

VOKES RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
MAY 15, 2023
10:30 A.M.
AGENDA

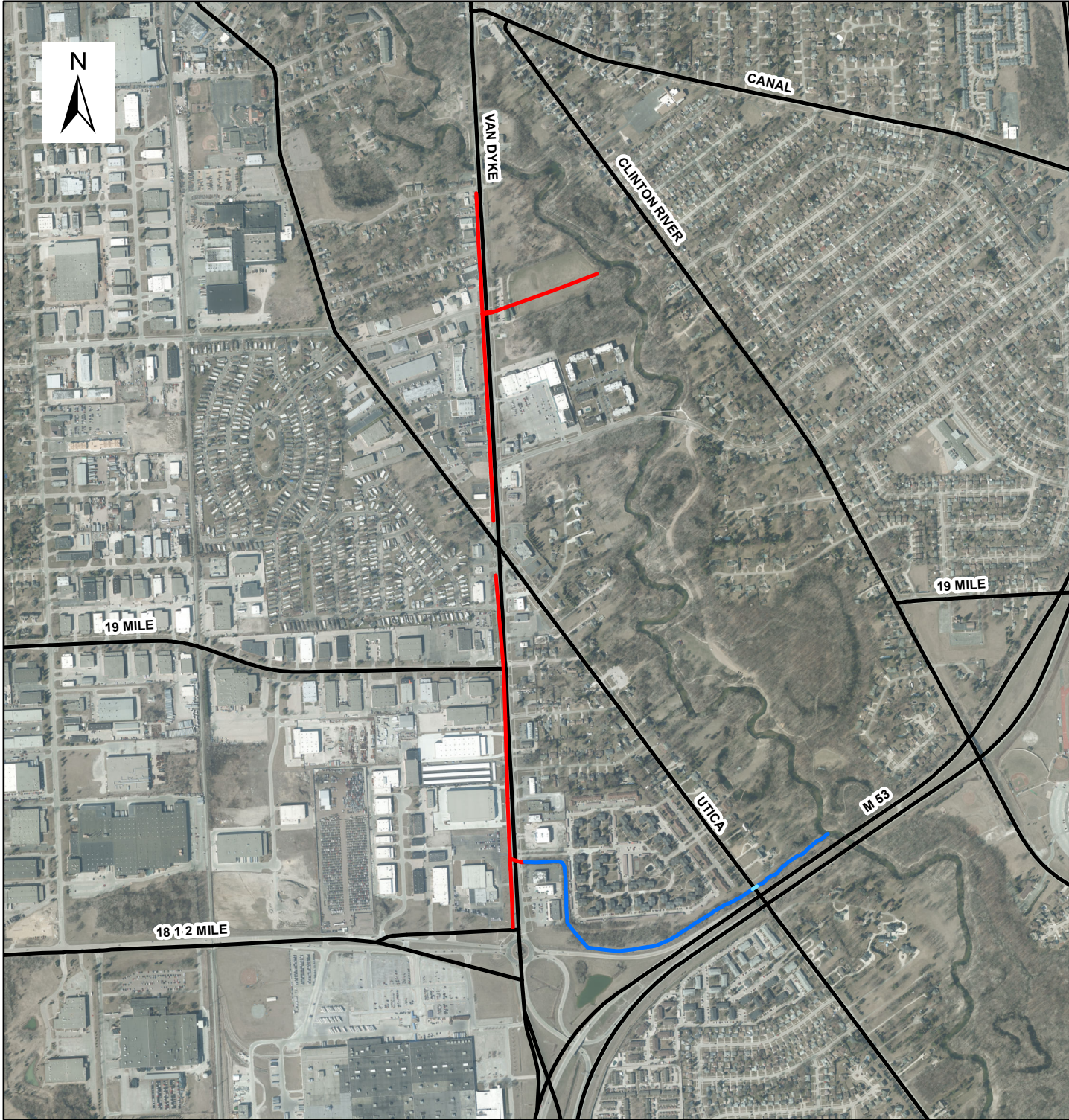
**NOTE: THIS MEETING WILL BE HELD IN PERSON WITH TELECONFERENCE
OPTION FOR PUBLIC**

**Call in Number: 1-224-990-0182
Access Code: 927 405 823**

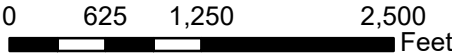
	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for May 15, 2023	
3. Approval of Minutes for November 14, 2022	3
4. Public Participation	
5. Vokes Relief Enclosed Drain Inspection & Debris Removal – Stephen Downing	5
Motion: To approve the proposal from Doestch Environmental for inspection and debris removal for a not to exceed cost of \$55,000 utilizing the County drain match program with the drainage district share not to exceed \$27,400.	
7. Financial Report – Bruce Manning	9
8. Adjourn	

VOKES RELIEF - ENCLOSED/OPEN

STERLING HEIGHTS / UTICA - CHAPTER 20



**Office of
Public Works**



Drain Length (Feet/Miles):
10,920.18 / 2.068
2

Legend

- Culverts
- Open Channel
- Enclosed Gravity

An adjourned meeting of the Intra-County Drainage Board for the **VOKES RELIEF DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham Clinton Township, Michigan on November 14, 2022, at 11:41 A.M.

PRESENT: Candice S. Miller, Chair
Bryan Santo, Member
Don VanSyckel, Member

ALSO PRESENT: Daniel Acciavatti, Deputy of Government Relations; Vince Astorino, Operations & Flow Manager; Brian Baker, Chief Deputy; Steve Downing, Construction & Maintenance Manager; Norb Franz, Communications Manager; Denise Harwood, Fiscal Analyst; Bruce Manning, Finance Manager; Pam Sonnenberg, Administrative Assistant; Tom Stockel, Construction Supervisor; Don Brown, Board of Commissioners

The meeting was called to order by the Chair, Candice S. Miller. A motion was made by Mr. VanSyckel supported by Mr. Santo to approve the agenda as presented.

Adopted: YEAS: 3
NAYS: 0

Minutes of the meeting of January 13, 2022 were presented. A motion was made by Mr. Santo, supported by Mr. VanSyckel 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. Acciavatti presented on the Vokes Drain cleanout utilizing the county drain match program.

A motion was made by Mr. VanSyckel supported by Mr. Santo to approve the Vokes Drain Cleanout for up to \$10,000 using the County's Drain Match program and Sterling Heights local funds at no cost to the Vokes drainage district.

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoice totaling \$7,660.00 to the board for review and approval.

A motion was made by Mr. VanSyckel, supported by Mr. Santo to approve the invoice as presented.

Adopted: YEAS: 3
NAYS: 0

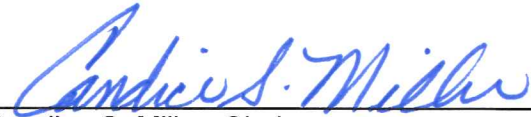
A motion to receive and file the financial report given by Mr. Manning was made by Mr. Santo and supported by Mr. VanSyckel.

Adopted: YEAS: 3
NAYS: 0

There being no further business, it was moved by Mr. Santo, supported by Mr. VanSyckel, that the meeting of the Vokes Relief Drain be adjourned.

Adopted: YEAS: 3
NAYS: 0

The meeting was adjourned at 11:52 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 November 14, 2022 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: 11/14/22



Candice S. Miller

Public Works Commissioner
Macomb County

To: Vokes Relief Drain Drainage District Board Members

CC: FILE

From: Stephen Downing, Construction & Maintenance Manager

Date: May 15, 2023

Subject: Inspection of the Enclosed Section of the Drain

The Vokes Drain consists of open and enclosed sections, see attached maps for reference. The enclosed sections of the Drain are located west of Van Dyke between 18 ½ and 19 Mile Roads. In light of recent flooding during rain events in the area the MCPWO evaluated the Drain to determine the cause of flooding and identify potential improvements to mitigate future flooding. The MCPWO has determined that an inspection of the enclosed section of the Drain is required. There is reason to believe that this Drain is holding sediment and potentially concrete that is restricting the hydraulic capacity. During the inspection debris will be removed from the Drain. The results from this inspection will allow for our Office to better assess the open-channel section of this Drain located downstream of the enclosed section.

This inspection is eligible for the Macomb County Drain Match Program where the County will match 50% of the cost and the District will be responsible for the other 50%. Doetsch Environmental has provided a daily rate for the dewatering of the pipe and CCTV inspection which is attached. Our Office estimates that a total not-to-exceed amount of \$55,000 based on the daily rate of \$4,600 is sufficient for this effort. This is highly dependent on the amount of debris or concrete encountered.

The recommendation is that the Vokes Relief Drain Drainage District Board approve the Inspection for the total not-to-exceed cost of \$55,000 to Doetsch Environmental Services. The amount contributed by the District will not exceed \$27,399.

Attachments: Doetsch Environmental Services Proposal
Drain Map – Enclosed Section
Drain Map

OFFICE LOCATION: 21777 Dunham Road, Clinton Township, Michigan 48036 • Phone: 586-469-5325 • Fax: 586-469-5933

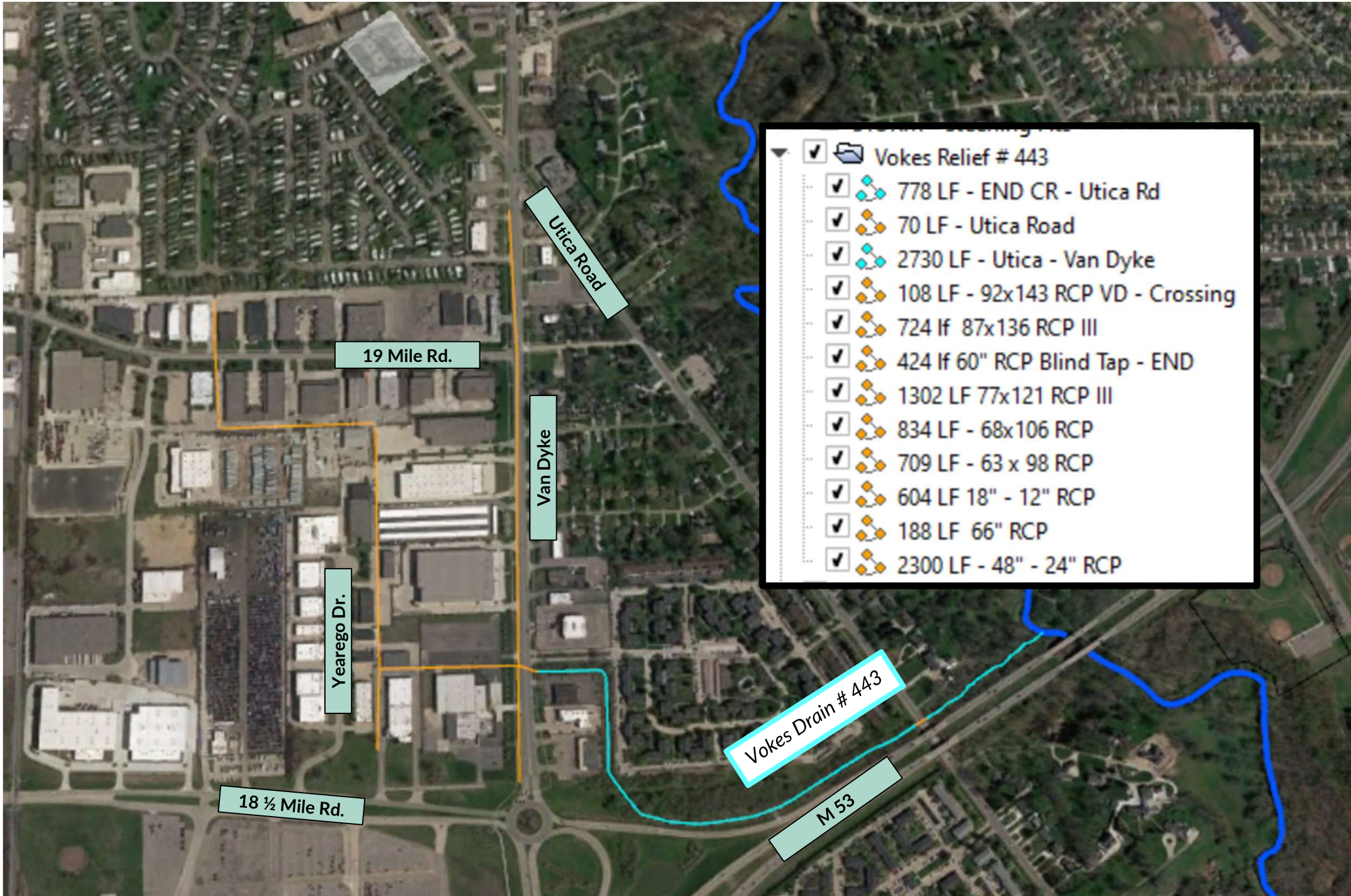
MAILING ADDRESS: P. O. Box 806, Mt. Clemens, Michigan 48046-0806

ENGINEERING • Phone: 586-469-5910 • Fax: 586-469-7693 ♦ **SOIL EROSION** • Phone: 586-469-5327 • Fax 586-307-8264



District Overview

Vokes Relief # 443



- Vokes Relief # 443
- 778 LF - END CR - Utica Rd
- 70 LF - Utica Road
- 2730 LF - Utica - Van Dyke
- 108 LF - 92x143 RCP VD - Crossing
- 724 lf 87x136 RCP III
- 424 lf 60" RCP Blind Tap - END
- 1302 LF 77x121 RCP III
- 834 LF - 68x106 RCP
- 709 LF - 63 x 98 RCP
- 604 LF 18" - 12" RCP
- 188 LF 66" RCP
- 2300 LF - 48" - 24" RCP

January 20, 2023

Troubleshooting

Enclosed Inspection

Daniel J. Acciavatti

Doetsch
ENVIRONMENTAL SERVICES
21221 Mullin Ave. Warren MI 48089

March 21, 2023

Tom Stockel
Macomb County Public Works
21777 Dunham Road
Clinton Township, MI 48036

Re: Vokes Drain Emergency Inspection

Mr. Stockel,

Doetsch Environmental Services will provide necessary, confined space entry equipment, dewatering pump, labor to install pump / sandbags and dewater/inspect the Vokes Drain.

Sandbag and pump installation: \$4,600.00 per day (estimated one day to dewater – unsure of volume and unsure of pipe re-filling)

Inspect pipe with CCTV (1-2 days estimated): \$4,600.00 per day

Thank you for the continued opportunity to be of service,



Joe Schotthoefer

YTD Trial Balance

Fund: Vokes

As of Fiscal Period: Oct 1, 2022-Apr 30, 2023

	O&M Balance 9/30/2022	O&M	Total 4/30/2023
Cash - Operating	27,058	341	27,399
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		341	341
Expenditures		0	0
Equity	27,058		27,399