

Miller  
Santo  
Haugh

MARTIN SANITARY DIVERSION DRAIN  
INTRA-COUNTY DRAINAGE BOARD  
MAY 15, 2023  
10:00 A.M.  
AGENDA

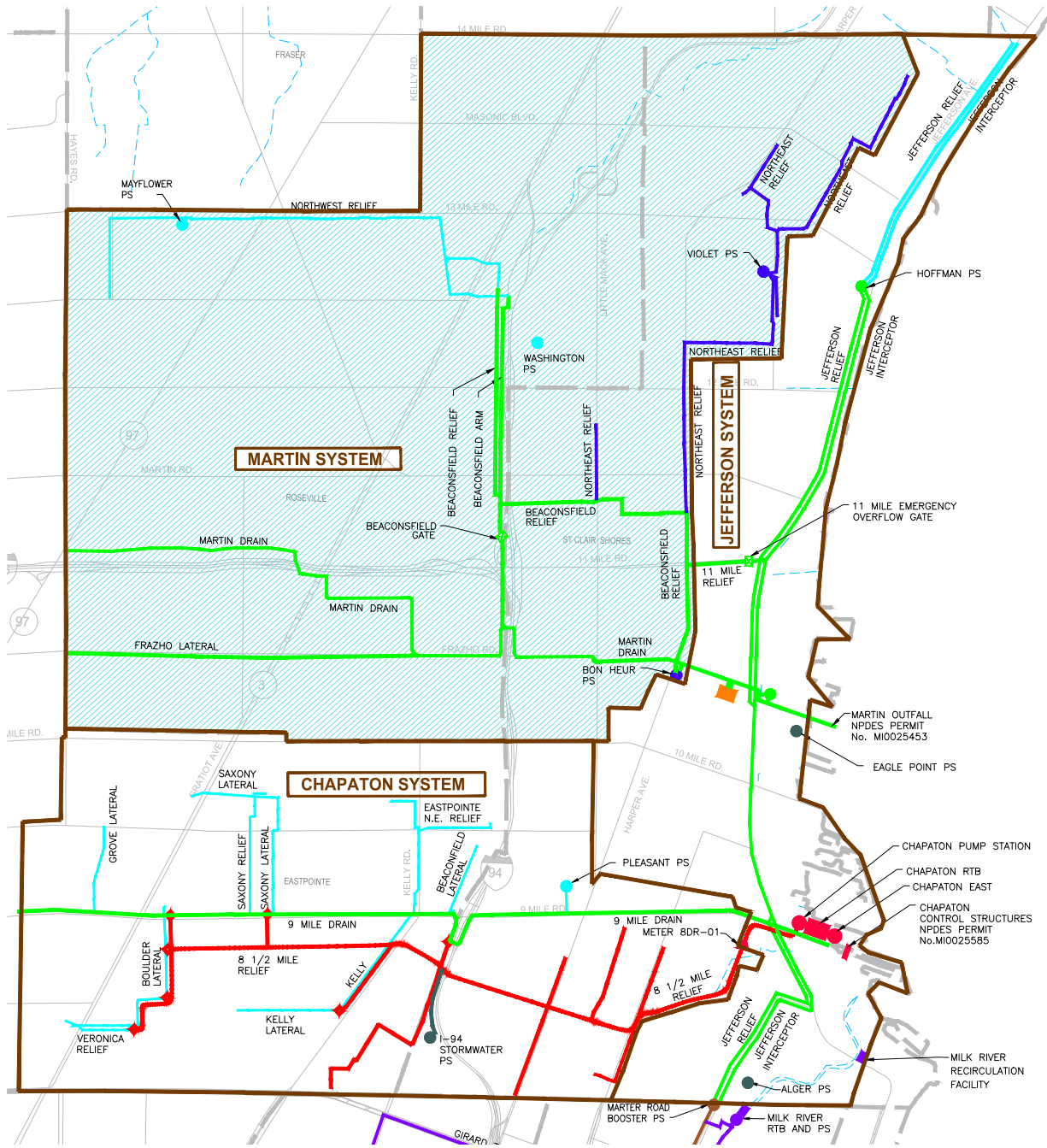
**NOTE: THIS MEETING WILL BE HELD IN PERSON WITH TELECONFERENCE  
OPTION FOR PUBLIC**

**Call in Number: 1-224-990-0182  
Access Code: 927 405 823**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for May 15, 2023	
3. Approval of Minutes for April 10, 2023	3
4. Public Participation	
5. Project & Operations Update – Vince Astorino	6
6. Consideration for approval of invoices (see attached)	8
8. Financial Report – Bruce Manning	9
9. 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.

**MARTIN 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
- RETENTION TREATMENT BASIN
- GRAVITY INTERCEPTOR
- OVERFLOW POINT

PLOT INFO: Z:\2018\181053\CAD\PRECED\SEMSD\_OVERALL.DWG LAYOUT: FIG 3-4\_MARTIN SYS DATE: 1/25/2020 TIME: 7:48:56 AM USER: MESEDKI

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, on April 10, 2023, at 10:01 A.M.

PRESENT: Candice S. Miller, Chair  
Bryan Santo, Member  
Harold Haugh, Member

ALSO PRESENT: Joseph Romano, Macomb County Board of Commissioners; Don VanSyckel, Macomb County Board of Commissioners; Sarah Lucido, Macomb County Board of Commissioners; Vince Astorino, Operations & Flow Manager; Stephen Downing, Construction and Maintenance Manager; Jeff Bednar, Environmental Resources Manager; Dan Acciavatti, Deputy Government Relations; Bruce Manning, Financial Manager; Norb Franz, Communications Manager; Sarah Wojdyla, Drain Account Specialist; Maria Sedki, Fishbeck; Sarah Rutkowski, Fishbeck; Stephen Saph, Nickel & Saph, Inc.

PRESENT VIA TELECONFERENCE: Madison Tanghe, Administrative Assistant; Mary Shepherd, Environmental and Safety Service Supervisor City of Sterling Heights

The meeting was called to order by the Chair, Candice 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 March 13, 2023 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 provided an update that the Martin Sanitary Diversion had one wet weather event in March. The event was on March 31, 2023 with 2.36 inches of rain and had a treated discharge volume of 89.9 MG with good water quality levels. There are no construction updates at this time.

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

Adopted: YEAS: 3  
NAYS: 0

Ms. Sedki from Fishbeck was introduced by Ms. Miller for the Public Hearing of the Martin In-System and the Bon Hour Pump Station Rehabilitation Projects and State Revolving Fund Project Plan. Ms. Sedki said that the State Revolving Fund (SRF) Program is a low interest loan that the State provides to communities for improving wastewater systems and sewer collection systems. The SRF process entails preparing a draft Project Plan which has been completed, as well as placing a public notice on

the County's website for 30 days. Today is the Public Hearing and consideration of a Drain Board Resolution. Then the final project plan can be submitted prior to April 30, 2023. The need for this project for the Martin In-System Storage Device is to reduce the number and frequency of combined sewer overflows (CSOs), improve the water quality in Lake Saint Clair, and to continue to meet EGLE NPDES requirements. The Bon Heur Pump Station Rehabilitation is needed as the current pumps were installed in 1980 and have exceeded their useful life, the pumps aren't large enough to handle the 25 year – 24 hour design storm, as well as the need to meet EGLE NPDES requirements.

Ms. Miller said our entire focus is to eliminate as much CSOs as possible. The Martin In-System Storage Device will be located in the Martin Drain double box. The dry weather flow will pass through the gates. The gates will close during the rain events to store flow upstream in the Martin Drain. Gates will then open after the rain event to let flow pass. The short term impact for this project will be the temporary construction impacts. The long term impact will be to improve the water quality in Lake Saint Clair and extend the life of the Bon Heur Pump Station. Construction would start in January 2024. Total construction costs for Martin Drain would be \$5,130,400. Total construction cost for Bon Heur would be \$7,924,600.

Ms. Miller asked if there was an opportunity for loan forgiveness. Ms. Sedki states the project does qualify for overburden status and the information was submitted to EGLE to confirm. So if they approve the project, we have a chance for a lower interest rate and for loan forgiveness. Mr. Astorino said we should hear back from EGLE in the next few months, before fall.

A motion to approve the Resolution adopting the SRF Project Plan and authorize the Board Chair to sign and submit the necessary documents was made by Mr. Haugh, supported by Mr. Santo.

Adopted: YEAS: 3  
NAYS: 0

The Chair presented the invoices totaling \$10,629.03 to the board for review and approval.

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

Adopted: YEAS: 3  
NAYS: 0

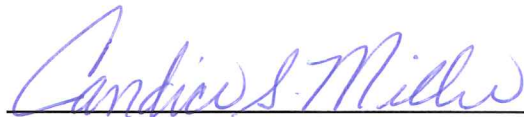
A motion to receive and file the financial report given by Mr. Manning was made by Mr. Haugh and supported by Mr. Santo.

Adopted: YEAS: 3  
NAYS: 0

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

Adopted: YEAS: 3  
NAYS: 0

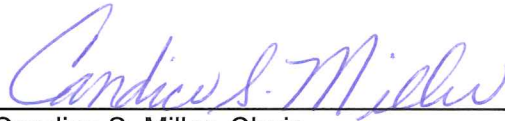
The meeting was adjourned at 10:44 a.m.



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 April 10, 2023 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: 4/21/23



**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: May 15, 2023

Subject: Construction Projects Status Updates for the May 2023 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:** April 4, 2023

**Rainfall:** 1.09 inches

**Treated Discharge Volume:** 37.6 MG

**Water Quality Numbers:** 45 cts / 100 ml geometric mean (Permit maximum is 1000 cts/ml)

**Description:** We were unable to completely dewater from the previous event on 3/31/23. Everything operated as designed and there were no issues to report.

No construction activities at this time.



**Candice S. Miller**

Public Works Commissioner  
Macomb County

April 25, 2023

Dear State Senator Hertel,

My office has recently submitted \$13.1 million of State Revolving Fund (SRF) low-interest financing for two drainage district projects that will greatly benefit the water quality of Lake St. Clair.

The Martin In-System Storage project will reduce combined sewer overflows (CSOs) into Lake St. Clair by 20%. When coupled with an upcoming Jefferson Interceptor project, we will reduce CSOs by 80%. The second project, the rehabilitation of the Bon Heur Pump Station, will replace 45-year-old pumps, extending the station's life, preventing sewage in basements, and increasing in-system storage to further reduce CSOs.

The project costs will be funded by Eastpointe, Roseville, and St. Clair Shores. If the projects are approved by the Michigan Department of Environment, Great Lakes, and Energy (EGLE) the communities will meet the new blended "overburden" community financial status criteria. This could result in acquiring a grant in the form of loan forgiveness, saving these communities several million dollars. This is the first opportunity the County has had to take advantage of grant funding specifically set aside for communities below the State median income or taxable value-per-capita levels.

EGLE will be reviewing and scoring these projects over the next month. I would appreciate it if you could contact EGLE and request their consideration for these vital projects on behalf of the communities. As you know, just as each of the many projects we are working on gets us to our goal of further improving Lake St. Clair, every dollar we receive helps minimize the financial impact on the ratepayers.

I very much appreciate your continued support and endeavors as we work together to improve the water quality of our region.

Sincerely,

Candice S. Miller  
Macomb County Public Works Commissioner

MARTIN SANITARY DIVERSION  
04/18/2023 - 05/09/2023

<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	DTE Energy	\$ 1,122.15	Invoice #23-233 - 04.19.23	Monthly Electric - 03.17.23 - 04.18.23 Lab Supplies RTB Improvements - Design Phase through 4.14.23 Hypochlorite Solution	\$ 60,850.50
		Astorino	Evoqua Water Technologies	\$ 609.12	Invoice #905830275 - 04.17.23		
		Astorino	Fishbeck	\$ 10,731.00	Invoice #422455 - 04.20.23		
		Astorino	JCI Jones Chemicals Inc	\$ 11,124.23	Invoice #910672 - 04.11.23		
		<b>Total</b>			\$ 23,586.50		



**YTD Budget**

**Fund: Martin Sanitary Diversion**

**As of Fiscal Period: Oct 1, 2022-April 30, 2023(58%)**

DESCRIPTION	2023 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
<b>REVENUE ACCOUNTS</b>					
Investment Inc-Interest	5,000		5,662	(662)	113.2%
Reimb-Local Communities	1,061,070		1,061,070	-	100.0%
Use of Reserves/Funds Previously Collected	778,000				
Use of SCADA Reserves	12,950				
PY Revenue-Fund Balance	581,290			581,290	0.0%
<b>Total Revenue Accounts</b>	<b>2,438,310</b>	<b>-</b>	<b>1,066,732</b>	<b>580,628</b>	<b>43.7%</b>
<b>EXPENSE ACCOUNTS</b>					
Application/Permit Fee	6,000		6,000	-	100.0%
Dues, Training, Conf, Subs.	3,310		33	3,277	1.0%
<b>Engineering</b>					
-Basin Equipment Hatch Replacement	30,000			30,000	0.0%
-Gates/Vault/RTB Ductwork Project	1,108,000		19,433	1,088,567	1.8%
-As Needed Engineering	29,090		3,169	25,921	10.9%
-In-System Storage Design & CCA	481,280			481,280	0.0%
-Misc Sewer Repairs	20,000				
-Basin Equipment Hatch Replacement Design	9,950				
New Equipment	1,000			1,000	0.0%
Operating Supplies	61,950		49,695	12,255	80.2%
Other Professional Svcs	9,800		2,765	7,035	28.2%
Personnel Services	220,100			220,100	0.0%
Repair & Maintenance	371,800		26,164	345,636	7.0%
Contribution to SCADA Reserve	5,810			5,810	0.0%
Scada System	34,620		5,325	29,295	15.4%
Utilities	45,600		7,361	38,239	16.1%
<b>Total Expense Accounts</b>	<b>2,438,310</b>	<b>-</b>	<b>119,945</b>	<b>2,288,415</b>	<b>4.9%</b>

	O&M Balance 9/30/2022	O&M	Total 4/30/2023
<b>Cash - Operating</b>	1,294,502	946,787	2,241,289
<b>A/R ISS SEMSD</b>	600,000		600,000
<b>Assets</b>			0
<b>Liabilities</b>			0
<b>Revenues</b>		1,066,732	1,066,732
<b>Expenditures</b>		119,945	119,945
<b>Equity</b>	1,894,502		2,841,289

**Detail of 2022 Equity**

Design Basin Equipment Hatch	9,950	SolarWinds-Net Mgt Software	1,940
Misc Sewer Repairs	20,000	Obsolete Wireless Backhaul Links	3,230
ISS SEMSD Contribution	600,000	Fiber Optic improvements	3,220
In System Storage-Design and CCA	730,290	Firewall Hard Design/Config	2,580
Flushing System Upgrades-Design, Const, CCA	51,151	Parking Lot Resurface	30,000
CCTV of Dewatering Line and Influent and Effluent Boxes	25,000	Capital Reserves	386,400
SCADA Reserves	19,900	As Needed Engineering	10,841