

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

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

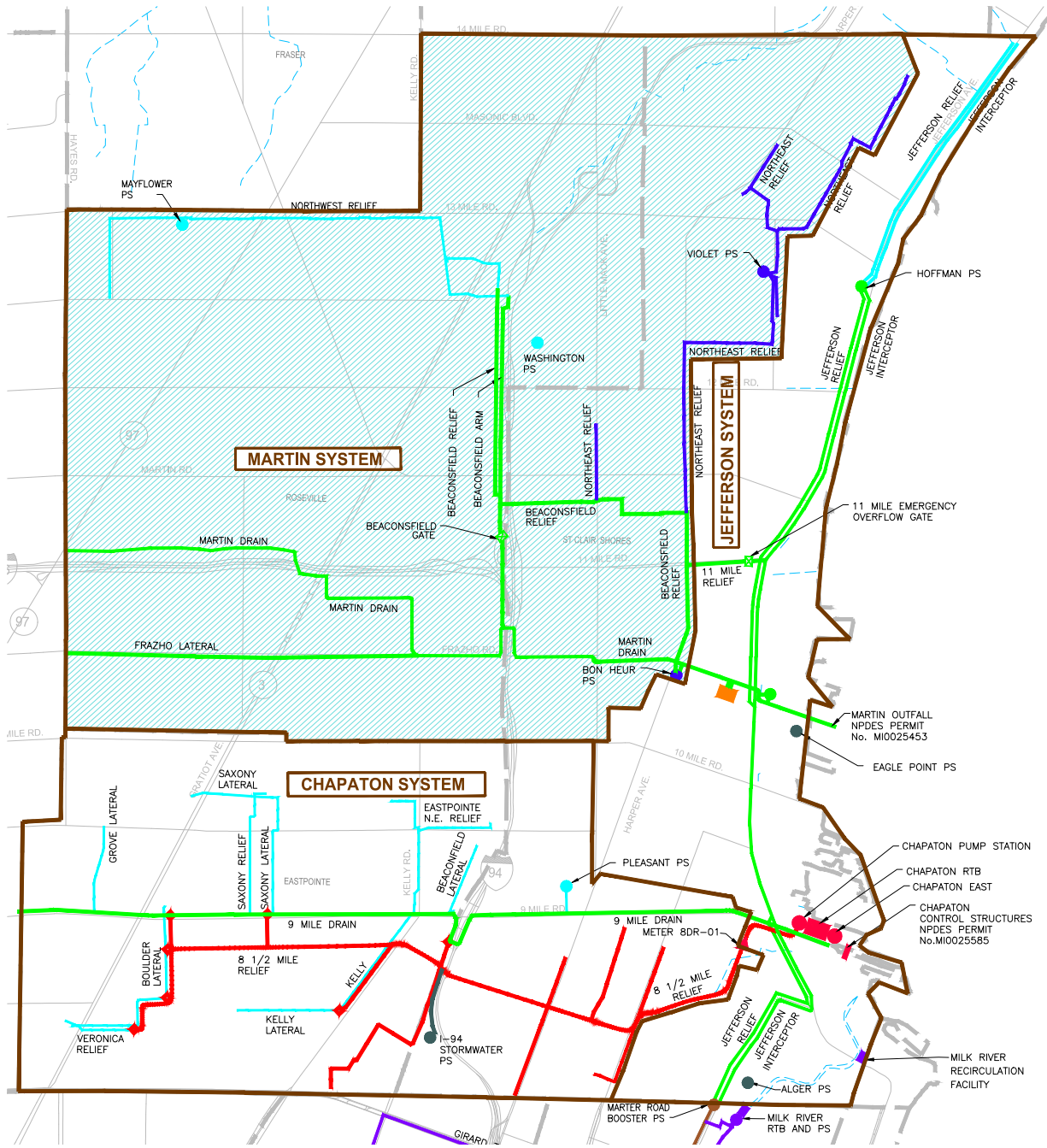
**Teams Meeting ID: 262 828 758 218
Passcode: GuHCi4**

**Call in Number: 1-917-933-5524
Passcode: 576 793 15#**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for June 10, 2024	
3. Approval of Minutes for May 13, 2024	3
4. Public Participation	
5. Project & Operations Update – Vince Astorino	5
6. Martin RTB Improvements Project Award Recommendation – Vince Astorino	7
Motion: To approve the bid from Reliance Building Company for \$3,369,388.65 for the Martin RTB Improvements Project.	
7. Consideration for approval of invoices (see attached)	12
8. Financial Report – Bruce Manning	13
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 May 13, 2024, at 10:00 A.M.

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

PRESENT VIA TELECONFERENCE: Sterling Heights DPW, Sarah Lucido, Board of Commissioners

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; Don Van Syckel, Board of Commissioners

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 April 8, 2024 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 one wet weather event for the past month on April 12th. There was 1.57 inches of rain, which equated 13.4 million gallons of treated discharge being released. There were no issues during the event. This type of spill will be avoided in the future once the Jefferson Relief project is completed.

There is no construction activity at this time. The Martin Improvement project is out to bid, with bids due back on May 29th. We had 3 good contractors at the pre-bid meeting. Weiss, Reliance, and Midwest Power Systems.

There is no update on the Green Infrastructure grant. We are just going back and forth with them on the scope of work.

Ms. Miller spoke about the Jefferson Pipe. The pipe will run from the Martin retention basin to the Chapaton basin down the west side of Jefferson. The reason for this pipe is to reduce the combined sewer overflows from the Martin retention basin. MCPWO is contributing \$20 million of ARPA funds toward the pipe. Ms. Miller and Mr. Walby were able to work with Senator Hertel who was able to get \$5 million of State funding, and John James was able to secure an earmark for another \$2 million. That is a total of \$27 million towards the Jefferson pipe. AEW quoted the price at \$61.3 million for the total package which included streetscaping. Ms. Miller attended the SEMSD meeting with Mr. Astorino and Mr. Baker who offered some alternatives that would reduce the cost. At one point, the project was

going to be open cut, but now they are looking at boring, as it is much less disruptive. After many meetings and going back and forth with different options, the total estimated cost is \$37 million, with no streetscape included in the price. SEMSD will contribute \$5 million. Ms. Miller said that we would take \$5 million from the 8.5 Mile District to put in escrow for St. Clair Shores to restore the road. The city of St. Clair Shores will put in additional funds for the complete road construction and possible streetscape. The project has to be awarded by the end of this year with construction completed by end of 2026.

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

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$3,762.42 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. Haugh and supported by Mr. Santo.

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 taken by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on May 13, 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: 5/13/2024



To: Martin Sanitary Diversion Drainage District Board Members

CC: File

From: Vincent Astorino, Operations Director

Date: June 10, 2024

Subject: Construction Projects Status Updates for the June 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

Wet Weather Event 1: May 27, 2024

Rainfall: 2.48 inches

Treated Discharge Volume: 28.8 MG

Water Quality Numbers: 5 cts / 100 ml geometric mean (Permit maximum is 300 cts/ml.)

Description: No issues during this event

Wet Weather Event 2: May 29, 2024

Rainfall: 0.9 inches

Treated Discharge Volume: 3.1 MG

Water Quality Numbers: 4 cts / 100 ml geometric mean (Permit maximum is 300 cts/ml.)

Description: No issues during this event

Construction - No construction activities at this time.

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.



To: Martin Sanitary Diversion Drainage District Board Members

CC: File

From: Vincent Astorino, Operations Director

Date: June 10, 2024

Subject: Martin RTB Improvements Project – Contractor Recommendation

Macomb County Public Works Office (MCPWO), on behalf of the Martin Sanitary Diversion Drainage District (MSDDD), has budgeted to start an improvements project at the Martin Retention Treatment Basin (RTB). There have been multiple projects identified within the MSDDD capital improvement plan (CIP) that will be worked into this project. Some of the CIP projects that have been identified are as follows:

- 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.

MCPWO worked with Fishbeck to put together a design package for this improvements project. Once the design was completed and federal funding was in process then MCPWO solicited bids for the project on MITN on April 26, 2024. Bids for the project were received on May 29, 2024, and three (3) bids were received for the project.

- Midwest Power Systems = \$4,683,588.65
- Reliance Building = \$3,369,388.65
- Weiss Construction = \$4,907,388.65

All three companies meet or exceed the qualifications to perform the proposed scope of work. Reliance Building is the inherent low bidder for the project and their bid along with the others were reviewed for accuracy. No errors were found. Reliance Building has very good references and has performed a successful project for MCPWO with the construction of the original Biofilter located at 15 Mile and Garfield.

During design, cost estimates were put together by Fishbeck, and it was estimated that \$2,581,282 would be required to complete this project. Due to the various components of the project, there was an uncertainty going into bidding regarding the level of contractors to go after this work and obviously the accuracy of that estimate as so many different disciplines would be required. Unfortunately, since all three bids were over the proposed amount the \$2.5 million which has been budgeted for the project is short. MCPWO has evaluated this shortage and believes that \$920,000 in Federal Funds could be shifted into this project along with \$309,000 that has been collected within the budget to cover a future electrical improvement project at Martin. Since this current improvement is the higher priority, it takes precedent over anything else for the facility. The proposed electrical project can be pushed several years back and MCPWO will continue to pursue additional forms of funding for the project. By moving these funds, we will be able to fully cover the Martin RTB Improvement project costs, as well as contract construction administration (CCA) costs to be approved at the next meeting.

MCPWO staff is recommending to award the contract to Reliance Building in the total amount of \$3,369,388.65 to perform the work associated with the Martin RTB Improvements Project.

Attachment: Fishbeck Bid Review

June 4, 2024
Project No. 230141

Vincent Astorino
Operations Director
Macomb County Public Works Office
21777 Dunham Road
Clinton Township, MI 48036

2024 Martin Retention Treatment Basin Improvements – Bid Evaluation

Three bids were received for the Martin Sanitary Diversion Drainage District 2024 Martin RTB Improvements project at the public bid opening on May 29, 2024. The bids were received by the bid due time of 2:00 p.m. We understand from MCPWO that all bids were opened, found to be responsive, and read aloud.

MCPWO's tabulation of the bids is attached for reference. Fishbeck reviewed this and the bid packages received. The apparent low bid was received from Reliance Building Company (RBC), a construction management company located in Novi, Michigan. RBC attended the mandatory pre-bid conference held on May 6, 2024, asked detailed questions during the bidding process, and demonstrated a good understanding of the project requirements as presented in the bid documents during the bidding process.

Fishbeck contacted RBC following the bid opening and spoke with Dan Chenoweth (Vice President), to discuss the project. RBC appears to have considered various aspects of completing the project successfully. RBC was confident in their proposed bid price. They provided a list of proposed subcontractors upon request following the bid opening.

RBC provided a bid price of \$3,369,388.65, which exceeds the available funding and budget allocated for this project through the USEPA Community Grant and matching fund. The Engineer's Opinion of Probable Cost, provided to the USEPA in the Community Grant Workplan in November 2023 as the budget narrative, was \$2,581,282. There is one alternate deduct available that would reduce the project scope and resulting bid price by \$500,000 to \$2,869,388.65, if necessary.

RBC included the required USEPA documents with their bid proposal, including the certification regarding debarment, and the Good Faith Efforts worksheets for Disadvantaged Business Enterprises (DBEs). The worksheets submitted indicate at least three DBEs were solicited, as required, for the applicable subcontract areas of work; two DBE quotes were received and one accepted.

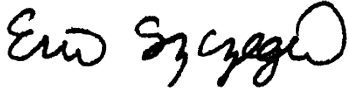
The Bid Bond provided, dated May 29, 2024, meets or exceeds 5% of the bid amount. The Bid Bond was issued by Philadelphia Indemnity Insurance Company. We have confirmed the financial strength rating of A++ (superior) for Philadelphia Indemnity Insurance Company according to AM Best Rating Services. We verified Philadelphia Indemnity Insurance Company is authorized to do business in Michigan according to the Department of Insurance and Financial Services.

Fishbeck has experience working with RBC and many of their identified subcontractors on previous projects. RBC has a reputation for managing projects well and being reasonable in their approach to construction claims.

Based on our review of the available information, Fishbeck finds RBC to be the lowest responsive responsible bidder capable of performing the project work.

We look forward to the construction phase, as MCPWO and MSDDD move forward with this important project. If you have any questions or require additional information, please contact me at 248.324.1582 or erins@fishbeck.com.

Sincerely,



Erin H. Szczegielniak, PE

Senior Water and Wastewater Engineer

Attachments

By email

Copy: Steven Wagner – MCPWO
Maria Sedki – Fishbeck

	Item No.	Description	Reliance	Weiss	Midwest
Part A	1	Bonds, Insurance, and Mobilization (5% Max)	\$167,000.00	\$151,000.00	\$150,000.00
	2	Soil Erosion and Sedimentation Control	\$2,500.00	\$16,200.00	\$20,000.00
	3	Traffic Control	\$12,000.00	\$4,000.00	\$6,000.00
	4	Preconstruction Audio-Visual Documentation	\$4,000.00	\$8,000.00	\$5,000.00
	5	Flushing Chambers Demolition and Abandonment	\$560,000.00	\$110,000.00	\$500,000.00
	6	Interior Basin Flushing Piping Demolition and Abandonment	\$500,000.00	\$1,855,000.00	\$1,500,000.00
	7	Building Flushing Pumps and Piping Demolition and Abandonment	\$280,000.00	\$120,000.00	\$350,000.00
	8	Basin Duct Demolition	\$31,000.00	\$44,000.00	\$50,000.00
	9	Basin Ventilation Supply Fan Demolition	\$23,000.00	\$8,000.00	\$10,000.00
	10	Dewatering Gate, Hatch, and Associated Equipment Demolition	\$29,000.00	\$28,000.00	\$40,000.00
	11	Maintenance Access Hatch Demolition	\$24,000.00	\$10,000.00	\$10,000.00
	12	Basin Hatches Demolition	\$28,000.00	\$29,500.00	\$60,000.00
	13	Control Panels Demolition	\$21,000.00	\$68,000.00	\$50,000.00
	14	Door and Frame Demolition	\$8,800.00	\$20,000.00	\$5,000.00
	15	Dry Weather Chamber Demolition	\$39,000.00	\$20,000.00	\$35,000.00
	16	Concrete Demolition	\$29,000.00	\$120,000.00	\$100,000.00
	17	Concrete Installation	\$59,000.00	\$285,000.00	\$120,000.00
	18	Metals – Monorail and Support Repairs	\$2,500.00	\$2,100.00	\$20,000.00
	19	Finishes	\$29,000.00	\$47,000.00	\$40,000.00
	20	Excavation and Backfill for Electrical Work	\$52,000.00	\$32,000.00	\$75,000.00
	21	Electrical Duct Banks	\$71,000.00	\$490,000.00	\$100,000.00
	22	Misc. Process Piping	\$13,000.00	\$293,000.00	\$160,000.00
	23	Buried Pipe Abandonment with Flowable Fill	\$160,000.00	\$124,000.00	\$55,000.00
	24	Site Work/Seeding/Restoration	\$140,000.00	\$15,000.00	\$40,000.00
	25	Utility Horizontal Directional Drilling	\$26,000.00	\$40,000.00	\$45,000.00
	26	All other necessary materials/labor/equipment for a complete construction of the Martin RTB Improvements detailed within these contract documents not included in Bid Items 27 through 32 or cash allowance items 33 through 36	\$130,000.00	\$20,000.00	\$280,000.00
		Part A Sub-Total	\$2,440,800.00	\$3,959,800.00	\$3,826,000.00
Part B	27	Access Hatches	\$40,000.00	\$25,000.00	\$60,000.00
	28	Sliding Roof (Maintenance Access) Hatch – Labor to Install	\$16,000.00	\$20,000.00	\$20,000.00
	29	Hollow Metal Doors, Frames, and Hardware	\$60,000.00	\$87,000.00	\$40,000.00
	30	Basin Ventilation Ducts	\$180,000.00	\$190,000.00	\$120,000.00
	31	Basin Ventilation Supply Fan	\$77,000.00	\$60,000.00	\$42,000.00
	32	Stainless Steel (Dewatering) Slide Gate	\$120,000.00	\$130,000.00	\$140,000.00
		Part B Sub-Total	\$493,000.00	\$512,000.00	\$422,000.00
ALL	A1	Lump Sum for Cash Allowance 1 – Permits	\$10,000.00	\$10,000.00	\$10,000.00
	A2	Lump Sum for Cash Allowance 2 – PS Industries-Maintenance Hatch (Exhibit I)	\$72,775.00	\$72,775.00	\$72,775.00
	A3	Lump Sum for Cash Allowance 3 – Versa Handling-Trolley Hoist (Exhibit II)	\$87,726.00	\$87,726.00	\$87,726.00
	A4	Lump Sum for Cash Allowance 4 – Colville Electric (Exhibit III)	\$265,087.65	\$265,087.65	\$265,087.65
		Lump Sum Cash Allowance Sub-Total	\$435,588.65	\$435,588.65	\$435,588.65

Lump Sum Bid Price (figures) (Part A + Part B + Allowances) \$3,369,388.65 \$4,907,388.65 \$4,683,588.65

Alternate 1 – Elimination of Item 6 above [Deduct] -\$500,000.00 -\$1,400,000.00 -\$1,500,000.00

Total Including Alternate 1 \$2,869,388.65 \$3,507,388.65 \$3,183,588.65

MARTIN SANITARY DIVERSION
05/14/2024 - 06/04/2024

<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	\$ 659.98	Invoice #24-335 - 05.13.24	Monthly Electric - 04.18.24 - 05.16.24	
			Total	\$ 659.98			

YTD Budget

Fund: Martin Sanitary Diversion

As of Fiscal Period: Oct 1, 2023-May 31, 2024 (67%)

DESCRIPTION	2024 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Investment Inc-Interest	28,000		23,731	4,269	84.8%
Reimb-Local Communities	1,113,520		1,113,520	-	100.0%
Federal Earmark	1,000,000			1,000,000	0.0%
PY Revenue-Fund Balance	1,188,490			1,188,490	0.0%
<i>Total Revenue Accounts</i>	3,330,010	-	1,137,251	2,192,759	34.2%
EXPENSE ACCOUNTS					
Application/Permit Fee	6,000		6,000	-	100.0%
Dues, Training, Conf, Subs.	3,380		772	2,608	22.8%
<u>Engineering</u>					
-Martin Improvement Project	2,402,210		23,876	2,378,334	1.0%
-Martin Electrical Improvements	309,000			309,000	0.0%
-As Needed Engineering	57,000		118	56,882	0.2%
-USACE Green Infrastructure Project(Reserves)	-		100,000	(100,000)	100.0%
-Misc Sewer Repairs	20,000			20,000	0.0%
Equipment	6,850			6,850	0.0%
Operating Supplies	72,280		27,587	44,693	38.2%
Other Professional Srvcs	12,200		4,954	7,246	40.6%
Personnel Services	242,930			242,930	0.0%
Repair & Maintenance	134,800		28,401	106,399	21.1%
Contribution to SCADA Reserve	5,810			5,810	0.0%
Scada System	11,410		2,246	9,164	19.7%
Utilities	46,140		9,579	36,561	20.8%
<i>Total Expense Accounts</i>	3,330,010	-	203,533	3,126,477	6.1%

	O&M Balance 9/30/2023	O&M	Total 5/31/2024
Cash - Operating	1,915,814	933,718	2,849,532
Assets			0
Liabilities			0
Revenues		1,137,251	1,137,251
Expenditures		203,533	203,533
Equity	1,915,814		2,849,532

Detail of 2023 Equity

Misc Sewer Repairs	20,000
USACE Green Infrastructure Project	100,000
SCADA Reserves	-
As Needed Engineering	27,000
Martin Improvement Project	1,042,529
Capital Reserve	726,285