

MARTIN SANITARY DIVERSION DRAIN  
INTRA-COUNTY DRAINAGE BOARD  
MARCH 14, 2022  
10:00 A.M.  
AGENDA

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

**Call in Number: 1-402-588-0132  
Access Code: 692 926 165**

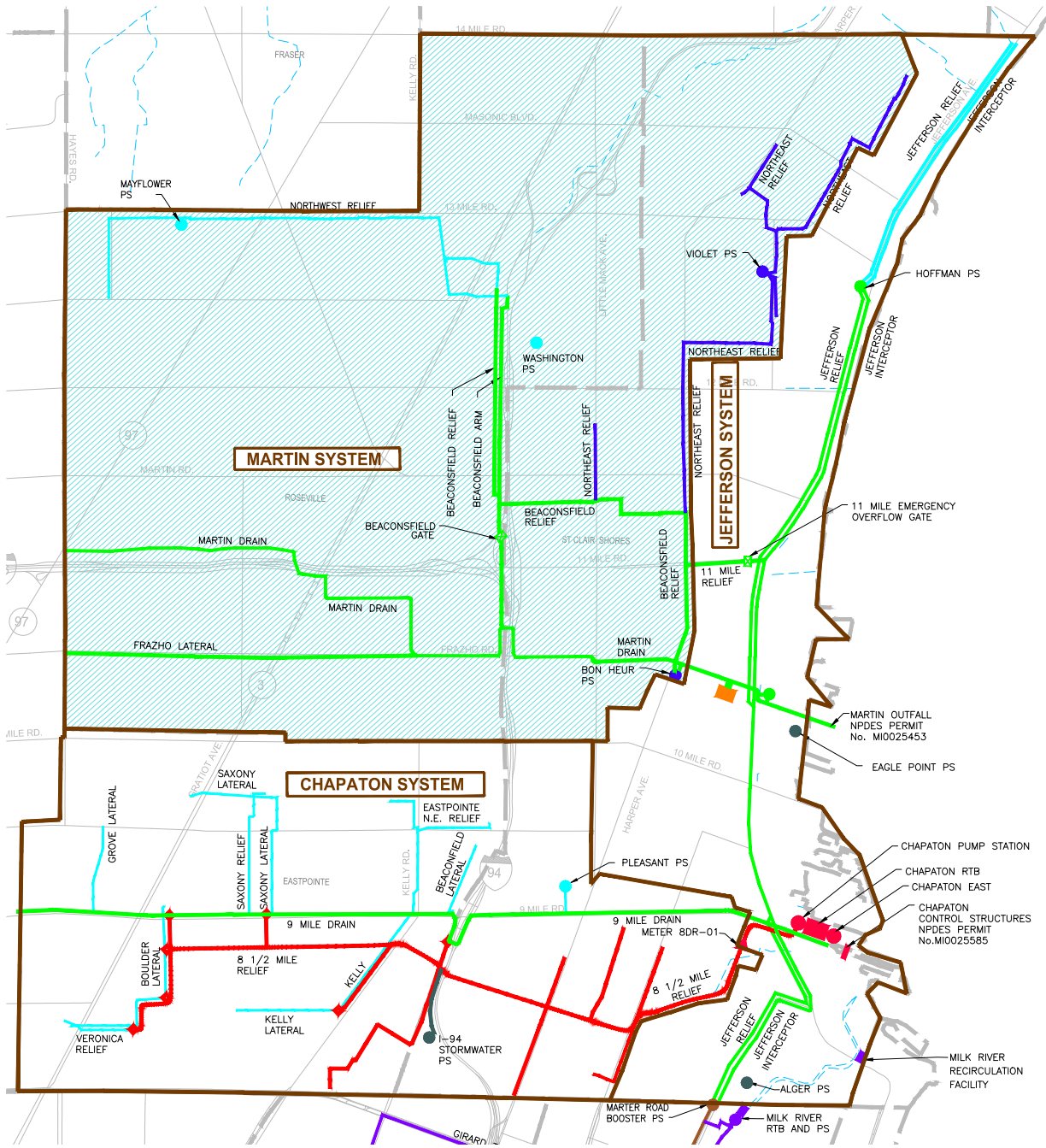
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1. Call of meeting to order and roll call	
2. Approval of Agenda for March 14, 2022	
3. Approval of Minutes for February 14, 2022	3
4. Public Participation	
5. Project & Operations Update – Vince Astorino	6
6. Consideration for approval of invoices (see attached)	8
7. Financial Report – Bruce Manning	9
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.

# 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

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 February 14, 2022, at 10:02 A.M.

PRESENT:                Brian Baker, Acting Chair  
  
                              Harold Haugh, Member  
  
                              Bryan Santo, Member

ALSO PRESENT:     Dan Acciavatti, Deputy Government Relations; Joseph Romano, Macomb County Board of Commissioners; Madison Tanghe, Administrative Coordinator; Don VanSyckel, Macomb County Board of Commissioners

PRESENT VIA TELECONFERENCE:     Vince Astorino, Operations & Flow Manager; Jeff Bednar, Environmental Resources Manager; Steve Downing, Construction & Maintenance Manager; Norb Franz, Communications Manager; Bruce Manning, Financial Manager; Michelle Nard, Macomb County Board of Commissioners; Tom Stockel, Construction Supervisor;

The meeting was called to order by the Acting Chair, Brian Baker. 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 January 10, 2022 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 there were no wet weather events this month and that the gates have been ordered for the Martin Flushing Improvement Project and he has received confirmation that they will arrive in early April. We are anticipating construction to start mid-March. The basin will remain operational during construction. Continuing to work through design of the Martin In System Storage Project.

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

Adopted:            YEAS: 3  
                              NAYS: 0

Mr. Astorino then briefly presented the Martin In-System Storage Project for the Public Hearing, which was also presented last month. We are looking to install a new in-system storage device near the Bon Heur Pump Station utilizing the Bon Heur Pump Station Storage building for system controls to save cost. It will provide 2.6 million gallons of storage in the Martin Drain. It will give us a 20% reduction in annual CSO volume.

We are designing a fixed concrete wall with low flow/dewatering gates. The gates will be able to close to store flow. The top of the wall is designed to keep flow below basement elevations.

We estimated construction costs at about \$4 million and already have budgeted \$620,000 with funds committed from SEMSD for \$1 million. We are looking to finance approximately \$2.4 million, which we have submitted for SRF (low interest loan) funding. We have submitted for a \$1 million federal earmark. There is also other Chapter 20 debt expiring in 2022 and because of that we don't anticipate any rates to go up.

Mr. Baker informed the board of the required public hearing which is set for today. He then asked for public comment. There were no comments from the public.

A motion was made by Mr. Haugh, supported by Mr. Santo to close the Public Hearing.

A motion was made by Mr. Haugh, supported by Mr. Santo to approve the Martin Drain In Systems Storage Project Resolution #2 and authorize the Chair Candice Miller to issue the Final Order of Determination.

Adopted: YEAS: 3  
NAYS: 0

The Chair presented the invoices totaling \$35,871.02 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 10:15 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 taken by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on February 14, 2022 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.



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Brian Baker, Acting Chair  
Macomb County Public Works Chief Deputy

DATED: 02/15/22



**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: March 14, 2022

Subject: Construction Projects Status Updates for the March 2022 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:** February 16, 2022

**Rainfall:** 2.1 inches

**Treated Discharge Volume:** 19.3 MG

**Water Quality Numbers:** 3 cts / 100 ml geometric mean (Permit maximum is 1000 cts/ml)

**Description:** Smaller rain event but since this occurred during the non-growing season the storm behaved as if it was a larger rain event. All equipment worked as designed and there are no issues to report.

### Martin Flushing Improvements Project

**Contractor:** L. D'Agostini & Sons, Inc.

**Engineering Consultant:** AEW

**Project Description:**

This project consists of the installation of two small sluice gates and a concrete weir within the Martin Retention Treatment Basin (RTB) to aid in flushing sediment and debris. The existing piped flushing systems at the facility are largely abandoned and require the use of storm water or lake water to use as the water source. This adds cost since these sources ultimately become metered flow. In 2016, MCPWO obtained approval from EGLE for a pilot program to use dry-

weather flow in the Martin Drain as the flushing water source. This program involves installing temporary stoplogs within the influent channel of the RTB to divert flow through the three main zones within the RTB. This program was successful but requires manned-entries to install and reconfigure the stoplogs. The completion of this project will provide remotely-operated gates and a passive weir to direct flow where needed.

**Significant project tasks that have occurred over the past month:**

1. Conducted pre-construction meeting with contractor and consultant
2. Gate delivery confirmed for early April; no construction activity until mid-March

**Construction Costs:**

	Date (if applicable)	Amount
Original Contract Amount	10/19/21	\$610,049.34
Change Order	-	-
Revised Contract Amount	-	-
Total Spent to Date	-	-
Remaining Budget		\$610,049.34

MARTIN SANITARY DIVERSION  
02.15.22 - 03.08.22

<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%						
		Tanghe	21st Century Media - Michigan	\$ 679.81	Invoice #2274498 - 01.24.22	In System Storage Petition Notices	
		Manning	County of Macomb	\$ 60,854.25	Invoice #AR220208 - 02.08.22	4th Quarter Personnel and Operating Expenses	
		Astorino	DTE Energy	\$ 1,601.98	Invoice #22-046 - 02.16.22	Monthly Electric 01.15.22 - 02.15.22	
		Astorino	Fishbeck	\$ 18,223.54	Invoice #408976 - 02.18.22	In-System Storage through 02.18.22	\$ 184,790.29
		<b>Total</b>		\$ 81,359.58			



**YTD Budget**

**Fund: Martin Sanitary Diversion**

**As of Fiscal Period: Oct 1, 2021-Feb 28, 2022(42%)**

DESCRIPTION	2022 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
<b>REVENUE ACCOUNTS</b>					
Investment Inc-Interest	2,400		69	2,331	2.9%
Contribution from Community	600,000			600,000	100.0%
Reimb-Local Communities	1,011,270		505,635	505,635	50.0%
PY Revenue-Fund Balance	1,183,960			1,183,960	0.0%
<i>Total Revenue Accounts</i>	<i>2,797,630</i>	<i>-</i>	<i>505,704</i>	<i>2,291,926</i>	<i>18.1%</i>
<b>EXPENSE ACCOUNTS</b>					
Application/Permit Fee	6,000			6,000	0.0%
Dues, Training, Conf, Subs.	4,830			4,830	0.0%
<u>Engineering</u>					
-As Needed Engineering	25,000		2,126	22,874	8.5%
-Misc Sewer Repairs	20,000		116	19,884	0.6%
-Flushing System Upgrades-Design,Const, and CCA	795,040		7,145	787,895	0.9%
-In System Storage-Design and CCA	1,218,000		10,328	1,207,672	0.8%
-Design Basin Equipment Hatch	9,950			9,950	0.0%
-In System Storage-Design Money from SEMSD	333,000		12,620	320,380	3.8%
New Equipment	5,120			5,120	0.0%
Operating Supplies	44,880		10,067	34,813	22.4%
Other Professional Svcs	8,750		1,016	7,734	11.6%
Personnel Services	199,390		35,201	164,189	17.7%
Repair & Maintenance	58,800		21,217	37,583	36.1%
Scada System	26,320		4,776	21,544	18.1%
Utilities	42,550		28,925	13,625	68.0%
<i>Total Expense Accounts</i>	<i>2,797,630</i>	<i>-</i>	<i>133,537</i>	<i>2,664,093</i>	<i>4.8%</i>

	O&M Balance 9/30/2021	O&M	Total 2/28/2022
<b>Cash - Operating</b>	1,656,008	372,167	2,028,175
<b>Accounts Receivable</b>			0
<b>Assets</b>			0
<b>Liabilities</b>			0
<b>Revenues</b>		505,704	505,704
<b>Expenditures</b>		133,537	133,537
<b>Equity</b>	1,656,008		2,028,175

**Detail of 2021 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	329,155	Fiber Optic improvements	3,220
Flushing System Upgrades-Design, Const, CCA	807,127	Firewall Hard Design/Config	2,580
CCTV of Dewatering Line and Influent and Effluent Boxes	25,000	Parking Lot Resurface	15,000
SCADA Reserves	14,090		
Capital Reserves	434,716		