

Miller
Santo
VanSyckel

MACOMB INTERCEPTOR DRAIN
INTRA-COUNTY DRAINAGE BOARD
MAY 09, 2022
10:45 A.M.
AGENDA

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

**Call in Number: 1-970-639-1895
Access Code: 644 714 785**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for May 9, 2022	
3. Approval of Minutes for April 11, 2022	3
4. Public Participation	
5. Project Updates – Stephen Downing	7
6. Consideration for approval of invoices (see attached)	23
7. Financial Report – Bruce Manning	25
8. Adjourn	

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 11, 2022, at 10:33 A.M.

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

ALSO PRESENT: Vince Astorino, Operations & Flow Manager; Brian Baker, Chief Deputy; Steve Downing, Construction & Maintenance Manager; Norb Franz, Communications Manager; Bruce Manning, Financial Manager; Stephen Saph Sr., Nickel & Saph Inc.; Stephen Saph Jr., Nickel & Saph Inc.; Pam Sonnenberg, Administrative Assistant; Tom Stockel, Construction Supervisor; Sarah Wojdyla, Drain Account Specialist

PRESENT VIA TELECONFERENCE: Daniel Acciavatti, Deputy Director Public Works

The meeting was called to order by the Chair, Candice 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 14, 2022 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.

Mrs. Miller started the meeting mentioning Highland Park and asked Mr. Baker to explain what is going on. Mr. Baker stated that for the last 9 years the City of Highland Park has been underpaying by about 50%, and last year stopped paying anything to GLWA. Even though there has been successful judgements against them for \$21 million, they paid half and then stopped paying at all. We have another court case against them. There was one decision in their favor and they claim total victory. We are appealing that. When they stopped paying the debt really started to grow, that is what precipitated this. It was a \$20 million debt when GLWA was formed. There are federal court orders and settlements that say that when a suburban sewer customer has bad debt, then the suburbs get charged that amount. Mrs. Miller and Mr. Hackel wrote a letter to the Governor last year because the State has some liability in this. Mrs. Miller added that the State forced GLWA to take over Highland Park's water in 2012 because it was not drinkable. Mr. Baker went on to explain that GLWA passes the costs on to the suburban communities. It's not fair to the suburban communities to have to cover the costs.

Mr. Baker said we believe that they are still charging their residents water and sewer bills. Mrs. Miller has submitted a (FOIA) Freedom of Information Act request to find out, and what are they doing with the money, and we have also submitted a FOIA to find out how much they are paying in attorney fees. Mr. Baker said that Highland Park believes that they only have to pay 1996 rates. Mr. Baker said that

MIDD's attorney, Joe Viviano will file a brief in the Court of Appeals to be heard this Fall and we may need to possibly get involved in the 2020 case. Mr. Baker said 80% of the debt is on the sewer side, much less on the water side. Communities will likely withhold their amounts. Mrs. Miller, added that Oakland County can't get the sewer numbers, Wayne County and Downriver are doing similar to what we are doing here.

Mr. VanSyckel asked if it was true if Western Wayne stopped paying. Mrs. Miller said some of their communities are doing what we are doing, withholding the amount that they would owe for Highland Park starting in July.

Mr. VanSyckel questioned if Highland Park has the money. Mrs. Miller said we are awaiting the FOIA to find out. She doesn't want to shut off the water to 10,000 people. Mr. Baker added the analogy that if a homeowner doesn't pay their water bill, it gets added to their tax rolls. Just as if Highland Park doesn't pay, it would default the community. That is why the State has to step in. We are telling the communities, if they decide to withhold, just withhold their new July amount, keep it in the rates and put it in their escrow.

Mr. VanSyckel asked where GLWA is getting enough money to fund their operation if communities withhold. Mr. Baker added that we are only talking \$6 million, GLWA's budget is a billion dollars. He explained that the point of this is to not blame GLWA, but to encourage the State to get involved. We at least can stop the bleeding, we can get Highland Park a long term contract, they can lower their rates and participate in the low income assistance program for water bills that GLWA offers. Mrs. Miller added that the Board will be seeing some legal bills from Mr. Viviano for this.

A motion was made by Mr. Santo, supported by Mr. VanSyckel to receive and file the Highland Park Unpaid Bills Discussion.

Adopted: YEAS: 3
NAYS: 0

Mr. Downing updated the board on Segment 5 Rehabilitation Project. Contractors are continuing power washing activities to prep for spray lining. The spray lining contractor will be here at the end of the month. He presented some pictures from the surveys data of the shaft going down. He then showed a picture from inside the interceptor to show the dewatering. The next photo is of the crew pushing the debris down the 8 foot pipe with Air Lances to get it ready for spray lining. The pipe needs to be completely dewatered to spray line. Then he showed another picture, this one of the rebar within the CS12 structure, and a photo of the Hobas Drop Pipe that has been installed. Mr. Baker asked if they had picked up any time on the job as it is behind. Mr. Downing said it is looking close to getting it back to the completion date. There are a lot of things to get done. They are a good contractor to work with. Rudy Renda asked Mr. Downing what they could do better and Mr. Downing told him they needed a Project Manager on the job. They are actively looking for one to hire.

Mr. Downing then updated on the Phase II Grouting Project. They are continuing to work in the Garfield Interceptor between M-59 and 21 Mile Road. Met with Doetsch and AEW to see if we should change the grout type. The reasons are the quantity of grout injected and an increase in infiltration locations.

Mr. Downing said that there is really no activity on the Meter Rehabilitation Project.

Next was the Segment 6 update by Mr. Downing. Work has slowed since the issues last month with the damage of the 37 joints that require repair. There is only one joint that will need to be cut out, it is

500 or 600 feet in from the shaft. There is a complete investigation being performed to identify the cause of the damage. They'll be meeting with the contractor. There will be a significant cost. There are workarounds such as increasing the size of the shaft at manhole one, there's a possibility of maybe putting in a shaft in the middle of the area that is still left to be lined if there's not enough room at 15 Mile and Garfield. The other option is that they could pull, instead of push the pipe. They would use a series of cables to push the pipe. They would be pulling one stick at a time which is not very efficient. Mr. Downing has initiated a Builder's Risk Claim to determine if a claim condition exists. Mr. Downing then showed some photos of the work being done on the pipe, pictures of the pipe being dropped off, and pictures of the damaged pipe joints.

We are close to the Interceptor Inspection Program buttoning up. We've only had one operational gate. Supply chain issues are hitting us. So the system has been slow to dewater.

Mr. Baker updated on the property on M-59 and Garfield. The purchaser wanted a bit more time, we signed a \$10,000 hard extension for 30 days due diligence, which expires today. They are asking for another 30 days with \$10,000 hard. Then after that, \$175,000 would go hard for an additional 12 months due diligence.

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

Adopted: YEAS: 3
NAYS: 0

Mr. Baker updated on Insurance Policy Renewals. Mr. Saph added that they are always available to look at contracts with vendors in regards to insurance requirements.

A motion was made by Mr. VanSyckel, supported by Mr. Santo to approve the Chapter 20 General Liability Insurance Coverage renewal with Argonaut Insurance Company in the amount of \$210,613 (MIDD share \$197,797.20).

Adopted: YEAS: 3
NAYS: 0

Mr. Downing presented the Odor and Corrosion bid results. Bids were originally due on March 17th. At the request of one of the contractors, it was extended one week to March 24th. We only ended up with one bid. The Engineer's Opinion of Probable Cost is \$11.2 million which includes 15% contingency. The recommendation is to reject the bid received from LaSalle Construction Inc., and re-issue the project for bids at a later date in an effort to attract more bidders in a more favorable market.

A motion was made by Mr. Santo, supported by Mr. VanSyckel to reject the bid from LaSalle Construction Inc. and authorize the rebidding of the Odor and Corrosion project.

Adopted: YEAS: 3
NAYS: 0

Mr. Astorino updated on Change Order #2 for Dye-Dilution Testing Services. There is really only one company that does this work and that is Applied Science, Inc. We are requesting to execute Change Order #2 which will allocate \$50,000 in additional funds to the ASI contract.

A motion was made by Mr. VanSyckel, supported by Mr. Santo to add \$50,000 to the Applied Science Inc. contract for Dye-Dilution Testing.

Adopted: YEAS: 3
NAYS: 0

Next Mr. Astorino updated the Board on Change Order #3 for As Needed Engineering Services from Metco. It is needed due to the increase in flow control needs from OMIDDD during the ongoing construction and maintenance taking place within the MIDDD.

A motion was made by Mr. Santo, supported by Mr. VanSyckel to approve Change Order #3 for As-Needed Engineering Services to Metco in the amount of \$75,000.

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$9,288,726.51 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

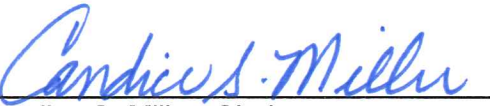
The meeting was adjourned at 11:24 A.M.



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 11, 2022 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: 04/11/22



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: May 9, 2022

Subject: Construction Projects Status Updates for May 2022 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. Ground dewatering well maintenance and monitoring.
3. Continued preparation work prior to starting the spray-lining activity between Fontana and Hayes, including:
 - a. Continued power washing the Interceptor in preparation for spray-lining activities.
 - b. Started sludge and debris removal

4. Continued construction of the CS-12 permanent structure, which includes:
 - a. Rebar installation
 - b. Concrete formwork
 - c. Concrete placement of the first wall lift

Construction Costs:

	Date (if applicable)	
Original Contract Amount	10/21/2020	\$28,807,500.00
Current Contract Amount	3/30/2022	\$30,672,248.32
Total Spent to Date	4/30/2022	\$12,142,189.11
Remaining Budget	4/30/2022	\$18,530,059.21



Figure 1 – PCI-37 (8-foot Pipe) Post Power Washing Inspection



Figure 2 - Exposed Rebar in PCI-37



Figure 3 - CS-12 Rebar Installation



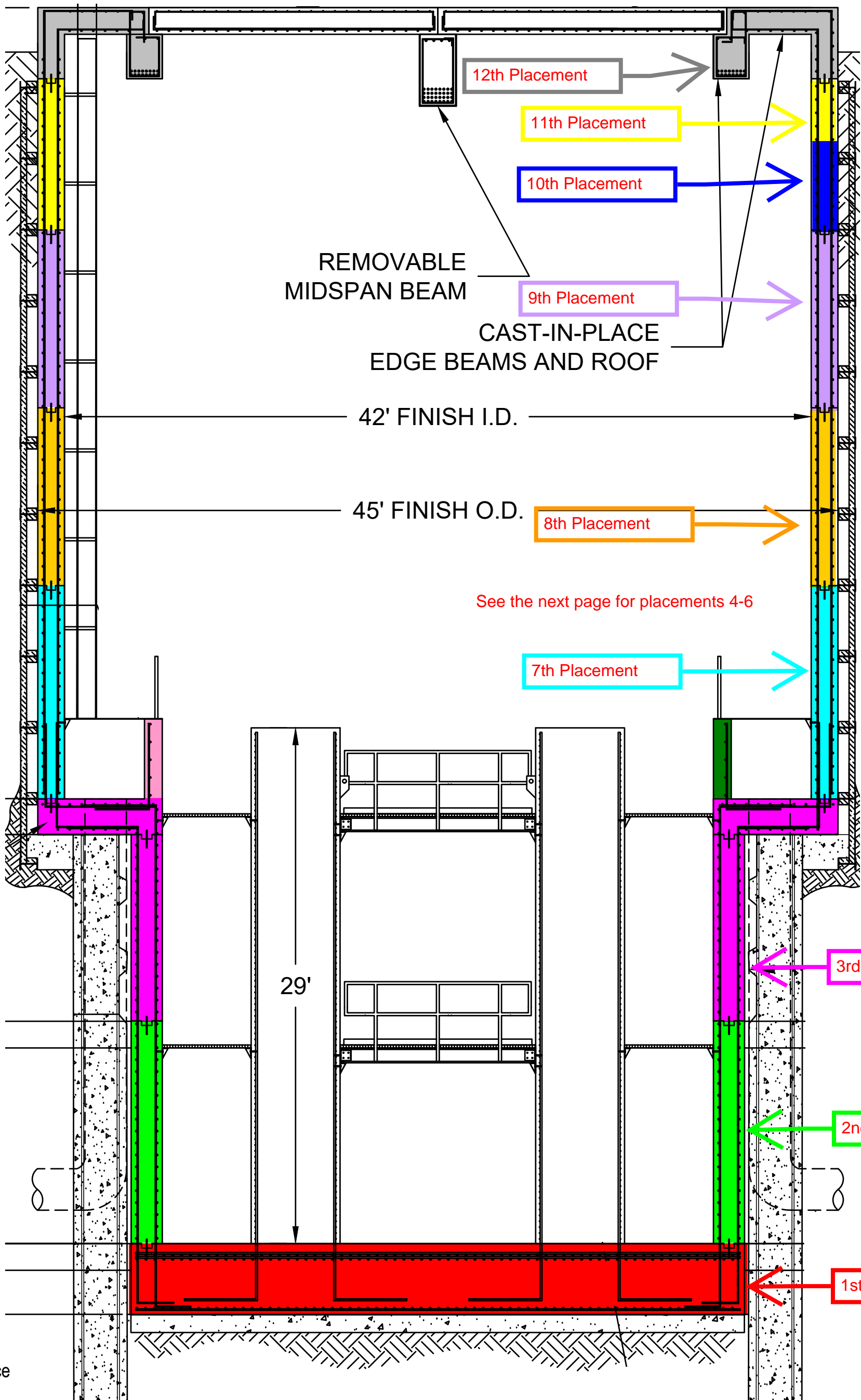
Figure 5 - CS-12 Rebar & Formwork Installation



Figure 6 - CS-12 Concrete Formwork Installation



Figure 7 – Installing Formwork around the Interceptor for the CS-12 Finish Structure

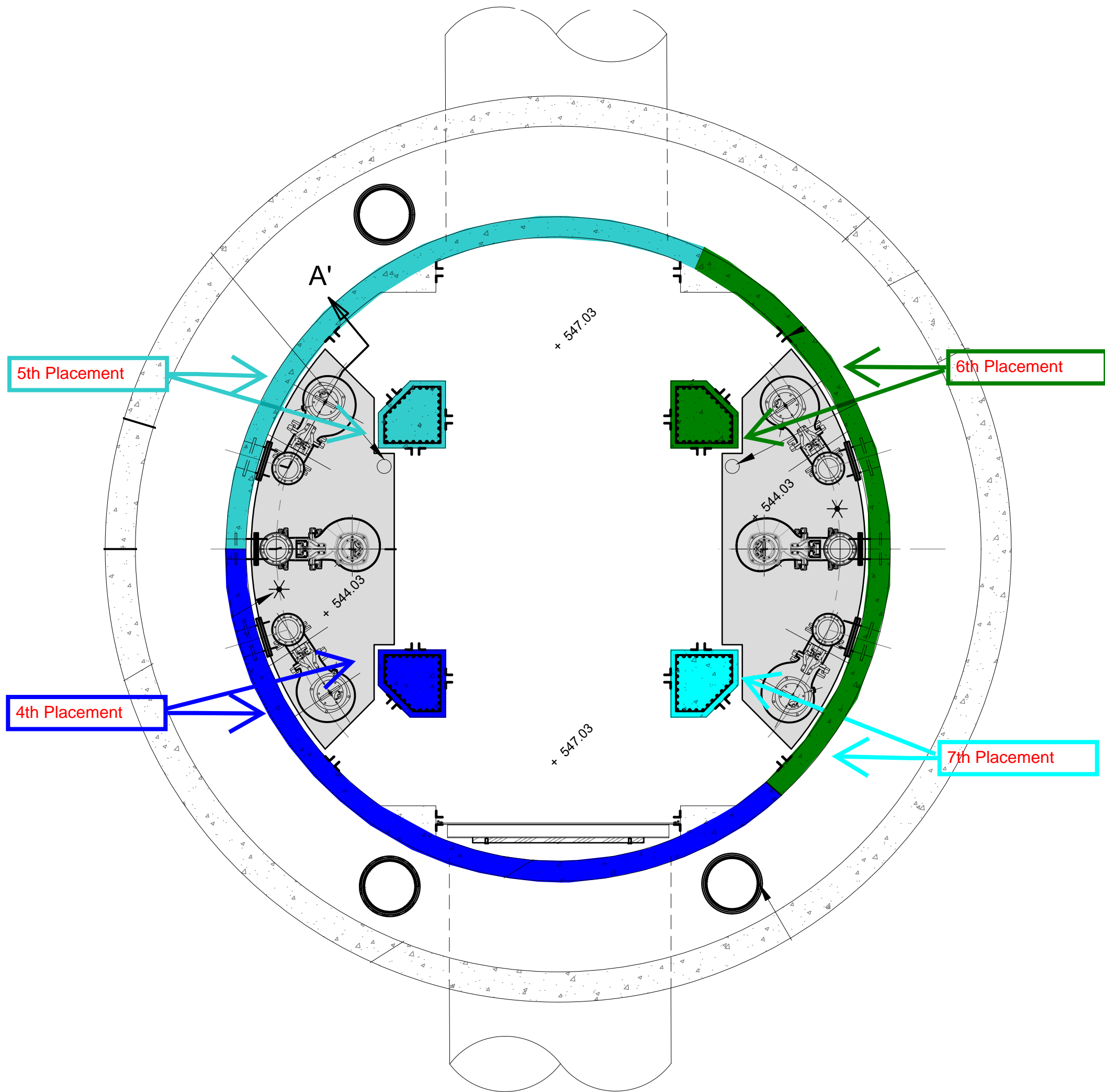


See the next page for placements 4-6

- Pour Sequence
Placement #-
- 1.CS-12 Foundation EL. 547.00
 - 2.1st Lift of CS-12 Walls EL. 559.50
 - 3.2nd Lift of CS-12 Walls EL. 572.00
 - 4.33% of Perimeter Flume & 1 Column
 - 5.33% of Perimeter Flume & 1 Column
 - 6.33% of Perimeter Flume & 1 Column
 - 7.3rd Lift of CS-12 Walls EL. 581.625 & 1 Column
 - 8.4th Lift of CS-12 Walls EL. 589.468
 - 9.5th Lift of CS-12 Walls EL. 597.312
 - 10.6th Lift of Cs-12 Walls EL. 605.156
 - 11.6th Lift of Cs-12 Walls EL. 610.50
 - 12.CS-12 Deck EL. 614.50



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southlandholdings.com



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 continued work in the Garfield Interceptor between M-59 and 21 Mile.
2. The crew continued grouting between M-59 and 21 Mile Roads. The grout quantities injected in the area have reduced which indicates we are nearing completion.
3. A review of historical documents revealed the probable cause for the initially higher than expected grout quantities injected. A cross-section of the Interceptor as constructed is shown in this report.

Construction Costs:

	Date (if applicable)	
Original Contract Amount	6/24/2020	\$3,000,000.00
Change Order No. 1	3/14/2022	\$3,000,000.00
Current Contract Amount	3/14/2022	\$6,000,000.00
Total Spent to Date	3/26/2022	\$3,839,939.00
Remaining Budget	3/26/2022	\$2,160,061.00

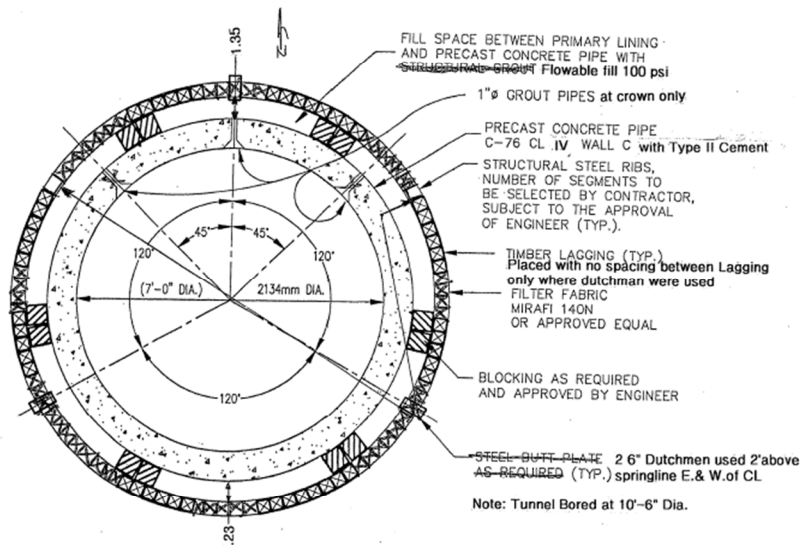


Figure 8 – PCI-45 As-Built Detail



Figure 9 - Typical Infiltration in this Area

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 is finalizing the closeout documents.
2. The Owner, Engineer & Contractor conducted the punch list walk-through, the Contractor is performing the required work to fulfill the punch list.
3. The final balancing change order will be finalized pending completion of the remaining punch-list items.

Construction Costs:

	Date (if applicable)	
Original Contract Amount	12/3/2020	\$857,159.00
Current Contract Amount	3/30/2022	\$863,168.85
Total Spent to Date	3/30/2022	\$770,291.64
Remaining Budget	3/30/2022	\$92,877.21

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 March 2023.

Significant project tasks that have occurred over the past month:

1. The Contractor continues to develop and submit the required submittals to the Engineer & Owner for review.
2. Reversed the jacking frame in CS-13 to facilitate the HOBAS slip lining operation toward the east.
3. The project team is finalizing a recovery plan to continue moving the project forward.
4. The Owner has initiated a Builder's Risk Claim to determine if a claim condition exists.

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	4/30/2022	\$3,181,673.22
Remaining Budget	4/30/2022	\$10,492,536.48

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 May of 2022.

Significant project tasks that have occurred over the past month:

1. The Contractor did not submit a pay application for the months of December, January, February, March or April.
2. The Contractor has approximately 1000LF of the Romeo Arm Interceptor to inspect which will be completed when CS-3 is repaired.
3. The Consultant is reviewing the data and preparing inspection reports.
4. An area in the Garfield Interceptor near 21 Mile Road was observed to have severe degradation on Monday May 2, 2022. A manned-entry inspection occurred on Friday May 6, 2022.
5. The Owner’s Representatives, Engineering Consultant and Contractor are working to coordinate completion of the remaining areas to be inspected.

Construction Costs:

	Date (if applicable)	
Original Contract Amount	1/19/2021	\$280,034.00
Total Spent to Date	11/1/2021	\$62,703.85
Remaining Budget	11/1/2021	\$217,330.15

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

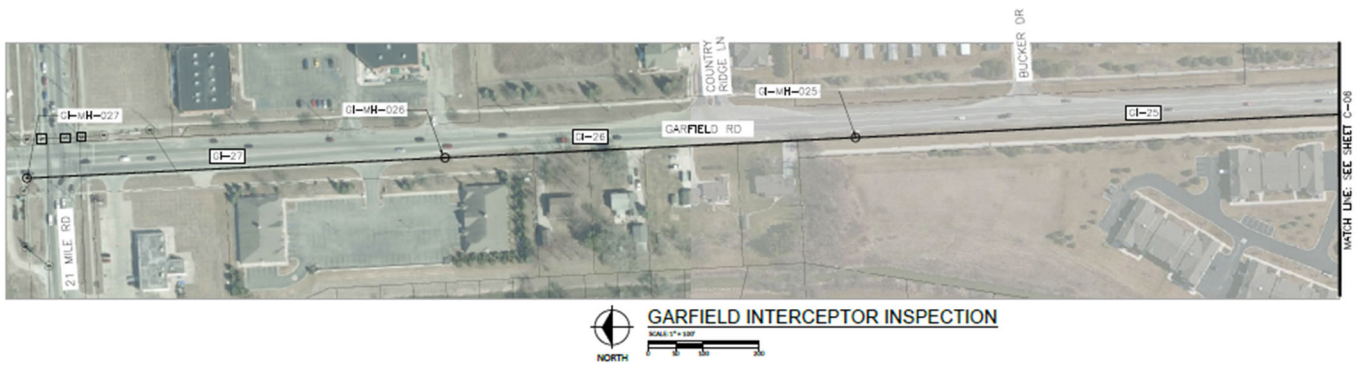


Figure 11 - Garfield Interceptor Deterioration Location



Figure 10 - Severe Deterioration in Garfield Interceptor at MA-S-2 Blind Tap

MACOMB INTERCEPTOR DRAIN
04.06.22 - 05.03.22

<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 – 7.3432% 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	\$ 3,100.00	Invoice #INV000109051 - 03.28.22	1 Year License Renewal - SCADA		
		Astorino	Access Interactive LLC	\$ 4,420.40	Invoice #INV000109217 - 04.13.22	SCADA Maintenance		
		Baker	Aloia & Associates, P.C.	\$ 684.00	Invoice #25950 - 03.01.22	Sale of 45345 Garfield Road - February 2022		
		Astorino	Aquasight	\$ 146,038.00	Invoice #000694 - 04.04.22	Covid-19 Monitoring - Grant	\$ 531,654.00	
		Baker	Astorino, Vincent	\$ 550.00	Invoice #22-165 - 04.11.22	MWEA Conference Registration		
		Astorino	CDW Government	\$ 2,530.14	Invoice #T662012 - 03.18.22	SCADA UPS Devices		
		Astorino	City of Mt. Clemens	\$ 18,130.01	Invoice #28004058 - 03.29.22	Monthly Utilities - February 2022		
		Astorino	De-Cal, Inc.	\$ 556.20	Invoice #WO90022085-1 - 03.29.22	1st Quarter HVAC Preventive Maintenance - Biofilter		
		Downing	Doetsch	\$ 342,153.40	Invoice #71970 - 03.26.22	Phase 2 Grouting 02.27.22 - 03.26.22	\$ 2,359,598.00	
		Astorino	Fishbeck	\$ 2,607.00	Invoice #408120 - 01.26.22	GLWA Assistance 12.25.21 - 01.21.22		
		Astorino	Fishbeck	\$ 1,435.00	Invoice #408227 - 01.26.22	MID Confined Space Entry/LOTO Program	\$ 46,159.38	
		Downing	Fishbeck	\$ 8,425.80	Invoice #408198 - 01.26.22	Inspection Program 12.25.21 - 01.21.22	\$ 188,195.24	
		Astorino	Fishbeck	\$ 1,580.00	Invoice #410662 - 04.22.22	GLWA Assistance 03.19.22 - 04.15.22		
		Astorino	Fishbeck	\$ 1,313.50	Invoice #410679 - 04.22.22	MID Confined Space Entry/LOTO Program/SCADA	\$ 36,627.36	
		Astorino	Fishbeck	\$ 14,918.00	Invoice #410668 - 04.22.22	Wastewater Master Plan 03.19.22 - 04.15.22	\$ 352,985.49	
		Downing	Fishbeck	\$ 22,375.12	Invoice #410691 - 04.22.22	Inspection Program 03.19.22 - 04.15.22	\$ 124,492.19	
		Downing	FK Engineering Associates	\$ 95,682.11	Invoice #20-058-022 - 04.02.22	MCPWO Segment 6 Rehabilitation 02.27.22 - 04.02.22	\$ 1,241,027.22	
		Downing	FK Engineering Associates	\$ 102,611.45	Invoice #20-152-016 - 04.02.22	Romeo Arm Lining Segment 5 CCA 02.27.22 -	\$ 906,311.58	
		Astorino	HESCO	\$ 35,573.89	Invoice #2213546 - 04.11.22	Hydraulic Cylinder		
		Downing	Hubbell, Roth & Clark	\$ 694.86	Invoice #195814 - 04.20.22	SY-S1 Meter Facility Rehabilitation 02.20.22 - 03.19.22	\$ 1,676.47	
		Astorino	METCO Consulting Services	\$ 11,173.66	Invoice #1717-32 - 04.04.22	Flow Control Services 02.28.22 - 04.03.22	\$ 39,130.84	
		Downing	Nickel & Saph, Inc	\$ 197,797.19	Invoice #21848 - 04.12.22	Insurance Renewal 04.26.22 - 04.26.23		
		Downing	NTH Consultants, LTD	\$ 1,641.25	Invoice #629086 - 03.25.22	Drop Shaft Project	\$ 3,020.18	
		Downing	Oscar Renda Contracting	\$ 371,610.00	Invoice #WO19024 - EST#19 - 03.31.22	Romeo Arm Segment 5 Lining 03.01.22 - 03.31.22	\$ 19,177,834.21	
		Astorino	Rescue Training Services LLC	\$ 3,440.00	Invoice #03242022 - 03.24.22	40 Hour Confined Space Training		
		Astorino	Rescue Training Services LLC	\$ 670.00	Invoice #04052022 - 03.24.22	CPR/First Aid/Bloodborne Pathogens Training		
		Downing	Ric-Man Construction	\$ 638,252.63	Invoice #W021026 Est7 - 03.31.22	Segment 6 Services 03.01.22 - 03.31.22	\$ 10,565,668.06	
		Downing	Tetra Tech, Inc.	\$ 24,964.30	Invoice #5187774 - 04.01.22	Odor & Corrosion Design 02.26.22 - 04.01.22	\$ 46,694.22	

MACOMB INTERCEPTOR DRAIN
04.06.22 - 05.03.22

<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 Treasurer	\$ 2,853.09	Invoice #22-157 - 04.04.22	Monthly Electric - 02.22.22 - 03.28.22	
		Astorino	Crane 1 Services, Inc.	\$ 544.00	Invoice #122-10503 - 03.29.22	Annual Crane Inspection	
		Astorino	De-Cal, Inc	\$ 851.20	Invoice #WO9220631 - 04.18.22	Replace Worn Blower Motor Sheave	
		Astorino	DTE Energy	\$ 32,249.94	Invoice #22-162 - 04.03.22	Monthly Electric - 03.02.22 - 04.03.22	
		Astorino	GALCO	\$ 615.09	Invoice #AL59251 - 04.01.22	Replacement Filters	
		Astorino	Premier Safety	\$ 1,050.00	Invoice #04210880 - 3.29.22	Safety Coveralls	
		Astorino	Premier Safety	\$ 610.00	Invoice #04210777 - 03.28.22	SRL and Tripod Testing and Inspection	
<u>Meters</u>		Astorino	Grainger	\$ 955.77	Invoice #9276564326 - 04.12.22	DC Power Supply	
<u>NGI</u>		Astorino	DTE Energy	\$ 1,272.70	Invoice #22-129 - 03.31.22	Monthly Electric - 03.02.22 - 03.30.22	
<u>OMID</u>		Astorino	Access Interactive LLC	\$ 719.60	Invoice #INV000109217 - 04.13.22	SCADA Maintenance - Software Renewal	
Total				\$ 2,095,929.70			

Budget to Actual
MIDD
As of Apr 30, 2022 = 83%

DESCRIPTION	2022 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
GLWA-OMID	47,284,425		39,407,175	7,877,251	83.3%
OMID O&M	3,827,015		3,189,179	637,836	83.3%
Settlement	100,000		427,693	(327,693)	427.7%
Reimbursements	200,000		87,291	112,709	43.6%
PY Revenue-Fund Balance	10,370,340			10,370,340	0.0%
Washington Twp Meter Project	47,470		38,599	8,871	81.3%
Reimb-Local Communities	16,476,210		13,730,175	2,746,035	83.3%
COVID Grant	-		1,009,256		
Interest	60,000		13,478	46,522	22.5%
Total Revenue Accounts	78,365,460	-	57,902,846	21,471,870	73.9%
EXPENSE ACCOUNTS					
GLWA-OMID	47,284,425		39,407,175	7,877,251	83.3%
OMID O&M	3,827,015		3,189,179	637,836	83.3%
Public Works Wastewater Disposal Division	1,702,960		1,231,625	471,335	72.3%
Office Operations/Insurance	332,250		136,642	195,608	41.1%
SCADA	280,490		69,008	211,482	24.6%
Engineering					
Replenish reserve from CPS refunding	618,680		618,680	-	100.0%
Segment 5(Paid from const/ eng reserve)	-		5,227,563	(5,227,563)	100.0%
Segment 6(lawsuit Settlement)	-		3,149,252	(3,149,252)	100.0%
Drop Shaft Repair	-		107,945	(107,945)	100.0%
GLWA Assistance	40,000		18,843	21,157	47.1%
Repair work stemming from inspection program/Phase III Grout	3,200,000			3,200,000	0.0%
Segment 6 Construction Admin	1,500,000		617,767	882,233	41.2%
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		125,884	49,116	71.9%
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		31,434	18,566	62.9%
As Needed Metco	90,000		43,480	46,520	48.3%
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(Part of carryforward below)	38,600		69,996	(31,396)	181.3%
Odor and Control-Construction	1,000,000			1,000,000	0.0%
Odor and Corrosion Design	375,260		400,069	(24,809)	106.6%
COVID Monitoring -Reimburse from grant	-		1,009,256	(1,009,256)	100.0%
Phase II Grouting	2,000,000		1,578,910	421,090	78.9%
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		621,044	1,183,546	34.4%
Wastewater Master Plan/Contract Capacity	330,050		41,703	288,347	12.6%
Data Review-Aquasight	24,090		22,596	1,494	93.8%
Legal Services	150,000		9,357	140,643	6.2%
Clintondale PS O&M	580,000		280,478	299,522	48.4%
NGI O&M	225,000		70,439	154,561	31.3%
Meters O&M	190,970		45,844	145,126	24.0%
CS-3 O&M	216,000		35,618	180,382	16.5%
Biofilter O&M	26,000		8,438	17,562	32.5%
Contribution Life Cycle Reserve	171,700			171,700	0.0%
Interceptor O&M	1,738,450		90,932	1,647,518	5.2%
Stormwater Pump Stations	91,000		75,833	15,167	83.3%
Sewage Disposal Charges - Mt. Clemens	200,000		148,838	51,162	74.4%
Debt Service - Revenue Bonds	1,680,170		1,400,142	280,028	83.3%
Total Expense Accounts	78,365,460	-	59,884,644	18,480,816	76.4%

	O&M Balance 6/30/2021	O&M	Total 4/30/2022
Cash - Operating	37,753,257	(1,981,798)	35,771,459
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		57,902,846	57,902,846
Expenditures		59,884,644	59,884,644
			0
Equity*	37,753,257		35,771,459

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