

ALEXANDER DRAIN
INTRA-COUNTY DRAINAGE BOARD
SEPTEMBER 11, 2023
11:00 A.M.
AGENDA

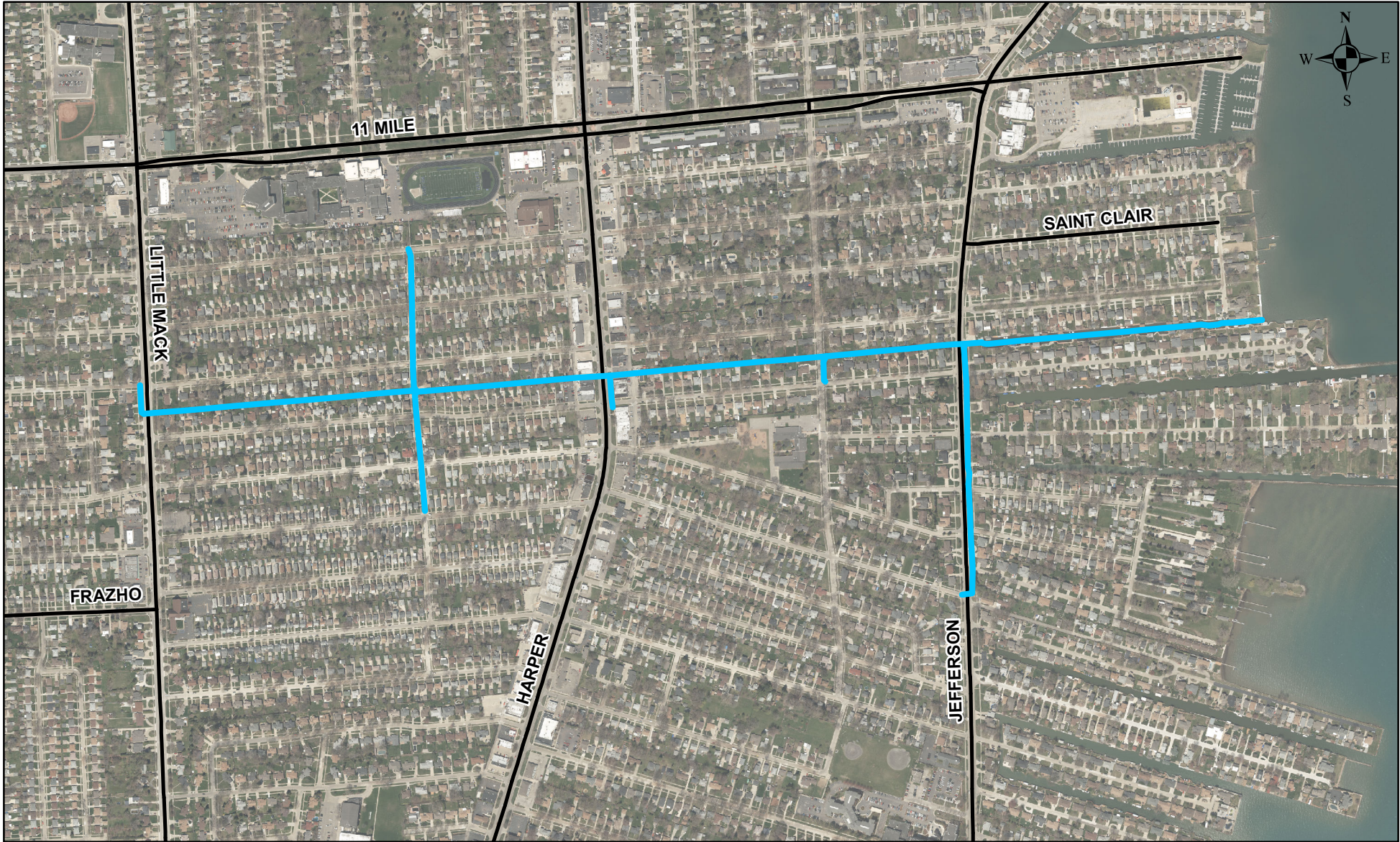
NOTE: THIS MEETING WILL BE HELD BY TELECONFERENCE

Call in Number: 1-651-571-1250
Access Code: 202 576 906

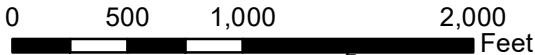
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1. Call of meeting to order and roll call	
2. Approval of Agenda for September 11, 2023	
3. Approval of Minutes for December 14, 2020	3
4. Public Participation	
5. Drain Inspection Award – County Match Program – Stephen Downing	5
Motion: To approve the drain inspection proposal from Doetsch Environmental Services for the total not to exceed cost of \$150,000, subject to St. Clair Shores approving its contribution of \$75,000.	
6. Financial Report – Bruce Manning	8
7. Adjourn	

ALEXANDER DRAIN - ENCLOSED/OPEN

ST. CLAIR SHORES - CHAPTER 20



Drain Length (Feet/Miles):
10,486.76 / 1.99



Legend

- Alexander Drain
- Major Roads

An adjourned meeting of the Intra-County Drainage Board for the **ALEXANDER DRAIN** was held via telephone conference per the State Public Act 228 of 2020 due to the COVID-19 pandemic, on December 14, 2020, at 10:21 A.M.

PRESENT: Candice S. Miller, Chair
Location: Harrison Township, MI

Rob Leonetti, Member
Location: Mt. Clemens, MI

Bryan Santo, Member
Location: Mt. Clemens, MI

ALSO PRESENT: Robert Mijac, Macomb County Board of Commissioners; Board of Commissioner Elect Don VanSyckel; Brian Baker, Chief Deputy, Karen Czernel, Deputy, Stephen Downing, Construction & Maintenance Manager, Bruce Manning, Financial Manager, Tom Stockel, Construction Engineer, Jeff Bednar P.E., Environmental Resources Manager, Vince Astorino, Operations & Flow Manager, Kellie Kource, Drain Account Specialist, Emily Engelmann, Administrative Assistant, Macomb County Public Works; Sebastian Previti, Patrick Meagher, Washington Township; Sydney Hilgendorf, Sterling Heights; Bob Gorski

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

Adopted: YEAS: 3
NAYS: 0

Minutes of the meeting of April 12, 2016 were presented, noting that no current Board Members were present at this meeting. A motion was made by Mr. Leonetti, supported by Mr. Santo 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. Downing updated the board that a sinkhole was found in a yard between Alexander and Centennial Streets. An existing 8 inch clay pipe failed at the catch basin structure. We had Clancy Contracting come to quote the repair.

A motion was made by Mr. Leonetti, supported by Mr. Santo to approve the proposal from Clancy Contracting for \$20,042 to repair the Alexander Drain sinkhole.

Adopted: YEAS: 3
NAYS: 0

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

Adopted: YEAS: 3
NAYS: 0

There being no further business, it was moved by Mr. Leonetti, supported by Mr. Santo that the meeting of the Alexander Drain Board be adjourned.

Adopted: YEAS: 3
NAYS: 0

The meeting was adjourned at 10:29 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 taking by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on December 14, 2020 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: 12/14/20



To: Alexander Drain Drainage District Board Members

CC: FILE

From: Stephen Downing, Construction & Maintenance Manager

Date: September 11, 2023

Subject: Alexander Drain Inspection - Request for Approval

The Alexander Drain is an enclosed stormwater drain located in the City of St. Clair Shores that extends from just east of I-94 to Jefferson where it discharges into the open-air canal. The drain was constructed in the early 1960's with class 1 RCP, ranging in diameter from 60-inch down to 21-inch. The majority of the drain extends along this stretch in between Alexander and Centennial streets, though there are 5 branches as well. The map of the drain is attached for reference.

The request for approval for an inspection of this drain stems from two reasons:

- A potential sinkhole in the rear yard of 21209 Centennial
- The potential to utilize this drain for sewer separation

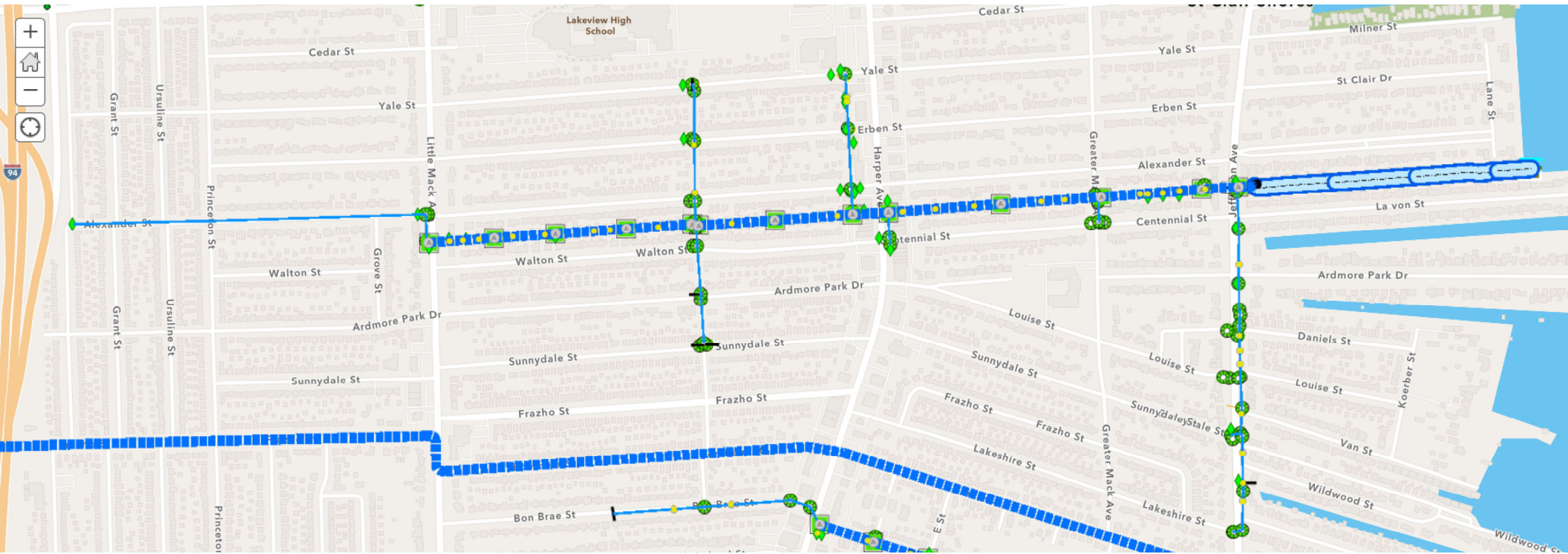
In order to properly inspect this drain we will have to construct a temporary bulkhead near Jefferson and dewater the pipe. This is a result of the drain typically holding 1-2 feet of water. When the potential sink-hole was observed, we evaluated the measures required to facilitate this inspection which was costly based on the inspection of an isolated area of the drain. However, after discussing this with the City's Department of Public Works it was determined that they had an interest in potentially using this drain to divert flow as part of a sewer separation initiative. This provided the opportunity to maximize the benefit to facilitate the inspection of the entire drain.

The MCPWO selected this project to be included in the ongoing Drain Match Program, where the Drain District and/or City contributes a portion of the cost for inspection or repair and the Drain Match Program provides the remaining portion, typically a 50/50 split.

The estimated cost to perform this inspection is \$150,000, which includes fabrication of a custom bulk-head, dewatering the drain, debris removal and disposal, CCTV inspection of main line and branches. The City of St. Clair Shores indicated they will contribute \$75,000 toward this project, which will be presented for approval to their City Council in September. The remaining 75,000 will be contributed by the County's Drain Match Program. This inspection does not allow for the repairs of any defects discovered, those will be addressed as discovered (if critical) or in a future project.

The recommendation is that the Alexander Drain Drainage District Board approve the Contract with Doetsch Environmental Services for the not-to-exceed amount of \$150,000.

Attachments: Drain Map
Doetsch Pricing



Doetsch

ENVIRONMENTAL SERVICES
21221 Mullin Ave. Warren MI 48089

October 23, 2022

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

Re: Alexander Drain Inspection

Mr. Stockel,

Doetsch Environmental Services will provide necessary, confined space entry equipment, dewatering pumps, power units, bulkheads, hose / piping and labor to install pumps and dewater/inspect the Alexander Drain.

Dewatering of drain including bulkhead: \$39,885.00
Manned entry CCTV Inspection of pipe: \$4.00 per linear foot.
Inspection of pipe: branches via tractor camera: \$2.60 per linear foot.
Vacuum truck to vacuum fish during dewatering: \$9,000.00
Vacuum truck and jet truck to clean chamber at headwall: \$ 17,500.00
Disposal for non-hazardous debris: .75 per gallon
Lab analysis of debris (TCLP): \$2,200.00
Disposal of hazardous debris: TBD

- Price assumes privacy fence can be re-used.
- Coordination with neighbors by others.
- Use of private property provided by others.
- Traffic permits on Jefferson provided by others.
- Does not include tree removal in backyard adjacent to headwall (not anticipated).

Dewatering: Includes pumps, bulkhead installation, turbidity curtain, crane to pull bulkheads during rain event. Initial pump down will take 12 hours and then maintenance pumping will begin. If a rain event occurs, pumping will stop and then resume during dry weather.

Thank you for the continued opportunity to be of service,



Joe Schotthoefer

YTD Trial Balance

Fund: Alexander Relief

As of Fiscal Period: Oct 1, 2022-Aug 31, 2023

	O&M Balance 9/30/2022	O&M	Total 8/31/2023
Cash - Operating	11,757	165	11,922
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		165	165
Expenditures			0
Encumbrance			
Equity	11,757		11,922