

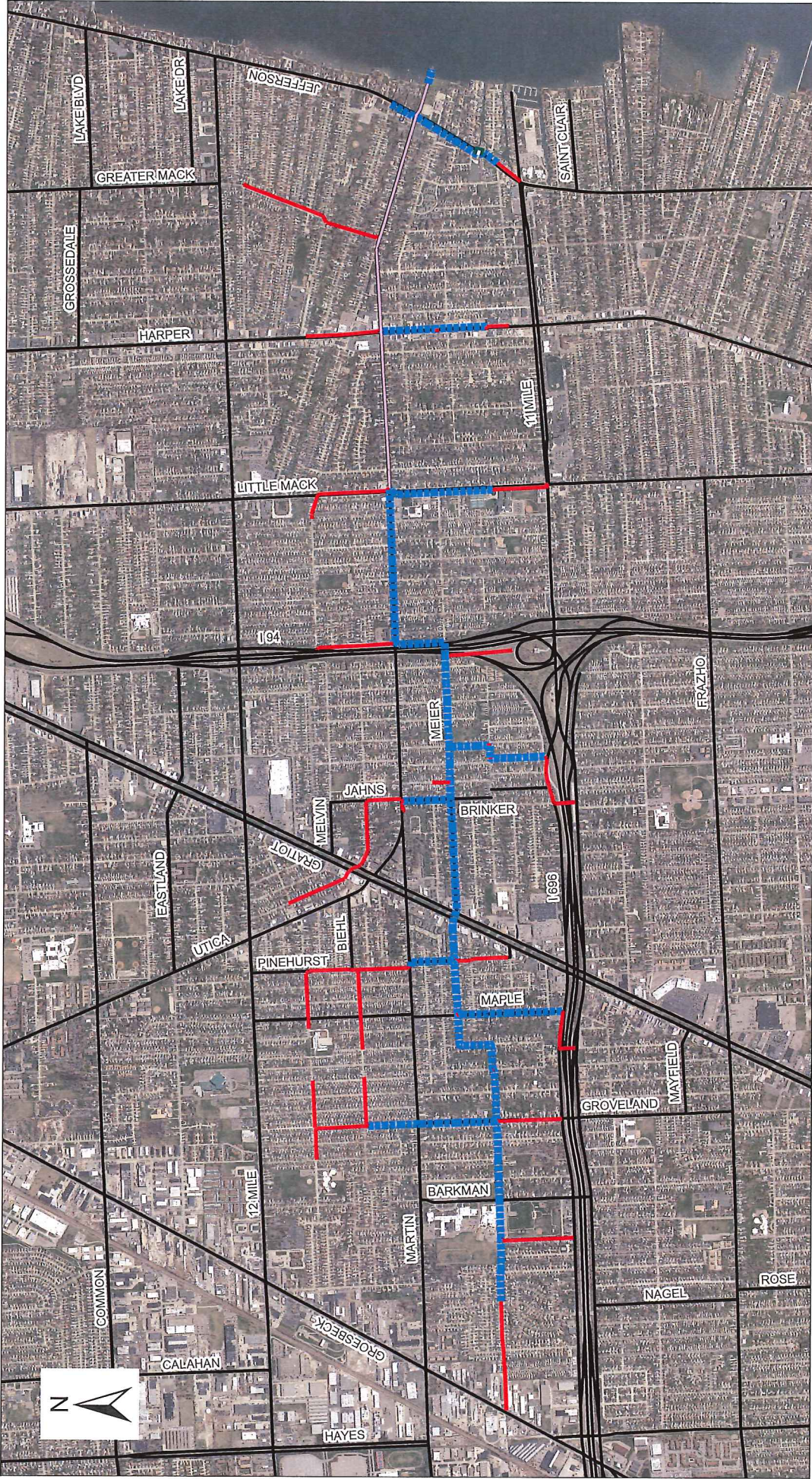
Miller
Santo
Tocco

ELEVEN AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
NOVEMBER 13, 2017
10:15 A.M.
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for November 13, 2017	
3. Approval of Minutes for October 16, 2017	3
4. Public participation	
5. Project Update – Jeff Bednar	5
6. Consideration for approval of invoices (see attached)	7
7. Financial Report – Bruce Manning	8
8. Adjourn	

11 & 1/2 MILE RELIEF DRAIN

ROSEVILLE/ST CLAIR SHORES



Legend

- Enclosed Gravity**
 - < 60" Dia
 - >= 60" Dia
 - Multiple Pipes
- Open Channel**
 - Ditch
 - Pond
- Culvert



Drain Length (Feet/Miles):
64,387.97 / 12.19



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 October 16, 2017, at 10:23 A.M.

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

ALSO PRESENT: Veronica Klinefelt, Robert Smith, Macomb County Board of Commissioners; Brian Baker, Chief Deputy, Karen Czernel, Deputy, Keith Graboske, P.E., Chief Engineer, Vincent Astorino, Operations & Flow Manager, Evans Bantios, P.E., Construction and Maintenance Manager, Jeff Bednar, P.E., Environmental Engineer II, Tom Stockel, Construction Engineer, Bruce Manning, Financial Manager, Stephen Downing, Engineer II, Steven Rozycki, Engineer II, Tamara Keskeny, Property Manager, Barbara Delecke, Administrative Services, Macomb County Public Works; Ben Aloia, Aloia & Associates; Jared Beaudoin, City of Sterling Heights

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

Minutes of the meeting of September 11, 2017 were presented and approved, on a motion by Mr. Santo and supported by Ms. Tocco and unanimously carried.

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

Mr. Bednar provided an update on recent work. A walk-through of the drain was completed. Sediment samples were tested and found to be typical of sediment debris from roadways. The samples had low e.coli levels and did not detect PCBs. Water samples taken from drains flowing into the 11 ½ Mile Relief had very small traces of e.coli. Once all structures have been located and entered into GIS, tapes will be reviewed to identify structural repairs needed. A report of the findings will be prepared and presented to the board in the near future.

A motion to receive and file the progress report update given by Mr. Bednar was made by Mr. Santo, supported by Ms. Tocco and unanimously approved.

The Chair presented the invoice totaling \$3,000.00 to the board for review and approval.

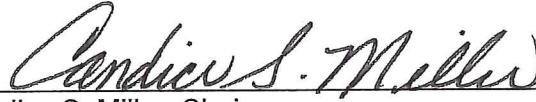
Motion was made by Ms. Tocco supported by Mr. Santo to approve the invoice as presented.

Ayes: Tocco, Santo, Miller
Nays: None

Motion approved.

A motion to receive and file the financial report given by Mr. Manning was made by Mr. Santo, supported by Ms. Tocco and unanimously carried.

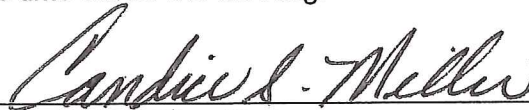
The meeting was adjourned at 10:27 a.m. on a motion by Ms. Tocco, seconded by Mr. Santo, and unanimously approved.



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 October 16, 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: 10/18/17

8961.bd



MONTHLY PROGRESS REPORT

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

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

DATE: October 3, 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 – September 4, 2017 to October 1, 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. Field Inspections
 - a. FTCH field staff collected the locations of the remaining manholes and catch basins using the Global Positioning System (GPS) for the 11 1/2 Mile Relief Drain.
 - b. Doetsch Environmental installed the bulkhead and dewatered the 11 1/2 Mile Relief Drain for television inspection.
 - c. Doetsch Environmental completed the television inspection for the remaining sections of the 11 1/2 Mile Relief Drain.
 - d. Doetsch Environmental collected six water samples from laterals into the drain. The samples were analyzed by Chapaton staff and no evidence of sanitary connections were found. This work was done independently of the SAW Grant.

Anticipated work items for the upcoming report period:

1. Field Inspections
 - a. FTCH will begin survey of the remaining manholes and catch basins on the Stephens Relief Drain.
 - b. FTCH will begin inspection of the remaining manholes on the 11 1/2 Mile and Stephens Relief Drains.
 - c. Doetsch Environmental will install the bulkhead, dewater, and inspect the remaining sections of the Stephens Relief Drain.
 - e. Doetsch Environmental will collect water samples found entering the Stephens Relief Drain from laterals and have them analyzed at Chapaton. This work will be done independently of the SAW Grant.
2. Data Analysis
 - a. FTCH to continue updating the GIS database with the information found during sewer televising and manhole inspection.
 - b. FTCH to begin analyzing the results of the sewer inspections as Doetsch Environmental completes the work.

Needed Information/Actions from MCPWC:

None.

Bi-Weekly Progress Report – 11 1/2 Mile Relief Drain and Stephens Relief Drain SAW Grant
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October 3, 2017



nac

By email

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

YTD Trial Balance

Fund: 11.5 Mile

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

	O&M Balance 9/30/2017	O&M	Total 10/31/2017
Cash - Operating	388,078		388,078
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues			0
Expenditures			0
			0
Equity	388,078		388,078

NOTES

	Grant	Match	Total
SAW 1133-01	773,941	85,994	859,935
YTD	(276,658)	(30,740)	(307,398)
Remaining	497,283	55,254	552,537