

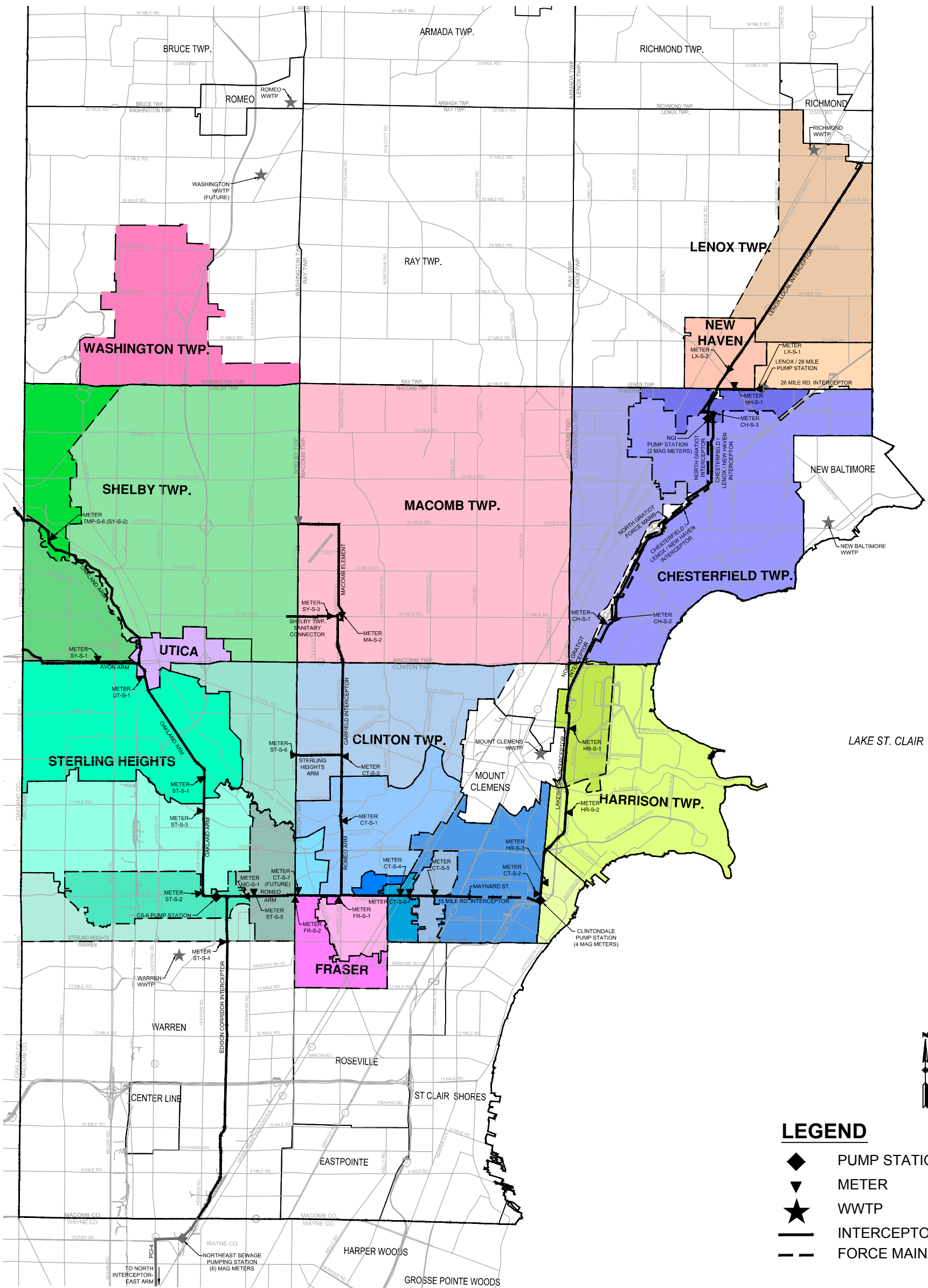
MACOMB INTERCEPTOR DRAIN  
INTRA-COUNTY DRAINAGE BOARD  
OCTOBER 18, 2021  
10:45 A.M.  
AGENDA

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

**Call in Number: 1-262-404-7425  
Access Code: 306 814 485**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for October 18, 2021	3
3. Approval of Minutes for September 13, 2021	
4. Public Participation	
5. Project Updates – Stephen Downing	6
6. M-59/Garfield Property Sale Offer – Brian Baker	19
Motion: To approve the basic terms of this offer, subject to MIDDD’s attorney Ben Aloia and Commissioner Miller working with the purchaser to finalize the details of a favorable Purchase Agreement for Commissioner Miller’s execution, and to close the transaction.	
7. Consideration for approval of invoices (see attached)	22
8. Financial Report – Bruce Manning	24
9. Adjourn	

# MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT



**Candice S. Miller**

MACOMB COUNTY PUBLIC WORKS COMMISSIONER



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, and virtually per the State Public Act 254 of 2020, on September 13, 2021, at 10:52 A.M.

PRESENT:            Brian Baker, Acting Chair  
  
                         Don VanSyckel, Member  
  
                         Bryan Santo, Member

ALSO PRESENT:    Stephen Downing, Construction & Maintenance Manager, Bruce Manning, Financial Manager, Vince Astorino, Operations & Flow Manager, Kellie Kource, Drain Account Specialist, Norb Franz, Communications Manager, Macomb County Public Works; Sydney Hilgendorf, Sterling Heights

The meeting was called to order by the Acting Chair, Brian Baker. 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 August 9, 2021 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 the board that work on Segment 5 was slower this month as we had to stop due to the pump station being down. Once the pump station was fixed, Oscar Renda had to dewater the shaft along with a potential water main issue in the area that was infiltrating the shaft. We have sealed what we can and are awaiting Sterling Heights to respond to the potential water main leak issue. There were also some issues with dewatering and additional wells are being installed to help resolve these issues.

Grouting has finished in the manhole outside of the Clintondale Pump Station, and we will now transition into less critical areas.

The Meter Rehab project is close to complete and has been delayed waiting for DTE to get permanent power to the sites. Once complete, the contractor will install the new meters and wrap up the project.

The Segment 6 rehabilitation project permits are set. We have been working with the contractors on submittals, and have reviewed the baseline schedule. Ric Man has proposed moving the shaft slightly west to reduce the length of lane closures for the area. The new plan should alleviate a lot of the disruption to the area. Other traffic lanes will be impacted in the spring.

The Interceptor Inspection Program is still moving along and they anticipate being done in November 2021.

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

Adopted: YEAS: 3  
NAYS: 0

Mr. Astorino updated the board that Aquasite Phase 1 COVID testing of 19 Macomb sites has wrapped up and we are ready to continue into Phase 2 with Aquasight. The COVID wastewater testing is fully funded by the State.

A motion was made by Mr. VanSyckel, supported by Mr. Santo to approve the Aquasight proposal in the amount of \$1,301,850, with authorization to sign the State grant agreement for \$1,366,943 (which also covers administrative expenses).

Adopted: YEAS: 3  
NAYS: 0

Mr. Baker updated the board that the M59/Garfield purchase agreement is signed.

A motion was made by Mr. Santo, supported by Mr. VanSyckel to receive and file the M-59/Garfield Purchase Agreement.

Adopted: YEAS: 3  
NAYS: 0

The Chair presented the invoices totaling \$5,687,037.95 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 11:24 a.m.





---

Brian Baker, Acting Chair  
Macomb County Public Works Chief Deputy

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 September 13, 2021 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.



---

Brian Baker, Acting Chair  
Macomb County Public Works Chief Deputy

DATED: 9/13/21



**Candice S. Miller**

Public Works Commissioner  
Macomb County

**To: Macomb Interceptor Drain Drainage District Board Members**

**CC: File**

**From: Stephen Downing, Construction & Maintenance Manager**

**Date: October 18, 2021**

**Subject: Construction Projects Status Updates for October 2021 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.

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

1. Continued development, review, and approval of the required construction submittals.
2. There were three additional ground dewatering wells drilled on the east side of the CS-12 Shaft.
3. Repair/replacement of several dewatering pumps and other maintenance activities.
4. There were additional groundwater observation wells installed to monitor the groundwater levels more closely around the shaft.

5. As of 10-13-21 the groundwater level has been lowered to the target elevation of 538 on the west side of the shaft and is at approximately an elevation of 540 on the east side of the shaft.
6. Oscar Renda continued preparation work prior to starting the spray-lining activity between Fontana and Hayes, including:
  - o Installation of internal steel ribs at MH-05
  - o Placement of a temporary concrete slab at MH-05 for containers to decant the sediment removed from the Interceptor.

**Construction Costs:**

	Date (if applicable)	
Original Contract Amount	10/21/2020	\$28,807,500.00
Total Spent to Date	10/1/2021	\$8,046,885.79
Remaining Budget	10/1/2021	\$20,760,614.21



*Figure 1 – Drilling Additional Dewatering Well*





*Figure 2 - Dewatering Pump Maintenance*





Figure 4 - Temporary Concrete Pad



Figure 3 - Temporary Concrete Pad

## 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 crew completed working on Union Lake between Crocker and Metro Parkway.
2. The crew was paused most of the month due to wet-weather and competing flow control requirements for other active projects in the MID and OMID systems.
3. The crew is scheduled to resume work in mid-October in the Garfield Interceptor. This work will occur during the evening and overnight hours due to flow storage during normal working hours.

### **Construction Costs:**

	Date (if applicable)	
Original Contract Amount	6/24/2020	\$3,000,000.00
Total Spent to Date	10/1/2021	\$2,479,211.50
Remaining Budget	10/1/2021	\$520,788.50





*Figure 5 - Dripping Infiltration*



*Figure 6 - Dripping Infiltration*

## Meter Facility Rehabilitation

**Contractor:** Weiss Construction

**Engineering Consultant:** HRC

### **Project Description:**

The project includes the rehabilitation of three sewerage meter facilities; work includes removal and application of concrete surface repairs and protective coatings, televising, cleaning, and spray-lining the existing influent and effluent connecting sewers; rehabilitation existing adjacent sanitary manholes; improving access and safety features for maintenance personnel; and replacing existing electrical systems.

The sites, SY-S-1 and SY-S-2 are in Shelby Township and WA-S-1 is in Washington Township. The meter facilities are the point of transition of sewerage flow from the local systems into the MIDDD Interceptors. Each of the metering facilities provides the critical flow data required to allocate the billing apportionment for each of the MIDDD member communities.

The Shelby Township meter facilities, originally constructed by DWSD, have reached the end of their useful life and are need of rehabilitation. The MCPWO previously rehabilitated several of the older metering facilities in the system, which were also constructed by DWSD.

The Washington Township meter facility is currently owned by Washington Township, which is a unique situation in the MIDDD system. Typically, the MIDDD assumes ownership of the billing meter facilities, which includes operation and maintenance activity. As such, the MCPWO negotiated a transfer agreement with Washington Township to transfer ownership of this asset to the MIDDD. The two entities agreed to equitable cost sharing terms within the agreement.

The project was designed by Hubbell, Roth and Clark and the construction contract was awarded to Weiss Construction. The total construction cost for the project is \$857,159.00. The work started in April 2021.

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

1. The Contractor continued to develop and submit the required construction submittals for the Engineering team to review.
2. The Engineering team continued review and return of the required construction submittals.
3. The DTE Crews energized the new power feed at each location.
4. The Contractor started installation of the new level sensor and other electrical appurtenances; this was delayed due to the delayed energization by DTE.
5. The Contractor is working to achieve Substantial Completion by the end of October 2021.
6. The Contractor continued the site restoration activities at each site.

### **Construction Costs:**

	Date (if applicable)	
Original Contract Amount	12/3/2020	\$857,159.00
Total Spent to Date	10/1/2021	\$592,963.20
Remaining Budget	10/1/2021	\$264,195.80





Figure 7 - New Electrical Cabinet at SY-S-2



Figure 8 - Site Restoration at SY-S-2

## 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 is scheduled to start in August 2021 and be completed in March 2023.

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

1. The Engineer & Owner approved relocating the CS-13 shaft to the west approximately 200 linear feet.
2. The Contractor is scheduled to mobilize on Monday October 18, 2021.
3. The Contractor has sequenced the work to mitigate the traffic control impact along 15 Mile between Garfield and Bristlecone. A revised baseline schedule is being prepared for Engineer & Owner review.
4. The MCPWO distributed a Public Notice letter to approximately 640 homes and businesses near the project.
5. The MCPWO distributed the Public Notice letter to Fraser Public Schools, MISD, City of Fraser and Clinton Township.
6. The Contractor continues to develop and submit the required submittals to the Engineer & Owner for review.

### **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 Spent to Date	10/1/2021	\$355,263.16
Remaining Budget	10/1/2021	\$13,318,946.54

## Interceptor Inspection Program

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

**Engineering Consultant:** Fishbeck

### **Project Description:**

The 2020 sewer inspection program was awarded to Doetsch Environmental Services in November 2020. The inspection program includes inspection of approximately 26 miles of sanitary sewer, 360 manholes and other aspects of the sanitary sewage infrastructure across multiple drainage districts, including the MIDDD.

The MIDDD portion of the inspection program includes 101,335 linear feet (19.25 miles) of pipe ranging in diameter from 24" to 132" and 145 manhole structures. Additionally, inspection of 8 junction chambers and 8 Drop Shaft/Connecting sewers will be performed.

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. The 2020 inspection program is the largest ever performed by the Macomb County Public Works Office. The project started in May 2021 and is expected to be completed in October 2021.

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

1. The system map on the next page illustrates how much of the system is scheduled for inspection and how much was inspected by 9/25/21.
2. The Contractor's progress was limited this month due to wet-weather days, CS-3 maintenance issues and issues with the Contractor's equipment.

### **Construction Costs:**

	Date (if applicable)	
Original Contract Amount	1/19/2021	\$280,034.00
Total Spent to Date	10/1/2021	\$62,703.85
Remaining Budget	10/1/2021	\$217,330.15

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

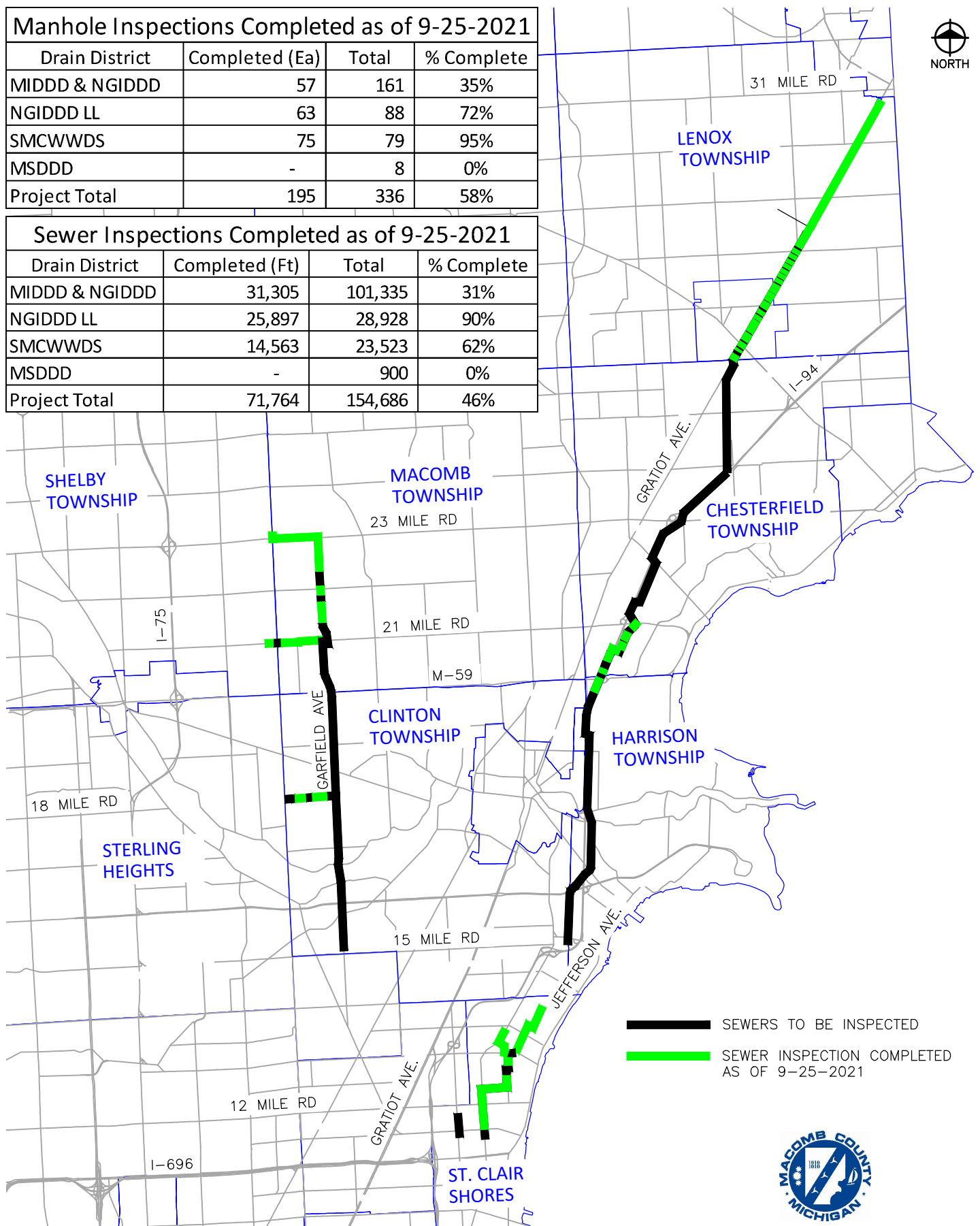


### Manhole Inspections Completed as of 9-25-2021

Drain District	Completed (Ea)	Total	% Complete
MIDDD & NGIDDD	57	161	35%
NGIDDD LL	63	88	72%
SMCWWDs	75	79	95%
MSDDD	-	8	0%
<b>Project Total</b>	<b>195</b>	<b>336</b>	<b>58%</b>

### Sewer Inspections Completed as of 9-25-2021

Drain District	Completed (Ft)	Total	% Complete
MIDDD & NGIDDD	31,305	101,335	31%
NGIDDD LL	25,897	28,928	90%
SMCWWDs	14,563	23,523	62%
MSDDD	-	900	0%
<b>Project Total</b>	<b>71,764</b>	<b>154,686</b>	<b>46%</b>



- SEWERS TO BE INSPECTED
- SEWER INSPECTION COMPLETED AS OF 9-25-2021



**Candice S. Miller**  
MACOMB COUNTY PUBLIC WORKS COMMISSIONER





**Candice S. Miller**

Public Works Commissioner  
Macomb County

September 29, 2021

## **MACOMB INTERCEPTOR DRAIN REHABILITATION PROJECT**

Dear Residents and Business Owners,

We all remember the sinkhole on 15 Mile Road five years ago, when we experienced a major sewer interceptor collapse. You may have been a resident in 2004 when there was also a sinkhole on 15 Mile Road or even remember the one in 1978. None of us ever want another sinkhole, obviously.

After fixing the 2016 sinkhole, my department did a comprehensive inspection of the entire system and – no surprise – it needs some rehabilitation and maintenance work. We have undertaken that work with a project that is currently underway in an area in the ITC corridor, under the transmission towers. Thus far, we have been able to contain the work to the corridor and beneath 15 Mile Road, west of Hayes Road, but I'm writing to inform you of a couple of new temporary lane closures required by the work that will be happening soon east of Garfield Road.

- Temporary closure of two lanes of 15 Mile Road from Simon Drive to Bobcean Road – with some potential adjustment after initial setup -- starting mid-October 2021 and continuing for approximately nine months. **Please note: two-way traffic on 15 Mile will be maintained at all times with one eastbound lane, one westbound lane and a center turn lane.**

In late spring 2022, additional traffic controls will be implemented to the immediate west on 15 Mile Road and on Garfield Road near the intersection. Details about the associated lane closures in that location will be provided as that construction nears.

We are committed to investing and maintaining our underground infrastructure for future generations, and we are also committed to ensuring we never have another infrastructure disaster along 15 Mile. We sincerely appreciate your understanding and patience during the construction period. There really isn't any other way, and we also want to make sure that local residents were notified.

There is also a map on the back of this letter to view the closures area. If you have any questions or concerns, please contact Keith Lumma with the Macomb County Public Works Office at [keith.lumma@macombgov.org](mailto:keith.lumma@macombgov.org) or 586-469-5325.

Sincerely,

Candice S. Miller  
Macomb County Public Works Commissioner



**MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT**  
**AGENDA ITEM WORKSHEET**

**Meeting Date:** Monday, October 18, 2021

**Property:** 45345 Garfield Road, Macomb Township, MI 48044  
Parcel/Tax ID 08-32-300-018

**Synopsis:** This Board previously gave Commissioner Miller and the Macomb County Department of Public Works authority to market and sell the above-referenced Property on behalf of the MIDD. The previous deal approved by the Board with Maverick's restaurant was terminated by the purchaser immediately after signing due to the anticipated cost of development. The MIDD has recently received a new offer for \$2.5 Million from Mansour Companies, who previously signed a purchase agreement in 2019 but terminated in early 2020 due to onset of the COVID pandemic.

**Recommendation:** To approve the basic terms of this offer, subject to MIDD's attorney Ben Aloia and Commissioner Miller working with the Purchaser to finalize the details of a favorable Purchase Agreement for Commissioner Miller's execution, and to close the transaction.



**Brewmaster Holdings LLC**

272 E. Boca Raton Rd.

Boca Raton, FL 33432

9/15/21

Re: Property at 45345 Garfield Rd. Macomb Township, MI 48044

Tax ID # 08-32-300-018

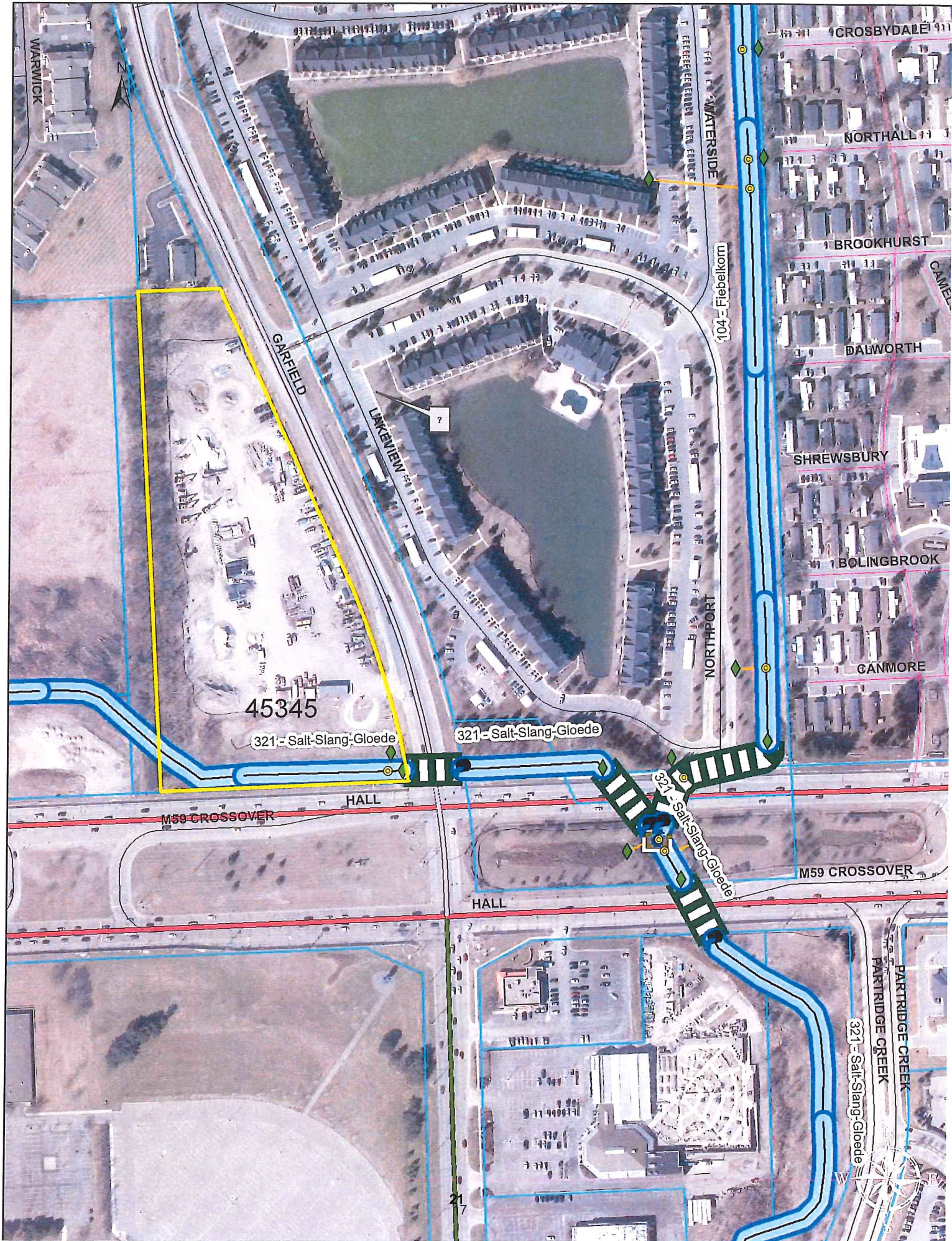
Please consider this a formal termination of the agreement between Brewmaster Holdings LLC and the Macomb Interceptor Drain Drainage District to purchase the property located at 45345 Garfield Rd. Macomb Township, MI. We have found that our costs to develop this location make it prohibitable to proceed.

Regards,

A handwritten signature in blue ink, consisting of a large, stylized 'W' or similar shape enclosed in an oval, with a vertical line through the center.

Chad Wilson







MACOMB INTERCEPTOR DRAIN - 9/21/21 - 10/12/21

<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 – 7.3432% Clinton – 21.3460% Fraser – 4.1370% Harrison – 6.4221% Lenox – 1.0652% Macomb – 13.9284% New Haven – .8271% Shelby – 9.7757% Sterling Heights – 30.7833% Utica – 1.6268% Washington – 2.7451%						
		Astorino	Access Interactive LLC	\$ 2,175.00	Invoice #INV000107335 - 9.9.21	Microsoft Windows Remote License	
		Baker	Aloia & Associates, P.C.	\$ 931.00	Invoice #22640 - 8.1.21	Sale of 45345 Garfield Road	
		Downing	Anderson, Eckstein & Westrick	\$ 10,988.40	Invoice #133168 - 9.13.21	Phase 2 Grouting - 8.2.21 - 8.29.21	\$ 132,861.95
		Astorino	Aquasight	\$ 146,038.00	Invoice #000660 - 9.1.21	COVID 19 - Monitoring (Grant Funded)	\$ 119,530.00
		Astorino	Battery Giant of Macomb	\$ 1,222.70	Invoice #54503 - 7.6.21	Batteries - SCADA Spare Parts	
		Astorino	CDW Government	\$ 2,064.80	Invoice #K598989 - 9.11.21	SCADA Switch	
		Astorino	CDW Government	\$ 4,259.01	Invoice #K636045 - 9.13.21	SCADA Switch	
		Astorino	CDW Government	\$ 2,341.92	Invoice #L003486 - 9.20.21	SCADA Digi Meter Modem	
		Astorino	City of Mt. Clemens	\$ 19,711.43	Invoice #28003516 - 9.22.21	Monthly Utilities - August 2021	
		Astorino	Department of Roads	\$ 602.91	Invoice #301875 - 6.14.21	Fleet Fuel through 5.31.21	
		Astorino	Department of Roads	\$ 1,308.75	Invoice #301928 - 8.12.21	Fleet Fuel through 7.31.21	
		Downing	Doetsch	\$ 105,134.35	Invoice #71746 - 8.29.21	Phase 2 Grouting - 7.26.21 - 8.29.21	\$ 610,443.05
		Downing	Doetsch	\$ 13,573.75	Invoice #WO20004 App #2 - 9.15.21	Inspection Program - 6.1.21 - 8.31.21	\$ 228,730.15
		Downing	Doetsch	\$ 89,654.55	Invoice #71780 - 9.26.21	Phase 2 Grouting - 8.30.21 - 9.18.21	\$ 520,788.50
		Downing	Doetsch	\$ 11,400.00	Invoice #WO20004 App #3 - 9.29.21	Inspection Program - 9.1.21 - 9.29.21	\$ 217,330.15
		Astorino	DTE Energy	\$ 1,083.12	Invoice #RXSS3-3FT0N - 8.31.21	Monthly Electric - 7.31.21 - 8.30.21	
		Astorino	DTE Energy	\$ 1,223.29	Invoice #S0MSV-GN4KQ - 9.30.21	Monthly Electric - 8.31.21 - 9.29.21	
		Astorino	Fishbeck	\$ 3,330.00	Invoice #404084 - 9.9.21	Wastewater Master Plan through 9.3.21	\$ 404,635.31
		Astorino	Fishbeck	\$ 2,325.00	Invoice #404081 - 9.9.21	GLWA Assistance through 9.3.21	\$ 6,064.37
		Astorino	Fishbeck	\$ 6,357.82	Invoice #404856 - 10.6.21	Wastewater Master Plan thorough 10.1.21	\$ 398,277.49
		Astorino	FK Engineering Associates	\$ 3,000.00	Invoice #20-042-007 - 8.26.21	Sewer Rehab Analysis through 8.14.21	\$ 2,000.00
		Downing	FK Engineering Associates	\$ 13,990.84	Invoice #20-058-015 - 8.24.21	Segment 6 Structural Rehab - 7.11.21 - 8.14.21	\$ 1,681,166.85
		Downing	FK Engineering Associates	\$ 76,857.45	Invoice #20-152-009 - 8.24.21	Segment 5 Lining	\$ 1,666,990.07
		Astorino	Hank's Auto Service	\$ 565.15	Invoice #63385 - 9.7.21	Radiator Repair - 2007 Ford Explorer - Joe B	
		Downing	Hubbell, Roth & Clark, Inc.	\$ 96,180.72	Invoice #190649 - 9.16.21	Meter Rehab through 8.21.21	\$ 46.19
		Downing	FK Engineering Associates	\$ 24,207.68	Invoice #20-058-016 - 9.20.21	Segment 6 Structural Rehabilitation	\$ 1,656,959.17
		Downing	FK Engineering Associates	\$ 115,315.33	Invoice #20-152-010 - 9.20.21	Segment 5 - Romeo Arm through 9.18.21	\$ 1,551,674.74
		Baker	Macomb County Treasurer	\$ 1,450.00	Invoice #21-468 - 7.20.21	WEFTEC Conference - Astorino and Downing	
		Astorino	Novalynx Corporation	\$ 2,591.92	Invoice #57260 - 5.20.21	Rain Gauges - Added 2 with Meter Rehab	
		Downing	Oscar Renda Contracting	\$ 309,150.00	Invoice #WO19024 Est #13 - 9.28.21	Segment 5 Lining through 9.30.21	\$ 20,760,614.21
		Astorino	Presidio	\$ 504.75	Invoice #6023421005037 - 9.30.21	SCADA As-Needed	
		Downing	Ric-Man Construction	\$ 319,736.84	Invoice #WO21026 EST 1 - 9.29.21	Segment 6 Rehabilitation through 9.30.21	\$ 13,318,946.54



MACOMB INTERCEPTOR DRAIN - 9/21/21 - 10/12/21

<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>
		Downing	TBM Property Management LLC	\$ 750.00	Invoice #606 - 10.1.21	Pipe and Material Storage - 3rd Quarter	
		Downing	Tetra Tech, Inc.	\$ 89,154.38	Invoice #51780477 - 9.3.21	Wastewater Odor and Corrosion through 8.27.21	\$ 504,141.18
		Downing	Tetra Tech, Inc.	\$ 45,542.50	Invoice #51799420 - 10.6.21	Odor and Corrosion Design through 9.30.21	\$ 432,356.27
		Downing	Weiss Construction	\$ 16,663.50	Invoice #WO18351 EST #6 - 9.17.21	Meter Rehabilitation through 9.17.21	\$ 198,311.00
		Sucharski	Verizon	\$ 1,116.84	Invoice #9886940720 - 8.23.21	Monthly Cell - 7.24.21 - 8.23.21 (Eq. Fund)	
		Sucharski	Verizon	\$ 671.21	Invoice #9886940720 - 8.23.21	Monthly Cell - 7.24.21 - 8.23.21	
		Sucharski	Verizon	\$ 1,011.01	Invoice #9889120149 - 9.23.21	Monthly Cellular (Eq. Fund) - 8.24.21 - 9.23.21	
<u>Biofilter</u>		Astorino	City of Fraser	\$ 714.62	Invoice #21-460 - 9.1.21	Monthly Utilities - 7.16.21 - 8.16.21	
		Astorino	De-Cal, Inc.	\$ 546.20	Invoice #WO90021085-3 - 10.1.21	3rd Quarter Preventative Maintenance	
		Astorino	Platinum Mechanical Inc.	\$ 2,431.79	Invoice #2129-1792 - 9.29.21	Roller Bearings	
<u>CPS</u>		Astorino	Clinton Township Treasurer	\$ 2,463.97	Invoice #21-455 - 8.31.21	Monthly Utilities - 7.27.21 - 8.24.21	
		Astorino	De-Cal, Inc.	\$ 1,896.20	Invoice #WO90021091 - 10.1.21	3rd Quarter Preventative Maintenance	
		Astorino	DTE Energy	\$ 14,503.66	Invoice #RYH20-S6B91 - 9.1.21	Monthly Electric - 8.3.21 - 9.1.21	
		Astorino	Duperon Corporation	\$ 1,200.00	Invoice #23416 - 9.27.21	Tech Support - Automated Bar Screen	
		Astorino	FJF Door Sales Company, Inc.	\$ 3,970.00	Invoice #175228 - 9.7.21	Garage Door Installation	
		Astorino	Spencer Oil Company	\$ 749.08	Invoice #8980556 - 8.27.21	Diesel Fuel - Generator	
		Astorino	Sunbelt Rentals	\$ 768.92	Invoice #117065993-0001 - 8.28.21	Forklift Rental	
		Astorino	Tri-Star Roofing & Sheet Metal LLC	\$ 733.73	Invoice #21-1506240 - 9.27.21	Roof Repairs	
<u>Meters</u>		Astorino	Aquasight	\$ 22,596.00	Invoice #000659 - 9.1.21	ACE Phase 3 - Part 3 of 6	\$ 162,877.00
<u>NGI</u>		Astorino	Fishbeck	\$ 1,337.00	Invoice #404102 - 9.9.21	Inspection Program thorough 9.3.21	\$ 220,373.77
		Astorino	Flowmore Services	\$ 16,635.00	Invoice #27275 - 9.30.21	Cleaning of HDPE Piping	
		Astorino	Motor City Electric Technologies	\$ 2,603.22	Invoice #93936 - 10.1.21	Pressure Sensors	
		Astorino	National Industrial Maintenance	\$ 1,200.00	Invoice #40915 - 8.10.21	Jet Vac Cleanout	
<u>OMID</u>		Downing	Oakland County	\$ 4,259,286.67	Invoice #SDS0007924-SEPT	Monthly Utilities - September 2021	
<b>Total</b>				\$ 5,877,821.98			

Budget to Actual  
MIDD  
As of Sept 30, 2021 = 25%

DESCRIPTION	2022 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
<b>REVENUE ACCOUNTS</b>					
GLWA-OMID	47,284,425		11,822,082	35,462,343	25.0%
OMID O&M	3,827,015		956,754	2,870,261	25.0%
Settlement	100,000			100,000	0.0%
Reimbursements	200,000		32,836	167,164	16.4%
PY Revenue-Fund Balance	10,370,340			10,370,340	0.0%
Washington Twp Meter Project	47,470			47,470	0.0%
Reimb-Local Communities	16,476,210		2,746,035	13,730,175	16.7%
COVID Grant	-		265,568		
Interest	60,000		940	59,060	1.6%
<b>Total Revenue Accounts</b>	<b>78,365,460</b>	<b>-</b>	<b>15,824,215</b>	<b>62,806,813</b>	<b>20.2%</b>
<b>EXPENSE ACCOUNTS</b>					
GLWA-OMID	47,284,425		11,822,082	35,462,343	25.0%
OMID O&M	3,827,015		956,754	2,870,261	25.0%
Public Works Wastewater Disposal Division	1,702,960			1,702,960	0.0%
Office Operations/Insurance	332,250		46,332	285,918	13.9%
SCADA	280,490		38,424	242,066	13.7%
<b>Engineering</b>					
Replenish reserve from CPS refunding	618,680			618,680	0.0%
Segment 5(Paid from const/ eng reserve)	-		926,014	(926,014)	0.0%
GLWA Assistance	40,000		3,375	36,625	8.4%
Repair work stemming from inspection program/Phase III Grout	3,200,000			3,200,000	0.0%
Segment 6 Construction Admin	1,500,000		67,194	1,432,806	4.5%
Odor and Control Construction	6,000,000			6,000,000	0.0%
General Construction/Engineering Contingency-All Projects	225,000			225,000	0.0%
Aquasight-On going improvements to program	175,000		58,096	116,904	33.2%
As Needed Applied Science	25,000			25,000	0.0%
As Needed FK Engineering	60,000			60,000	0.0%
As Needed FTCH	50,000		6,902	43,098	13.8%
As Needed Metco	90,000		2,808	87,192	3.1%
As Needed Wade Trim	70,000		674	69,326	1.0%
Level Sensors/Pressure/H2S-Meters	214,200			214,200	0.0%
Meter Dye Testing	38,600		32,200	6,400	83.4%
Odor and Control-Construction	1,000,000			1,000,000	0.0%
Odor and Corrosion Design	375,260		155,837	219,423	41.5%
COVID Monitoring -Reimburse from grant	-		265,568	(265,568)	100.0%
Phase II Grouting	2,000,000		292,224	1,707,776	14.6%
Phase III Grouting	325,000			325,000	0.0%
Segment 6 Construction Administration	1,503,560			1,503,560	0.0%
SY-S-1, SY-S-2, & WA-S-1 Meter Const Admin/Rehab	1,804,590		397,225	1,407,365	22.0%
Wastewater Master Plan/Contract Capacity	330,050		12,600	317,450	3.8%
Data Review-Aquasight	24,090		22,596	1,494	93.8%
<b>Legal Services</b>					
Clintondale PS O&M	150,000			150,000	0.0%
NGI O&M	580,000		35,944	544,056	6.2%
Meters O&M	225,000		22,686	202,314	10.1%
CS-3 O&M	190,970		24,761	166,209	13.0%
Biofilter O&M	216,000		3,600	212,400	1.7%
Contribution Life Cycle Reserve	26,000		2,103	23,897	8.1%
Interceptor O&M	171,700			171,700	0.0%
Stormwater Pump Stations	1,738,450		17,731	1,720,719	1.0%
Sewage Disposal Charges - Mt. Clemens	91,000		22,750	68,250	25.0%
Debt Service - Revenue Bonds	200,000		36,907	163,093	18.5%
Debt Service - Revenue Bonds	1,680,170		420,043	1,260,128	25.0%
<b>Total Expense Accounts</b>	<b>78,365,460</b>	<b>-</b>	<b>15,693,430</b>	<b>62,672,031</b>	<b>20.0%</b>

	O&M Balance 6/30/2021	O&M	Total 8/31/2021
Cash - Operating	37,753,257	130,786	37,884,043
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		15,824,215	15,824,215
Expenditures		15,693,430	15,693,430
			0
Equity*	37,753,257		37,884,043

**Detail of 2021 Equity\***

Projected reserve at 6/30/2021	8,749,004
Projected Construction/ Engineering Reserve	28,001,153
Life Cycle Reserve	1,003,100