

CHAPATON DRAIN  
INTRA-COUNTY DRAINAGE BOARD  
OCTOBER 7, 2024  
10:30 A.M.  
AGENDA

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

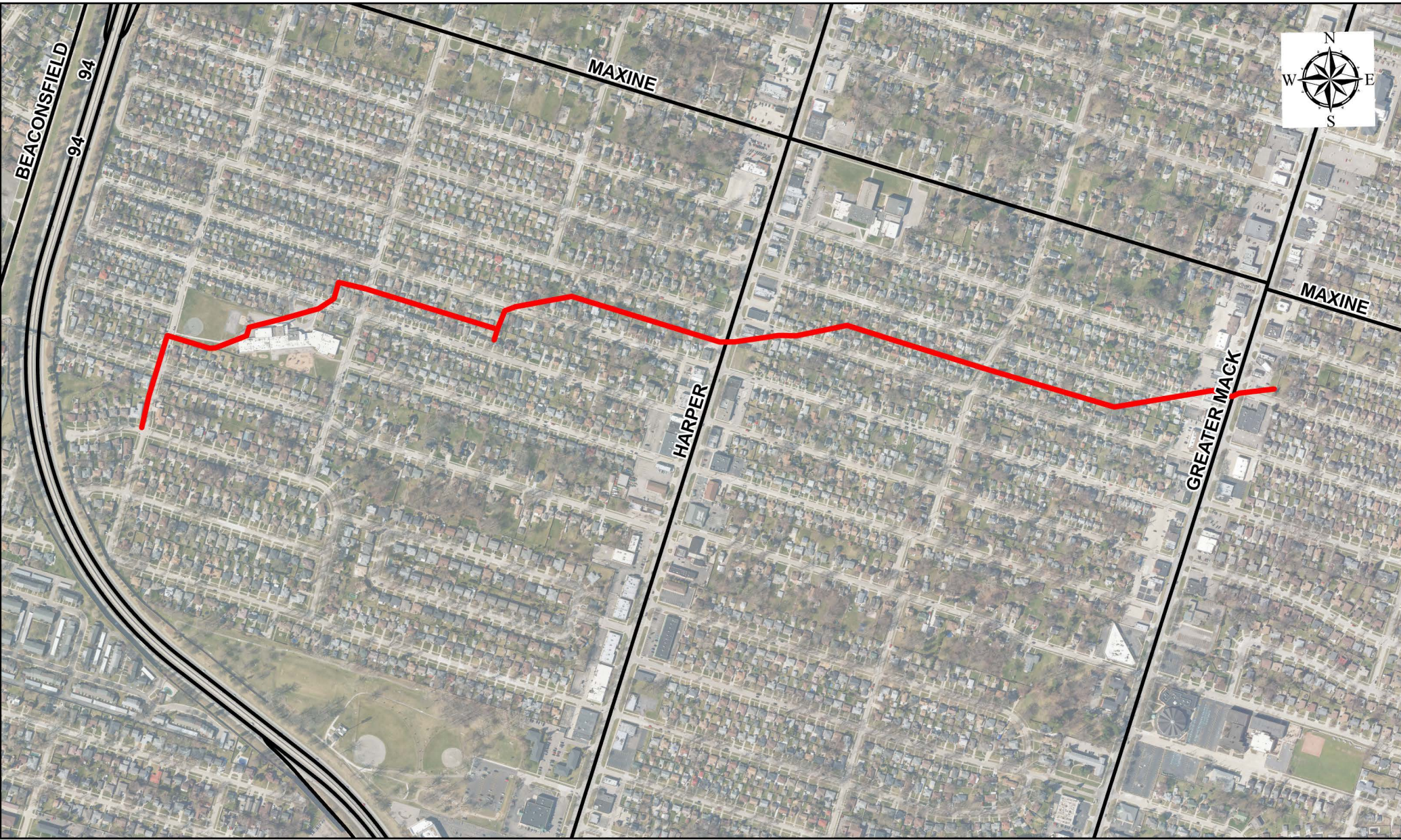
**Teams Meeting ID: 278 423 275 458  
Passcode: y6fvQE**

**Call in Number: 1-917-933-5524  
Passcode: 944 381 372#**

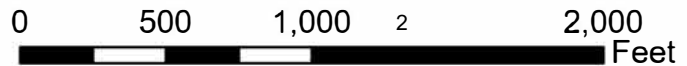
	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for October 7, 2024	
3. Approval of Minutes for August 12, 2024	3
4. Public Participation	
5. Storm Drain Inspections – Contractor Recommendation – Vince Astorino	5
Motion: To approve the Taplin Group, LLC bid to perform work associated with the 2024 Southeast Macomb Storm Sewer Inspections for \$127,850.69.	
6. Financial Report – Bruce Manning	14
7. Adjourn	

# Chapaton Drain

## Enclosed - St. Clair Shores - Chapter 4 & 20



**Drain Length (Feet/Miles):**  
6,515.66 / 1.23



### Legend

- Roads
- Subtype
  - >=60" Dia
  - < 60" Dia



An adjourned meeting of the Intra-County Drainage Board for the **CHAPATON DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham Clinton Township, Michigan on August 12, 2024, at 10:54 A.M.

PRESENT: Candice S. Miller, Chair  
Sarah Lucido, Member

EXCUSED: Bryan Santo, Member

PRESENT VIA TELECONFERENCE: Jessica Johnston, Sterling Heights DPW; Stephen Ogletree, Southlake Schools Facilities & Operations Manager; Ted Vonhiltmay, Southlake Schools Superintendent

ALSO PRESENT: Vince Astorino, Operations & Flow Manager; Brian Baker, Chief Deputy; Stephen Downing, Construction & Maintenance Manager; Steve Duchane, Community Services Coordinator; Norb Franz, Communications Manager; Bruce Manning, Financial Manager; Pam Sonnenberg, Administrative Assistant; Tom Stockel, Construction Supervisor; Don VanSyckel, Board of Commissioners

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

Adopted: YEAS: 2  
NAYS: 0

Minutes of the meeting of April 5, 2011 were presented. A motion was made by Ms. Lucido supported by Ms. Miller to approve the minutes as presented with the caveat that neither Commissioners attended that meeting.

Adopted: YEAS: 2  
NAYS: 0

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

Mr. Downing stated that the section of the Chapaton Drain that runs under the parking lot at Avalon Elementary School is 70 years old and in need of repair. Our office issued a drain tap permit to the school to add an additional catch basin to our drain while repaving their parking lot. Upon inspection, we found that the drain had some defects. We received pricing from 3 contractors. C.B.X. Contracting was the lowest bid; however, their scheduling did not accommodate the timing in which this project needed to be complete for the start of the school year. Robert Clancy Contracting was the second lowest at \$115,000 to replace 400 feet of drainpipe. There is also the cost for Doetsch Environmental Services to inspect which was \$18,400. MCPWO staff has discussed the work with the F&O Director for Southlake Schools, and the DPW Director of St. Clair Shores and all stakeholders agreed to take the opportunity replace the pipe while the parking lot is being repaved. The cost will be shared between the three stakeholders.

A motion was made by Ms. Lucido, supported by Ms. Miller to approve the proposal from Robert Clancy Contracting and authorize payment for \$115,000 to replace 400 ft of drainpipe under the Avalon Elementary School parking lot with costs to be shared by the school district, City of St. Clair Shores, and the County Drain Match program.

Adopted: YEAS: 2  
NAYS: 0

A motion to receive and file the financial report given by Mr. Manning was made by Ms. Lucido and supported by Ms. Miller.

Adopted: YEAS: 2  
NAYS: 0

There being no further business, it was moved by Ms. Lucido, supported by Ms. Miller that the meeting of the Chapaton Drain Board be adjourned.

Adopted: YEAS: 2  
NAYS: 0

The meeting was adjourned at 11:04 a.m.



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Candice S. Miller, Chair  
Macomb County Public Works Commissioner

STATE OF MICHIGAN  
COUNTY OF MACOMB

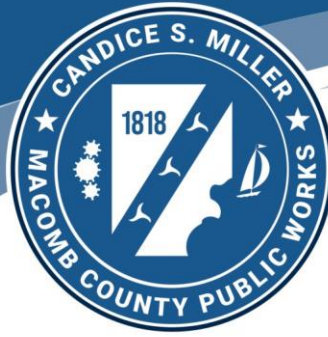
I certify that the foregoing is a true and correct copy of proceedings taking by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on August 12, 2024, the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting 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.



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Candice S. Miller, Chair  
Macomb County Public Works Commissioner

DATED: 08/12/24



To: Chapaton Drain Drainage District Board Members

CC: File

From: Vincent Astorino, Operations Director

Date: October 7, 2024

Subject: 2024 Southeast Macomb Storm Sewer Inspection – Contractor Recommendation

The Macomb County Public Works Office (MCPWO), on behalf of the Chapaton Drain Drainage District and several other storm drainage districts within the City of St. Clair Shores, has identified approximately 12,915 LF of storm sewers that are due to be inspected and has subsequently coordinated the 2024 Southeast Macomb Storm Sewer Inspection program.

Several of these Chapter 4 and Chapter 20 drainage districts were formed in the 1800's and were originally open ditches that meandered throughout then rural St. Clair Shores. Pipes have since been laid in the shallow ditches (oftentimes corrugated metal pipe) and the ditches were filled-in. Many of the pipes traverse through easements within residential back yards and in some cases beneath buildings. Below is a table of the pipes that will be inspected.

Table 1 – Pipes to be Inspected by District

Drainage District Name	Diameter Range (in)	Length to be Inspected (LF)
Brys	12-24	2,217
Chapaton	24-48	6,218
8.5 Mile West Branch	21-36	624
Vernier	18-24	1,508
West	21-30	2,348

**Total:** 12,915

MCPWO worked with NTH Consultants, Ltd., the consultant for the since-completed 2023 Interceptor Inspection Program (IIP), to develop the layout plans for this smaller storm sewer program. The package was large enough to warrant obtaining bids rather than incorporating it into the 2023 IIP.

On September 5, 2024, the bid package was distributed to three pre-qualified contractors. On September 26, 2024, three (3) total bids were publicly opened and were as follows:

**Table 2 – Contractor Bids**

<b>Contractor</b>	<b>Days to Complete</b>	<b>Total Base Bid Price</b>
Doetsch Environmental Services	40	\$358,499.00
Duke’s (formerly Pipetek Infrastructure Services)	60	\$247,042.75
Taplin Group, LLC	30	<b>\$127,850.69</b>
Engineering Estimate	70	\$125,000.00
Budgeted by St. Clair Shores	-	\$175,000.00

MCPWO reviewed the bids, proposed project durations, and accompanying cover letters and determined that all bidders are in compliance with the requirements of the project. The low bidder, Taplin Group, LLC, recently completed the 2023 IIP and is well-suited to complete this work as well.

The Chapaton Drainage District is administering the project as it comprises approximately 50% of the total length of pipe to be inspected. However, the costs for each individual district were broken apart on the bid form and will be tracked separately. Ultimately, the City of St. Clair Shores will be invoiced for these inspections as these districts are entirely within their city limits.

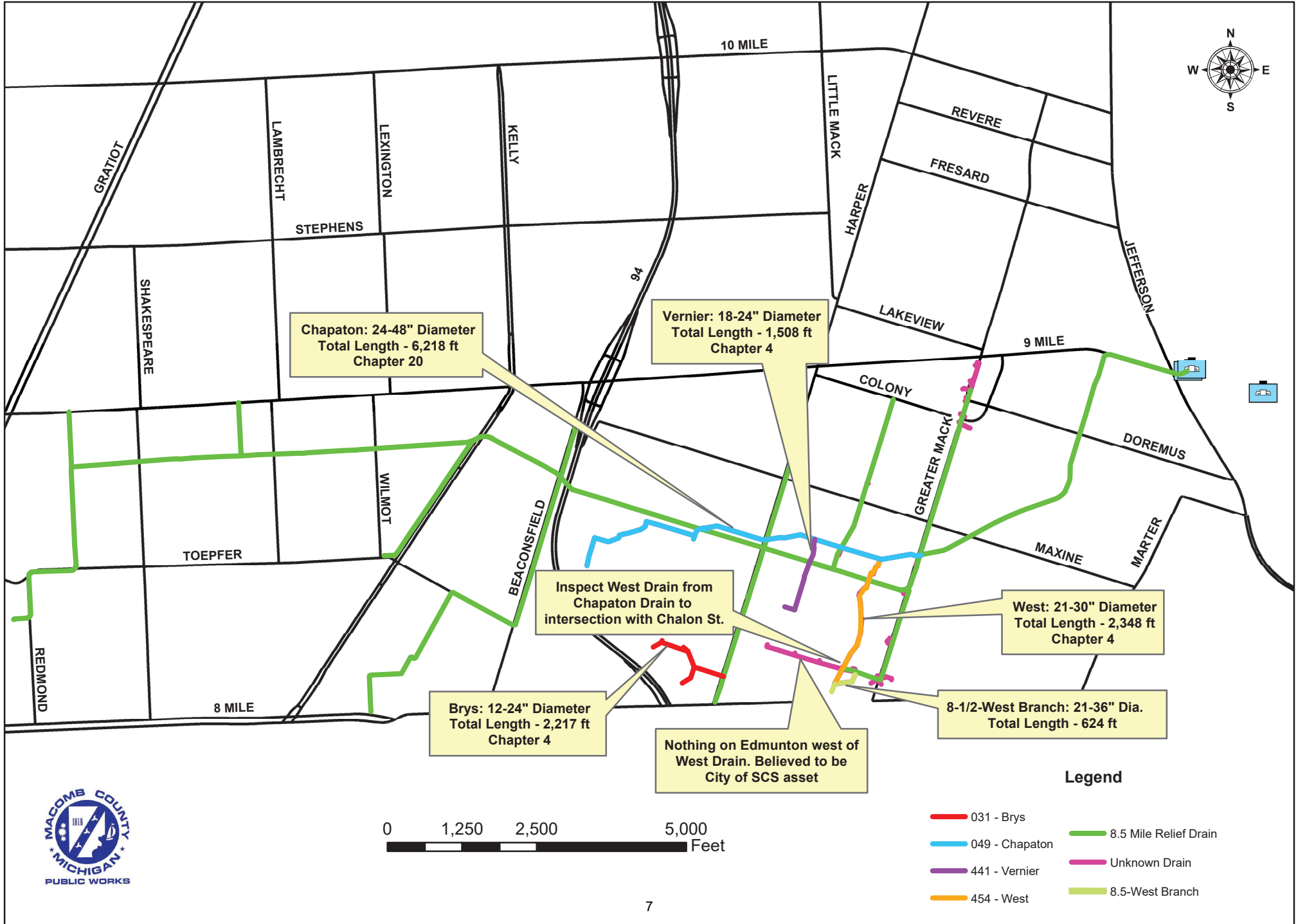
A key portion of this project is utilizing SewerAI, a web-based platform used by MCPWO for storing, managing, and in certain cases, automatically scoring the pipe inspection footage using SewerAI’s proprietary AutoCode feature. As part of this inspection program MCPWO has mandated that the Contractor utilize SewerAI to upload the CCTV footage directly from the field. This arrangement is intended to save time (and subsequently cost) in two ways. First, the camera operator does not have to perform the PACP (Pipeline Assessment Certification Program) scoring and can televise more pipe per day. Second, MCPWO will have the footage same-day with no time lost to in-office data processing, exchanging hard drives, or reviewing the PACP reports for accuracy. In an additional effort to keep costs down, MCPWO will be self-performing project oversight (another advantage of the SewerAI approach) and will manage the project out of the Chapaton Pump Station offices located in St. Clair Shores.

Lastly, the project consists of unit price work and many of the pipes are in an unknown condition specifically in regard to sediment levels. It is the expectation that this inspection program will be the basis for a future pipe repair program through these same districts. Any emergency repairs will be addressed as soon as they are discovered.

**MCPWO staff is recommending to award the contract to Taplin Group, LLC in the total base bid amount of \$127,850.69 to perform the work associated with the 2024 Southeast Macomb Storm Inspections.**

Attachment: Bid Tabulation dated 09-26-24  
 Taplin Bid dated 09-26-24  
 Project Map

# 2024 Southeast Macomb Storm Sewer Inspection



**Legend**

<span style="color: red;">—</span> 031 - Brys	<span style="color: green;">—</span> 8.5 Mile Relief Drain
<span style="color: blue;">—</span> 049 - Chapaton	<span style="color: pink;">—</span> Unknown Drain
<span style="color: purple;">—</span> 441 - Vernier	<span style="color: lightgreen;">—</span> 8.5-West Branch
<span style="color: orange;">—</span> 454 - West	

**TAPLIN**

**GROUP, LLC**

Environmental Services

**PREPARED BY**

Taplin Group  
5140 W Michigan Ave  
Kalamazoo, MI 49006

**PREPARED FOR**  
MCPWO

23001 E 9 Mile Rd  
St. Clair Shores, MI 48080

# QUOTE



Quote/Bid ID:  
SouthEast Macomb  
Storm Sewer Inspections

Date:  
9/26/2024

5140 West Michigan Avenue Kalamazoo, MI 49006

September 25, 2024

Steve Wagner, PE  
Engineer II  
21777 Dunham Road  
Clinton Township, MI 49036

Re: Bid Proposal – 2024 Southeast Macomb Storm Sewer Inspections  
MCPWO Project Number: WWS-2024-004

Dear Mr. Wagner,

The attached bid form and accompanying documents are submitted in response to your Request for Bids (RFB): 2024 Southeast Macomb Storm Sewer Inspections (MCPWO Project Number: WWS-2024-004).

We understand that the County is seeking pricing for the cleaning and video inspection of designated storm sewers within the Chapter 4 and Chapter 20 drainage districts, covering a total of 12,915 linear feet with diameters ranging from 12 inches to 48 inches.

Following our site visit, we recognize that various sections will necessitate the use of easement equipment and traffic control measures to facilitate these operations. Our pricing reflects this requirement.

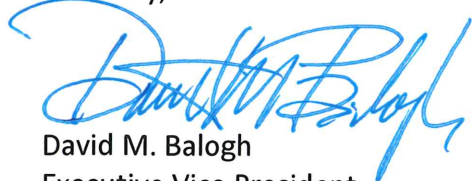
We confirm the receipt of Addendum #1, dated September 25, 2024.

Additionally, we have reviewed the contract agreement and find no exceptions to any of the terms and conditions.

Please feel free to reach out to me with any questions after you have had an opportunity to review our proposal.

I am best reached via my cell phone at 313.695.1047.

Sincerely,



David M. Balogh  
Executive Vice President

# BID FORM

**Project:** SE Macomb Storm Sewer Inspections

**Project No.:** WWS-2024-004

**Bid Location:** Chapaton Pump Station  
23001 E. Nine Mile Road  
St. Clair Shores, MI 48080

**Bid Date & Time:** 9/26/2024 @ 2:00pm



ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	BID AMOUNT
1	Mobilization (5% Max.)	1	LS	\$2,564.09	\$2,564.09
2	Traffic Control	1	LS	\$2,448.91	\$2,448.91
3	Structure Modifications (as-needed)	5	EA	\$6,799.00	\$33,995.00
4	Restoration	1	LS	\$1,300.00	\$1,300.00
5	Heavy Cleaning	2,500	LF	\$4.55	\$11,375.00
6	Permit Allowance	10,000	DLR	\$1.00	\$10,000.00
7	Brys Drain - Clean and CCTV Televis (12"-24")	2,217	LF	\$3.13	\$6,939.21
8	Chapaton Drain - Clean and CCTV Televis (24"-48")	6,218	LF	\$6.56	\$40,790.08
9	8.5 Mile West Branch - Clean and CCTV Televis (21"-36")	624	LF	\$5.07	\$3,163.68
10	Vernier Drain - Clean and CCTV Televis (18"-24")	1,508	LF	\$4.01	\$6,047.08
11	West Drain - Clean and CCTV Televis (21"-30")	2,348	LF	\$3.93	\$9,227.64
<b>TOTAL BASE BID AMOUNT (Items 1-11):</b>				<b>\$127,850.69</b>	
	Time of Completion (Calendar Days from Agreement Date)	*	Days	30	Days

\* Bidder to Complete

**ADDENDUM # 1**  
**09/25/2024****2024 Southeast Macomb Storm Sewer Inspections**  
St. Clair Shores, Michigan

Project No. WWS-2024-004

To all bidders: This ADDENDUM to the Bidding Documents is issued to you by the OWNER for the Project described above.

The following changes and/or clarifications shall be incorporated in the Bidding Documents of the Project and the cost, all inclusive, thereof shall be included in the associated amount shown on each Bidder's Proposal:

Item 1 - Bidder Questions and Owner Responses are noted below.

- Q1.** Please clarify that water will need to be obtained from the DPW or local hydrants.
- A1.** *The Contractor shall be responsible to provide their own water necessary to complete the work. Water can either be brought to the sites by the Contractor or a permit may be obtained from the City of St. Clair Shores to use water from city-owned hydrants. In either instance, the Owner shall not be responsible for these water costs.*
- Q2.** Will bulkheads remain in the pipe or will they require removal? If so, are they incidental to Item #5 – Heavy Cleaning
- A2.** *Any existing intentionally installed bulkheads (consisting of brick, block, mortar, etc.) that are encountered within the pipe or storm structures and are blocking a pipe reach to be inspected are not required to be removed. These shall be brought to the Owner's attention if they are encountered.*
- Q3.** Item 5 – Heavy Cleaning 2.C. – The 25% debris requirement: Is this cumulative for the segment or at any given location in the pipe?
- A3.** *The 25% measurement shall only apply to portions of the pipe exceeding this condition. Pipe segments may be paid as a combination of Item 5 and Items 7-11 if the debris level is not consistent through the segment.*
- Q4.** Will the contractor have access to a place to stage roll off boxes and equipment?
- A4.** *The basin deck at the Chapaton Pump Station facility (located at 23001 E. Nine Mile Road, St. Clair Shores, MI 48080) shall be available for the equipment described above.*

Item 2 – Clarification

Refer to plan sheet C-02 - Chapaton Storm Drain. Approximately 383 LF of storm sewer from 8RD-MH-C-16 through 8RD-MH-C-20 was replaced with concrete pipe in August 2024. The pipes and manholes are free of sediment and debris. The inspection of the new pipes is still required as part of this project and will be paid for as Item 8.

**END OF SECTION 00 91 13**

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# BID TABULATION

**Candice S. Miller**  
Public Works Commissioner  
Macomb County



Project: SE Macomb Storm Sewer Inspections

Project No. WWS-2024-004

Bid Location: Chapaton Pump Station  
23001 E. Nine Mile Road  
St. Clair Shores, MI 48080

Bid Date & Time: 9/26/2024 @ 2:00pm

ITEM NO.	ITEM	QTY	UNIT	Doetsch Environmental Services		Duke's		Taplin Group, LLC	
				UNIT PRICE	BID AMOUNT	UNIT PRICE	BID AMOUNT	UNIT PRICE	BID AMOUNT
				21221 Mullin Warren, MI 48089 Joe Schotthoefer, 810.499.9233 joe@doetschenv.com		440 E. Airport Road, Suite E Elgin, IL 60123 Valerie Kielp, 708.574.4995 bids@dukes.com		5140 W. Michigan Ave Kalamazoo, MI 49006 Dave Balogh, 313.695.1047 davebalogh@taplinholdings.com	
1	Mobilization (5% Max.)	1	LS	\$12,000.00	\$12,000.00	\$12,500.00	\$12,500.00	\$2,564.09	\$2,564.09
2	Traffic Control	1	LS	\$2,500.00	\$2,500.00	\$12,500.00	\$12,500.00	\$2,448.91	\$2,448.91
3	Structure Modifications (as-needed)	5	EA	\$9,500.00	\$47,500.00	\$5,000.00	\$25,000.00	\$6,799.00	\$33,995.00
4	Restoration	1	LS	\$1.00	\$1.00	\$2,226.94	\$2,226.94	\$1,300.00	\$1,300.00
5	Heavy Cleaning	2,500	LF	\$1.00	\$2,500.00	\$10.38	\$25,950.00	\$4.55	\$11,375.00
6	Permit Allowance	10,000	DLR	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
7	Brys Drain - Clean and CCTV Televis (12"-24")	2,217	LF	\$16.00	\$35,472.00	\$7.09	\$15,718.53	\$3.13	\$6,939.21
8	Chapaton Drain - Clean and CCTV Televis (24"-48")	6,218	LF	\$27.00	\$167,886.00	\$14.18	\$88,171.24	\$6.56	\$40,790.08
9	8.5 Mile West Branch - Clean and CCTV Televis (21"-36")	624	LF	\$18.00	\$11,232.00	\$14.18	\$8,848.32	\$5.07	\$3,163.68
10	Vernier Drain - Clean and CCTV Televis (18"-24")	1,508	LF	\$18.00	\$27,144.00	\$8.51	\$12,833.08	\$4.01	\$6,047.08
11	West Drain - Clean and CCTV Televis (21"-30")	2,348	LF	\$18.00	\$42,264.00	\$14.18	\$33,294.64	\$3.93	\$9,227.64
<b>TOTAL BASE BID AMOUNT (Items 1-11):</b>					<b>\$358,499.00</b>		<b>\$247,042.75</b>		<b>\$127,850.69</b>
	Time of Completion (Calendar Days from Agreement Date)	*	Days	40	Days	60	Days	30	Days

\* Bidder to Complete

\*\* Condition noted in Doetsch cover letter that this line item does not apply to this proposal

**YTD Trial Balance**

**Fund: Chapaton**

**As of Fiscal Period: Oct 1, 2023-Sept 30, 2024**

	<b>O&amp;M Balance 9/30/2023</b>	<b>O&amp;M</b>	<b>Total 9/30/2024</b>
<b>Cash - Operating</b>	1,504	97	1,601
<b>Accounts Receivable</b>			0
<b>Assets</b>			0
<b>Liabilities</b>			0
<b>Revenues</b>		339	339
<b>Expenditures</b>		242	242
<b>Encumbrance</b>			
<b>Equity</b>	1,504		1,601