831	395,859		395,838		380,903		
Interest Earned	4,500	3,730	3,000	5,571	3,000	3,018	2,000	
Other Revenue	1,500	1,075	1,500	1,834	1,500	2,975	1,000	
Personnel Services	15,000	57,941	80,000	94,963	80,000	92,077	75,000	
SRF Bond Proceeds-Completed	0	44,087	300,000	130,957	300,000	198,928	100,000	
Rental Fee	15,360	10,242	14,400	16,421	14,400	14,400	14,400	
State Grants	0	271,121		333,690		109,343	50,000	
Total Revenue	3,233,697	2,773,042	2,387,887	2,549,463	1,969,089	2,219,575	1,660,331	
Expenditures								
Application/Permit Fee	3,000	6,000	6,500	6,000	6,500	6,000	6,500	
SRF Debt Service Payment ^(c)	392,831	395,859		394,464		380,903		
Dues, Training, Conf, Subs.	1,250	2,000	3,000	1,853	1,000		1,500	
Engineering	472,375	0	356,050	25,261	170,000		55,000	
New Equipment	175,300	1,763	142,300	21,798	38,669	4,834	57,800	
Office Supplies	1,000	338	1,000	1,296	1,000	953	1,000	
Operating Supplies	82,800	96,830	67,800	74,479	74,300	37,733	74,550	
Other Professional Svcs	15,000	19,924	10,000	7,719	12,000	8,682	12,000	
Personnel Services ^(b)	801,626	987,643	980,072	932,140	1,048,455	887,714	1,032,916	
Repair & Maintenance	1,598,065	95,922	772,865	120,217	710,865	232,128	813,965	
Scada System	114,000	137,393	159,000	303,366	205,200	8,055	89,750	
Grant Related Expenses	0	334,204	40,000	299,164	90,000	167,583	200,000	
SRF Related Expenses(5579-01)-Completed	0	37,902	300,000	136,493	300,000	195,844	100,000	
Utilities	191,300	176,425	157,100	170,807	157,100	128,570	155,100	
Total Expenditures^(a)	3,848,547	2,292,203	2,995,687	2,495,057	2,815,089	2,058,999	2,600,081	
Adjustments/Carryforwards								
Est Beginning Fund Balance	0		(200,000)		(500,000)		(200,000)	
Repair and Maintenance Reserve	(127,000)		(105,000)		(173,000)		(331,000)	
Credit for flow meters and backup links	0		(42,000)		(42,000)		(30,000)	
Uncollectible Personnel Revenue	0		65,000		60,000		50,000	
Engineering Reserve	(356,050)		(190,000)		(140,000)		(250,000)	
Equipment	(131,800)		(45,800)		(20,800)			
SCADA Reserve	0		0		(30,200)		(28,750)	
Credit(crew quarters& gates)	0		(90,000)				(150,000)	
Total Adjustments	(614,850)	0	(607,800)	0	(846,000)	0	(939,750)	
TOTAL O & M REVENUE REQUIRED	3,233,697	2,292,203	2,387,887	2,495,057	1,969,089	2,058,999	1,660,331	
NET GAIN/(LOSS)	0	480,839	0	54,406	0	160,576	0	

COMMUNITY	PERCENTAGE	O&M	SRF DEBT ^(d)	TOTAL
State of Michigan	16.04%	\$449,754.70	\$62,997.76	\$512,752.46
County of Macomb ^(d)	4.50%	\$126,195.76	\$17,676.41	\$143,872.17
City of Eastpointe	54.33%	\$1,523,819.09	\$213,443.43	\$1,737,262.52
City of St. Clair Shores	25.13%	\$704,736.46	\$98,713.40	\$803,449.87
TOTAL	100.00%	\$2,804,506.02	\$392,831.00	\$3,197,337.02

Engineering Reserve balance at 9/30/2017	\$356,050.00	carryforward
Repair and Maintenance Reserve at 9/30/2017	\$422,000.00	carryforward
SCADA Reserve balance at 9/30/2017	\$40,000.00	carryforward
Equipment Reserve balance at 9/30/2017	\$131,800.00	carryforward
Required SRF repair & replacement reserve balance 9/30/17	\$1,296,075.00	
Operating reserve balance at 9/30/2017	\$600,000.00	
Estimated fund balance 9/30/2017	See attachment A	

NOTES

- a) It should be noted that the Total Expenses do not provide for depreciation of buildings or equipment, nor do they provide for replacement revenue. To this extent, the Total Expenses are understated.
- b) Includes wages, fringe, internal service costs, fuel, and operating expenses
- c) To be billed separately. Does not include SEMCWWDS SRF bond
- d) County of Macomb splits 50/50 with Macomb County Department of Roads

**FY 2017-2018
8.5 MILE RELIEF BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND:	0017	P/Y BUDGET:	\$6,500
ACTIVITY:	Application/Permit Fee	REQUEST:	\$3,000
		INC/(DEC.):	(\$3,500)

ACCOUNT EXPLANATION:

DESCRIPTION	17/18	16/17
1) Annual NPDES Permit	3,000	6,500

INCREASE/DECREASE EXPLANATION:

Anticipated increase never materialized

50/50 split with Martin

FY 2017-2018
8.5 MILE RELIEF BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET

FUND:	0017	P/Y BUDGET:	\$3,000
ACTIVITY:	Dues, Training, & Conf	REQUEST:	\$1,250
		INC/(DEC.):	(\$1,750)

ACCOUNT EXPLANATION:

DESCRIPTION	17/18	16/17
1) Certification, licensures, training	1,000	2,500
2) Professional dues and subscriptions	250	500
Total	1,250	3,000

INCREASE/DECREASE EXPLANATION:

Revised amount for having operators state certified for RTBs

50/50 split with Martin

**FY 2017-2018
8.5 MILE RELIEF BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND:	0017	P/Y BUDGET:	\$396,050
ACTIVITY:	Engineering &	REQUEST:	\$472,375
	Saw Grant Match	INC/(DEC.):	\$76,325

ACCOUNT EXPLANATION:

DESCRIPTION	17/18	16/17
1) Chapaton East disinfection system improvement	\$50,000	\$50,000 cf
2) Flow Meter(See page 5)	\$50,000	\$50,000 cf
3) (Cont) Design of Improvements	\$50,000	\$50,000 cf
4) Various Design/Study projects-See note below	\$300,000	\$206,050 cf
5) Saw Grant match	\$0	\$40,000
6) Design - CHA-EB Inside Lighting	\$8,625	
7) Design - CHA-PS Wet Well Hatch	\$6,250	
8) Design - Replace Wood Hatch (Trash Rack/Dewater Gate)	\$7,500	
Total	\$472,375	\$396,050

INCREASE/DECREASE EXPLANATION:

2) Was previously budgeted for condition assessment but that was completed using SAW

grant so now the \$50,000 will be used for flow meter

4) RTB/PS Ventilation Design-60,000

Disinfection Systems Improvement Study-60,000

HVAC design-60,000

Canal Stabalization Study-60,000

Basin Segmentation Study-60,000

**FY 2017-2018
8.5 MILE RELIEF BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND:	0017	P/Y BUDGET:	\$142,300
ACTIVITY:	New Equipment	REQUEST:	<u>\$175,300</u>
		INC/(DEC.):	\$33,000

ACCOUNT EXPLANATION:

DESCRIPTION	17/18	16/17	
1) Xmark Lawn Mower	\$ 14,000	\$ 14,000	cf
2) Canal Sampler	\$ 25,800	\$ 5,800	cf
3) Quanti-Tray Sealer		\$ 7,500	
4) Printer	\$ 1,000	\$ 1,000	cf
5) Flow Meter(Additional funds from pg 4)	\$ 100,000	\$ 100,000	cf
6) Flushing Chamber C,D Exterior lights	\$ 1,000	\$ 1,000	cf
7) Replace disinfection mag meters	\$ 15,000	\$ 10,000	cf
8) Misc(lab equip, bldg instrumentation, etc)	\$ 3,000	\$ 3,000	
9) Trailer	\$5,000		
10) Deck Mower Attachment	\$2,500		
11) Sampling Pumps	\$2,500		
12) Water Heater - East Building Mechanical Room	\$3,000		
13) Spare Rain Gauge	\$2,500		
Total	<u>\$175,300</u>	<u>\$142,300</u>	

INCREASE/DECREASE EXPLANATION:

2) The new overflow sampler and associated piping. This sampler is needed

because of the new NPDES permit that the DEQ is issuing soon. We are going

from a time based sampling protocol to a flow based program.

**FY 2017-2018
8.5 MILE RELIEF BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND:	0017	P/Y BUDGET:	\$1,000
ACTIVITY:	Office Supplies	REQUEST:	\$1,000
		INC/(DEC.):	\$0

ACCOUNT EXPLANATION:

DESCRIPTION	17/18	16/17
Toner, pens, paper, posters computer supplies, etc	\$1,000	\$1,000

INCREASE/DECREASE EXPLANATION:

No Change

**FY 2017-2018
8.5 MILE RELIEF BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND:	0017	P/Y BUDGET:	\$67,800
ACTIVITY:	Operating Supplies	REQUEST:	\$82,800
		INC/(DEC.):	\$15,000

ACCOUNT EXPLANATION:

DESCRIPTION	17/18	16/17
1) Sodium hypochlorite	\$70,000	\$55,000
2) Personal protective equipment	\$3,000	\$3,000
3) Contract 4 shirts, 4 pants for operations staff	\$1,200	\$1,200
4) laboratory supplies required by NPDES permit	\$7,000	\$7,000
5) Equipment Rental	\$500	\$500
6) Postage	\$100	\$100
7) Misc	\$1,000	\$1,000
Total	\$82,800	\$67,800

INCREASE/DECREASE EXPLANATION:

1) Based on prior year usage, additional treatment is required.

**FY 2017-2018
8.5 MILE RELIEF BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND:	0017	P/Y BUDGET:	\$10,000
ACTIVITY:	Other Professional Svcs	REQUEST:	\$15,000
		INC/(DEC.):	\$5,000

ACCOUNT EXPLANATION:

DESCRIPTION	17/18	16/17
Contract laboratory for permit overflow	\$15,000	\$10,000

INCREASE/DECREASE EXPLANATION:

Based on prior year usage, additional treatment is required.

**FY 2017-2018
8.5 MILE RELIEF BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND:	0017	P/Y BUDGET:	\$980,072
ACTIVITY:	Personnel	REQUEST:	\$801,626
		INC/(DEC.):	(\$178,446)

ACCOUNT EXPLANATION:

DESCRIPTION	17/18	16/17
1) Pump Station Operators(8 operators)	\$452,765	\$597,710
2) Pump Station Standby	\$10,044	\$13,260
3) Operations Manager	\$87,975	\$116,138
4) Assistant Operations Mgr(1/2 year)	\$28,054	\$0
5) SCADA Manager support	\$9,000	\$10,000
6) Engineering Support	\$54,863	\$76,500
7) Clerical Support	\$11,590	\$15,300
8) Overtime	\$108,171	\$142,800
9) Accounting	\$6,336	\$8,364
10) Administrative	\$32,828	
Total	\$801,626	\$980,072

INCREASE/DECREASE EXPLANATION:

1-10) Charging 15% to Martin and 10% to SEMCWWDS

4) Individual retired in prior year but due to need will fill position in 17/18

10) 7% cross charge for key non Chapton personnel

**FY 2017-2018
8.5 MILE RELIEF BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND: 0017	P/Y BUDGET:	\$772,865
ACTIVITY: Repair & Maintenance	REQUEST:	\$1,598,065
	INC/(DEC.):	\$825,200

ACCOUNT EXPLANATION:

DESCRIPTION	17/18	16/17
Annual Items		
1) Elevator Inspection & Maintenance	\$4,000	\$5,000
2) Crane Inspection & Maintenance	\$4,500	\$5,000
3) HVAC Inspection and maintenance	\$5,000	\$5,500
4) Confined space equipment maintenance	\$1,250	\$2,000
5) Vehicle Maintenance	\$1,250	\$3,000
6) Equipment Maintenance	\$3,000	\$4,000
7) Plumbing and pipe fitting parts and disinfection	\$9,000	\$10,000
8) Electrical Services	\$15,000	\$20,000
9) Tremco roof warranty	\$2,250	\$2,250
10) Aeration blower inspection and maintenance	\$4,000	\$5,000
11) Annual service and bi-annual load bank for 500kw gas generator	\$3,000	\$3,000
12) Parts/Maintenance for all hydraulic systems	\$9,000	\$10,000
13) Wet well vacator(2 times a year)	\$32,000	\$32,000
14) Replacement Reserve(SRF 5306,5393,5460)-From CTI study	\$259,215	\$259,215
15) Spider Control	\$1,000	\$1,000
16) Monthly fee for administrative computer system	\$3,900	\$3,900
17) Calibration of meters	\$5,700	\$5,000
18) Annual inspection intermediate & dry weather pumps	\$15,000	\$15,000
19) misc repairs(grounds, building, instruments)	\$4,000	\$5,000
Sub-total	\$382,065	\$395,865
One Time		
	17/18	16/17
21) Switch gear(Label and maintenance)	\$45,000	\$45,000
22) Painting interior and garage facade	\$20,000	\$20,000
23) Access ring on B3 manhole	\$15,000	\$15,000
24) Instrumentation all buildings	\$30,000	\$30,000
25) Canal seawall sheeting	\$5,000	\$5,000
26) driveway grate	\$12,000	\$12,000
27) Pumping and screening improvements(2nd of 2 collections)	\$1,000,000	\$250,000
28) CHA-EB Chem Flow Meter - Basin Gates (Pumps 4-5)	\$10,000	
29) Security Fence Structures Around Gate Actuators	\$60,000	
30) Electrical Upgrade Program	\$10,000	
31) Pump Station Exterior Wall Upgrades-Basin Kneewall	\$4,000	
32) 9 Mile Dewatering Gate	\$5,000	
Total	Sub-total	\$377,000
	Grand Total	\$1,598,065

INCREASE/DECREASE EXPLANATION:

27) The replacement of the bar screen rack in the Chapaton wet-well where the 8 1/2 Mile Relief enters the station, and also the addition of a new flow pump.

28-32) Necessary upgrades

FY 2017-2018
8.5 MILE RELIEF BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET

FUND:	0017	P/Y BUDGET:	\$159,000
ACTIVITY:	SCADA	REQUEST:	\$114,000
		INC/(DEC.):	(\$45,000)

ACCOUNT EXPLANATION:

COA	DESCRIPTION	17/18	16/17
80700	1) Network maintenance contract	\$27,750	\$37,000
	2) Emergency Repair	\$11,250	\$15,000
	3) Wonderware-8.5 Portion	\$75,000	\$100,000
	4) DVR Replacement		\$3,000
	5) 4 security monitors		\$4,000
	Total	114,000	159,000

INCREASE/DECREASE EXPLANATION:

1-3) Charging 15% to Martin and 10% to SEMCWWDS

3) \$20,000 license renewal+ \$40,000 maintenance+\$40,000 upgrade for 5 years *75%

4&5) are one time costs

FY 2017-2018
8.5 MILE RELIEF BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET

FUND:	0017	P/Y BUDGET:	\$157,100
ACTIVITY:	Utilities	REQUEST:	\$191,300
		INC/(DEC.):	\$34,200

ACCOUNT EXPLANATION:

COA	DESCRIPTION	17/18	16/17
92300	1) Electric Service	\$140,000	\$120,000
92200	2) Consumers Energy	\$12,000	\$11,000
92100	3) Water	\$22,000	\$13,000
92400	4) Internet Provider	\$8,000	\$5,000
92700	5) Waste Hauler	\$1,800	\$1,100
92800	6) Weather Radar	\$2,500	\$2,000
92600	7) Telephone(Land & Cell)	\$5,000	\$5,000
Total		\$191,300	\$157,100

INCREASE/DECREASE EXPLANATION:

1) Increased rain events causing higher utility cost.

**PROJECTED TRIAL BALANCE
8.5 MILE O&M
AS OF 9/30/2017**

Acct #	Acct Name	Debit	Credit
10103	Maintenance Cash ^(a)	1,613,319	
10301	Maintenance Investment-Huntington	43,658	
10329	Maintenance Investment-First State	1,301,784	
22020	Retainage		7,453
39000	Fund Balance	0	2,951,307
Total		2,958,761	2,958,761

NOTES

a) Cash	2,263,319
Investments	1,345,442
less projected expenses(July-Sept)	(750,000)
Due from SRF	
<u>Total</u>	<u>2,858,761</u>
Less Carryovers	
Repair & Replacement Reserve	(377,000)
Outfall Gate Reserve	(7,000)
5 year maintenance of switchgear	(38,000)
Scada Reserve	(40,000)
Equipment Reserve	(131,800)
Engineering Reserve	(356,050)
Return of Surplus Funds	
SRF Replacement Reserve	(1,296,075)
Operating Reserve	(600,000)
Credit	0
<u>Total Carryovers</u>	<u>(2,845,925)</u>
<u>Unreserved Cash</u>	<u>12,836</u>

Anticipated projects from reserves for year ending Sept 30, 2018

HRC Chapaton East and disinfection system improvement	50,000
Flow Meter	50,000
Design of Improvements	50,000
Various Design Projects	206,050
Xmark Lawn Mower	14,000
Effluent Sampler	5,800
Sealer	7,500
Printer	1,000
Flushing Chamber Lights	1,000
Flow & Mag Meters	110,000
Switchgear upgrades	45,000
Painting interior and garage façade	20,000
Instrumentation	30,000
Access ring	15,000
Canal seawall sheeting	5,000
Driveway Grate	12,000
Pumping and Screening	250,000
5 year maintenance of switchgear	31,000
Outfall Gates reserve	7,000
SCADA Reserve	40,000
Replacement reserve for just completed SRF projects	1,296,075
Operating Reserve	600,000
Total	<u>2,846,425</u>

**TRIAL BALANCE
8.5 MILE O&M
AS OF 9/30/2016**

Acct #	Acct Name	Debit	Credit
10103	Maintenance Cash	1,639,691	
10321	Maintenance Investment-JP Morgan Chase	43,460	
10309	Maintenance Investment-First State	1,040,354	
11040	Accounts Receivable-General	46,133	
11065	Due from Other Governments		
11069	Due from Bridgewood Retention Reservoir		
11088	Due from Hildebrandt	4,857	
11100	Due from Murdock Ballard Relief	1,131	
11150	Due from Clinton River Spillway	0	
11157	Due from SEMCWWDS	540,728	
11203	Due from 8.5 Mile SRF Loan		
11243	Due from 11.5 Mile Relief	41	
21000	Accounts Payable-General		219,342
21012	Accounts Payable-Macomb County		198,658
21450	Due to 8.5 Relief(O&M)		0
22000	Retainage Payable		22,562
39000	Fund Balance		2,875,832
Total		3,316,394	3,316,394

Cash on Hand

Maintenance Cash	1,639,691
Investments	1,083,813
Accounts Receivable-General	46,133
Due from 8.5 Mile SRF Loan	0
Total Cash	2,769,637

Less

Accounts Payable-General	(219,342)
Retainage	(22,562)
Accounts Payable-Macomb County	(198,658)
Less Liabilities	(440,562)
NET CASH FLOW	2,329,076

Less Carryovers

Repair and Maintenance Reserve	(105,000)
Credits	(132,000)
Engineering Reserve	(190,000)
Equipment	(45,800)
Outfall Gate Replacement	(7,000)
5 Year Maintenance of Switchgear	(31,000)
Return of Surplus Funds	(200,000)
SRF replacement	(1,036,860)
Operating Reserve	(600,000)
Total Carryovers	(2,347,660)

Unreserved Cash	(18,584)
------------------------	-----------------

8 1/2 MILE RELIEF DRAIN - 9/11/17

Funding Source	Apportionment	Manager	Vendor	Amount	Invoice Detail	Project Summary	Project Balance
1/2 Mile Relief	Chapter 20 State of MI - 16.04% County of Macomb - 2.25% Dept. of Roads - 2.25% Eastpointe - 54.33% SAW 11173-01 SRF 5306-01 - \$225,375.00 SRF 5393-01 - \$66,607.24 SRF 5460-01 - \$4,004.31 SRF 5579-01 - \$24,678.24	Astorino	DE-CAL, Inc.	\$ 4,678.00	Invoice #WO17500471 - 8/1/17	Replace condenser on AC unit at Chapaton RTB	
		Astorino	DTE Energy	\$ 7,218.02	Monthly Electrical - 7/11/17 - 8/8/17	Chapaton RTB Stormwater Pumps	
		Astorino	Fishbeck, Thompson, Carr & Huber, Inc.	\$ 28,135.75	Invoice #569152 - 8/22/17 Engineering Services - ending 8/11/17	CIP, Metering/Discharge Protocol, 3-D Modeling, Green Infrastructure, O&M Manual	\$ 244,280.00
		Astorino	Fontana Construction	\$ 23,259.55	Construction Estimate #3 - 2/28/17	Drain Rehabilitation	Project Complete
			Michigan Finance Authority	\$ 320,664.79		Principal & Interest Payments on SRF Loans	
		Astorino	Motor City Electric Technologies	\$ 3,620.03	Invoice #90876 - 3/1/17	Configured Replacement DIGI for NEPS; communication losses; radio malfunction, weatherproof radio cable, security upgrades	
		Astorino	Motor City Electric Technologies	\$ 3,687.10	Invoice #91124 - 8/23/17	Flushing system issues; install print drivers; reset PLC; install Analog Video Encoders	
		Astorino	Motor City Electric Technologies	\$ 609.25	Invoice #91126 - 8/23/17	Add Mobile 911 to WIN-911; repair backup replication	
		Astorino	Sprint	\$ 544.21	Invoice #299514228-171 - 7/4/17 - 8/3/17	Monthly cell phone service	
		Astorino	Wonderware	\$ 6,587.60	Invoice #PB67986 - 8/9/17	Wonderware renewal	
					\$ 399,004.30	Total	



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

RECEIVED
 AUG 28 2017
 ML

Service Invoice

Invoice #: WO17500471

Date: 08/01/2017

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

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

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

Assembly#	Part#	Description	Quantity	Price	Ext Price	Sales Tax
		Quoted Price	1.0000	4,678.000000	4,678.00	N

Notes:

De-Cal Quote #P517080

A/C Replacement

Chg: 8 1/2 Mile Ref

Date	8.28.17
Chief Deputy	AB
Engineer (s)	JA
Manager (s)	
Coordinator (s)	JD
Finance Officer	BAM

PA037000 93000

Staff 9-5-17

Board 9-11-17

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: \$ 4,678.00

Detail Charges

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

Outage Contact Number: 1-313-235-1300

Invoice: 200080255824

Billing Period: 07/11/2017 through 08/08/2017

Days Billed: 29

Metering Information

Meter Number	Start Date	Start Read	Stop Date	Stop Read	Read Difference	Units Multiplier	Usage Used	Type
6321448	07/11	213.8A	08/08	219.3A	5.5	6,400.0000	35,200.0	P - In-V
6321448	07/11	254.1A	08/08	260.3A	6.2	6,400.0000	39,680.0	P - In-W
6321449	07/11	0.0A	08/08	0.0A	0.0	- 6400.000	0.0	P - Out-W
6321449	07/11	0.6A	08/08	0.7A	0.1	- 6400.000	640.0	P - Out-V
6321451	07/11	0.4A	08/08	0.4A	0.0	6,400.0000	0.0	P - In-V
6321451	07/11	0.4A	08/08	0.4A	0.0	6,400.0000	0.0	P - In-W
Total KVARH							35,840.00	
Total KWH							39,680.00	

Invoice: 200080255824 Service Name: Chapaton Pumping Station

Item: 7004376662 Cycle: 05

General Service Municipal Pumping Net Metering

Billing Status Information

1	On-peak Billing Demand	2826	KW	ESTABLISHED	08/02/2017	18:00
3	65% High OP Bill Dmd June-Oct prec 11 mths	1697	KW	ESTABLISHED	09/29/2016	11:30
8	Highest Single Billing Demand	2826	KW	ESTABLISHED	08/02/2017	18:00
A	Current PV High Monthly Demand	2826	KW	ESTABLISHED	08/02/2017	18:00
B	50% of the Contract Capacity for PV	0	KW			
C	Primary Voltage Maximum Demand	6738	KW	ESTABLISHED	08/16/2016	05:00
	Contract Capacity for Location	6738	KW	ESTABLISHED	08/16/2016	05:00
	Power Factor (ratio) for all voltages	75	PCT			
	Total Number of days in the Billing Period	29	DAYS			
	Avg Kilowatthours Used Per Day This Period	1368	KWH			
	Avg Kilowatthours Used Per Day A Year Ago	2296	KWH			
	kWh percentage change from a year ago	-40	PCT			
	Metered outflow	0	KWH			
	Net Delivery Billed (inflow)	39680	KWH			
	Net Inflow (In - Out)	39680	KWH			

Charges for 07/11/2017 through 08/08/2017

Power Supply Charges:

Power Supply Energy:						
Power Supply Energy Charge	39,680	KWH	@ \$	0.0774300	Per Total KWH	3,072.42
Surcharges:						
Power Supply Cost Recovery Factor	39,680	KWH	@ \$	-0.0003000	Per Total KWH	- 11.90
Sub Total:						3,060.52

Delivery Charges:

Service Charge						11.25
Distribution:						
Distribution Energy	39,680	KWH	@ \$	0.0392000	Per Total KWH	1,555.46
Surcharges:						
Nuclear Surcharge	39,680	KWH	@ \$	0.0007280	Per Total KWH	28.89
Energy Optimization Surcharge	2	MTR	@ \$	29.9900000		59.98
LIEAF Factor	2	MTR	@ \$	0.9600000		1.92
Sub Total:						1,657.50
Special Facilities Charge						2,500.00

Invoice Subtotal

Michigan State Sales Tax On Taxable Portion

7,218.02

0.00

Invoice Total

\$7,218.02



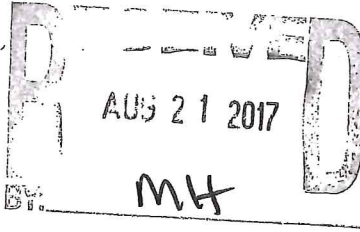


Fishbeck, Thompson, Carr & Huber, Inc.
engineers | scientists | architects | constructors

Federal I.D. No. 38-1841857 | Incorporated

Payment Options

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



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

Invoice: 369152
Invoice Date: 8/22/2017
Project: 130620
Project Name: Macomb Co PW/Chapaton SAW
Bill Term: 1

For Professional Services Rendered Through 8/11/2017

		<u>Current Billings</u>
CIP - Chapaton SAW - CIP and Final Report		12,676.65
Rate Labor	11,990.00	
Unit Rate Expense	686.65	
DP - Chapaton SAW - Metering & Discharge Protocol		4,756.00
Rate Labor	4,756.00	
DWG - Chapaton SAW - 3D Model & Ref Dwgs		7,166.10
Rate Labor	7,144.50	
Unit Rate Expense	21.60	
PM - Chapaton SAW - Overall Mgmt		2,804.50
Rate Labor	2,804.50	
SP - Chapaton SAW - Prevent Maint		732.50
Rate Labor	732.50	
		<u>28,135.75</u>
	Current Billings	<u>28,135.75</u>
	Amount Due This Bill	<u>28,135.75</u>

SAW1173-01

Chg: 8 1/2 Mile Rlf

Date	8.21.17
Chief Deputy	AB
Engineer(s)	UA
Manager(s)	
Coordinator(s)	3D
Finance Officer	AM

PA036957 80300

Staff 9-5-17
Board 9-11-17

**MACOMB COUNTY
PUBLIC WORKS COMMISSIONER
CERTIFICATE OF PAYMENT DUE**

Construction Estimate No. 3 FINAL

Owner: Office of the Public Works Commissioner
21777 Dunham, Clinton Twp., Michigan 48036

Contractor: Fontana Construction
12357 Forest Glen, Shelby Twp, Mi 48135

Project: 8 1/2 Mile Relief Drain Rehabilitation

Date: February 28, 2017

Contract: AEW Project No. 0211-0134-1

Contract Amount: \$ 227,795.07

Previous Payments:
Estimate #1 \$148,879.35
Estimate #2 \$55,656.17

Self 5579.01
Chg: 8 1/2 Mile

Approved Change Orders:
Cont Mod #1 \$0
Cont Mod #2 \$3,606.00
Cont Mod #3 \$-20.94

Adjusted Contract Amount

Date 8.28.17

\$ 227,795.07

Total Value of Work Completed

Chief Deputy RB

\$ 12,049.05

Less Inspection

Engineer(s) UA

\$ 0.00

Retained: 0.00% of the Contract Amount

Manager(s) _____

\$ 12,049.05

Total Value of This Payment

Coordinator(s) BD

\$ 0.00

Less Previous Payment

Finance Officer Spina

\$ 23,259.55

Less Inspection over Contract Amount

70100 \$12049.05

\$ 204,535.52

Value of This Payment

22020 \$11210.50

\$ 0.00

pay \$23259.55 ✓

\$ 23,259.55 ✓

Frank D. Varicalli
Prepared by Engineer: Frank D. Varicalli - AEW

3.1.17
Date:

Thomas R. Stockel
Owner Approval: Thomas R. Stockel, Construction
Engineer, OMCPWC

8-27-17
Date:

Candice S. Miller
Owner Authorization: Candice S. Miller, Macomb
County Public Works Commissioner *TR5*

9-5-17
Date:

Fontana Construction
Contractor's Acceptance:

2-28-17
Date:

Staff 9-5-17
Board 9-11-17

Michigan Finance Authority
State Revolving Funds *Chg: 8 1/2 Mile Drain*

Mr. Bruce Manning,
 8 1/2 Mile Relief Drain Drainage District
 21777 Dunham Road
 Clinton Township, MI 48036
 Phone: (586) 307-8279 Ext: Fax: (586) 469-5933
 Email: bruce.manning@macombgov.org

Date: 8.17.17
 Chief Deputy: AK
 Engineer(s):
 Manager(s):
 Coordinator(s): BA
 Finance Officer: Jim

INVOICE

Due Date	Project Number	ID	Loan Commitment	Principal	Interest	Total
09/25/2017	5306-01/Final	CW	\$4,025,000.00	\$190,000.00	\$35,375.00	\$4,250,375.00
09/25/2017	5393-01*/Final	CW	\$1,246,579.00	\$55,000.00	\$11,607.24	\$1,313,186.24
09/25/2017	5460-01*/Final	CW	\$418,833.00	\$0.00	\$4,004.31	\$4,004.31
09/25/2017	5579-01	CW	\$445,000.00	\$20,000.00	\$4,678.24	\$4,918,002.24
					TOTAL AMOUNT DUE:	\$320,664.79

If you have any questions please contact Nichole Dorr at 517-335-0525
 If you have changes to the contact/billing information please Email those changes to dorrn@michigan.gov.

Below please find three methods of payment to the Michigan Finance Authority

Preferred Method of Payment

Payment via Federal Wire Transfer for ALL Loan Types:
 WIRE transfers MUST be initiated by 10:00 a.m. on **09/25/2017** and sent to:
 The Bank of New York Mellon, N.A.
 ABA: 021-000-018
 A/C: 3919348400
 Reference: 5708-MFA

Payment via ACH Transfer for ALL Loan Types:
 To allow for processing time ACH transfers MUST be initiated by **09/21/2017** and sent to:
 The Bank of New York Mellon, N.A.
 ABA: 021-000-018
 A/C: 8900626003
 Reference: 5708-MFA

Payment By Check For ALL Loan Types
 To allow for processing time checks must be **RECEIVED by 09/18/2017**

For proper credit please include a copy of this invoice and note the reference 5708-MFA on the check. Please mail your payment to:
 The Bank of New York Mellon, N.A.
 ATTN: Pooled Finance Unit - Robert Ferencsik
 10161 Centurion Parkway N.
 Jacksonville, FL 32256

Please note, the Reference information must be included on the wire transfer.

State 9.5.17
Shanna 9.11.17



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

RECEIVED
 AUG 15 2017
 ML4

INVOICE

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

Job Number	915500	Sub Job	0	Contract Number	001	Date Performed	3/1/2017	Application Date	3/30/2017	Application Number	90876
------------	--------	---------	---	-----------------	-----	----------------	----------	------------------	-----------	--------------------	-------

JOE BETZ

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	MACOMB COUNTY T&M	\$8,418.67	-	\$8,418.67	\$8,418.67	-	-
Totals:		\$8,418.67		\$8,418.67	\$8,418.67		
Less Retained:							
Invoice Total:				\$8,418.67			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICES

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

MIDD / OMID
 CHAPATON - 43% = \$3,620.03
 MIDD - 43% = \$3,620.03
 OMID - 14% = \$1,178.61

Date: 8.15.17
 Chief Deputy: AB
 Engineer(s): VIA
 Manager(s):
 Coordinator(s): 36
 Finance Officer: BHM

PA 036905 80700

Staff 9.5.17
 Board 9-11-17

complete electrical construction

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



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

INVOICE

RECEIVED
 AUG 30 2017
 BY: **MM**

Job Number	Sub Job	Contract Number	Date Performed	Application
915500	0	001	8/7/2017	8/23/2017
				Number
				91124

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

JOE BETZ

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	MACOMB COUNTY T&M	\$3,687.10	-	\$3,687.10	\$3,687.10	-	-
Totals:		\$3,687.10		\$3,687.10	\$3,687.10		
Less Retained:							
Invoice Total:				\$3,687.10			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE
 SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

Chapaton:
 G170717-075942 - 100% Chapaton = \$ 150.00
 G170808-083430 - 100% Chapaton = \$ 356.00
 G170807-154234 - 100% Chapaton = \$3,181.10

Chg: 8 1/2 Mile Rd
 Date: *8-30-17*
 Chief: *Copy*
 Engineer(s): *UA*
 Manager(s):
 Coordinator(s): *BD*
 Finance Officer: *[Signature]*

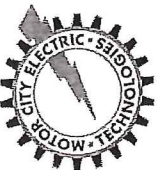
PA037040 80700

Staff 9.5.17

complete electrical construction

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

Dora 9-11-17



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

INVOICE

Job Number	915500	Sub Job	0	Contract Number	001	Date Performed	7/24/2017	Date	8/23/2017	Application Number	91126
------------	--------	---------	---	-----------------	-----	----------------	-----------	------	-----------	--------------------	-------

8.5

Customer
 PO Number
 MACOMB COUNTY PUBLIC WORKS
 21777 DUNHAM ROAD
 CLINTON TOWNSHIP, MI 48036

JOE BETZ

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	MACOMB COUNTY T&M	\$1,218.50	-	\$1,218.50	\$1,218.50	-	-
Totals:		\$1,218.50	-	\$1,218.50	\$1,218.50	-	-
Less Retained:							
Invoice Total:				\$1,218.50			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICES

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

CHAPATON/MID (50% SPLIT)

G170808-082827 - CHAPATON = \$178.00 / MID = \$178.00 : Total \$ 356.00

G170717-075438 - CHAPATON = \$431.25 / MID = \$431.25: Total \$ 862.50

Date 8.30.17
 Chief Deputy AB
 Engineer(s) UA
 Manager(s) _____
 Coordinator(s) BA
 Finance Officer MA

Chy: MIDSD \$ 431.25
 MIDSD - CPS \$ 178.00
 8 1/2 Mile w/ \$ 609.25

PA037042 80700

Staff 9-5-17

complete electrical construction

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

Board 9-11-17



sprint.com/contactus 1-800-927-2199
Call 2 from your Sprint Phone

AUG 15 2017

Last Bill *IMH* **This Bill**

Account Information

Account Name:
MACOMB CO CHAPATON
BASIN

Account Number:
299514228

Invoice Number:
299514228-171

Bill Date:
Aug 07, 2017

Bill Period:
Jul 04 - Aug 03, 2017

TIN Number:
84-1116272

ABA Number:
111-000-012

Current P.O. #:
038588

Previous P.O.:

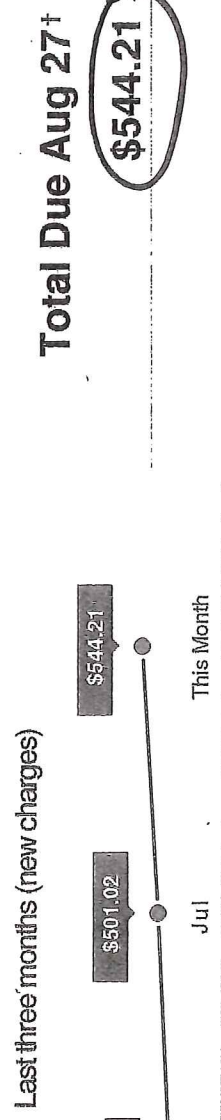
Previous Total Due \$501.02

Chg: 8/15/17
Payments Thank you!
Balance Forward \$0.00

Date 8.15.17
Chief Deputy JA
Engineer(s) JA
Manager(s) _____
Coordinator(s) DB
Finance Officer MM
PA03688p 92600

Plans	\$696.13
Misc. Charges & Adjustments	-\$162.00
Sprint Surcharges*	\$8.94
Government Taxes & Fees	\$1.14
Charges This Bill	\$544.21

Balance Forward \$0.00 Charges This Bill \$544.21



Pay Online sprint.com/mysprint
Pay by Phone 1-800-784-2608 (*3 from your Sprint Phone)
Pay by Mail Return the form below with a check payable to: Sprint

Staff 9.5.17
Boava 9.11.17

Please see the News and Notices section on page 2 for important information and changes to Sprint's policies.

[†] Any unpaid balance after the due date may be subject to a late payment charge per your contract.

*Sprint surcharges are rates we choose to collect from you at our discretion to help defray certain costs, including but not limited to costs associated with government programs and network connections. Surcharges are not taxes or amounts we are required to collect from you by law. Surcharges may include,

Use a passcode to protect against unauthorized access. If you don't use a passcode, anyone who has your handset can access your messages; therefore we strongly recommend you set one up. It's easy - just access your voicemail and follow the prompts.

Protect your Voicemail

Want to save paper? EMAIL:

Check the boxes that apply:

E-Bill - receive your bill by email (you will no longer receive paper bills).

Receive Sprint updates and special offers via email.



425 Caredean Drive
Horsham, PA 19044
215-675-5800
www.wonderwarenorth.com

INVOICE

Invoice ID: PB67986
Date: 8/9/2017
Order No: 76100
F.O.B: Horsham, PA

RECEIVED
AUG 10 2017
BY: MH

Sold To
MACOMB COUNTY PUBLIC WORKS
ATTN: ACCOUNTS PAYABLE
21777 DUNHAM ROAD
CLINTON TOWNSHIP, MI 48036
USA

Ship To
MACOMB COUNTY PUBLIC WORKS
21777 DUNHAM ROAD
CLINTON TOWNSHIP, MI 48036
USA

CUSTOMER ID		CUSTOMER PO.		PAYMENT TERMS		FREIGHT TERMS		
MACOMB COUNTY		WCF RENEWAL		Net 30		Freight: Billed		
SALES REP. ID.		SHIPPING METHOD		SHIP DATE		INVOICE DUE DATE		
						9/8/2017		
QUANTITY			DESCRIPTION			T	UNIT PRICE	EXTENDED PRICE
ORD	SHP	BCK	PART				X	

Q-SUPPORT WW CUSTOMER FIRST AGREEMENT \$15,320.00
CFA 100134

ORDER SPECIFICATIONS

SUB TOTAL: \$15,320.00 (USD)

TOTAL AMOUNT DUE: \$15,320.00 (USD)

PLEASE REFERENCE THIS INVOICE NUMBER ON YOUR CHECK AND REMIT TO:

Q-mation, Inc or Wonderware North
425 Caredean Drive
Horsham, PA 19044

FOR SPEED AND CONVENIENCE, PAYMENT MAY BE WIRED TO THE FOLLOWING ACCOUNT:

Bank Name: Wells Fargo
1977 Norristown Road
Maple Glen, PA 19002
Account Name: Q-mation, Inc
Account# 1559821747
Routing: 121000248
ABA (ACH): 031000503 / Swift: WFBUS6S

WWN is not authorized or obligated to collect sales tax outside the state of Pennsylvania. Please note that the customer named above is solely responsible to timely remit the tax to the proper taxing authority.

Ing: MIDD \$ 6587.60
OMID \$ 2144.80
8 1/2 Mile \$ 6587.60
Staff 8.14.17
Board 9-11-17

Date 8.10.17
Chief Deputy AB
Engineer(s) JA
Manager(s) _____
Coordinator(s) _____
Finance Officer ferm

PA036865 74000

Income Statement
8.5 Mile Relief
As of August 31, 2017

	9-30-2016 Total Fund	10-1-16 to 8-31-17 O&M*
Revenues		2,409,723
Expenditures		1,860,578
Equity**	2,884,401	549,145

NOTES

Projected Reserves as of Sept 30, 2017	600,000
Projected required SRF repair & replacement reserve balance 9/30/17	1,296,075
Total	1,896,075

* Includes following Projects:

Sewer Rehab(SRF 5579-01)	Revenue	44,087
	Expenditures	49,951
	Net	<u>(5,864)</u>
	Remaining balance =	29,825

SAW Grant(1173-01)	Revenue	300,784
	Expenditures	375,085
	Net	<u>(74,301)</u>
	Remaining balance =	285,711

Major projects not yet completed in 2017

RTB Blower design
 2 quarters of personnel from county
 9 Mile flow meter
 1st collection of 2 for screen collection improvements
 Instrumentation all buildings
 Switch gear maintenance

** Broken out as follows:

Engineering carryover balance at 9/30/2016	190,000
Repair and Maintenance carryover at 9/30/2016	105,000
Equipment carryover balance at 9/30/2016	45,800
Required SRF repair & replacement reserve balance 9/30/16	1,036,860
Emergency Reserve	600,000
Due from SEMCWWDS included in revenue but not collected	550,000