

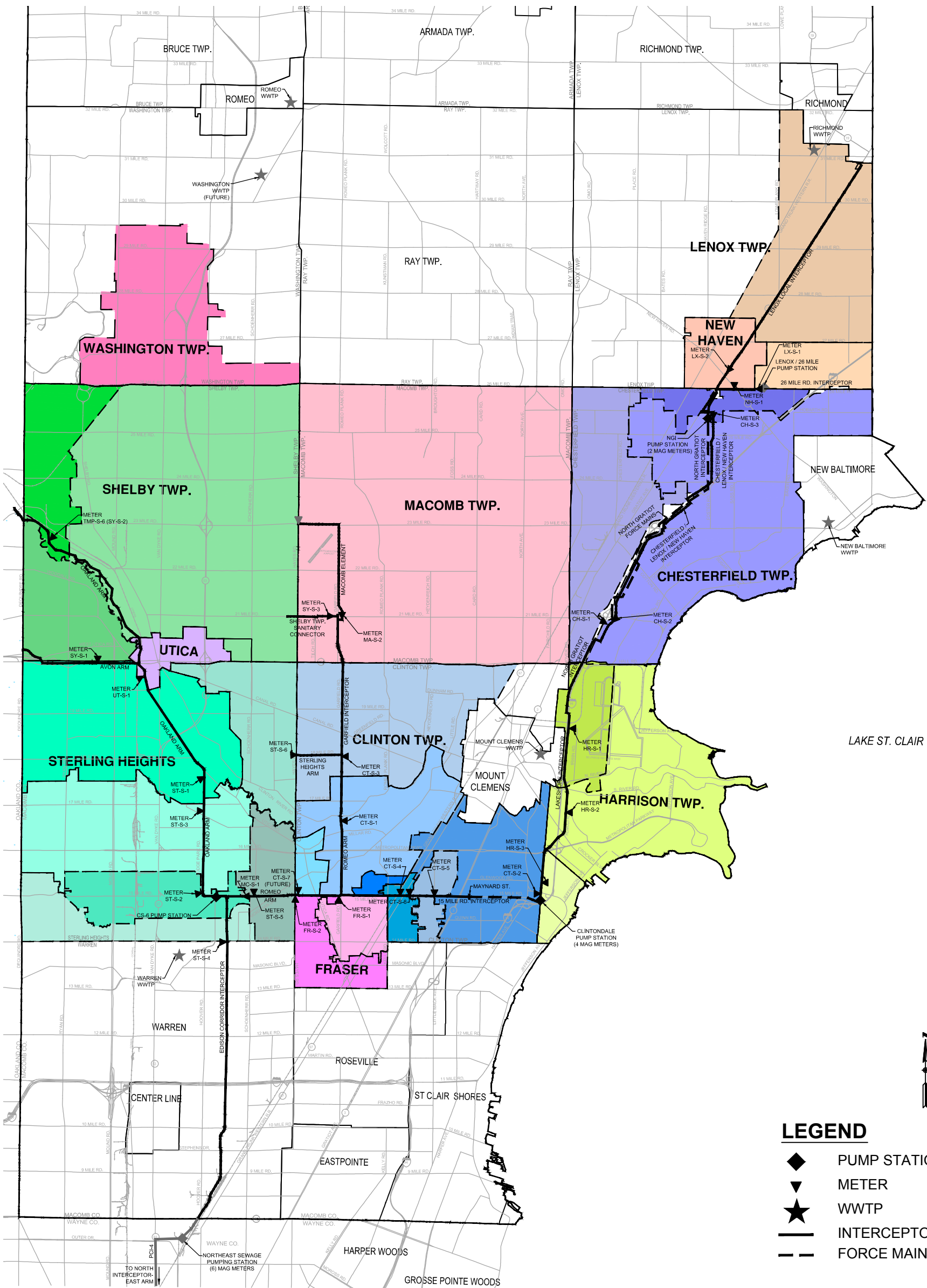
MACOMB INTERCEPTOR DRAIN
INTRA-COUNTY DRAINAGE BOARD
FEBRUARY 12, 2024
10:45 A.M.
AGENDA

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

**Call in Number: 1-470-499-2258
Access Code: 415 487 641**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for February 12, 2024	
3. Approval of Minutes for January 8, 2024	3
4. Public Participation	
5. Project Updates – Stephen Downing/Vince Astorino	6
6. Odor & Corrosion Project - Construction Contract Administration – Change Order #4 - Stephen Downing	27
Motion: To approve Change Order #4 for the not to exceed amount of \$54,000 with Tetra Tech, Inc. for additional construction contract administration services	
7. Dye-Dilution Testing Services - Change Order - Vince Astorino	31
Motion: To approve the Change Order #3 for \$50,000 to the Applied Sciences, Inc. Dye-Dilution Testing Contract.	
8. Consideration for approval of invoices (see attached)	33
9. Financial Report – Bruce Manning	35
10. 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 January 8, 2024, at 10:41 A.M.

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

ALSO PRESENT: Daniel Acciavatti, Deputy Government Relations; Vince Astorino, Operations & Flow Manager; Brian Baker, Chief Deputy; Stephen Downing, Construction and Maintenance Manager; Norb Franz, Communications Manager; Bruce Manning, Finance Manager; Pamela Sonnenberg, Administrative Assistant; Sarah Lucido, 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 December 11, 2023, 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. Downing updated on Segment 5. We have finished the heavy debris cleaning. The total amount of debris removed was approximately 5,300 tons. Since the debris removal, the contractor did a sewer walk of the pipe and there were no major issues. We found one area of infiltration that we had seen as a dripper that had evolved into a gusher. We will get that taken care of, other than that, there are no major issues. There was some pipe carrier testing done with HOBAS pipe. Mr. Downing said they are preparing to clean the pipe this week and it should take a week. Once it is clean, they will begin slip lining.

Mr. Downing then presented on Segment 6 Rehabilitation. Contractors worked over the holidays. He showed photos of debris and said that there is a substantial completion date of May. In regard to the Builders Risk claim, we are pushing the insurance carrier to get us an answer. We have submitted an all-in cost and we believe it should all be covered.

Mr. Astorino updated on the 2023 Interceptor Inspection Program. The work in the field is all complete. No new update.

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 Fraser site is getting prepared for start-up next week. There is still a shortage of media that we are

waiting on. The 21 Mile and Garfield site is still in progress. They are still on target for their original substantial completion date of August.

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

Adopted: YEAS: 3
NAYS: 0

Mr. Astorino presented on the as-needed engineering services from Fishbeck. Fishbeck is utilized for the OMIDDD flow metering work group, GLWA assistance, NGI Pump Station analysis, SCADA graphic development, Garfield lining as-builts, Clinton Twp-Mt. Clemens flow analysis, and Nexgen development for new construction projects.

A motion was made by Mr. VanSyckel, supported by Mr. Santo to approve change Order #1 for \$100,000 to the Fishbeck as-needed engineering services contract.

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$1,756,605.91 to the board for review and approval.

A motion was made by Mr. Santo, supported by Mr. VanSyckel 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. VanSyckel and supported by Mr. Santo.

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 Macomb Interceptor Drain Board be adjourned.

Adopted: YEAS: 3
NAYS: 0

The meeting was adjourned at 11:00 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 January 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.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

DATED: 1/8/24



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: February 12, 2024

Subject: Construction Projects Status Updates for February 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 January 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.
4. Sediment and Debris Removal
 - o A minor amount of sediment and debris accumulated during the month of January requiring a couple of days to re-clean segments along the alignment.
5. Manhole Rehab & Spray-Lining
 - o No activity this month.
6. HOBAS Pipe Slip-Lining
 - o The Contractor completed a successful dry-run around the curve upstream of CS-12 with their pipe carrier and a 20-foot section of HOBAS to MH-04.
 - o HOBAS installation will start on February 9, 2024.
7. Weather & Maintenance
 - o There were multiple disruptions to work in the Interceptor during the month due to wet-weather, snow melt, and extreme cold weather.

Construction Costs:

	Date	
Original Contract Amount	10/21/2020	\$28,807,500.00
Current Contract Amount	1/31/2024	\$35,433,572.23
Total Spent to Date	1/31/2024	\$28,519,018.36
Remaining Budget	1/31/2024	\$6,949,628.98



Figure 1 – CS-12 Pump Station, Construction Yard



Figure 2 – Pipe Carrier Testing with HOBAS



Figure 3 – Pipe Carrier Testing with HOBAS



Figure 4 – Pipe Carrier Testing with HOBAS



Figure 5 – Pipe Carrier Testing with HOBAS Pipe



Figure 6 – Pipe Carrier Testing with HOBAS



Figure 7 – Pipe Carrier Testing with HOBAS



Figure 8 – RAI Curve Facing CS-12

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 July 2024 based on the February 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 Approximately 1,180 linear feet of pipe cleaned as of 2-7-2024
3. The project has been severely impacted due to wet-weather, snow melt, and severe cold 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	1/31/2024	\$13,674,209.70
Total Spent to Date	1/31/2024	\$11,576,850.33
Remaining Budget	1/31/2024	\$2,097,359.37



Figure 9 – Aerial View at CS-3 of Debris Removal Equipment



Figure 10 – MH-10 Ventilation and CSE Entry for Cleaning Operations

2023 Interceptor Inspection Program

Contractor: Taplin

Engineering Consultant: NTH

Project Description:

The 2023 sewer inspection program was awarded to Taplin in March 2023. The inspection program includes inspection of approximately 24 miles of sanitary sewer ranging from 2-feet to 12-feet in diameter and 152 manholes across the MIDDD and 8.5 Mile Districts.

As part of the MIDDD inspection, sonar and laser scanning will be performed within the interceptors. This data will be used to not only correlate laser scan data to the 2017 inspection, but the sonar data will be used to develop design drawings to remove the sediment within the MIDDD interceptors.

The inspection interval for the entire system is based on a 3-year cycle, where non-reinforced concrete pipe is inspected every 3 years and reinforced concrete pipe is inspected every 6 years.

Significant project tasks that have occurred over the past month:

1. Inspections are complete and data is being submitted and reviewed.
2. Inspection footage has been brought into SewerAI and MCPWO is reviewing to develop the final punch list and CIP from defects found.

Construction Costs:

	Date (if applicable)	
Original Contract Amount	4/10/23	\$591,319.40
Total Spent to Date	Through Pay App #4	\$523,099.15
Remaining Budget	2/2/24	\$68,220.25

***This Table reflects the MIDDD costs only.**

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	11/30/2023	\$6,000,000.00
Total Spent to Date	11/30/2023	\$4,432,736.20
Remaining Budget	11/30/2023	\$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	March – 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	March – 2024

*The dates are based on the Construction schedule January 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 site restoration is completed
 - b. Chemical storage were delivered
 - c. The piping for the tanks was completed this month
 - d. Preparing for initial start-up and commissioning
3. Clintondale PS Site:
 - a. The carbon unit delivery is expected in May 2024
 - b. Working on duct-work in the screening building
 - c. Working on electrical conduit in the screening building
4. 21 Mile & Garfield Site
 - a. Completed construction of the foundations for the bio-filter chamber
 - b. Constructed the four walls for the media chamber
5. Fraser Site
 - a. Completed installation of the FAD.
 - b. Completed backfill at FAD line.
 - c. Preparing for initial start-up and commissioning.

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	1/31/2024	\$12,083,471.50
Total Spent to Date	1/31/2024	\$7,546,385.83
Remaining Budget	1/31/2024	\$4,537,085.67



Figure 11 – Fraser Biofilter



Figure 12 – Fraser Bio-Filter Access



Figure 13 – Macomb Township Bio-Filter Media Chamber



Figure 14 – Macomb Township Bio-Filter Media Chamber



Candice S. Miller

Public Works Commissioner
Macomb County

To: Macomb Interceptor Drain Drainage District Board Members

From: Stephen Downing, Construction & Maintenance Manager

Date: February 12, 2024

Subject: Odor & Corrosion – Tetra Tech Change Order No. 4 - Additional CCA

The initial construction schedule for this project indicated a completion of all major tasks in May 2024, allowing the CCA onsite representative to transition to 3-days per week during the final startup and commissioning phase of the project. Tetra Tech provided a CCA proposal to reflect this which was included in Change Order No. 2. In light of the differing site condition encountered at the 21 Mile and Garfield site the schedule for this work shifted beyond the originally projected May 2024 completion. As such, Tetra Tech requires additional CCA budget to maintain full-time observation on the site.

Tetra Tech prepared a proposal for the additional construction contract administration (CCA) services to continue to provide a full-time observer on site. The proposal is a not-to-exceed amount of \$54,000 which will extend Tetra Tech to the contractually required dates, if necessary. The current project schedule indicates a final completion date in July 2024, which is prior to the contractually required final completion in September 2024.

The action is that the Board approve the proposal from Tetra Tech for the total not-to-exceed amount of \$54,000 to provide additional construction contract administration services as outlined in their proposal.

Attachments: Tetra Tech CCA Proposal
Tetra Tech Change Order No. 4

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

Date of Issuance:	2/8/2024	Effective Date:	2/12/2024
Owner:	Macomb Interceptor Drain Drainage District and North Gratiot Interceptor Drain Drainage District	Owner's Contract No.:	WWS-2021-003 – Design Phase WWS-2022-001 – Construction Phase
Consultant:	Tetra Tech of Michigan, PC	Contract Name:	MIDDD Odor & Corrosion Improvements

The Contract is modified as follows upon execution of this Change Order:

Provide additional CCA services as described in the Tetra Tech proposal dated January 17, 2024. (attached).

The original Contract Sum was: \$ 798,950.00

The net change from previously approved Change Orders: \$ N/A

The Contract Sum prior to this Change Order: \$ 1,813,435.00

The Contract Sum prior to this Change Order will be increased by: \$ 54,000.00

The new Contract Sum, including this Change Order, will be: \$ 1,867,435.00

The Contract Time will be changed by: 0 (days)

The date of Substantial Completion as of the date of this Change Order, therefore, is: N/A

ACCEPTED:

ACCEPTED:

By: _____
Owner (Authorized Signature)

By: _____
Engineer (Authorized Signature)

Title Board Chairperson / Drain Commissioner

Title _____

Date _____

Date _____



January 17, 2024

Mr. Stephen Downing, PE
Macomb County Public Works Office
21777 Dunham Road
Clinton Township, MI 48036

**RE: MIDDD Odor & Corrosion Improvements
Construction Engineering Services
Resident Engineering Amendment**

Dear Mr. Downing:

Tetra Tech has appreciated the opportunity to complete design, bidding and construction services for MIDDD Odor & Corrosion Project. The construction contract calls for the work to be completed in September.

The original construction administration budget assumed that in January 2024, resident observation would transition to part time. However, the Contractor is still working full time and Macomb County Public Works Office has requested Tetra Tech to continue full time throughout the contract duration. Thus, an amendment will be needed to cover the additional time.

SCOPE OF SERVICES

1. Provide a Resident Project Representative (RPR) to observe the work. We have assumed an additional 450 hours and some of this may be overtime. Daily observations will be documented in written reports and photographs.

COMPENSATION

Compensation will be based on our standard hourly rates. We propose a budget of \$54,000 for the work described in this proposal. We invoice on an hourly basis and if the Contractor completes early, fewer hours will be needed.

EXECUTION

We assume that the Macomb Interceptor Drain Drainage District will issue an amendment to our existing contract for these services.



Once again, thank you for the opportunity to serve on this important project.

Sincerely,

A handwritten signature in black ink that reads 'Brian M. Rubel'.

Brian M. Rubel, PE
Vice President



Candice S. Miller

Public Works Commissioner
Macomb County

To: Macomb Interceptor Drain Drainage District Board Members

CC: FILE

From: Vincent Astorino, Operations Director

Date: February 12, 2024

Subject: Change Order #3 Approval Request for Dye-Dilution Testing Services – Applied Science, Inc.

The 2017/2018 Macomb Interceptor Drain Drainage District (MIDDD) budget allocated \$100,000 for Dye-Dilution Testing Services. A competitive bid was issued on MITN for consultants to submit a Statement of Qualifications and Rate Schedule, only one bid was received. The Board approved the recommendation to award Applied Science, Inc., with a budget of \$100,000.

In December, 2017 the MIDDD entered into an agreement with Applied Science, Inc. Since that time, Applied Science, Inc. has successfully provided the requested Dye-Dilution Testing at MIDDD facilities. Dye-Dilution Testing is a means of verifying community billing meters. These tests ensure that each flow meter in the MIDDD is reporting accurate flow rates and volumes.

The MIDDD has approved two (2) previous change orders for this contract, listed below.

Change Order No.	Date	Amount
1	December 2020	\$ 100,000
2	April 2022	\$ 50,000

MCPWO is requesting to execute Change Order #3 which will allocate \$50,000 in additional funds to the ASI contract. These funds have been budgeted within the MIDDD 23/24 budget. This will extend their services through the next fiscal year and handle the routine dye-dilution testing at the billing sites.

A draft copy of this change order has been attached for reference. On behalf of the MCPWO Engineering staff please approve this request to allocate **\$50,000** as **Change Order No. 3** to the Applied Science, Inc. Dye-Dilution Testing contract.

Attachments: Draft Change Order No. 3

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

		Change Order	03
Date of Issuance:	2/12/24	Effective Date:	2/12/24
Owner:	MIDDD	Owner's Contract No.:	WWS-2018-003
Engineer:	Applied Science Inc.	Project No.:	
Project:	Dye-Dilution Testing	Contract Name:	

The Contract is modified as follows upon execution of this Change Order: Add 50,000 to existing contract to provide dye-dilution testing services at the direction of MCPWO Engineering staff.

The original Contract Sum was: \$ 100,000.00

The net change from previously approved Change Orders 1-2: \$ 150,000.00

The Contract Sum prior to this Change Order: \$ 250,000.00

The Contract Sum prior to this Change Order will be increased by: \$ 50,000.00

The new Contract Sum, including this Change Order, will be: \$ 300,000.00

The Contract Time will be unchanged by: 0 (days)

The date of Substantial Completion as of the date of this Change Order, therefore, is: N/A

ACCEPTED:

By: _____
Owner (Authorized Signature)

ACCEPTED:

By: _____
Engineer (Authorized Signature)

Title _____

Title _____

Date _____

Date _____

MACOMB INTERCEPTOR DRAINAGE DISTRICT
01/16/24 - 02/06/24

<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>	
Macomb Interceptor Drain	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%							
			Tanghe	County of Macomb	\$ 40,296.00	Invoice #Bc048 - Lumma	New Vehicle Purchase - #23-636 - K. Lumma	
			Astorino	DTE Energy	\$ 2,286.27	Invoice #24-043 - 01.04.24	Monthly Electric - 12.02.23-01.03.24 - CS12	
			Astorino	Hesco	\$ 1,137.60	Invoice #232049 - 12.31.23	Sampler Parts - Covid Monitoring	
			Astorino	Applied Science	\$ 26,580.50	Invoice #8608 - 01.17.24	Dye Dilution Testing through 12.31.23	\$ 4,880.50
			Astorino	Aquasight	\$ 18,153.00	Invoice #826 - 01.05.24	Noro/RSV Testing - Grant	\$ 631,461.00
			Astorino	Aquasight	\$ 100,043.00	Invoice #835 - 02.01.24	Covid 19 Monitoring - January 2024 - Grant	\$ 531,418.00
			Astorino	City of Mt. Clemens	\$ 48,488.09	Invoice #28006881 - 01.25.24	Monthly Sewage - December 2023	
			Downing	Colville Electric	\$ 7,004.09	Invoice #23655 - 12.30.23	Odor and Corrosion (LDS to Reimburse)	
			Astorino	EJ USA	\$ 5,123.50	Invoice #110230024009 - 04.18.23	Manhole Covers	
			Astorino	EJ USA	\$ 1,155.60	Invoice #110230024193 - 04.18.23	Manhole Covers	
			Astorino	Fishbeck	\$ 635.00	Invoice #432804 - 01.24.24	Wastewater Master Plan through 01.19.24	\$ 185,956.17
			Astorino	Fishbeck	\$ 3,184.00	Invoice #432810 - 01.24.24	2020 Inspection Program through 01.19.24	\$ 7,808.63
			Astorino	Fishbeck	\$ 1,225.00	Invoice #432805 - 01.24.24	GLWA Engineering Assistance through 01.19.24	
			Downing	FK Engineering	\$ 55,709.53	Invoice #20-058-043 - 01.15.24	Segment 6 CCA - 12.10.23 - 01.13.24	\$ (345,896.25)
			Downing	FK Engineering	\$ 99,718.88	Invoice #20-152-037 - 01.15.24	Segment 5 CCA - 12.10.23 - 01.13.24	\$ (1,137,887.85)
			Astorino	FK Engineering	\$ 11,505.72	Invoice #23-158-003 - 01.15.24	Drop Shaft Rehabilitation - 12-10.23 - 01.13.24	\$ 463,018.97
			Astorino	Kienbaum Hardy Viviano Pelton	\$ 922.50	Invoice #50479 - 01.01.24	SewerAI Agreement - December 2023	
			Downing	L. D'Agostini	\$ 300,093.72	Invoice #WWS-2022-001App11 - 01.31.24	Odor and Corrosion through 01.18.24	\$ 4,537,085.67
			Astorino	Metco	\$ 863.85	Invoice #2206A-11 - 02.01.24	Flow Control Assistance through 01.28.24	\$ 76,162.46
			Astorino	NTH Consultants	\$ 22,646.59	Invoice #634844 - 01.05.24	2023 Interceptor Inspection through 12.15.23	\$ 5,972.89
		Downing	Oscar Renda Contracting	\$ 162,289.00	Invoice #WWS-2020-007App40 - 01.08.24	Romeo Arm Segment 5 Lining through 12.31.23	\$ 7,133,520.48	
		Downing	Oscar Renda Contracting	\$ 165,502.35	Invoice #WWS-2020-007App41 - 01.29.24	Romeo Arm Segment 5 Lining through 01.31.23	\$ 6,949,628.98	
		Downing	Ric-Man Contracting	\$ 442,705.50	Invoice #WWS-2021-002 - 12.20.23	Segment 6 Rehabilitation through 12.20.23	\$ 2,293,164.37	
		Downing	Ric-Man Contracting	\$ 176,224.50	Invoice #WWS-2021-002App28 - 01.22.24	Segment 6 Rehabilitation through 01.20.24	\$ 2,097,359.37	
		Astorino	SewerAI	\$ 24,000.00	Invoice #12232-1 - 12.31.23	Sewer Assessment Software		
		Astorino	Taplin Group	\$ 112,980.98	Invoice #App 4 - 02.01.24	2023 Interceptor Inspection through 01.17.24	\$ 119,261.93	
		Downing	Tetra-Tech	\$ 35,845.16	Invoice #52184601 - 01.12.24	Odor and Corrosion CCA through 12.29.23	\$ 510,727.43	
		Astorino	Verizon	\$ 2,287.63	Invoice #9952505274 - 12.23.23	Monthly Cellular - 11.24.23 - 12.23.23 (Eq. Fund)		
		Astorino	Verizon	\$ 786.91	Invoice #9952505274 - 12.23.23	Monthly Cellular - 11.24.23 - 12.23.23		

MACOMB INTERCEPTOR DRAINAGE DISTRICT
01/16/24 - 02/06/24

<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	\$ 2,673.00	Invoice #24-031 - 01.03.24	Monthly Water - December 2023	\$ 77,026.31
		Astorino	De-Cal	\$ 2,101.20	Invoice #WO90023091-4 - 01.02.24	HVAC 4th Quarter Maintenance	
		Manning	Huntington	\$ 500.00	Invoice #54848 - 09.01.23	Annual Bond Administration Fee - 2020 Bond	
		Astorino	Metco	\$ 1,687.24	Invoice #2206C-03 - 01.03.24	Technical Assistance Pump #4	
		Astorino	De-Cal, Inc.	\$ 4,336.90	Invoice #WO9232868 - 01.12.24	HVAC Maintenance	
		Astorino	DTE Energy	\$ 25,141.29	Invoice #24-081 - 01.03.24	Monthly Electric - 12.04.23 - 01.03.24	
		Manning	Huntington Bank	\$ 500.00	Invoice #56556 - 12.01.23	Annual Bond Administration Fee	
		Astorino	Master Mechanical Insulation	\$ 9,200.00	Invoice #19639- 01.04.24	Plug Valve Insulation	
<u>METERS</u>		Astorino	Colville Electric	\$ 4,557.88	Invoice #23651 - 12.30.23	CS-5 Meter Cabinet Repairs	
		Astorino	Colville Electric	\$ 1,185.60	Invoice #23706 - 12.30.23	Reinstalled Rain Guage Near Clinton River Spillway	
<u>NGI</u>		Astorino	DTE Energy	\$ 1,513.98	Invoice #24-038 - 01.03.24	Monthly Electric - 12.01.23 - 12.29.23	
		Astorino	National Industrial Maintenance	\$ 2,205.00	Invoice #46734 - 12.13.23	Jet Vac	
<u>OMID</u>		Downing	Oakland County Treasurer	\$ 4,471,317.83	Invoice #CI029871 - 11.30.23	Sewer Disposal - December 2023	
		Downing	Oakland County Treasurer	\$ 4,471,317.83	Invoice #CI033333 - 01.31.24	Sewer Disposal - January 2024	
<u>SCADA</u>		Astorino	Verizon	\$ 1,074.41	Invoice #9952505274 - 12.23.23	Monthly Cellular - 11.24.23 - 12.23.23	
Total				\$ 10,868,706.63			

Budget to Actual
MIDDD
As of Jan 31, 2024 = 58%

DESCRIPTION	2024 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
GLWA-OMID	49,276,790		28,747,710	20,529,080	58.3%
OMID O&M	4,379,020		2,554,428	1,824,592	58.3%
Settlement	100,000			100,000	0.0%
Reimbursements	150,000		112,007	37,993	74.7%
PY Revenue-Fund Balance	20,907,890			20,907,890	0.0%
Reimb-Local Communities	17,717,200		10,335,033	7,382,167	58.3%
State Grant-ARPA Seg 5 & 6	-		16,056,192	-	0.0%
COVID Grant	345,630		314,562	31,068	0.0%
Interest	400,000		52,238	347,762	13.1%
<i>Total Revenue Accounts</i>	93,276,530	-	58,172,171	51,160,551	62.4%
EXPENSE ACCOUNTS					
GLWA-OMID	49,276,790		28,747,710	20,529,080	58.3%
OMID O&M	4,379,020		2,554,428	1,824,592	58.3%
Public Works Wastewater Disposal Division	1,984,020		5,774	1,978,246	0.3%
Office Operations/Insurance	406,450		82,572	323,878	20.3%
SCADA	117,260		47,885	69,375	40.8%
Engineering					
Replenish reserve from CPS refunding	618,680			618,680	0.0%
As Needed Engineering	200,000		45,241	154,759	22.6%
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		1,796,995	(985,955)	221.6%
Covid Testing 2023-Grant Funded	340,630		314,562	26,068	92.3%
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		68,183	2,331,817	2.8%
Odor and Control-Construction	8,333,780		3,531,474	4,802,306	42.4%
Segment 6 Construction Administration (ARPA)			1,230,166	(1,230,166)	
Segment 6 Construction/CCA (ARPA)			3,565,297	(3,565,297)	
Segment 5 Construction Admin (ARPA)			748,787	(748,787)	
Segment 5 Construction (ARPA)			10,511,942	(10,511,942)	
Legal Services	75,000		1,510	73,490	2.0%
Clintondale PS O&M	786,890		487,454	299,436	61.9%
NGI O&M	88,500		38,353	50,147	43.3%
Meters O&M	189,400		135,049	54,351	71.3%
Control Structures and Pump Station O&M	178,930		7,935	170,995	4.4%
Biofilter O&M	19,800		922	18,878	4.7%
Contribution Life Cycle Reserve	184,300			184,300	0.0%
Interceptor O&M	18,614,210		556,205	18,058,005	3.0%
Stormwater Pump Stations	50,000		29,167	20,833	58.3%
Sewage Disposal Charges - Mt. Clemens	410,000		150,477	259,523	36.7%
Debt Service - Revenue Bonds	675,630		394,118	281,513	58.3%
<i>Total Expense Accounts</i>	93,276,530	-	55,105,204	38,171,326	59.1%

	O&M Balance 6/30/2023	O&M	Total 1/31/2024
Cash - Operating	59,727,429	3,066,967	62,794,396
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		58,172,171	58,172,171
Expenditures		55,105,204	55,105,204
			0
Equity*	59,727,429		62,794,396

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