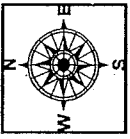


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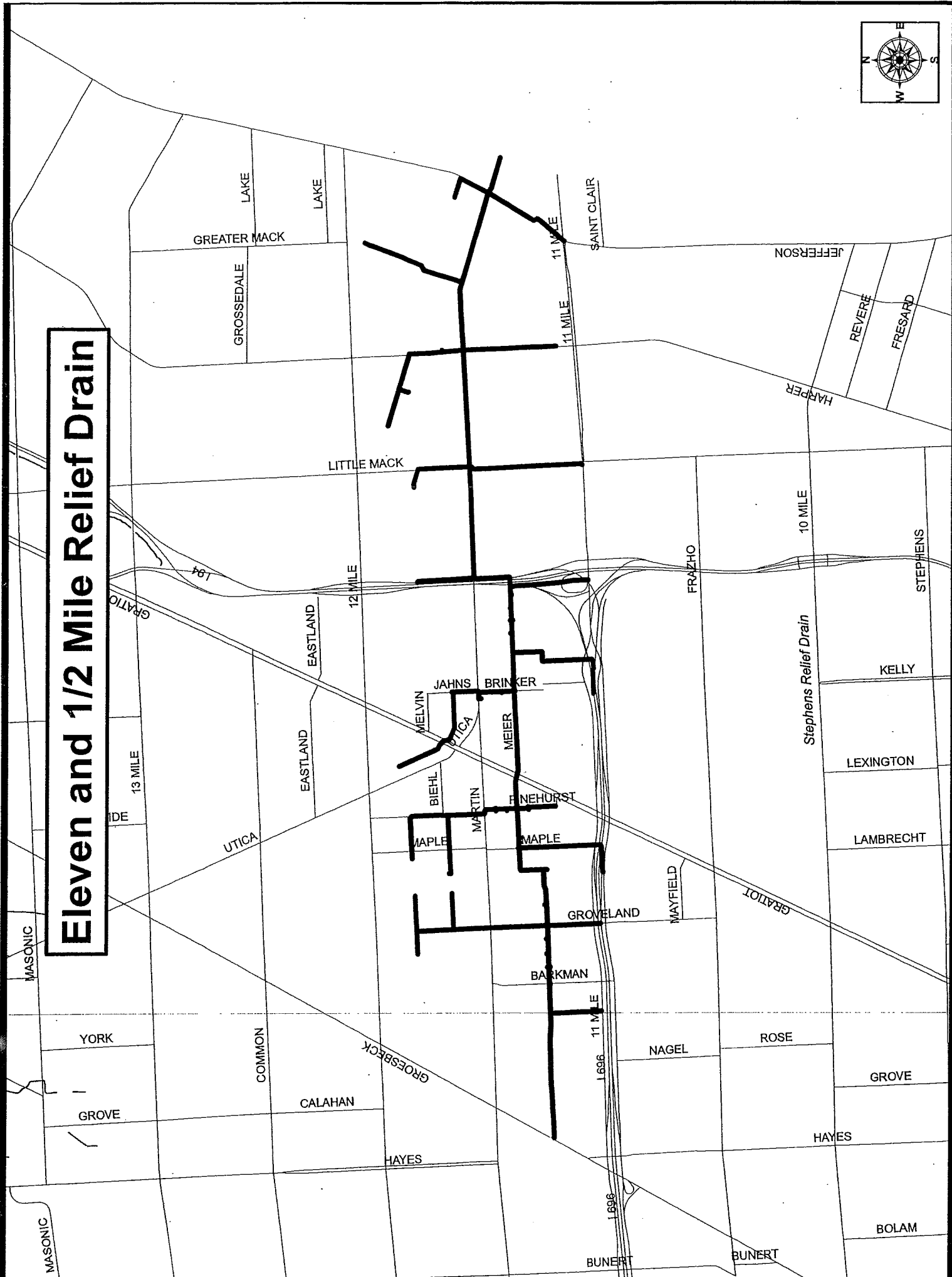
ELEVEN AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
APRIL 10, 2017
11:00 A.M.
AGENDA

Page No.

1. Call of meeting to order and roll call
2. Approval of Agenda for April 10, 2017
3. Approval of Minutes for March 13, 2017 1
4. Public participation
5. Consideration for approval of invoices (see attached) 3
6. Financial Report – Bruce Manning 4
7. Adjourn



Eleven and 1/2 Mile Relief Drain



GREATER MACK
LAKES
GROSSEDALE

LITTLE MACK

EASTLAND

UTICA

GROESBECK

MASONIC

YORK

GROVE

COMMON

CALAHAN

HAYES

BARKMAN

NAGEL

ROSE

GROVE

HAYES

BOLAM

11 MILE

1696

BUNERT

11 MILE

SAINT CLAIR

JEFFERSON

REVERE

FRESARD

HARPER

10 MILE

FRAZHO

STEPHENS

KELLY

LEXINGTON

LAMBRECHT

GRATIOT

GROVELAND

MAYFIELD

Stephens Relief Drain

JAHNS BRINKER

MELVIN

UTICA

MEIER

BIEHL

MARTIN

FINEHURST

MAPLE

MAPLE

GRATIOT

13 MILE

12 MILE

IDE

11 MILE

1696

1696

BUNERT

An adjourned meeting of the Intra-County Drainage Board for the **ELEVEN AND ONE-HALF MILE RELIEF DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham, Clinton Township, Michigan, on March 13, 2017, at 12:00 P.M.

PRESENT: Candice S. Miller, Chair
Robert Smith, Member
Veronica Klinefelt, Member

ALSO PRESENT: Brent Avery, Brian Baker, Chief Deputy, Evans Bantios, Engineer II, Karen Czernel, Deputy Public Works Commissioner, Barbara Delecke, Administrative Services, Anthony Forlini, Operations Manager, Keith Graboske, Chief Engineer, Bruce Manning, Acting Financial Manager, Thomas Stockel, Construction Engineer

The meeting was called to order by the Chair, Candice Miller. The meeting was opened to public participation, then closed, there being no comments from the public.

Minutes of the meeting of February 13, 2017 were presented and approved on a motion by Mr. Smith, supported by Ms. Klinefelt and unanimously carried.

The Chair presented the attached invoices totaling \$8,045.40 to the board for review and approval.

Motion was made by Mr. Smith, supported by Ms. Klinefelt to approve the attached invoices as presented.

Ayes: Smith, Klinefelt, Miller
Nays: None

Motion approved.

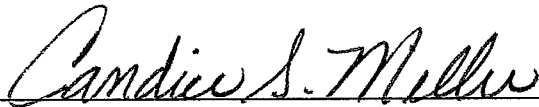
The meeting was adjourned on a motion by Mr. Smith, seconded by Ms. Klinefelt, and unanimously approved.



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 March 13, 2017, 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: 3/14/17

8630.bd

11 1/2 Mile Relief Drain - 4/10/17

<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>
11 1/2 Mile Relief	Chapter 20 State of MI - 15.04% Macomb Co. - 5.79% Roseville - 51.13% St. Clair Shores - 28.04% SAW 1133-01	Seymour	Doetsch Environmental Services	\$ 159,485.03	Invoice #69414 - 1/31/17	CCTV Sewer Inspection - January	\$582,765.23 Plus 10% Match Requirement
	SAW 1133-01	Seymour	Fishbeck, Thompson, Carr & Huber, Inc.	\$ 13,934.55	Invoice #365510 - Engineering Services - ending 2/24/17	Project Management, GIS Coordination/GPS Manholes and Impsection	\$570,222.14 Plus 10 % Match Requirement
		Stockel	Superior Excavating, Inc.	\$ 127,120.05	Construction Estimate #1 - Developer Agreement	Drain Improvements - Lakeshore Senior Living	\$14,124.45
Total				\$ 300,539.63			

YTD Trial Balance

Fund: 11.5 Mile

As of Fiscal Period: Oct 1, 2016-March 31, 2017

	O&M	SAW 1133-01⁽²⁾	YTD Balance
Cash - Operating	386.28	80,700.53	81,086.81
Accounts Receivable			0.00
Assets			0.00
Liabilities⁽¹⁾	1,244.53	259,413.58	260,658.11
Revenues	551.49	10,490.00	11,041.49
Expenditures	439.48	184,022.63	184,462.11
			0.00
Equity⁽³⁾	(970.26)	(5,180.42)	(6,150.68)
	0.00	0.00	

NOTES

- 1) Fishbeck, Thompson, Carr & Huber 13,934.55
Doetsch Industrial Services Inc. 159,485.03
Due to Admin Services for 10% match portion of S. 85,994.00
- 2) Funds for the SAW grant are requested on a monthly basis and requires a 10% match
Remaining balance of Grant = 570,222.00
- 3) Equity will remain negative because of advance of the 10% match from Admin Services



MONTHLY PROGRESS REPORT

TO: Ms. Candice Miller – Macomb County Public Works Commissioner
Ms. Lynne Seymour, PE – Office of the Macomb County Public Works Commissioner (OMCPWC)

FROM: Mr. Brian L. McKissen, PE – Fishbeck, Thompson, Carr & Huber, Inc. (FTCH)

DATE: April 5, 2017 **PROJECT NO.:** G130666 and G130737

RE: 11 1/2 Mile Relief Drain and Stephens Relief Drain Stormwater, Asset Management, and Wastewater (SAW) Grant

Report Period – March 6, 2017 to April 2, 2017

The following is a summary of work completed to date, and the anticipated work for the next month:

Work accomplished during the report period:

1. Geographic Information System (GIS) System Development
 - a. FTCH has clarified ownership of lateral connections into the Drains with the OMCPWC staff.
 - b. FTCH is verifying ownership of lateral connections to the Drains with record plans and is updating the GIS accordingly.
 - c. FTCH staff acquired the drawings for the I-696 freeway construction and began reviewing them for the re-location of the 11 1/2 Mile Relief Drain.
2. Field Inspections
 - a. Doetsch Environmental Services, Inc. (Doetsch) continued walking the 11 1/2 Mile Relief Drain with remote and handheld cameras. Approximately 45,368 feet of approximately 65,700 feet of the 11 1/2 Mile Relief Drain was video inspected. No inspection of the Stephens Relief Drain occurred during this reporting period (currently 44,968 feet of approximately 63,100 feet of the Stephens Relief Drain has been inspected).
 - b. FTCH attended a meeting with St. Clair Housing Commission staff to discuss the dewatering impacts to the Leisure Manors I site.
 - c. FTCH verified the required work area in the parking lot at the Leisure Manors I site with Doetsch to attempt to reduce the impact to the handicap parking spaces at the request of the St. Clair Shores Housing Commission.
 - d. Doetsch continues constructing the gates for the bulkheads for dewatering the Drains.
3. Data Analysis
 - a. FTCH staff continue to review the sewer televising results and Pipeline Assessment Certification Program (PACP) scores for the pipes.
 - b. FTCH is updating the GIS database with the information found during sewer televising and manhole inspection.

Anticipated work items for the upcoming report period:

1. GIS System Development
 - a. FTCH will continue to update the ownership of the lateral connections in the GIS.



2. Field Inspections

- a. FTCH will prepare and distribute minutes from the meeting with the St. Clair Shores Housing Commission.
- b. Doetsch will finalize construction of the dewatering systems. Actual onsite dewatering is anticipated to begin in late April.

3. Data Analysis

- a. FTCH to begin determining the consequence of failure (COF) for the pipes and manholes for both drains.
- b. FTCH is continuing to review the sewer televising results and will begin calculating the probability of failure (POF) scores for the sections of pipes inspected for both drains.
- c. FTCH to continue updating the GIS database with the information found during sewer televising and manhole inspection.
- d. FTCH to develop list of manholes that were not surveyed and/or inspected in the first round of site visits.

Needed Information/Actions from MCPWC:

1. None.

nac

By email

cc: Mr. Brian Baker – OMCPWC
Ms. Maria Sedki, PE – FTCH