

MARTIN SANITARY DIVERSION DRAIN
INTRA-COUNTY DRAINAGE BOARD
DECEMBER 9, 2024
10:00 A.M.
AGENDA

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

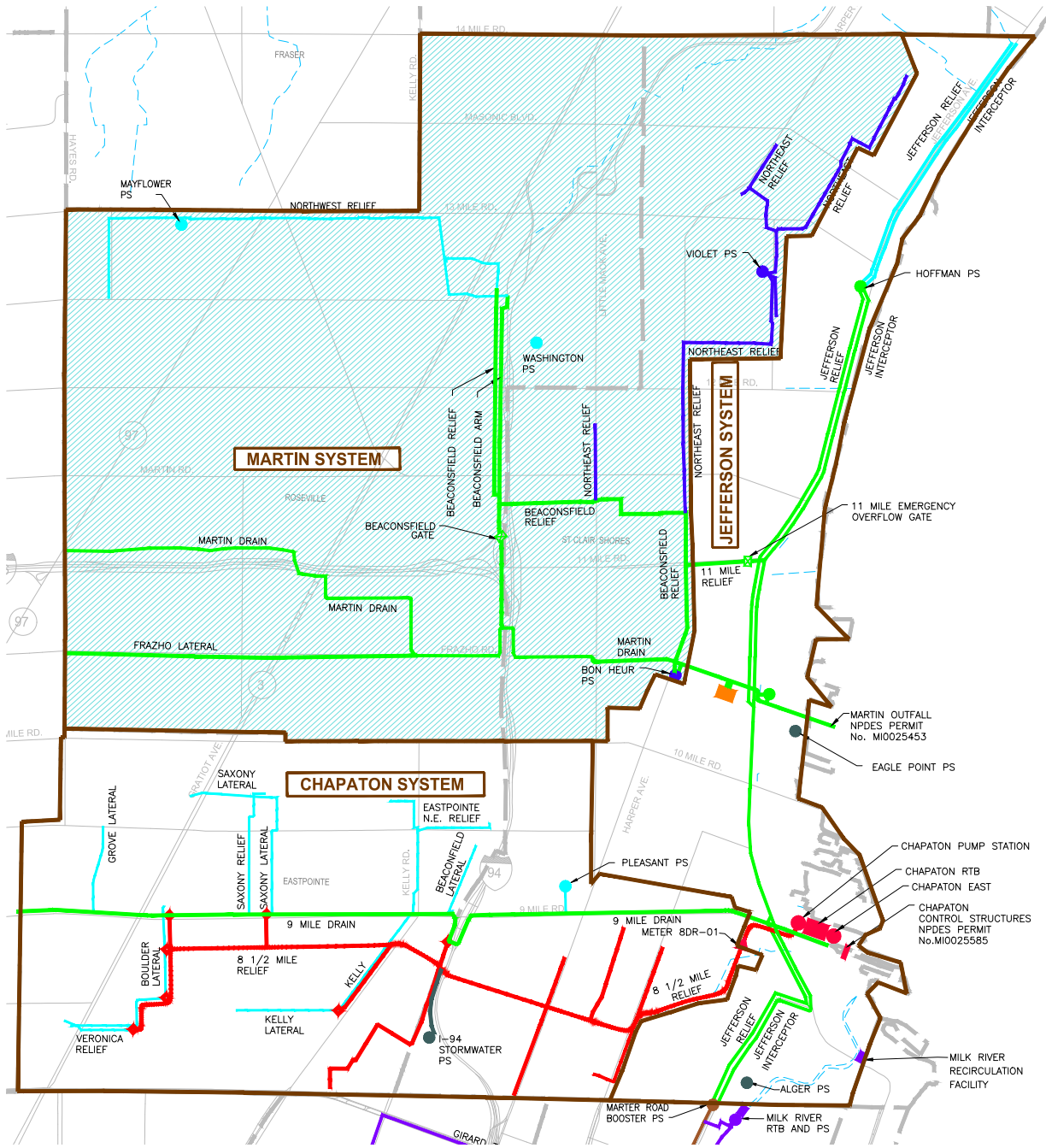
**Teams Meeting ID: 232 801 947 395
Passcode: Dm2n7U**

**Call in Number: 1-917-933-5524
Passcode: 579 200 312#**

| | Page |
|--|------|
| 1. Call of meeting to order and roll call | |
| 2. Approval of Agenda for December 9, 2024 | |
| 3. Approval of Minutes for November 18, 2024 | 3 |
| 4. Public Participation | |
| 5. Project & Operations Update – Vince Astorino | 5 |
| 6. Consideration for approval of invoices (see attached) | 16 |
| 7. Financial Report – Bruce Manning | 17 |
| 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 November 18, 2024, at 10:04 A.M.

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

EXCUSED: Harold Haugh, Member

ALSO PRESENT: Vince Astorino, Operations & Flow Manager; Brian Baker, Chief Deputy; Stephen Downing, Construction and Maintenance Manager; Steve Duchane, Community Services Coordinator; Norb Franz, Communications Manager; Bruce Manning, Finance Manager; Pamela Sonnenberg, Administrative Assistant; Tom Stockel, Construction Supervisor; Sarah Lucido, Board of Commissioners; Don VanSyckel, Board of Commissioners

The meeting was called to order by the Chair, Candice S. Miller. A motion was made by Mr. Santo, supported by Ms. Miller to approve the agenda as presented.

Adopted: YEAS: 2
NAYS: 0

Minutes of the meeting of October 7, 2024 were presented. A motion was made by Mr. Santo, supported by Ms. Miller 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 provided an update that Martin had no wet weather events this month. Construction demolition of two old flushing systems that are no longer in use has started.

The USACE Green Infrastructure design grant project is out to bid.

Ms. Miller updated the board regarding the Jefferson Pipe project. There will be an additional pipe laid along Jefferson to reduce CSO's by approximately 50% in the City of St. Clair Shores. Ric-Man Construction has bid on the project for \$22,238,390.

A motion was made by Mr. Santo, supported by Ms. Miller to receive and file the project and operations update as presented.

Adopted: YEAS: 2
NAYS: 0

The Chair presented the invoices totaling \$126,911.81 to the board for review and approval.

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

Adopted: YEAS: 2
NAYS: 0

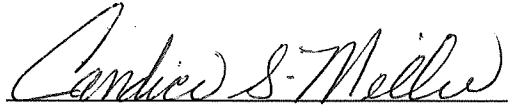
A motion to receive and file the financial report given by Mr. Manning was made by Mr. Santo and supported by Ms. Miller.

Adopted: YEAS: 2
NAYS: 0

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

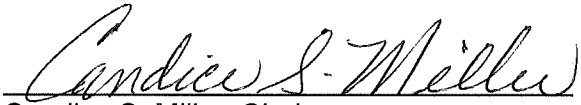
Adopted: YEAS: 2
NAYS: 0

The meeting was adjourned at 10:31 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 taken by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on November 18, 2024 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: 11/18/2024



To: Martin Sanitary Diversion Drainage District Board Members

CC: File

From: Vincent Astorino, Operations Director

Date: December 9, 2024

Subject: Construction Projects Status Updates for the December 2024 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 treated discharges since the last board meeting.

Martin RTB Improvements Project

Contractor: Reliance Building

Engineering Consultant: Fishbeck

Project Description:

The project consists of multiple items throughout the facility. A general list of items is listed below.

- Replacement of the Martin RTB dewatering gate which is original to the facility.
- Rehabilitation of the dry weather and drain underground vaults.
- Demolition of the old flushing system which includes pipe and pump removal along with properly abandoning the old underground flushing chambers.
- Installation of new underground electrical conduits to abandon old failing conduits.
- Chemical grouting of infiltration within the basement of the Martin building.
- Martin RTB blower and ductwork replacement.
- Equipment hatch cover replacement.

- Equipment crane and trolley replacement/rehab.
- Access hatch replacements around the RTB.
- New TRC sampling pump installations around the RTB.

Significant project tasks that have occurred over the past month:

1. Submittals are being received and processed by the engineering team.
2. Construction Activities per Update Period:
 - Continued cutting and removing existing 16inch ductile iron flushing pipe inside basin as required, approximately 85% removed from basin.
 - Continued daily off-site disposal of flushing pipe being removed as recommended.
 - Terminated electrical connections as necessary for equipment removal in basement pipe gallery.
 - Cut and removed existing 6inch old flushing pipe from downstairs pipe gallery, approximately 5% removed from basement.
 - Removed hangers/supports for air ventilation ducts in basin and installed new as designed.
3. Construction Look Ahead:
 - Continue to remove existing ductile iron flushing pipe and supports from basin.
 - Continue to load out & remove pipe and supports from basin.

Construction Costs:

| | Date (if applicable) | Amount |
|--------------------------|----------------------|----------------|
| Original Contract Amount | | \$3,369,388.65 |
| Total Spent to Date | Pay Apps. #1-2 | \$221,400.00 |
| Remaining Budget | | \$3,147,988.65 |

Design Projects

- USACE Green Infrastructure Grant
 - Have started the agreement process with USACE for this \$400,000 project with USACE covering \$300,000 of that. The \$100,000 match to be provided by MSDDD has already been budgeted.
 - USACE has started working on scope for the project. No update at this time.
 - USACE is proposing that there are not enough funds to design and construct this project. Therefore, it is being planned that this round of funding is purely for design.

Figure 1 –Electrician Disconnecting Electrical Martin RTB Pipe Gallery



Macomb County Public Works Commissioner Candice S. Miller

21777 Dunham Road, Clinton Township, Michigan 48036

MAIN LINE: 586-469-5325 | ENGINEERING 586-469-5910 | SOIL EROSION 586-469-5327

Figure 2 – Electrician Disconnecting Electrical Martin RTB Pipe Gallery



Figure 3 – Removing Existing 6-Inch Flushing Pipe In Station Basement



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Figure 4 – Hoisting Old Equipment from Martin Basement Pipe Gallery



Figure 5 – Cutting Existing Flushing Pipe in Martin RTB



Figure 6 – Removing Existing Flushing Pipe in Martin RTB



Figure 7 – Temporary Work Lighting in Martin RTB



Figure 8 – Hoisting Flushing Pipe at Martin RTB Access Hatch



Figure 9 – Loading Out old Flushing Pipe & Supports at Martin Station



MARTIN SANITARY DIVERSION
12/03/2024

| <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 | DTE Energy | \$ 961.13 | Invoice #24-834 - 11.19.24 | Monthly Electric - 10.16.24 - 11.13.24 | |
| | | Astorino | Fishbeck | \$ 29,530.80 | Invoice #445118 - 11.26.24 | RTB Improvements CCA | \$ 282,607.05 |
| | | Astorino | Reliance Building Company | \$ 184,500.00 | Invoice #App 2 - 11.19.24 | RTB Improvements | \$ 3,147,988.65 |
| | | Astorino | SEMSD | \$ 616,200.00 | Invoice #Req 2 - 11.17.24 | Jefferson Design-AEW-County ARPA \$ Passthrough | \$ 18,394,929.29 |
| | | Astorino | State of Michigan - EGLE | \$ 6,000.00 | Invoice #11279956 - 11.27.24 | NPDES Annual Permit Fee | |
| Total | | | | \$ 837,191.93 | | | |

YTD Budget

Fund: Martin Sanitary Diversion

As of Fiscal Period: Oct 1, 2024-Nov 30, 2024 (17%)

| DESCRIPTION | 2025 FINAL BUDGET | ENCUMBERED | ACTUAL | REMAINING BUDGET | PCT UTILIZED |
|---------------------------------|----------------------|------------|---------|---------------------|--------------|
| REVENUE ACCOUNTS | | | | | |
| Investment Inc-Interest | 46,000 | | 33,245 | 12,755 | 72.3% |
| Reimb-Local Communities | 1,146,000 | | 573,000 | 573,000 | 50.0% |
| Federal Earmark | 1,900,000 | | | 1,900,000 | 0.0% |
| PY Revenue-Fund Balance | 1,628,910 | | | 1,628,910 | 0.0% |
| <i>Total Revenue Accounts</i> | 4,720,910 | - | 606,245 | 4,114,665 | 12.8% |
| EXPENSE ACCOUNTS | | | | | |
| Application/Permit Fee | 6,000 | | | 6,000 | 0.0% |
| Dues, Training, Conf, Subs. | 3,300 | | 203 | 3,097 | 6.2% |
| Engineering | | | | | |
| -Martin Improvement Project | 3,556,120 | | 46,588 | 3,509,532 | 1.3% |
| -Martin Electrical Improvements | 627,000 | | | 627,000 | 0.0% |
| -As Needed Engineering | 55,970 | | | 55,970 | 0.0% |
| -Misc Sewer Repairs | 20,000 | | | 20,000 | 0.0% |
| Equipment | 700 | | | 700 | 0.0% |
| Operating Supplies | 82,480 | | | 82,480 | 0.0% |
| Other Professional Svcs | 13,500 | | | 13,500 | 0.0% |
| Personnel Services | 255,630 | | | 255,630 | 0.0% |
| Repair & Maintenance | 34,900 | | 2,433 | 32,467 | 7.0% |
| Contribution to SCADA Reserve | 5,810 | | | 5,810 | 0.0% |
| Scada System | 13,050 | | 565 | 12,485 | 4.3% |
| Utilities | 46,450 | | 1,826 | 44,624 | 3.9% |
| <i>Total Expense Accounts</i> | 4,720,910 | - | 51,615 | 4,669,295 | 1.1% |

| | O&M Balance 9/30/2024 | O&M | Total 11/30/2024 |
|-------------------------|--------------------------|---------|---------------------|
| Cash - Operating | 2,450,402 | 554,630 | 3,005,032 |
| Assets | | | 0 |
| Liabilities | | | 0 |
| Revenues | | 606,245 | 606,245 |
| Expenditures | | 51,615 | 51,615 |
| Equity | 2,450,402 | | 3,005,032 |

Detail of 2024 Equity

| | |
|----------------------------|-----------|
| Misc Sewer Repairs | 20,000 |
| SCADA Reserves | 5,810 |
| As Needed Engineering | 57,000 |
| Martin Improvement Project | 1,609,090 |
| Capital Reserve | 758,502 |