

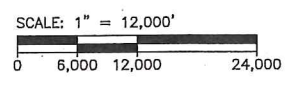
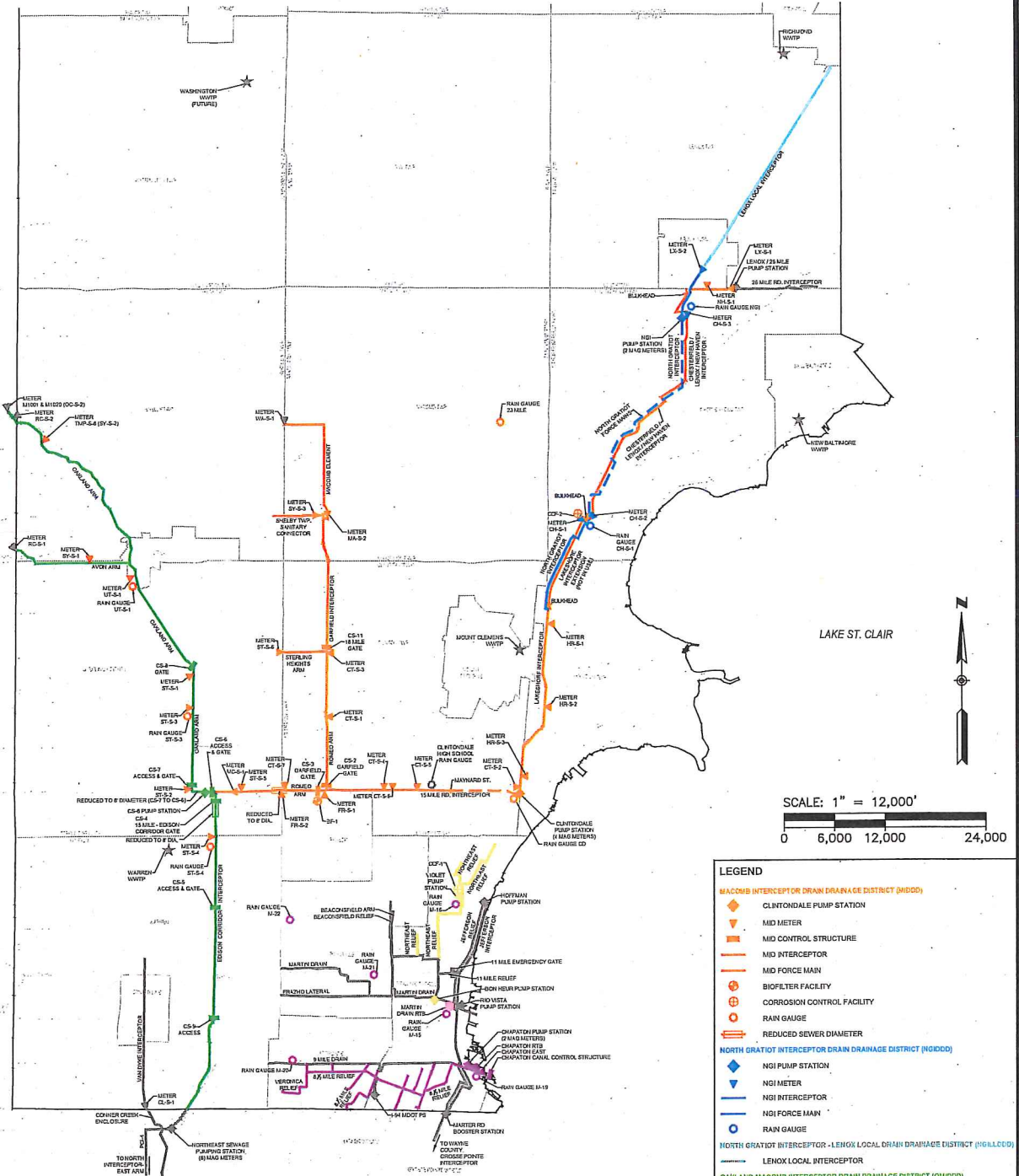
MARTIN SANITARY DIVERSION DRAIN
INTRA-COUNTY DRAINAGE BOARD
AUGUST 10, 2020
10:15 A.M.
AGENDA

NOTE: THIS MEETING WILL BE HELD BY TELECONFERENCE

Call in Number: 1-408-418-9388
Access Code: 129 206 6430

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for August 10, 2020	
3. Approval of Minutes for July 13, 2020	3
4. Public Participation	
5. Project Update – Vince Astorino	
6. Martin Sanitary Diversion Drain Proposed 2020/21 Budget – Brian Baker	5
Motion: To approve the 2020/21 Martin Sanitary Diversion Drain budget and revenue requirement for the fiscal year beginning October 1, 2020	
7. Consideration for approval of invoices (see attached)	20
8. Financial Report – Bruce Manning	21
9. Adjourn	

MACOMB COUNTY WASTEWATER SYSTEMS



- 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 GRATIOT INTERCEPTOR DRAIN DRAINAGE DISTRICT (NGIDD)**
 - ◆ NGI PUMP STATION
 - ▽ NGI METER
 - ▭ NGI INTERCEPTOR
 - NGI FORCE MAIN
 - RAIN GAUGE
 - NORTH GRATIOT INTERCEPTOR - LENOX LOCAL DRAIN DRAINAGE DISTRICT (NGILLCOO)**
 - LENOX LOCAL INTERCEPTOR
 - OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (OMIDD)**
 - ◆ CS-6 PUMP STATION
 - ▽ OMD METER
 - ▭ OMD CONTROL STRUCTURE
 - OMD INTERCEPTOR
 - ▭ REDUCED SEWER DIAMETER
 - 8 1/2 MILE RELIEF DRAIN DRAINAGE DISTRICT**
 - ◆ CHAPATON WEST PUMP STATION
 - ▭ CHAPATON RETENTION TREATMENT BASIN
 - ▭ CHAPATON CANAL CONTROL GATE
 - 8 1/2 MILE INTERCEPTOR
 - RAIN GAUGE
 - 11 MILE RELIEF DRAIN DRAINAGE DISTRICT**
 - ◆ SEMCWDS PUMP STATION
 - ▭ CORROSION CONTROL FACILITY
 - SEMCWDS INTERCEPTOR
 - MARTIN SANITARY OVERSEER DRAIN DRAINAGE DISTRICT (MSOOD)**
 - ▭ 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 of Michigan Executive Order due to the COVID-19 pandemic, on July 13, 2020, at 10:16 A.M.

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

ALSO PRESENT: Marvin Sauger, Robert Mijac, Joseph Romano, Macomb County Board of Commissioners; Brian Baker, Chief Deputy, Stephen Downing, Construction & Maintenance Manager, Bruce Manning, Financial Manager, Tom Stockel, Construction Engineer, Jeff Bednar P.E., Environmental Resources Manager, Vince Astorino, Operations & Flow Manager, Kellie Kource, Drain Account Specialist, Macomb County Public Works; Jerry Santoro, Macomb County Planning

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 June 8, 2020 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 updated the board that there was a discharge of 26.2 million gallons and within permit restrictions. The hydraulic accumulator for the dewatering gate is being built and will be installed soon to make the gate more reliable.

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

Adopted: YEAS: 3
NAYS: 0

A motion was made by Mr. Santo, supported by Mr. Haugh to approve the quotation from Watson Marlow, Inc. for the fabrication and delivery of the hose pumps for the Chapaton & Martin Retention Treatment Basin Disinfection Improvement Project for a Lump Sum cost of \$111,182.00 (Martin share \$31,766).

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$58,587.59 to the board for review and approval.

A motion was made by Mr. Santo, supported by Mr. Haugh 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. Santo, supported by Mr. Haugh that the meeting of the Martin Sanitary Diversion Drain Board be adjourned.

Adopted: YEAS: 3
NAYS: 0

The meeting was adjourned at 10:21 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 July 13, 2020 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: 7/13/20

Martin Sanitary Diversion Drainage District 2020/21 Budget Summary

Attached is the proposed 2020/21 Martin budget for the fiscal year beginning October 1, 2020. The budget is scheduled to be adopted at the August 10, 2020 Drain Board meeting. The cities of Roseville and St. Clair Shores have both 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 projects that will further improve water quality. The community contribution increase of 9.8% is less than the projected 10% increase provided to the two communities earlier this year and upon which their own budgets were established.

As discussed last year, assessments are increasing due to new NPDES permit requirements and needed maintenance and repairs identified with the completion of the 2018 SAW grant. The SAW grant identified capital improvement needs over the next 20 years.

As a result, the budget includes:

1. \$490,000 towards the design of a future \$1.5 million flushing system upgrade and first flush capture improvement. The Section 219 Army Corp grant was not approved, and while we will continue to apply, these funds will be needed for the possible grant match or to locally fund the improvements. We will also carry over \$375,000 in unspent funds for this project.
2. \$25,000 in additional funds for two real time Total Residual Chlorine units similar to what has been successfully piloted at Chapaton.
3. \$20,000 for three indoor security cameras within the two Martin buildings to provide remote visibility to our station operators at Chapaton.
4. \$20,000 for the design of sewer repairs to be determined by the upcoming sewer inspection program.
5. \$15,000 for the parking lot resurfacing.
6. Carry over funds for the design and construction of the disinfection system, the inspection of the dewatering line and influent/effluent boxes, design of the basin hatch equipment, and as-needed engineering.

The elimination of funding for one time budgeted costs partially offsets these new item including a replacement drain gate hydraulic accumulator, repairs to the chlorine storage and service buildings, and replacement SCADA servers. Funds are budgeted for increased State NPDES Permit fees and SCADA upgrades. Savings were realized due to reallocating NexGen costs, and lower chemical, laboratory, and electric costs.

Limited reserves have been established in case we do not receive the flushing system grant and toward future improvements including the drain vault replacement.

MSDDD FY2021 Project Budget Prioritization

Rank	Project	Description	Budget
1	Flushing System Modifications	Was waiting on Section 219 funding for this work but this has continued to not happen. We need to move forward on this work so this is the next collection for this work. Will need another collection next year but with the money already collected we can start design.	\$ 490,000
2	Real-time TRC Equipment Installation	This has been piloted at Chapaton and is working well. This will install two units at the Martin RTB.	\$ 25,000
3	Security Cameras	Currently only have 1 camera which is located outside. Would like to add 3 cameras within the two buildings to have more visibility for our operators.	\$ 20,000
4	Misc. Sewer Repairs	Design of repairs from any issues found during the 2020 sewer inspection	\$ 20,000
5	Parking Lot Resurfacing	The parking area within the fence of the facility is in need of resurfacing.	\$ 15,000
Total Budget			\$ 570,000

**MARTIN SANITARY COMMUNITIES
TOTAL CHARGES
FY 2020 vs FY 2021**

Total Cost Category	2019/2020 Charge	2020/2021 Charge	Difference	% Change
Martin	838,682	920,550	81,868	9.8%
TOTAL	838,682	920,550	81,868	9.8%

Communities	2019/2020 Charge	2020/2021 Charge	Difference	% Change
Roseville (78.09%)	654,927	718,857	63,931	9.8%
St. Clair Shores (21.91%)	183,755	201,692	17,937	9.8%
TOTAL	838,682	920,550	81,868	9.8%

MARTIN SANITARY
 2019-2020 CHARGES
 EFFECTIVE OCTOBER 1, 2020

			Roseville	St. Clair Shores	Total
COMMUNITY ASSESSMENTS	Total Annual	Monthly	78.09%	21.91%	100.00%
MARTIN SANITARY	920,550	76,712	59,905	16,808	76,712
		Annual Total	718,857	201,692	920,550

MARTIN SANITARY
Operations and Maintenance
Budget to Actual

Description	Page #	Actual 2018/2019	Actual 5/31/2020	Projected 9/30/2020	Budget 2019/2020	Budget 2020/2021	Budget Change	% Change
EXPENSE								
Application/Permit Fee	4	3,000	6,000	6,000	3,000	6,000	3,000	100.0%
Dues, Training, Conf, Subs.	5	2,760	0	2,560	3,150	2,560	(591)	-18.7%
Engineering	6	65,374	27,851	39,201	627,000	1,113,675	486,675	77.6%
New Equipment	7	8,063	327	12,900	12,900	34,000	21,100	163.6%
Operating Supplies	8	38,606	18,656	42,500	55,900	48,640	(7,260)	-13.0%
Other Professional Svcs	9	7,034	1,637	11,000	18,000	11,000	(7,000)	-38.9%
Personnel Services	10	165,621	63,748	166,558	188,558	205,200	16,642	8.8%
Repair & Maintenance	11	14,538	36,912	138,740	138,740	28,740	(110,000)	-79.3%
Contribution to SCADA Reserve	12	5,805	5,805	5,805	5,805	5,810	5	0.1%
Scada System	12	13,474	13,029	25,370	24,894	40,450	15,556	62.5%
Utilities	13	34,935	9,163	38,575	43,150	40,150	(3,000)	-7.0%
Contribution to Capital Reserve		150,000	9,500	9,500	9,500	0	(9,500)	-100.0%
Total Expenses		509,209	192,627	498,709	1,130,597	1,536,225	405,628	35.9%
REVENUE								
Interest Earned		5,523	5,245	6,400	5,000	4,500	(500)	-10.0%
Contribution from Community		699,485	838,682	838,682	838,682	920,550	81,868	9.8%
Use of SCADA Reserves		0	7,977	17,400	17,415	0	(17,415)	-100.0%
Carry Forward		95,750	0	52,050	269,500	611,175	341,675	126.8%
Total Revenue		800,758	851,904	914,532	1,130,597	1,536,225	405,628	35.9%

Reserves:	667,459	1,023,317	417,952
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NOTES:			
Design Basin Equipment Hatch	12,000	9,950	0
TRC Equipment-Sampling Pumps(3)	7,500	7,500	0
As Needed Engineering	0	18,725	0
Replace Drain Gate Hydraulic Accumulator	50,000	0	0
Flushing System Upgrades & First Flush Capture-Design	200,000	375,000	0
Disinfection System Replacement	0	175,000	0
CCTV of Dewatering Line & Influent and Effluent Boxes	0	25,000	0
SCADA Reserves	17,415	5,810	11,620
Capital Reserves ¹	380,544	406,332	406,332
Total Reserves	667,459	1,023,317	417,952

Non Committed Reserve (Excludes life cycle and carryover)	380,544	406,332	406,332
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¹Building up reserves for the Martin Retention Basin, Structural Rehab Flushing System if no grant is received, drain vault

**FY 2020-2021
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND: 0072
ACTIVITY: Application/Permit Fee

P/Y BUDGET: \$ 3,000
REQUEST: \$ 6,000
INC/(DEC.): 3,000

ACCOUNT EXPLANATION:

DESCRIPTION	20/21	19/20
1) Annual NPDES Permit	6,000	3,000
Total	6,000	3,000

INCREASE/DECREASE EXPLANATION:

1) The state has increased the permit fee, 50/50 split between 8.5 Mile and Martin.

**FY 2020-2021
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND:	0072	P/Y BUDGET:	\$ 3,150
ACTIVITY:	Dues, Training, & Conf	REQUEST:	\$ 2,560
		INC/(DEC.):	\$ (590)

ACCOUNT EXPLANATION:

DESCRIPTION	20/21	19/20
1) Certification, Licenses, Training	600	600
2) Dues, Membership & Subscription	50	50
3) NexGen Renewal	1,910	2,500
Total	2,560	3,150

INCREASE/DECREASE EXPLANATION:

1,2) Split with SEMCWWDS, Martin and 8.5 Mile.

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

3) Annual renewal for the asset management software. Renewal has increased significantly

due to an added portal. Cost was split evenly between MIDDD, SEMCCWWDS, Martin and

8.5, however, it is now split 50% MIDDD, the other 50% is split

10% SEMCWWDS, 15% Martin and 25% 8.5 Mile.

**FY 2020-2021
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND: 0072
ACTIVITY: Engineering

P/Y \$ 627,000
REQUEST: \$ 1,113,675
INC/(DEC.): \$ 486,675

ACCOUNT EXPLANATION:

PROJECT #	DESCRIPTION	20/21	19/20
	1) As Needed Engineering	0	15,000
	2) Flushing System Upgrades & First Flush Capture-Design(new money)	490,000	175,000
	3) Disinfection System Replacement	0	200,000
	4) Inspection of Dewatering Line and Influent and Effluent Boxes	0	25,000
	5) Misc Sewer Repairs	20,000	0
	Total New Projects	510,000	415,000
	1) As Needed Engineering (old money)	18,725	0
	2) Flushing System Upgrades & First Flush Capture-Design(old money)	375,000	200,000
	3) Disinfection System Replacement	175,000	0
	4) Inspection of Dewatering Line and Influent and Effluent Boxes	25,000	0
	6) Design Basin Equipment Hatch	9,950	12,000
	Total Carryover Projects	603,675	212,000
	Total All Projects	1,113,675	627,000

INCREASE/DECREASE EXPLANATION:

- 1) Item for unexpected engineering projects that may arise during the year. This will be bid out to assure we receive the best price. Carried forward from 2019 and 2020 budget.
- 2) Was waiting on Section 219 funding for this work but this has continued to not happen. We need to move forward on this work so this is the next collection. Will need future collections, but with the money already collected we can start design. Total estimated project cost \$1.5 million.
- 3) The current system has reached the end of its useful life. This is for the design and construction of the complete replacement of this system. \$25,000 had been spent in the 19-20 budget
- 4) PACP inspection of the 42" dewatering line and the influent and effluent boxes.
- 5) Design of repairs from any issues found during the 2020 sewer inspection
- 6) Design of Basin equipment hatch project. There was \$2,050 of expenses in 19/20.

**FY 2020-2021
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND: 0072
ACTIVITY: New Equipment

P/Y BUDGET: \$ 12,900
REQUEST: \$ 34,000
INC/(DEC.): \$ 21,100

ACCOUNT EXPLANATION:

PROJECT #	DESCRIPTION	20/21	19/20
	1) Misc (Lab Equip, Bldg Instrumentation, etc)	1,500	1,500
	2) New Pickup Truck to replace 2009 GMC Sierra	0	3,900
	3) TRC Equipment (new money)	25,000	0
Total New Projects		26,500	5,400
	3) TRC Equipment (old money)	7,500	7,500
Total Carryover Projects		7,500	7,500
Total All Projects		34,000	12,900

INCREASE/DECREASE EXPLANATION:

1) As needed equipment that may arise.

2) End of useful life and in need of replacement. This is split with 8.5 Mile, Martin and SEMCWWDS.

Purchase will be complete 19/20.

3) This has been piloted at Chapaton and is working well. This will install two units at Martin.

The \$7,500 that was budgeted in 19/20 as Sampling Pumps(3) is now converted to TRC equipment.

**FY 2020-2021
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND:	0072	P/Y BUDGET: \$	55,900
ACTIVITY:	Operating Supplies	REQUEST: \$	48,640
		INC/(DEC.): \$	(7,260)

ACCOUNT EXPLANATION:

DESCRIPTION	20/21	19/20
1) Sodium Hypochlorite	35,000	40,000
2) Protective Equipment	200	400
3) Clothing for operations staff	240	200
4) Laboratory Supplies required by NPDES permit	11,000	13,000
5) Equipment Rental	500	500
6) Office Supplies	100	100
7) Postage	100	100
8) Fuel	500	600
9) Misc	1,000	1,000
Total	48,640	55,900

INCREASE/DECREASE EXPLANATION:

1,4,6,7,8,9) Budget is stated based on current usage.

2,3) Split with SEMCWWDS, Martin and 8.5 Mile, total is adjusted for the split.

**FY 2020-2021
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND:	0072	P/Y BUDGET:	\$ 18,000
ACTIVITY:	Other Professional Services	REQUEST:	\$ 11,000
		INC/(DEC.):	\$ (7,000)

ACCOUNT EXPLANATION:

DESCRIPTION	20/21	19/20
1) Contract Laboratory for Permit Overflow	5,000	12,000
2) Property Insurance	6,000	6,000
Total	11,000	18,000

INCREASE/DECREASE EXPLANATION:

- 1) Budget restated based on current usage.

- 2) Property insurance is covered under the county policy. The county invoices the

various drainage districts for their portion.

FY 2020-2021
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET

FUND:	0072	P/Y BUDGET:	\$ 188,558
ACTIVITY:	Personnel	REQUEST:	\$ 205,200
		INC/(DEC.):	\$ 16,642

ACCOUNT EXPLANATION:

DESCRIPTION	20/21	19/20
1) Pump Station Operators	87,410	85,349
2) Operations Manager	20,930	18,540
3) Asst Operations Manager	17,030	14,673
4) Pump Station Standby	1,700	1,800
5) Overtime	10,400	10,400
6) SCADA Manager Support	8,490	8,348
7) SCADA System Specialist (PT)	3,450	3,345
8) Engineering Support	29,950	27,171
9) Senior Asset Mgmt Tech	9,350	5,124
10) Clerical Support	2,450	2,400
11) Accounting	1,430	1,400
12) Administrative	9,380	6,979
13) MIDDD Field Operator Reimbursement	3,230	3,030
Total	205,200	188,558

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%).

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.

8) Three engineers performing Martin duties.

9) Position to support Nexgen tasks for Wastewater. Cost split with MIDDD, SEMCWWDS,
Martin and 8.5 Mile. Prior year budget reflected old position's salary and was budgeted too low.

10,11) 75% of support staff is charged to 8.5 Mile Relief District. Remaining 25%
is split between SEMCWWDS (10%) and Martin (15%).

12) Cross charge for administrative personnel. 5.25% is charged to 8.5 Mile, the remaining
is split between SEMCWWDS, Martin, MIDDD, and General.

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

**FY 2020-2021
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND: 0072
ACTIVITY: Repair & Maintenance

P/Y BUDGET: \$ 138,740
REQUEST: \$ 28,740
INC/(DEC.): \$ (110,000)

ACCOUNT EXPLANATION:

PROJECT #	DESCRIPTION	20/21	19/20
	1) Annual Repair and Maintenance	13,000	13,000
	2) Lawn Mowing	740	740
	Total Annual Items	13,740	13,740
	3) Service Building Repairs	0	50,000
	4) Chlorine Storage Building Repairs	0	25,000
	5) Parking Lot Resurface	15,000	0
	Total New Items	15,000	75,000
	6) Replace Drain Gate Hydraulic Accumulator	0	50,000
	Total Carryover Items	0	50,000
	Total All Projects	28,740	138,740

INCREASE/DECREASE EXPLANATION:

- 1) Budget is stated based on current usage.
- 2) Lawn mowing contracted by third party.
- 3) Service building repairs as found from the SAW grant, will be completed by 9/30/2020.
- 4) Chlorine storage building repairs as found from the SAW grant, will be completed by 9/30/2020.
- 5) Parking lot resurfacing within the fence of the facility.
- 6) Completed by 9/30/2020.

FY 2020-2021
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET

FUND: 0072
ACTIVITY: SCADA

P/Y BUDGET: \$ 24,894
REQUEST: \$ 40,450
INC/(DEC.): \$ 15,556

ACCOUNT EXPLANATION:

PROJECT #	DESCRIPTION	20/21	19/20
	1) SCADA as needed	6,450	4,838
	2) SolarWinds-Network Management Software	1,940	0
	3) UPS Battery Replacements	0	500
	4) Wonderware Software Support Renewals	1,170	1,100
	5) Obsolete Wireless Backhaul Replacement Links	3,230	0
	6.) VEEAM Support Renewal	70	59
	7) Fiber Optic improvements	3,220	0
	8) Firewall Hardware Design/Config	2,580	0
	10) Comcast Business Service	1,770	471
	11) Cell Modem Service (Sprint) 9 units	20	27
	12) Redundant UPS for headend Network Server Racks	0	484
	13) Security Cameras (3)	20,000	0
	14) SCADA Servers Upgrade (Reserves)	0	17,415
	Total Annual Projects	40,450	24,894
	Total Carryover Projects	0	0
	Grand Total SCADA	40,450	24,894
Reserve	Future costs of Server Upgrade - Life Cycle per year	5,810	5,805

INCREASE/DECREASE EXPLANATION:

- 1) A server maintenance task was built into MIDD, costs are proportioned out to various districts.
- 2) We currently own the base version of this software. The software support has not been kept up and this is to upgrade the software to a business format. This upgraded platform will help streamline communications support for our staff.
- 5) Several critical wireless links utilize 10-year old technology and can no longer be purchased. Since they have reached the end of their useful life, they are in need of replacement.
- 7) This will be used to start setting up redundant links for our main SCADA servers. We have had a few issues since the County fiber was installed, when it goes down we completely lose backup abilities between the two servers.
- 8) The existing firewalls are being dual purposed to act as a security appliance and as an OSPF router. The routing capabilities of the existing firewalls are very limited and often times will cause outages simply due to their poor routing capabilities.
- 13) Three (3) security cameras installation. Currently we have one camera located outside the building. Would like to add 3 within the two buildings to have more visibility for our operators.

**FY 2020-2021
MARTIN SANITARY BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET**

FUND: 0072
ACTIVITY: Utilities

P/Y BUDGET: \$ 43,150
REQUEST: \$ 40,150
INC/(DEC.): \$ (3,000)

ACCOUNT EXPLANATION:

DESCRIPTION	20/21	19/20
1) Electric Service	12,000	15,000
2) Consumers Energy	3,000	3,000
3) Water	400	500
4) Weather Radar	500	400
5) Telephone(Cell)	750	750
6) Internal Service Cost	23,500	23,500
Total	40,150	43,150

INCREASE/DECREASE EXPLANATION:

1,2,3) Budget is stated based on current usage.

4) Weather Radar split with MIDDD, 8.5 Mile, Martin and SEMCWWDS, total adjusted for the split.

6) Represents costs the county Finance charges for items such as telephones,

Treasurer's office, car insurance, IT, and more. Split with SEMCWWDS, Martin and 8.5 Mile.

MARTIN SANITARY DIVERSION - 7/14/20 - 7/28/20

<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 Astorino	JCI Jones Chemicals, Inc. NexGen	\$3,949.18 \$1,434.32	Invoice #826755 - 7.16.20 Invoice #2525 - 7.13.20	Hypochlorite Solution - 4,374 Gallons License/Support/Contractor Portal - 10.1.20 -	
Total				\$ 5,383.50			

YTD Budget
Fund: Martin Sanitary Diversion
As of Fiscal Period: Oct 1, 2019-July 31, 2020

DESCRIPTION	2020 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
State-Grants	-			-	100.0%
Investment Inc-Interest	5,000		3,972	1,028	79.4%
Reimb-Local Communities	838,682		838,682	-	100.0%
PY Revenue-Fund Balance	286,915			286,915	0.0%
<i>Total Revenue Accounts</i>	1,130,597	-	842,654	287,943	74.5%
EXPENSE ACCOUNTS					
Application/Permit Fee	3,000		6,000	(3,000)	200.0%
Dues, Training, Conf, Subs.	3,150		478	2,672	15.2%
Engineering					
-As Needed Engineering	15,000		3,920	11,080	26.1%
- Disinfection System Replacement	200,000		31,961	168,039	16.0%
-CCTV of Dewatering Line and Influent and Effluent Boxes	25,000		246	24,754	1.0%
-Design Flushing System Upgrades & First Flush Capture	375,000			375,000	0.0%
-Replace Drain Gate Hydraulic Accumulator*	-		1,329	(1,329)	0.0%
-Design Basin Equipment Hatch	12,000		2,050	9,950	17.1%
New Equipment	12,900			12,900	0.0%
Operating Supplies	55,900		21,779	34,122	39.0%
Other Professional Svcs	18,000		4,067	13,933	22.6%
Personnel Services	188,558		86,367	102,191	45.8%
Repair & Maintenance	138,740		66,417	72,323	47.9%
Scada System	24,894		13,597	11,297	54.6%
Utilities	43,150		10,851	32,299	25.1%
Capital Reserve	15,305		15,305	-	100.0%
<i>Total Expense Accounts</i>	1,130,597	-	264,366	866,231	23.4%

	O&M Balance 9/30/2019	O&M	Total 7/31/2020
Cash - Operating	687,459	578,288	1,265,747
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		842,654	842,654
Expenditures		264,366	264,366
Equity	687,459		1,265,747

Detail of 2019 Equity

Design Basin Equipment Hatch	12,000
Sampling Pumps	7,500
Replace Drain Gate Hydraulic Accumulator*	50,000
Design Flushing System Upgrades & First Flush Capture	200,000
SCADA Reserves	11,610
Capital Reserves	406,349

* Project was projected to be completed during 18/19 budget cycle. However it was not completed, so funds designated in 18/19 for this project will be used in 19/20