

MARTIN SANITARY DIVERSION DRAIN
INTRA-COUNTY DRAINAGE BOARD
AUGUST 14, 2023
10:00 A.M.
AGENDA

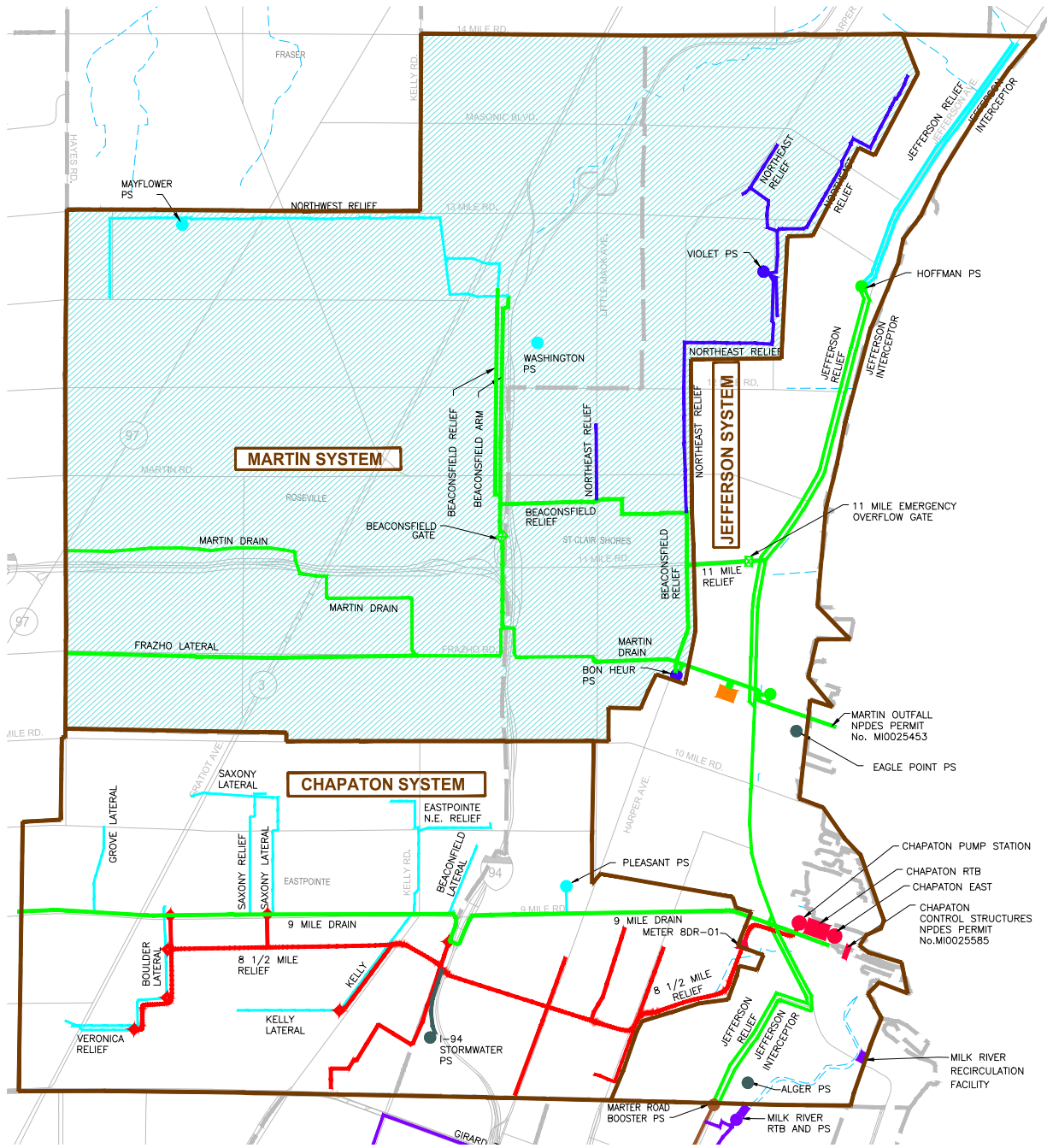
**NOTE: THIS MEETING WILL BE HELD IN PERSON WITH TELECONFERENCE
OPTION FOR PUBLIC**

**Call in Number: 1-224-990-0182
Access Code: 927 405 823**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for August 14, 2023	
3. Approval of Minutes for July 10, 2023	3
4. Public Participation	
5. Project & Operations Update – Vince Astorino	5
6. Martin Sanitary Diversion Drain Proposed 2023/24 Budget – Brian Baker	6
Motion: To approve the 2023/24 Martin Sanitary Diversion Drain budget and revenue requirement for the fiscal year beginning October 1, 2023	
7. Consideration for approval of invoices (see attached)	20
8. Financial Report – Bruce Manning	21
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



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 July 10, 2023, at 10:02 A.M.

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

ALSO PRESENT: Daniel Acciavatti, Deputy of Government Relations; Vince Astorino, Operations & Flow Manager; Brian Baker, Chief Deputy; Stephen Downing, Construction and Maintenance Manager; Norb Franz, Communications Manager; Bruce Manning, Finance Manager; Pam Sonnenberg, Administrative Assistant; Sarah Lucido, Board of Commissioners; Don VanSyckel, Board of Commissioners

PRESENT VIA TELECONFERENCE: Mary Shepherd, Environmental and Safety Services Supervisor City of Sterling Heights

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 June 12, 2023, 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 provided an update that the Martin Sanitary Diversion had no wet weather events in the past month and there is no construction at this time.

The Martin RTB Improvement project design continues, we submitted the Part 41 permit to EGLE. We have not heard back from EGLE yet. We have been reaching out to manufacturers to ensure that we can comply with BABA requirements.

We are still waiting to hear from the Army Corps for the next steps on the Green Infrastructure Grant.

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

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$44,239.88 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 10:07A.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 July 10, 2023, 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: 7/10/2023



Candice S. Miller

Public Works Commissioner
Macomb County

To: Martin Sanitary Diversion Drainage District Board Members

CC: File

From: Vincent Astorino, Operations Director

Date: August 14, 2023

Subject: Construction Projects Status Updates for the August 2023 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 the past month.

Construction

No construction activities at this time.

Design Projects

- Martin RTB Improvements.
 - This project consists of replacing the dewatering gate, basin blower and ductwork, equipment hatch and crane system, removal of the old flushing systems in the building and basin, and various electrical improvements. 90% design drawings will be ready in August.
 - Part 41 permit has been submitted to EGLE and approved.
 - Finalizing the design package. Anticipating to go out to bid in September, pending EPA requirements for funding.
- 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.

Martin Sanitary Diversion Drainage District 2023/24 Budget Summary

Attached is the proposed 2023/24 Martin District budget for the fiscal year beginning October 1, 2023. The budget is scheduled to be adopted at the August 14, 2023 Drain Board meeting. The cities of Roseville and St. Clair Shores have received a copy of the proposed budget. The budget includes a detailed explanation for each budget item change.

In summary, the proposed budget funds improved operations and maintenance of our aging assets and for funds projects to further improve water quality. The community contribution rose \$52,450 or 4.9% which is in line with the projected 5% increase provided to the two communities earlier this year and upon which their own local budgets were established.

The budget includes:

1. \$2.4 million for construction and administration of the Martin Improvement project. This project includes replacing or rehabilitating the dry weather gate, drain vault, HVAC blower, and ductwork in the Martin retention basin, as well as new chlorine sample pumps, replacement of the equipment crane and trolley, basin equipment hatch and two entry doors. This project is funded by previous collections and \$1 million of federal funding.
2. \$309,000 towards a \$2 million project to replace the station's main electrical switchgear and backup generator. This office will also seek State funding toward this project.
3. \$100,000 of match funding for a \$400,000 USACE Green Infrastructure grant to separate stormwater at the basin. This project includes the cost to repave the parking lot in addition to other green infrastructure improvements.
4. \$30,000 for increased As-Needed Engineering costs.

Personnel costs rose by \$22,830 based the County's wage schedule and the district's share of cost for an additional Pump Station Operator position.

The amount budgeted for sodium hypochlorite increased by \$10,000 due to rising chemical costs. The district's share of a replacement 11-year-old Pickup Truck is budgeted at \$6,150.

The prior year budget included one-time funding for the district's share of SCADA upgrades and a replacement server, as well as interior and exterior lighting and an electronic door entry system.

**MARTIN SANITARY COMMUNITIES
TOTAL CHARGES
FY 2023 vs FY 2024**

Total Cost Category	2022/2023 Charge	2023/2024 Charge	Difference	% Change
Martin	1,061,070	1,113,520	52,450	4.9%
TOTAL	1,061,070	1,113,520	52,450	4.9%

Communities	2022/2023 Charge	2023/2024 Charge	Difference	% Change
Roseville (78.09%)	828,590	869,550	40,960	4.9%
St. Clair Shores (21.91%)	232,480	243,970	11,490	4.9%
TOTAL	1,061,070	1,113,520	52,450	4.9%

MARTIN SANITARY
2023/2024 Charge
EFFECTIVE OCTOBER 1, 2023

			Roseville	St. Clair Shores	Total
COMMUNITY ASSESSMENTS	Total Annual	Monthly	78.09%	21.91%	100.00%
MARTIN SANITARY	1,113,520	92,790	72,460	20,330	92,790
		O&M Total	869,550	243,970	1,113,520
		Debt Total	0	0	0
		Annual Total	869,550	243,970	1,113,520

MARTIN SANITARY
Operations and Maintenance
Budget to Actual

Description	Page #	Actual 2021/2022	Actual 4/14/2023	Projected 9/30/2023	Budget 2022/2023	Budget 2023/2024	Budget Change	% Change
EXPENSE								
Application/Permit Fee	4	5,408	6,000	6,000	6,000	6,000	0	0.0%
Dues, Training & Licenses	5	3,219	2,220	3,310	3,310	3,380	70	2.1%
Engineering	6	298,751	56,548	110,050	1,678,320	2,788,210	1,109,890	66.1%
Equipment	7	4,789	0	700	1,000	6,850	5,850	585.0%
Operating Supplies	8	39,162	42,128	71,170	61,950	72,280	10,330	16.7%
Other Professional Svcs	9	4,388	1,359	11,940	9,800	12,200	2,400	24.5%
Personnel Services	10	200,866	115,749	227,910	220,100	242,930	22,830	10.4%
Repair & Maintenance	11	35,561	30,438	115,270	371,800	134,800	(237,000)	-63.7%
Contribution to SCADA Reserve	12	5,810	5,810	5,810	5,810	5,810	0	0.0%
SCADA	12	25,228	14,932	33,570	34,620	11,410	(23,210)	-67.0%
Utilities	13	42,369	34,364	45,840	45,600	46,140	540	1.2%
Total Expenses		665,552	309,548	631,570	2,438,310	3,330,010	891,700	36.6%
REVENUE								
Interest Earned ¹		3,710	4,107	20,000	5,000	28,000	23,000	460.0%
Contribution from Community-O&M		1,011,270	1,061,070	1,061,070	1,061,070	1,113,520	52,450	4.9%
Use of Reserves/Funds Previously Collected		0	0	0	778,000	0	(778,000)	-100.0%
Federal Earmark		0	0	0	0	1,000,000	1,000,000	100.0%
Use of SCADA Reserves		14,543	9,980	12,950	12,950	0	(12,950)	0.0%
Carry Forward		0	0	0	581,290	1,188,490	607,200	104.5%
Total Revenue		1,029,523	1,075,157	1,094,020	2,438,310	3,330,010	891,700	36.6%

Reserves: 1,274,710 1,834,190 651,510

NOTES:

Design Basin Equipment Hatch	39,950	0	0
As Needed Engineering	29,030	27,000	0
Misc Sewer Repairs	20,000	20,000	0
USACE Green Infrastructure Project	30,000	100,000	0
SolarWinds-Network Management Software	1,940	0	0
Obsolete Wireless Backhaul Replacement Links	3,230	0	0
Fiber Optic improvements	3,220	0	0
Firewall Hardware Design/Config	2,580	0	0
Crane Replacement & Overhead Trolley Rehab	75,000	0	0
Entry Doors	6,000	0	0
New Chlorine Sample Pumps	100,000	0	0
Martin Improvement Project ²	0	1,041,490	0
In System Storage	620,000	0	0
SCADA Reserves	5,500	0	5,810
Capital Reserves ³	338,260	645,700	645,700
Total Reserves	<u>1,274,710</u>	<u>1,834,190</u>	<u>651,510</u>

Non Committed Reserve 338,260 645,700 645,700
 (Excludes life cycle and carryover)

¹Significantly higher interest rates.

²Formerly Gates/Vault/RTB Ductwork Project

³Reserves for needed future Martin rehab projects.

**FY 2023-2024
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND:	0072	P/Y BUDGET:	\$ 6,000
ACTIVITY:	Application/Permit Fee	REQUEST:	\$ 6,000
		INC/(DEC.):	0

ACCOUNT EXPLANATION:

	DESCRIPTION	23/24	22/23
96901	1) Annual NPDES Permit	6,000	6,000
	Total	6,000	6,000

INCREASE/DECREASE EXPLANATION:

1) This is 100% Martin. 8.5 Mile billed separately.

**FY 2023-2024
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND:	0072	P/Y BUDGET:	\$ 3,310
ACTIVITY:	Dues, Training & Licenses	REQUEST:	\$ 3,380
		INC/(DEC.):	\$ 70

ACCOUNT EXPLANATION:

	DESCRIPTION	23/24	22/23
95901	1) Certification, Licenses, Training	950	950
82201	2) Dues, Membership & Subscription	140	140
WO20041	3) NexGen Renewal	2,290	2,220
	Total	3,380	3,310

INCREASE/DECREASE EXPLANATION:

1,2) Split with SEMCWWDS and 8.5 Mile.

1) Operators state certified for RTBs and annual confined space training.

3) Annual renewal for the asset management software. Cost is split with County IT and the balance is split 50% MIDDD, the other 50% is split 10% SEMCWWDS,

15% Martin and 25% 8.5 Mile.

**FY 2023-2024
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND: 0072
ACTIVITY: Engineering

P/Y BUDGET: \$ 1,678,320
REQUEST: \$ 2,788,210
INC/(DEC.): \$ 1,109,890

ACCOUNT EXPLANATION:

PROJECT #	DESCRIPTION	23/24	22/23
WO18072	1) As Needed Engineering	30,000	0
WO22035	2) Martin Improvements Project	1,360,720	1,108,000
	3) Martin Electrical Improvements	309,000	0
WO19077	4) Basin Equipment Hatch Replacement	0	30,000
	Total New Projects	1,699,720	1,138,000
WO22035	5) Martin Improvements Project	1,041,490	0
WO18072	6) As Needed Engineering	27,000	29,090
WO21023	7) In-System Storage Design	0	481,280
WO22036	8) Misc Sewer Repairs	20,000	20,000
WO19077	9) Basin Equipment Hatch Replacement and Design	0	9,950
	Total Carryover Projects	1,088,490	540,320
	Total All Projects	2,788,210	1,678,320

INCREASE/DECREASE EXPLANATION:

1.6) Engineering support for MCPWO staff. Multiple small projects coming in the future that can be supported with as-needed engineers.

2.5) Project formerly known as Gates/Vault/RTB Ducktwork Project. This project includes dewatering gates, RTB blower and ductwork, trolley crane, equipment hatch, and electrical conduit replacements. Demolition of the old flushing systems within the main building and RTB. Various other smaller components will be also addressed as part of this project.

Estimated total project cost is \$2.5 million. The 20% match for Federal Earmark is covered by previous assessments.

FUNDING FOR MARTIN IMPROVEMENT PROJECT

SOURCE	STUDY-Fishbeck	DESIGN-Fishbeck ¹	CONST/CCA OTHER	TOTAL
22/23 Budget	18,160	78,700	233,140	330,000
23/24 Budget			360,720	360,720
Basin Equipment Hatch			39,950	39,950
Crane Replacement & Overhead Trolley			75,000	75,000
Chlorine Sample Pumps			75,000	75,000
Entry Doors			6,000	6,000
Federal Earmark			1,000,000	1,000,000
Carryover ISS Project			613,330	613,330
TOTAL	18,160	78,700	2,403,140	2,500,000

¹Design approved at the January 2023 Board Meeting

new money is sum of a=\$1,360,720

Carryover - 2023 Martin Improvement	
22/23 Budget ¹	330,000
In System Storage Carry Over	613,330
Basin Equipment Hatch	39,950
Crane Replacement & Overhead Trolley	75,000
Chlorine Sample Pumps	75,000
Entry Doors	6,000
Total Collected	1,139,280
Study	(19,090)
Design	(23,316)
Projected 5/23-9/30/23	(55,384)
Carryover Balance	1,041,490

see note 7
from lines 4 & 9
from Repairs/Maintenance
from Repairs/Maintenance
from Repairs/Maintenance

¹22/23 Budget reflected expected ISS refund \$778,000. This no longer exists because of cancelled ISS project.

3) Original main switchgear is original to the facility. The backup generator was installed in 1999 and is significantly oversized for the current facility needs. This equipment has reached the end of its useful life and is in need of replacement. This is the first collection of funds. The estimate to replace and downsize this equipment is \$2 million.

7) This project was design only. Project has been cancelled. The \$600,000 SEMSD funds will not be collected. The \$400,000 SEMSD funds paid for design. Carryover balance was moved to the Martin Improvement project. The carryover amount of \$481,280 from the 22/23 was a projected amount. There were less expenses than projected.

Carryover Martin In System Storage	
21/22 Budget	618,000
SEMSD	400,000
Total Collected	1,018,000
Design	(342,330)
Other	(62,340)
Moved to 2023 Improvements	(613,330)
Carryover Balance	0

8) Design of repairs from any issues found during the sewer inspection.

4.9) Basin Equipment Hatch Replacement and Design funds have moved to the Improvement Project.

FY 2023-2024
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET

FUND: 0072
 ACTIVITY: Equipment

P/Y BUDGET: \$ 1,000
 REQUEST: \$ 6,850
 INC/(DEC.): \$ 5,850

ACCOUNT EXPLANATION:

PROJECT #	DESCRIPTION	23/24	22/23
	1) Misc (Lab Equip, Bldg Instrumentation, etc)	700	1,000
	2) F150 Pickup Truck	6,150	0
	Total New Projects	6,850	1,000
	Total Carryover Projects	0	0
	Total All Projects	6,850	1,000

INCREASE/DECREASE EXPLANATION:

1) As needed equipment that may arise.

2) Vehicle fleet continues to get older. This F150 Pickup truck will replace the 2013

Chapaton pool truck currently in use. Split with 8.5 Mile and Martin.

Most recent purchase of a F150 Super cab was \$40,300 so used \$41,000 for budget purposes.

**FY 2023-2024
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND: 0072
ACTIVITY: Operating Supplies

P/Y BUDGET: \$ 61,950
REQUEST: \$ 72,280
INC/(DEC.): \$ 10,330

ACCOUNT EXPLANATION:

	DESCRIPTION	23/24	22/23
72650	1) Sodium Hypochlorite	60,000	50,000
96804	2) Personal Protective Equipment	780	500
75001	3) Clothing for operations staff	300	300
72621	4) Laboratory Supplies required by NPDES permit	9,000	9,000
82403	5) Equipment Rental	500	500
72624	6) Office Supplies	100	100
72901	7) Postage	100	100
96104	8) Fuel	900	650
72699	9) Misc	600	800
Total		72,280	61,950

INCREASE/DECREASE EXPLANATION:

1 & 4) Fluctuates depending on number of rain events.

2) Split with SEMCWWDS and 8.5 Mile. Increase due to rising cost of PPE.

8) Split with SEMCWWDS and 8.5 Mile. Increased fuel usage due to
number of construction project inspections.

9) Budget is lower based on current usage.

**FY 2023-2024
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND:	0072	P/Y BUDGET:	\$ 9,800
ACTIVITY:	Other Professional Services	REQUEST:	\$ 12,200
		INC/(DEC.):	\$ 2,400

ACCOUNT EXPLANATION:

	DESCRIPTION	23/24	22/23
80131	1) Contract Laboratory for Permit Overflows	5,000	5,000
	2) Property Insurance	2,400	2,400
	3) Liability Insurance	3,800	1,900
80139	4) Legal	1,000	500
	Total	12,200	9,800

INCREASE/DECREASE EXPLANATION:

- 1) Fluctuates depending on number of rain events. Used for testing
discharges per the NPDES permit.
- 2) Property insurance is covered under the county policy. The cost is split with SEMCWWDS and 8.5 Mile.
- 3) The cost of liability insurance is allocated between districts depending on their expenses. Budget is up due to Martin's increase share % of expenditures.
- 4) Increase due to project contract reviews.

FY 2023-2024
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET

FUND:	0072	P/Y BUDGET:	\$	220,100
ACTIVITY:	Personnel	REQUEST:	\$	242,930
		INC/(DEC.):	\$	22,830

ACCOUNT EXPLANATION:

DESCRIPTION	23/24	22/23
1) Pump Station Operators (7 FT operators and 2 PT)	108,930	90,870
2) Operations Manager	22,570	21,680
3) Asst Operations Manager	14,330	14,460
4) Pump Station Standby	1,600	1,500
5) Overtime	13,000	13,000
6) SCADA Manager Support	10,680	9,520
7) SCADA System Specialist (FT)	7,990	7,850
8) Engineering Support	41,610	39,980
9) Senior Asset Mgmt Tech	8,440	7,630
10) Accounting	1,870	1,800
11) Administrative	8,210	8,260
12) MIDDD Field Operator Reimbursement	3,700	3,550
Total	242,930	220,100

INCREASE/DECREASE EXPLANATION:

1-5) 75% of Chapaton staff is charged to 8.5 Mile Relief District. Remaining 25% is split between SEMCWWDS (10%) and Martin (15%).

1) New assets are being added to system operations and therefore will require one additional Pump Station operator to manage maintenance. Some of those assets are as follows: Chapaton In-System Storage (all new assets, PM tasks on bladder and all equipment in building) - Spring 2024, Chapaton Canal (more PM tasks with gate structure, canal cleaning, stormwater trash capture, etc.) - 2025 online, Chapaton Electrical (generators and outdoor switchgear maintenance) - 2026 online, Bon Heur (new odor control system) - 2025 online, Chapaton Main Floor Ventilation - 2024.

Some of the assets are a couple years out but it will take time to bring on a new member and get them trained. The current maintenance program has maxed out the time for the existing staff so by adding a new staff member we will be in a better position to handle the new assets coming online.

2,7,8,10,12) Increase relates to 3% raise and slight increase in fringe benefits.

3) Incorrectly used higher salary for 22/23 budget.

6-9) These positions will spend 37.5% of their time on 8.5 Mile Relief, 5% at SEMCWWDS, and 7.5% at Martin. The remaining 50% is with MIDDD.

6) Increase due to new County Wage schedule.

7) Incorrectly overstated fringe benefits and salary in 22/23 budget.

8) Four engineers performing Martin duties.

9) Position support for Nexgen tasks for Wastewater. Cost split between MIDDD, 8.5 Mile, Martin, SEMCWWDS. Increase due to new County Wage schedule.

10) 75% of support staff is charged to 8.5 Mile Relief District. Remaining 25% is split between SEMCWWDS (10%) and Martin (15%).

11) Cross charge for administrative personnel. Incorrectly overstated fringe benefits in 22/23.

12) Field Operators from the MIDDD provide training and other assistance to the Martin Drainage District.

FY 2023-2024
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET

FUND: 0072
ACTIVITY: Repair & Maintenance

P/Y BUDGET: \$ 371,800
REQUEST: \$ 134,800
INC/(DEC.): \$ (237,000)

ACCOUNT EXPLANATION:

PROJECT #	DESCRIPTION	23/24	22/23
93001	1) Annual Repair and Maintenance	34,000	34,000
92900	2) Lawn Mowing	800	800
	Total Annual Items	34,800	34,800
WO22037	3) Crane Replacement & Overhead Trolley Rehab	0	75,000
WO22038	4) Interior & Exterior Lighting	0	12,000
WO22039	5) Entry Doors	0	6,000
WO22040	6) Keyscan Door Entry System	0	44,000
WO22041	7) New Chlorine Sample Pumps	0	100,000
WO22042	8) USACE Green Infrastructure Project	0	70,000
	Total New Items	0	307,000
WO22042	9) USACE Green Infrastructure Project	100,000	30,000
	Total Carryover Items	100,000	30,000
	Total All Projects	134,800	371,800

INCREASE/DECREASE EXPLANATION:

2) Lawn mowing contracted by third party.

3,5,7) Funds moved to Martin Improvements.

4,6) Projected to be completed by 9/30/2023.

7) \$25,000 in expenses occurred in 2023. Balance of \$75,000 being moved to Martin Improvements.

8,9) The MSDDD has received a grant from the USACE. The total project is \$400,000. The grant is a 75/25 split. MSDDD is required to cover 25% or \$100,000. This project will focus on separating stormwater out of the Martin combined sewer system. The project will include the repaving of the parking lot in addition to other green infrastructure.

**FY 2023-2024
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND: 0072
ACTIVITY: SCADA

P/Y BUDGET: \$ 34,620
REQUEST: \$ 11,410
INC/(DEC.): \$ (23,210)

ACCOUNT EXPLANATION:

PROJECT #	DESCRIPTION	23/24	22/23
WO18077	1) SCADA as needed	6,450	6,450
WO19011	2) Wonderware Software Support	1,420	1,290
WO19012	3) VEEAM Support	260	180
CC0014-92111	4) Comcast Business Service	1,960	1,780
CC0014-92104	5) Cell Modem Service (Verizon)	420	420
WO19015	6) Vmware Software Support	900	580
WO22004	7) SCADA Server Replacement	0	12,950
Total Annual Projects		11,410	23,650
WO22018	8) SolarWinds-Network Management Software	0	1,940
WO22016	9) Obsolete Wireless Backhaul Replacement Links	0	3,230
WO22017	10) Fiber Optic improvements	0	3,220
WO22014	11) Firewall Hardware Design/Config	0	2,580
Total Carryover Projects		0	10,970
Grand Total SCADA		11,410	34,620
Reserve	Future costs of Server Upgrade - Life Cycle per year	5,810	5,810

INCREASE/DECREASE EXPLANATION:

1) To cover activity for SCADA programming, network and server maintenance.

2,3,4,6) Expected price increase in 2024.

7,8,9,10,11) Projected to be completed by 9-30-2023.

7) Server Replacement

20/21 Carryover	14,240
21/22 Budget	5,810
22/23 Budget	5,810
Total	25,860
Expenses as of 9/30/2022	(14,540)
Projected Expenses 9/30/2023	(11,320)
Projected Balance 9/30/2023	0

**FY 2023-2024
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND: 0072
ACTIVITY: Utilities

P/Y BUDGET: \$ 45,600
REQUEST: \$ 46,140
INC/(DEC.): \$ 540

ACCOUNT EXPLANATION:

	DESCRIPTION	23/24	22/23
92101	1) Electric Service	14,000	13,000
92102	2) Consumers Energy	3,200	3,000
92103	3) Water	1,100	300
92113	4) Weather Radar	500	500
92104	5) Telephone (Cell)	840	800
	6) Internal Service Cost	26,500	28,000
	Total	46,140	45,600

INCREASE/DECREASE EXPLANATION:

1,2,3) Weather dependent so number will fluctuate.

3) St. Clair Shores' stormwater charge is now included on water bill.

4,5) Split with MIDDD, 8.5 Mile and SEMCWWDS.

6) Current charges based on amount invoiced from County. Examples include use of IT Department, phones, Treasurer's Office. Split with SEMCWWDS and 8.5 Mile.

MARTIN SANITARY DIVERSION
07/05/2023 - 08/08/2023

<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	\$628.76	Invoice #23-429 - 07.20.23	Monthly Electric 06.17.23 - 07.19.23	\$18,829.85
		Astorino	Fishbeck	\$18,373.90	Invoice #425313 - 07.12.23	RTB Improvements Design Phase through 07.12.23	
		Astorino	JCI Jones Chemicals Inc.	\$9,116.02	Invoice #918875 - 07.24.23	Hypochlorite Solution	
		Astorino	Q-Mation	\$1,329.30	Invoice #105587 - 07.13.23	Wonderware Renewal - 10.01.23 - 09.30.24	
		Astorino	Swan Analytical Intruments	\$1,440.00	Invoice #CD10008242 - 06.30.23	TRC Testing Agents	
Total			\$	30,887.98			

YTD Budget

Fund: Martin Sanitary Diversion

As of Fiscal Period: Oct 1, 2022-July 31, 2023 (83%)

DESCRIPTION	2023 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Investment Inc-Interest	5,000		5,662	(662)	113.2%
Reimb-Local Communities	1,061,070		1,061,070	-	100.0%
Use of Reserves/Funds Previously Collected	778,000				
Use of SCADA Reserves	12,950				
PY Revenue-Fund Balance	581,290			581,290	0.0%
Total Revenue Accounts	2,438,310	-	1,066,732	580,628	43.7%
EXPENSE ACCOUNTS					
Application/Permit Fee	6,000		6,000	-	100.0%
Dues, Training, Conf, Subs.	3,310		33	3,277	1.0%
Engineering					
-Basin Equipment Hatch Replacement	30,000			30,000	0.0%
-Gates/Vault/RTB Ductwork Project	1,108,000		89,184	1,018,816	8.0%
-As Needed Engineering	29,090		4,177	24,913	14.4%
-In-System Storage Design & CCA	481,280			481,280	0.0%
-Misc Sewer Repairs	20,000				
-Inspection (Was projected to be completed in 2022)	-		10,123	-	100.0%
-Basin Equipment Hatch Replacement Design	9,950				
New Equipment	1,000			1,000	0.0%
Operating Supplies	61,950		50,816	11,134	82.0%
Other Professional Svcs	9,800		5,314	4,486	54.2%
Personnel Services	220,100		106,859	113,241	48.6%
Repair & Maintenance	371,800		36,962	334,838	9.9%
Contribution to SCADA Reserve	5,810			5,810	0.0%
Scada System	34,620		13,047	21,573	37.7%
Utilities	45,600		10,788	34,812	23.7%
Total Expense Accounts	2,438,310	-	333,303	2,085,180	13.7%

	O&M Balance 9/30/2022	O&M	Total 7/31/2023
Cash - Operating	1,294,502	733,429	2,027,931
A/R ISS SEMSD	600,000		600,000
Assets			0
Liabilities			0
Revenues		1,066,732	1,066,732
Expenditures		333,303	333,303
Equity	1,894,502		2,627,931

Detail of 2022 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	600,000	Fiber Optic improvements	3,220
In System Storage-Design and CCA	730,290	Firewall Hard Design/Config	2,580
Flushing System Upgrades-Design, Const, CCA	51,151	Parking Lot Resurface	30,000
CCTV of Dewatering Line and Influent and Effluent Boxes	25,000	Capital Reserves	386,400
SCADA Reserves	19,900	As Needed Engineering	10,841