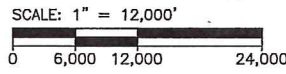
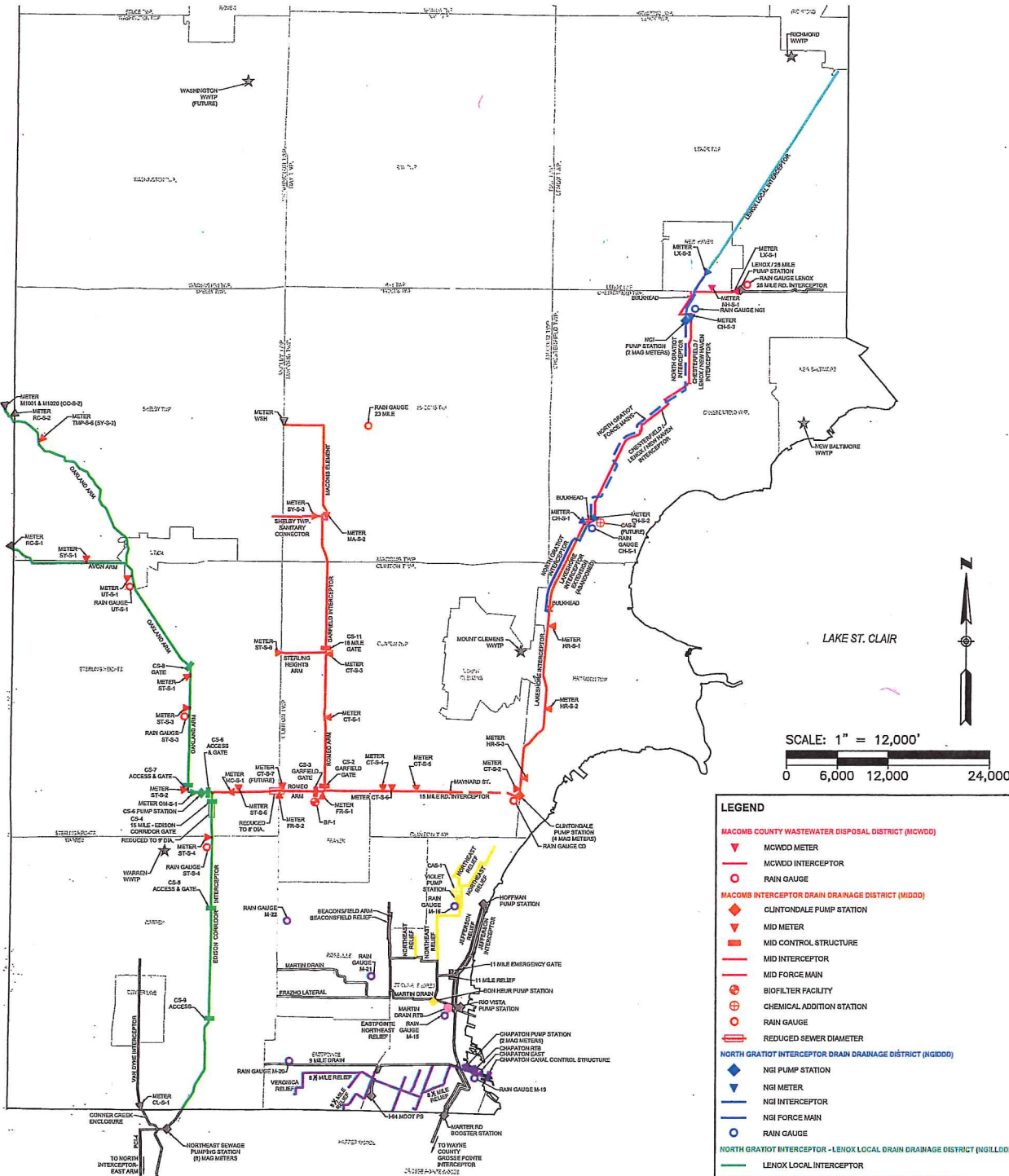


Miller  
Santo  
Tocco

MARTIN SANITARY DIVERSION DRAIN  
INTRA-COUNTY DRAINAGE BOARD  
MAY 14, 2018  
10:00 A.M.  
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for May 14, 2018	
3. Approval of Minutes for April 9, 2018	3
4. Public participation	
5. Project Update – Vince Astorino	5
6. Consideration for approval of invoices (see attached)	6
7. Financial Report – Bruce Manning	7
8. Adjourn	

# MACOMB COUNTY WASTEWATER SYSTEMS



- LEGEND**
- MACOMB COUNTY WASTEWATER DISPOSAL DISTRICT (MCWDD)**
    - MCWDD METER
    - MCWDD INTERCEPTOR
  - MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (MIDD)**
    - CLINTONDALE PUMP STATION
    - MID METER
    - MID CONTROL STRUCTURE
    - MID INTERCEPTOR
    - MID FORCE MAIN
    - BIOFILTER FACILITY
    - CHEMICAL ADDITION STATION
    - 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 (NGILLDD)**
    - LENOX LOCAL INTERCEPTOR
  - OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (OMIDD)**
    - CS-6 PUMP STATION
    - OMID METER
    - OMID CONTROL STRUCTURE
    - OMID INTERCEPTOR
    - REDUCED SEWER DIAMETER
  - 1/2 MILE RELIEF DRAIN DRAINAGE DISTRICT**
    - CHAPATON WEST PUMP STATION
    - CHAPATON RETENTION TREATMENT BASIN
    - CHAPATON CANAL CONTROL GATE
    - 1/2 MILE INTERCEPTOR
    - RAIN GAUGE
  - SEMIWAS DRAINAGE DISTRICT (SEMWDD)**
    - SEMWDD PUMP STATION
    - CHEMICAL ADDITION STATION
    - SEMWDD INTERCEPTOR
  - MARTIN SANITARY DIVERSION DRAINAGE DISTRICT (MSDD)**
    - 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 in the Office of the Macomb County Public Works Commissioner, 21777 Dunham, Clinton Township, Michigan, on April 9, 2018, at 10:54 A.M.

PRESENT: Candice S. Miller, Chair  
Kathy Tocco, Member

ABSENT: Bryan Santo, Member

ALSO PRESENT: Veronica Klinefelt, Robert Mijac, Macomb County Board of Commissioners; Brian Baker, Chief Deputy, Karen Czernel, Deputy, Vincent Astorino, Operations & Flow Manager, Evans Bantios, P.E., Construction and Maintenance Manager, Jeff Bednar, P.E. Environmental Engineer, Dan Heaton, Public Relations Manager, Bruce Manning, Financial Manager, Barbara Delecke, Administrative Services, Macomb County Public Works; Stephen Saph, Nickel & Saph, Inc.

The meeting was called to order by the Chair, Candice Miller. The agenda was approved as presented.

Minutes of the meeting of March 12, 2018 were presented. A motion was made by Ms. Tocco, with the caveat that she was not present at the meeting, supported by Ms. Miller to approve the minutes as presented.

Adopted: YEAS: 2  
NAYS: 0

The meeting was opened to public participation, then closed, there being no comments from the public.

The condition assessment is being reviewed. A draft report should be available for the June 2018 meeting.

A motion was made by Ms. Tocco, supported by Ms. Miller to receive and file the project update given by Mr. Astorino.

The Chair presented the invoices totaling \$32,129.51 to the board for review and approval.

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

Adopted: YEAS: 2  
NAYS: 0

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

Adopted: YEAS: 2  
NAYS: 0

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


Adopted: YEAS: 2  
NAYS: 0

The meeting was adjourned at 11:00 a.m.

  
\_\_\_\_\_  
Candice S. Miller, Chair  
Macomb County Public Works Commissioner

STATE OF MICHIGAN  
COUNTY OF MACOMB

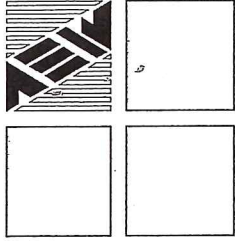
I certify that the foregoing is a true and correct copy of proceedings taken by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on April 9, 2018, the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was 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: 4/11/18

9207.bd





**ANDERSON, ECKSTEIN AND WESTRICK, INC.**

51301 Schoenherr Road, Shelby Township, Michigan 48315  
Civil Engineers • Surveyors • Architects 586-726-1234

April 13, 2018

Vincent J. Astorino  
Macomb County Office of Public Works  
21777 Dunham Road  
Clinton Township, MI 48036

Reference: Martin Sanitary Diversion Drain Drainage District  
Wastewater Asset Management Plan  
SAW Grant No. 1411-01  
AEW April 13, 2018 Invoice No. 0117390  
AEW Project No. 0211-0172

Dear Mr. Astorino:

The attached invoice and supplemental information covers services performed for the Wastewater Asset Management Plan for the Martin Sanitary Diversion Drain Drainage District. The following is a brief description of the services that were provided:

**Phase 01 SAW Grant Application**

This phase is 100% complete.

**Phase 02 RTB Evaluations**

This phase is 35% complete. During this period we perform evaluations of the assets at the RTB, completed photo documentation of the assets, updating county database schema for the asset inventory, attended progress meetings developed the NEXGEN hierarchy.

**Phase 03 Asset Management Plan**

This phase remains 35% complete. During this period we perform the probability of failure, consequence of failure, business risk exposure and condition assessment of the assets at the RTB.

The total payment due for the services included in this invoice is \$36,360.00. If you have any questions feel free to contact me

Sincerely,

Kyle M. Seidel, PE, CFM  
Senior Project Engineer

Enclosure: AEW April 13, 2018 Invoice No. 0117390

M:\0211\0211-0172\Gen\Letters\2018 04 13 Invoice.docx

MARTIN SANITARY DIVERSION DRAIN - MAY 14, 2018

<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	Anderson, Eckstein & Westrick, Inc.	\$ 36,360.00	Invoice #0117390 - 4/13/18 Engineering Services - 3/5/18 - 4/1/18	Asset Inventory, Condition Assessment, CIP	\$ 186,909.37
	SAW Grant 1411-01 (Closing date 11/24/18)	Astorino	Cummins Bridgeway	\$ 512.57	Invoice #006-62660 - 3/21/18	Generator Batteries	
		Astorino	DTE Energy	\$ 1,320.87	Monthly Electric - 3/20/18 - 4/18/18		
		Astorino	HESCO	\$ 5,491.00	Invoice #20180586 - 4/23/18		
		Astorino	Jones Chemicals, Inc.	\$ 4,029.00	Invoice #754268 - 4/23/18	Flow Module with Area Velocity Sensor	
		Astorino	Macomb Community College	\$ 1,120.00	Invoice #005645579 - 4/3/18	Hypochlorite Solution - 4,452 gallons	
		Astorino	Paul Conway Shields	\$ 1,338.75	Invoice #04206888-IN - 4/9/18	Confined Space Training - 8 employees	
		Astorino	Test America	\$ 690.00	Invoice #19012353 - 4/17/18	Equipment for Confined Space Trailer	
		Astorino	Test America	\$ 1,404.00	Invoice #19012423 - 4/25/18	Lab Analysis of Water Samples	
			<b>Total</b>	\$ 52,266.19			

**YTD Trial Balance**

**Fund: Martin Sanitary Diversion**

**As of Fiscal Period: Oct 1, 2017-Apr 30, 2018**

	<b>O&amp;M Balance 9/30/2017</b>	<b>O&amp;M</b>	<b>Total 4/30/2018</b>
<b>Cash - Operating*</b>	14,184	17,899	32,083
<b>Accounts Receivable</b>			0
<b>Assets</b>			0
<b>Liabilities</b>		17,335	17,335
<b>Revenues</b>		58,891	58,891
<b>Expenditures</b>		58,327	58,327
<b>Equity</b>	14,184		14,748

**NOTES**

	<b>Grant</b>	<b>Match</b>	<b>Total</b>
SAW 1411-01	292,514	32,502	325,016
YTD	(105,605)	(11,734)	(117,339)
Remaining	186,909	20,768	207,677

\* Added back the match portion of cash until the receipt of the communities share of the 2017/2018 budget. It was agreed upon they would send payment when their fiscal year begins in July.