

Miller  
Santo  
VanSyckel

MACOMB INTERCEPTOR DRAIN  
INTRA-COUNTY DRAINAGE BOARD  
MAY 13, 2024  
10:30 A.M.  
AGENDA

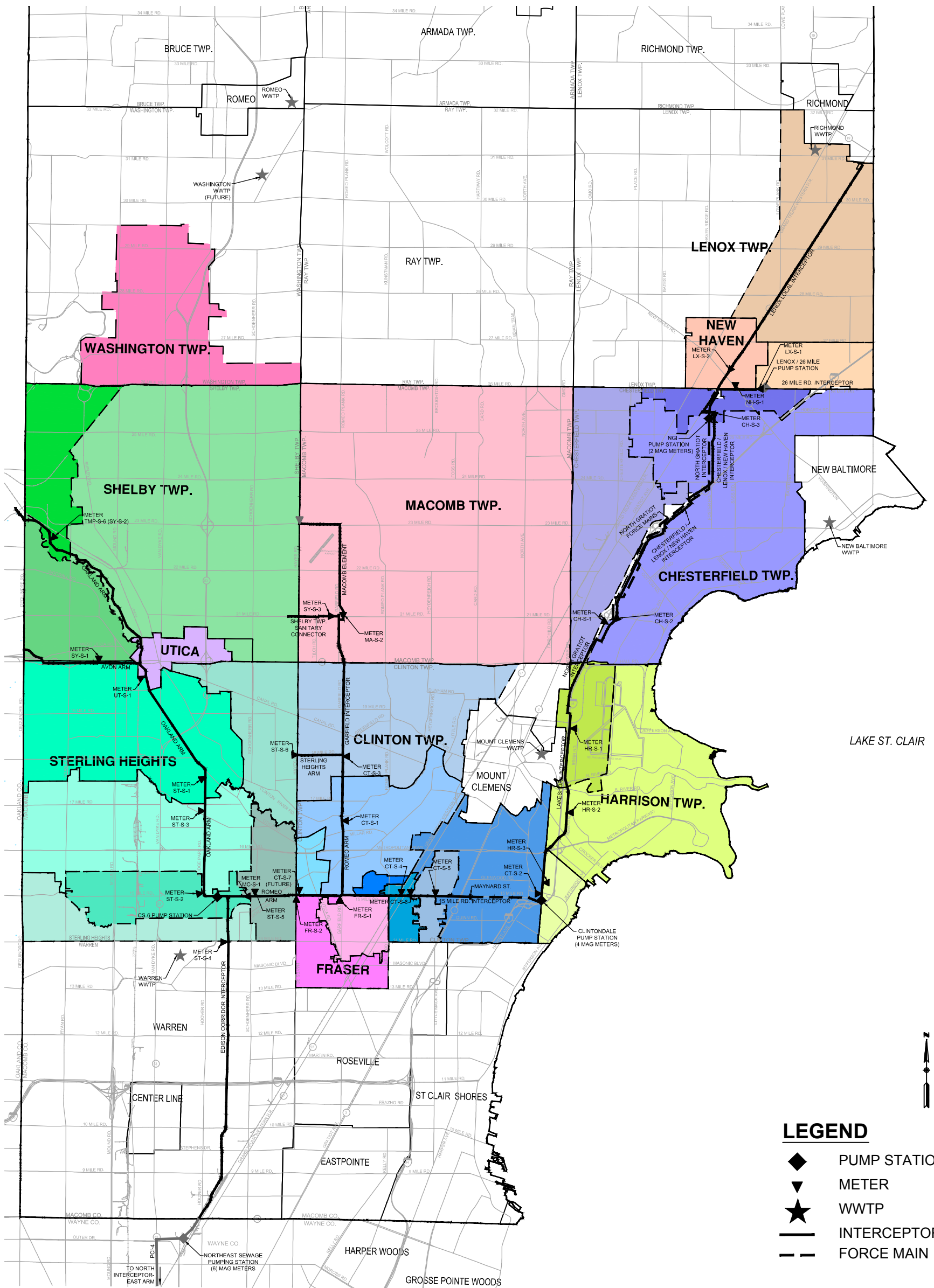
**NOTE: THIS MEETING WILL BE HELD IN PERSON WITH TELECONFERENCE  
OPTION FOR PUBLIC**

**Call in Number: 1-681-999-0141  
Passcode: 408305**

**Teams Meeting ID: 262 828 758 218  
Passcode: GuHCi4**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for May 13, 2024	
3. Approval of Minutes for April 8, 2024	3
4. Public Participation	
5. Project Updates – Stephen Downing/Vince Astorino	7
6. Consideration for approval of invoices (see attached)	27
7. Financial Report – Bruce Manning	29
8. Adjourn	

# MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT



## LEGEND

- ◆ PUMP STATION
- ▼ METER
- ★ WWTP
- INTERCEPTOR
- - - FORCE MAIN



**Candice S. Miller**

MACOMB COUNTY PUBLIC WORKS COMMISSIONER

frch

UPDATED: FEBRUARY 2017

An adjourned meeting of the Intra-County Drainage Board for the **MACOMB INTERCEPTOR DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham Clinton Township, Michigan on April 8, 2024, at 11:00 A.M.

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

PRESENT VIA TELECONFERENCE: Sterling Heights DPW

ALSO PRESENT: Vince Astorino, Operations & Flow Manager; Brian Baker, Chief Deputy; Stephen Downing, Construction and Maintenance Manager; Norb Franz, Communications Manager; Bruce Manning, Finance Manager; Pam Sonnenberg, Administrative Assistant; Tom Stockel, Construction Supervisor, Sylvia Grot, Board of Commissioners; Chuck Bellmore, Assistant Superintendent Water & Sewer Clinton Township

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

Adopted: YEAS: 3  
NAYS: 0

Minutes of the meeting of March 11, 2024, were presented. A motion was made by Mr. VanSyckel, 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 on Segment 5. Production is increasing on the installation of HOBAS. The contractor has completed spray lining of the 8-foot section and is working on spray lining manhole #6. They have started grouting the HOBAS today for run #3, run #1 and #2 are complete. They are working diligently to move off Fontana as soon as possible. They are making their way to Moravian. He presented photos of the contractor installing the HOBAS. We have not had many recent complaints from residents.

Mr. Downing then presented on Segment 6 Rehabilitation. As of Friday, we have completed the heavy debris cleaning. We continue to monitor the pipe for movement of the slurry. We have a planned inspection tomorrow, and Doetsch has submitted a plan for jetting operations if needed. He presented photos of the work being done.

Mr. Downing said there is no new updates on Phase II Grouting this month.

Mr. Downing said that we are still making great progress on the Odor and Corrosion Facilities. The NGI PS site has remained on since March 5, 2024 and data shows that the system is reducing H2S in the system. Clintondale PS carbon unit delivery is expected in May 2024. 21 Mile Road and Garfield is still making good progress. The backfill has been completed, as well as the spray lining on the steel

casing for the FAD line. The underground utility work, water, and gas service has started. The remainder of the carbon media at this site and the Fraser site is expected to be delivered in late April or early May. He showed photos of the different bio-filter site work.

Mr. Astorino updated on the drone with a comparison video of the new drone footage versus traditional CCTV footage.

A motion was made by Mr. Santo, supported by Mr. VanSyckel to receive and file the project updates.

Adopted: YEAS: 3  
NAYS: 0

Ms. Miller presented the 2024 report to the MIDD community. We have sent copies of the report to the 11 MIDD communities.

A motion was made by Mr. VanSyckel, supported by Mr. Santo to receive and file the MIDD Report.

Adopted: YEAS: 3  
NAYS: 0

Mr. Baker presented the 2024/2025 MIDD Budget. The total charges are going up less than 3% this year. Ms. Miller noted that under the previous administration, costs went up 10%-15% every year, now they are less than 3%. There is an upcoming OMID bond sale for the 2 Odor and Corrosion facilities in Sterling Heights and that is budgeted and is scheduled in July. There is no new MIDD debt. The budget also includes 2 new MIDD projects. The communities in the MIDD will be receiving a \$2.3 million refund from GLWA as a credit from the pending Highland Park settlement. Mr. Bellmore asked how our office would handle the Mt. Clemens district billings. Mr. Baker said that we are billing Clinton Township and it is included in the budget.

A motion was made by Mr. Santo, supported by Mr. VanSyckel to approve the 2024/2025 Macomb Interceptor Drainage District (MIDD) budget and charges.

Adopted: YEAS: 3  
NAYS: 0

Mr. Astorino presented on the design proposal for the North Gratiot Phase 5 Lining project. The North Gratiot Interceptor was built first and is the only segment that is all concrete pipe and it is severely degraded and requires lining. This portion is a little over 2,000 feet along Gratiot between New Haven Road and 26 Mile Road that we plan to CIPP (Cured-in-Place-Pipe) line. We have reached out to HRC to provide a proposal for the project.

A motion was made by Mr. VanSyckel, supported by Mr. Santo to approve the design proposal from Hubbell, Roth, & Clark Inc. for a not-to-exceed amount of \$87,470 for the North Gratiot Phase 5 Lining project.

Adopted: YEAS: 3  
NAYS: 0

Mr. Downing presented a Segment 6 Ric Man work change directive. This change order includes the reinforcement of the geo-polymer spray lining of CS-2 and CS-3 and the addition of transitional tapers with geo-polymer spray-lining from HOBAS to the concrete pipe in the 15 Mile Road Interceptor.

A motion was made by Mr. Santo, supported by Mr. VanSyckel to approve Change Order #4 to the Segment 6 Ric-Man Construction contract for \$343,080.20 and extend the contract times by 37 calendar days.

Adopted: YEAS: 3  
NAYS: 0

Mr. Downing updated on the payment from the insurance carrier for the Segment 6 HOBAS Damage Builder's Risk Claim. The carrier approved the full amount of the HOBAS repairs, full amount of HOBAS Engineering, and 20% on top of that which is what they consider additional expediting costs. The total approved claim is \$678,555.64, less the \$100,000 deductible for a total of \$578,555.64.

A motion was made by Mr. VanSyckel, supported by Mr. Santo to receive and file the Segment 6 Builder's Risk Claim Summary and authorize insurance proceed payments of \$383,816.46 to Ric-Man Construction and \$269,739.18 to FK Engineering.

Adopted: YEAS: 3  
NAYS: 0

Ms. Miller stated that the Insurance Policy Renewal details had been presented previously by Mr. Saph during the Eight- and One-Half Mile meeting.

A motion was made by Mr. Santo, supported by Mr. VanSyckel to approve the Chapter 20 General Liability Insurance coverage renewal with Argonaut Insurance Company in the amount of \$241,911 (MIDD share \$198,850,84).

Adopted: YEAS: 3  
NAYS: 0

The Chair presented the invoices totaling \$6,212,909.36 to the board for review and approval.

A motion was made by Mr. VanSyckel, supported by Mr. Santo to approve the invoices 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. VanSyckel, supported by Mr. Santo that the meeting of the Macomb Interceptor Drain Board be adjourned.

Adopted: YEAS: 3  
NAYS: 0

The meeting was adjourned at 11:46 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 taken by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on April 8, 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: 4/08/24



**Candice S. Miller**

Public Works Commissioner  
Macomb County

To: Macomb Interceptor Drain Drainage District Board Members

CC: File

From: Stephen Downing, Construction & Maintenance Manager  
Vincent Astorino, Operations Director

Date: May 13, 2024

Subject: Construction Projects Status Updates for May 2024 Board Meeting

The following provides a status update for construction work performed within the Macomb Interceptor Drain Drainage District for the previous month.

### **Segment 5 Rehabilitation**

**Contractor:** Oscar Renda

**Engineering Consultant:** FK Engineering

#### **Project Description:**

The Segment 5 reach of the Romeo Arm Interceptor is approximately 8,300 linear feet; it runs along 15 Mile Road starting at the ITC Corridor and extends east to approximately Hayes Road. The first 7,000 linear feet is 11-foot diameter non-reinforced concrete pipe, and the next 1,300 linear feet is 8-foot diameter steel reinforced concrete pipe. The rehabilitation consists of debris removal, cleaning, and inspection of the pipe's invert. Next, HOBAS pipe will be used to slip line 7,000 linear feet of the 11-foot diameter sewer and the 1,300 linear feet section of 8-foot diameter pipe will be coated with a corrosion resistant geo-polymer spray applied coating. To facilitate this work, a new control structure and access shaft is under construction in the ITC Corridor. The new control structure will provide the contractor access to the sewer to facilitate the work and will also serve as a dewatering pump station to draw down the upstream water level in the sewer.

The project started in September 2020 and is scheduled to be completed in October 2024 based on the March 2024 schedule update.

**Significant project tasks that have occurred over the past month:**

1. Continued development, review, and approval of the required construction submittals.
2. Ground dewatering well maintenance and monitoring.
  - o The groundwater has rebound to its native elevation. We continue to monitor the drop pipes and structure for infiltration. The wells will remain available for installation of pumps until the completion of the project.
3. CS-12 Pump Station and Control structure status, which includes:
  - o MCPWO personnel continue the operation of the pump station and make adjustments to maximize the efficiency of the pump station for the Contractor to perform their work.
  - o The Contractor is performing the regular pump station maintenance during construction.
  - o Pump #2 Update
    - The Owner is working with the Builder’s Risk Insurance Carrier’s adjuster on this claim.
    - The replacement pump is expected to arrive the first week of June.
  - o Monitoring an issue with the east wet-well level sensor and intermittent pump float trips.
4. Sediment and Debris Removal
  - o No update this month
5. Manhole Rehab & Spray-Lining
  - o Completed the final section at the HOBAS transition
6. HOBAS Pipe Slip-Lining & Grouting of Annulus
  - o HOBAS installation started on February 10, 2024.
  - o A total of 191 sections (approximately 3,820-feet) of pipe have been installed through May 7, 2024.
  - o Grouting of Run #1 from MH-06 to MH-05 is completed.
  - o Grouting of Run #2 from MH-05 to MH-04 completed.
  - o Grouting of Run #3 from MH-04 to MH-03 is ongoing – Currently on Lift #4
7. Weather & Maintenance
  - o There were a couple disruptions to work in the Interceptor during the month due to wet-weather and maintenance.

**Construction Costs:**

	Date	
Original Contract Amount	10/21/2020	\$28,807,500.00
Current Contract Amount	4/30/2024	\$35,433,572.23
Total Spent to Date	4/30/2024	\$31,021,011.60
Remaining Budget	4/30/2024	\$4,447,635.47





*Figure 1 – CS-12 Pump Station, Construction Yard*

**OFFICE LOCATION:** 21777 Dunham Road, Clinton Township, Michigan 48036 • Phone: 586-469-5325 • Fax: 586-469-5933  
**ENGINEERING** • Phone: 586-469-5910 • Fax: 586-469-7693 ♦ **SOIL EROSION** • Phone: 586-469-5327 • Fax 586-307-8264





*Figure 2 – Hoisting HOBAS Pipe into CS-12 (daily operation for while slip-lining)*



*Figure 3 – Grout Injection into Annular Space*





*Figure 4 – Spray-Lining at Transition to HOBAS*



*Figure 5 – Spray-Lining at MH-06*

## Segment 6 Rehabilitation

**Contractor:** Ric-Man Construction

**Engineering Consultant:** FK Engineering

### **Project Description:**

The Segment 6 Rehab project includes the rehabilitation of these main elements:

1. Cleaning and slip-lining (Hobas) of the 5-foot diameter 15 Mile Interceptor from MH-01 at Garfield Road and 15 Mile to MH-04 approximately 2200 feet east along 15 Mile.
2. Cleaning and slip-lining (Hobas) the 1400 linear feet 11-foot diameter Romeo Arm Interceptor sewer between CS-3 on 15 Mile Road and CS-2 on Garfield north of 15 Mile Road.
3. Rehabilitation of the Meter Facility FR-S-1 on Garfield south of 15 Mile Road.
4. Rehabilitation and spray-lining of the CS-2 and CS-3 control structure facilities. These concrete structures have been damaged by H2S damage over time and need repair.
5. Installation of an air-jumper to be incorporated into the existing Biofilter facility. This is being done to address the high level of odor issues that have resulted over the years from the intersection of 15 Mile and Garfield.
6. Installation of a new gate control structure on the 15 Mile Interceptor. This will allow for the rehabilitation of the MH-01 structure and provide future storage options within that interceptor.

The project started in September 2021 and is scheduled to be completed in August 2024 based on the March 2024 schedule update.

### **Significant project tasks that have occurred over the past month:**

1. The Contractor continues to develop and submit the required submittals to the Engineer.
2. Continued the debris/sediment removal between CS-2 and CS-3.
  - o Completed the debris removal from CS-3 to the mid-point of the RAI curve.
  - o Contractor implemented mechanical means of cleaning debris removal from CS-2 to just downstream of the 15-Mile Interceptor tap. This material accumulated while the downstream section of pipe was being cleaned.
    - The mechanical means of cleaning has been very effective, despite limited days available in the Interceptor.
3. The project has been impacted several times due to wet-weather this month.

### **Construction Costs:**

	Date (if applicable)	
Original Contract Amount	5/1/2021	\$13,541,545.00
Change Order No. 1	8/1/2021	\$132,664.70
Total Contract Amount	4/30/2024	\$13,674,209.70
Total Spent to Date	4/30/2024	\$11,805,124.83
Remaining Budget	4/30/2024	\$1,869,084.87





*Figure 6 – Lowering Skid-Steer into Interceptor at CS-2*





Figure 7 – Lowering Skid-Steer into Interceptor at CS-2





*Figure 8 – Skid-Steer in the Interceptor*



*Figure 9 – RAI Post-Cleaning*



## Phase II Grouting

**Contractor:** Doetsch Environmental Services, Inc.

**Engineering Consultant:** AEW

### **Project Description:**

The Phase II Grouting project was awarded to Doetsch Environmental during summer 2020. The work includes chemical grouting of the sewer and manholes where infiltration is present. The work is planned in all reaches of the system not included in the Segment 5 or portion of the Romeo Arm rehabilitated during the 2016 Interceptor Collapse. The main areas of work include the Romeo Arm along Garfield Road between 15 Mile and Clinton River Roads, the Garfield Interceptor between Clinton River and 21 Mile Roads, and the Lakeshore Interceptor between the Clintondale Pump Station at 15 Mile and Union Lake and Joy Boulevard in Harrison Township. The chemical grouting is aimed to stop all active infiltration within the system in advance of future rehabilitation and maintenance projects.

### **Significant project tasks that have occurred over the past month:**

1. The critical area grouting is complete, grouting operations will resume in non-critical areas when daily flow control operations allow.

### **Construction Costs:**

	Date	
Original Contract Amount	6/24/2020	\$3,000,000.00
Change Order No. 1	3/14/2022	\$3,000,000.00
Current Contract Amount	4/30/2024	\$6,000,000.00
Total Spent to Date	4/30/2024	\$4,432,736.20
Remaining Budget	4/30/2024	\$1,567,263.80

## Odor & Corrosion Control Facilities

Contractor: L. D'Agostini & Sons

Engineering Consultant: Tetra Tech

Project Description:

The Macomb Interceptor Drain completed a system-wide odor and corrosion study to evaluate the need for additional odor and corrosion control facilities to mitigate corrosion induced degradation of the interceptor and nuisance odors emitting from the interceptor near homes, businesses and public spaces. This effort is concentrated on extending the useful life of the interceptor and reducing nuisance odors emitting from the interceptor.

The study identified the need to construct three new odor and corrosion control facilities. Additionally, it was determined that the existing open-bed woodchip media type Fraser Bio-Filter would be more efficient and effective if converted to an enclosed bio-filter with an engineered media. The locations of the new facilities were determined through analysis and computer modeling using data that was collected in the field during the study phase. The facilities are intended to complement one another to reduce hydrogen sulfide induced corrosion.

The facilities are summarized in the Table below:

Facility	Location	Filter Type	Media Type
Fraser	15 Mile & Garfield	Bio-Filter	Engineered
Macomb Township	21 Mile & Garfield	Bio-Filter	Engineered
Clintondale PS	Union Lake & Sorrentino	Carbon Filter	Carbon
NGI Pump Station	Gratiot & Concordia	Chemical Injection	Calcium Nitrate

The construction contract was awarded to L. D'Agostini & Sons in October of 2022 and the contractual Notice to Proceed was issued with an effective date of December 2, 2022. The number of days to achieve substantial completion is 630 days, resulting in a contractually required substantial completion date of August 23, 2024.

The construction work commenced in January of 2023 and is estimated to be completed by August of 2024. The estimated schedule for each site is summarized in the table below:

Facility	Location	Start Date	Finish Date
Fraser	15 Mile & Garfield	March – 2023	April – 2024
Macomb Township	21 Mile & Garfield	April – 2023	August – 2024
Clintondale Pump Station	Union Lake & Sorrentino	September – 2023	May – 2024
NGI Pump Station	Gratiot & Concordia	January – 2023	April – 2024

\*The dates are based on the Construction schedule March 2024 update.

Significant project tasks that have occurred over the past month:

1. The Contractor is developing and submitting the required submittals to the Engineer & Owner for review.
2. NGI PS Site:
  - a. The Owner training was held on April 16, 2024.
3. Clintondale PS Site:
  - a. The carbon unit delivery is expected in May 2024.
4. 21 Mile & Garfield Site
  - a. Completed the application of the protective coating in the media chamber.
  - b. The carbon media delivery started on May 9, 2024.
  - c. Started underground utility work; water & gas service.
  - d. The masonry work for the utility building started this month.
  - e. The pre-cast hollow-core roof beams for the media chamber were delivered
    - i. The beams were fabricated too short; a resolution is being developed.
5. Fraser Site
  - a. The balance of the carbon media was delivered and placed in the media chamber the week of May 6, 2024.
  - b. The existing backflow preventor for water service at the site was replaced by the Owner.
  - c. The Contractor is preparing for initial start-up and commissioning, including coordination with the manufacturer and design engineer.
  - d. The Contractor completed replacement of the asphalt paving.

Construction Costs:

	Date	
Original Contract Amount	12/2/2022	\$11,799,678.78
Change Order No. 1	9/9/2023	\$283,792.72
Current Contract Amount	4/30/2024	\$12,083,471.50
Total Spent to Date	4/30/2024	\$8,920,586.06
Remaining Budget	4/30/2024	\$3,162,885.44



*Figure 10 – Aerial View of the Macomb Bio-Filter – Masonry Work Underway*





*Figure 11 – Aerial View of the Maccomb Twp. Bio-Filter*





*Figure 12 – Carbon Media Delivery at Macomb Twp. Site*





*Figure 13 – Macomb Township Masonry Work for Utility Building*





*Figure 14 – Asphalt Replacement at Fraser Bio-Filter*

MACOMB INTERCEPTOR DRAINAGE DISTRICT  
04/16/24 - 05/07/24

<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>
<b>Macomb Interceptor Drain</b>	Chapter 20						
	Chesterfield – 7.4416%						
	Clinton – 20.9117%						
	Fraser – 4.2007%						
	Harrison – 6.2625%						
	Lenox – 1.1700%						
	Macomb – 14.1489%						
	New Haven – 0.8391%						
	Shelby – 9.7883%						
	Sterling Heights – 30.8805%						
	Utica – 1.6392%						
	Washington – 2.7176%						
		Downing	Anderson, Eckstein & Westrick	\$ 2,165.40	Invoice #145825 - 09.06.23	MIDD Grouting Program	\$ 198,721.75
		Astorino	Aquasight	\$ 99,586.00	Invoice #00858 - 05.03.24	ACE - Annual Fee May 2024 - April 2025	
		Astorino	City of Mt. Clemens	\$ 52,695.78	Invoice #28006893 - 02.27.24	Monthly Sewage - January 2024	
		Astorino	City of Mt. Clemens	\$ 66,472.59	Invoice #28006907 - 04.01.24	Monthly Sewage - February 2024	
		Astorino	City of Mt. Clemens	\$ 55,202.18	Invoice #0028006948 - 04.30.24	Monthly Sewage - March 2024	
		Downing	Colville Electric	\$ 1,165.47	Invoice #24214 - 04.28.24	Pressure Transducer - Segment 5	
		Astorino	Department of Roads	\$ 1,355.05	Invoice #302672 - 02.12.24	Fleet Fuel - January 2024	
		Downing	DTE Energy	\$ 2,978.73	Invoice #24-250 - 04.02.24	Monthly Electric - 03.02.24 - 04.02.24 (CS 12)	
		Astorino	Fishbeck	\$ 2,570.00	Invoice #435916 - 04.17.24	Wastewater Master Plan through 04.12.24	\$ 180,671.17
		Astorino	Fishbeck	\$ 587.00	Invoice #435874 - 04.17.24	As-Needed Engineering through 04.12.24	\$ 161,157.96
		Downing	FK Engineering	\$ 23,875.47	Invoice #20-058-045 - 03.20.24	Segment 6 CCA through 03.16.24	\$ (468,327.89)
		Downing	FK Engineering	\$ 174,871.21	Invoice #20-152-039 - 03.20.24	Segment 5 CCA through 03.16.24	\$ (1,373,566.93)
	Downing	FK Engineering	\$ 25,253.55	Invoice #23-158-006 - 04.15.24	Drop Shaft Rehabilitation through 04.13.24	\$ 372,061.22	
	Astorino	Kienbaum Hardy Viviano Pelton	\$ 1,102.50	Invoice #50941 - 04.01.24	General Matters - March 2024		
	Downing	L. D'Agostini	\$ 642,641.72	Invoice #App14 - 04.19.24	Odor and Corrosion through 04.19.24	\$ 3,162,885.44	
	Astorino	Nickel & Saph	\$ 198,850.84	Invoice #23293 - 04.08.24	Liability Insurance Renewal		
	Downing	NTH Consultants	\$ 576.00	Invoice #635679 - 04.22.24	Drop Shaft Warranty Inspection		
	Downing	Oscar Renda	\$ 924,300.00	Invoice #Est44 - 04.29.24	Romeo Arm Segment 5 Linging through 04.30.24	\$ 4,447,635.74	
	Astorino	People Driven Technology	\$ 2,147.85	Invoice #INV11064 - 04.10.24	SCADA As-Needed		
	Downing	Ric-Man	\$ 67,077.00	Invoice # App30 - 04.24.24	Segment 6 Rehabilitation through 04.20.24	\$ 1,869,084.87	
	Downing	Ric-Man	\$ 383,816.46	Invoice #240410 - 04.10.24	Segment 6 Builders Risk Claim		
	Downing	Tetra Tech	\$ 40,985.35	Invoice #52222497 - 04.04.24	Odor and Corrosion CCA through 03.29.24	\$ 450,632.34	
	Astorino	Verizon	\$ 1,891.20	Invoice #9959921099 - 03.23.24	Monthly Cellular - 02.24.23 - 03.23.24 (Eq. Fund)		
	Astorino	Verizon	\$ 783.14	Invoice #9959921099 - 03.23.24	Monthly Cellular - 02.24.23 - 03.23.24		

MACOMB INTERCEPTOR DRAINAGE DISTRICT  
04/16/24 - 05/07/24

<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>
<u>CPS</u>		Astorino	Clinton Township	\$ 2,508.97	Invoice #24-239 - 04.01.24	Monthly Water - March 2024	
		Astorino	Clinton Township	\$ 2,644.89	Invoice #24-300 - 04.29.24	Monthly Water - April 2024	
		Astorino	Crane 1	\$ 1,133.00	Invoice #I22-17027 - 03.28.24	Annual Crane Inspection	
		Astorino	Cummins	\$ 2,102.29	Invoice #S6-23356 - 03.27.24	Generator Repair	
		Astorino	DTE Energy	\$ 24,760.97	Invoice #24-246 - 04.03.24	Monthly Electric - 03.04.24 - 04.01.24	
		Astorino	Grainger	\$ 642.16	Invoice #9080996292 - 04.10.24	Supplies	
		Astorino	Metco	\$ 1,470.00	Invoice #2206B-10 - 02.01.24	Electrical Room Upgrades CCA	\$ 74,692.46
		Astorino	Metco	\$ 3,719.13	Invoice #2206B-11 - 04.01.24	Electrical Room Upgrades CCA	\$ 70,320.96
<u>METERS</u>		Astorino	ADS Environmental Services	\$ 10,540.00	Invoice #35414-0621A - 07.24.21	Site Calibrations	
		Astorino	Grainger	\$ 592.87	Invoice #9091837162 - 04.19.24	1/2 HP GP Motor	
		Astorino	Grainger	\$ 592.87	Invoice #9091837154 - 04.19.24	1/2 HP GP Motor	
		Astorino	Grainger	\$ 1,446.12	Invoice #9079771920 - 04.09.24	Batteries	
		Astorino	Hesco	\$ 13,825.00	Invoice #App13 - 04.10.24	Meter Maintenance through 03.31.24	\$ 307,337.72
		Astorino	Novalynx	\$ 1,634.24	Invoice #60206 - 02.14.24	Rain Gauge	
<u>NGI</u>		Astorino	DTE Energy	\$ 1,735.30	Invoice #24-255 - 04.02.24	Monthly Electric - 03.01.24 - 04.01.24	
<u>OMID</u>		Downing	Oakland County	\$ 4,471,317.83	Invoice #CI037951 - 04.30.24	Sewer Disposal - April 2024	
<u>SCADA</u>		Astorino	Verizon	\$ 1,143.56	Invoice #9959921099 - 03.23.24	Monthly Cellular - 02.24.23 - 03.23.24	
<b>Total</b>				\$ 7,314,759.69			

**Budget to Actual**  
**MIDDD**  
**As of April, 2024 = 83%**

DESCRIPTION	2024 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
<b>REVENUE ACCOUNTS</b>					
GLWA-OMID	49,276,790		41,067,600	8,209,190	83.3%
OMID O&M	4,379,020		3,649,183	729,837	83.3%
Settlement	100,000			100,000	0.0%
Reimbursements	150,000		123,280	26,720	82.2%
PY Revenue-Fund Balance	20,907,890			20,907,890	0.0%
Reimb-Local Communities	17,717,200		14,764,333	2,952,867	83.3%
State Grant-ARPA Seg 5 & 6	-		18,617,076	-	0.0%
COVID Grant	345,630		585,895	(240,265)	0.0%
Interest	400,000		1,074,296	(674,296)	268.6%
<i>Total Revenue Accounts</i>	93,276,530	-	79,881,664	32,011,942	85.6%
<b>EXPENSE ACCOUNTS</b>					
GLWA-OMID	49,276,790		41,067,600	8,209,190	83.3%
OMID O&M	4,379,020		3,649,183	729,837	83.3%
Public Works Wastewater Disposal Division	1,984,020		5,774	1,978,246	0.3%
Office Operations/Insurance	406,450		121,503	284,947	29.9%
SCADA	117,260		63,070	54,190	53.8%
<b>Engineering</b>					
Replenish reserve from CPS refunding	618,680			618,680	0.0%
As Needed Engineering	200,000		66,776	133,224	33.4%
Annual Meter Dye Testing	50,000		26,581	23,419	53.2%
Data Review-Aquasight	100,000			100,000	0.0%
Odor and Corrosion Construction/CCA	811,040		1,953,248	(1,142,208)	240.8%
Covid Testing 2023-Grant Funded	340,630		585,895	(245,265)	172.0%
General Construction/Engineering Contingency-All projects	2,650,000		26,417	2,623,583	1.0%
SY-S-1, SY-S-2, & WA-S-1 Meter Const Admin/Rehab	75,000			75,000	0.0%
Level Sensors/Pressure/H2S-Meters	261,200			261,200	0.0%
2023 Drop Shaft Rehab Design, Construction, & CCA	2,400,000		134,463	2,265,537	5.6%
Odor and Control-Construction	8,333,780		3,890,465	4,443,315	46.7%
Segment 6 Construction Administration (ARPA)			1,749,716	(1,749,716)	
Segment 6 Construction/CCA (ARPA)			3,880,203	(3,880,203)	
Segment 5 Construction Admin (ARPA)			1,037,428	(1,037,428)	
Segment 5 Construction (ARPA)			11,949,729	(11,949,729)	
Legal Services	75,000		1,510	73,490	2.0%
Clintondale PS O&M	786,890		605,910	180,980	77.0%
NGI O&M	88,500		55,582	32,918	62.8%
Meters O&M	189,400		139,225	50,175	73.5%
Control Structures and Pump Station O&M	178,930		17,020	161,910	9.5%
Biofilter O&M	19,800		1,449	18,351	7.3%
Contribution Life Cycle Reserve	184,300			184,300	0.0%
Interceptor O&M	18,614,210		695,368	17,918,842	3.7%
Stormwater Pump Stations	50,000		41,667	8,333	83.3%
Sewage Disposal Charges - Mt. Clemens	410,000		318,133	91,867	77.6%
Debt Service - Revenue Bonds	675,630		563,025	112,605	83.3%
<i>Total Expense Accounts</i>	93,276,530	-	72,646,940	20,629,590	77.9%

	O&M Balance 6/30/2023	O&M	Total 4/30/2024
<b>Cash - Operating</b>	59,727,429	7,234,724	66,962,153
<b>Accounts Receivable</b>			0
<b>Assets</b>			0
<b>Liabilities</b>			0
<b>Revenues</b>		79,881,664	79,881,664
<b>Expenditures</b>		72,646,940	72,646,940
			0
<b>Equity*</b>	59,727,429		66,962,153

**Detail of 2023 Equity\***

Reserve at 6/30/2023	20,862,516	PLC Equipment Replacement	100,000
Life Cycle Reserve	1,237,460	Improvement to Hydraulic Cylinder	120,333
General Construction/Engineering Contingency-All projects	450,000	Grouting	3,926,770
SY-S-1, SY-S-2, & WA-S-1 Meter Const Admin/Rehab	75,000	Interceptor Inspections	1,714,481
Level Sensors/Pressure/H2S-Meters	256,230	Intercept Clean/Sediment Removal	3,550,000
Drop Shaft Rehab Design	2,400,000	Segment 5	14,064,063
Odor and Corrosion Construction/CCA	7,803,213	Segment 6	3,003,560
CPS Electrical Room AC	63,803	Drain Valve For Force Main	100,000