

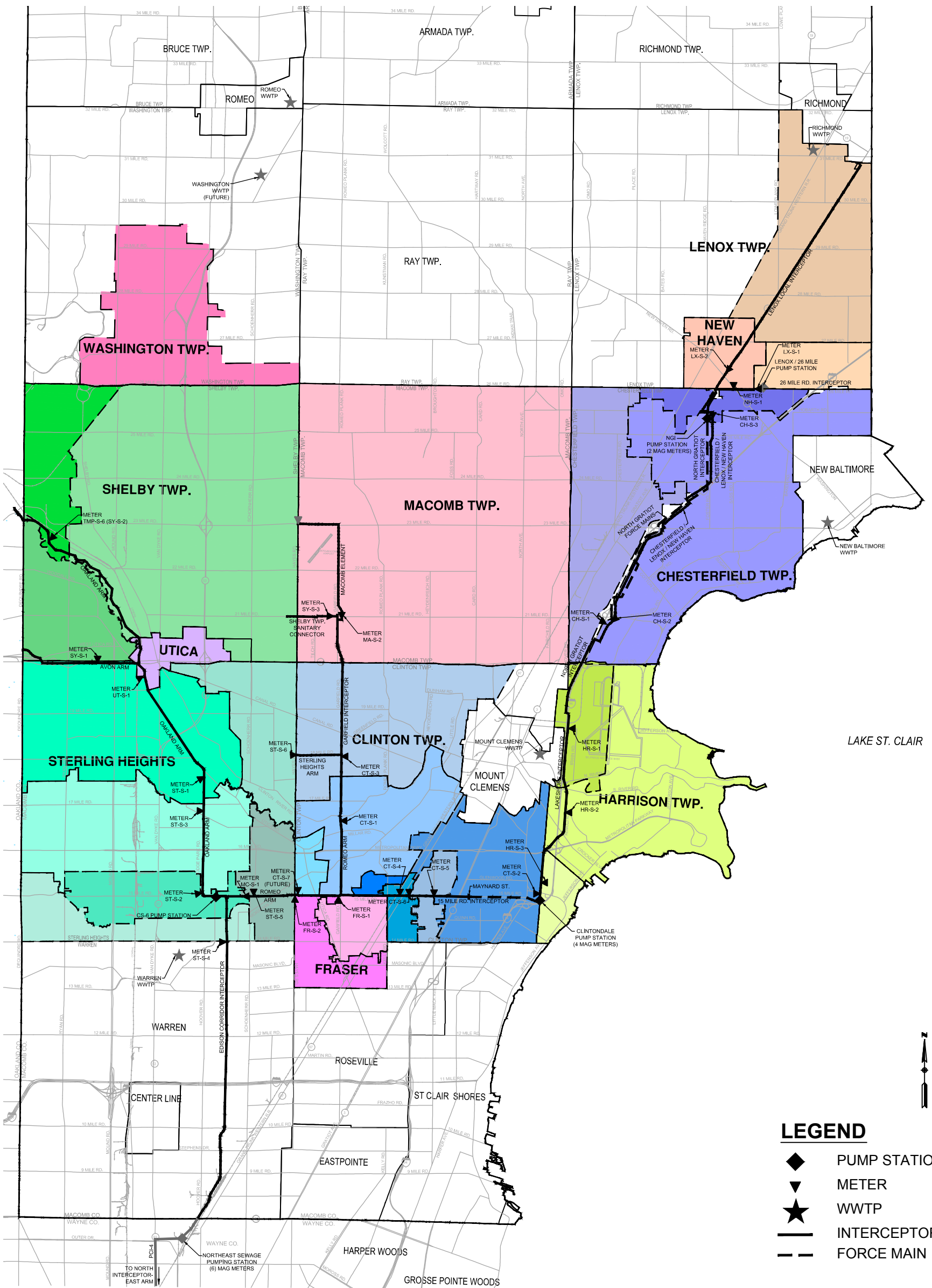
MACOMB INTERCEPTOR DRAIN
INTRA-COUNTY DRAINAGE BOARD
AUGUST 9, 2021
10:30 A.M.
AGENDA

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

**Call in Number: 1-570-671-0198
Access Code: 812 035 695**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for August 9, 2021	3
3. Approval of Minutes for July 12, 2021	
4. Public Participation	
5. Project Updates – Stephen Downing	5
6. Garfield Road Property Sale Offer – Ben Aloia	16
Motion: To approve the offer’s basic terms, subject to MIDDD’s attorney and Commissioner Miller working with the Purchaser to finalize the details of a favorable Purchase Agreement for Commissioner Miller’s execution	
7. Segment 6 Rehabilitation HOBAS Ric-Man Change Order No. 1 – Stephen Downing	18
Motion: To approve the Change Order to Ric-Man Construction for the increased HOBAS cost for Segment 6 in a not to exceed amount of \$132,664.70	
8. Control Structure 3 Spare Parts Recommendation – Vince Astorino	20
Motion: To approve the sole source procurement of necessary CS3 spare parts in case of equipment failures in the amount of \$35,230	
9. Consideration for approval of invoices (see attached)	26
10. Financial Report – Bruce Manning	28
11. 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 July 12, 2021, at 10:45 A.M.

PRESENT: Brian Baker, Acting Chair
Don VanSyckel, Member

ABSENT: Bryan Santo, Member

ALSO PRESENT: Dan Acciavitti, Deputy Government Relations, 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. Baker to approve the agenda as presented.

Adopted: YEAS: 2
NAYS: 0

Minutes of the meeting of June 14, 2021 were presented. A motion was made by Mr. VanSyckel, supported by Mr. Baker to approve the minutes as presented.

Adopted: YEAS: 2
NAYS: 0

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

Mr. Downing stated the Segment 5 Rehabilitation Project has been moving slower this month due to a GLWA power issue at the Northeast Pump Station that was resolved, along with the rain events. They are continuing on as much as possible. The MIDD system handled the rain events very well.

Phase 2 grouting has moved along well the last month, with the area beneath Clinton River near North River Road complete. They have now moved to manhole 6 at I-94 and Ballard Street, and are on schedule.

The Segment 6 Rehabilitation Project contracts were fully executed and are looking to start around August 1, 2021.

The Interceptor Inspection Program is roughly 30% complete in the MIDD and NGI districts with roughly 90% complete in the Lenox Local. They are close to starting manhole inspections.

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

Adopted: YEAS: 2
NAYS: 0

The Chair presented the invoices totaling \$1,058,810.33 to the board for review and approval.

A motion was made by Mr. VanSyckel, supported by Mr. Baker to approve the invoices as presented.

Adopted: YEAS: 2
NAYS: 0

A motion to receive and file the financial report given by Mr. Manning was made by Mr. VanSyckel and supported by Mr. Baker.

Adopted: YEAS: 2
NAYS: 0

There being no further business, it was moved by Mr. VanSyckel, supported by Mr. Baker, that the meeting of the Macomb Interceptor Drain Board be adjourned.

Adopted: YEAS: 2
NAYS: 0

The meeting was adjourned at 11:07 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 July 12, 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: 7/12/21



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: August 9, 2021

Subject: Construction Projects Status Updates for August 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. Completed the installation of the temporary flume and bullheads in the CS-12 Shaft.
3. Due to a limited available pumping capacity at the NESPS work was stopped Friday July 31, 2021 until further notice.
4. Oscar Renda provided support for the construction of the emergency by-pass pumping system related to the limited available pumping capacity at the NESPS.

5. Oscar Renda facilitated the repair of an existing waterline on-site that was determined to be leaking.
6. Delivery of spray-lining equipment arrived from Oscar Renda’s Headquarters in Texas.
7. Reinforcing steel for the CS-12 Structure was delivered.

Construction Costs:

	Date (if applicable)	
Original Contract Amount	9/21/2020	\$28,807,500.00
Total Spent to Date	8/1/2021	\$7,470,718.79
Remaining Budget	8/1/2021	\$21,336,781.21



Figure 1 – Demo of the Lower Half of the Interceptor

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 grouting the area beneath I-94 near Ballard Street at LSI-MH-006. This was an area that covered approximately 3,000 linear feet of the Interceptor.
2. The crew moved to the area near the Clintondale Pump Station to grout the final critical area.
3. This work was suspended Friday July 31, 2021 until further notice due to limited available pumping capacity at the NESPS.
4. Upon completion of the grouting in the last of the designated critical areas, the crew will begin grouting in all other areas within the system.

Construction Costs:

	Date (if applicable)	
Original Contract Amount	6/24/2020	\$3,000,000.00
Total Spent to Date	6/24/2021	\$2,284,422.60
Remaining Budget	6/24/2021	\$715,577.40



Figure 5 – Ventilation Equipment Set-up



Figure 4 - Grouting Rigs at LSI-MH006 at Ballard Street



Figure 3 - Drilling for Grout Port Installation



Figure 2 - Infiltration at Crown of Interceptor

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 Contractor completed all work at the SY-S-1 Meter Facility except installation of the new flow meter, which is expected early in August.
4. The Contractor completed all work at the SY-S-2 Meter Facility except installation of the new flow meter, which is expected early in August.
5. The Contractor performed the initial CCTV inspection of the WA-S-1 connecting sewer.
6. The Contractor constructed the temporary by-pass pumping system at WA-S-1.
7. The Contractor started installing CIPP liner in the connecting sewer on August 4, 2021.
8. The Contractor is scheduled to spray line the manhole structures upon completion of the CIPP liner.
9. The Project will achieve substantial completion in the month of August and Final Completion in September.

Construction Costs:

	Date (if applicable)	
Original Contract Amount	12/3/2020	\$857,159.00
Total Spent to Date	7/28/2021	\$376,753.05
Remaining Budget	7/28/2021	\$480,405.95



Figure 6 - WA-S-1 Connecting Sewer Initial CCTV Inspection



Figure 7 - WA-S-1 Connecting Sewer Initial CCTV Inspection



Figure 8 - WA-S-1 Connecting Sewer Initial CCTV Inspection

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 contract books have been fully executed and delivered to the appropriate parties.
2. The Owner, Engineer and Contractor resolved the Hobas cost increase due to unprecedented price escalation of raw materials (resin, glass) and trucking. This is being presented as Change Order No. 1 during this month's Board meeting.
3. The pre-construction kick-off meeting is scheduled for Thursday August 6, 2021.
4. The Construction Notice to Proceed will be issue on August 7, 2021.

Construction Costs:

	Date (if applicable)	
Original Contract Amount	5/1/2021	\$13,541,545.00
Total Spent to Date	7/1/2021	\$0
Remaining Budget	7/1/2021	\$13,541,545.00

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 7/25/21.
2. The Contractor started the manhole inspections this month, this is summarized on the following page.

Construction Costs:

	Date (if applicable)	
Original Contract Amount	1/19/2021	\$280,034.00
Total Spent to Date	6/25/2021	\$37,730.10
Remaining Budget	6/25/2021	\$242,303.90

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

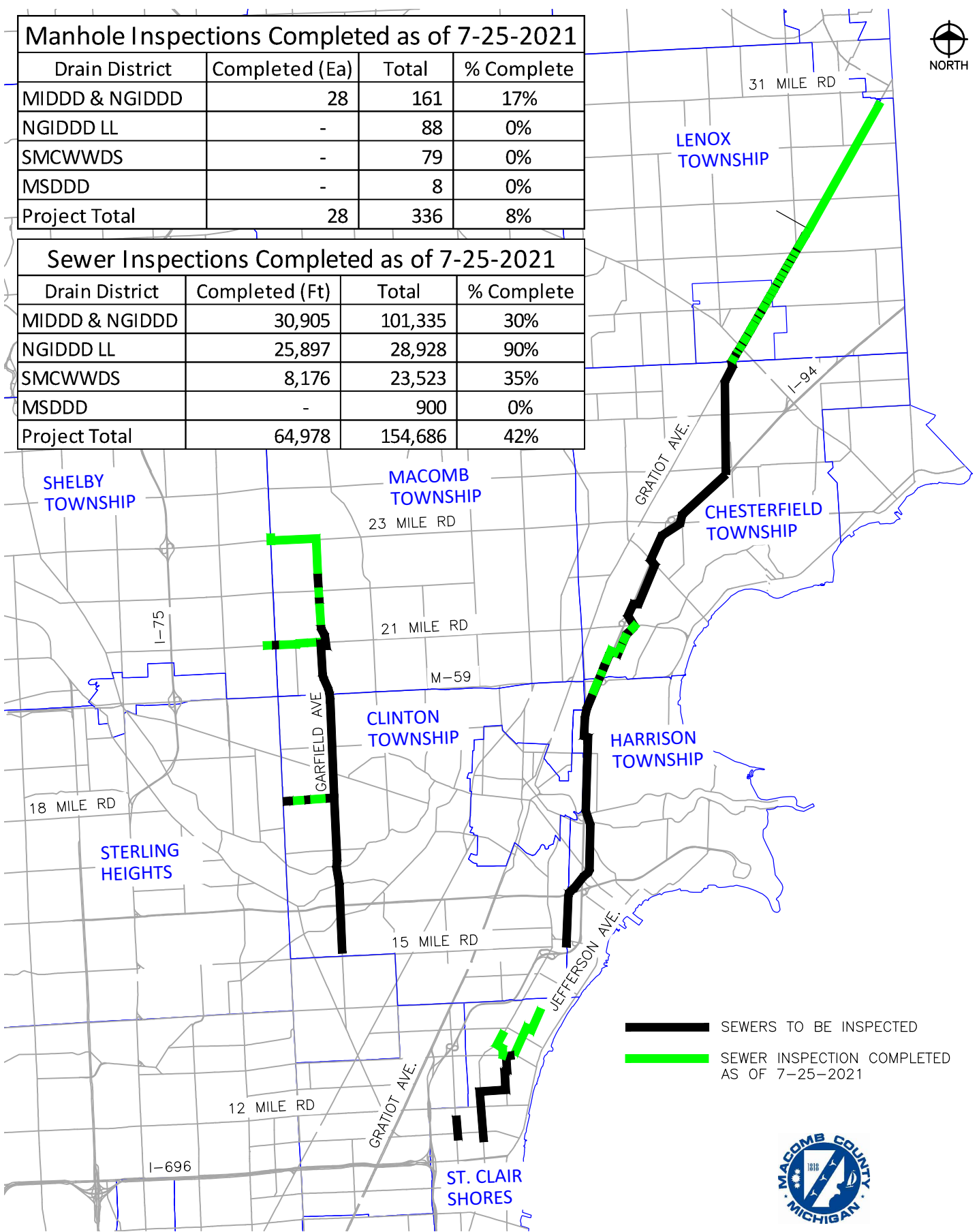
****Due to limited work this month the Contractor did submit an invoice.**

Manhole Inspections Completed as of 7-25-2021

Drain District	Completed (Ea)	Total	% Complete
MIDDD & NGIDDD	28	161	17%
NGIDDD LL	-	88	0%
SMCWWDs	-	79	0%
MSDDD	-	8	0%
Project Total	28	336	8%

Sewer Inspections Completed as of 7-25-2021

Drain District	Completed (Ft)	Total	% Complete
MIDDD & NGIDDD	30,905	101,335	30%
NGIDDD LL	25,897	28,928	90%
SMCWWDs	8,176	23,523	35%
MSDDD	-	900	0%
Project Total	64,978	154,686	42%



SEWERS TO BE INSPECTED
 SEWER INSPECTION COMPLETED AS OF 7-25-2021



Candice S. Miller
 MACOMB COUNTY PUBLIC WORKS COMMISSIONER

MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT
AGENDA ITEM WORKSHEET

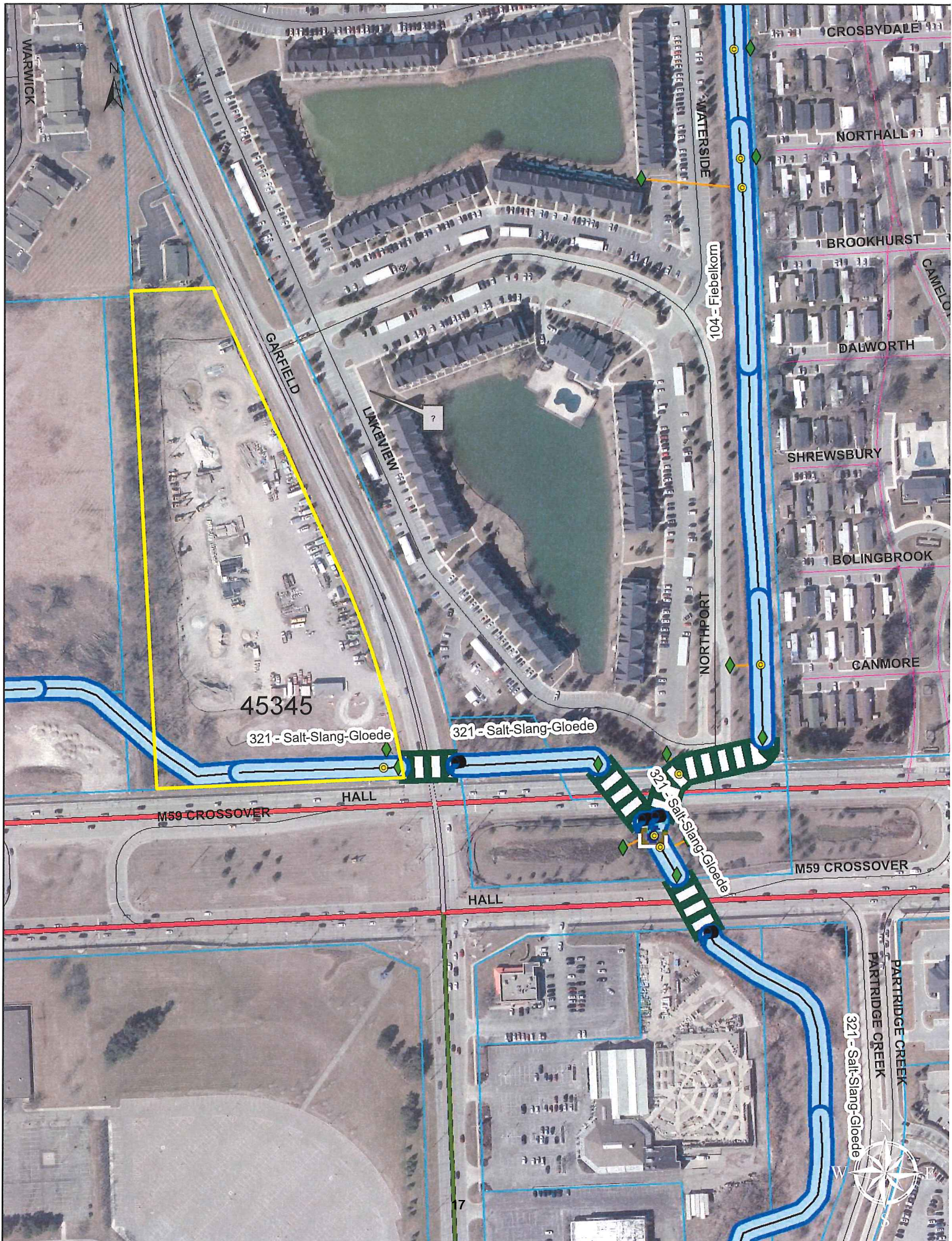
Meeting Date: Monday, August 9, 2021

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 MIDD has recently received three offers for \$2.9 Million. However, after requesting the prospective purchasers to give their “highest and best offer”, we have received the most qualified offer from “Maverick’s Restaurant” as follows:

- \$3.1 Million, no financing contingency – cash deal;
- \$200,000 deposit;
- 150-day due diligence;
 - \$100,000 non-refundable at the earlier of 90 days or when environmental studies are completed.
 - Second \$100,000 non-refundable when they get approval for entrance off M-59.
- MIDD pays a 3% commission or lower;

Recommendation: Approve the offer’s basic terms, 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.



WARWICK



GARFIELD

LAKEVIEW

WATERSIDE

104 - Fiebelkorn

CROSBYDALE

NORTHALL

BROOKHURST

CAMELOT

DALWORTH

SHREWSBURY

BOLINGBROOK

CANMORE

NORTHPORT

45345

321 - Salt-Slang-Gloede

321 - Salt-Slang-Gloede

321 - Salt-Slang-Gloede

M59 CROSSOVER

HALL

HALL

M59 CROSSOVER

321 - Salt-Slang-Gloede

PARTRIDGE CREEK

PARTRIDGE CREEK

17





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: August 9, 2021

Subject: Segment 6 Rehabilitation Ric-Man Construction Change Order No. 1 – HOBAS Price Increase

The MIDDD notified Ric-Man Construction of the intent to award the Contract for the Segment 6 Rehabilitation Project in April 2021. The notice of intent to award was based on the bids received on March 25, 2021 where Ric-Man Construction was the apparent low bidder at \$13,541,545. During the subsequent timeframe while the contract books were being developed by FK Engineering for issuance to Ric-Man Construction for review there was an unprecedented spike in raw material cost and trucking costs became extremely unstable. This resulted in a cost increase of \$332,773.70 for the HOBAS and associated trucking cost to transport the pipe from Texas to Michigan. HOBAS experienced a raw material cost increase of approximately 20% during this time. Additionally, the cost for trucking, where quotes were typically good for 3-4 month windows are now only valid for 24-hours.

After several meetings between MCPWO, FK Engineering, Ric-Man Construction and HOBAS personnel an agreement was reached to share the cost increase among the MIDDD, Ric-Man and HOBAS. HOBAS agreed to absorb \$100,109.00, Ric-Man Construction agreed to absorb \$100,000.00, leaving \$132,664.70 for the MIDDD to absorb. The MIDDD portion will be established as a Not-to-Exceed allowance in the Contract. If the actual trucking costs are lower than what Ric-Man is currently locked in at, that savings will be passed along to the MIDDD.

There are other possible value engineering opportunities within the Project that could provide the MIDDD with cost savings to help offset this cost increase. Ric-Man Construction will submit these opportunities for evaluation by MCPWO and FK Engineering personnel throughout the Project.

The recommendation is that the Macomb Interceptor Drain Drainage District Board approve the Change Order to Ric-Man Construction for the increased HOBAS Cost 6 for the not to exceed amount of \$132,664.70.

Attachments: Change Order No. 1

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 NO.: 1

Owner:	Macomb Interceptor Drain Drainage District	Owner's Project No.:	WWS-2021-002
Engineer:	FK Engineering Associates	Engineer's Project No.:	20-058
Contractor:	Ric-Man Construction	Contractor's Project No.:	
Project:	Segment 6 Rehabilitation		
Contract Name:	Segment 6 Rehabilitation		
Date Issued:	August 6, 2021	Effective Date of Change Order:	August 6, 2021

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

Description:

Due to high volatility in trucking and material prices, the cost of Hobas pipe and trucking increased between bid due date and Notice to Proceed, causing Ric-Man Construction (Ric-Man) and Hobas Pipe USA (Hobas) to renegotiate. To account for this price increase, cost sharing between Ric-Man, Hobas, and Macomb Interceptor Drain Drainage District (MIDDD) has been agreed upon as detailed in the attached Ric-Man memo. The MIDDD will establish an allowance (Allowance Item #8 - \$132,664.70), which will cover a portion of material costs and trucking.

Attachments:

- Revised Specification Section 01 22 00 Measurement and Payment
- HOBAS Pipe Price Increase Letter by Ric-Man Construction
- Hobas Pipe Price Increase Cost Sharing by Ric-Man Construction
- Hobas Pipe Quotes to Ric-Man Construction

Change in Contract Price

Original Contract Price:
\$ 13,541,545.00
Increase this Change Order:
\$ 132,664.70
Contract Price incorporating this Change Order:
\$ 13,674,209.70

Recommended by Engineer

Authorized by Contractor

By (signature): _____

Name & Title: _____

Date: _____

Authorized by Owner

~~Approved by Funding Agency~~

By (signature): _____

Name & Title: _____

Date: _____



Candice S. Miller

Public Works Commissioner
Macomb County

To: Macomb Interceptor Drain Drainage District Board Members

CC: File

From: Vincent Astorino, Operations & Flow Manager

Date: August 4, 2021

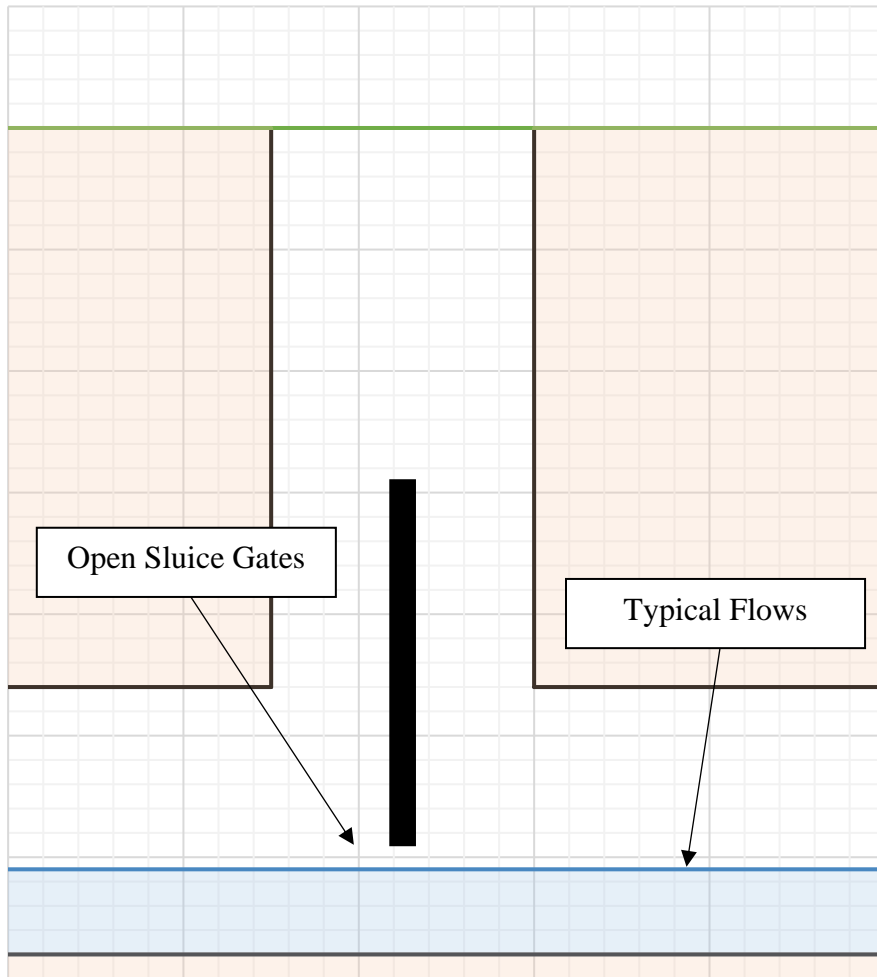
Subject: Control Structure 3 Spare Parts Recommendation

The purpose of this memorandum is to recommend the purchase of necessary spare parts at Control Structure 3 (CS-3).

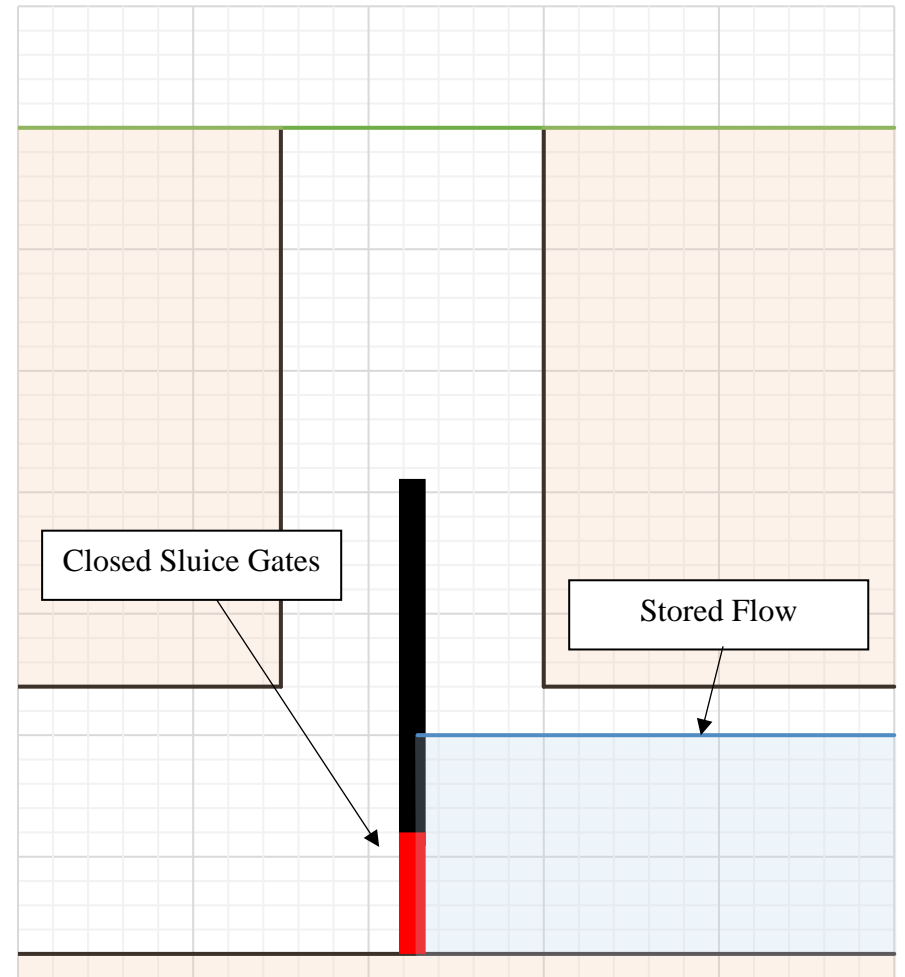
CS-3 is located on the Romeo Arm of the Macomb Interceptor Drain (MID) at 15 Mile and Garfield. This control structure consists of one (1) 14.5 foot tall stop gate and two (2) 4 foot x 2 foot sluice gates. The purpose of this structure is to store flow in the interceptor to accommodate safe working conditions in the interceptor downstream.

During typical operations, the sluice gates are open and flow can travel through the structure unimpeded. When the sluice gates are closed, flow in the Romeo Arm is temporarily blocked and stored in the interceptor upstream of CS3. This operation significantly lowers levels in the interceptor downstream of CS3, allowing workers to perform rehabilitation, maintenance, inspections, etc. within the interceptor. This is illustrated in the figures on the next page:

CS-3 Sluice Gates Open



CS-3 Sluice Gates Closed



Currently there are many active rehabilitation and inspection projects within the MID and Oakland-Macomb Interceptor Drain (OMID) systems that require using CS-3 for storage, to allow work in the interceptors. See below for a list of active projects along with approximate project costs. Along with these active project are various routine maintenance activities that require utilizing CS3.

Active Project Costs

System	Project	Approx. Cost
MID	Segment 5	\$ 26,980,000.00
	Segment 6	\$ 13,541,545.00
	MID Grouting	\$ 11,050,000.00
	Inspection	\$ 421,254.75
	Sub-Total:	\$ 51,992,799.75
OMID	NIEA Rehab	\$ 25,250,000.00
	NESPS Improvements	\$ 44,000,000.00
	CS-9 Installation	\$ 3,300,000.00
	Inspection	\$ 527,000.00
	Sub-Total:	\$ 73,077,000.00
Total:		\$ 125,069,799.75

It is recommended that the board approve the procurement of necessary spare parts to have on hand in case of equipment failures. These spare parts have significant lead times (up to approximately 90 days) and are relatively inexpensive in relation to the \$125,069,799.72 amount of active projects, requiring the use of CS-3. The recommended spare parts list is attached and totals **\$35,230.00**. This is to be covered with under the budgeted \$200,000 for CS-3 O&M.



Quotation

Knowledgeable • Professional • Attentive • Likeable

Original Quotation# : **20210609**

28838 Van Dyke • Warren, MI 48093

Date: **07/14/2021**

Phone: 586.978.7200 • Fax: 586.978.2200

www.hesco-mi.com

Quoted To: Vincent Astorino
Macomb County Public Works Commission
21777 Dunham Rd
Clinton Twp MI 48036

Project Name: CS-3 - Spare Parts

Quoted By: David Burkel

Phone: (586) 772-3425

Fax: (586) 466-6824

Terms: Net 30

Page: 1

<u>Item</u>	<u>Qty</u>	<u>Price</u>	<u>Ext.Price</u>	<u>Description</u>
1	1	235.00	235.00	<u>Hydraulic Gear Pump</u> Parker Gear Pump
2	1	1,150.00	1,150.00	<u>Electric Motor</u> Marathon Motor
3	1	520.00	520.00	<u>Flow Switch</u> Lake Monitors Flow Switch
4	1	85.00	85.00	<u>Pressure Filter</u>
5	2	80.00	160.00	<u>Pressure Gauge</u>
6	2	405.00	810.00	<u>Pressure Switch</u>
7	1	35.00	35.00	<u>Return Filter</u>
8	1	145.00	145.00	<u>Directional Valve - Normally Closed</u>
9	1	145.00	145.00	<u>Directional Valve - Normally Open</u>
10	1	85.00	85.00	<u>Direct Acting Relief Valve</u>
11				



Quotation

Knowledgeable • Professional • Attentive • Likeable

28838 Van Dyke • Warren, MI 48093
Phone: 586.978.7200 • Fax: 586.978.2200
www.hesco-mi.com

Original Quotation# : **20210609**

Date: **07/14/2021**

Quoted To: Vincent Astorino
Macomb County Public Works Commission
Finance Dept
21777 Dunham Rd
Clinton Twp MI 48036

Project Name: CS-3 - Spare Parts

Quoted By: David Burkel

Phone: (586) 772-3425 **Fax:** (586) 466-6824

Terms: Net 30

Page: 2

<u>Item</u>	<u>Qty</u>	<u>Price</u>	<u>Ext.Price</u>	<u>Description</u>
	1	195.00	195.00	<u>Pressure Reducing Valve</u>
12	1	395.00	395.00	<u>Directional Valve - Three Position</u>
13	1	70.00	70.00	<u>Gas Charging Valve</u>
14	1	90.00	90.00	<u>Counter Balance Valve</u>
15	2	605.00	1,210.00	<u>Position Indicator Switch</u>
16	1	1,650.00	1,650.00	<u>Position Indicator Probe</u>
17	1	28,250.00	28,250.00	<u>Hydraulic Cylinder</u> Hydraulic Gate Cylinder

Non-taxable Amount:	35,230.00
Taxable Amount:	
Sales Tax:	
TOTAL:	\$35,230.00

Signature



Quotation

Knowledgeable • Professional • Attentive • Likeable

28838 Van Dyke • Warren, MI 48093
Phone: 586.978.7200 • Fax: 586.978.2200
www.hesco-mi.com

Original Quotation# : **20210609**

Date: **07/14/2021**

Quoted To: Vincent Astorino
Macomb County Public Works Commission
Finance Dept
21777 Dunham Rd
Clinton Twp MI 48036

Project Name: CS-3 - Spare Parts

Quoted By: David Burkel

Phone: (586) 772-3425 **Fax:** (586) 466-6824

Terms: Net 30

Page: 3 of 3

<u>Item</u>	<u>Qty</u>	<u>Price</u>	<u>Ext.Price</u>	<u>Description</u>
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These prices are valid for ninety (90) days. Any shipping will be billed at cost + 15%.

Sales tax will be added to all materials unless we have your exemption form on file.

I accept the terms and conditions of this quotation.

Signed _____

Title: _____

Date: _____

Name: _____

PO#: _____

MACOMB INTERCEPTOR DRAIN - 7/13/21 - 8/3/21

<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>	
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	Aquasight	\$ 166,030.00	Invoice #000649 - 7.2.21	COVID 19 - Monitoring - State Grant	\$ 415,653.00	
		Downing	Anderson, Eckstein & Westrick	\$ 1,628.80	Invoice #132272 - 7.19.21	Dropshaft & Connecting Sewer Rehab through 7.4.21	\$ 182.85	
		Downing	Anderson, Eckstein & Westrick	\$ 21,654.10	Invoice #132277 - 7.19.21	Phase 2 Grouting through 7.4.21	\$ 167,633.70	
		Astorino	ASU Group	\$ 1,500.00	Invoice #MD00152720 - 7.30.21	Annual Administration Fee - Liability Insurance		
		Astorino	CDW Government	\$ 1,249.03	Invoice #H153063 - 7.21.21	SCADA System Maintenance		
		Astorino	City of Mt. Clemens	\$ 21,408.88	Invoice #28002700 - 7.26.21	Monthly Utilities - July 2021		
		Downing	Doetsch	\$ 176,101.80	Invoice #71697 - 7.25.21	Phase 2 Grouting through 7.25.21	\$ 715,577.40	
		Astorino	DTE Energy	\$ 650.00	Invoice #21-438 - 7.29.21	Meter Rehab Underground Secondary Services		
		Astorino	Fishbeck	\$ 12,917.00	Invoice #402588 - 7.14.21	Wastewater Master Plan through 7.9.21	\$ 412,320.31	
		Astorino	Fishbeck	\$ 1,350.00	Invoice #402525 - 7.14.21	GLWA Assistance through 7.9.21	\$ 9,439.37	
		Astorino	Fishbeck	\$ 3,509.00	Invoice #402528 - 7.14.21	As-Needed Engineering through 7.9.21	\$ 56,448.88	
		Astorino	KHVPF PLC	\$ 747.00	Invoice #46783 - 7.1.21	General Matters June 2021 - Contracts		
		Astorino	NTH Consultants, Ltd.	\$ 31,375.18	Invoice #626947 - 7.30.21	Meter & Drop Shaft Rehab through 7.23.21	\$ 1,751.43	
		Astorino	Oscar Renda Contracting	\$ 422,175.41	Invoice #WO19024, Est #11 - 7.28.21	Romeo Arm Segment 5 Lining	\$ 21,336,781.21	
		Astorino	ULINE	\$ 1,995.94	Invoice #135824427 - 7.7.21	Latex Safety Gloves		
		Astorino	Weiss Construction	\$ 54,054.00	Invoice #WO18351 EST #4 - 7.21.21	Metering Facility Rehabilitation through 7.21.21	\$ 480,405.95	
		Biofilter	Astorino	City of Fraser	\$ 863.77	Invoice #21-432 - 7.15.21	Monthly Utilities - 5.18.21 - 6.18.21	
			Astorino	De-Cal, Inc.	\$ 546.20	Invoice #WO90021085-2 - 7.27.21	2nd Quarter Preventative Maintenance on HVAC	
			Astorino	Rotor Electric	\$ 2,500.00	Invoice #3028 - 6.30.21	Switchgear PM/Testing/Inspection	
		CPS	Astorino	CDW Government	\$ 564.78	Invoice #G544545 - 7.7.21	Replacement Battery for SCADA Server	
Astorino	Clinton Township Treasurer		\$ 2,436.53	Invoice #21-426 - 6.21.21	Monthly Utilities - 5.25.21 - 6.22.21			
Astorino	De-Cal, Inc.		\$ 4,450.00	Invoice #WO9211024 - 7.1.21	A/C Replacement - Control Room			
Astorino	De-Cal, Inc.		\$ 1,446.20	Invoice #WO90021091-2 - 7.27.21	2nd Quarter Preventative Maintenance - HVAC			
Astorino	DTE Energy		\$ 15,184.75	Invoice #RQQKM-8CKKX - 7.2.21	Monthly Electric - 6.2.21 - 7.1.21			
Astorino	FJF Door Sales Company, Inc.		\$ 990.00	Invoice #174511 - 6.30.21	Door Repairs to Wet Well/Screening Room			
Astorino	Rotor Electric		\$ 16,800.00	Invoice #3032 - 6.30.21	Switchgear PM/Testing/Inspection			
Astorino	Tri-Star Roofing & Sheet Metal LLC		\$ 887.78	Invoice #21-1357087 - 4.1.21	Roof Repairs			
Meters	Astorino	Aquasight	\$ 58,096.00	Invoice #00647 - 7.2.21	ACE Phase 3 - Part 1 of 6	\$ 208,069.00		

MACOMB INTERCEPTOR DRAIN - 7/13/21 - 8/3/21

<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>
NGI		Astorino	CDW Government	\$ 1,164.62	Invoice #R627217 - 7.8.21	Replacement Battery for Communication Panel	
		Astorino	DTE Energy	\$ 1,083.12	Invoice #RQHGL-XB641 - 7.1.21	Monthly Electric - 6.2.21 - 6.30.21	
		Astorino	Fishbeck	\$ 6,894.05	Invoice #402557 - 7.14.21	2020 Inspection Program through 7.9.21	\$ 233,499.92
		Astorino	Rotor Electric	\$ 2,500.00	Invoice #3029 - 6.30.21	Switchgear PM/Testing/Inspection	
OMID		Downing	Oakland County	\$ 4,259,286.67	Invoice #SDS0007791-July	Monthly Utilities - July 2021	
SEMSD		Astorino	Fishbeck	\$ 5,357.40	Invoice #402589 - 7.14.21	Wastewater Master Plan through 7.9.21	\$ 57,349.20
Total				\$ 5,299,398.01			

Budget to Actual
MIDDD
As of July 31, 2021 = 8%

DESCRIPTION	2022 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
GLWA-OMID	47,284,425		3,940,369	43,344,056	8.3%
OMID O&M	3,827,015		318,918	3,508,097	8.3%
Settlement	100,000			100,000	0.0%
Reimbursements	200,000		19,836	180,164	9.9%
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		1,373,018	15,103,193	8.3%
Interest	60,000		940	59,060	1.6%
<i>Total Revenue Accounts</i>	78,365,460	-	5,653,080	72,712,380	7.2%
EXPENSE ACCOUNTS					
GLWA-OMID	47,284,425		3,940,369	43,344,056	8.3%
OMID O&M	3,827,015		318,918	3,508,097	8.3%
Public Works Wastewater Disposal Division	1,702,960			1,702,960	0.0%
Office Operations/Insurance	332,250		2,335	329,915	0.7%
SCADA	280,490		3,061	277,429	1.1%
<u>Engineering</u>					
Replenish reserve from CPS refunding	618,680			618,680	0.0%
Segment 5(Paid from const/ eng reserve)	-		422,375	(422,375)	0.0%
GLWA Assistance	40,000			40,000	0.0%
Repair work stemming from inspection program/Phase III Grout	3,200,000			3,200,000	0.0%
Segment 6 Construction Admin	1,500,000			1,500,000	0.0%
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			50,000	0.0%
As Needed Metco	90,000			90,000	0.0%
As Needed Wade Trim	70,000		133	69,867	0.2%
Level Sensors/Pressure/H2S-Meters	214,200			214,200	0.0%
Meter Dye Testing	38,600			38,600	0.0%
Odor and Control-Construction	1,000,000			1,000,000	0.0%
Odor and Corrosion Design	375,260			375,260	0.0%
Phase II Grouting	2,000,000		176,102	1,823,898	8.8%
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		54,054	1,750,536	3.0%
Wastewater Master Plan/Contract Capacity	330,050			330,050	0.0%
Data Review-Aquasight	24,090			24,090	0.0%
Legal Services	150,000			150,000	0.0%
Clintondale PS O&M	580,000		2,311	577,689	0.4%
NGI O&M	225,000		5,989	219,011	2.7%
Meters O&M	190,970			190,970	0.0%
CS-3 O&M	216,000			216,000	0.0%
Biofilter O&M	26,000		546	25,454	2.1%
Contribution Life Cycle Reserve	171,700			171,700	0.0%
Interceptor O&M	1,738,450			1,738,450	0.0%
Stormwater Pump Stations	91,000		7,583	83,417	8.3%
Sewage Disposal Charges - Mt. Clemens	200,000			200,000	0.0%
Debt Service - Revenue Bonds	1,680,170		140,014	1,540,156	8.3%
<i>Total Expense Accounts</i>	78,365,460	-	5,131,886	73,233,574	6.5%

	O&M Balance 6/30/2021	O&M	Total 7/31/2021
Cash - Operating	37,753,257	521,194	38,274,451
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		5,653,080	5,653,080
Expenditures		5,131,886	5,131,886
			0
Equity*	37,753,257		38,274,451

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