

MARTIN SANITARY DIVERSION DRAIN
INTRA-COUNTY DRAINAGE BOARD
OCTOBER 24, 2022
10:15 A.M.
AGENDA

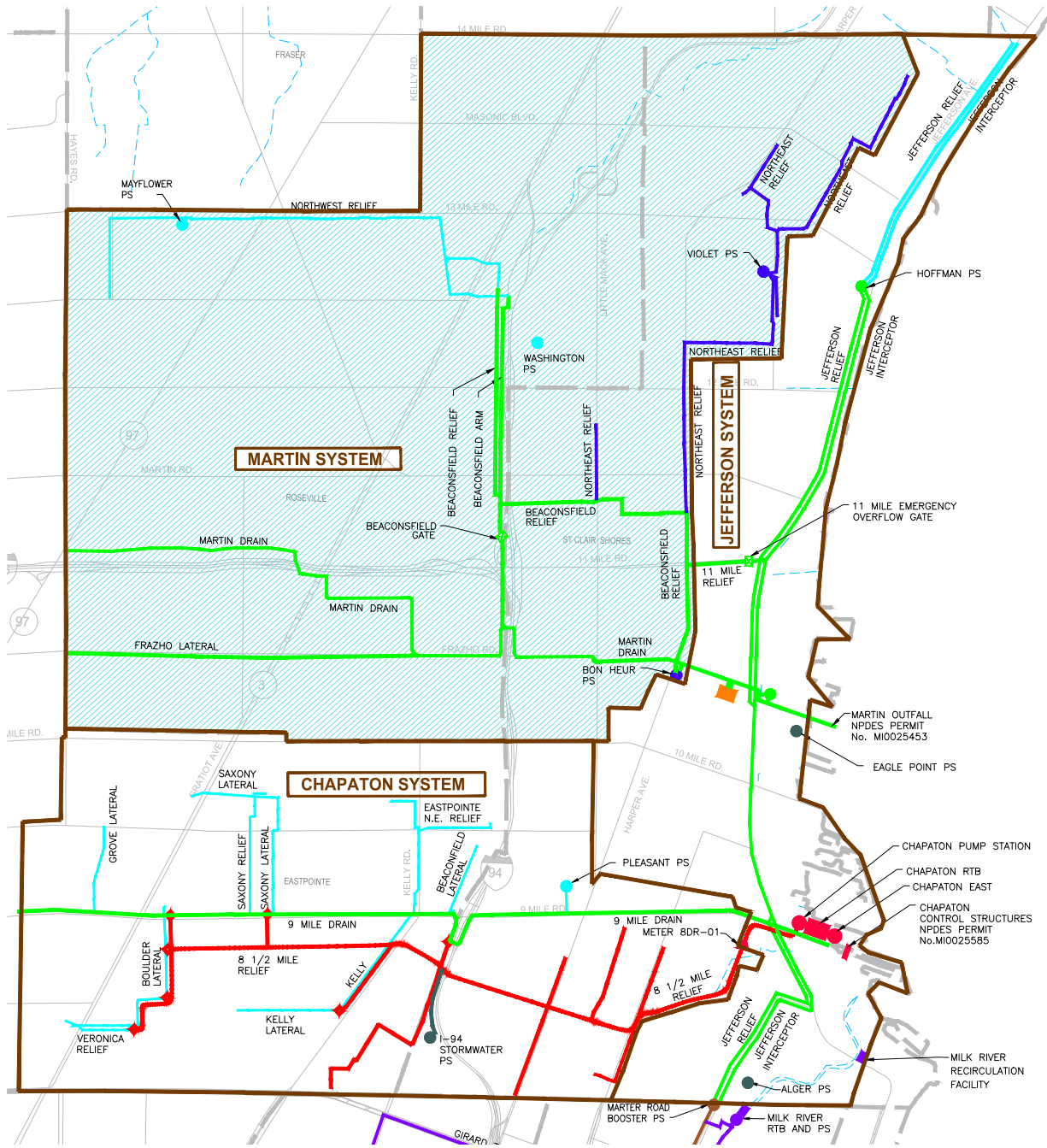
**NOTE: THIS MEETING WILL BE HELD IN PERSON WITH TELECONFERENCE
OPTION FOR PUBLIC**

**Call in Number: 1-585-532-5353
Access Code: 826 512 143**

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1. Call of meeting to order and roll call	
2. Approval of Agenda for October 24, 2022	
3. Approval of Minutes for September 12, 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

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 September 12, 2022, at 11:10 A.M.

PRESENT: Brian Baker, Acting Chair
Bryan Santo, Member

EXCUSED: Harold Haugh, Member

ALSO PRESENT: Vince Astorino, Operations & Flow Manager; Stephen Downing, Construction and Maintenance Manager; Norb Franz, Communications Manager; Bruce Manning, Finance Manager; Pam Sonnenberg, Administrative Assistant; Tom Stockel, Construction Supervisor

PRESENT VIA TELECONFERENCE: Mary Shepard, Environmental and Safety Services Supervisor, City of Sterling Heights; Scott Isenberg, Macomb County Public Works Engineer

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 8, 2022 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 stated there were no wet weather events for the past month.

He next updated on the Martin Flushing Improvements Project. We continue to perform punch list items including restoration touch-ups and we are working on getting the project ready for close-out.

A motion was made by Mr. Santo, supported by Mr. Baker to receive and file the project and operations updates as presented.

Adopted: YEAS: 2
NAYS: 0

Mr. Astorino presented the Intergovernmental Agreement – Martin In-System Storage project. MCPWO and SEMSD have been working to put together an agreement to construct and maintain the Martin In-System Storage Device (ISD). The ISD is located within the SEMSD owned Martin Drain. Per the agreement, we will be granted a 30 year license to construct, operate, and maintain the Martin ISD. This agreement has been developed by both parties' legal staff and with the support of technical staff for each district. SEMSD will inspect upstream before construction begins. MCPWO has committed to them that the Martin District will pay for an inspection one year after project completion. If there is sediment upstream, we will contribute to some of the O&M costs. Also, if this device creates

nuisance odors, we will have to come up with a corrective action plan. This month, we set this area up with odor sensors. The license agreement has been developed by both parties with a common goal to reduce combined sewer overflows to Lake St. Clair. Therefore, the license will be in the amount of \$1 to the SEMSD.

Mr. Baker inquired about bidding the Martin In-System Storage project, and Mr. Astorino replied that the project is on hold until we get the federal funding guidelines. We do not want to put it out for bid until we have those guidelines. If they don't give us waivers, we could be null and void on that project and not get the funding. The design is complete, we are just waiting on the finalized specifications of what we need to submit.

A motion was made by Mr. Santo, supported by Mr. Baker to approve and authorize the Board Chairperson to sign the Martin In-System Project Intergovernment Agreement between the Martin District and SEMSD.

Adopted: YEAS: 2
NAYS: 0

Mr. Astorino presented the Martin RTB Miscellaneous Improvement Project Study, stating that there is a need to start miscellaneous improvement projects at the Martin Retention Treatment Basin. There have been multiple projects identified within the Martin capital improvement plan that will be worked into this project.

A motion was made by Mr. Santo, supported by Mr. Baker to approve the proposal from Fishbeck for \$37,250 for the Martin RTB miscellaneous upgrade study.

Adopted: YEAS: 2
NAYS: 0

The Chair presented the invoices totaling \$48,588.39 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 11:20 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 September 12, 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.



Brian Baker, Acting Chair
Macomb County Public Works Chief Deputy

DATED: 09/12/22



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: October 24, 2022

Subject: Construction Projects Status Updates for the October 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

No wet weather events for this past month.

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. Performed punchlist items including restoration touch-ups.
2. Finalized contractual items and closed-out project.

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount	10/19/21	\$610,049.34
Change Order #1	10/06/22	\$5,104.43
Revised Contract Amount	-	\$615,153.77
Total Spent to Date	Pay Apps 1 -4	\$615,153.77
Remaining Budget		\$0.00

MARTIN SANITARY DIVERSION
09.13.22 - 10.11.22

<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>
Martin Sanitary Diversion Drain	Chapter 20 Roseville - 78.09% St. Clair Shores - 21.91%	Astorino	Access Interactive LLC	\$ 1,246.35	Invoice #INV000109874 - 07.07.22	SCADA Server Upgrade	
		Astorino	Access Interactive LLC	\$ 3,030.00	Invoice #INV000110277 - 09.07.22	SCADA Server	
		Astorino	DTE Energy	\$ 700.95	JE 09.27.22 - 07.19.22	Monthly Electric 06.17.22 - 07.18.22	
		Astorino	DTE Energy	\$ 597.31	Account #9100 007 8001 5 - 08.17.22	Monthly Electric 07.19.22 - 08.16.22	
		Astorino	Fishbeck	\$ 692.04	Invoice #415096 - 09.09.22	Interceptor Inspection Program 07.09.22 - 09.02.22	\$ 82,855.53
		Astorino	Fishbeck	\$ 15,940.65	Invoice #415095 - 09.09.22	Martin Flushing System - CCA	\$ 63,789.27
		Astorino	Fishbeck	\$ 9,368.54	Invoice #415107 - 09.09.22	In-System Storage Design 08.06.22 - 09.02.22	\$ 20,104.79
		Astorino	Fishbeck	\$ 848.00	Invoice #415823 - 10.05.22	Interceptor Inspection Program 09.03.22 - 09.30.22	\$ 75,750.53
		Astorino	Fishbeck/AEW	\$ 7,707.44	Invoice #415820 - 10.05.22	Martin Flushing System - CCA	\$ 63,789.27
		Astorino	Motor City Electric Technologies	\$ 630.00	Invoice #94676 - 09.01.22	Storm Pump Maintenance	
		Astorino	NexGen	\$ 2,220.97	Invoice #3356 - 07.01.22	Annual License/Support/Contractor Portal	
		Astorino	Swan Analytical Instruments	\$ 674.50	Invoice #647.60 - 09.08.22	Swan Sensor	
		Astorino	Swan Analytical Instruments	\$ 1,409.55	Invoice #CD10004730 - 09.08.22	Swan Sensor Reagent	
		Total			\$ 45,066.30		

YTD Budget

Fund: Martin Sanitary Diversion

As of Fiscal Period: Oct 1, 2021-Sept 30, 2022(100%)

DESCRIPTION	2022 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Investment Inc-Interest	2,400		3,573	(1,173)	148.9%
Contribution from Community	600,000		600,000	-	100.0%
Reimb-Local Communities	1,011,270		1,011,270	-	100.0%
PY Revenue-Fund Balance	1,183,960			1,183,960	0.0%
<i>Total Revenue Accounts</i>	2,797,630	-	1,614,843	1,182,787	57.7%
EXPENSE ACCOUNTS					
Application/Permit Fee	6,000			6,000	0.0%
Dues, Training, Conf, Subs.	4,830		2,435	2,395	50.4% x
Engineering					
-As Needed Engineering	25,000		12,988	12,012	52.0% x
-Misc Sewer Repairs	20,000			20,000	0.0%
-Flushing System Upgrades-Design,Const, and CCA	795,040		696,185	98,855	87.6% x
-In System Storage-Design and CCA	1,218,000		448,810	769,190	36.8% x
-Design Basin Equipment Hatch	9,950			9,950	0.0%
-In System Storage-Design Money from SEMSD	333,000			333,000	0.0%
New Equipment	5,120		4,664	456	91.1% x
Operating Supplies	44,880		44,858	22	100.0% x
Other Professional Svcs	8,750		8,118	632	92.8% x
Personnel Services	199,390		165,254	34,136	82.9% x
Repair & Maintenance	58,800		54,499	4,301	92.7% x
Scada System	26,320		22,926	3,394	87.1% x
Utilities	42,550		46,825	(4,275)	110.0% x
<i>Total Expense Accounts</i>	2,797,630	-	1,507,562	1,290,068	53.9%

	O&M Balance 9/30/2021	O&M	Total 9/30/2022 ⁽¹⁾
Cash - Operating	1,656,008	107,281	1,763,289
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		1,614,843	1,614,843
Expenditures		1,507,562	1,507,562
Equity	1,656,008		1,763,289

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		

1) Estimated because September 30 invoices still coming in