

## AGENDA

### **Oakland-Macomb Interceptor Drain Drainage Board** Macomb and Oakland Counties

**January 18, 2023 – 11:30 a.m.**

Office of the Oakland County Water Resources Commissioner  
One Public Works, Building 95 West  
Waterford, Michigan, and Microsoft Teams

1. Call meeting to order

Board Members:

Michael Gregg, Chair, Michigan Department of Agriculture and Rural Development  
Candice Miller, Macomb County Public Works Commissioner  
Jim Nash, Oakland County Water Resources Commissioner

2. Motion to approve the meeting agenda for January 18, 2023
3. Motion to approve the Drainage District Board Meeting Minutes from December 14, 2022
4. Public Comment
5. Meadowbrook Insurance Group insurance renewal proposal for the property, public entity liability and pollution liability policies
6. Meadowbrook Insurance Safety Summary Report
7. Motion to approve the following Change Orders:
  - a) Walsh Construction Change Order No. 29 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$22,251.51
8. Motion to approve the following Construction Estimates:
  - a) Construction Estimate No. 27 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$456,658.69 with a transfer to the Oakland County Treasurer in the amount of \$5,037.14
  - b) Construction Estimate No. 22 for Marra Services for NI-EA Contract No. One for PCI 4 Rehabilitation in the amount of \$512,946.02 with a transfer to the Oakland County Treasurer in the amount of \$9,344.64
9. Status of OMID Repairs Project
10. Financial Reports – General Financial Report and Status of State Revolving Fund Financing and Other Financing
11. Motion to approve the following invoices:
  - 1) Labor/Fringes/Non-Direct Labor Factor

|    |  |       |    |            |
|----|--|-------|----|------------|
|    | • Segment 5 NI-EA Construction                                     |       | \$ | 4,558.41   |
|    | • Segment 5 NESPS Mech./Elect. Construction                        |       | \$ | 4,398.31   |
| 2) | Equipment Charges  |       |    |            |
|    | • Segment 5 NI-EA Construction                                     |       | \$ | 144.31     |
|    | • Segment 5 NESPS Mech./Elect. Construction                        |       | \$ | 170.27     |
| b) | ASI  |       |    |            |
| 1) | Invoice No. 8327-46  | NESPS | \$ | 69,837.38  |
|    |  | O&M   | \$ | 7,994.50   |
| 2) | Invoice No. 8328-46a   | O&M   | \$ | 18,458.89  |
| c) | Clark Hill   |       |    |            |
| 1) | Invoice No. 1264979  | O&M   | \$ | 2,943.00   |
| 2) | Invoice No. 1264980  | NI-EA | \$ | 135.00     |
| d) | Dickinson Wright   |       |    |            |
|    | Invoice No. 1762806  | O&M   | \$ | 118.50     |
| e) | Hesco  |       |    |            |
|    | Invoice No. 2214090  | O&M   | \$ | 4,392.50   |
| f) | Inland Lakes Landscaping Corp.                                     |       |    |            |
|    | Invoice No. 24697  | O&M   | \$ | 1,625.00   |
| g) | Kennedy Industries   |       |    |            |
| 1) | Invoice No. 634111   | O&M   | \$ | 693.00     |
| 2) | Invoice No. 634356   | O&M   | \$ | 10,614.45  |
| h) | Metco  |       |    |            |
|    | Invoice No. 1811-48  | O&M   | \$ | 67,907.75  |
| i) | Motor City Electric Company  |       |    |            |
| 1) | Invoice No. 94859  | O&M   | \$ | 225.00     |
| 2) | Invoice No. 94860  | O&M   | \$ | 90.00      |
| 3) | Invoice No. 94919  | O&M   | \$ | 187.00     |
| j) | NTH Consultants, Ltd   |       |    |            |
| 1) | Engineering Design Services Rehabilitation of NI-EA Sections PCI-4 |       |    |            |
|    | Invoice No. 631697   | NI-EA | \$ | 19,643.17  |
| 2) | Contract No. 1 PCI-4   |       |    |            |
|    | Invoice No. 631698   | NI-EA | \$ | 100,146.58 |
| 3) | Eng./Consulting Services NESPS Upgrade                             |       |    |            |
|    | Invoice No. 631699   | NESPS | \$ | 2,541.28   |
| 4) | Additional NESPS Maintenance                                       |       |    |            |
|    | Invoice No. 631700   | O&M   | \$ | 4,111.96   |
| k) | PM Technologies  |       |    |            |
| 1) | Invoice No. 63551014   | O&M   | \$ | 398.50     |
| 2) | Invoice No. 72326530   | O&M   | \$ | 1,050.00   |
| 3) | Invoice No. 72334903   | O&M   | \$ | 1,050.00   |
| 4) | Invoice No. 72338425   | O&M   | \$ | 1,050.00   |
| 5) | Invoice No. 72339325   | O&M   | \$ | 269.50     |
| l) | PMA Consultants  |       |    |            |
|    | Invoice No. 03559.01-30  | NI-EA | \$ | 14,423.88  |

12. Other Business

13. Adjourn

Next Regular Meeting: February 22, 2023, 11:30 a.m., Eastern Standard Time.

**Agenda Item No. 3**

Board Meeting Minutes from December 14, 2022

**MINUTES OF THE REGULAR MEETING OF THE DRAINAGE BOARD  
FOR THE OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT**

December 14, 2022

Minutes of the regular meeting of the Drainage Board of the Oakland-Macomb Interceptor Drain Drainage District held at the Office of the Macomb County Public Works Commissioner, 21777 Dunham Road, Clinton Township Michigan on the 14<sup>th</sup> day of December at 11:30 a.m. Eastern Standard Time and via Microsoft Teams.

**PRESENT:**

Michael Gregg, Chairperson and Deputy for Gary McDowell, Director of the Michigan Department of Agriculture and Rural Development; Brian Baker for Candice Miller, Member and Macomb County Public Works Commissioner; Anne Vaara for Jim Nash, Secretary and Oakland County Water Resources Commissioner.

**OTHERS PRESENT:**

Representing the office of the Macomb County Public Works Commissioner: Stephen Downing and Tom Stockel. Representing the office of the Oakland County Water Resources Commissioner: Steve Korth, Sid Lockhart, Joel Brown, Megan Koss, and Stephanie Lajdziak. Others in attendance: Fritz Klingler, FK Engineering; Terry Moore, Metco; Shawn Phelps and Jeff Ragle, OC Fiscal Services; Larry Gilbert and Michelle Kitzinger, NTH Consultants

1. Call meeting to order.

Chairperson Gregg called the meeting to order at 11:56 a.m.

2. Agenda.

Motion by Baker, supported by Vaara, to approve the December 14, 2022, agenda as presented.

ADOPTED:   Yeas   -     3  
              Nays   -     0

3. Minutes.

Motion by Vaara, supported by Baker, to approve the minutes of the November 9, meeting.

ADOPTED:   Yeas   -     3  
              Nays   -     0

4. Public Comment.

None.

5. Change Order.

The following Change Orders were submitted to the Board for approval:

- a) Marra Services Change Order No. 4 for NI-EA Contract One, PCI-4 Rehabilitation for a net increase in the amount of \$186,892.73. Motion by Baker, supported by Vaara, to approve the Change Order as presented.

ADOPTED: Yeas - 3  
Nays - 0

- b) Walsh Construction Change Order No. 28 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$100,742.85. Motion by Vaara, supported by Downing, to approve the Change Order as presented.

ADOPTED: Yeas - 3  
Nays - 0

6. Construction Pay Estimates.

The following Construction Pay Estimates were submitted to the Board for approval:

- a) Construction Estimate No. 26 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$271,892.97. Motion by Vaara, supported by Downing, to approve the Construction Pay Estimate as presented.

ADOPTED: Yeas - 3  
Nays - 0

- b) Construction Estimate No. 21 for Marra Services for NI-EA Contract No. One for PCI 4 Rehabilitation in the amount of \$149,000.00. Motion by Vaara, supported by Downing, to approve the Construction Pay Estimate as presented.

ADOPTED: Yeas - 3  
Nays - 0

7. Report/Update – Status of OMI Project, Segments 1 through 4, NESPS and NI-EA.

Fritz Klingler of FK Engineering presented the Project Progress Update to the Board and summarized the status of various projects. Motion by Vaara, supported by Downing, to receive and file the report and summary.

ADOPTED: Yeas - 3  
Nays - 0

8. Financial Reports.

Shawn Phelps presented the financial reports for NI-EA and the NESPS. Motion by Vaara, supported by Downing, to receive and file the financial reports.

ADOPTED: Yeas - 3  
Nays - 0

9. Invoices.

The following invoices were submitted to the Board for approval:

- a) Reimbursement

|   |       |    |           |
|---|-------|----|-----------|
| 1) Labor/Fringes/Non-Direct Labor Factor                              |       |    |           |
| • Segment 5 NI-EA Construction  |       | \$ | 4,776.51  |
| • Segment 5 NESPS Mech./Elect. Construction                           |       | \$ | 11,613.66 |
| 2) Equipment Charges  |       |    |           |
| • Segment 5 NI-EA Construction  |       | \$ | 171.03    |
| • Segment 5 NESPS Mech./Elect. Construction                           |       | \$ | 518.59    |
| 3) Reimbursement  |       |    |           |
| • Macomb Invoice No. ARP220272  |       | \$ | 62,514.08 |
| b) ASI  |       |    |           |
| 1) Invoice No. 45-8295  | NESPS | \$ | 88,606.11 |
|   | O&M   | \$ | 8,157.50  |
| 2) Invoice No. 45a-8296   | O&M   | \$ | 13,303.22 |
| c) Clark Hill   |       |    |           |
| 1) Invoice No. 1256387  | O&M   | \$ | 432.00    |
| 2) Invoice No. 1256389  | NI-EA | \$ | 2,052.00  |
| d) CSM  |       |    |           |
| Invoice No. 22OMIDDD-004  | O&M   | \$ | 1,414.00  |
| e) Dickinson Wright   |       |    |           |
| 1) Invoice No. 1749703  | O&M   | \$ | 118.50    |
| 2) Invoice No. 1750284  | O&M   | \$ | 118.50    |
| f) Jacobs   |       |    |           |
| Invoice No. C6A19900-05   | O&M   | \$ | 46,138.66 |
| g) Kone   |       |    |           |
| Invoice No. 962373839   | O&M   | \$ | 730.08    |
| h) Meadowbrook Insurance  |       |    |           |
| Invoice No. 11906   | NESPS | \$ | 51,270.00 |
| i) Mersino  |       |    |           |
| Invoice No. 91130   | O&M   | \$ | 63,871.74 |
| j) Metco  |       |    |           |
| Invoice No. 1811-47   | O&M   | \$ | 72,886.76 |
| k) Motor City Electric Company  |       |    |           |
| 1) Invoice No. 94767  | O&M   | \$ | 180.00    |
| 2) Invoice No. 94768  | O&M   | \$ | 885.05    |
| 3) Invoice No. 94769  | O&M   | \$ | 180.00    |
| 4) Invoice No. 94807  | O&M   | \$ | 90.00     |
| 5) Invoice No. 94808  | O&M   | \$ | 90.00     |
| 6) Invoice No. 94831  | O&M   | \$ | 67.50     |
| 7) Invoice No. 94832  | O&M   | \$ | 270.00    |
| l) NTH Consultants, Ltd   |       |    |           |
| 1) Engineering Design Services Rehabilitation of NI-EA Sections PCI-4 |       |    |           |
| Invoice No. 631351  | NI-EA | \$ | 30,137.88 |
| 2) Contract No. 1 PCI-4   |       |    |           |
| Invoice No. 631352  | NESPS | \$ | 96,602.24 |
| 3) Consulting Services Regarding NESPS Pumping and Electrical         |       |    |           |
| Invoice No. 631355  | NESPS | \$ | 330.49    |
| 4) Consulting Services Regarding 2021 System Inspection               |       |    |           |
| Invoice No. 631356  | O&M   | \$ | 6,262.84  |
| 5) Rehabilitation Program 2021 Closeout Services                      |       |    |           |

|    |                              |       |    |           |
|----|------------------------------|-------|----|-----------|
|    | Invoice No. 631357           | O&M   | \$ | 1,170.77  |
| 6) | Additional NESPS Maintenance |       |    |           |
|    | Invoice No. 631358           | O&M   | \$ | 6,295.64  |
| m) | PMA Consultants              |       |    |           |
|    | Invoice No. 3559.01-29       | NI-EA | \$ | 15,969.31 |
| n) | Rotor Electric               |       |    |           |
| 1) | Invoice No. 12540            | O&M   | \$ | 2,962.50  |
| 2) | Invoice No. 12541            | O&M   | \$ | 990.00    |
| 3) | Invoice No. 12542            | O&M   | \$ | 1,465.00  |
| 4) | Invoice No. 12543            | O&M   | \$ | 1,758.00  |
| 5) | Invoice No. 12544            | O&M   | \$ | 732.50    |
| 6) | Invoice No. 12546            | O&M   | \$ | 3,751.03  |
| 7) | Invoice No. 12547            | O&M   | \$ | 5,273.00  |
| 8) | Invoice No. 12550            | O&M   | \$ | 1,611.50  |
| 9) | Invoice No. 12551            | O&M   | \$ | 3,843.52  |

Motion by Vaara, supported by Downing, to approve the invoices as presented.

ADOPTED: Yeas - 3  
Nays - 0

10. Other Business.

None.

11. Adjourn.

Motion by Vaara, supported by Downing, to adjourn the January 18, 2022, meeting at 1:11 p.m.

ADOPTED: Yeas - 3  
Nays - 0

Next Regular Meeting: *Office of the Oakland County Water Resources Commissioner, One Public Works Drive, Building 95 West, Waterford, Michigan* and electronically at 11:30 a.m., Eastern Standard Time on January 18, 2023

I hereby certify that the foregoing constitutes the minutes of the Drainage Board for the Oakland-Macomb Interceptor Drain Drainage District, at a meeting held on December 14, 2022, and that the meeting was conducted and public notice was given in compliance with the Open Meetings Act being Act 267, Public Acts of Michigan, 1976, as amended, and that the minutes were kept and will be or have been made available to the public as required by the Act.

IN WITNESS WHEREOF, I have hereunto affixed my official signature on this 14<sup>th</sup> day of December 2022.



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Anne Vaara, Acting Secretary  
Oakland-Macomb Interceptor Drain Drainage Board



## **Agenda Item No. 4**

### Public Comment

## **Agenda Item No. 5**

Meadowbrook Insurance



# **Oakland-Macomb Interceptor Drain Drainage District**

*Building 95 West, One Public Works Drive, Waterford, MI 48328*

## **Proposal for Property, Public Entity Liability, and Pollution Insurance**

**01/25/2023**

*to*

**01/25/2024**

*(as of 1/3/2023)*

# Oakland-Macomb Interceptor Drain Drainage District

## Marketing Summary 01/25/2023 to 01/25/2024

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### OMIDD January Insurance Renewals Summary

We have completed the renewal process for the OMIDD insurance program renewing January 25, 2023. The hardening marketplace continues to be a major challenge through most lines of coverage, with carriers reducing capacity, increasing rates and in some cases, withdrawing from certain segments of the market altogether. Our objective is always to provide the broadest coverage at the most competitive pricing.

From the table below, the total renewal premium for the January insurance policies increased from \$843,680 at expiring to \$915,494 (+8.5%) at renewal. Some notable points regarding the marketing of the 2023 OMIDD insurance renewals are:

- Property Coverage: The Chubb property policy is current in the middle of a (2) year term through 2024. We marketed the property policy prior to the current 2-year term however based on appetite, coverage, and price, Chubb was the best carrier to place the coverage. The negotiated rate increase on the (2) year policy is below market average and forecasted trends at +5%. Property insurance is continuing to see low to mid double-digit rate increases due to increased claims payouts and industry profitability related to weather incidents and national disasters. The renewal premium has *increased 9.45%* for this renewal, which includes the 4.4% Engineering News Record Construction Cost Index value increase, and a 5% property rate increase putting the total annual premium at \$418,058. Locking in the two-year term at renegotiated rates was a successful strategy due the market trends allowing another below average rate increase for the renewal. If anything changes in the property market we will revisit alternatives at next renewal.

## Marketing Summary *(continued)*

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- Public Entity (PE) Liability: The previous renewal presented a challenge with the Trident Program no longer offering public entity liability coverage. Due to this we approached the marketplace for carriers that can consider drainage districts. Our efforts produced a suitable replacement with Lexington (AIG) in a very tight marketplace. The public entity marketplace continues to see considerable disruption in rate, coverage, and reduced capacity for limits. Lexington offered a very favorable renewal at \$248,152 which is a 2% increase over expiring. Trident has reemerged in the space effective 01/01/2023 with a replacement carrier and are currently reviewing your account as a possible alternative for your consideration. Due to the size and scope of OMIDD, it is too large for what most carriers are willing to consider in their appetite for a drainage district.
- Excess Liability: The excess marketplace continues to be impacted by the hardening market more than any other line of business. Many of the Public Entity carriers have continued to cut back on limits and raise premiums, with some even exiting the space entirely. The incumbent, AWAC, was unable to offer the primary \$10M excess this year. However, we were able to find a suitable replacement with Homesite Insurance through Allied Public Risk. Merchants National Ins. Co. has offered renewal terms for the \$10M excess of \$10M policy to complete the liability tower. Market data shows excess liability policies are seeing more price volatility compared to underlying liability coverage.
- Pollution Liability: Last renewal, OMIDD's Pollution Liability carrier Zurich pulled out of the market. Our marketing efforts resulted in Chubb providing the best coverage at the most competitive price point. This year, the renewal coverage was quoted through Chubb insurance at \$66,630 premium, which reflects a 5% increase over the expiring term.

# Oakland-Macomb Interceptor Drain Drainage District

## Premium Summary

| POLICIES                           | EXPIRING PROGRAM<br>2022-2023   | PROPOSED PROGRAM<br>2023-2024  | National<br>Market Price<br>Forecast Trend                     |
|------------------------------------|---|--|--|
| Property                           | \$381,961<br>ACE / Chubb TIV:<br>\$657,159,271<br>Limit: \$150M<br>Deductible: \$3M | \$418,058<br>ACE / Chubb TIV:<br>\$684,769,955<br>Limit: \$150M<br>Deductible: \$3M<br>4.4% Increase in TIV<br>5% Increase in Rate | 10%-20%<br>Increase<br><br>(Not inclusive of<br>TIV increases) |
| Public Entity<br>Liability         | \$243,260<br>Lexington / AIG [1]<br>Limit: \$1M/\$2M<br>SIR: \$250k                 | \$248,152<br>Lexington / AIG [1]<br>Limit: \$1M/\$2M<br>SIR: \$250k<br>2% Increase in Rate   | 2.5%-15%<br>Increase   |
| Excess Liability<br>\$10M xs \$1M  | \$110,780<br>Allied World<br>Limit: \$10M/\$10M                                     | \$136,479<br>Homesite Ins. Co.<br>Limit: \$10M/\$10M<br>23.1% Increase in Rate   | 2.5%-15%<br>Increase   |
| Excess Liability<br>\$10M xs \$10M | \$44,222<br>Merchants National<br>Limit: \$10M/\$10M                                | \$46,175<br>Merchants National<br>Limit: \$10M/\$10M<br>4.4% Increase in Rate  | 2.5%-15%<br>Increase   |
| Pollution Liability<br>\$5M        | \$63,457<br>ACE / Chubb Limit: \$5M<br>Retro-Date: 1/25/17<br>Deductible: \$250k    | \$66,630<br>ACE / Chubb Limit: \$5M<br>Retro-Date: 1/25/17<br>Deductible: \$250k<br>5% Increase in Rate                            | 0%-15%<br>Increase   |
| <b>TOTAL</b>                       | <b>\$843,680</b>  | <b>\$915,494</b>   | <b>8.5% Increase<br/>over expiring</b>                         |

[1] Lexington Insurance requires the use of AIG's TPA Services which will carry an additional service fee of \$1,500.

## **Agenda Item No. 6**

### **Meadowbrook Insurance Safety Summary Report**

## OCIP Safety Summary Report

### January 18th, 2023

|                         |   |
|-------------------------|---|
| <b>Owner:</b>           | Oakland Macomb Interceptor Drain Drainage District                |
| <b>Project 1:</b>       | Northeast Sewage Pump Station Odor Control Project (Completed)    |
| <b>Project 2:</b>       | Northeast Sewage Pump Station Renovation (Active)                 |
| <b>Project 3:</b>       | North Interceptor – East Arm Rehabilitation Project (Active)      |
| <b>GC/CM:</b>           | 1) CSM 2) Walsh Construction Company, LLC 3) Marra Services, Inc. |
| <b>Report Timeline:</b> | 2 <sup>nd</sup> & 3 <sup>rd</sup> Quarter 2022                    |

|                                    |                  |
|------------------------------------|------------------|
| <b>OCIP Safety Representative:</b> | Richard Trembath |
|------------------------------------|------------------|

Site safety report for the Northeast Sewage Pump Station Renovation and North Interceptor – East Arm Rehabilitation Project. Overall, the site is observed as clean, organized, and operating smoothly.

#### MIOSHA Data

|                                   |   |  |
|-----------------------------------|---|--|
| <b>NESPS Odor Control Project</b> | Completed Odor Control Project with Zero MIOSHA Recordable Cases                      |  |
| <b>NESPS Renovation Project</b>   | No MIOSHA Recordable Cases for NESPS Renovation Project OCIP Enrolled Contractors     |  |
| <b>NI-EA Rehab</b>                | No MIOSHA Recordable Cases for PCI-4 Rehabilitation Project OCIP Enrolled Contractors |  |

| Hours and Tasks               | NESPS   | NI-EA PCI-4 |
|-------------------------------|---------|-------------|
| Contractor Hours              | 132,376 | 15,234      |
| Job Safety Analysis Performed | 145     | 3           |
| Lifting Safety Plans Reviewed | 15      | 0           |
| Safety Plan Revisions         | 46      | 0           |
| Toolbox Talks                 | 555     | 26          |
| Lost Time Injuries            | 0       | 0           |

#### Ongoing Operations & Accomplishments

- Attends and participates weekly project progress meetings with Marra Services and Walsh Construction for their phases of the project.
- Involved in site safety communication and coordination with OMIDDD site representatives, project engineers, and consultants.
- Observes and documents daily work to prevent critical safety issues from developing. If issues discovered contractors are updated to address moving forward.
- Daily recap report provided for any daily incidents to prevent critical and reoccurring issues
- Kept project up to date and made sure everyone was operating under current COVID-19 protocols as recommended by the CDC.
- Participated and helped to develop NESPS Safety Manual prepared by NTH Team.
- Worked with contractors and team to develop weekly Job Safety Analysis for the work ahead to prevent injury, damage, and delay of the project.
- Monitoring participating and potential contractors on site for required enrollment.
- On site meeting with Lardner Elevator Corp regarding potential elevator installation for the wet well at the NESPS. The is a special Class I Div 1 equipment due to flammability/H2S corrosive atmosphere. This requires additional safety planning and oversight due to nature of work.
- Involved in critical task changing out the knife gates with involves flow control. Worked with Walsh on process and toolbox talk around safety for changing knife gates. Ongoing process for knife gate swaps.



## Critical Observations & Corrective Actions

### No Fall Protection use above six Feet

- It was observed no fall protection was used when contractor walked on electrical box at a height greater than six feet. Scissor lift was used to get on top of electrical box.
- Fall protection is critical for site safety to prevent injury.
- Corrective Action: Addressed with contractor and fall protection utilized.

### NCN Confined Space Safety Procedure Violation

- April 29<sup>th</sup> Marra Services made entry into the PCI-4 Interceptor for installation of Channeline linear segments using diesel powered equipment. Onsite observations found several confined space safety procedures note being followed:
  - Ventilation fan access shaft did not have ducting system extending to the bottom of the access shaft
  - Ventilation fan access shaft not in operation while crew were in the interceptor
  - Designated “top person” had no observable means of communication with the crew inside the interceptor
  - Crew members not wearing fall arrest harnesses and not tied-off to the man basket.
- Corrective Action: Non-conformance notice issued. Safety Stand-Down Meeting held on May 2<sup>nd</sup> to discuss confined space safety procedures and required corrective actions in order for Marra to continue work on the project.

### Marra Lifting Incident of Channeline Pipe Sections

- Crane lift of Channeline pipe resulted in pipe section falling 4 feet to the ground. No injuries, damage to Channeline pipe occurred requiring repair.
- Corrective Action: Rigging safety and strategy meeting held with Channeline Rigging / Lifting Specialist. It was found the rough surface of the Channeline Pipe was destroying the nylon straps used during lifting.
- Secure lifting of critical equipment is very important. The current supply chain issues present significant delays in getting equipment and materials in the construction industry if damaged equipment needs to be replaced.



**Closeout**

Current estimated completion dates:

- Northeast Sewage Pump Station is 4th quarter 2024
- North Interceptor - East Arm contract #1 is 4th quarter 2023
- North Interceptor - East Arm contract #2 is 4th quarter 2025

Estimated completion dates have been pushed back due to COVID-19 pandemic related supply chain issues. This has impacted both portions of the project to no fault of safety, engineering, or contractors.

**Northeast Sewage Pump Station Project – Enrolled Contractors**

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• The Walsh Group</li> <li>• Gillett Excavating</li> <li>• John E. Greene Company</li> <li>• GPRS</li> <li>• CB, Inc.</li> <li>• FMG Saw Cutting Inc.</li> <li>• Union Caisson, Inc.</li> <li>• De-Cal, Inc.</li> <li>• Allied Ventilation, Inc.</li> <li>• Rival Insulation</li> <li>• D.C. Byers Company</li> <li>• Professional Engineering Associates, Inc.</li> <li>• Performance Environmental Services, Inc.</li> <li>• Doestch Environmental</li> <li>• Ventcon, Inc.</li> <li>• General Steel Erectors, Inc.</li> <li>• Comet Contracting, Inc.</li> <li>• Great Lakes Ceiling &amp; Carpentry, Inc.</li> <li>• Heritage &amp; Company Inc.</li> <li>• Process Control &amp; Instrumentation LLC</li> <li>• Industrial Fence and Landscaping, Inc.</li> <li>• Commercial Contracting Corporation</li> <li>• Innovated Energy Controls LLC</li> <li>• Heartland Industrial Solutions LLC – <i>new</i></li> <li>• Lube-Power, Inc. – <i>new</i></li> <li>• Badger Daylighting Corp – <i>new</i></li> </ul> | <ul style="list-style-type: none"> <li>• Rotor Electric Company of Michigan, LLC</li> <li>• Christman Constructors, Inc.</li> <li>• Shaw Electric</li> <li>• Ideal Contracting, LLC</li> <li>• Quality Re-Steel</li> <li>• Cross Enterprise, Inc.</li> <li>• Nationwide Construction Group</li> <li>• Ram Construction Services</li> <li>• Signature Contracting Group, LLC</li> <li>• Leidal &amp; Hart Mason Contractors, Inc.</li> <li>• Great Lakes Dock &amp; Door LLC</li> <li>• Solid Platforms, Inc.</li> <li>• Elite Environmental</li> <li>• RJ Stacey LTD</li> <li>• Ross Structural Steel, Inc.</li> <li>• Blue Star, Inc.</li> <li>• Schreiber Corporation</li> <li>• Trane US Inc.</li> <li>• D/A Central Inc.</li> <li>• FRP Construction, LLC</li> <li>• Peterson Glass Company, Inc.</li> <li>• Detroit Diamond Drilling</li> <li>• Utilities Instrumentation Services, Inc.</li> <li>• Mechanical Solutions, Inc. – <i>new</i></li> <li>• RESA Service, LLC – <i>new</i></li> <li>• Laramie Enterprise, Inc. – <i>new</i></li> </ul> |
|--|--|

**North Interceptor – East Arm Rehabilitation Project – Enrolled Contractors**

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• Marra Services, Inc.</li> <li>• State Barricades, Inc.</li> <li>• PK Contracting Inc.</li> <li>• Rotor Electric Company of Michigan, LLC</li> <li>• Geotech Services, Inc. – <i>new</i></li> </ul> | <ul style="list-style-type: none"> <li>• Griffin Contract Dewatering LLC</li> <li>• FMG Concrete Cutting Inc.</li> <li>• Cascade Drilling L.P.</li> <li>• National Construction Rentals</li> </ul> |
|---|--|

## **Agenda Item No. 7**

### **Change Order**

**CHANGE ORDER NO. TWENTY-NINE**

Oakland Macomb Interceptor Drain, Drainage District (OMIDDD)

For Construction of the Pump and Electrical Upgrades Project

Northeast Sewage Pumping Station (NESPS)

Located in the City of Detroit, Wayne County, Michigan

**CONSTRUCTION MANAGER,  
AT RISK (CMAR)  
Walsh Construction Co. II, LLC**

**Authorization for:** 1) Additional efforts to seal-off water infiltration at the Sewage Pump Discharge Piping/ interior wall interface; 2.) Provide additional budget for the specialized corrosion coating Consultant to provide independent Quality Control oversight on the fabricated steel pump discharge lines.

\*\*\*\*\*

Address:

Walsh Construction Co. II LLC  
3031 West Grand Blvd., Suite 640  
Detroit, MI 48202

Change Order No. 29 Date: January 06, 2023

|          | Location-Description-Reason   | Unit | Est. Qty. | Unit Price  | Amount Increase | Amount Decrease |
|----------|---|------|-----------|-------------|-----------------|-----------------|
| 29<br>-1 | <p><b>LOCATION:</b></p> <p>The Northeast Sewage Pumping Station;<br/>Detroit, Wayne County, Michigan</p> <hr/> <p><b>DESCRIPTION (Extra/ Add):</b></p> <p>Provide additional budget for the specialty grouting subcontractor (D.C. Byers Co.) to return to the NESPS to complete final leak sealing of water infiltration at the interior (caisson) wall interface where the main sewage discharge pipes penetrate into the Gatehouse Discharge Chamber.</p> <p><b>REASON:</b></p> <p>Each of the main sewage pumps have large diameter ( 48" to 78") steel pipe penetrations that extend through the exterior walls. Over time, seepage has developed that allowed water to accumulate inside the pump station creating both a safety and maintenance concern.</p> | LS   | 1 ea.     | \$17,975.09 | \$17,975.09     | -0-             |
| -        | <p>Change Order No. 12 (in support of Work Directive No.30) was issued to address the major sources of leakage that were observed at</p>  | LS   | ea.       |             |                 | -0-             |

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 29

|          | Location-Description-Reason   | Unit | Est. Qty. | Unit Price  | Amount Increase | Amount Decrease |
|----------|---|------|-----------|-------------|-----------------|-----------------|
|          | <p>Pumps # 1,2,5, and 6 structure wall penetrations.</p> <p>While largely successful overall, the Pump # 1 location continues to exhibit minor infiltration that remains unacceptable.</p> <p>The grouting crew will now return to perform final aesthetic "patching" of the original grout ports and also perform additional chemical grouting to complete the sealing effort at Pump # 1 (and elsewhere, if deemed necessary) as outlined in the current Work Directive No. 63.</p> <p>Attachment:<br/>Walsh Construction PCI No.970109</p>   |      |           |             |                 |                 |
| 29<br>-2 | <p><b>DESCRIPTION:</b></p>  | 1    | LS        | \$ 4,276.42 | \$4,276.42      | -0-             |
|          | <p>Provide additional compensation for the Corrosion Control Consultant (Dixon Engineering) to verify the quality standards for Tnemec coatings on the final grouping of steel pump discharge piping.</p> <p><b>REASON:</b></p> <p>Previous unsatisfactory performance of certain coating products on other projects has demonstrated that the key to a satisfactory, long term life of the coating relies on the proper surface preparation ("surface roughness") of the substrate, and additionally the application of the coating materials proceeding in strict accordance with the coating manufacturer's recommendations.</p> <p>Dixon Engineering was retained to provide this independent oversight service, however the final cost for the test protocols (including travel to the coating facility in Toledo, OH and preparation of formal test reports) have exceeded the original budget estimate. This cost increase request is considered reasonable and supportable for this task.</p> <p><i>Note: All of the test results obtained on the various sections of fabricated pipe have to date exceeded the recommended standards for both adhesion and coating thickness requirements.</i></p> |      |           |             |                 |                 |

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 29

| Location-Description-Reason                                      | Unit | Est. Qty. | Unit Price | Amount Increase | Amount Decrease |
|--|------|-----------|------------|-----------------|-----------------|
| <p>*****</p> <p><b>End of Change Order No. 29 Line Items</b></p> |      |           |            |                 |                 |
|  |      |           |            |                 |                 |
| Summary, Change Order # 29 Line Items                            |      |           |            | Amount Increase | Amount Decrease |
| Totals   |      |           |            | \$22,251.51     | -0-             |
| Net Changes (Increase)   |      |           |            | \$22,251.51     | -----           |

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 29

Prepared By: Lawrence T. Gilbert Date: 1-10-2023  
Lawrence T. Gilbert, P.E.  
NTH Consultants, Ltd.

Recommended By: John Michalski Date: 1/13/2023  
John Michalski, P.E.  
Engineer of Design, Applied Science, Inc.

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_  
Joel Brown, P.E.  
Chief Engineer,  
Construction Projects  
Unit, WRC

Approved By: Stephen Downing Date: 1-14-2023  
Stephen Downing  
Construction and Maintenance Manager, Macomb County Public Works

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_  
Sid Lockhart, P.E.  
Manager of Special Projects, WRC

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
Steve Korth, P.E.  
Chief Manager, WRC

All of Construction Manager's contractual obligations remain in place and are applicable to all work and payments identified herein. No adjustment to contract time or price shall be made for these issues except as set out in this, or by a subsequent related, Change Order.

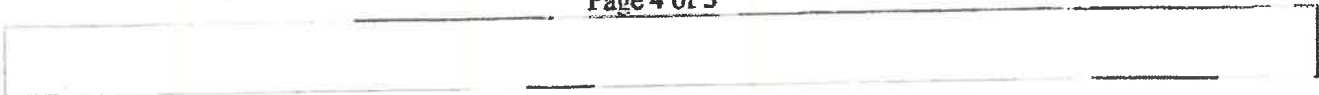
The Construction Manager agrees to do the work described above and agrees to accept Contract time adjustments in full on the basis indicated.

Accepted by: Stephen Robinson Date Jan-12-2023 | 10:59 AM CST  
DocuSigned by:  
Stephen Robinson  
5887304AD9D445...  
Title

of: Walsh Construction Co. II, Inc.

The Construction Manager is hereby authorized and instructed to do the Work described above in accordance with the terms of the Contract, as amended.

This Change Order No. 29 was approved by the Drainage Board on: \_\_\_\_\_ Date: \_\_\_\_\_



## Attachment No. 1 to Change Order No. Twenty-Nine

The Engineer has reviewed the items included in this Change Order and confirms that these adjustments to the Contract are reasonable and in accordance with industry standards and the requirements of the Contract.

*Contract Status Summary*  
Change Order No. Twenty-Nine  
OMID NESPS Pump & Electrical Upgrades Project

*Construction Manager at Risk: Walsh Construction Co. II*

|   |                         |
|---|-------------------------|
| Project Award Date (Pre-Construction Services)  | December 16, 2019       |
| Notice to Proceed Date (Construction Phase)   | October 23, 2020        |
| Contract Substantial Completion Date (Original)   | March 28, 2023          |
| Contract Final Completion Date (Original)   | June 22, 2023           |
| Original GMP Contract Value (Including Control Structure 9)<br>(Adjusted for separation of Pre-Construction Costs)                      | \$ 42,933,381.89        |
| C.O. Values, # 7, 8, 9, 10, 11, 12, 13, 14, 15,16, 17,18, 19, 20, 21,22,<br>23, 24, 25,26,27, 28 and including CS-9 C.O. # 1,2,3, and 4 | \$ 4,463,852.83         |
| Change Order Values, including this C.O. # 29 (\$ 22,251.51)  | \$ 4,486,104.34         |
| <b><i>Adjusted GMP Contract Value, Pump &amp; Electrical Upgrades<br/>and CS-9 Projects</i></b>   | <b>\$ 47,419,486.23</b> |



## **Agenda Item No. 8**

### Construction Estimates

**OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD**  
**Northeast Sewage Pumping Station- Pump and Electrical Upgrades Project**  
**Located in the City of Detroit, Wayne County, Michigan**

**Regular Construction Estimate No. Twenty-Seven**  
**Page One of Two**

**December 01, 2022 through December 31, 2022**

|                 |         |              |        |
|-----------------|---------|--------------|--------|
| Department No.: | 6010101 | Account No.: | 731472 |
| Fund No.:       | 84917   | Program No.: | 149015 |
| Project No.:    | 514629  | Activity:    | FAC    |

|                                      |                   |                                      |
|--------------------------------------|-------------------|--------------------------------------|
| <b>Construction Manager at Risk:</b> | Vendor # 23191    | LI 43331; exp. 12/16/22              |
| Walsh Construction Co.               |                   | Date of Contract: Dec. 16, 2019      |
| 3031 West Grand Boulevard, Suite 640 | (Adjusted)        | Final Completion Date: July 28, 2023 |
| Detroit, MI 48202                    | Contract No. 5977 |                                      |

|  |                 |
|--|-----------------|
| Orig. GMP amount for Pump & Elec. Upgrades Project, and including CS-9 | \$44,107,745.19 |
| Pre-Construction Payment ( Separate Accounting)                        | \$1,174,363.30  |
| NESPS Pump & Elec. Upgrades Original Contract Budget                   | \$42,933,381.89 |
| Change Orders, This Estimate: C.O. # 28                                | \$100,742.85    |
| Previous C.O.s: (Numbers 7 through No. 27                              | \$4,363,109.98  |
| Adjusted Contract Amount <b>including CS-9 values</b>                  | \$47,435,600.19 |

|  |                  |
|--|------------------|
| Sub-Total To Date  | \$ 33,581,440.25 |
| Less Deductions:   | None             |
| Gross Estimate: (Work in Place)  | \$ 33,581,440.25 |
| Less Amount Reserved (max. 10% of 50% of total CV, <b>including CS-9 value</b> ) | \$ 2,371,780.01  |
| Total Amount Allowed To Date: (Amount complete: 70.79%)                          | \$ 31,209,660.24 |
| Less Previous Estimates:   | \$ 30,753,001.55 |
| Payment Due (Incl C.O. Item 11-7 @ 4,717.32 + 267,175.65 = 271,892.97)           | \$ 456,658.69    |
| Reserve Pay to Contractor:   | None             |
| Balance to Finish: \$ 13,854,159.94  |                  |

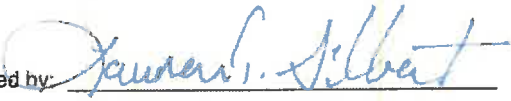
Accounting Auditor:

|                                    |                |
|------------------------------------|----------------|
| Amount To Be Reserved              | \$2,371,780.01 |
| Less Previous Transfers To Reserve | \$2,366,742.87 |
| Amount of Current Transfer         | \$5,037.14     |


**OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD**  
**Northeast Sewage Pumping Station- Pump and Electrical Upgrades Project**  
**Located in the City of Detroit, Wayne County, Michigan**  
**Walsh Construction Co. II; Construction Manager at Risk**

**Regular Construction Estimate No. Twenty-Seven**  
**Page Two of Two**

**12/01/ 2022 through 12/31/ 2022**

Prepared by:   
Lawrence T. Gilbert, P.E.; NTH Consultants Ltd.

Date: 1-11-2023

Recommended by:   
John Michalski, P.E., ASI

Date: 1/13/2023

Recommended by: \_\_\_\_\_  
Joel Brown, P.E. Oakland County WRC

Date: \_\_\_\_\_

Recommended by: Stephen Downing  
Stephen Downing; Macomb County OPWC

Date: 1-14-2023

Approved for Payment by: \_\_\_\_\_  
Sid Lockhart, P.E.; Special Projects Manager, Oakland County WRC

Date: \_\_\_\_\_

**Regular Construction Estimate No. 27 ( December, 2022)**  
**NESPS Pump & Electrical Upgrades Project**

**Approved By Board On: \_\_\_\_\_**

**OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD**  
**For Construction of the NI-EA OMID Contract 1 - PCI 4 Rehabilitation**  
**Located in the City of Detroit, Wayne, Michigan**  
**Project ID 1-00000003308**


Regular Construction Estimate No. 22

Period: 12/01/22 through 12/31/22

|                 |              |              |        |
|-----------------|--------------|--------------|--------|
| Department No.: | 6010101      | Account No.: | 731472 |
| Fund No.:       | 84917        | Program No.: | 149015 |
| Project No.:    | 100000003308 | Activity:    | FAC    |

|                      |                                |                        |                   |
|----------------------|--------------------------------|------------------------|-------------------|
| Contractor:          | Vendor # 29656 Contract # 6323 |                        |                   |
| Marra Services, Inc. | LI # 44838 exp. 1/20/23        | Date of Contract:      | January 21, 2021  |
| 700 E. 73 rd. Street |                                | Final Completion Date: | September 9, 2022 |
| Cleveland, OH 44103  |                                | Adj. Final Completion: | February 7, 2023  |

|  |                     |                 |
|--|---------------------|-----------------|
| Original Construction Contract Amount                      |                     | \$14,732,510.00 |
| Previous Change Orders: No. One, Two, and Three            |                     | \$1,030,475.29  |
| Change Orders This Estimate: C.O. # 4                      |                     | \$186,892.73    |
| Total Net Change Orders:                                   |                     | \$1,217,368.02  |
| Adjusted Contract Amount:                                  |                     | \$15,949,878.02 |
| Sub-Total To Date  |                     | \$11,142,393.15 |
| Less Deductions: None                                      |                     | \$0.00          |
| Gross Estimate, Work in Place                              | (69.86% Complete)   | \$11,142,393.15 |
| Less Amount Reserved (Max. at 10% of 50% of adjusted C.V.) |                     | \$797,493.90    |
| Total Amount Allowed To Date:                              |                     | \$10,344,899.25 |
| Less Previous Estimates                                    |                     | \$9,831,953.23  |
| Net Payment Request To Be Paid To Contractor:              |                     | \$512,946.02    |
| Reserve Payment to Contractor:                             |                     | \$0.00          |
| Balance to Finish: \$4,807,484.87                          | Accounting Auditor: |                 |
| Amount to be Reserved from Above                           |                     | \$797,493.90    |
| Less Previous Transfers To Reserve:                        |                     | \$788,149.26    |
| Amount of Current Transfer                                 |                     | \$9,344.64      |

Prepared by:   
 Lawrence T. Gilbert, P.E.; NTH Consultants Ltd.

Date: 1-05-2023

Recommended by:   
 Saju Sachidanandan, P. E.; NTH Consultants Ltd.

Date: 1-09-2023

Recommended by: \_\_\_\_\_  
 Joel Brown, P.E. Oakland County WRC

Date: \_\_\_\_\_

Recommended by:   
 Stephen Downing; Macomb County OPWC

Date: 1-14-2023

Approved for Payment by: \_\_\_\_\_  
 Sid Lockhart, P.E.; Special Projects Manager, Oakland County WRC

Date: \_\_\_\_\_

**Agenda Item No. 9**

Report/Update – Status of OMID  
Project, Segments 1 through 4, NESPS,  
NI-EA

# Oakland Macomb Interceptor Drain (OMID) Repairs

## Project Progress Update

Prepared by:

F. Klingler, P.E., B. Kelly, P.E., FK Engineering Assoc.

S. Sachidanandan, P.E., L. Gilbert, P.E., NTH Consultants, Ltd.

J. Michalski, P.E., Applied Science, Inc.; T. Moore, Metco Services, Inc.

J. Matteo, P.E., Jacobs Consultants Inc.

## January 18, 2023 OMIDDD Board Meeting

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The following provides a status update as of the writing of this report (January 10, 2023) for the work completed for the Oakland-Macomb Interceptor Drain Repair Program (SRF Segments 1-4; Contract 7 PCI-4 repairs; Maintenance Repairs in PCI-5 through PCI-11A; Control Structure Modifications; NIEA Repairs; NESPS Upgrades; Odor/ Corrosion Control System, and other related work):

### SRF Segment 1 Status:

#### Contracts 1&2: Complete

#### System-wide Odor/Corrosion Study: Complete

#### Odor and Corrosion Control Design

##### Project Budget Summary:

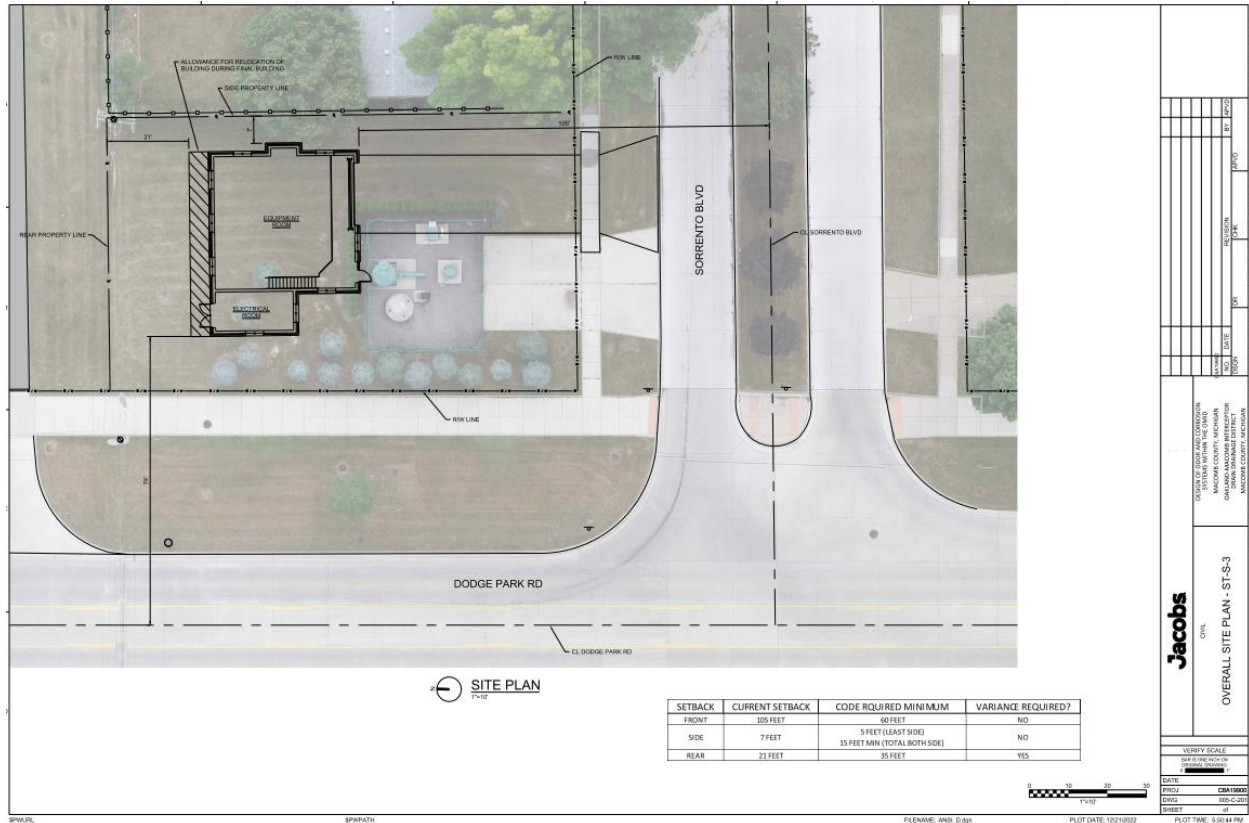
- |   |              |
|---|--------------|
| • Project Budget:                       | \$963,222.90 |
| • Total Spent (through September 2022): | \$328,785.72 |

##### Status of Major Project Tasks:

- Task 1 Additional Investigations and Modeling is complete.
- Task 2 Basis of Design
  - Jacobs has established the required footprint of the replica house that will contain the odor control equipment at the Meter ST-S-3 site at Dodge Park Road/Sorrento Boulevard in Sterling Heights. Jacobs prepared a draft application for OMIDDD review to request a setback variance from Sterling Heights. This variance request will be submitted to the Sterling Heights Zoning Board of Appeals for review at an upcoming meeting. The request will include all necessary property information, a description of the system, as well as preliminary site plan, landscaping, and structural/architectural drawings. Jacobs is currently working with DTE to plan the upgrade of the electrical service to the ST-S-3 site from single-phase to three-phase power, in preparation for construction of the replica house in 2023.
  - Site/civil and landscaping concepts are currently in preliminary design at Meter ST-S-1/CS-8 at Utica Road near Dodge Park Road in Sterling Heights. Though no variance is required at this site, similar drawings will be provided to Sterling Heights for review at this early stage of design.
  - Jacobs is in discussions with OMIDDD to determine the feasibility of locating the CS-6 odor and corrosion system on the Sterling Heights-owned property west of the CS-12 construction

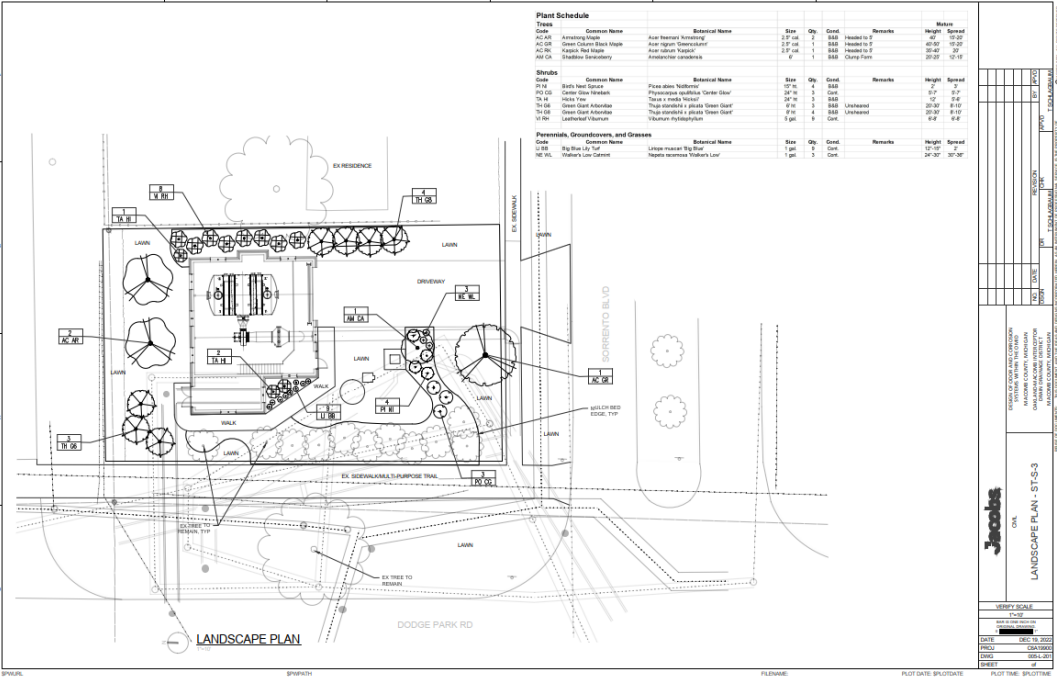
# January 18, 2023 OMIDDD Board Meeting

site to avoid conflicts with the overhead ITC lines. If the system remains in the ITC corridor, then Jacobs will take steps to reduce construction and operations and maintenance risks (e.g., partial burial of the treatment system in a vault structure). Independent of the odor/corrosion control system design at CS-6, Jacobs is also communicating with both FK Engineering and Applied Science, Inc. regarding ventilation upgrades for both the wet well/pump station side of CS-6 and the new MIDDD flow control structure CS-12.

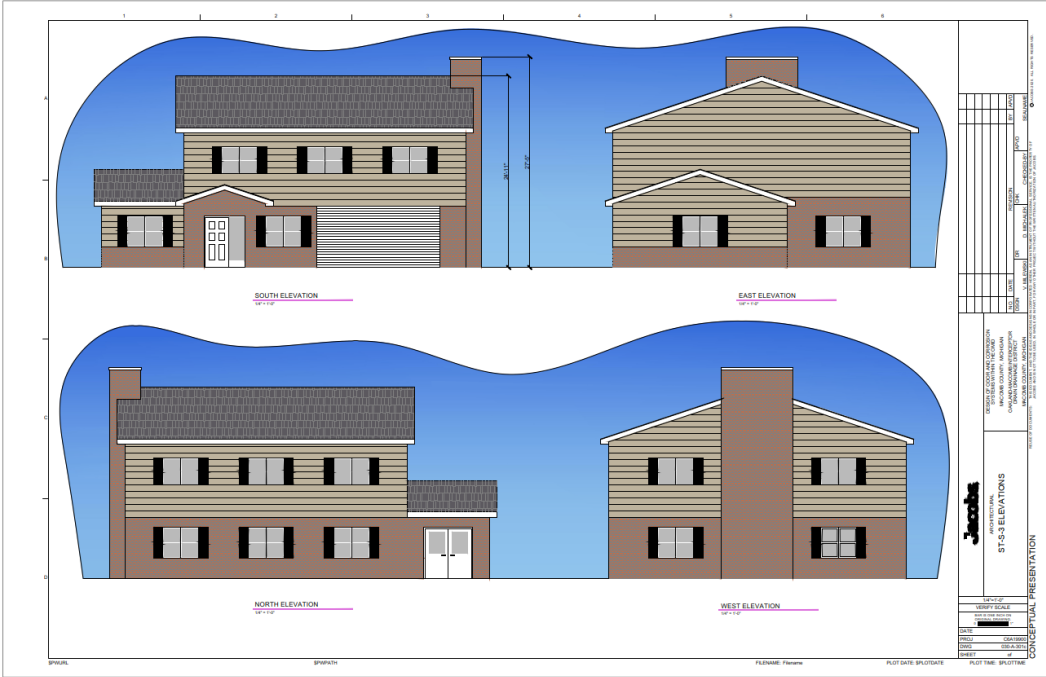


ST-S-3 Preliminary Site Plan with Replica House Footprint

# January 18, 2023 OMIDDD Board Meeting



ST-S-3 Preliminary Landscaping Plan



ST-S-3 Preliminary Architectural/Elevations Drawing



## January 18, 2023 OMIDDD Board Meeting

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### **SRF Segment 2 Status:**

**Contract 3 (Base Contract & C.O. 2E-2J): Complete**

### **SRF Segment 3 Status:**

**Contract 4: Complete**

### **SRF Segment 4 Status:**

**Contract 5A/5B: Complete**

- City of Utica Use Agreement for access paths is pending; awaiting final authorization.

**Contract 6: Complete**

**Contract 7 (NIEA 110 feet of Emergency Rehab): Complete**

### **NESPS Odor/Corrosion Control System (No Segment or Contract No.):**

**Construction Complete**

- Warranty period through December 2022. Final warranty inspection/walk-through to be scheduled in fall 2022/winter 2023.

### **NESPS & OMID Maintenance, Operations & Upgrades Status:**

**Status of Emergency Contingency Plan for pumping during total power loss or other catastrophic system failure:**

- Mersino Dewatering is under contract for standby emergency bypass pumping.
- The OMIDDD Project Team has finalized design for keeping the 15 Mile Road bypass pumping arrangement (initially constructed in summer 2021) intact and buried below grade, pending final agreement with ITC.
- Remaining items in the final emergency plan include punch-list and optimization steps for electrification, modifications at the 15-Mile Road Site, and overall optimization of the Emergency Plan per above. Final plan document will be revised after final installation of the emergency pumping bypass.

# January 18, 2023 OMIDDD Board Meeting

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## Additional work being performed under Metco Maintenance Contract for NESPS:

- Flow control operations related to OMID/MID/NIEA sewer repair and upgrade projects are ongoing.
- Mechanical and Electrical corrective/preventative maintenance schedules continue.
- Coordination between GLWA, MID, NESPS, and Pump/Electrical Upgrade Project is ongoing and has not impacted station operations or abilities to meet demands.
- Met with Contractor (Kone) regarding the dry well (main) elevator. In following up on previous service call, the Metco team found flat spots in the elevator support cable (see photo). Further inspection by Kone indicated no issues are present that require immediate attention and the elevator was deemed to be ready for use. A second-opinion inspection by Detroit Elevator indicates some maintenance is necessary and increased oil level checks are recommended.
- The wet well elevator is currently disabled. A submittal regarding restoration is under review to be followed by a workshop on scope of work. Final completion is projected for 2024.
- Next quarterly wet well sediment inspection and bar screen cleaning scheduled for January 12, 2023.
- A NESPS Controls Workshop with the OMID team and GLWA is an ongoing process, designed around new operational parameters and control strategies.
- Quarterly OMIDD-GLWA Coordination Meeting was held December 6, 2022. The purpose of these meetings is to ensure that all parties are up to date on system status and project schedules. There were no unusual issues reported.
- NESPS rail crane was “orange tagged” (designated as needing repair, but available for use) following recent inspection (then re-inspection) by Kone related to oil leakage. Further evaluation of the condition and planning for repair is ongoing.



Flat spots observed in dry well elevator support cable

## Overall NESPS Station Performance Report:

- No changes from previous report. Sanitary Pumps #2 #4, #5, and #6 ready for duty. Total pump capacity equals 500-cfs. The wet well dewatering pump is also ready for duty.
- Sanitary #2 and Sanitary #4 continue to share primary duty. Pumps #5 and Pump #6 share backup roles. This strategy has proven results in meeting dry and wet weather demands.
- New transformer T3 is currently the primary electrical source. T3 has demonstrated it can provide power to both sides of the grid feeding Sanitary Pumps on both North and South sides. The old T4 transformer has been removed from service due to DTE request in order to perform preventative maintenance tasks. In the case of major electrical power failure DTE will restore power to T4 utility main within eight hours. NESPS Stand-by Generator is also ready to respond in an electrical emergency.
- Recently installed P2 VFD I/O Board (digital input-output interface board) has performed well. The original (failed) board has been sent to Siemens for a possible repair. Siemens will verify its functionality before any repairs are made. An order for a new circuit board has also been placed.

# January 18, 2023 OMIDDD Board Meeting

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- Specific data logging software has been installed within the Sanitary Pump #2 VFD drive PLC. This software was instrumental in detecting the VFD faults experienced November 14, 2022, which disabled the pump.
- Rotor integrated the existing Eaton Power Expert (Quality Power Monitoring Meter) located on the VFD Sanitary Pump #4 switchgear into the OMID SCADA system. Occasional faults, voltage sags, spikes were reported. Incoming power data is collected daily with the data kept on file. Several low level (level 1) power sags reported during P6 start-ups on the old T4 transformer.
- Stand-by Generator remains ready to provide back-up if required. All preventative maintenance requirements are current.
- NEXGEN asset management in use. Monthly status meetings are being held with OMID. Contractors are fulfilling their requirements with no outstanding issues to report.
- Gas detection in use. Rounds are conducted daily. Unit filters restocked and changed as required. Last filter change occurred October 8, 2022. No issues to report.
- We have experienced our second blower VFD (variable frequency drive) failure within the last year. Fuses were blown, indicating an unknown electrical deficiency. Rotor investigations and field reports determined related cables and motor were in good condition but VFD #1 was non responsive. Investigation of the reasons for cause, and determination of recommended repairs to VFD #1 are ongoing. The blower VFD Unit #2 has been repaired and installed December 27, 2022. As such, only one blower is operational, although no odor complaints have been received from the community (although on-site personnel continue to notice “organic” like odors around the discharge chamber). The Jacobs team is reviewing the data. Slight adjustments made to the wet well and discharge chamber intake air supply have improved conditions. Parameters are in line and checked daily and shared with the OMID team weekly.
- HVAC preventative maintenance tasks completed.
- Standby Generator preventative maintenance tasks complete. Secondary fuel tank (“Day Tank”) leakage reported during rounds. Pump seals were found to be defective, and a repair was scheduled with PM Technologies.
- Overall General Housekeeping tasks in order. Minor maintenance activities all addressed in a timely manner.

## **Control Structures Performance Report (CS-5, CS-6, CS-7, CS-8):**

- Daily flow control operations support MID/OMID/NIEA repair and improvement projects. Preventative maintenance tasks are ongoing.
- All LOTO protocols are in-place with no major issues to report.
- System-wide communications are good.
- CS-6 gate has been restored and is currently operational with limited abilities. A limit switch and position indicator must be installed to fully complete restoration. HESCO has ordered and is still waiting on these parts. This continues from last month.
- CS-7 in stand-by mode ready for service.
- CS-8 in stand-by mode ready for service. Exterior panel door repaired.
- CS-5 in stand-by mode ready for service.
- CS-9 in stand-by mode ready for service.
- Routine daily rounds and inspections made with no major maintenance issues to report.

## **Other System Operation Issues**

- O&M Manual is currently being revised to include new structures, recently modified structures, new monitoring equipment, and recent inspection and repair status.

# January 18, 2023 OMIDDD Board Meeting

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- EGLE has informally agreed to consent to use of all flow control structures for long term flow control. Request for formal consent is promised but not yet received.

## **OMID Control Structure Upgrades Status:**

- ASI is now contracted for design of major upgrades to control structures that considers long-term operability.
- Initial inspections and planning complete.
- Basis of Design is in process; expected to be complete in early Jan 2023.
- Design projected to be complete in May 2023.

## **OMID System 3-Year Spot Repairs Status:**

- Steps were removed from manhole PCI-8-108 on November 5, 2022. All repairs now complete.

## **OMID System 6-Year Inspection Status:**

- The 6-Year inspection is wrapping up after flow control and other delays. Remaining punch list work being completed on Fridays and Saturdays, with 92 out of 95 manholes completed and 93 out of 95 tunnel reaches completed. Expected to have all manholes and reaches complete by January 21, 2023.

## **NIEA Repairs (Design/Construction)**

### **Contract 1 (PCI-4 Rehabilitation): In Construction**

**Amt Invoiced:** Construction cost to date is \$11,142,393.15 representing 69.86% of the Contract value.

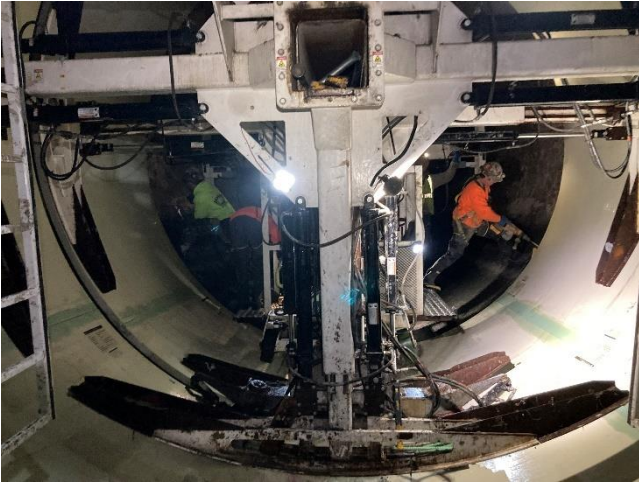
**Schedule Status:** Current adjusted Substantial Completion date is January 8, 2023. Contractor is operating approximately 22 weeks behind the adjusted schedule but anticipates much of this shortfall can be made up with productive lining and grouting work.

#### **Contract 1 (PCI-4 Rehabilitation) Construction Status:**

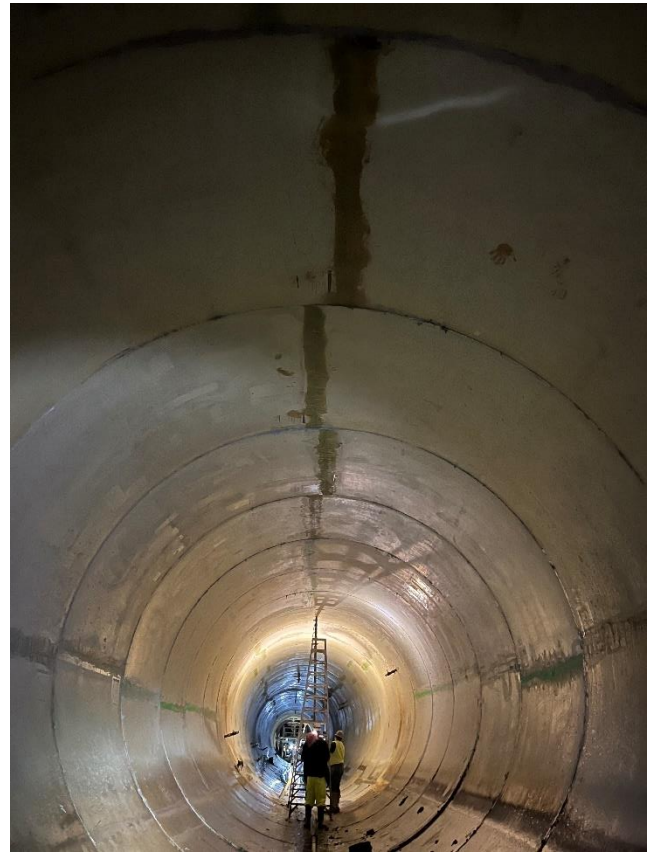
- 100% of the Channeline and Rockhard SCP segments are now on site. In addition, 100% of the QuakeWrap lining pipe is complete at the Hastings, MI manufacturing facility. The first four sections of Quakewrap liner were delivered to the site in December with additional segments available as-needed.
- Regular Channeline lining installation with approximately 683 linear feet of lining installed out of a contract total of 1,120 feet (444 feet grouted in place). Contractor has now advanced out of the curved section of interceptor and installation rate has been increased in the straight section. The Contractor has completed the initial “substitute material” annular space grouting using QuadFlow pre-manufactured grout for the invert area only of portions of the currently installed Channeline segments. This substitution is being performed at extra cost, subject to final approval by the Project Owners. The cement grout shortage has generally subsided and the full-grouting operation has resumed.
- During grouting, minor offsets (less than 3/4 inch each) were noted in three joints at the invert.
- Geotechnical monitoring of construction activities at the access shaft location indicates continuing stable conditions.

# January 18, 2023 OMIDDD Board Meeting

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Installation of Channeline pipe sections



Lined portions of the PCI-4

# January 18, 2023 OMIDDD Board Meeting

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## Contract 2 (PCI-18/19 Rehabilitation): Design Complete

**Amt Invoiced:** \$2,305,081 out of currently projected study/design budget of \$2,400,570.

**Schedule Status:** Contract 2: "Issued for Bid" work complete; Bid documents are out; Bids due on January 18, 2023.

### Contract 2 (PCI -18/19 Rehabilitation) Design Status:

- NI-EA OMID Contract No. 2 PCI-18 & 19 Rehabilitation Issued for Bid contract set complete and has been issued to prospective bidders. Pre-bid meeting was Dec 6, 2022.
- Issued Addendums 1 and 2
- Flow control measures necessary to complete Contract 2 work may impact a downstream GLWA project (DB-226), although it appears at this time that both project schedules align.
- Working with GLWA to develop cost sharing agreement; Draft agreement is currently being negotiated.

The **draft** line item schedule and budgets for OMID NIEA Contracts 1 and 2 are summarized:

| Work Item/ Milestone             | Estimated Budget Expenditure (Engineering) | Estimated Budget Expenditure (Contractor) | Estimated Delivery Date  |
|----------------------------------|--|---|--|
| Lining Study Final Report        | \$126,744                                  |   | 10/30/2019   |
| 90%, 100% Design Package         |  |   | 3/20/2020 and 4/28/2020 (Contract 1)<br>4/16/2021 and 10/1/22 (Contract 2)   |
| Issued for Bid                   |  |   | 6/10/2020 (Contract 1)<br>11/4/22 (Contract 2)                               |
| Bid Opening                      |  |   | 9/30/2020 (Contract 1)<br>1/18/22 (Contract 2)                               |
| Contract Award and NTP           |  |   | 12/16/2020 and 1/04/2021 (Contract 1)<br>4/20/23 and 5/20/23 (Contract 2)    |
| Subtotal - Design                | \$2,400,570                                |   |  |
| Final Completion of Construction | \$3,500,000                                | \$30,000,000                              | 2/2/23 (Contract 1, projected)<br>6/18/24 and 7/16/25 (Contract 2A& B, est.) |

# January 18, 2023 OMIDDD Board Meeting

## NESPS Pump and Electrical Upgrades Project

- Budget Status:** \$1,280,139 billed out of current Design Budget of \$1,382,430; \$968,018 out of the current CCA Budget of \$2,443,262. The total construction amount invoiced as of Dec 31, 2022, is \$33,581,440.25 out of \$47,334,857.35 ( including the now completed and operational Control Structure 9 Bulkhead Gate facility and adjusted for stored material inclusion in major work activities), representing 70.8 % of the Pump & Electrical Upgrades Project. A Final Pay Application was prepared for the Control Structure 9 Project, approved at the Nov, 2022 OMIDDD Board Meeting.
- Schedule Status:** Work is currently delayed due to supply chain issues and electrical issues that occurred in the motor control cabinetry on Aug 23, 2022 as discussed in prior Reports. Contractor is working on an enhanced schedule to make up time but will be unable to meet the scheduled completion date, with an estimated delay of 15.7 months.

The following Design Team and Construction Services Effort is active:

- The new Sewage Pump # 3 and Motor are substantially installed. In-place testing and replacement of incompatible motor exciter components is complete, although the event of August 23, 2023 effectively delayed final re-testing and acceptance.
- Sewage Pump and Motor No. 1 is following closely behind Pump 3 and near substantially installed. Start-up “wet” testing commenced in mid-August, although testing remains delayed.
- The concrete encased underground conduit for the new Fiber Optics communication line is complete from the NESPS to the GLWA Chemical Building termination. Work on the cable installation and tie-ins is commencing.
- A review of alternative energy saving methods and pump sequence remains ongoing, incorporating GLWA SCC comments.
- Construction Phase services (RFIs, Submittals) are ongoing, and the engineering team is reviewing and responding.
- Chemical injection to seal groundwater infiltration at the existing discharge pipe wall penetrations is substantially complete, with final inspection now underway to determine if further measures may be required for final leak control. Current observations suggest that the infiltration has been arrested successfully.
- Small diameter conduit runs and wiring are being installed in the existing NESPS building with favorable progress, now approaching substantial completion for this activity.
- Steel discharge piping for Pumps 5 and 6 is now at the Toledo, Ohio facility for sand blast preparation and painting, with several additional segments already received on site.
- The August 23, 2022 Arc-Flash incident remains under investigation. The Construction Manager has filed a claim on the OCIP Builder’s Risk insurance coverage for this event. Schedule adjustments are currently under discussion. The Contractor has revised the sequence of rehabilitation for the existing Pump Knife Gate Valves, removed KGV # 2, installed a temporary “spool piece filler” and, sent the valve out for rehab. Current reports indicate KGV #2 is in better condition than the KGV # 1, and refurbishment is proceeding ahead of schedule.
- The **draft** line item schedule and budget are summarized:

# January 18, 2023 OMIDDD Board Meeting

| Work Item/ Milestone              | Design/CCA Budget  | Const Budget        | Estimated Delivery Date |
|-----------------------------------|--------------------|---------------------|-------------------------|
| 2 Final Basis of Design           |                    |                     | 5/31/2019               |
| 7 MDEQ Submittal (Part 41 Permit) |                    |                     | 4/8/2020 (initial pkg)  |
| 8 90% Design Submittal            |                    |                     | 6/30/20                 |
| 9 Final Package Development       |                    |                     | 8/14/2020               |
| Subtotal                          | \$3,826,000        | \$44,100,000        |                         |
| 10 Substantial Completion         | \$2,500,000 (est.) | \$44,100,000 (est.) | 9/22/2023 (late)        |
| 11 Final Completion               |                    |                     | 12/21/2023 (late)       |



NESPS Refurbishment  
Project Location



Removing KGVS Bonnet on December 12, 2022



# January 18, 2023 OMIDDD Board Meeting

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Removed knife (I) and lower part ® from KGV5 on December 12, 2022



Installation of 84 inch spool as temporary replacement for KGV5



OMIDDD Interceptor with some sewage leaking while CS-9 is closed



Minimal leakage around OMIDDD Interceptor after stop log installation

# January 18, 2023 OMIDDD Board Meeting

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## CS-9 Gate Installation – Complete (as-builts pending)

## OMID Improvements at CS-6 Site

The Contract has completed all concrete pours for Control Structure 12, with roof panels remaining. All items related to the rehabilitation of FR-S-2/CT-S-7 have been completed. Work has been initiated on various electrical components for the project.



Status of Control Structure 12

## November 9, 2022 OMIDDD Board Meeting

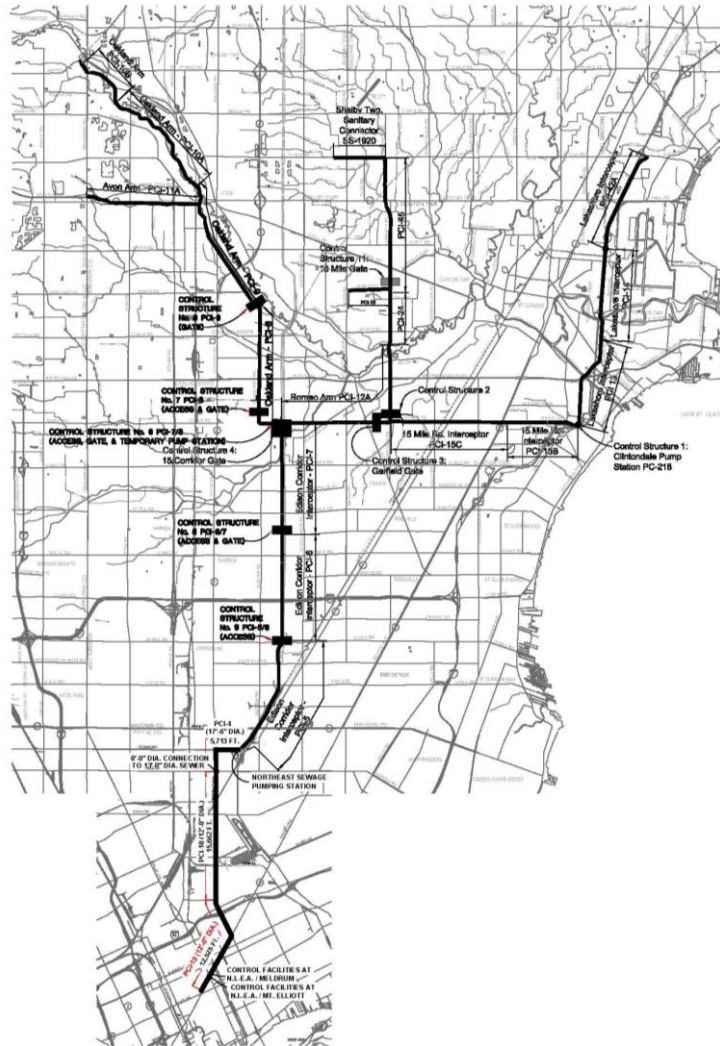
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### Summary of OMID Design and Construction Status:

| Work In Construction Since 2009 |                                    |                   |              |                  |                         |                        |                    |
|---------------------------------|------------------------------------|-------------------|--------------|------------------|-------------------------|------------------------|--------------------|
| Seg. No                         | Contract No. (Description)         | Contractor        | Const. Comp? | As-Builts Final? | Balancing Change Order? | Contractor Closed Out? | Easements Settled? |
| 1                               | Contract 1 (CS-9, 5, 3)            | Ric-Man           | Y            | Y                | Y                       | Y                      | Y                  |
| 1                               | Contract 2 (CS-6, 7, 8)            | Ric-Man           | Y            | Y                | Y                       | Y                      | Y                  |
| 2                               | Contract 3-2E (Gatehouse)          | IWPC (Weiss)      | Y            | Y                | Y                       | Y                      | N/A                |
| 2                               | Contract 3 (Grouting PCI-5 thru 8) | IWPC              | Y            | Y                | Y                       | Y                      | Y                  |
| 3                               | Contract 4 (Lining PCI-5 thru 8)   | Jay Dee Cont.     | Y            | Y                | Y                       | Y                      | Y                  |
| 4                               | Contract 5 (Lining PCI-9, 10A/B)   | Lanzo             | Y            | Y                | Y                       | Y                      | N                  |
| 4                               | Contract 6 (Lining PCI-11A)        | Lanzo             | Y            | Y                | Y                       | Y                      | Y                  |
| N/A                             | Contract 7 (Lining 110' of NIEA)   | IWPC              | Y            | Y                | Y                       | Y                      | N/A                |
| N/A                             | Odor/Corrosion Control System      | CSM               | Y            | Y                | Y                       | Y                      | N/A                |
| N/A                             | Control Structure Modifications    | CSM/Hesco/MCE     | Y/Y/Y        | Y/Y/N            | Y/Y/N                   | Y/Y/N                  | N/A                |
| N/A                             | OMID Maintenance Repairs           | Doetsch           | Y            | N                | N                       | N                      | N/A                |
| N/A                             | CS-9 Gate Modifications            | Walsh as CMR      | Y            | N                | N                       | N                      | Y                  |
| N/A                             | NESPS Pump & Electrical Upgrade    | ASI;Walsh as CMAR | N            | N                | N                       | N                      | Y                  |
| N/A                             | NIEA-OMIDDD Contract 1 (PCI-4)     | Marra             | N            | N                | N                       | N                      | N                  |

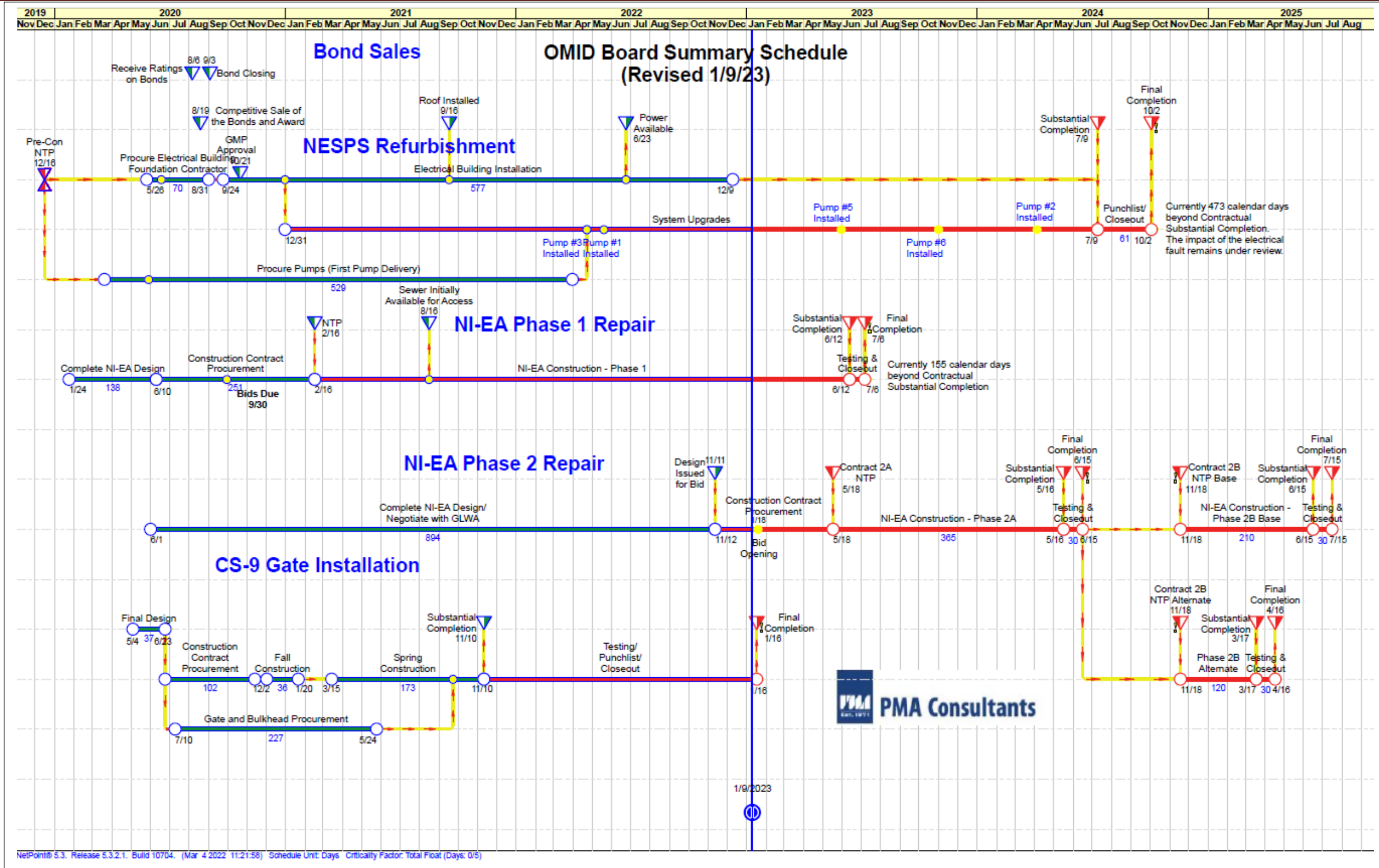
| Work Currently in Design/Study/Engineering |                   |  |
|--|-------------------|--|
| Description                                | Design Consultant | Status   |
| System-wide Odor/Corrosion Design          | Jacobs            | Study Complete, Design Ongoing                                       |
| NESPS & OMID Maintenance & Repairs         | Metco             | Engineering/Maintenance Ongoing                                      |
| NIEA-OMIDDD Contract 2 (PCI-18/19)         | NTH               | Design Complete; currently in bid-phase; pursuing cost               |
| Emergency Pumping Plan                     | ASI/FKE           | Draft Plan to be modified following ITC bypass pumping modifications |

# January 18, 2023 OMIDDD Board Meeting



Overview of OMID System in Oakland, Macomb, and Wayne County

# January 18, 2023 OMIDDD Board Meeting



OMID Project Schedule Summary



**Agenda Item No. 10**

Financial Reports – General Financial Report and  
Status of State Revolving Fund Financing and  
Other Financing

| YTD Trial Balance<br>Fund: 84917 Oakland Macomb InterceptorSeg5<br>As of Fiscal Period: Month 3, 2023 |                                | YTD Balance<br>No Project | OMID Segment<br>5<br>100000003252 | OMID NI-EA<br>CONSTRUCTION<br>100000003308 | NESPS MECH-ELEC<br>CONSTRUCTION<br>100000003309 | YTD Balance            |
|---|--------------------------------|---------------------------|-----------------------------------|--|---|------------------------|
| 100100  | Cash - Operating               |                           | 1,695,364.94                      | 11,566,220.65                              | 21,250,261.13                                   | 34,511,846.72          |
| 101500  | Undeposited Cash               |                           |                                   |  |   | 0.00                   |
| 104100  | Accrued Interest on Investment |                           | (164,312.83)                      |  |   | (164,312.83)           |
| 143100  | PrepaidExpenses                |                           |                                   | 72,916.65                                  | 51,255.00                                       | 124,171.65             |
|   | <b>ASSETS</b>                  | <b>0.00</b>               | <b>1,531,052.11</b>               | <b>11,639,137.30</b>                       | <b>21,301,516.13</b>                            | <b>34,471,705.54</b>   |
| 201210  | Vouchers Payable AP Cont       |                           |                                   | (293,761.43)                               | (412,099.57)                                    | (705,861.00)           |
| 222300  | Unearned Revenues              |                           | (208,809.66)                      | (4,224,457.35)                             | (8,046,142.99)                                  | (12,479,410.00)        |
| 230852  | Accounts Payable               |                           |                                   |  |   | 0.00                   |
|   | <b>LIABILITIES</b>             | <b>0.00</b>               | <b>(208,809.66)</b>               | <b>(4,518,218.78)</b>                      | <b>(8,458,242.56)</b>                           | <b>(13,185,271.00)</b> |
| 605000  | Special Assessments Revenue    |                           |                                   |  |   | 0.00                   |
| 655000  | Income From Investments        |                           | (1,492,686.97)                    |  |   | (1,492,686.97)         |
| 670000  | Other Revenues                 |                           |                                   |  |   | 0.00                   |
|   | <b>REVENUES</b>                | <b>0.00</b>               | <b>(1,492,686.97)</b>             | <b>0.00</b>                                | <b>0.00</b>                                     | <b>(1,492,686.97)</b>  |
| 730000  | Contractual Services           |                           |                                   | 416,804.84                                 | 808,014.65                                      | 1,224,819.49           |
| 770000  | Internal Support Expenditures  |                           |                                   | 14,584.41                                  | 27,346.57                                       | 41,930.98              |
|   | <b>EXPENSES</b>                | <b>0.00</b>               | <b>0.00</b>                       | <b>431,389.25</b>                          | <b>835,361.22</b>                               | <b>1,266,750.47</b>    |
| 381315  | FB Restricted Debt             |                           | (47,288,433.00)                   |  |   | (47,288,433.00)        |
| 382100  | FB Committed for Capital Proj  |                           | 47,458,877.52                     | (7,552,307.77)                             | (13,678,634.79)                                 | 26,227,934.96          |
|   | <b>Fund Balance</b>            | <b>0.00</b>               | <b>170,444.52</b>                 | <b>(7,552,307.77)</b>                      | <b>(13,678,634.79)</b>                          | <b>(21,060,498.04)</b> |
|   |                                | <b>0.00</b>               | <b>0.00</b>                       | <b>0.00</b>                                | <b>(0.00)</b>                                   | <b>0.00</b>            |

Cash as of 12/31/2022 \$ 34,511,846.72

Invoices/Reimbursements for NIEA Construction on Current Agenda impacting Cash Balance (134,348.63)

Invoices/Reimbursements for NESPS Mech / Electrical Construction on Current Agenda impacting Cash Balance (72,378.66)

Total Net Cash Balance \$ 34,305,119.43



**OCM Project Work In Progress**

**Company** Oakland County  
**Projects and Project Hierarchies** PRJ-13308 OMID NI-EA  
**Budget Structure** Project Task  
**Budget Name**  
**Period** FY2023 - Dec

| <b>Project</b>                         | <b>Final Budget</b>  | <b>Actuals MTD</b> | <b>Obligations YTD</b> | <b>Actuals YTD</b> | <b>Actuals LTD</b>   | <b>Variance</b>      |
|--|----------------------|--------------------|------------------------|--------------------|----------------------|----------------------|
| <b>Project Expenses</b>                | <b>28,395,600.00</b> | <b>336,049.46</b>  | <b>49,846.33</b>       | <b>431,389.25</b>  | <b>16,874,474.73</b> | <b>11,521,125.27</b> |
| 1 > Administration                     | 584,000.00           | 0.00               | 0.00                   | 0.00               | 0.00                 | 584,000.00           |
| 1 > Contingency                        | 2,581,000.00         | 0.00               | 0.00                   | 0.00               | 0.00                 | 2,581,000.00         |
| 1 > Engineering                        | 478,000.00           | 7,089.76           | 0.00                   | 14,273.85          | 138,209.44           | 339,790.56           |
| 1 > Engineering Consultants            | 4,913,000.00         | 142,709.43         | 0.00                   | 46,859.23          | 3,117,911.64         | 1,795,088.36         |
| 1 > Facility Acquisition               | 17,983,600.00        | 173,781.60         | 0.00                   | 343,781.60         | 13,309,019.95        | 4,674,580.05         |
| 1 > Inspection                         | 260,000.00           | 0.00               | 0.00                   | 0.00               | 0.00                 | 260,000.00           |
| 1 > Legal and Financial                | 1,259,000.00         | 2,052.00           | 0.00                   | (5,086.00)         | 119,137.50           | 1,139,862.50         |
| 1 > Right of Way                       | 265,000.00           | 0.00               | 0.00                   | 310.56             | 76,806.58            | 188,193.42           |
| 1 > Standard                           | 40,000.00            | 10,416.67          | 49,846.33              | 31,250.01          | 113,389.62           | (73,389.62)          |
| 1 > Survey                             | 32,000.00            | 0.00               | 0.00                   | 0.00               | 0.00                 | 32,000.00            |
| <b>Project Revenues</b>                | <b>0.00</b>          | <b>0.00</b>        | <b>0.00</b>            | <b>0.00</b>        | <b>23,995,393.25</b> |                      |
| RC605572 - Special Assessments Revenue | 0.00                 | 0.00               | 0.00                   | 0.00               | 2,030,293.60         |                      |
| RC697551 - Issuance of Bonds           | 0.00                 | 0.00               | 0.00                   | 0.00               | 21,965,099.65        |                      |
| <b>Revenue Over/ (Under) Expenses</b>  |                      |                    |                        |                    | <b>7,120,918.52</b>  |                      |

**OCM Project Work In Progress**

Company: Oakland County  
Projects and Project Hierarchies: PRJ-13309 NESPS MECH-ELEC CONSTRUCTION  
Budget Structure: Project Task  
Period: FY2023 - Dec

| Project                                | Final Budget  | Actuals MTD | Commitments YTD | Actuals YTD  | Actuals LTD          | Variance      |
|--|---------------|-------------|-----------------|--------------|----------------------|---------------|
| Project Expenses                       | 54,086,000.00 | 420,285.95  | 13,303.22       | 835,361.22   | 33,196,583.44        | 20,889,416.56 |
| 1 > Administration                     | 620,000.00    | 0.00        | 0.00            | (51,255.00)  | 44,200.00            | 575,800.00    |
| 1 > Contingency                        | 4,917,000.00  | 0.00        | 0.00            | 0.00         | 0.00                 | 4,917,000.00  |
| 1 > Engineering                        | 446,000.00    | 7,705.26    | 0.00            | 19,091.37    | 210,349.77           | 235,650.23    |
| 1 > Engineering Consultants            | 3,987,000.00  | 88,936.60   | 13,303.22       | (301,934.04) | 2,328,877.71         | 1,658,122.29  |
| 1 > Facility Acquisition               | 40,857,000.00 | 271,892.97  | 0.00            | 1,096,197.35 | 29,374,262.56        | 11,482,737.44 |
| 1 > Inspection                         | 285,000.00    | 481.12      | 0.00            | 8,255.20     | 349,562.65           | (64,562.65)   |
| 1 > Legal and Financial                | 2,417,000.00  | 0.00        | 0.00            | 0.00         | 179,800.00           | 2,237,200.00  |
| 1 > Right of Way                       | 393,000.00    | 0.00        | 0.00            | 0.00         | 0.00                 | 393,000.00    |
| 1 > Standard                           | 130,000.00    | 51,270.00   | 0.00            | 65,006.34    | 709,530.75           | (579,530.75)  |
| 1 > Survey                             | 34,000.00     | 0.00        | 0.00            | 0.00         | 0.00                 | 34,000.00     |
| Project Revenues                       | 0.00          | 0.00        | 0.00            | 0.00         | 46,039,857.01        |               |
| RC605572 - Special Assessments Revenue | 0.00          | 0.00        | 0.00            | 0.00         | 4,202,235.00         |               |
| RC697551 - Issuance of Bonds           | 0.00          | 0.00        | 0.00            | 0.00         | 41,837,622.01        |               |
| <b>Revenue Over/ (Under) Expenses</b>  |               |             |                 |              | <b>12,843,273.57</b> |               |

**OCM Project Work In Progress**

**Company** Oakland County  
**Projects and Project Hierarchies** PRJ-13252 OMID Segment 5  
**Budget Structure** Project Task  
**Period** FY2023 - Dec

| <b>Project</b>                              | <b>Actuals MTD</b> | <b>Actuals YTD</b> | <b>Actuals LTD</b>  |
|---|--------------------|--------------------|---------------------|
| <b>Project Expenses</b>                     | 0.00               | 0.00               | 757,136.57          |
| 1 > Administration                          | 0.00               | 0.00               | 242,201.57          |
| 1 > Legal and Financial                     | 0.00               | 0.00               | 514,935.00          |
| 1 > Standard                                | 0.00               | 0.00               | 0.00                |
| <b>Project Revenues</b>                     | 51,017.66          | 1,492,686.97       | 2,079,379.02        |
| RC605572 - Special Assessments Revenue      | 0.00               | 0.00               | 108,835.74          |
| RC655077 - Accrued Interest Adjustments     | 21,148.12          | 21,148.12          | (122,761.17)        |
| RC655385 - Income from Investments          | 29,869.54          | 79,912.24          | 1,007,217.12        |
| RC655462 - Increase Market Value Investment | 0.00               | 1,506,704.88       | 1,084.24            |
| RC670513 - Prior Years Revenue              | 0.00               | 0.00               | 0.00                |
| RC697219 - Premiums on Bonds Sold           | 0.00               | 0.00               | 7,672,724.75        |
| RC697551 - Issuance of Bonds                | 0.00               | 0.00               | (6,587,721.66)      |
| <b>Revenue Over/ (Under) Expenses</b>       |                    |                    | <b>1,322,242.45</b> |

Oakland County - Water Resources Commissioner's Office  
Fund Equity: Schedule of Reserves and Dedicated Funds  
As of Date: December 31, 2022

| Fund   | Description                           | Major<br>Maintenance | Emergency<br>Maintenance<br>Reserve | Capital<br>Improvement | Undesignated  | Committed for<br>Capital Projects | Total Equity                |
|--|---------------------------------------|----------------------|-------------------------------------|------------------------|---------------|-----------------------------------|-----------------------------|
| 82912  | OMIDD Maintenance Fund                | 3,042,133.18         | 3,038,871.75                        | 2,892,463.42           | 41,904,505.75 |                                   | 50,877,974.10               |
| 84917  | OMIDD Seg 5                           |                      |                                     |                        |               |                                   |                             |
|  | - Project 1-3252 Interceptor Seg 5    |                      |                                     |                        |               | 1,322,242.45                      |                             |
|  | - Project 1-3308 NI - EA Construction |                      |                                     |                        |               | 7,120,918.52                      |                             |
|  | - Project 1-3309 NESPS Construction   |                      |                                     |                        |               | <u>12,843,273.57</u>              | <u>21,286,434.54</u>        |
| Total Equity in Maintenance and Construction Funds |                                       |                      |                                     |                        |               |                                   | <u><u>72,164,408.64</u></u> |

**NOTE: This report presents pre-closing figures and as such are subject to change**

**OAKLAND MACOMB INTERCEPTOR DRAINAGE BOARD - APPROVAL OF INVOICES/REIMBURSEMENTS**

OMIDD Meeting Date 1/18/2023

| Payable To                       | Invoice #  | 84917                              | 84917   | 82912                               | Total        |
|----------------------------------|--|------------------------------------|---|-------------------------------------|--------------|
|                                  |  | 1-3308                             | 1-3309  |                                     |              |
|                                  |  | <u>Segment 5 NIEA Construction</u> | <u>Segment 5 NESPS Mech / Electric Construction</u> | <u>Operations &amp; Maintenance</u> |              |
| Oakland County *                 | WRC Labor/Fringes/Non-direct Labor (08/27/22 - 09/23/22)   | 4,558.41                           | 4,398.31  |                                     | \$8,956.72   |
| Oakland County *                 | WRC Equipment (08/27/22 - 09/23/22)  | 144.31                             | 170.27  |                                     | \$314.58     |
| Applied Science, Inc             | Invoice # 46 (ASI Inv. #8327) Services 11/27/22 to 12/31/22  |                                    | 69,837.38   | 7,994.50                            | \$77,831.88  |
| Applied Science, Inc             | Invoice # 46A (ASI Inv. #8328) Services 11/27/22 to 12/31/22   |                                    |   | 18,458.89                           | \$18,458.89  |
| Clark Hill PLC                   | Invoice # 1264979 Matter 424741 GLWA Model Wastewater Services Through 11/30/2022  |                                    |   | 2,943.00                            | \$2,943.00   |
| Clark Hill PLC                   | Invoice # 1264980 Matter 404547 NIEA Improvements Services Through 11/30/2022  | 135.00                             |   |                                     | \$135.00     |
| Dickinson Wright PLLC            | Invoice # 1762806 Matter 012840-00436 Service through 11/30/2022   |                                    |   | 118.50                              | \$118.50     |
| HESCO                            | Invoice # 2214090 OMIDD Flow Control Structures (CS-9) 12/5/2022   |                                    |   | 4,392.50                            | \$4,392.50   |
| Inland Lakes Landscaping Corp.   | Invoice # 24697 Toephaer Site Vegetation Maintenance 9/2 & 9/21/22   |                                    |   | 1,625.00                            | \$1,625.00   |
| Kennedy Industries               | Invoice # 634111 - NESPS Field Service 11/28/22  |                                    |   | 693.00                              | \$693.00     |
| Kennedy Industries               | Invoice # 634356 - NESPS Field Service 12/2 / 12/9 / & 12/10/2022  |                                    |   | 10,614.45                           | \$10,614.45  |
| METCO                            | Invoice # 1811-48 12/05/2022 Through 12/31/22  |                                    |   | 67,907.75                           | \$67,907.75  |
| Motor City Electric Technologies | Invoice # 94859 NESP SCADA T&M Service Date 11/02/22   |                                    |   | 225.00                              | \$225.00     |
| Motor City Electric Technologies | Invoice # 94860 NESP SCADA T&M Service Date 11/14/22   |                                    |   | 90.00                               | \$90.00      |
| Motor City Electric Technologies | Invoice # 94919 NESP SCADA T&M Service Date 12/06/22   |                                    |   | 187.00                              | \$187.00     |
| NTH Consultants                  | Invoice # 631697 Engineering Services NIEA PCI-4 Through 12/23/2022  | 19,643.17                          |   |                                     | \$19,643.17  |
| NTH Consultants                  | Invoice # 631698 (D-425) Engineering Services Through 12/23/2022   | 100,146.58                         |   |                                     | \$100,146.58 |
| NTH Consultants                  | Invoice # 631699 (D-421) Engineering Design NESPS Through 12/23/2022   |                                    | 2,541.28  |                                     | \$2,541.28   |
| NTH Consultants                  | Invoice # 631700 (D-439) Engineering Design NESPS Through 12/23/2022   |                                    |   | 4,111.96                            | \$4,111.96   |
| PM Technologies                  | Invoice # 67551014 NESPS Generator 1 Completed Date 08/01/22   |                                    |   | 398.50                              | \$398.50     |
| PM Technologies                  | Invoice # 72326530 NESPS Generator 1 Completed Date 12/01/22   |                                    |   | 1,050.00                            | \$1,050.00   |
| PM Technologies                  | Invoice # 72334903 NESPS Generator 2 Completed Date 12/01/22   |                                    |   | 1,050.00                            | \$1,050.00   |
| PM Technologies                  | Invoice # 72338425 NESPS Generator 3 Completed Date 12/01/22   |                                    |   | 1,050.00                            | \$1,050.00   |
| PM Technologies                  | Invoice # 72339325 NESPS Generator 1 Completed Date 12/01/22   |                                    |   | 269.50                              | \$269.50     |
| PMA Consultants                  | Invoice # 03559.01 - 30 Professional Services Through 11/30/22   | 14,423.88                          |   |                                     | \$14,423.88  |
|                                  | Total Invoices/Reimbursements for Approval   | \$139,051.35                       | \$76,947.24   | \$123,179.55                        | \$339,178.14 |
|                                  | * Less WRC Charges already paid from OMI Fund  | (4,702.72)                         | (4,568.58)  | 0.00                                | (9,271.30)   |
|                                  | Total Invoices/Reimbursements that will impact Cash Balance listed on Current Trial Balance submitted to OMI Drain Board | \$134,348.63                       | \$72,378.66   | \$123,179.55                        | \$329,906.84 |

## **Agenda Item No. 11**

### **Invoices**

| OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 11/19/2022 - 12/16/2022 |              |             |                               |             |                 |               |                  |           |             |
|--|--------------|-------------|-------------------------------|-------------|-----------------|---------------|------------------|-----------|-------------|
| WOID   | Date Entered | Date Worked | Name/Description              | Hours/Units | Cost            | Cost Category | Assign Equipment | Project   | Activity    |
| 1094849  | 11/23/22     | 11/09/22    | BROWN, JOEL                   | 2.00        | 263.10          | REGULAR       | WRCCON           | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/10/22    | BROWN, JOEL                   | 2.00        | 263.10          | REGULAR       | WRCCON           | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/14/22    | BROWN, JOEL                   | 1.00        | 131.55          | REGULAR       | WRCCON           | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/17/22    | BROWN, JOEL                   | 1.00        | 131.55          | REGULAR       | WRCCON           | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/18/22    | BROWN, JOEL                   | 1.00        | 131.55          | REGULAR       | WRCCON           | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 11/21/22    | BROWN, JOEL                   | 2.00        | 263.10          | REGULAR       | WRCCON           | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 11/23/22    | BROWN, JOEL                   | 1.50        | 197.33          | REGULAR       | WRCCON           | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 11/28/22    | BROWN, JOEL                   | 2.50        | 328.88          | REGULAR       | WRCCON           | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 11/30/22    | BROWN, JOEL                   | 1.00        | 131.55          | REGULAR       | WRCCON           | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 12/01/22    | BROWN, JOEL                   | 2.00        | 263.10          | REGULAR       | WRCCON           | PRJ-13309 | ENGINEERING |
|  |              |             | <b>BROWN, JOEL Total</b>      |             | <b>2,104.81</b> |               |                  |           |             |
| 1094849  | 12/05/22     | 11/21/22    | LOCKHART, SIDNEY              | 2.00        | 286.04          | REGULAR       | WRCADM           | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/23/22    | LOCKHART, SIDNEY              | 3.00        | 429.06          | REGULAR       | WRCADM           | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/28/22    | LOCKHART, SIDNEY              | 2.00        | 286.04          | REGULAR       | WRCADM           | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/29/22    | LOCKHART, SIDNEY              | 1.00        | 143.02          | REGULAR       | WRCADM           | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/30/22    | LOCKHART, SIDNEY              | 1.00        | 143.02          | REGULAR       | WRCADM           | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 12/01/22    | LOCKHART, SIDNEY              | 1.00        | 143.02          | REGULAR       | WRCADM           | PRJ-13309 | ENGINEERING |
|  |              |             | <b>LOCKHART, SIDNEY Total</b> |             | <b>1,430.20</b> |               |                  |           |             |
| 1050210  | 12/14/22     | 12/13/22    | POUSHO, ROBERT                | 8.00        | 459.20          | REGULAR       | WRCCON           | PRJ-13309 | INSPECTION  |
|  |              |             | <b>POUSHO, ROBERT Total</b>   |             | <b>459.20</b>   |               |                  |           |             |
| 1131289  | 11/21/22     | 11/14/22    | PUSCAS, JACK J                | 3.00        | 242.46          | REGULAR       | WRCADM           | PRJ-13309 | ENGINEERING |
| 1131289  | 12/06/22     | 11/28/22    | PUSCAS, JACK J                | 1.00        | 80.82           | REGULAR       | WRCADM           | PRJ-13309 | ENGINEERING |
| 1131289  | 12/13/22     | 12/05/22    | PUSCAS, JACK J                | 1.00        | 80.82           | REGULAR       | WRCADM           | PRJ-13309 | ENGINEERING |
|  |              |             | <b>PUSCAS, JACK J Total</b>   |             | <b>404.10</b>   |               |                  |           |             |
|  |              |             | <b>Grand Total</b>            |             | <b>4,398.31</b> |               |                  |           |             |

| OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 11/19/2022 - 12/16/2022 |              |             |                               |             |               |               |                  |           |             |
|--|--------------|-------------|-------------------------------|-------------|---------------|---------------|------------------|-----------|-------------|
| WOID   | Date Entered | Date Worked | Name/Description              | Hours/Units | Cost          | Cost Category | Assign Equipment | Project   | Activity    |
| 1094849  | 11/23/22     | 11/09/22    | BROWN, JOEL                   | 2.00        | 0.80          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/09/22    | BROWN, JOEL                   | 2.00        | 4.68          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/09/22    | BROWN, JOEL                   | 2.00        | 0.50          | ASSIGNED      | Tablet/iPad      | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/10/22    | BROWN, JOEL                   | 2.00        | 0.80          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/10/22    | BROWN, JOEL                   | 2.00        | 4.68          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/10/22    | BROWN, JOEL                   | 2.00        | 0.50          | ASSIGNED      | Tablet/iPad      | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/14/22    | BROWN, JOEL                   | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/14/22    | BROWN, JOEL                   | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/14/22    | BROWN, JOEL                   | 1.00        | 0.25          | ASSIGNED      | Tablet/iPad      | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/17/22    | BROWN, JOEL                   | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/17/22    | BROWN, JOEL                   | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/17/22    | BROWN, JOEL                   | 1.00        | 0.25          | ASSIGNED      | Tablet/iPad      | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/18/22    | BROWN, JOEL                   | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/18/22    | BROWN, JOEL                   | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1094849  | 11/23/22     | 11/18/22    | BROWN, JOEL                   | 1.00        | 0.25          | ASSIGNED      | Tablet/iPad      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 11/21/22    | BROWN, JOEL                   | 2.00        | 0.80          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 11/21/22    | BROWN, JOEL                   | 2.00        | 4.68          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 11/21/22    | BROWN, JOEL                   | 2.00        | 0.50          | ASSIGNED      | Tablet/iPad      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 11/23/22    | BROWN, JOEL                   | 1.50        | 0.60          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 11/23/22    | BROWN, JOEL                   | 1.50        | 3.51          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 11/23/22    | BROWN, JOEL                   | 1.50        | 0.38          | ASSIGNED      | Tablet/iPad      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 11/28/22    | BROWN, JOEL                   | 2.50        | 1.00          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 11/28/22    | BROWN, JOEL                   | 2.50        | 5.85          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 11/28/22    | BROWN, JOEL                   | 2.50        | 0.63          | ASSIGNED      | Tablet/iPad      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 11/30/22    | BROWN, JOEL                   | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 11/30/22    | BROWN, JOEL                   | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 11/30/22    | BROWN, JOEL                   | 1.00        | 0.25          | ASSIGNED      | Tablet/iPad      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 12/01/22    | BROWN, JOEL                   | 2.00        | 0.80          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 12/01/22    | BROWN, JOEL                   | 2.00        | 4.68          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/13/22     | 12/01/22    | BROWN, JOEL                   | 2.00        | 0.50          | ASSIGNED      | Tablet/iPad      | PRJ-13309 | ENGINEERING |
|  |              |             | <b>BROWN, JOEL Total</b>      |             | <b>47.85</b>  |               |                  |           |             |
| 1094849  | 12/05/22     | 11/21/22    | LOCKHART, SIDNEY              | 2.00        | 11.38         | ASSIGNED      | Blazer/Suburbans | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/21/22    | LOCKHART, SIDNEY              | 2.00        | 0.80          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/21/22    | LOCKHART, SIDNEY              | 2.00        | 4.68          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/21/22    | LOCKHART, SIDNEY              | 2.00        | 0.50          | ASSIGNED      | Tablet/iPad      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/23/22    | LOCKHART, SIDNEY              | 3.00        | 17.07         | ASSIGNED      | Blazer/Suburbans | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/23/22    | LOCKHART, SIDNEY              | 3.00        | 1.20          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/23/22    | LOCKHART, SIDNEY              | 3.00        | 7.02          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/23/22    | LOCKHART, SIDNEY              | 3.00        | 0.75          | ASSIGNED      | Tablet/iPad      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/28/22    | LOCKHART, SIDNEY              | 2.00        | 11.38         | ASSIGNED      | Blazer/Suburbans | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/28/22    | LOCKHART, SIDNEY              | 2.00        | 0.80          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/28/22    | LOCKHART, SIDNEY              | 2.00        | 4.68          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/28/22    | LOCKHART, SIDNEY              | 2.00        | 0.50          | ASSIGNED      | Tablet/iPad      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/29/22    | LOCKHART, SIDNEY              | 1.00        | 5.69          | ASSIGNED      | Blazer/Suburbans | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/29/22    | LOCKHART, SIDNEY              | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/29/22    | LOCKHART, SIDNEY              | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/29/22    | LOCKHART, SIDNEY              | 1.00        | 0.25          | ASSIGNED      | Tablet/iPad      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/30/22    | LOCKHART, SIDNEY              | 1.00        | 5.69          | ASSIGNED      | Blazer/Suburbans | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/30/22    | LOCKHART, SIDNEY              | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/30/22    | LOCKHART, SIDNEY              | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 11/30/22    | LOCKHART, SIDNEY              | 1.00        | 0.25          | ASSIGNED      | Tablet/iPad      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 12/01/22    | LOCKHART, SIDNEY              | 1.00        | 5.69          | ASSIGNED      | Blazer/Suburbans | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 12/01/22    | LOCKHART, SIDNEY              | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 12/01/22    | LOCKHART, SIDNEY              | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1094849  | 12/05/22     | 12/01/22    | LOCKHART, SIDNEY              | 1.00        | 0.25          | ASSIGNED      | Tablet/iPad      | PRJ-13309 | ENGINEERING |
|  |              |             | <b>LOCKHART, SIDNEY Total</b> |             | <b>86.80</b>  |               |                  |           |             |
| 1050210  | 12/14/22     | 12/13/22    | POUSHO, ROBERT                | 8.00        | 3.20          | ASSIGNED      | Cell Phone       | PRJ-13309 | INSPECTION  |
| 1050210  | 12/14/22     | 12/13/22    | POUSHO, ROBERT                | 8.00        | 18.72         | ASSIGNED      | PC/Computer      | PRJ-13309 | INSPECTION  |
|  |              |             | <b>POUSHO, ROBERT Total</b>   |             | <b>21.92</b>  |               |                  |           |             |
| 1131289  | 11/21/22     | 11/14/22    | PUSCAS, JACK J                | 3.00        | 1.20          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1131289  | 11/21/22     | 11/14/22    | PUSCAS, JACK J                | 3.00        | 7.02          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1131289  | 12/06/22     | 11/28/22    | PUSCAS, JACK J                | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1131289  | 12/06/22     | 11/28/22    | PUSCAS, JACK J                | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
| 1131289  | 12/13/22     | 12/05/22    | PUSCAS, JACK J                | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13309 | ENGINEERING |
| 1131289  | 12/13/22     | 12/05/22    | PUSCAS, JACK J                | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13309 | ENGINEERING |
|  |              |             | <b>PUSCAS, JACK J Total</b>   |             | <b>13.70</b>  |               |                  |           |             |
|  |              |             | <b>Grand Total</b>            |             | <b>170.27</b> |               |                  |           |             |



| OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 11/19/2022 - 12/16/2022 |              |             |                               |             |                 |               |                  |           |             |
|--|--------------|-------------|-------------------------------|-------------|-----------------|---------------|------------------|-----------|-------------|
| WOID   | Date Entered | Date Worked | Name/Description              | Hours/Units | Cost            | Cost Category | Assign Equipment | Project   | Activity    |
| 1094815  | 11/23/22     | 11/9/22     | BROWN, JOEL                   | 1.50        | 197.33          | REGULAR       | WRCCON           | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/10/22    | BROWN, JOEL                   | 1.00        | 131.55          | REGULAR       | WRCCON           | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/14/22    | BROWN, JOEL                   | 2.00        | 263.10          | REGULAR       | WRCCON           | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/15/22    | BROWN, JOEL                   | 2.00        | 263.10          | REGULAR       | WRCCON           | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/16/22    | BROWN, JOEL                   | 2.00        | 263.10          | REGULAR       | WRCCON           | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/17/22    | BROWN, JOEL                   | 1.00        | 131.55          | REGULAR       | WRCCON           | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/18/22    | BROWN, JOEL                   | 1.00        | 131.55          | REGULAR       | WRCCON           | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/21/22    | BROWN, JOEL                   | 2.00        | 263.10          | REGULAR       | WRCCON           | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/22/22    | BROWN, JOEL                   | 1.00        | 131.55          | REGULAR       | WRCCON           | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/23/22    | BROWN, JOEL                   | 1.50        | 197.33          | REGULAR       | WRCCON           | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/28/22    | BROWN, JOEL                   | 2.00        | 263.10          | REGULAR       | WRCCON           | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/30/22    | BROWN, JOEL                   | 1.00        | 131.55          | REGULAR       | WRCCON           | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 12/1/22     | BROWN, JOEL                   | 2.00        | 263.10          | REGULAR       | WRCCON           | PRJ-13308 | ENGINEERING |
|  |              |             | <b>BROWN, JOEL Total</b>      |             | <b>2,631.01</b> |               |                  |           |             |
| 1094815  | 12/5/22      | 11/28/22    | LOCKHART, SIDNEY              | 2.00        | 286.04          | REGULAR       | WRCADM           | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 11/29/22    | LOCKHART, SIDNEY              | 1.00        | 143.02          | REGULAR       | WRCADM           | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 11/30/22    | LOCKHART, SIDNEY              | 1.00        | 143.02          | REGULAR       | WRCADM           | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 12/1/22     | LOCKHART, SIDNEY              | 1.00        | 143.02          | REGULAR       | WRCADM           | PRJ-13308 | ENGINEERING |
|  |              |             | <b>LOCKHART, SIDNEY Total</b> |             | <b>715.10</b>   |               |                  |           |             |
| 1131284  | 11/21/22     | 11/15/22    | PUSCAS, JACK J                | 1.00        | 80.82           | REGULAR       | WRCADM           | PRJ-13308 | ENGINEERING |
| 1131284  | 12/6/22      | 11/28/22    | PUSCAS, JACK J                | 2.00        | 161.64          | REGULAR       | WRCADM           | PRJ-13308 | ENGINEERING |
| 1131284  | 12/7/22      | 12/2/22     | PUSCAS, JACK J                | 4.00        | 323.28          | REGULAR       | WRCADM           | PRJ-13308 | ENGINEERING |
| 1131284  | 12/13/22     | 12/6/22     | PUSCAS, JACK J                | 8.00        | 646.56          | REGULAR       | WRCADM           | PRJ-13308 | ENGINEERING |
|  |              |             | <b>PUSCAS, JACK J Total</b>   |             | <b>1,212.30</b> |               |                  |           |             |
|  |              |             | <b>Grand Total</b>            |             | <b>4,558.41</b> |               |                  |           |             |

| OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 11/19/2022 - 12/16/2022 |              |             |                               |             |               |               |                  |           |             |
|--|--------------|-------------|-------------------------------|-------------|---------------|---------------|------------------|-----------|-------------|
| WOID   | Date Entered | Date Worked | Name/Description              | Hours/Units | Cost          | Cost Category | Assign Equipment | Project   | Activity    |
| 1094815  | 11/23/22     | 11/9/22     | BROWN, JOEL                   | 1.50        | 3.51          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/9/22     | BROWN, JOEL                   | 1.50        | 0.60          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/9/22     | BROWN, JOEL                   | 1.50        | 0.38          | ASSIGNED      | Tablet/iPad      | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/10/22    | BROWN, JOEL                   | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/10/22    | BROWN, JOEL                   | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/10/22    | BROWN, JOEL                   | 1.00        | 0.25          | ASSIGNED      | Tablet/iPad      | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/14/22    | BROWN, JOEL                   | 2.00        | 4.68          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/14/22    | BROWN, JOEL                   | 2.00        | 0.80          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/14/22    | BROWN, JOEL                   | 2.00        | 0.50          | ASSIGNED      | Tablet/iPad      | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/15/22    | BROWN, JOEL                   | 2.00        | 4.68          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/15/22    | BROWN, JOEL                   | 2.00        | 0.80          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/15/22    | BROWN, JOEL                   | 2.00        | 0.50          | ASSIGNED      | Tablet/iPad      | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/16/22    | BROWN, JOEL                   | 2.00        | 4.68          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/16/22    | BROWN, JOEL                   | 2.00        | 0.80          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/16/22    | BROWN, JOEL                   | 2.00        | 0.50          | ASSIGNED      | Tablet/iPad      | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/17/22    | BROWN, JOEL                   | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/17/22    | BROWN, JOEL                   | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/17/22    | BROWN, JOEL                   | 1.00        | 0.25          | ASSIGNED      | Tablet/iPad      | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/18/22    | BROWN, JOEL                   | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/18/22    | BROWN, JOEL                   | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1094815  | 11/23/22     | 11/18/22    | BROWN, JOEL                   | 1.00        | 0.25          | ASSIGNED      | Tablet/iPad      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/21/22    | BROWN, JOEL                   | 2.00        | 4.68          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/21/22    | BROWN, JOEL                   | 2.00        | 0.80          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/21/22    | BROWN, JOEL                   | 2.00        | 0.50          | ASSIGNED      | Tablet/iPad      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/22/22    | BROWN, JOEL                   | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/22/22    | BROWN, JOEL                   | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/22/22    | BROWN, JOEL                   | 1.00        | 0.25          | ASSIGNED      | Tablet/iPad      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/23/22    | BROWN, JOEL                   | 1.50        | 3.51          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/23/22    | BROWN, JOEL                   | 1.50        | 0.60          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/23/22    | BROWN, JOEL                   | 1.50        | 0.38          | ASSIGNED      | Tablet/iPad      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/28/22    | BROWN, JOEL                   | 2.00        | 4.68          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/28/22    | BROWN, JOEL                   | 2.00        | 0.80          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/28/22    | BROWN, JOEL                   | 2.00        | 0.50          | ASSIGNED      | Tablet/iPad      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/30/22    | BROWN, JOEL                   | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/30/22    | BROWN, JOEL                   | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 11/30/22    | BROWN, JOEL                   | 1.00        | 0.25          | ASSIGNED      | Tablet/iPad      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 12/1/22     | BROWN, JOEL                   | 2.00        | 4.68          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 12/1/22     | BROWN, JOEL                   | 2.00        | 0.80          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1094815  | 12/13/22     | 12/1/22     | BROWN, JOEL                   | 2.00        | 0.50          | ASSIGNED      | Tablet/iPad      | PRJ-13308 | ENGINEERING |
|  |              |             | <b>BROWN, JOEL Total</b>      |             | <b>59.81</b>  |               |                  |           |             |
| 1094815  | 12/5/22      | 11/28/22    | LOCKHART, SIDNEY              | 2.00        | 0.80          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 11/28/22    | LOCKHART, SIDNEY              | 2.00        | 0.50          | ASSIGNED      | Tablet/iPad      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 11/28/22    | LOCKHART, SIDNEY              | 2.00        | 4.68          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 11/28/22    | LOCKHART, SIDNEY              | 2.00        | 11.38         | ASSIGNED      | Blazer/Suburbans | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 11/29/22    | LOCKHART, SIDNEY              | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 11/29/22    | LOCKHART, SIDNEY              | 1.00        | 0.25          | ASSIGNED      | Tablet/iPad      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 11/29/22    | LOCKHART, SIDNEY              | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 11/29/22    | LOCKHART, SIDNEY              | 1.00        | 5.69          | ASSIGNED      | Blazer/Suburbans | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 11/30/22    | LOCKHART, SIDNEY              | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 11/30/22    | LOCKHART, SIDNEY              | 1.00        | 0.25          | ASSIGNED      | Tablet/iPad      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 11/30/22    | LOCKHART, SIDNEY              | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 11/30/22    | LOCKHART, SIDNEY              | 1.00        | 5.69          | ASSIGNED      | Blazer/Suburbans | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 12/1/22     | LOCKHART, SIDNEY              | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 12/1/22     | LOCKHART, SIDNEY              | 1.00        | 0.25          | ASSIGNED      | Tablet/iPad      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 12/1/22     | LOCKHART, SIDNEY              | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1094815  | 12/5/22      | 12/1/22     | LOCKHART, SIDNEY              | 1.00        | 5.69          | ASSIGNED      | Blazer/Suburbans | PRJ-13308 | ENGINEERING |
|  |              |             | <b>LOCKHART, SIDNEY Total</b> |             | <b>43.40</b>  |               |                  |           |             |
| 1131284  | 11/21/22     | 11/15/22    | PUSCAS, JACK J                | 1.00        | 2.34          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1131284  | 11/21/22     | 11/15/22    | PUSCAS, JACK J                | 1.00        | 0.40          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1131284  | 12/6/22      | 11/28/22    | PUSCAS, JACK J                | 2.00        | 0.80          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1131284  | 12/6/22      | 11/28/22    | PUSCAS, JACK J                | 2.00        | 4.68          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1131284  | 12/7/22      | 12/2/22     | PUSCAS, JACK J                | 4.00        | 1.60          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1131284  | 12/7/22      | 12/2/22     | PUSCAS, JACK J                | 4.00        | 9.36          | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
| 1131284  | 12/13/22     | 12/6/22     | PUSCAS, JACK J                | 8.00        | 3.20          | ASSIGNED      | Cell Phone       | PRJ-13308 | ENGINEERING |
| 1131284  | 12/13/22     | 12/6/22     | PUSCAS, JACK J                | 8.00        | 18.72         | ASSIGNED      | PC/Computer      | PRJ-13308 | ENGINEERING |
|  |              |             | <b>PUSCAS, JACK J Total</b>   |             | <b>41.10</b>  |               |                  |           |             |
|  |              |             | <b>Grand Total</b>            |             | <b>144.31</b> |               |                  |           |             |



# Applied Science, Inc.

21455 Melrose Ave. Bldg R Suite 12 Southfield, MI 48075  
Phone: (313) 567-3990 Fax: (313) 567-3750  
www.asi-detroit.com

January 9, 2023

Project Invoice # 46 (ASI Inv. 8327)

Joel Brown, P.E.  
Civil Engineer III  
Oakland County Water Resources Commissioner's Office  
One Public Works Drive, Building 95 West  
Waterford, MI 48328

Re: Northeast Sanitary Pump Station  
Contract #5470  
(ASI Job No. 1815)

Invoice Period: 11/27/22-12/31/22

| Task No. | Task Description                        | Total This Invoice |
|----------|---|--------------------|
| 1        | <b>Transition &amp; Basis of Design</b> |                    |
|          | Total:                                  | \$ -               |
|          | Subconsultants:                         |                    |
|          | <b>FK Engineering:</b>                  | \$ -               |
|          | ASI Markup 5%:                          | \$ -               |
|          | <b>Total:</b>                           | <u>\$ -</u>        |
|          | Previous Amount Invoiced:               |                    |
|          | Total Invoiced To-Date                  |                    |
|          | Contract Task Total:                    |                    |
|          | Amount Remaining:                       |                    |

li# 41133 v#352

| Task No. | Task Description  | Total This Invoice |
|----------|---|--------------------|
| 2        | <b>Design Services for Pump &amp; Electrical Upgrades</b> |                    |
|          | Total:  | \$ -               |
|          | Subconsultants:   |                    |
|          | <b>Metco Services</b>                                     | \$ -               |
|          | <b>FK Engineering:</b>                                    | \$ -               |
|          | <b>NTH Consultants</b>                                    | \$ -               |
|          | <b>AEW</b>  | \$ -               |
|          | ASI Markup 5%:  | \$ -               |
|          | <b>Total Due This Invoice:</b>                            | <u>\$ -</u>        |
|          | <b>Total This Invoice</b>                                 | <u>\$ -</u>        |

| Task No. | Task Description                   | Total This Invoice |
|----------|------------------------------------|--------------------|
| 3        | <b>Additional Special Services</b> |                    |
|          | Total:                             | \$ -               |
|          | Subconsultants:                    |                    |
|          | <b>NTH Consultants</b>             | \$ -               |
|          | <b>FK Engineering:</b>             | \$ -               |
|          | ASI Markup 5%:                     | \$ -               |
|          | <b>Total Due This Invoice:</b>     | <u>\$ -</u>        |
|          | <b>Total This Invoice</b>          | <u>\$ -</u>        |

| Task No. | Task Description               | Total This Invoice  |
|----------|--------------------------------|---------------------|
| 5        | <b>Construction Services</b>   |                     |
|          | Total:                         | \$ 25,058.00        |
|          | Subconsultants:                |                     |
|          | <b>NTH Consultants</b>         | \$ 22,827.03        |
|          | <b>Metco Services</b>          | \$ 19,820.00        |
|          | <b>FK Engineering:</b>         | \$ -                |
|          | ASI Markup 5%:                 | \$ 2,132.35         |
|          | <b>Direct Expenses:</b>        | \$ -                |
|          | <b>Total Due This Invoice:</b> | <u>\$ 69,837.38</u> |
|          | Previous Amount Invoiced:      |                     |

84917-149015-730639-1-3309  
engcon

JTB 1/13/2023

| Task No. | Task Description               | Total This Invoice |
|----------|--------------------------------|--------------------|
| 6        | <b>Control Structure Rehab</b> |                    |
|          | Total:                         | \$ 7,994.50        |
|          | Subconsultants:                |                    |
|          | <b>NTH Consultants</b>         | \$ -               |
|          | <b>Metco Services</b>          | \$ -               |
|          | ASI Markup 5%:                 | \$ -               |
|          | <b>Direct Expenses:</b>        | \$ -               |
|          | <b>Total Due This Invoice:</b> | <u>\$ 7,994.50</u> |

82912-149667-730639-  
PRJ-17060 engcon

JTB 1/13/2023

### Summary

|  |                        |
|--|------------------------|
| <b>Total Due This Invoice-All Tasks:</b>             | <b>\$ 77,831.88</b>    |
| Previous Amount Invoiced:                            | \$ 539,866.62          |
| Amount Invoiced for MCC Incident (separate invoice): | \$ 18,458.89           |
| Total Invoiced To-Date                               | \$ 636,157.39          |
| Original Contract Task Total:                        | \$ 4,198,380.00        |
| Additional Budget-Task 5:                            | \$ 284,076.60          |
| Additional Budget-Task 6:                            | \$ 220,326.00          |
| Current Contract Task Total:                         | \$ 4,702,782.60        |
| Amount Remaining:                                    | <u>\$ 4,066,625.21</u> |



# Applied Science, Inc.

21455 Melrose Ave. Bldg R Suite 12 Southfield, MI 48075  
Phone: (313) 567-3990 Fax: (313) 567-3750  
www.asi-detroit.com

January 9, 2023

Project Invoice #46a ( ASI Inv. 8328)

Joel Brown, P.E.  
Civil Engineer III  
Oakland County Water Resources Commissioner's Office  
One Public Works Drive, Building 95 West  
Waterford, MI 48328

Re: Northeast Sanitary Pump Station  
Contract #5470  
(ASI Job No. 1815)

**84917-149015-730520-  
1-3309 engcon li# 41133 v#352**

Task - MCC Incident

Invoice Period: 11/27/22-12/31/22

1/13/2023

| <u>Employee</u>                       | <u>Job Classification</u> | <u>MCC Incident</u> | <u>Total Hours</u> | <u>Direct Labor Rate</u> | <u>Total</u>         |
|---------------------------------------|---------------------------|---------------------|--------------------|--------------------------|----------------------|
| Omar Hamdan                           | Construction Inspection   | 13.0                | 13.0               | \$ 85.00                 | \$ 1,105.00          |
| Total Labor:                          |                           | \$ 1,105.00         |                    |                          | \$ 1,105.00          |
| Subconsultant:NTH                     |                           | \$ 1,087.51         |                    |                          | \$ 1,087.51          |
| Subconsultant:METCO                   |                           | \$ 15,440.00        |                    |                          | \$ 15,440.00         |
|                                       |                           | \$ 16,527.51        |                    |                          | \$ 16,527.51         |
| ASI Markup 5%                         |                           | \$ 826.38           |                    |                          | \$ 826.38            |
| Direct Expenses ( receipts attached): |                           | \$ -                |                    |                          | \$ -                 |
| Total This Invoice:                   |                           | \$ 18,458.89        |                    |                          | <b>\$ 18,458.89</b>  |
| Previous Amount Invoiced:             |                           | \$ 13,303.22        |                    |                          | \$ 13,303.22         |
| Total Invoiced To Date:               |                           | \$ 31,762.11        |                    |                          | <u>\$ 31,762.11</u>  |
| Original Contract Task Total:         |                           | \$ 220,326.00       |                    |                          | \$ 220,326.00        |
| Current Task Total:                   |                           | \$ 220,326.00       |                    |                          | \$ 220,326.00        |
| Amount Remaining:                     |                           | \$ 188,563.89       |                    |                          | <u>\$ 188,563.89</u> |

SR



Oakland-Macomb Interceptor Drain Drainage District  
Attn: Megan Koss, Esq.  
1 Public Works Drive  
Waterford, MI 48328  
WRClegalinvoices@oakgov.com

Invoice: 1264979  
Date: 12/05/2022  
Client: 58434  
Matter: 424741

**82912-6010101-149030-731073-5113-v#2788**

Matter Name: GLWA Model Wastewater Contract

A handwritten signature in black ink, appearing to read 'JL B...'

1/13/2023

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**LEGAL SERVICES RENDERED AND COSTS ADVANCED THROUGH NOVEMBER 30, 2022**

|                                |           |                 |
|--------------------------------|-----------|-----------------|
| Total Fees:                    | \$        | 2,943.00        |
| <b>Total Due This Invoice:</b> | <b>\$</b> | <b>2,943.00</b> |



SR

84917-6010101-149015-731073-2603- 1-3308-LEGAL- Ch. 21  
v#4716 - li#24138 - exp. 12/31/23

*JL Ben* 1/13/2023

Oakland-Macomb Interceptor Drain Drainage District  
Attn: Megan Koss, Esq.  
1 Public Works Drive  
Waterford, MI 48328  
WRClegalinvoices@oakgov.com

Invoice: 1264980  
Date: 12/05/2022  
Client: 58434  
Matter: 404547

Matter Name: Northeast Interceptor East Arm Improvements

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**LEGAL SERVICES RENDERED AND COSTS ADVANCED THROUGH NOVEMBER 30, 2022**

|                                |           |               |
|--------------------------------|-----------|---------------|
| Total Fees:                    | \$        | 135.00        |
| <b>Total Due This Invoice:</b> | <b>\$</b> | <b>135.00</b> |



INVOICE DATE: DECEMBER 15, 2022  
 INVOICE NO.: 1762806

OAKLAND COUNTY WATER RESOURCES COMMISSIONER  
 ATTORNEY & INSURANCE ADMINISTRATOR  
 ONE PUBLIC WORKS DRIVE, #95  
 WATERFORD, MI 48328

ATTN: STEVE KORTH

CLIENT/MATTER NO.: 012840-00436

**82912 - 6010101 - 149030 - 731073 - 5089 -  
 Ch. 21 - v# 4978 - li# 39111**

RE: PREPARE BOARD MEMORANDUM RE LOCKOUT-TAGOUT (LOTO) ISSUE

1/13/2023

PRIVILEGED AND CONFIDENTIAL

FOR PROFESSIONAL SERVICES THROUGH NOVEMBER 30, 2022

USD

|                                    |           |               |
|------------------------------------|-----------|---------------|
| TOTAL FEES CURRENT INVOICE .....   | \$        | <u>118.50</u> |
| <b>TOTAL CURRENT INVOICE .....</b> | <b>\$</b> | <b>118.50</b> |

OUTSTANDING INVOICES ON THE MATTER BILLED ON THIS CURRENT INVOICE AS OF DECEMBER 15, 2022

| <u>INVOICE</u>                              | <u>DATE</u> | <u>BILLED VALUE</u> | <u>PAYMENTS</u> | <u>OUTSTANDING</u> |                      |
|---|-------------|---------------------|-----------------|--------------------|----------------------|
| 1749703                                     | 11/10/22    | 118.50              | (0.00)          | <u>118.50</u>      | <b>December OMID</b> |
| TOTAL OUTSTANDING FROM PRIOR INVOICES ..... |             |                     |                 | \$                 | 118.50               |
| <b>TOTAL AMOUNT DUE .....</b>               |             |                     |                 | <b>\$</b>          | <b><u>237.00</u></b> |

KC 12-22-2022

| Remittance Instructions   |  |   |   |
|---|--|---|---|
| ***Terms: Due and Payable Upon Receipt***                                     |  |   |   |
| Mail To:  | Pay Online:  | Wire Instructions:  | ACH Instructions:   |
| Dickinson Wright<br>PLLC<br>2600 W. Big Beaver<br>Suite 300<br>Troy, MI 48084 | Credit Card and<br>ACH/eCheck Payments<br><br>We accept Visa®,<br>Mastercard®, American<br>Express® and Discover®<br><br><a href="https://www.dickinson-wright.com/invoice-payment">https://www.dickinson-wright.com/invoice-payment</a> | JP Morgan Chase Bank N.A.<br>28660 Northwestern Highway<br>Southfield, MI 48034<br>ABA Number: 021 000 021<br>Swift Code: CHASUS33<br>(International)<br>Account# 38852 | JP Morgan Chase Bank<br>N.A.<br>28660 Northwestern<br>Highway<br>Southfield, MI 48034<br>ABA Number: 072 000<br>326<br>Account# 38852 |
| (Please reference your client/invoice numbers when paying electronically)     |  |   |   |



**Knowledgeable • Professional • Attentive • Likeable**  
 29770 Hudson Drive Novi, MI 48377  
 Phone: (586) 978-7200  
 hesco-mi.com

**Invoice No.** 2214090

Date: 12/22/2022

**82912 - 149130 - 730660 - 5819 - Ch. 21 - v#3091 - exp. 6/30/25 - li#42703**

**Billed To:** OMID Drainage District  
 1 Public Works Drive  
 Waterford MI 48328

*JL* *Bm* 1/13/2023

**Contract ID:** 5819  
**HESCO Project:** 2019807S OMID Flow Control Structures

**Contact:** Terry Moore      **P.O.#** WO#00813 CS-9      **Salesperson:** Kevin Livingston      **Due Date:** 01/21/2023

| Description                            | Unit  | Qty  | Rate   | Amount   |
|--|-------|------|--------|----------|
| <b>12/5/2022 CS-9, Troubleshooting</b> |       |      |        |          |
| Tech 1                                 | Hours | 4.50 | 185.00 | 832.50   |
| <b>12/6/2022 CS-9, Repair</b>          |       |      |        |          |
| Senoir Tech                            | Hours | 8.00 | 195.00 | 1,560.00 |
| Tech 1                                 | Hours | 8.00 | 185.00 | 1,480.00 |
| <b>Parts</b>                           |       |      |        |          |
| Pressure Switch                        | Each  | 1.00 | 520.00 | 520.00   |

**Notes:**

*TM-1-9-23*

|                     |                 |
|---------------------|-----------------|
| Non-Taxable Amount: | 3,872.50        |
| Taxable Amount:     | 520.00          |
| Sales Tax:          | 0.00            |
| Total Invoice       | 4,392.50        |
| Payments/Credits:   | 0.00            |
| <b>Amount Due</b>   | <b>4,392.50</b> |





Inland Lakes Landscaping Corp.

560 S. Telegraph Rd.  
Pontiac, MI 48341

**Invoice**

|           |           |
|-----------|-----------|
| Date      | Invoice # |
| 9/28/2022 | 24697     |
| Terms     |           |

|  |                             |
|--|-----------------------------|
| <b>Bill To</b>   | <b>Job Name</b>             |
| OCWRC<br>C/O George Nichols<br>Bldg 95 West-One Public Works Dr<br>Waterford, MI 48328 | Oakland Macomb Toepfer Site |

| Qty  | Description   | Rate                  | Amount               |
|--|---|-----------------------|----------------------|
| 1  | LS Vegetation Maintenance:<br>9/2/2022 - Applied Herbicide Treatment to kill vegetation<br>9/21/2022 - Mow, Trim Brush, Clean-up debris from site.<br>Sales Tax | 1,625.00<br><br>6.00% | 1,625.00<br><br>0.00 |
| <p><b>82912 - 155020 - 730373 - 4436 - Ch. 21 v# 16044</b></p> <p><i>JL Ben</i>                      1/13/2023</p> |   |                       |                      |

|                |                |                         |                         |            |
|----------------|----------------|-------------------------|-------------------------|------------|
|                |                |                         | <b>Total</b>            | \$1,625.00 |
| Phone #        | Fax #          | E-mail                  | <b>Payments/Credits</b> | \$0.00     |
| (248) 338-8088 | (248) 338-6705 | inlandlakes@comcast.net | <b>Balance Due</b>      | \$1,625.00 |



**KENNEDY**  
INDUSTRIES

INNOVATE  
SOLVE  
MONITOR  
REPAIR

| INVOICE    |        |        |
|------------|--------|--------|
| DATE       | NUMBER | PAGE   |
| 11/29/2022 | 634111 | 1 of 1 |

B OMI100  
I OAKLAND MACOMB INTERCEPTOR DRA  
L 1 PUBLIC WORKS DR.  
L SUBMIT INVOICES TO NEXGEN  
T WATERFORD, MI 48328  
O

S NORTH EAST PUMPING STATION  
H 11001 E. STATE FAIR AVE  
I DETROIT, MI 48234  
P

**82912-6010101-149090-730660-5825-  
ch.21- v#239 exp. 6/30/25**

T  
O

*John B...*

1/13/2023

ATTENTION:

TERRY MOORE

313-8297207

TMOORE@METCOSERVICES.COM

| CUSTOMER REF/PO # | JOB #   | JOB TITLE   | SLP         | SHIPPING TYPE | TERMS    |
|-------------------|---------|---|-------------|---------------|----------|
|                   | 0118330 | GREAT LAKES WATER AUTHORITY,<br>NORTHEAST PUMPING STATION,<br>FIELD SERVICE, SANITARY | KES/KTT     | FIELD SERVICE | NET 60   |
| QUANTITY          |         | PART NO.  | DESCRIPTION | UNIT PRICE    | EXTENDED |
| B/O               | Ship    |   |             |               |          |

|      |      |                   |   |          |          |
|------|------|-------------------|---|----------|----------|
| 0.00 | 1.00 | GRE550NORTHEASTPS | GLWA, NORTHEAST PUMP STATION<br>KENNEDY INDUSTRIES PROVIDED (1) FIELD SERVICE<br>TECHNICIAN(S) ONSITE ON 11/28/2022.<br>PLEASE SEE THE ATTACHED SERVICE REPORT. | \$693.00 | \$693.00 |
|------|------|-------------------|---|----------|----------|

THIS INVOICE REFLECTS:

(6) HOURS OF LABOR.

MILEAGE: \$33.00

*TIM-12-2-22*

PLEASE REMIT TO:  
KENNEDY INDUSTRIES, INC.  
P.O. BOX 930079  
WIXOM, MI 48393

|  |           |          |
|--|-----------|----------|
| <p>This invoice is subject to and incorporates by reference Kennedy Industries, Inc.'s ("Kennedy") Terms &amp; Conditions (Rev'd 4/2019) and Customer Warranty available at <a href="http://www.kennedyind.com">www.kennedyind.com</a> which will be provided by email upon written request. Buyer expressly agrees to the provisions set forth in the Terms &amp; Conditions and Customer Warranty posted on Kennedy's website</p> <p><b>*TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE *A 7% PER ANNUM SERVICE CHARGE SHALL BE APPLIED TO ANY BALANCE *CREDIT CARD PAYMENTS ARE SUBJECT TO AN ADDITIONAL 3% CHARGE</b></p> | SUBTOTAL: | \$693.00 |
|  | TAX:      | \$0.00   |
|  | TOTAL:    | \$693.00 |

P.O. Box 930079 Wixom, MI 48393 - 4925 Holtz Drive Wixom, MI 48393 - Phone: 248-684-1200 - Fax: 248-684-6011

**www.KennedyInd.com**



**KENNEDY**  
INDUSTRIES

INNOVATE  
SOLVE  
MONITOR  
REPAIR

| INVOICE    |        |        |
|------------|--------|--------|
| DATE       | NUMBER | PAGE   |
| 12/14/2022 | 634356 | 1 of 1 |

B OMI100  
I OAKLAND MACOMB INTERCEPTOR DRA  
L 1 PUBLIC WORKS DR.  
L SUBMIT INVOICES TO NEXGEN  
T WATERFORD, MI 48328  
O

S NORTH EAST PUMPING STATION  
H 11001 E. STATE FAIR AVE  
I DETROIT, MI 48234  
P

**82912-6010101-149090-730660-5825-**  
**ch.21- v#239 exp. 6/30/25**

*Jed B...*

1/13/2023

ATTENTION:  
TERRY MOORE

313-8297207

TMOORE@METCOSERVICES.COM

| CUSTOMER REF/PO # | JOB #   | JOB TITLE  | SLP     | SHIPPING TYPE | TERMS  |
|-------------------|---------|--|---------|---------------|--------|
|                   | 0118145 | GREAT LAKES WATER AUTHORITY,<br>NEPS, FIELD SERVICE, WATER | KES/KTT | FIELD SERVICE | NET 60 |

| QUANTITY |      | PART NO. | DESCRIPTION | UNIT PRICE | EXTENDED |
|----------|------|----------|-------------|------------|----------|
| B/O      | Ship |          |             |            |          |

0.00 1.00 GRE550NORTHEASTPS GLWA, NORTHEAST PUMP STATION \$10,614.45 \$10,614.45

KENNEDY INDUSTRIES PROVIDED (2) FIELD SERVICE  
TECHNICIAN(S) ONSITE ON 12/2/2022, 12/9/2022 & ✓  
12/10/2022. ✓  
PLEASE SEE THE ATTACHED SERVICE REPORT.

THIS INVOICE REFLECTS:

(46.5) HOURS OF LABOR.

(3) OIL 55 GALLON DRUM - \$5,247.45 (\$1,749.15 EA.)

MILEAGE: \$99.00 (\$33.00/PER DAY)

*TM-12-16-22*

PLEASE REMIT TO:  
KENNEDY INDUSTRIES, INC.  
P.O. BOX 930079  
WIXOM, MI 48393

*TM-12-16-22*

|  |           |             |
|--|-----------|-------------|
| <p>This invoice is subject to and incorporates by reference Kennedy Industries, Inc.'s ("Kennedy") Terms &amp; Conditions (Rev'd 4/2019) and Customer Warranty available at <a href="http://www.kennedyind.com">www.kennedyind.com</a> which will be provided by email upon written request. Buyer expressly agrees to the provisions set forth in the Terms &amp; Conditions and Customer Warranty posted on Kennedy's website</p> <p><b>*TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE *A 7% PER ANNUM SERVICE CHARGE SHALL BE APPLIED TO ANY BALANCE *CREDIT CARD PAYMENTS ARE SUBJECT TO AN ADDITIONAL 3% CHARGE</b></p> | SUBTOTAL: | \$10,614.45 |
|  | TAX:      | \$0.00      |
|  | TOTAL:    | \$10,614.45 |

P.O. Box 930079 Wixom, MI 48393 - 4925 Holtz Drive Wixom, MI 48393 - Phone: 248-684-1200 - Fax: 248-684-6011

[www.KennedyInd.com](http://www.KennedyInd.com)



INVOICE NO. 1811-48

DATE: January 3, 2023

METCO PROJECT NO. 1811

INVOICE PERIOD: 12/5 thru 12/31/2022

Contract ID 00000000000000000000517

Vendor ID 000020486

TO: OMIDD

Water Resources Commissioner  
One Public Works Drive  
Waterford, MI 48328

Attn: Mr. Sid Lockhart, PE  
Deputy Chief Engineer/Special Projects Manager

TITLE: OMID & NESPS Operation and Maintenance

**Operational Plan**

**OMID Operations - Fund 82912, Program 149130, Account 730373 (3.1-3.4A & 3.4B)**

JTB 1/13/2023

| Name                            | Title                       | Hrs. | Rate/Hr.  | Amount           |
|---------------------------------|-----------------------------|------|-----------|------------------|
| Raj Vijayendran, PE             | Principal Engineer          | 0.0  | \$ 215.00 | \$ -             |
| Terry Moore                     | Operations Manager          | 32.0 | \$ 145.00 | \$ 4,640.00      |
| Terry Moore                     | Operations Manager (Overtim | 7.0  | \$ 195.00 | \$ 1,365.00      |
| Darrin Green                    | Staff Engineer              | 42.0 | \$ 90.00  | \$ 3,780.00      |
| Darrin Green                    | Staff Engineer-(Overtime)   | 10.5 | \$ 135.00 | \$ 1,417.50      |
| Anthony Vozza                   | Staff Engineer              | 54.0 | \$ 90.00  | \$ 4,860.00      |
| Anthony Vozza                   | Staff Engineer-(Overtime)   | 21.0 | \$ 135.00 | \$ 2,835.00      |
| Rosana Santos                   | Administrative Assoc.       | 0.0  | \$ 73.79  | \$ -             |
| <b>Subtotal OMID Operatons:</b> |                             |      | <b>\$</b> | <b>18,897.50</b> |

**NEPS Operations - Fund 82912, Program 149090, Account 730373 (3.1-3.4A & 3.4B)**

JTB 1/13/2023

| Name                            | Title                       | Hrs. | Rate/Hr.  | Amount           |
|---------------------------------|-----------------------------|------|-----------|------------------|
| Raj Vijayendran, PE             | Principal Engineer          | 8.0  | \$ 215.00 | \$ 1,720.00      |
| Terry Moore                     | Operations Manager          | 40.0 | \$ 145.00 | \$ 5,800.00      |
| Terry Moore                     | Operations Manager (Overtim | 16.0 | \$ 195.00 | \$ 3,120.00      |
| Darrin Green                    | Staff Engineer              | 42.0 | \$ 90.00  | \$ 3,780.00      |
| Darrin Green                    | Staff Engineer-(Overtime)   | 0.0  | \$ 135.00 | \$ -             |
| Anthony Vozza                   | Staff Engineer              | 0.0  | \$ 90.00  | \$ -             |
| Anthony Vozza                   | Staff Engineer-(Overtime)   | 0.0  | \$ 135.00 | \$ -             |
| Rosana Santos                   | Administrative Assoc.       | 4.0  | \$ 73.79  | \$ 295.16        |
| <b>Subtotal NEPS Operations</b> |                             |      | <b>\$</b> | <b>14,715.16</b> |
| <b>Subtotal Operations</b>      |                             |      | <b>\$</b> | <b>33,612.66</b> |

**Maintenance & Asset Management**

**OMID Maintenance - Fund 82912, Program 149130, Account 730646 (3.2-3.3-3.4C & ALLOWANCE)**

JTB 1/13/2023

| Name                              | Title                       | Hrs. | Rate/Hr.  | Amount          |
|-----------------------------------|-----------------------------|------|-----------|-----------------|
| Terry Moore                       | Operations Manager          | 30.0 | \$ 145.00 | \$ 4,350.00     |
| Terry Moore                       | Operations Manager (Overtim | 0.0  | \$ 195.00 | \$ -            |
| Anthony Vozza                     | Staff Engineer              | 0.0  | \$ 90.00  | \$ -            |
| Darrin Green                      | Staff Engineer              | 0.0  | \$ 90.00  | \$ -            |
| <b>Subtotal OMID Maintenance:</b> |                             |      | <b>\$</b> | <b>4,350.00</b> |

**NEPS Maintenance - Fund 82912, Program 149090, Account 730646 (3.2-3.3-3.4C & ALLOWANCE)**

JTB 1/13/2023

| Name                | Title                       | Hrs. | Rate/Hr.  | Amount      |
|---------------------|-----------------------------|------|-----------|-------------|
| Raj Vijayendran, PE | Principal Engineer          | 8.0  | \$ 215.00 | \$ 1,720.00 |
| Terry Moore         | Operations Manager          | 38.0 | \$ 145.00 | \$ 5,510.00 |
| Terry Moore         | Operations Manager (Overtim | 12.0 | \$ 195.00 | \$ 2,340.00 |
| Daniel Martel       | Sr. Project Coordinator     | 0.0  | \$ 145.00 | \$ -        |
| Sean Grant          | Sr. Project Engineer        | 0.0  | \$ 145.00 | \$ -        |

|  |                           |      |    |        |           |                  |
|--|---------------------------|------|----|--------|-----------|------------------|
| Travis Ford  | Sr. Project Engineer      | 0.0  | \$ | 145.00 | \$        | -                |
| Shailesh Patel                                       | Sr. Project Engineer      | 0.0  | \$ | 145.00 | \$        | -                |
| Darrin Green   | Staff Engineer            | 38.0 | \$ | 90.00  | \$        | 3,420.00         |
| Darrin Green   | Staff Engineer-(Overtime) | 3.0  | \$ | 135.00 | \$        | 405.00           |
| Anthony Vozza  | Staff Engineer            | 54.0 | \$ | 90.00  | \$        | 4,860.00         |
| Anthony Vozza  | Staff Engineer-(Overtime) | 0.0  | \$ | 135.00 | \$        | -                |
| Brandon Brochue                                      | Designer/Drafter          | 0.0  | \$ | 85.00  | \$        | -                |
| <b>Subtotal:</b>                                     |                           |      |    |        | <b>\$</b> | <b>18,255.00</b> |
| <b>Maintenance Services (see attached invoices):</b> |                           |      |    |        | <b>\$</b> | <b>2,140.09</b>  |
| <b>Subtotal NEPS Maintenance:</b>                    |                           |      |    |        | <b>\$</b> | <b>20,395.09</b> |
| <b>Subtotal Maintenance:</b>                         |                           |      |    |        | <b>\$</b> | <b>24,745.09</b> |

**NEXGEN Asset Management Implementation Services – Fund 82912, Program 149090, Account 730646**

JTB 1/13/2023

| <u>Name</u>                  | <u>Title</u>                | <u>Hrs.</u> |    | <u>Rate/Hr.</u> |           | <u>Amount</u>   |
|------------------------------|-----------------------------|-------------|----|-----------------|-----------|-----------------|
| Raj Vijayendran, PE          | Principal Engineer          | 0.0         | \$ | 215.00          | \$        | -               |
| Terry Moore                  | Operations Manager          | 0.0         | \$ | 145.00          | \$        | -               |
| Terry Moore                  | Operations Manager (Overtim | 0.0         | \$ | 195.00          | \$        | -               |
| Sean Grant                   | Sr. Project Engineer        | 10.0        | \$ | 145.00          | \$        | 1,450.00        |
| Darrin Green                 | Staff Engineer              | 0.0         | \$ | 90.00           | \$        | -               |
| Darrin Green                 | Staff Engineer-(Overtime)   | 0.0         | \$ | 135.00          | \$        | -               |
| Anthony Vozza                | Staff Engineer              | 0.0         | \$ | 90.00           | \$        | -               |
| Abhishek Shah                | Staff Engineer              | 90.0        | \$ | 90.00           | \$        | 8,100.00        |
| Brandon Brochue              | Designer/Drafter            | 0.0         | \$ | 85.00           | \$        | -               |
| <b>Subtotal Maintenance:</b> |                             |             |    |                 | <b>\$</b> | <b>9,550.00</b> |

**Task 12.0 - As-Needed Services**

|   |           |          |
|---|-----------|----------|
| <b>Additional General/Excess Liability Insurance Fee:</b> | <b>\$</b> | <b>-</b> |
| <b>Subtotal 12.0:</b>                                     | <b>\$</b> | <b>-</b> |

**TOTAL AMOUNT DUE THIS INVOICE: \$ 67,907.75**



**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**  
AUTOMATION AND CONTROLS SOLUTIONS  
 9440 GRINNELL  
 DETROIT, MI 48213-1151  
 PHONE (313) 921-5300 FAX (313) 921-5310  
 "AN EQUAL OPPORTUNITY EMPLOYER"

# INVOICE

OMID  
 ONE PUBLIC WORKS DRIVE, BUILDING 95  
 WATERFORD, MI 48328-

Customer  
 PO Number  
 5469

| Job Number | Sub Job | Contract Number | Date Performed | Application |        |
|------------|---------|-----------------|----------------|-------------|--------|
|            |         |                 |                | Date        | Number |
| 923567     | 0       | 001             | 11/2/2022      | 12/5/2022   | 94859  |

SID LOCKHART

| Item No               | Description of Work | Contract Amount | Previous Billings | Current Amount  | To Date Complete & Stored | Balance To Finish | Current Retainage |
|-----------------------|---------------------|-----------------|-------------------|-----------------|---------------------------|-------------------|-------------------|
| 001                   | T&MNESP SCADA       | \$225.00        | -                 | \$225.00        | \$225.00                  | -                 | -                 |
| <b>Totals:</b>        |                     | <b>\$225.00</b> |                   | <b>\$225.00</b> | <b>\$225.00</b>           |                   |                   |
| Less Retained:        |                     |                 |                   | -               |                           |                   |                   |
| <b>Invoice Total:</b> |                     |                 |                   | <b>\$225.00</b> |                           |                   |                   |

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE  
 SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

**82912 - 6010101 - 149090- 730660 - 5469 - Ch. 21 - v# 7755 - li# 41132 - exp. 12/31/23**

WORK ORDER #00770 - WORK PERFORMED 11/2/2022

*JL Ben*

1/13/2023

*12-7-22*

complete electrical construction

"We hereby certify that the articles and services covered by this invoice were produced and performed in compliance with all applicable requirements of Section 6, 7 and 12 of the Fair Labor Standards Act, as amended, and of regulations and orders of the United States Department of Labor issued under Section 14 thereof."



**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**  
 AUTOMATION AND CONTROLS SOLUTIONS  
 9440 GRINNELL  
 DETROIT, MI 48213-1151  
 PHONE (313) 921-5300 FAX (313) 921-5310  
 "AN EQUAL OPPORTUNITY EMPLOYER"

# INVOICE

OMID  
 ONE PUBLIC WORKS DRIVE, BUILDING 95  
 WATERFORD, MI 48328-

Customer  
 PO Number  
 5469

| Job Number | Sub Job | Contract Number | Date Performed | Application |        |
|------------|---------|-----------------|----------------|-------------|--------|
|            |         |                 |                | Date        | Number |
| 923567     | 0       | 001             | 11/14/2022     | 12/5/2022   | 94860  |

SID LOCKHART

| Item No               | Description of Work | Contract Amount | Previous Billings | Current Amount | To Date Complete & Stored | Balance To Finish | Current Retainage |
|-----------------------|---------------------|-----------------|-------------------|----------------|---------------------------|-------------------|-------------------|
| 001                   | T&MNE SP SCADA      | \$90.00         | -                 | \$90.00        | \$90.00                   | -                 | -                 |
| <b>Totals:</b>        |                     | <b>\$90.00</b>  |                   | <b>\$90.00</b> | <b>\$90.00</b>            |                   |                   |
| Less Retained:        |                     |                 |                   | -              |                           |                   |                   |
| <b>Invoice Total:</b> |                     |                 |                   | <b>\$90.00</b> |                           |                   |                   |

AS NEEDED ELECTRIC AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

**82912 - 6010101 - 149090- 730660 - 5469 - Ch. 21 - v# 7755 - li# 41132 - exp. 12/31/23**

*JL Ben*

1/13/2023

WORK ORDER #00797-WORK PERFORMED 11/14/2022

*TM-12-7-22*

complete electrical construction

"We hereby certify that the articles and services covered by this invoice were produced and performed in compliance with all applicable requirements of Section 6, 7 and 12 of the Fair Labor Standards Act, as amended, and of regulations and orders of the United States Department of Labor issued under Section 14 thereof."



**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

PHONE (313) 921-5300 FAX (313) 921-5310

"AN EQUAL OPPORTUNITY EMPLOYER"

# INVOICE

OMID  
ONE PUBLIC WORKS DRIVE, BUILDING 95  
WATERFORD, MI 48328-

Customer  
PO Number  
5469

| Job Number | Sub Job | Contract Number | Date Performed | Application |        |
|------------|---------|-----------------|----------------|-------------|--------|
|            |         |                 |                | Date        | Number |
| 923567     | 0       | 001             | 12/6/2022      | 1/5/2023    | 94919  |

SID LOCKHART

| Item No               | Description of Work | Contract Amount | Previous Billings | Current Amount  | To Date Complete & Stored | Balance To Finish | Current Retainage |
|-----------------------|---------------------|-----------------|-------------------|-----------------|---------------------------|-------------------|-------------------|
| 001                   | T&MNESP SCADA       | \$187.00        | -                 | \$187.00        | \$187.00                  | -                 | -                 |
| <b>Totals:</b>        |                     | <b>\$187.00</b> |                   | <b>\$187.00</b> | <b>\$187.00</b>           |                   |                   |
| Less Retained:        |                     |                 |                   | -               |                           |                   |                   |
| <b>Invoice Total:</b> |                     |                 |                   | <b>\$187.00</b> |                           |                   |                   |

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK ORDER 00812 - WORK PERFORMED 12/6/2022

**82912-6010101-149090-730660-5469 - CH. 21 - v #7755 - li#41132 - exp. 12/31/23**

*Jed Brun*

1/13/2023

*TM-1-5-23*

complete electrical construction

"We hereby certify that the articles and services covered by this invoice were produced and performed in compliance with all applicable requirements of Section 6, 7 and 12 of the Fair Labor Standards Act, as amended, and of regulations and orders of the United States Department of Labor issued under Section 14 thereof."





**84917 - 6010101 - 149015 - 730639 - 2603 - 1-3308 - Ch.21 v#4716 - li#24138 -  
exp. 12/31/23**

OMI Drain Drainage District *Jed* *Bru*  
One Public Works Drive  
Building 95 West  
Waterford, MI 48328

1/13/2023

Invoice #: 631697  
Project: 61-190078  
Invoice Group: NI-EA  
Invoice Date: 1/5/2023

Attention: Sid Lockhart

For Professional Services Rendered from 11/19/2022 - 12/23/2022

Engineering Design Services for Rehabilitation of NI-EA Sections PCI-4

|          |                                    |              |
|----------|------------------------------------|--------------|
| Task 01  | Project Management                 | \$276,159.00 |
| Task 02  | Condition Assessment               | \$241,609.00 |
| Task 03  | Subsurface Utility Engineering     | \$65,579.00  |
| Task 04  | Basemap Survey                     | \$89,327.00  |
| Task 05  | Geotechnical Investigation         | \$134,797.00 |
| Task 05A | 7-Mile Utility Exploration/Design  | \$0.00       |
| Task 05B | Additional Geotech for PCI-4 Shaft | \$0.00       |
| Task 06  | Environmental Study                | \$60,642.00  |
| Task 07  | Basis of Design                    | \$379,785.00 |
| Task 08  | Rehabilitation Design              | \$282,099.00 |
| Task 09  | Contract Drawings                  | \$235,070.00 |
| Task 10  | Contract Specifications            | \$188,178.00 |
| Task 11  | Construction Costs                 | \$27,761.00  |
| Task 12  | Permits & Coordination             | \$25,655.00  |
| Task 13  | Bidding Assistance                 | \$198,402.00 |
| Task 14  | Gate Automation                    | \$68,770.00  |
| Task 15  | Odor & Air Flow Study              | \$103,470.00 |

Preliminary Budget Amount \$2,377,303.00  
Percent Complete: 95.91%

| Analysis of Costs                               |        | This Invoice        | Cumulative             |
|---|--------|---------------------|------------------------|
| Direct Salaries                                 |        | \$ 4,572.20         | \$ 326,641.32          |
| Overhead %                                      | 188.00 | <u>8,595.74</u>     | <u>614,085.71</u>      |
| Total Regular Labor Expense                     |        | 13,167.94           | 940,727.03             |
| <b>Total Direct Labor</b>                       |        | 13,167.94           | 939,105.86             |
| <b>Profit / Fixed Fee %</b>                     | 12.00  | 1,580.15            | 112,887.22             |
| Direct Expenses Charge                          |        | 2,439.16            | 30,193.73              |
| Expense Multiplier %                            | 5.00   | 121.96              | 1,509.73               |
| Direct Subcontractor Charge                     |        | 2,201.85            | 1,127,080.85           |
| Subcontractor/Subconsultant Multiplier %        | 6.00   | 132.11              | 67,624.99              |
| <b>Total Other Direct Charges Reimbursables</b> |        | <u>4,895.08</u>     | <u>1,226,409.30</u>    |
| <b>Total Costs:</b>                             |        | <u>19,643.17</u>    | <u>2,280,023.55</u>    |
| <b>Total Due This Invoice</b>                   |        | <u>\$ 19,643.17</u> | <u>\$ 2,280,023.55</u> |



**84917- 6010101 - 149015 - 731444 - 2603 -  
1-3308- ch 21 - engcon v#4716 - li#24138 - exp.  
12/31/23**

**JTB**

**1/13/2023**

**OMI Drain Drainage District  
One Public Works Drive  
Building 95 West  
Waterford, MI 48328**

**Invoice # : 631698  
Project : 61-200186  
Invoice Group : \*\*  
Invoice Date : 1/5/2023**

**Attentior Sid Lockhart**

**For Professional Services Rendered from 11/19/2022 - 12/23/2022**

Provide Engineering Services for OMID NI-EA Contract No.1 PCI-4 Rehabilitation Project and CS-9 Gate Installation Project D-425

|                |                                      |                       |
|----------------|--------------------------------------|-----------------------|
| <b>Task 01</b> | <b>NI-EA OMID Contract No. 1 CCA</b> | <b>\$2,262,847.00</b> |
| <b>Task 02</b> | <b>OMID CS-9 Gate CCA</b>            | <b>\$217,468.00</b>   |
|                | <b>Preliminary Budget Amount</b>     | <b>\$2,480,315.00</b> |
|                | <b>Percent Complete:</b>             | 80.25%                |

| <b>Analysis of Costs</b>                        |              | <b>This Invoice</b> | <b>Cumulative</b>      |
|---|--------------|---------------------|------------------------|
| Direct Salaries                                 | \$           | 29,638.89           | \$ 427,075.81          |
| Overhead %                                      | 188.00       | 55,721.11           | 802,902.53             |
| Total Regular Labor Expense                     |              | 85,360.00           | 1,229,978.34           |
| <b>Total Direct Labor</b>                       |              | <b>85,360.00</b>    | <b>1,229,978.34</b>    |
| <b>Profit / Fixed Fee %</b>                     | <b>12.00</b> | <b>10,243.20</b>    | <b>147,597.43</b>      |
| Direct Expenses Charge                          |              | 2,708.15            | 29,528.29              |
| Expense Multiplier %                            | 5.00         | 135.41              | 1,476.41               |
| Direct Subcontractor Charge                     |              | 1,603.60            | 548,953.75             |
| Subcontractor/Subconsultant Multiplier %        | 6.00         | 96.22               | 32,937.29              |
| Direct Unit Rate Charge                         |              | 0.00                | 0.00                   |
| <b>Total Other Direct Charges Reimbursables</b> |              | <b>4,543.38</b>     | <b>612,895.74</b>      |
| <b>Total Costs:</b>                             |              | <b>100,146.58</b>   | <b>1,990,471.51</b>    |
| <b>Total Due This Invoice</b>                   | <b>\$</b>    | <b>100,146.58</b>   | <b>\$ 1,990,471.51</b> |



**NTH Consultants, Ltd.**  
Infrastructure Engineering  
and Environmental Services

**84917- 6010101 - 149015 - 731458 - 2603 - 1-3309-  
ch 21 - engcon v#4716 - li#24138 - exp. 12/31/23**

Omi Drain Drainage District  
One Public Works Drive  
Building 95 West  
Waterford, MI 48328

1/13/2023

Invoice # : 631699  
Project : 61-200280  
Invoice Group : CMT  
Invoice Date : 1/5/2023

Attentior Sid Lockhart

For Professional Services Rendered from 11/19/2022 - 12/23/2022

Provide Engineering and Consulting Services regarding NESPS Pumping and Electrical System Upgrade (D-421)

|         |                                  |                     |
|---------|----------------------------------|---------------------|
| Task 01 | CMT Services                     | \$130,138.00        |
| Task 02 | Tnemec Coating Observation       | \$0.00              |
|         | <b>Preliminary Budget Amount</b> | <b>\$130,138.00</b> |
|         | <b>Percent Complete:</b>         | 91.01%              |

| Analysis of Costs                               | This Invoice        | Cumulative           |
|---|---------------------|----------------------|
| Direct Salaries                                 | \$ 663.22           | \$ 31,525.15         |
| Overhead %                                      | 188.00 1,246.85     | 59,267.30            |
| Total Regular Labor Expense                     | 1,910.07            | 90,792.45            |
| <b>Total Direct Labor</b>                       | <b>1,910.07</b>     | <b>90,792.45</b>     |
| <b>Profit / Fixed Fee %</b>                     | <b>12.00 229.21</b> | <b>10,895.10</b>     |
| Direct Expenses Charge                          | 382.86              | 15,940.65            |
| Expense Multiplier %                            | 5.00 19.14          | 797.03               |
| Direct Subcontractor Charge                     | 0.00                | 10.00                |
| Subcontractor/Subconsultant Multiplier %        | 6.00 0.00           | 0.60                 |
| Direct Unit Rate Charge                         | 0.00                | 0.00                 |
| <b>Total Other Direct Charges Reimbursables</b> | <b>402.00</b>       | <b>16,748.28</b>     |
| <b>Total Costs:</b>                             | <b>2,541.28</b>     | <b>118,435.83</b>    |
| <b>Total Due This Invoice</b>                   | <b>\$ 2,541.28</b>  | <b>\$ 118,435.83</b> |



**NTH Consultants, Ltd.**  
Infrastructure Engineering  
and Environmental Services

OMI Drain Drainage District  
One Public Works Drive  
Building 95 West  
Waterford, MI 48328

Invoice # : 631700  
Project : 61210495  
Invoice Group :  
Invoice Date : 1/5/2023

Attention: Sid Lockhart

For Professional Services Rendered from 11/19/2022 - 12/23/2022

Authorization per Engineering Work Order D 439 date 12/03/2021  
82912-149662-730639-Cont#1-2603 Exp (12/31/21-Rev)  
82912- 6010101- 149662-730639- 2603 - Ch.21 - v# 4716 - li #24138 - exp. 12/31/23

1/13/2023

Additional OMID NESPS Maintenance Engineering Services

|         |   |             |
|---------|---|-------------|
| Task 01 | NESPS Health and Safety Audit                             | \$16,137.00 |
| Task 02 | Control Structure 6 (CS-6) Emergency Bypass System Design | \$39,643.00 |
| Task 03 | Wet Wall Screen Cleaning Equipment                        | \$17,069.00 |
| Task 04 | Control Structure Gate Inspection                         | \$10,022.00 |

Preliminary Budget Amount \$82,871.00  
Percent Complete: 88.44%

| Analysis of Costs                               |        | This Invoice       | Cumulative          |
|---|--------|--------------------|---------------------|
| Direct Salaries                                 |        | \$ 1,045.64        | \$ 16,513.06        |
| Overhead %                                      | 188.00 | 1,965.80           | 31,044.54           |
| Total Regular Labor Expense                     |        | 3,011.44           | 47,557.60           |
| <b>Total Direct Labor</b>                       |        | <b>3,011.44</b>    | <b>47,557.60</b>    |
| <b>Profit / Fixed Fee %</b>                     | 12.00  | <b>361.37</b>      | 5,706.91            |
| Direct Expenses Charge                          |        | 92.58              | 495.03              |
| Expense Multiplier %                            | 5.00   | 4.63               | 24.76               |
| Direct Subcontractor Charge                     |        | 605.60             | 18,400.50           |
| Subcontractor/Subconsultant Multiplier %        | 6.00   | 36.34              | 1,104.04            |
| <b>Total Other Direct Charges Reimbursables</b> |        | <b>739.15</b>      | <b>20,024.33</b>    |
| <b>Total Costs:</b>                             |        | <b>4,111.96</b>    | <b>73,288.84</b>    |
| <b>Total Due This Invoice</b>                   |        | <b>\$ 4,111.96</b> | <b>\$ 73,288.84</b> |



PM Technologies  
 28294 Beck Road, Wixom, Michigan 48393 United States  
 (248) 374-6405

**BILL TO**

County Of Oakland  
 A Michigan Constitutional Corp  
 Detroit, MI 48234 USA

**82912-6010101-149090-730660-5821 - CH. 21**

*J. Ben*

**1/13/2023**

|                     |                              |
|---------------------|------------------------------|
| INVOICE<br>63551014 | INVOICE DATE<br>Aug 01, 2022 |
|---------------------|------------------------------|

**JOB ADDRESS**

Northeast Sewage Pumping Station - Generator 1  
 11001 East State Fair Avenue  
 Detroit, MI 48234 USA

**Completed Date:** 8/1/2022  
**Customer PO:** WO#00672  
**Payment Term:** NET 10 DAYS  
**Due Date:** 8/11/2022

| TASK       | DESCRIPTION   | QTY  | PRICE    | TOTAL    |
|------------|---|------|----------|----------|
| SERCALL_Z1 | Service Calls: Flat Fee \$205.00, \$129.00 per hour | 1.00 | \$205.00 | \$205.00 |

CAT/KATO A269500000 13669-05

|                  |                  |      |          |          |
|------------------|------------------|------|----------|----------|
| Technician labor | Technician labor | 1.50 | \$129.00 | \$193.50 |
|------------------|------------------|------|----------|----------|

CAT/KATO A269500000 13669-05

*TM-12-7-22*

|                    |                 |
|--------------------|-----------------|
| <b>SUB-TOTAL</b>   | \$398.50        |
| <b>TOTAL DUE</b>   | \$398.50        |
| <b>BALANCE DUE</b> | <b>\$398.50</b> |

Thank you for choosing PM Technologies

**CUSTOMER AUTHORIZATION**

This invoice is agreed and acknowledged. Payment is due upon receipt. A service fee will be charged for any returned checks, and a financing charge of 1% per month shall be applied for overdue amounts.

Sign here

*Dan Green*

Date: 8/1/2022

**CUSTOMER ACKNOWLEDGEMENT**



PM Technologies  
28294 Beck Road, Wixom, Michigan 48393 United States  
(248) 374-6405

**BILL TO**

County Of Oakland  
A Michigan Constitutional Corp  
Detroit, MI 48234 USA

**82912-6010101-149090-730660-5821 - CH. 21**

*Jed Brun*

1/13/2023

|                     |                              |
|---------------------|------------------------------|
| INVOICE<br>72326530 | INVOICE DATE<br>Dec 01, 2022 |
|---------------------|------------------------------|

**JOB ADDRESS**

Northeast Sewage Pumping Station - Generator 1  
11001 East State Fair Avenue  
Detroit, MI 48234 USA

Completed Date: 12/1/2022  
Payment Term: NET 10 DAYS  
Due Date: 12/11/2022

| TASK                              | DESCRIPTION           | QTY  | PRICE      | TOTAL      |
|-----------------------------------|-----------------------|------|------------|------------|
| PMA -<br>Quarterly<br>Inspections | Quarterly Inspections | 1.00 | \$1,050.00 | \$1,050.00 |

CAT/KATO A269500000 13669-05

*TM-12-12-22*

|             |                   |
|-------------|-------------------|
| SUB-TOTAL   | \$1,050.00        |
| TOTALDUE    | \$1,050.00        |
| BALANCE DUE | <b>\$1,050.00</b> |

Thank you for choosing PM Technologies



PM Technologies  
28294 Beck Road, Wixom, Michigan 48393 United States  
(248) 374-6405

**BILL TO**

County Of Oakland  
A Michigan Constitutional Corp  
Detroit, MI 48234 USA

**82912-6010101-149090-730660-5821 - CH. 21**

*Jed Ben*

1/13/2023

|                     |                              |
|---------------------|------------------------------|
| INVOICE<br>72334903 | INVOICE DATE<br>Dec 01, 2022 |
|---------------------|------------------------------|

**JOB ADDRESS**

Northeast Sewage Pumping Station - Generator 2  
11001 East State Fair Avenue  
Detroit, MI 48234 USA

Completed Date: 12/1/2022  
Payment Term: NET 10 DAYS  
Due Date: 12/11/2022

| TASK                              | DESCRIPTION           | QTY  | PRICE      | TOTAL      |
|-----------------------------------|-----------------------|------|------------|------------|
| PMA -<br>Quarterly<br>Inspections | Quarterly Inspections | 1.00 | \$1,050.00 | \$1,050.00 |
| CAT/KATO A269500000 13669-04      |                       |      |            |            |

*TM-12-12-22*

|             |                   |
|-------------|-------------------|
| SUB-TOTAL   | \$1,050.00        |
| TOTAL DUE   | \$1,050.00        |
| BALANCE DUE | <b>\$1,050.00</b> |

Thank you for choosing PM Technologies



PM Technologies  
28294 Beck Road, Wixom, Michigan 48393 United States  
(248) 374-6405

**BILL TO**

County Of Oakland  
A Michigan Constitutional Corp  
Detroit, MI 48234 USA

**82912-6010101-149090-730660-5821 - CH. 21**

*JL Ben*

**1/13/2023**

|                     |                              |
|---------------------|------------------------------|
| INVOICE<br>72338425 | INVOICE DATE<br>Dec 01, 2022 |
|---------------------|------------------------------|

**JOB ADDRESS**

Northeast Sewage Pumping Station - Generator 3  
11001 East State Fair Avenue  
Detroit, MI 48234 USA

Completed Date: 12/1/2022  
Payment Term: NET 10 DAYS  
Due Date: 12/11/2022

| TASK                              | DESCRIPTION           | QTY  | PRICE      | TOTAL      |
|-----------------------------------|-----------------------|------|------------|------------|
| PMA -<br>Quarterly<br>Inspections | Quarterly Inspections | 1.00 | \$1,050.00 | \$1,050.00 |
| CAT/KATO A269500000 13669-03      |                       |      |            |            |

*TM-12-12-22*

|             |                   |
|-------------|-------------------|
| SUB-TOTAL   | \$1,050.00        |
| TOTAL DUE   | \$1,050.00        |
| BALANCE DUE | <b>\$1,050.00</b> |

Thank you for choosing PM Technologies





PM Technologies  
28294 Beck Road, Wixom, Michigan 48393 United States  
(248) 374-6405

**BILL TO**

County Of Oakland  
A Michigan Constitutional Corp  
Detroit, MI 48234 USA

**82912-6010101-149090-730660-5821 - CH. 21**

*Jed Brun*

**1/13/2023**

|                     |                              |
|---------------------|------------------------------|
| INVOICE<br>72339325 | INVOICE DATE<br>Dec 01, 2022 |
|---------------------|------------------------------|

**JOB ADDRESS**

Northeast Sewage Pumping Station - Generator 1  
11001 East State Fair Avenue  
Detroit, MI 48234 USA

**Completed Date:** 12/1/2022  
**Payment Term:** NET 10 DAYS  
**Due Date:** 12/11/2022

| TASK                         | DESCRIPTION             | QTY  | PRICE    | TOTAL           |
|------------------------------|-------------------------|------|----------|-----------------|
| Comm Service Call            | Commercial Service Call | 1.00 | \$205.00 | \$205.00        |
| CAT/KATO A269500000 13669-05 |                         |      |          |                 |
| CLAB                         | Commercial Labor        | 0.50 | \$129.00 | \$64.50         |
| CAT/KATO A269500000 13669-05 |                         |      |          |                 |
| <b>SUB-TOTAL</b>             |                         |      |          | <b>\$269.50</b> |
| <b>TOTAL DUE</b>             |                         |      |          | <b>\$269.50</b> |
| <b>BALANCE DUE</b>           |                         |      |          | <b>\$269.50</b> |

Thank you for choosing PM Technologies

*TM-12-7-22*



Oakland County Water Resources Commissioner  
Attn: Sid Lockhard, P.E.  
One Public Works Drive  
Building 95-West  
Waterford 48328

December 14, 2022  
Invoice No: 03559.01 - 30

**84917 - 6010101 - 149015 - 731458- 6096- 1-3308 - ch21 - engcon - v#16918**  
**- exp. 5/29/23** *JL* *Ben* **1/13/2023**

Project 03559.01 Oakland-Macomb Interceptor Drainage 2020

**Professional Services from November 1, 2022 to November 30, 2022**

Task 1.0 Oakland-Macomb Interceptor Drainage 2020

**Professional Personnel**

|                    | <b>Hours</b> | <b>Rate</b> | <b>Amount</b> |                 |
|--------------------|--------------|-------------|---------------|-----------------|
| Zann, John         | 56.00        | 94.00       | 5,264.00      |                 |
| Totals             | 56.00        |             | 5,264.00      |                 |
| <b>Total Labor</b> |              |             |               | <b>5,264.00</b> |

**Additional Fees**

|                              |                      |  |                 |                 |
|------------------------------|----------------------|--|-----------------|-----------------|
| Overhead                     | 149.10 % of 5,264.00 |  | 7,848.62        |                 |
| Profit                       | 10.00 % of 13,112.62 |  | 1,311.26        |                 |
| <b>Total Additional Fees</b> |                      |  | <b>9,159.88</b> | <b>9,159.88</b> |

**Total this Task \$14,423.88**

**Billing Limits**

|                | <b>Current</b> | <b>Prior</b> | <b>To-Date</b> |
|----------------|----------------|--------------|----------------|
| Total Billings | 14,423.88      | 324,279.88   | 338,703.76     |
| Limit          |                |              | 450,000.00     |
| Remaining      |                |              | 111,296.24     |

**Total this Invoice \$14,423.88**

Please remit payment to PMA CONSULTANTS LLC, PO BOX 675234, DETROIT, MI 48267-5234. Please direct any questions regarding this invoice to Samantha Zeisler, Project Administrator, at 734-418-7897 or szeisler@pmaconsultants.com

## **Agenda Item No. 12**

Other Business

## **Agenda Item No. 13**

Adjourn