

MARTIN SANITARY DIVERSION DRAIN
INTRA-COUNTY DRAINAGE BOARD
JULY 11, 2022
10:00 A.M.
AGENDA

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

**Call in Number: 1-570-634-6003
Access Code: 519 587 337**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for July 11, 2022	
3. Approval of Minutes for June 13, 2022	3
4. Public Participation	
5. Project & Operations Update – Vince Astorino	6
6. Martin Petitioned Improvement – Public Hearing & Final Apportionment Resolution – Brian Baker	10
Motion: To adopt the final order of apportionment resolution for the Martin Drain petitioned project.	
7. Consideration for approval of invoices (see attached)	17
8. Financial Report – Bruce Manning	18
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

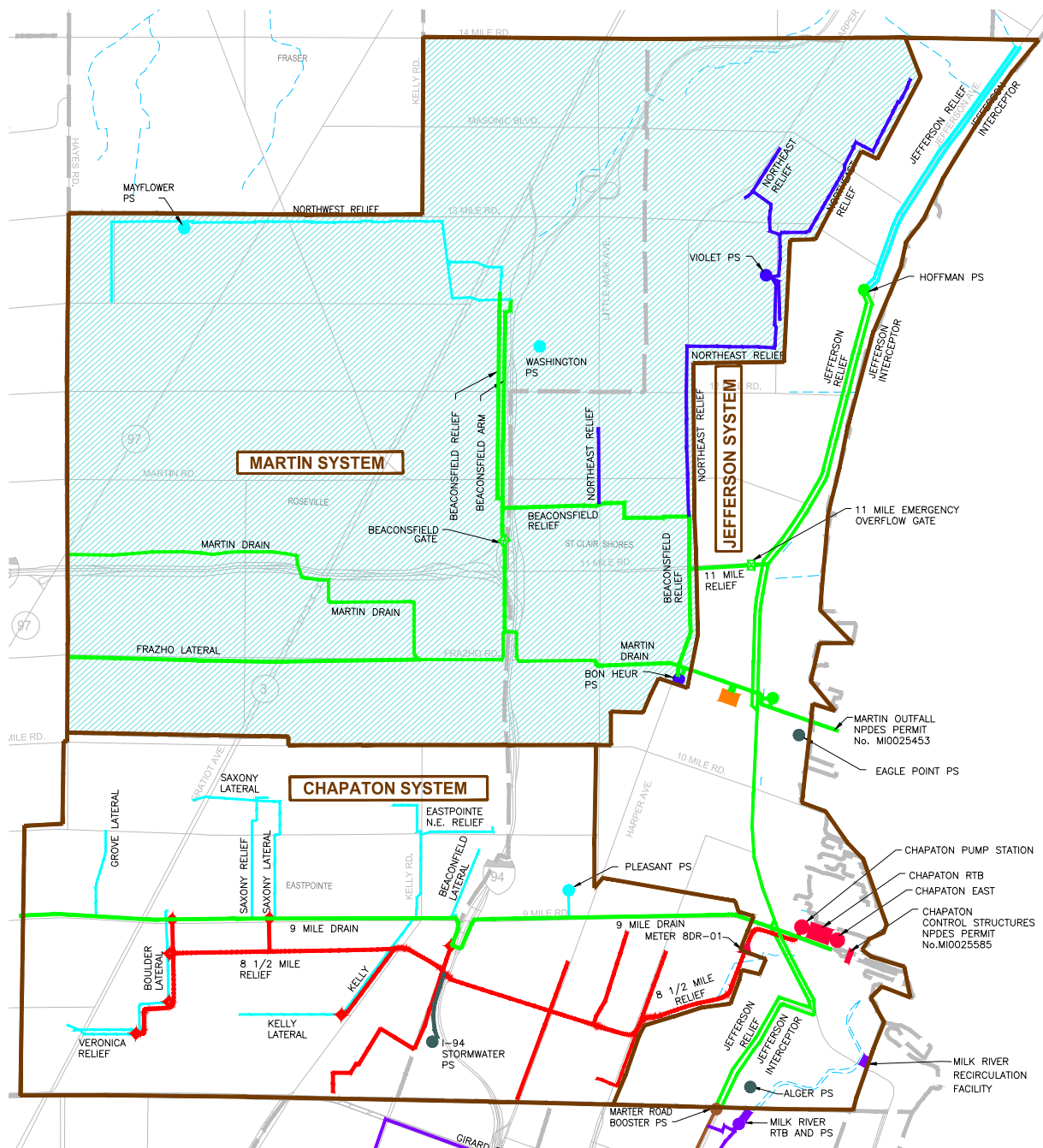
Macomb County, MI

Southeast Macomb Sanitary District Wastewater Master Plan

PROJECT NO.

181053

3.4



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 June 13, 2022, at 10:02 A.M.

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

ALSO PRESENT: Brian Baker, Chief Deputy; Norb Franz, Communications Manager; Veronica Klinefelt, Macomb County Board of Commissioners; Bruce Manning, Finance Manager; Pam Sonnenberg, Administrative Assistant; Tom Stockel, Construction Supervisor; Don VanSyckel, Macomb County Board of Commissioners, Sarah Wojdyla, Drain Account Specialist

PRESENT VIA TELECONFERENCE: Vince Astorino, Operations & Flow Manager; Stephen Downing, Construction and Maintenance Manager; Mary Shepard, Environmental and Safety Services 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 May 9, 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.

The Project and Operations Update was presented by Mr. Astorino. He stated that Martin had one wet weather event that occurred on May 16th. We had approximately 1.83 inches of rain which equated to about 8.1 MG of treated discharge. Everything operated as designed and there were no issues to report.

The Martin Flushing Improvements Project is moving forward. They are working on installing 2 small gates and a concrete weir within the basin. The contractor has also been working to run the hydraulic and electrical conduits through the basin. The contractor has exceeded the approved contract substantial completion date of April 17th. MCPWO has issued notice of this to the contractor and has requested a recovery schedule to get back on track. A recovery schedule has been provided by the contractor with a new substantial completion date of June 2nd which has also not been met.

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

Adopted: YEAS: 3
NAYS: 0

Mr. Baker stated we have received and approved petitions from St. Clair Shores and Roseville for the Martin In-System Storage Project. We awarded the design and that was in order to get plans and estimated costs. We now have 90% design. The next steps in the petition process is to approve the project plans and the tentative apportionment of the cost. It is the same apportionment of cost as we have always historically had. We will be setting a public hearing for next month to hear objections and we will be putting an ad in the Macomb Daily twice this month. The project will be of no cost to the rate payers there. We've received \$1 million dollars in funding in the SEMSD. Between federal, state, and county ARP funding, we believe we have the project cost covered. Ms. Miller then suggested sending city council of Roseville a letter to update them that there will be no cost on the project as a reminder. Mr. Astorino then updated on the Martin In-System Storage Project. There will be 4.3 million gallons of storage with a 20% average annual CSO reduction for the Martin District and is estimated to cost \$5 million. The design consists of a large concrete wall, 6 sluice gates, and odor control will be added. The roof slab is designed with bridge beams due to openings required for the gates and will be classified as a bridge. There will be inspections. Bon Hour Street will be closed. We are planning for 1 year of construction but only allowing the contractor to close the road for 6 months. The design will be completed by the end of this month and the project to start around September. Ms. Miller added that we need to send a letter regarding the detour to the residents to keep them aware of the timeline and the reason for the road closures.

Mr. Haugh asked Mr. Astorino who will have control of the gates to regulate the flow in the In-System Storage Unit and Mr. Astorino told him that it will be Macomb County staff.

A motion was made by Mr. Haugh, supported by Mr. Santo to adopt the resolution approving the plans and specifications for the Martin Drain improvements, the tentative apportionment of costs, and setting of a public hearing on apportionment objections for July 11, 2022.

The Chair presented the invoices totaling \$ 402,692.62 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

Mr. Haugh asked a question regarding the GLWA and Highland Park. He mentioned that when the situation was revealed, Mr. Hackel and Ms. Miller suggested that the 11 communities withhold a percentage of their bill and put in escrow their payments to GLWA in good faith to make a statement and encourage the State to act. Now the decision was made to go ahead with the payments without withholding. He wondered what changed. Ms. Miller replied GLWA has agreed to use approximately \$6 million to not increase the cost to the 11 communities this year so they decided there was no need to encourage a withholding.

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 10:29 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 June 13, 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.



Candice S. Miller Chair
Macomb County Public Works Commissioner

DATED: 06/13/22



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: July 11, 2022

Subject: Construction Projects Status Updates for the July 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: June 7, 2022

Rainfall: 1.81 inches

Treated Discharge Volume: 17.9 MG

Water Quality Numbers: 22 cts / 100 ml geometric mean (Permit maximum is 300 cts/ml)

Description: Everything operated as designed and there were 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. Received, reviewed, and approved submittals from Contractor.
2. The contractor has cored through the concrete basin walls and ran the hydraulic and electrical conduits to the Hydraulic Power Unit in the control building basement as required.
3. The Contractor has field welded and anchored steel I-beam supports in place to support the basin roof where the new hydraulic flushing gates will be installed, (2 Locations).
4. Contractor has passed the approved contract substantial completion date of 4/17/22.
 - o MCPWO has issued notice of this to the contractor and has requested a recovery schedule to get back on track.
 - o A recovery schedule has been provided by the contractor with a new substantial completion date of 6/2/22. This new schedule has also not been met by the contractor.
 - o MCPWO has issued notice to the contractor that liquidated damages of \$1,000 per day would be enforced starting on 7/1/22.

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount	10/19/21	\$610,049.34
Change Order	-	-
Revised Contract Amount	-	-
Total Spent to Date	Pay Apps 1 - 2	\$343,051.48
Remaining Budget		\$266,997.86

Figure 1 - Installing Forms for New Concrete Weir in RTB



Figure 2 - Installed Steel Supports Underside of RTB Basin Roof



Figure 3 - Cut Block for New Hydraulic Flushing Gates



At a regular meeting of the Martin Drain Drainage Board, held at 21777 Dunham Road, Clinton Township, Michigan 48036 on July 11, 2022, at 10:00 a.m.:

PRESENT: _____

ABSENT: _____

The following resolution was offered by _____ and supported by _____:

WHEREAS, the Martin Drain Drainage Board (“Drainage Board”) did, on June 13, 2022, tentatively apportion the cost of the Construction of Improvements to the Martin Drain as follows:

CITY OF ST. CLAIR SHORES, Macomb County, Michigan for benefits to the public health	21.91%
CITY OF ROSEVILLE, Macomb County, Michigan for benefits to the public health	78.09%

WHEREAS, after due and legal notice made in the manner proscribed by MCL 280.469, the Drainage Board has met on this day to hear any objections to the apportionments; and

WHEREAS, no objections were made to the tentative apportionments at this hearing duly held upon notice given as required by law. **[Will need to update if objections are encountered]**

NOW, THEREFORE BE IT RESOLVED by the Martin Drain Drainage Board, as follows:

1. The apportionment cost for the Construction of Improvements to the Martin Drain is hereby fixed and confirmed as follows:

CITY OF ST. CLAIR SHORES, Macomb County, Michigan for benefits to the public health	21.91%
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CITY OF ROSEVILLE, Macomb County, Michigan
for benefits to the public health

78.09%

2. The Chairperson of this Drainage Board is hereby authorized and directed to issue on behalf of this Drainage Board its Final Order of Apportionment setting forth the apportionments as confirmed herein.
3. All prior resolutions and parts of prior resolutions insofar as they conflict with the provisions of this resolution are hereby rescinded.

Yeas: _____

Nays: _____

RESOLUTION DECLARED ADOPTED.

I, the undersigned, the duly qualified and acting chair of the Martin Drain Drainage Board, do hereby certify that the foregoing is a true and complete copy of certain proceedings taken by the Martin Drain Drainage Board at a meeting held on July 11, 2022 and further certify that the above Resolution was adopted at said meeting.

Candice S. Miller
Chairperson of the Drainage Board

MACOMB COUNTY PUBLIC WORKS OFFICE



CANDICE S. MILLER

MACOMB COUNTY PUBLIC WORKS COMMISSIONER

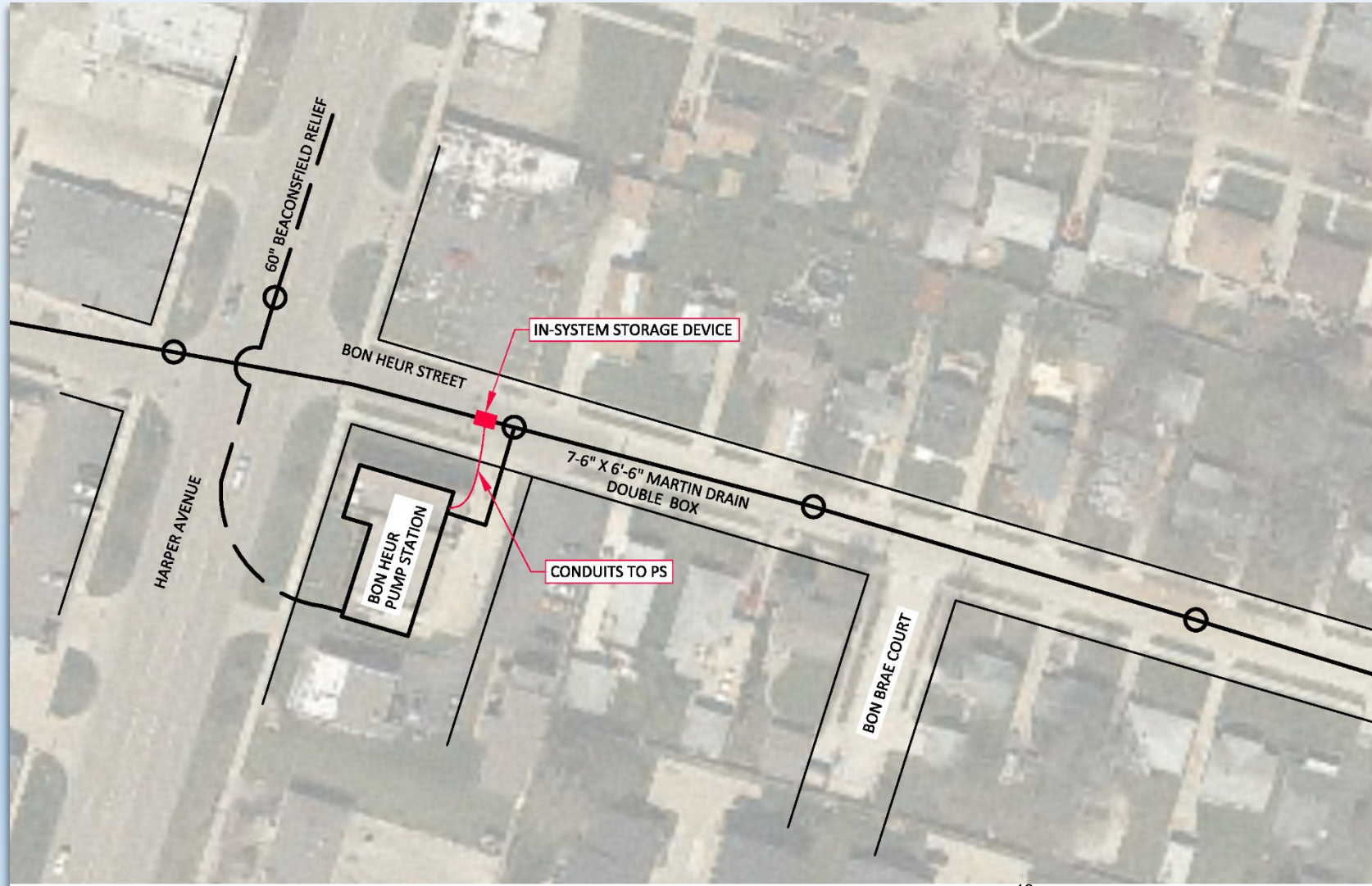
Martin In-System Storage

Presented on: June 13, 2022

Martin In-System Storage

Candice S. Miller

Macomb County Public Works Commissioner

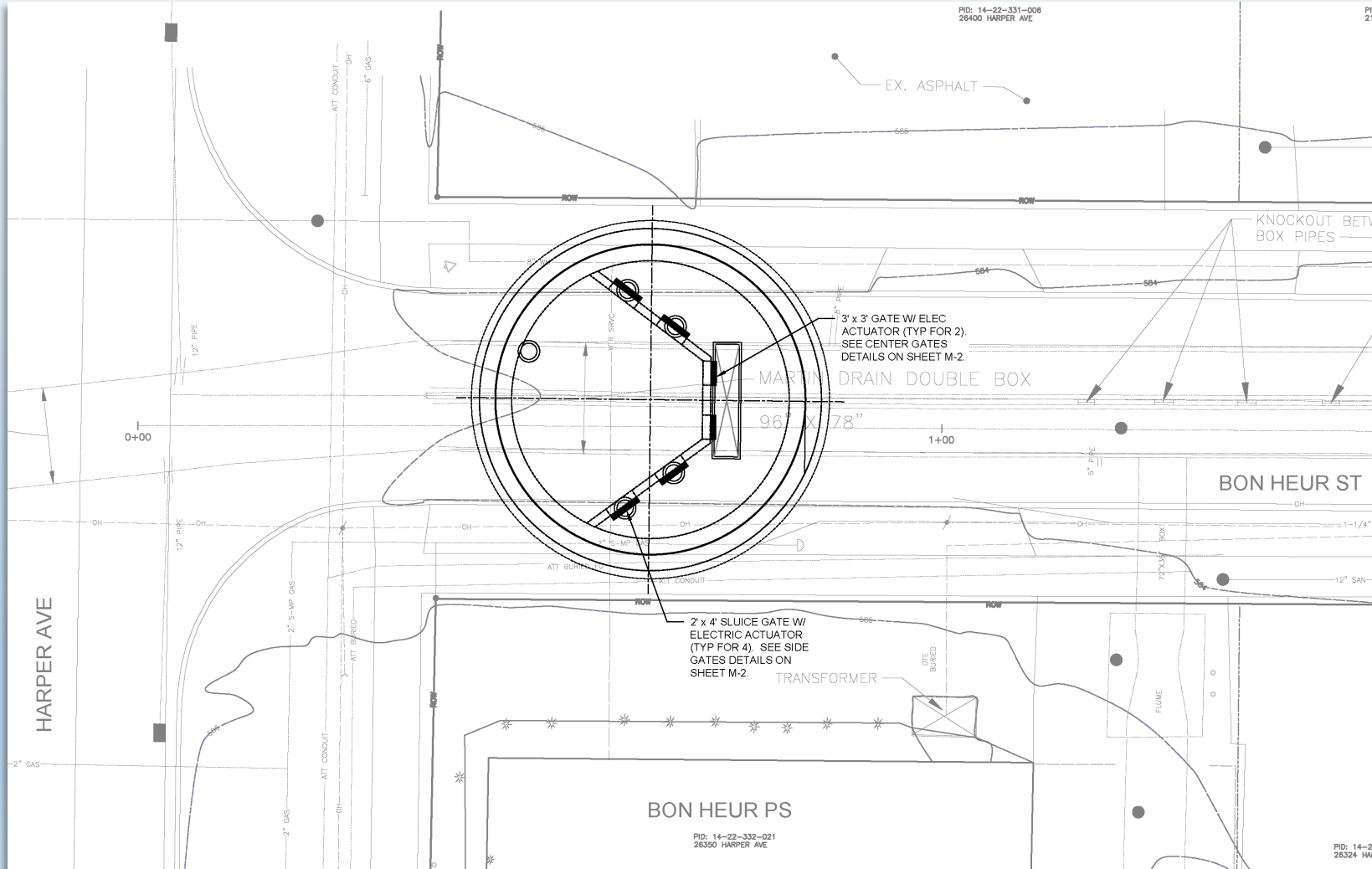


- 4.3 Million Gallons of Storage
- 20% Average Annual CSO Reduction
- \$5M Cost Estimate

Martin In-System Storage – Design

Candice S. Miller

Macomb County Public Works Commissioner

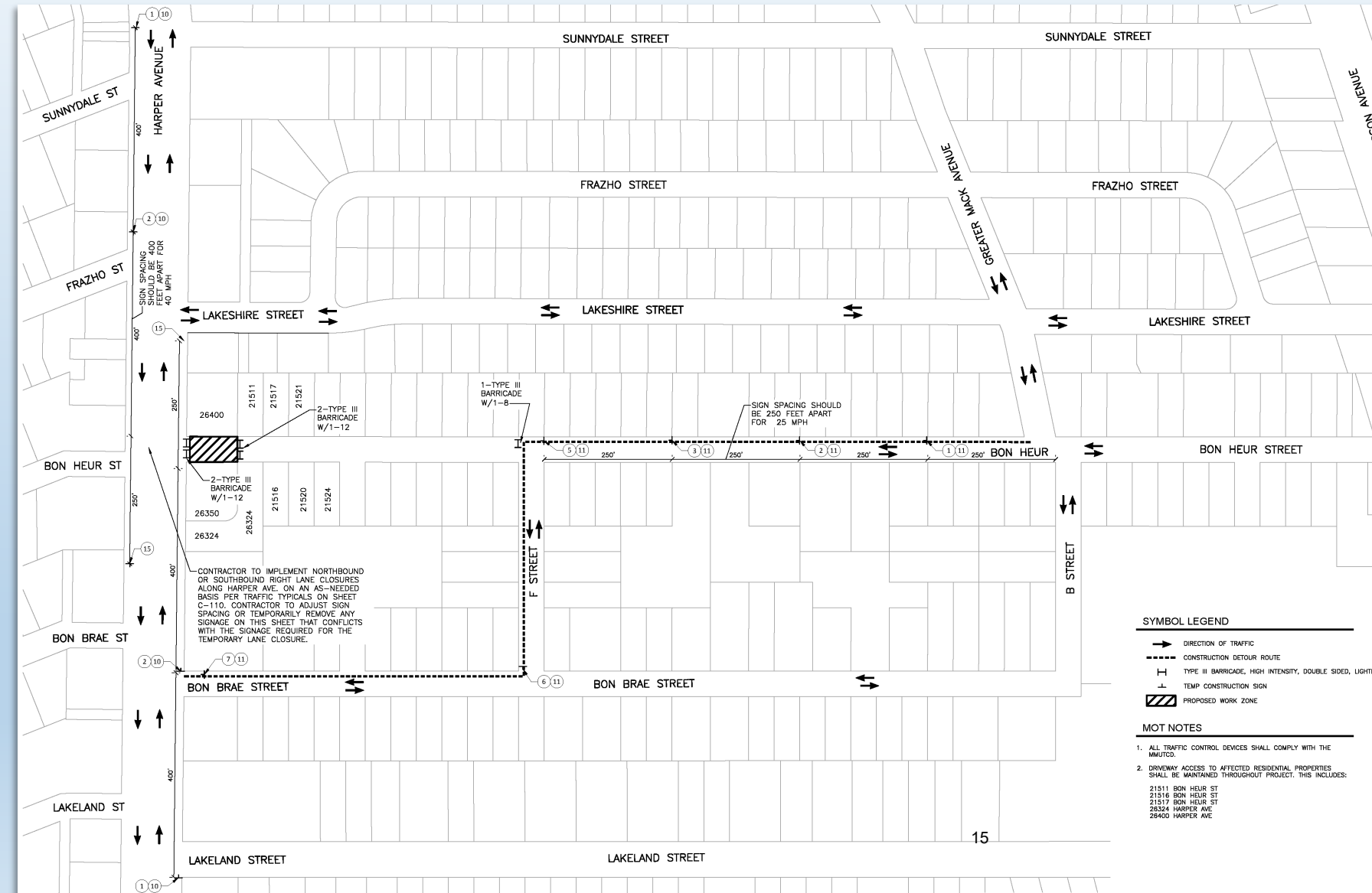


- Design consists of a concrete wall that can safely overflow and then 6 sluice gates to either regulate flow downstream or open completely in large rain events.
- Odor control being added for this structure.
- Roof slab designed with bridge beams due to openings required for the gates.

Martin In-System Storage - Traffic

Candice S. Miller

Macomb County Public Works Commissioner



- Bon Heur St. to be closed at Harper.
- Intermittent Easterly Northbound lane closures on Harper due to tight job site constraints.
- Currently planning on 1 year for construction but only allowing the contractor to close the road for 6 months.

Martin In-System Storage – Next Steps

Candice S. Miller

Macomb County Public Works Commissioner



- EGLE and SCS permits to be submitted in June.
- Design to be completed by the end of July.
- Public hearing on objection to apportionments on July 11.
- Planning to go out to competitive bid on August 15.
- Bids due back on September 27.
- Board recommendation for construction on October 17.
- Board approval of special assessment roll on October 17.

<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	City of St. Clair Shores Treasurer	\$ 724.64	Invoice #22-220 - 06.06.22	Monthly Utilities - 02.15.22 - 05.15.22	
		Astorino	DTE Energy	\$ 618.03	Invoice #22-232 - 06.17.22	Monthly Electric 05.18.22 - 06.16.22	
		Astorino	Fishbeck	\$ 11,059.97	Invoice #412302 - 06.15.22	Martin Flushing	\$ 103,839.38
		Astorino	Fishbeck	\$ 23,185.04	Invoice #412311 - 06.15.22	In-System Storage 05.14.22 - 06.10.22	\$ 69,974.30
		Astorino	HESCO	\$ 7,710.00	Invoice #2213658 - 05.31.22	2 Replacement Level Sensors - Chlorine Tanks	
		Astorino	L.D'Agostini & Sons, Inc.	\$ 127,557.31	Invoice #WWS-2021-005 App #2 - 06.27.22	Flushing Improvements	\$ 266,997.86
		Total		\$ 170,854.99			

YTD Budget

Fund: Martin Sanitary Diversion

As of Fiscal Period: Oct 1, 2021-June 30, 2022(75%)

DESCRIPTION	2022 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Investment Inc-Interest	2,400		642	1,758	26.8%
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%
Total Revenue Accounts	2,797,630	-	1,011,912	1,785,718	36.2%
EXPENSE ACCOUNTS					
Application/Permit Fee	6,000			6,000	0.0%
Dues, Training, Conf, Subs.	4,830		1,025	3,805	21.2%
Engineering					
-As Needed Engineering	25,000		8,170	16,830	32.7%
-Misc Sewer Repairs	20,000		116	19,884	0.6%
-Flushing System Upgrades-Design,Const, and CCA	795,040		330,602	464,438	41.6%
-In System Storage-Design and CCA	1,218,000		135,220	1,082,780	11.1%
-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		4,164	956	81.3%
Operating Supplies	44,880		34,508	10,372	76.9%
Other Professional Svcs	8,750		4,514	4,236	51.6%
Personnel Services	199,390		82,627	116,763	41.4%
Repair & Maintenance	58,800		34,067	24,733	57.9%
Scada System	26,320		11,256	15,064	42.8%
Utilities	42,550		35,286	7,264	82.9%
Total Expense Accounts	2,797,630	-	694,175	2,103,455	24.8%

	O&M Balance 9/30/2021	O&M	Total 6/30/2022
Cash - Operating	1,656,008	317,737	1,973,745
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		1,011,912	1,011,912
Expenditures		694,175	694,175
Equity	1,656,008		1,973,745

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		