

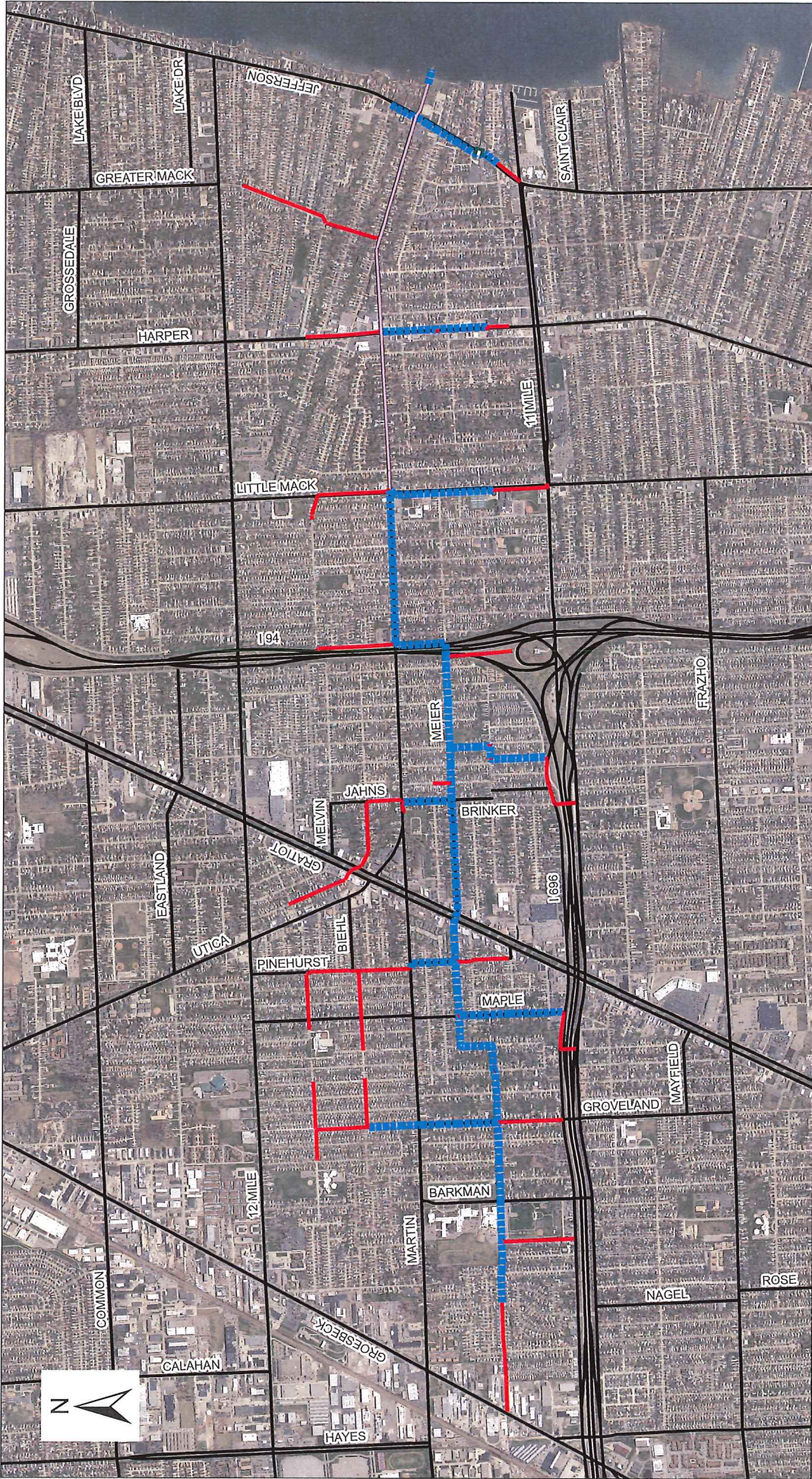
Miller
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ELEVEN AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
SEPTEMBER 11, 2017
10:00 A.M.
AGENDA

Page

1. Call of meeting to order and roll call
2. Approval of Agenda for September 11, 2017
3. Approval of Minutes for July 10, 2017 3
4. Public participation
5. Progress Report – Keith Graboske 5
6. Consideration for approval of invoice (see attached) 7
7. Financial Report – Bruce Manning 8
8. Adjourn

11 & 1/2 MILE RELIEF DRAIN



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 July 10, 2017, at 10:19 A.M.

PRESENT: Brian Baker, Acting Chair
 Robert Smith, Member

ABSENT: Bryan Santo, Member

ALSO PRESENT: Joseph Romano, Macomb County Board of Commissioners; Karen Czernel, Deputy, Keith Graboske, P.E., Chief Engineer, Vincent Astorino, Engineer II, Evans Bantios, Engineer II, Anthony Forlini, Operations Manager, Richard Ives, Community Wastewater Services Manager, Bruce Manning, Financial Manager, Barbara Delecke, Administrative Services, Macomb County Public Works; Benjamin Aloia, Aloia & Associates; Chris Dilbert, Village of New Haven; Jared Beaudoin, City of Sterling Heights

The meeting was called to order by the Acting Chair, Brian Baker. A motion was made by Mr. Smith, supported by Mr. Baker and unanimously carried to approve the agenda as presented.

Minutes of the meeting of May 8, 2017 were presented and approved, with the caveat that Mr. Smith was not present, on a motion by Mr. Baker, supported by Mr. Smith and unanimously carried.

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

Fishbeck, Thompson, Carr & Huber (FTCH) has begun calculating the probability of failure. The calculations then determine the consequence of failure which is reported as part of the asset management. There have been issues with the County's GIS matching up with the Public Works data. Three of the four bulk-heads have been constructed and will be installed to allow for inspections and to locate illicit discharges. Doetsch is the contractor performing the work.

A motion to receive and file the progress report update given by Mr. Graboske was made by Mr. Smith, supported by Mr. Baker and unanimously approved.

The Chair presented the invoice totaling \$8,811.50 to the board for review and approval.

Motion was made by Mr. Baker supported by Mr. Smith to approve the invoice as presented.

Ayes: Baker, Smith
Nays: None

Motion approved.

A trial balance sheet was presented to the Board by Mr. Manning. The SAW Grant is ongoing. The remaining balance on the SAW Grant is \$513,687.00.

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

The meeting was adjourned at 10:24 a.m. on a motion by Mr. Smith, seconded by Mr. Baker, and unanimously approved.



Brian Baker, Acting 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 July 10, 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.



Brian Baker, Acting Chair
Macomb County Public Works Commissioner

DATED: 7/10/17

8797.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: August 8, 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 – July 3, 2017 to August 6, 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 substituted data from the existing Macomb County drain database for the 11 1/2 Mile Relief Drain to address the syncing issues associated with the software.
 - b. FTCH staff updated ownership information for the sewers and drains in the GIS database.
 - c. FTCH staff coordinated with Macomb County Planning staff for the transfer of data to the Macomb County GIS system.
2. Field Inspections
 - a. Doetsch Environmental has completed construction of the bulkheads and installed them onsite for the 11 1/2 Mile Relief Drain.
 - b. FTCH staff has prepared a summary of manholes and catch basins remaining to survey using the Global Positioning System (GPS), and manholes to inspect for the 11 1/2 Mile Relief Drain. 217 of approximately 659 storm manholes and catch basins have been surveyed, and 198 of approximately 294 manholes have been inspected.
 - c. FTCH is currently preparing a summary of manholes and catch basins remaining to survey using GPS, and manholes to inspect for the Stephens Relief Drain.
3. Data Analysis
 - a. FTCH has begun calculating the probability of failure (POF) scores for the sections of pipes inspected for both drains.

Anticipated work items for the upcoming report period:

1. Field Inspections
 - a. Doetsch Environmental will bulkhead, dewater, and inspect the remaining sections of the 11 1/2 Mile Relief Drain.
 - b. Once the 11 1/2 Mile Relief Drain inspection is completed, Doetsch Environmental will bulkhead and dewater the Stephens Relief Drain and begin inspection.
 - b. FTCH will survey the remaining manholes and catch basins in both drains.
 - c. FTCH will inspect the remaining manholes in both drains.



2. Data Analysis

- a. FTCH to begin determining the consequence of failure (COF) for the pipes and manholes for both drains.
- b. FTCH will continue calculating the 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 begin analyzing the results of the sewer inspections as Doetsch Environmental completes the work.

Needed Information/Actions from MCPWC:

None.

nac

By email

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

11 1/2 MILE RELIEF DRAIN - 9/11/17

<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	Graboske	Fishbeck, Thompson, Carr & Huber, Inc.	\$ 10,938.00	Invoice #369176 - 8/22/17 Engineering Services - ending 8/11/17	Project Management, GIS Coordination/GFS, manholes & inspections	\$ 503,842.00
Total				\$ 10,938.00			

YTD Trial Balance

Fund: 11.5 Mile

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

	O&M Balance 9/30/2016	O&M	Total 8/31/2017
Cash - Operating	161,854	220,161	382,014
Accounts Receivable			0
Assets			0
Liabilities	162,824	(162,824)	(0)
Revenues		465,547	465,547
Expenditures		82,562	82,562
			0
Equity	(970)		382,014

NOTES

1) Remaining balance of Grant = 503,842