

Miller
Santo
Haugh

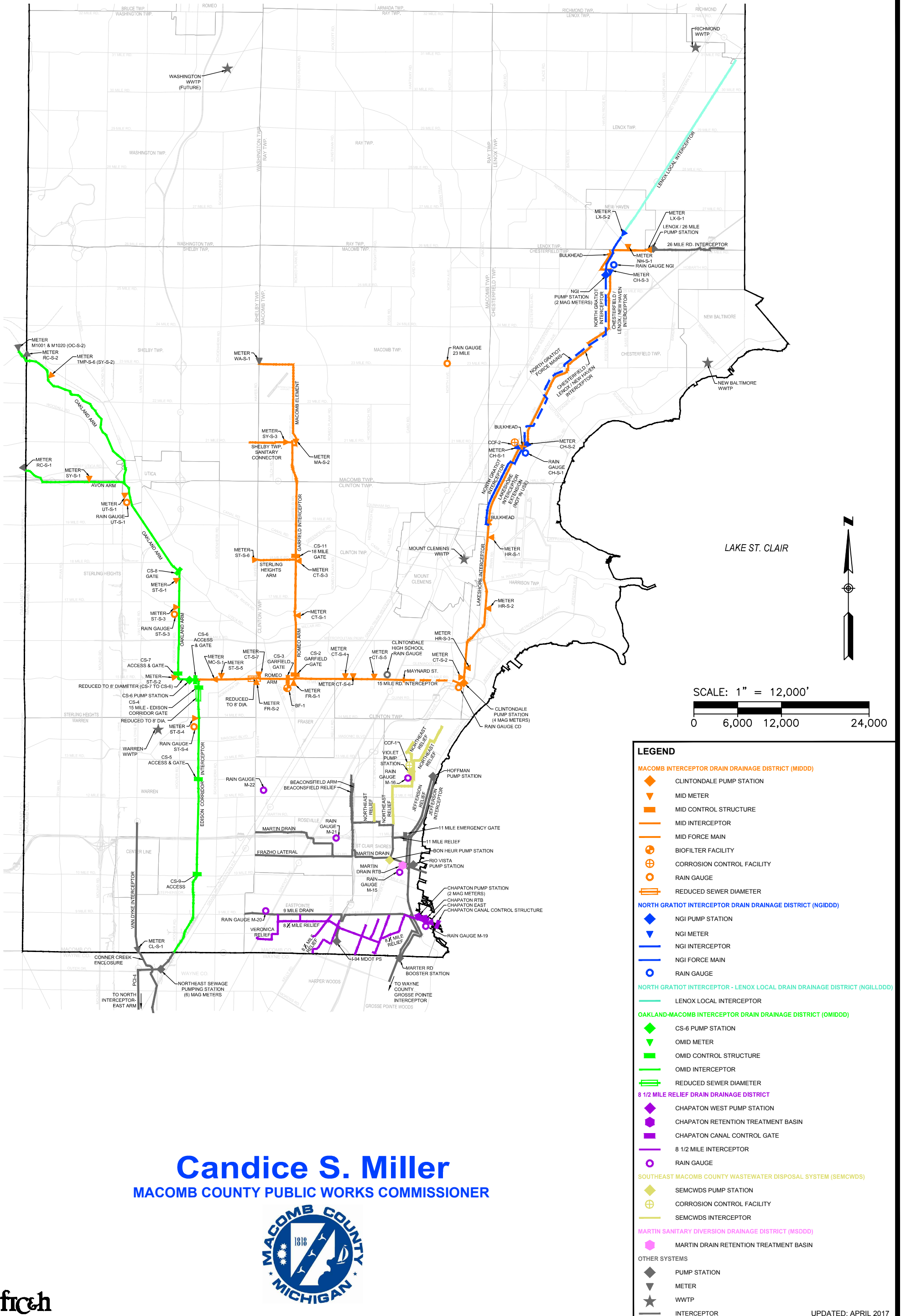
MARTIN SANITARY DIVERSION DRAIN
INTRA-COUNTY DRAINAGE BOARD
OCTOBER 18, 2021
10:00 A.M.
AGENDA

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

**Call in Number: 1-262-404-7425
Access Code: 306 814 485**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for October 18, 2021	
3. Approval of Minutes for September 13, 2021	3
4. Public Participation	
5. Project Update – Vince Astorino	5
6. Consideration for approval of invoices (see attached)	7
7. Financial Report – Bruce Manning	8
8. Adjourn	

MACOMB COUNTY WASTEWATER SYSTEMS



Candice S. Miller

MACOMB COUNTY PUBLIC WORKS COMMISSIONER



UPDATED: APRIL 2017

An adjourned meeting of the Intra-County Drainage Board for the **MARTIN SANITARY DIVERSION 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 September 13, 2021, at 10:01 A.M.

PRESENT: Brian Baker, Acting Chair
Bryan Santo, Member

ABSENT: Harold Haugh, Member

ALSO PRESENT: Veronica Klinefelt, Don VanSyckel, Macomb County Board of Commissioners; Stephen Downing, Construction & Maintenance Manager, Bruce Manning, Financial Manager, Vince Astorino, Operations & Flow Manager, Kellie Kource, Drain Account Specialist, Norb Franz, Communications Manager, Macomb County Public Works; Sydney Hilgendorf, Sterling Heights

The meeting was called to order by the Acting Chair, Brian Baker. A motion was made by Mr. Santo, supported by Mr. Baker to approve the agenda as presented.

Adopted: YEAS: 2
NAYS: 0

Minutes of the meeting of August 9, 2021 were presented. A motion was made by Mr. Santo, supported by Mr. Baker to approve the minutes as presented.

Adopted: YEAS: 2
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 wet weather event on August 12th was intense, but we stayed within permit limits and everything performed well. The disinfection project should be closed out in October.

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

Adopted: YEAS: 2
NAYS: 0

Mr. Astorino updated the board that the flushing pilot project went well, and we have now designed and went out to bid on the project. Our recommendation, along with AEW, is to award D'Agostini to do the work on this project.

A motion was made by Mr. Santo, supported by Mr. Baker to award the bid to L. D'Agostini & Sons Inc. in the amount of \$610,049.34 for the Martin Flushing Project.

Adopted: YEAS: 2
NAYS: 0

The Chair presented the invoices totaling \$53,953.69 to the board for review and approval.

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

Adopted: YEAS: 2
NAYS: 0

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

Adopted: YEAS: 2
NAYS: 0

There being no further business, it was moved by Mr. Santo, supported by Mr. Baker that the meeting of the Martin Sanitary Diversion Drain Board be adjourned.

Adopted: YEAS: 2
NAYS: 0

The meeting was adjourned at 10:09 a.m.



Brian Baker, Acting Chair
Macomb County Public Works Chief Deputy

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 September 13, 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.



Brian Baker, Acting Chair
Macomb County Public Works Chief Deputy

DATED: 9/13/21



Candice S. Miller

Public Works Commissioner
Macomb County

To: Martin Sanitary Diversion Drainage District Board Members

CC: File

From: Vincent Astorino, Operations & Flow Manager

Date: October 18, 2021

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

The following provides a status update for construction work completed within the Martin Sanitary Diversion Drain District (MSDDD) for the previous month.

Wet Weather Operations

Wet Weather Event 1: September 22, 2021

Rainfall: 4.87 inches

Treated Discharge Volume: 118.2 MG Total

Water Quality Numbers: 13 cts / 100 ml geometric mean (Permit maximum is 300 cts/ml)

Description: This event was a long duration rain event which caused a treated discharge for approximately 37 hours. Rain intensity through the event was lower than previous events this year but the duration created a higher volume of treated discharge. Before the event, GLWA was issuing warnings that they might be experiencing power issues and put upstream communities on notice. During the event we did not have any issues with the downstream collection system but we were prepared to respond if required. The E. Coli numbers during the event were very good and well below permit requirements. There were no operational issues during this event.

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. Closed-out St. Clair Shores & EGLE Permits

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)
Revised Contract Amount		\$958,254.15
Total Spent to Date	Pay Apps #1-9	\$856,672.33
Remaining Budget		\$101,581.82

MARTIN SANITARY DIVERSION - 9/21/21 - 10/12/21

<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>
Martin Sanitary Diversion Drain	Chapter 20 Roseville - 78.09% St. Clair Shores - 21.91%	Astorino	DTE Energy	\$ 642.41	Invoice #FZHRC-WKQ16 - 9.17.21	Monthly Electric - 8.17.21 - 9.16.21	\$ 318,158.95
		Astorino	Fishbeck	\$ 17,344.02	Invoice #404101 - 9.9.21	In-System Storage through 9.3.21	
		Astorino	HESCO	\$ 7,200.00	Invoice #202113156 - 9.15.21	Actuator Installation - Emergency Repair	
		Astorino	JCI Jones Chemicals Inc.	\$ 4,595.60	Invoice #868439 - 9.29.21	Hypochlorite Solution	
		Astorino	Swan Analytical Instruments	\$ 1,496.40	Invoice #CD10000504 - 9.8.21	Reagent Sets	
		Astorino	Systems Specialties	\$ 16,139.16	Invoice #53397 - 9.14.21	Electric Actuator	
		Total			\$ 47,417.59		

YTD Budget

Fund: Martin Sanitary Diversion

As of Fiscal Period: Oct 1, 2020-Sept 30, 2021(100%)

DESCRIPTION	2021 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Investment Inc-Interest	4,500		2,103	2,397	46.7%
Misc			433	(433)	100.0%
Contribution from Community			400,000	(400,000)	100.0%
Reimb-Local Communities	920,550		920,550	-	100.0%
PY Revenue-Fund Balance	611,175			611,175	0.0%
<i>Total Revenue Accounts</i>	<i>1,536,225</i>	<i>-</i>	<i>1,323,086</i>	<i>213,139</i>	<i>86.1%</i>
EXPENSE ACCOUNTS					
Application/Permit Fee	6,000		6,000	-	100.0%
Dues, Training, Conf, Subs.	2,560		1,973	587	77.1%
<u>Engineering</u>					
-As Needed Engineering	18,725		23,703	(4,978)	126.6%
-Misc Sewer Repairs	20,000				
- Disinfection System Replacement	175,000		206,058	(31,058)	117.7%
-CCTV of Dewatering Line and Influent and Effluent Boxes	25,000			25,000	0.0%
-Design Flushing System Upgrades & First Flush Capture	865,000		57,873	807,127	6.7%
-Replace Drain Gate Hydraulic Accumulator ⁽¹⁾	-		20,534	(20,534)	100.0%
-Design Basin Equipment Hatch	9,950			9,950	0.0%
-In System Storage Part of Money will receive from SEMSD	-		40,561	(40,561)	100.0%
New Equipment	34,000		27,192	6,808	80.0%
Operating Supplies	48,640		35,428	13,212	72.8%
Other Professional Svcs	11,000		2,737	8,263	24.9%
Personnel Services	205,200		116,883	88,317	57.0%
Repair & Maintenance	28,740		54,388	(25,648)	189.2%
Scada System	46,260		36,621	9,639	79.2%
Utilities	40,150		38,414	1,736	95.7%
<i>Total Expense Accounts</i>	<i>1,536,225</i>	<i>-</i>	<i>668,365</i>	<i>847,860</i>	<i>43.5%</i>

	O&M Balance 9/30/2020	O&M	Total 9/30/2021
Cash - Operating	1,123,849	654,721	1,778,570
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		1,323,086	1,323,086
Expenditures		668,365	668,365
Equity	1,123,849		1,778,570

Detail of 2020 Equity

Design Basin Equipment Hatch	9,950
Replace Drain Gate Hydraulic Accumulator ⁽¹⁾	33,844
As Needed Engineering	18,725
Design Flushing System Upgrades & First Flush Capture	375,000
CCTV of Dewatering Line & Influent and Effluent Boxes	25,000
Disinfection System Replacement	129,501
TRC Equipment	7,500
Pickup Truck	3,900
SCADA Reserves	16,913
Capital Reserves	503,516