

Miller  
Santo  
Haugh

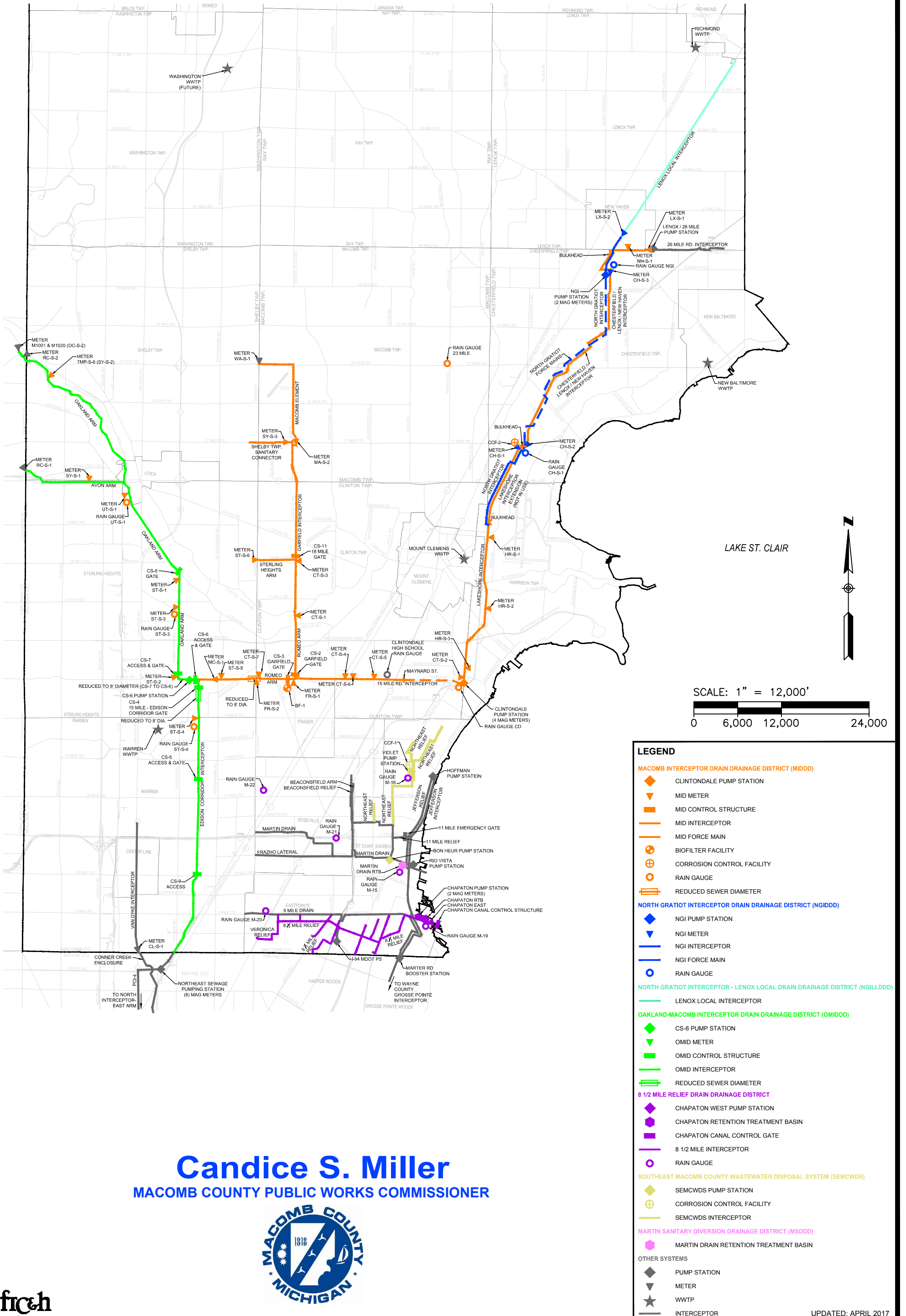
MARTIN SANITARY DIVERSION DRAIN  
INTRA-COUNTY DRAINAGE BOARD  
JUNE 14, 2021  
10:00 A.M.  
AGENDA

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

**Call in Number: 1-304-406-4075  
Access Code: 656 796 376**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for June 14, 2021	
3. Approval of Minutes for May 10, 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



An adjourned meeting of the Intra-County Drainage Board for the **MARTIN SANITARY DIVERSION DRAIN** was held via telephone conference per the State Public Act 254 of 2020 due to the COVID-19 pandemic, on May 10, 2021, at 10:46 A.M.

PRESENT: Candice S. Miller, Chair  
Location: Clinton Township, MI

Harold Haugh, Member  
Location: Roseville, MI

Bryan Santo, Member  
Location: Mt. Clemens, MI

ALSO PRESENT: Don VanSyckel, Macomb County Board of Commissioners; Brian Baker, Chief Deputy, Karen Czernel, Deputy, Jeff Bednar P.E., Environmental Resources Manager, 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 Chair, Candice S. Miller. A motion was made by Mr. Haugh, supported by Mr. Santo to approve the agenda as presented.

Adopted: YEAS: 3  
NAYS: 0

Minutes of the meeting of April 12, 2021 were presented. A motion was made by Mr. Santo, supported by Mr. Haugh 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 disinfection project is underway, on schedule, and within budget. The total residual chlorine units were installed and are now operational.

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

Adopted: YEAS: 3  
NAYS: 0

Mr. Astorino updated the board that we have put together a SRF funding plan for the in-system storage project. We estimate the project could net us 5.2 million gallons of additional storage that could be utilized every rain event. The loan would be 20 years at 1.875%. We will also look into grants that could help with this project.

A motion was made by Mr. Haugh, supported by Mr. Santo to adopt the SRF Project Plan and designate the Chief Deputy Macomb County Public Works Commissioner, Brian Baker, as the authorized representative for all activities associated with the project.

Adopted: YEAS: 3  
NAYS: 0

The Chair presented the invoices totaling \$83,823.06 to the board for review and approval.

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

Adopted: YEAS: 3  
NAYS: 0

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

Adopted: YEAS: 3  
NAYS: 0

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

Adopted: YEAS: 3  
NAYS: 0

The meeting was adjourned at 10:58 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 May 10, 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: 5/10/21



**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: June 14, 2021

Subject: Construction Projects Status Updates for June 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.

### 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 electrical conduits and pulled wires to VFD cabinets
2. Performed startup of new hose pumps with pump representative present
3. Demolished all old piping and installed new plumbing, valves, and instrumentation



**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 #1-6	\$763,983.44
Remaining Budget		\$194,270.71



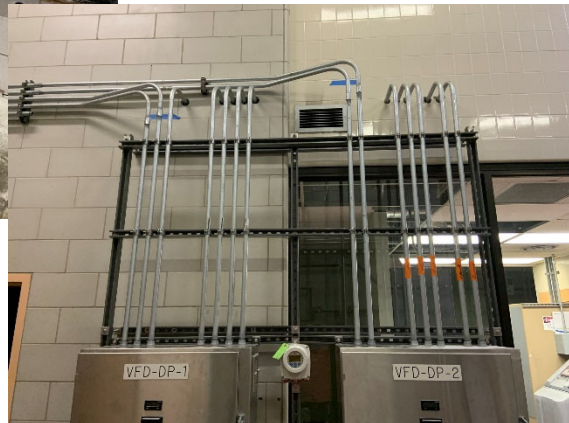
*Figure 1a – Pump Room piping – Before pipe demolition*



*Figure 1b – Pump Room piping – After pipe installation*



*Figure 2 – New hose pumps, plumbing, valves and flow meters*



*Figure 3 – New electrical conduit from VFD cabinets*

<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>		
<b>Martin Sanitary Diversion Drain</b>	Chapter 20 Roseville - 78.09% St. Clair Shores - 21.91%	Astorino	21st Century Media	\$ 8,109.04	Invoice #2144001 - 4.26.21	Macomb Daily Ad - SRF Project Plan			
		Astorino	Access Interactive LLC	\$ 501.30	Invoice #IN000106097 - 5.7.21	SCADA Server			
		Astorino	DTE Energy	\$ 782.66	Invoice #RLSNJ-MS3T0 - 5.19.21	Monthly Electric - 4.20.21 - 5.18.21			
		Astorino	Fishbeck	\$ 8,639.37	Invoice #400248 - 4.21.21	Flushing Project	\$ 72,672.36		
		Astorino	Fishbeck	\$ 13,447.07	Invoice #401055 - 5.19.21	Flushing/SRF Project Plan	\$ 59,225.29		
		Astorino	JCI Jones Chemicals, Inc.	\$ 4,087.92	Invoice #855282 - 5.27.21	Hypochlorite Solution - 4,515 Gallons			
		Astorino	Spencer Oil Company	\$ 605.23	Invoice #8970039 - 5.25.21	Diesel Fuel			
		Astorino	Wade Trim	\$ 1,981.02	Invoice #2021016 - 5.28.21	Martin RTB Disinfection Improvements	\$ 18,545.15		
		Astorino	Weiss Construction	\$ 39,988.16	Invoice #PAY EST #6 - 5.25.21	Martin RTB Disinfection Improvements	\$ 194,270.71		
					<b>Total</b>	\$ 78,141.77			

YTD Budget

Fund: Martin Sanitary Diversion

As of Fiscal Period: Oct 1, 2020-May 31, 2021(67%)

DESCRIPTION	2021 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
<b>REVENUE ACCOUNTS</b>					
Investment Inc-Interest	4,500		963	3,537	21.4%
Reimb-Local Communities	920,550		920,550	-	100.0%
PY Revenue-Fund Balance	611,175			611,175	0.0%
<i>Total Revenue Accounts</i>	1,536,225	-	921,513	614,712	60.0%
<b>EXPENSE ACCOUNTS</b>					
Application/Permit Fee	6,000			6,000	0.0%
Dues, Training, Conf, Subs.	2,560			2,560	0.0%
<b>Engineering</b>					
-As Needed Engineering	18,725		13,424	5,301	71.7%
-Misc Sewer Repairs	20,000				
- Disinfection System Replacement	175,000		102,915	72,085	58.8%
-CCTV of Dewatering Line and Influent and Effluent Boxes	25,000		17,288	7,712	69.2%
-Design Flushing System Upgrades & First Flush Capture	865,000		13,814	851,186	1.6%
-Replace Drain Gate Hydraulic Accumulator <sup>(1)</sup>	-		11,036	(11,036)	100.0%
-Design Basin Equipment Hatch	9,950		2,050	7,900	20.6%
New Equipment	34,000		19,620	14,380	57.7%
Operating Supplies	48,640		13,459	35,181	27.7%
Other Professional Svcs	11,000		5,377	5,623	48.9%
Personnel Services	205,200		36,326	168,874	17.7%
Repair & Maintenance	28,740		16,965	11,775	59.0%
Scada System	46,260		20,930	25,330	45.2%
Utilities	40,150		27,925	12,225	69.6%
<i>Total Expense Accounts</i>	1,536,225	-	301,129	1,215,096	19.6%

	O&M Balance 9/30/2020	O&M	Total 5/31/2021
Cash - Operating	1,123,849	620,384	1,744,233
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		921,513	921,513
Expenditures		301,129	301,129
Equity	1,123,849		1,744,233

**Detail of 2020 Equity**

Design Basin Equipment Hatch	9,950
Replace Drain Gate Hydraulic Accumulator <sup>(1)</sup>	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