

Miller
Santo
Haugh

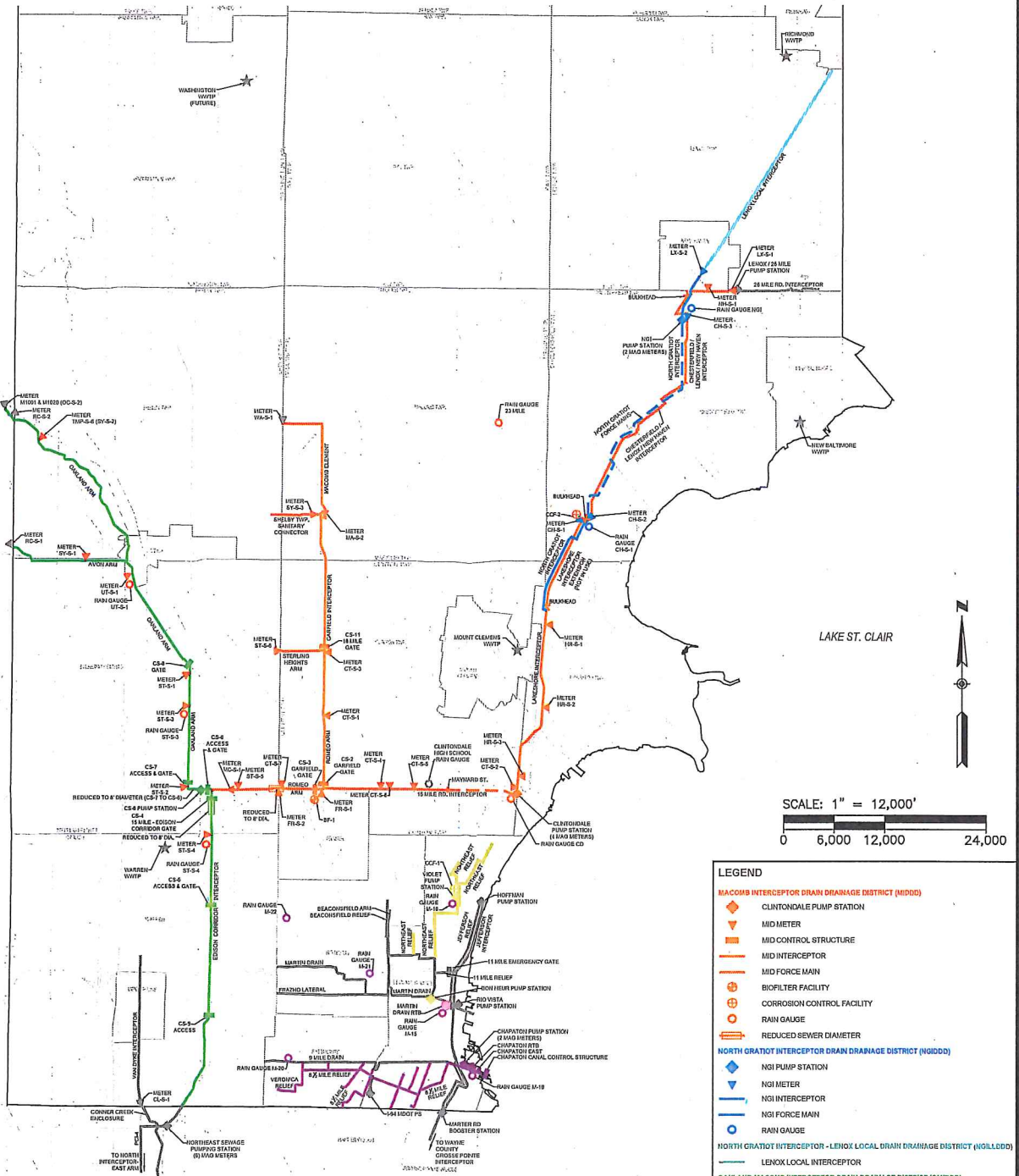
MARTIN SANITARY DIVERSION DRAIN
INTRA-COUNTY DRAINAGE BOARD
FEBRUARY 8, 2021
10:15 A.M.
AGENDA

NOTE: THIS MEETING WILL BE HELD BY TELECONFERENCE

Call in Number: 1-520-800-2214
Access Code: 638 167 355

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for February 8, 2021	
3. Approval of Minutes for January 11, 2021	3
4. Public Participation	
5. Project Update – Vince Astorino	
6. Consideration for approval of invoices (see attached)	6
7. Financial Report – Bruce Manning	7
8. Adjourn	

MACOMB COUNTY WASTEWATER SYSTEMS



SCALE: 1" = 12,000'
0 6,000 12,000 24,000

- LEGEND**
- ◆ MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (MIDD)
 - ◆ CLINTONDALE PUMP STATION
 - ◆ MID METER
 - ◆ MID CONTROL STRUCTURE
 - ◆ MID INTERCEPTOR
 - ◆ MID FORCE MAIN
 - ◆ BIOFILTER FACILITY
 - ◆ CORROSION CONTROL FACILITY
 - RAIN GAUGE
 - ◆ REDUCED SEWER DIAMETER
 - ◆ NORTH GRANT INTERCEPTOR DRAIN DRAINAGE DISTRICT (NGIDD)
 - ◆ NGI PUMP STATION
 - ◆ NGI METER
 - ◆ NGI INTERCEPTOR
 - ◆ NGI FORCE MAIN
 - RAIN GAUGE
 - ◆ NORTH GRANT INTERCEPTOR - LENOX LOCAL DRAIN DRAINAGE DISTRICT (NGLLDD)
 - ◆ LENOX LOCAL INTERCEPTOR
 - ◆ OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (OMIDD)
 - ◆ CS-6 PUMP STATION
 - ◆ OMID METER
 - ◆ OMID CONTROL STRUCTURE
 - ◆ OMID INTERCEPTOR
 - ◆ REDUCED SEWER DIAMETER
 - ◆ 1/2 MILE RELIEF DRAIN DRAINAGE DISTRICT
 - ◆ CHAPATON WEST PUMP STATION
 - ◆ CHAPATON RETENTION TREATMENT BASIN
 - ◆ CHAPATON CANAL CONTROL GATE
 - ◆ 1/2 MILE INTERCEPTOR
 - RAIN GAUGE
 - ◆ SEMOWDS PUMP STATION
 - ◆ CORROSION CONTROL FACILITY
 - ◆ SEMOWDS INTERCEPTOR
 - ◆ MARTIN DRAIN RETENTION TREATMENT BASIN
 - OTHER SYSTEMS**
 - ◆ PUMP STATION
 - ◆ METER
 - ◆ WWTP
 - ◆ INTERCEPTOR

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 228 of 2020 due to the COVID-19 pandemic, on January 11, 2021, at 10:20 A.M.

PRESENT: Candice S. Miller, Chair
Location: Harrison 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, Stephen Downing, Construction & Maintenance Manager, Bruce Manning, Financial Manager, Tom Stockel, Construction Engineer, Vince Astorino, Operations & Flow Manager, Kellie Kource, Drain Account Specialist, Emily Engelmann, Administrative Assistant, Macomb County Public Works; Sydney Hilgendorf, Sterling Heights; John Caron, St. Clair Shores

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 December 14, 2020 were presented. A motion was made by Mr. Haugh, supported by Mr. Santo 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 will be starting at Martin in a few months, and we will be adding security cameras.

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

Adopted: YEAS: 3
NAYS: 0

Mr. Astorino updated the board that back in 2005 the existing flushing system had to be abandoned as it pulled water in from the 10 Mile Drain. In 2015 we worked with AEW to check out the system and there was a lot of sludge built up in the basin resulting in the loss of roughly 1 million gallons of storage. We were experiencing poor water quality values during rain events due to the debris in the bottom of the basin becoming stirred up and released. A proposed temporary solution was to utilize the existing dry weather flow and the gates that we have by storing water within the Martin Drain on dry weather days getting it to a certain point and then force it through the basin in very specific zones. It cleans the basin very well, while eliminating lake or rain water that needs to be treated, but currently

takes about 3 days. Installing automated gates and integrating into our SCADA system will allow us to build a flushing routine that will take only 1 day versus 3 days.

A motion was made by Mr. Haugh, supported by Mr. Santo to approve the proposal from Fishbeck and AEW for the design of the Martin Flushing System at a not to exceed cost of \$69,960.

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$16,006.78 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. Santo and supported by Mr. Haugh.

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 10:30 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 January 11, 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: 1/11/21

MARTIN SANITARY DIVERSION - 1/19/21 - 2/2/21

<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	Colville Electric Co., LLC	\$ 5,940.00	Invoice #210060 - 1.29.21	Security Camera Installation	
		Astorino	County of Macomb	\$ 66,261.46	Invoice #AR200890 - 11.12.20	3rd Quarter Personnel and Operating Expenses	
		Astorino	DTE Energy	\$ 1,042.05	Invoice #R3GD5-76ZKY - 12.18.20	Monthly Electric - 11.17.20 - 12.17.20	
		Astorino	DTE Energy	\$ 1,323.48	Invoice #R5W9G-CGFJ8 - 1.19.21	Monthly Electric - 12.18.20 - 1.15.21	
		Manning	Macomb County Treasurer	\$ 4,029.15	Invoice #19498-Benda - 12.31.20	2020 Ford Truck - Reimburse to Equipment Fund	
		Astorino	Motion & Control Enterprises, LLC	\$ 3,761.81	Invoice #Y73115 - 11.10.20	Hydraulic Accumulator	
		Astorino	Weiss Construction	\$ 4,381.20	Invoice #PAY EST #1 - 12.31.20	Disinfection Project through 12.31.20	\$ 955,113.17
		Astorino	Weiss Construction	\$ 1,426.50	Invoice #PAY EST #2	Martin RTB Disinfection - 1.1.21 - 1.31.21	\$ 932,509.07
			Total	\$ 88,165.65			

YTD Budget

Fund: Martin Sanitary Diversion

As of Fiscal Period: Oct 1, 2020-Jan 31, 2021(33%)

DESCRIPTION	2021 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Investment Inc-Interest	4,500		279	4,221	6.2%
Reimb-Local Communities	920,550		460,275	460,275	50.0%
PY Revenue-Fund Balance	611,175			611,175	0.0%
<i>Total Revenue Accounts</i>	1,536,225	-	460,554	1,075,671	30.0%
EXPENSE ACCOUNTS					
Application/Permit Fee	6,000			6,000	0.0%
Dues, Training, Conf, Subs.	2,560			2,560	0.0%
Engineering					
-As Needed Engineering	18,725			18,725	0.0%
-Misc Sewer Repairs	20,000				
-Disinfection System Replacement	175,000		14,020	160,980	8.0%
-CCTV of Dewatering Line and Influent and Effluent Boxes	25,000		17,178	7,822	68.7%
-Design Flushing System Upgrades & First Flush Capture	865,000			865,000	0.0%
-Replace Drain Gate Hydraulic Accumulator	-		6,936	(6,936)	100.0%
-Design Basin Equipment Hatch	9,950			9,950	0.0%
New Equipment	34,000		19,620	14,380	57.7%
Operating Supplies	48,640		4,167	44,473	8.6%
Other Professional Svcs	11,000		2,115	8,885	19.2%
Personnel Services	205,200			205,200	0.0%
Repair & Maintenance	28,740		11,253	17,487	39.2%
Scada System	46,260		1,557	44,703	3.4%
Utilities	40,150		1,586	38,564	4.0%
<i>Total Expense Accounts</i>	1,536,225	-	78,432	1,437,793	5.1%

	O&M Balance 9/30/2020	O&M	Total 1/31/2021
Cash - Operating	1,123,849	382,122	1,505,971
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		460,554	460,554
Expenditures		78,432	78,432
Equity	1,123,849		1,505,971

Detail of 2020 Equity

Design Basin Equipment Hatch	9,950
Replace Drain Gate Hydraulic Accumulator	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