

AGENDA

Oakland-Macomb Interceptor Drain Drainage Board Macomb and Oakland Counties

November 9, 2022 – 11:30 a.m.

Office of the Macomb County Public Works Commissioner
21777 Dunham Road, Clinton Township, 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 November 9, 2022
3. Motion to approve the Drainage District Board Meeting Minutes from October 19, 2022
4. Public Comment
5. Application for Grant of Easement for ITC Holdings Corporation
6. NI-EA Contract No. 2 PCI-18 and PCI-19 Rehabilitation Budget
7. Motion to approve the following Construction Estimates:
 - a) Construction Estimate No. 13 for Walsh Construction for Construction of the Control Structure 9 Gate Installation in the amount of \$24,781.61 with a reserve payment to the contractor in the amount of \$122,530.96
 - b) Construction Estimate No. 25 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$479,432.56
 - c) Construction Estimate No. 20 for Marra Services for NI-EA Contract No. One for PCI 4 Rehabilitation in the amount of \$170,000.00
 - d) Construction Estimate No. 1 for Walsh Construction for Construction of the CS-9 Hatch Cover Damage Repair (Contract #5977) in the amount of \$324,642.47
 - e) Construction Estimate No. 2 for Walsh Construction for Construction of the CS-9 Hatch Cover Damage Repair (Contract #5977) in the amount of \$182,838.84
8. Status of OMID Repairs Project
9. Financial Reports – General Financial Report and Status of State Revolving Fund Financing and Other Financing

10. Motion to approve the following invoices:
- a) Reimbursement
 - 1) Labor/Fringes/Non-Direct Labor Factor
 - Segment 5 NI-EA Construction \$ 5,553.23
 - Segment 5 NESPS Mech./Elect. Construction \$ 11,075.48
 - 2) Equipment Charges
 - Segment 5 NI-EA Construction \$ 239.35
 - Segment 5 NESPS Mech./Elect. Construction \$ 467.88
 - b) ASI
 - Invoice No. 44-8266 O&M \$ 3,810.00
 - NESPS \$ 73,551.36
 - c) Clark Hill
 - 1) Invoice No. 1249610 O&M \$ 153.00
 - 2) Invoice No. 1249661 O&M \$ 5,508.00
 - 3) Invoice No. 1249662 NI-EA \$ 2,862.00
 - d) CSM
 - Invoice No. 21OMIDD012 O&M \$ 265.00
 - e) Dickinson Wright
 - Invoice No. 1740885 O&M \$ 2,112.70
 - f) Jacobs
 - Invoice No. C6A19900-04 O&M \$ 99,362.14
 - g) Kennedy Industries
 - Invoice No. 633442 O&M \$ 1,331.00
 - h) Kone
 - 1) Invoice No. 921473977 O&M \$ 1,638.17
 - 2) Invoice No. 1158371977 O&M \$ 895.12
 - i) Metco
 - Invoice No. 1811-46 O&M \$ 71,125.95
 - j) Motor City Electric Company
 - 1) Invoice No. 94741 O&M \$ 135.00
 - k) NTH Consultants, Ltd
 - 1) Engineering Design Services Rehabilitation of NI-EA Sections PCI-4
Invoice No. 631015 NI-EA \$ 3,386.03
 - 2) Contract No. 1 PCI-4
Invoice No. 631013 NI-EA \$ 58,249.05
 - 3) Consulting Services Regarding 2021 System Inspection
Invoice No. 631014 O&M \$ 9,506.87
 - 4) Additional NESPS Maintenance Eng. Services
Invoice No. 631004 O&M \$ 2,458.38
 - l) PM Technologies
 - 1) Invoice No. 67445630 O&M \$ 1,230.12
 - 2) Invoice No. 67453428 O&M \$ 1,230.12
 - m) PMA Consultants
 - Invoice No. 3559.01-28 NI-EA \$ 17,514.72
11. Other Business
12. Adjourn

Next Regular Meeting: December 14, 2022, 11:30 a.m., Eastern Standard Time.

Agenda Item No. 3

Board Meeting Minutes from October 19, 2022

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

October 19, 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 19th day of October 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; Candice Miller, Member and Macomb County Public Works Commissioner; Jim Nash, Secretary and Oakland County Water Resources Commissioner.

OTHERS PRESENT:

Representing the office of the Macomb County Public Works Commissioner: Brian Baker, Stephen Downing. Representing the office of the Oakland County Water Resources Commissioner: Anne Vaara, Steve Korth, Brian Coburn, Sid Lockhart, Joel Brown, Megan Koss, and Stephanie Lajdziak. Others in attendance: Chad Rogers, MDARD; John Michalski, ASI; Fritz Klingler, FK Engineering; Terry Moore, Metco; Shawn Phelps and Jeff Ragle, OC Fiscal Services; Larry Gilbert and Michelle Kitzinger, NTH Consultants; Joe Colaianne, Clark Hill

1. Call meeting to order.

Chairperson Gregg called the meeting to order at 11:31 a.m.

2. Agenda.

Motion by Nash, supported by Miller, to approve the October 19, 2022, agenda as presented.

ADOPTED: Yeas - 3
 Nays - 0

3. Minutes.

Motion by Miller, supported by Nash, to approve the minutes of the September 21, 2022, meeting.

ADOPTED: Yeas - 3
 Nays - 0

4. Public Comment.

None.

5. Cost Share Agreement with Great Lakes Water Authority

Joe Colaianne of Clark Hill presented a memorandum providing background on cost share negotiations for the rehabilitation project of the PCI-18 and PCI-19 sections for the NI-EA. Mr. Colaianne advised that Great Lakes Water Authority (GLWA) has interest in the project

becoming a permanent structure as it would have long term benefits to the sewer system. It was noted that making this a permanent structure would provide GLWA the ability to manage flows and undertake the operations and maintenance of the overall regional system. A meeting was conducted in September 2022 to finalize the details of the cost share agreement, which has the Drainage District responsible for 57% of the construction costs and 100% of the design costs. Discussion ensued regarding how the payment of invoices shall be coordinated and the construction outline of the project.

Motion by Miller, supported by Nash, to approve the proposed Cost Share Agreement in substantial form and substance, as presented by counsel, and authorize the Chairperson to execute the same on behalf of the Drainage District.

ADOPTED: Yeas - 3
Nays - 0

6. Plans and Specifications for OMID NI-EA Contract No.2 PCI-18 and PCI-19 Rehabilitation
Joel Brown presented the plans and specifications of the PCI-18 and PCI-19 rehabilitation project. He noted that the overall purpose of this project is to perform spot repairs and debris removal within the NI-EA. Mr. Brown, with the assistance of Mr. Klingler, gave detailed explanations of the various components of the project. It was advised that a PowerPoint presentation be prepared for a future meeting to highlight the essential workings of the systems.

Motion by Nash, supported by Miller to approve the plans and specifications for solicitation for bids as presented.

ADOPTED: Yeas - 3
Nays - 0

7. Revised Agreement Between Kone and OMIDDD for the Elevator Maintenance Services
Joel Brown presented the revised agreement with Kone that is a result of the extended contract approved at the Drainage District's July 2022 meeting. He advised that since the approval of the proposed change order, issues of indemnification coverage have arisen. After consulting with the Drainage District's insurance agent, Meadowbrook Insurance, it was advised that the insurance in place for the NESPS would provide coverage in the absence of Kone's insurance. Mr. Brown noted that although the change order language is still under review, it is essential to extend the contract at this time due to the required elevator maintenance.

Motion by Miller, supported by Nash, to authorize the completion of the revised change order with Kone with the option to limit Contractor indemnification to negligence and extend the DEC-Kone NESPS elevator maintenance service contractor by one year, to August 1, 2023, and to authorize the Secretary to sign the change order when complete.

ADOPTED: Yeas - 3
Nays - 0

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

- a) Walsh Construction Change Order No. 4 (Final) for the Control Structure No. 9 Gate Installation for a net decrease in the amount of \$26,426.85 and an increase in 498 calendar days for contract completion. Motion by Nash, supported by Miller, to approve the Change Order as presented.

ADOPTED: Yeas - 3
Nays - 0

- b) Walsh Construction Change Order No. 27 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$47,230.88. Motion by Miller, supported by Nash, to approve the Change Order as presented.

ADOPTED: Yeas - 3
Nays - 0

9. Construction Pay Estimates.

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

- a) Construction Estimate No. 24 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$344,871.82 with a transfer to the Oakland County Treasurer in the amount of \$13,736.34. Motion by Miller, supported by Nash, to approve the Construction Pay Estimate as presented.

ADOPTED: Yeas - 3
Nays - 0

- b) Construction Estimate No. 19 for Marra Services for NI-EA Contract No. One for PCI-4 Rehabilitation in the amount of \$47,130.00. Motion by Nash, supported by Miller, to approve the Construction Pay Estimate as presented.

ADOPTED: Yeas - 3
Nays - 0

10. 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 Miller, supported by Nash, to receive and file the report and summary.

ADOPTED: Yeas - 3
Nays - 0

11. Financial Reports.

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

ADOPTED: Yeas - 3
Nays - 0

12. Invoices.

The following invoices were submitted to the Board for approval:

a)	Reimbursement of Oakland County WRC-Incurred Expenses and Costs		
1)	Labor/Fringes/Non-Direct Labor Factor		
	• Segment 5 NI-EA Construction	\$	2,964.60
	• Segment 5 NESPS Mech./Elect. Construction	\$	8,468.41
2)	Equipment Charges		
	• Segment 5 NI-EA Construction	\$	141.26
	• Segment 5 NESPS Mech./Elect. Construction	\$	451.62
b)	ASI		
	Invoice No. 42-8222	O&M	\$ 2,448.00
		NESPS	\$ 84,070.19
c)	Clark Hill		
1)	Invoice No. 1238427	O&M	\$ 306.00
2)	Invoice No. 1238561	O&M	\$ 3,483.00
3)	Invoice No. 1238584	NI-EA	\$ 2,268.00
d)	CSM		
	Invoice No. 21OMIDD006	O&M	\$ 455.00
e)	Dickinson Wright		
1)	Invoice No. 1732227	O&M	\$ 4,068.50
2)	Invoice No. 1732229	O&M	\$ 276.50
f)	Hesco		
1)	Invoice No. 2213887	O&M	\$ 52,720.28
2)	Invoice No. 2213888	O&M	\$ 5,938.90
g)	Kennedy Industries		
1)	Invoice No. 632164	O&M	\$ 891.00
2)	Invoice No. 632852	O&M	\$ 341.00
3)	Invoice No. 632859	O&M	\$ 1,056.00
4)	Invoice No. 633230	O&M	\$ 775.50
h)	Meadowbrook Insurance		
	Invoice No. 10986	NESPS	\$ 51,255.00
i)	Metco		
	Invoice No. 1811-45	O&M	\$ 80,700.34
j)	Motor City Electric Company		
	Invoice No. 94693	O&M	\$ 151.59
k)	NTH Consultants, Ltd		
1)	Engineering Design Services Rehabilitation of NI-EA Sections PCI-4.		
	Invoice No. 630787	NI-EA	\$ 24,093.82
2)	Contract No. 1 PCI-4		
	Invoice No. 630771	NI-EA	\$ 70,531.44
3)	Eng./Consult. Services NESPS Upgrade		
	Invoice No. 630774	NESPS	\$ 2,236.42
4)	Additional NESPS Maintenance Eng. Services		
	Invoice No. 630775	O&M	\$ 820.10
l)	PM Technologies		
	Invoice No.168014	O&M	\$ 1,755.82
m)	PMA Consultants		
	Invoice No. 03559.01-27	NI-EA	\$ 19,575.27

Motion by Miller, supported by Nash, to approve the invoices as presented.

ADOPTED: Yeas - 3
Nays - 0

13. Other Business.

Joel Brown advised the Board that the site visit will be postponed until Spring 2023.

14. Adjourn.

Motion by Nash, supported by Miller, to adjourn the October 19, 2022, meeting at 1:48 p.m.

ADOPTED: Yeas - 3
Nays - 0

Next Regular Meeting: *Office of the Macomb County Public Works Commissioner, 21777 Dunham Road, Clinton Township, Michigan* and electronically at 11:30 a.m., Eastern Standard Time on November 9, 2022.

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 October 19, 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 19th day of October 2022.



Jim Nash, Secretary
Oakland-Macomb Interceptor Drain Drainage Board

Agenda Item No. 4

Public Comment

Agenda Item No. 5

Application for Grant of Easement

APPLICATION FOR GRANT OF EASEMENT

(Please Type or Print)

Please return your completed Application, fees and supporting documentation to:

ITC Holdings Corp
Attn: Fernando Guevara
27175 Energy Way
Novi, MI 48377

PROSPECTIVE GRANTEE(S): (as it would appear on the easement) Person(s) or Party(ies)

NAME: **Oakland-Macomb Interceptor Drain Drainage District**

MARITAL STATUS: N/A

COMPLETE ADDRESS: **One Public Works Drive, Building 95 West
(c/o Oakland County Water Resources Commissioner)
Waterford, MI 48328- 1907**

TELEPHONE: **(248) 452-8681**

FAX: (248) 858-1066

E-MAIL ADDRESS: **brownjt@oakgov.com**

If applicable, check and complete one of the following:

Prospective Grantee(s) is/are:

•a (name of state) corporation: **Oakland-Macomb Interceptor Drain Drainage District,
A Michigan Statutory Corporation**

a (name of state) limited liability company N/A

a (name of state) general partnership N/A

a (name of state) limited partnership N/A

other N/A

Also provide us the name of the applicant's representative (i.e, engineer, surveyor, realtor, etc,) if different than above.

NAME: **Joel T. Brown, P.E.**

TITLE: **Assistant Chief Engineer**

Oakland County Water Resources Commissioner

SIGNATURE:  _____

TELEPHONE: **(248) 452-8681**

CELL PHONE: **(248) 410-4908**

FAX: (248) 858-1066

E-MAIL ADDRESS: **brownjt@oakgov.com**

PURPOSE OF EASEMENT

Please provide the following information on the form below or on an attachment:

- a statement explaining what exactly the easement is for including specifics (i.e., provide detail such as size/depth of pipe, gravel or bituminous driveway, etc.). See Page 3 for "Detail To Be Included On Written Description of Application;"
 - if this easement is part of a larger project, provide a statement explaining the project and a drawing showing the general view of the whole project (i.e., sanitary sewer for a proposed residential development, gas transmission line, etc.); and
 - a statement that there are no alternative routes other than the easement being requested from
- If other routes are available, provide a good explanation as to why they can't be utilized.

Refer to Separate Attachments for a detailed description of the "Purpose of the Easement" and additionally Plan Sheets Nos. G.001, G.002, C.001, C.002, C.003, C.004, C.005, and C.006 as Prepared by NTH Consultants, Ltd. and Anderson, Eckstein, and Westrick, Inc.

The applicant and/or prospective grantee(s) understands that they are not obtaining an option, or right of first refusal, or any other interest in the easement in question by virtue of this application or the enclosed payment, and understands that ITC Holdings Corp may 1) refuse to grant the easement, 2) grant the easement subject to any conditions, restrictions or reservations it deems necessary or desirable, 3) convey the property or easement rights in the property to any person(s) whomever.

Date: _____

Name(s) of Prospective Grantee(s)

Refer to the Following Page for Signature

Signature

OR

If this easement will be granted to a Corporation/
Company/Partnership/Governmental Entity. etc.
**Oakland-Macomb Interceptor Drain Drainage District,
A Michigan Statutory Corporation**

Date: _____

Michael R. Gregg, Chairperson,
Oakland-Macomb Interceptor Drain
Drainage Board

DETAIL TO BE INCLUDED ON WRITTEN DESCRIPTION OF APPLICATION

Detail of Proposed Use (only request minimum area needed for permanent easement - see #6 below for Temporary Construction Space*)

Note: Width and length should be provided for each easement

1. Drive/Road/Path

- Public or private
- Width of drive/road/path (provide drawing(s) from the township/city/county which show requirements)
 - Are there sidewalk requirements?
- Location of facility within the proposed easement
- Made of what material (i.e., gravel, bituminous, etc.)
- Are underground utilities needed
 - a. Be specific as to which ones (i.e., gas, electric, cable, telephone, etc.)
 - b. Is it to be buried in conduit (i.e., steel, PVC, etc.)
 - c. Diameter and depth of conduit
 - d. Location of utilities within the proposed easement
- Street Lighting
 - a. Provide drawing that indicates detail (include the specifics for height/depth)

2. Watermain/Sewer

- Pipe size and what material it is made of (i.e., steel, PVC, etc.)
- Depth of pipe
- Location of facility within the proposed easement
- Manholes (if possible, avoid placing these on CE's fee)

3. Fence

- Dimensions (include height)
- Is it gated and locked
- Made of what material (i.e., galvanized, steel, etc.)

4. Provide Grading Explanation

5. Provide details of old rights (abandonment of roadway, sewer, water main, etc.)

6. *If Temporary Construction Area and/or Work Space is needed, have the surveyor provide a separate description on the survey and show this area on the drawing.

OAKLAND MACOMB INTERCEPTOR DRAIN, DRAINAGE DISTRICT

(Prospective Grantee)

Application for Grant of Easement

Submitted to

ITC HOLDINGS CORPORATION

Attn: Fernando Guevara

27175 Energy Way

Novi, MI 48377

‘PURPOSE OF PROPOSED EASEMENT’

October 28, 2022

The Oakland Macomb Interceptor Drain Drainage District (OMID DD) provides wastewater conveyance service to over 800,000 residents in Oakland and Macomb counties. The sole means for this conveyance is the existing OMID Corridor Interceptor that flows through the ITC Corridor from approximately 15 Mile Rd. in Sterling Heights to its eventual southerly termination at the Northeast Sewage Pumping Station (NESPS) on State Fair Avenue in Detroit. The NESPS then lifts the wastewater to a higher elevation and provides for gravity flow to the Great Lakes Water Authority Water Resource Recovery Facility in southwest Detroit for treatment and discharge to the Detroit River. While the NESPS is constructed with redundant power supply and pumping capacity and is also undergoing a major mechanical and electrical upgrades renovation, a concern exists that in the event of a major mechanical or system-wide electrical failure, wastewater pumping operations would be interrupted. This would impose a major public health crisis on the affected communities.

Although considered to be an extremely unlikely occurrence and one without precedence, the OMID DD has developed proposed plans for the construction of a shallow direct bury bypass pumping system that would allow under an extreme emergency basis, a series of discharge lines that could for a limited time collect flow from the deeper Interceptor and jointly direct it to the adjacent Red Run Drain, thus preventing flooded basements to multiple thousands of community residents. It is emphasized that this extreme action would occur only under extreme conditions and would cease as soon as the NESPS returns to service.

An experimental trial mobilization of this plan was organized earlier this year as a “dry run” operation where the pumping equipment was mobilized, bypass pumping lines were installed

above ground on the Corridor surface, and the system made ready for bypass service. Intentionally, however, no wastewater pumping, or discharge events were actually performed. Upon completion of the test setup, the equipment was demobilized off site. An important realization that arose from this activity was the actual time required to establish the bypass piping system itself. In a real emergency event, the time required to establish pumping lines was significantly more than time needed to prevent flooded resident basements. This understanding has resulted in a recognized need to have the bypass lines already in place, albeit in a dormant condition, ready for rapid equipment hookup should an emergency event occur.

The specific purpose of the additional easement(s) requested by the prospective Grantee is to construct a series of shallow direct bury pipelines now recognized as necessary by the test program. These lines would be permanently installed as a below ground system with surface connections located at specific manholes. The proposed pumping lines are to be constructed of 24 in. diameter "High Density Polyethylene, Ductile Iron Specification, DR-11 (24" HDPE DIPS DR-11) material. HDPE pipelines feature fusion welded joints and a heavy-duty wall thickness (2.345 in. wall for 24 in dia. DR-11 pipe) that provide an extremely durable, long lasting, corrosion resistant and leak proof inert installation.

The proposed pipeline is designed with a min. 3 ft. of cover, a select 6A limestone aggregate bedding up to the spring-line of the pipe, and final backfill using select excavated native material. The existing natural topography of the ITC Corridor will be maintained, with no changes in elevation or existing drainage patterns contemplated. Pump connection points at select existing manholes will primarily also match existing Corridor grades, and no interference will occur with existing Corridor roads or "access-pathways". As the pipelines will exist presumably in a long-term dormant condition, both the pump connection points, and the discharge points will be tightly sealed with blind flanges to prevent errant entry by curious trespassers or wildlife. Lastly, all areas disturbed by construction will be restored to equal or improved conditions, with care taken to institute Soil Erosion/ Sedimentation Control measures both during and following active construction.

Based on the description of the proposed bypass line and its intended function, it is obvious that there exist no alternative routes as the bypass lines connect to existing large diameter deep interceptor sewer that exists in the ITC Corridor within existing easements. The proposed bypass lines are designed within existing easements where possible and require new easements only as necessary to reach the points of discharge. When practical, the new easements are located to adjoin existing OMID easements, and where necessary, to parallel existing ITC or other easement boundaries owned by various public entities. The intent is to engage a minimal, efficient use of property. When complete, the proposed short-term project will impose no additional surface restrictions, material change in appearance or use, or impact on the environment from that already in existence within the ITC Corridor.

EASEMENT

Parcel No. 1

**Project: OMID PCI-7 Emergency
Bypass Pumping Program**

KNOW ALL MEN BY THESE PRESENTS, that **INTERNATIONAL TRANSMISSION COMPANY**, a Michigan corporation, **GRANTOR**, whose address is 27175 Energy Way, Novi, MI 48377-3639, for and in consideration of the sum of **ONE THOUSAND FIVE HUNDRED SEVENTY DOLLARS AND FIFTY-NINE CENTS (\$1,570.59)**, receipt of which is hereby acknowledged, paid to them by the **OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (“OMID”)** (“Drainage District”), a Michigan Statutory Corporation, acting through the Drainage Board for the **OAKLAND-MACOMB INTERCEPTOR DRAIN (“Drain”)** pursuant to Act No. 40 of the Public Acts of 1956 (“Drain Code”), as amended, **GRANTEE**, whose address is the Office of the Oakland County Water Resources Commissioner (“WRC”), One Public Works Drive, Waterford, Michigan 48328-1907, does hereby grant to the said **GRANTEE** the right to construct, operate, maintain, repair or replace a sanitary sewer system, in accordance with the terms and conditions set forth herein:

RECITALS:

A. The **GRANTOR** is the owner of certain real property described as follows (the “Premises”):

Land situated in the City of Sterling Heights, County of Macomb, State of Michigan described as follows: Commencing at the North 1/4 corner of Section 35, T. 02 North, R. 12 East, thence North 89° 45' 00" East, 350.00 ft. along the North section line; thence South 00° 07' 30" West 1291.80 ft.; thence South 89°15' 00" West, 20.00 ft.; thence South 00° 06' 00" West, 642.90 ft.; thence North 89° 26' 30" East, 138.50 ft. to the centerline of Red

Run Drain; thence Southerly along said centerline to the East-West 1/4 line ; thence South 165.30 ft; thence South 89° 26' 30" West, 47.50 ft.; thence South 00° 12' 30" West, 165.50 ft.; thence North 89° 26' 30" West 1.50 ft.; thence South 00° 12' 30" West, 165.70 ft.; thence North 89° 26' 30" East, 0.97 ft.; thence South 00° 12' 30" West, 165.90 ft.; thence North 89° 26' 30" East, 169.07 ft.; thence South 00° 12' 30" West 161.50 ft.; thence South 89° 26' 30" West, 243.0 ft.; thence South 00° 12' 30" West, 284.13 ft.; thence North 89° 26' 30" East, 41.20 ft.; thence South 00° 12' 30" West, 318.50 ft.; thence South 89° 38' 30" West, 0.60 ft.; thence South 00° 12' 30" West, 1211.60 ft.; thence South 89° 32' 00" West, 341.20 ft. along South Section line to the South 1/4 post of Section 35; thence North 00° 19' 00" West, 1210.40 ft.; thence North 65° 22' 23" West, 271.98 ft.; thence North 08° 48' 00" West, 266.70 ft.; thence North 06° 23' 00" East, 57.10 ft.; thence North 34° 14' 30" East, 107.10 ft.; thence North 44° 42' 00" East, 147.60 ft.; thence North 42° 44' 00" East, 160.0 ft.; thence North 00° 19' 30" West 710.45 ft. to the Center of Section 35; thence North 00° 06' 00" East, 1140.86 ft.; thence North 00° 06' 25" West, 1455.60 ft. to the point of beginning.

Sidwell No. 10-35-201-005

and,

B. The GRANTEE desires to acquire from the GRANTOR certain rights to the Premises in order to construct, operate, maintain, repair, or replace the sanitary sewer system.

IT IS THEREFORE AGREED:

1. **Grant of Temporary Easement.** Grantor hereby grants to Grantee temporary easements for the construction of the sanitary sewer system, described as follows, and which shall terminate upon completion of construction of the system:

TEMPORARY EASEMENT "A" DESCRIBED AS FOLLOWS:

A strip of land 10.00 feet wide parallel to and adjoining the South and North edge of the below-described **Permanent Easement "A"**, extending Easterly to the Westerly edge of an existing 35.00 ft. wide Sanitary Sewer Easement as recorded in Liber 2090, Page 811 Macomb County Records.

TEMPORARY EASEMENT "B" DESCRIBED AS FOLLOWS:

A strip of land 10.00 feet wide parallel to and adjoining the South and North edge of the below-described **Permanent Easement "B"**, extending Easterly to the edge of said Permanent Easement extended Northeasterly and Southwesterly.

TEMPORARY EASEMENT "C" DESCRIBED AS FOLLOWS:

A strip of land 10.00 feet wide parallel to and adjoining the South and North edge of the below-described **Permanent Easement "C"**, excepting therefrom the existing 20.00 ft. wide Sanitary Sewer Easement as recorded L 4453 P 828 Macomb County Records.

2. **Grant of Permanent Easement.** Grantor hereby grants to Grantee perpetual easements described as follows:

PERMANENT EASEMENT "A" DESCRIBED AS FOLLOWS:

Beginning at a point on the North and South 1/4 line of Section 35, said point located distant North 00° 19' 00" West, 1223.74 ft. from the South 1/4 corner of said Section 35; thence from said **POINT OF BEGINNING** N 65° 22' 23" W, 120.19 ft.; thence N 24° 37' 37" E, 20.00 ft.; thence , S65° 22' 23"E, 164.81' ft. to the Westerly edge of an existing 35.00 ft. wide Sanitary Sewer Easement as recorded in Liber 2090, Page 811 Macomb County Records; thence S 03° 24' 48" E, 22.66 ft. along said Westerly edge; thence N 65° 22' 23" W, 55.27 ft. to the point of beginning.

PERMANENT EASEMENT "B" DESCRIBED AS FOLLOWS:

Beginning at a point located distant the following four (4) courses S 00° 06' 25" E, 1455.06 ft. and S 00° 06' 00" W, 1140.86 ft. and S 00° 19' 30" E, 171.82 ft. and N 89° 35' 39" E, 72.50 ft. from the North 1/4 corner of Section 35, T. 02 North, R. 12 East; thence from said **POINT OF BEGINNING** continuing N 89° 35' 39" E, 294.03 ft.; thence S 17° 39' 46" W, 21.04 ft.; thence S 89° 35' 39" W, 287.54 ft.; thence N 00° 19' 30" E, 20.00 ft. to the point of beginning.

PERMANENT EASEMENT "C" DESCRIBED AS FOLLOWS:

Beginning at a point located distant the following two (2) courses S 00° 06' 25" E, 1305.29 ft. and N 89° 03' 47" E, 72.50 ft. from the North 1/4 corner of Section 35, T. 02 North, R. 12 East; thence from said **POINT OF BEGINNING** continuing N 89° 03' 47" E, 257.50 ft. to the East parcel line; thence S 00° 06' 25" W, 20.00 ft. along said East line; thence S 89° 03' 47" W, 257.50 ft.; thence N 00° 06' 25" W, 20.00 ft to the point of beginning, excepting therefrom the existing 20.00 ft. wide Sanitary Sewer Easement as recorded L 4453 P 828 Macomb County Records.

3. **Purpose of the Easements.** The temporary easements granted herein shall be used only for the initial construction of the system in accordance with the plans and specifications approved by the GRANTEE. The temporary easements may be used to move men and equipment and to store materials and equipment. The permanent easements granted here in shall be used for the purpose of the operation, maintenance,

repair, or replacement of the system constructed in accordance with the plans and specifications approved by the GRANTEE.

4. **General Conditions.**

a. GRANTOR agrees not to build or convey to others permission to build any permanent structures on the above-described permanent easements. Permanent structures include but are not limited to, fixtures, structures with footings, culverts, dams, bridges, and structures of a similar nature.

b. Except as otherwise agreed in writing between the GRANTOR and GRANTEE, GRANTEE will preserve and protect all trees and shrubbery within the temporary easements during the initial construction of the system and may remove all trees and shrubbery within the permanent easements and shall not be required to replace trees and shrubbery that are removed.

c. Except as otherwise provided herein, if the Premises shall be disturbed by reason of the exercise of any of the foregoing powers, then the Premises shall be restored to substantially the condition that existed prior to entering upon said Premises by the GRANTEE, its contractors, agents, or assigns.

d. Also granted herein, is the right of ingress and egress for the GRANTEE to enter upon, access and use any and all presently existing or future driveways or related vehicular access areas of the premises for operation, maintenance and repair of the sanitary sewer system located upon the subject property.

e. GRANTOR retains, reserves, and shall continue to enjoy the use of the permanent easements for any and all purposes which do not interfere with, obstruct the use of or prevent the use by GRANTEE. Any unauthorized use or obstruction may be removed by GRANTEE.

f. It is understood that the easements, rights, and privileges granted herein are nonexclusive, and GRANTOR reserves and retains the right to convey similar easements and rights to such other persons as GRANTOR may deem proper provided such similar easements do not affect GRANTEE'S Easement.

g. This Easement shall be binding upon and inure to the benefit of the Parties hereto, their heirs, representatives, successors, and assigns. If the GRANTOR or any of GRANTOR'S heirs, representatives, successors, or assigns shall dedicate all or any part of the Premises affected by this Easement, then prior to such dedication, GRANTOR or GRANTOR'S heirs, representatives, successors, and assigns shall submit such dedication for review and approval from the GRANTEE, its heirs, successors, or assigns.

h. A map of the above-described Easement is attached hereto and made a part thereof.

i. This instrument contains the entire agreement between the Parties relating to the rights herein granted and the obligations herein assumed. Any oral representations or modifications concerning this instrument shall be of no force and effect. Any modification of this Easement must be in writing and must be signed by the party to be changed.

j. This Easement is made and entered into in the State of Michigan and shall in all respects be interpreted, enforced, and governed under the laws of the State of Michigan. The language of all parts of this Easement is intended to and, in all cases, shall be construed as a whole according to its fair meaning, and not construed strictly for or against any party.

k. It is further understood and agreed between the Parties that the terms and conditions herein are contractual and are not a mere recital and that there are no other agreements, understandings, contracts, or representations between GRANTOR and GRANTEE in any way related to the subject matter hereof, except as expressly stated herein.

l. If any provision of this Easement or its application to any person or circumstance shall to any extent be invalid or unenforceable, the remainder of this Easement shall not be affected and shall remain valid and enforceable to the fullest extent permitted by law.

m. It is understood and agreed between the Parties that a failure by either Party to fulfill a condition or term set forth in this Easement shall not result in the

extinguishment of the easement rights granted herein or constitute a waiver of such term or condition.

(Remainder of this page intentionally left blank)

IN WITNESS WHEREOF, the GRANTOR has hereunto affixed their signatures this _____ day of _____, 2022.

GRANTOR:

INTERNATIONAL TRANSMISSION COMPANY, a Michigan corporation

_____ (L.S.)
By: Christine Mason Soneral
Its: Secretary and Director

ACKNOWLEDGEMENT

STATE OF MICHIGAN)
)SS:
COUNTY OF OAKLAND)

On this _____ day of _____, 2022, before me, a Notary Public in and for said County, personally appeared **Christine Mason Soneral**, to me personally known, who being by me duly sworn did say that she is the Secretary and Director of International Transmission Company, a Michigan corporation, a corporation created and existing under the laws of the State of Michigan, and that said instrument was signed on behalf of said corporation by authority of its Board of Directors, and the said Secretary and Director acknowledged said instrument to be the free act and deed of said corporation.

,Notary Public

County, _____

My Commission Expires: _____

This instrument drafted by:
Jeffrey S. Parrott, Office of the
Oakland County Water Resources Commissioner
Building 95 West
One Public Works Drive
Waterford, Michigan 48328-1907

JSP/tjr

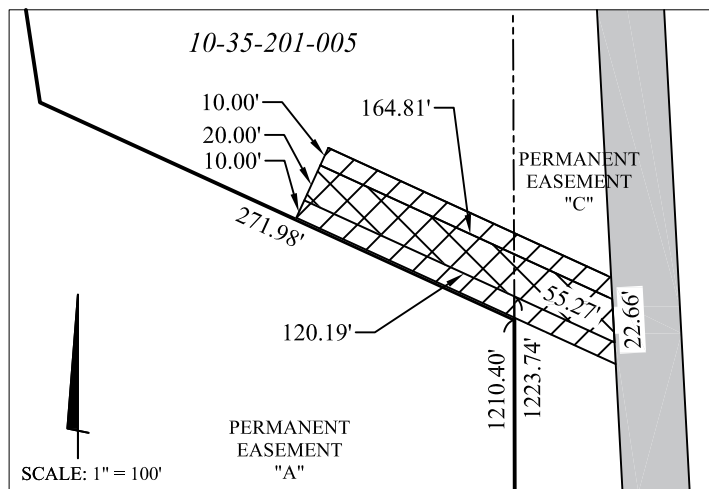
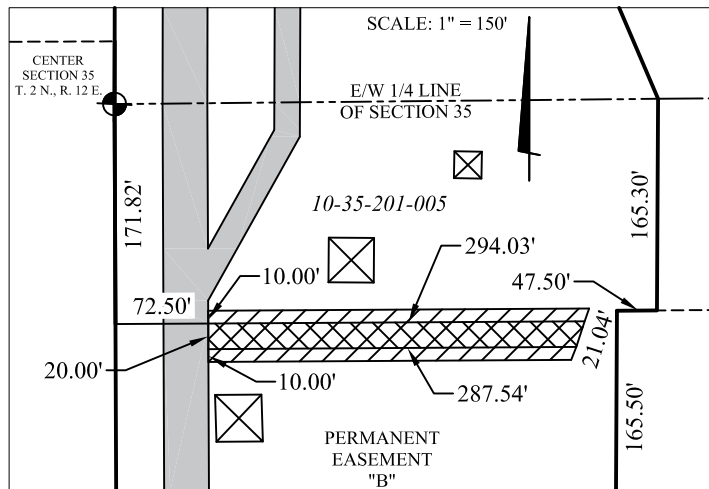
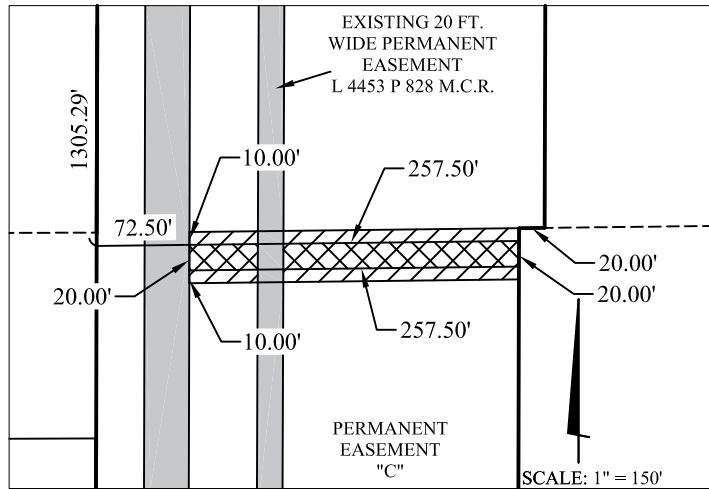
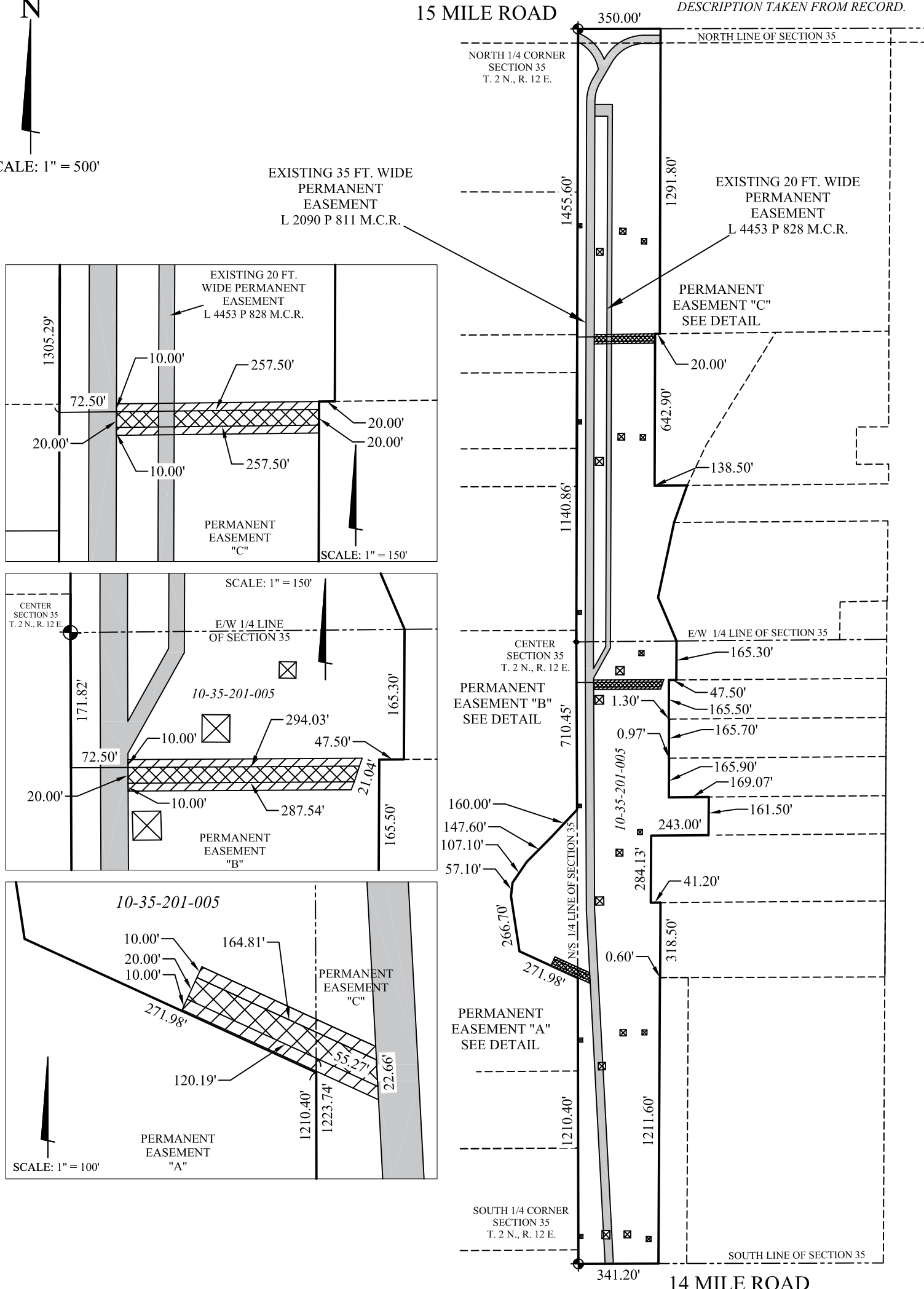
EASEMENT SKETCH

NOTE: NO FIELD WORK PERFORMED
DESCRIPTION TAKEN FROM RECORD.



SCALE: 1" = 500'

15 MILE ROAD



PROJECT: OAKLAND MACOMB INTERCEPTOR DRAIN PCI-7 EMERGENCY BYPASS PUMPING PROGRAM 10/17/2022

PERMANENT EASEMENT EASEMENT PARCEL NO. 1 DWG. 1 OF 4

TEMPORARY EASEMENT SIDWELL NO. 10-35-201-005

Part of Section 35, T 02 N, R 12 E., City of Sterling Heights, Macomb County, Michigan

EASEMENT SKETCH

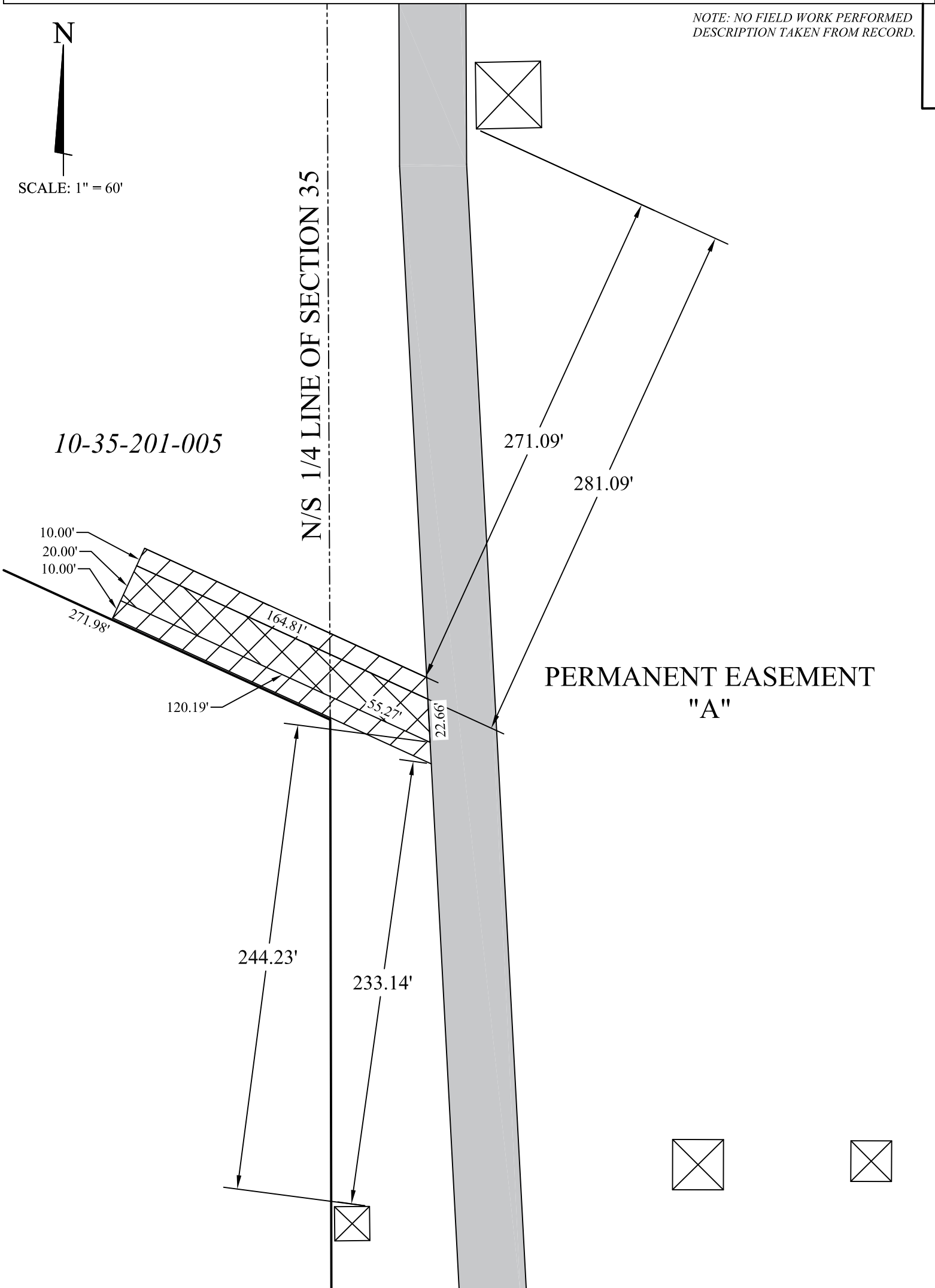
NOTE: NO FIELD WORK PERFORMED
DESCRIPTION TAKEN FROM RECORD.



SCALE: 1" = 60'

10-35-201-005

N/S 1/4 LINE OF SECTION 35



PERMANENT EASEMENT
"A"

PROJECT: OAKLAND MACOMB INTERCEPTOR DRAIN PCI-7 EMERGENCY BYPASS PUMPING PROGRAM 10/17/2022

PERMANENT EASEMENT  EASEMENT PARCEL NO. 1 DWG. 2 OF 4

TEMPORARY EASEMENT  SIDWELL NO. 10-35-201-005

Part of Section 35, T 02 N, R 12 E., City of Sterling Heights, Macomb County, Michigan

EASEMENT SKETCH

NOTE: NO FIELD WORK PERFORMED
DESCRIPTION TAKEN FROM RECORD.

N

SCALE: 1" = 60'

CENTER
SECTION 35
T. 2 N., R. 12 E.

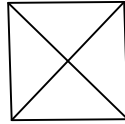
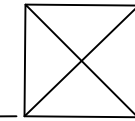
E/W 1/4 LINE OF SECTION 35

10-35-201-005



21.69'

31.17'



25.74'

35.74'

PERMANENT EASEMENT
"B"

710.45'

165.50'

1.30'

165.70'

0.97'

PROJECT: OAKLAND MACOMB INTERCEPTOR DRAIN PCI-7 EMERGENCY BYPASS PUMPING PROGRAM 10/17/2022

PERMANENT EASEMENT  EASEMENT PARCEL NO. 1 DWG. 3 OF 4

TEMPORARY EASEMENT  SIDWELL NO. 10-35-201-005

Part of Section 35, T 02 N, R 12 E., City of Sterling Heights, Macomb County, Michigan

EASEMENT SKETCH

N



SCALE: 1" = 80'

NOTE: NO FIELD WORK PERFORMED
DESCRIPTION TAKEN FROM RECORD.



EXISTING 35 FT. WIDE
PERMANENT EASEMENT
L 2090 P 811 M.C.R.

335.21'

345.21'

10-35-201-005

10.00'

257.50'

20.00'

257.50'

10.00'

PERMANENT
EASEMENT
"C"

N/S 1/4 LINE OF SECTION 35

379.85'

390.32'

642.90'



PROJECT: OAKLAND MACOMB INTERCEPTOR DRAIN PCI-7 EMERGENCY BYPASS PUMPING PROGRAM 10/17/2022

PERMANENT EASEMENT  EASEMENT PARCEL NO. 1 DWG. 4 OF 4

TEMPORARY EASEMENT  SIDWELL NO. 10-35-201-005

Part of Section 35, T 02 N, R 12 E., City of Sterling Heights, Macomb County, Michigan

Agenda Item No. 6

NI-EA Contract No. 2 PCI-18 and PCI-19
Rehabilitation Budget

**OMID NI-EA Contract No.2 PCI-18 and PCI-19 Rehabilitation
Oakland-Macomb Interceptor Drain Drainage District
28-Oct-22**

	Total Cost
1) Construction (FAC)	
Project Construction Cost (Est)	\$ 11,883,333
Sub-Total	\$ 11,883,000
2) Project Development: Engineering Consulting (ENG CON)	
NTH Consultants Investigation & Design	
PMA Scheduling	\$ 200,000
NTH Consultants CCA (Assume 10% Construction Costs)	\$ 1,188,333
Sub-Total	\$ 1,388,000
3) Project Financing & Legal (LEGAL)	
Project Insurance	\$ 350,000
Bond Issuance (Legal)	\$ 44,000
Bond Issuance (Financial Consultant)	\$ 38,000
Bond Ratings	\$ 25,000
Legal Fees	\$ 20,000
Sub-Total	\$ 477,000
3) Right-of-Way Services (ROW)	
Legal & Easement Fees	\$ -
Permits	\$ 25,000
County Personnel Time	\$ 22,360
Sub-Total	\$ 47,000
4) Exclusive County Services:	
Administration (ADM)	\$ 38,009
Public Works (Macomb)	\$ 38,726
Engineering-OCWRC (ENG)	\$ 325,416
Construction Inspection (INS)	\$ 241,191
Surveying (SUR)	\$ 19,974
Startup and Training/Corrections-MCPW/OCWRC (STD)	\$ -
O&M/Equipment-MCPW (STD)	\$ 18,553
O&M/Equipment-OCWRC (STD)	\$ 18,553
Sub-Total	\$ 700,000
5) Subtotal:	\$ 14,495,000
6) Contingency (10%)	\$ 1,450,000
Final Project Cost	\$ 15,945,000

7) CVT Shares/Allocation: Bonded

I hereby certify the period of usefulness of these facilities to be thirty (30) years and upwards.

By: _____
Joel Brown, P.E.
Project Engineer

Agenda Item No. 7

Construction Estimates

OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD
For Construction of the Control Structure 9 Gate Installation
Located in the City of Warren, Macomb County, Michigan
Project ID 1-3308

Application No. 13 (3/1/21 to 10/31/22 (Substantial Completion)

Department No.:	6010101	Account No.:	730352
Fund No.:	84917	Program No.:	149015
Project No.:	514263	Activity:	FAC

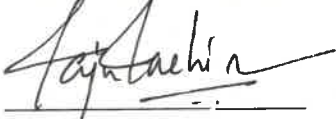
Construction Manager at Risk, Walsh Construction Co. 3031 West Grand Boulevard, Suite 640 Detroit, MI 48202	Vendor # 23191	LI 43331; exp. 12/16/22	Date of Contract: Dec. 16, 2019
	Contract No. 5977	Final Completion Date:	July 28, 2023

Original Construction Contract Amount: (CS-9 Gate Gate Installation)	\$3,251,117.72
Previous Change Orders: C.O. # 9-1, 9-2, #2, #3, and 11-7 (Including CO-11, Item 7 ; \$4,717.51)	\$58,382.78
Change Orders This Estimate: #4	(\$26,426.65)
Total Net Change Orders:	\$319,565.13
Adjusted Contract Amount:	\$3,283,073.85
<hr/>	
Sub-Total To Date: (CS-9 Charges only are included on this Estimate)	\$3,283,073.85
Less Deductions:	None
Gross Estimate: (Work in Place) Substantial Completion	\$3,283,073.85
Less Amount Reserved: L.S. Value, with partial subcon. Reductions- See Schedule)	\$122,530.96
Total Amount Allowed To Date:	\$3,160,542.89
Less Previous Estimates: Paid under CS-9, App # 12	\$3,135,761.29
Net Pay Request To Be Paid To Contractor:	\$24,781.60
Reserve Payment to Contractor:	\$122,530.96

Balance to finish: -0-	Accounting Auditor:
Reserve Payment	
Less Previous Transfers To Reserve:	\$122,530.96
Amount of Current Transfer: Full Retention Release	\$122,530.96

(Closeout Documents included with NESPS Pump & Elec. Upgrades Project)

Prepared by:  Date: 11-01-2022
 Lawrence T. Gilbert, P.E.; NTH Consultants Ltd.

Recommended by:  Date: 11/1/2022
 Saju Sachidanandan, P. E.

Recommended by:  Date: 11/3/2022
 Joel Brown, P.E. Oakland County WRC

Recommended by:  Date: 11/3/2022
 Stephen Downing; Macomb County OPWC

Approved for Payment by:  Date: 11/7/2022
 Sid Lockhart, P.E.; Special Projects Manager, Oakland County WRC

Regular Construction Estimate No. 13; CS-9 (3-1-22 to 10-31-22) Approved By Board On: _____

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-Five
Page One of Two

October 01, 2022 through October 31, 2022

Department No.:	6010101	Account No.:	731472
Fund No.:	84917	Program No.:	149015
Project No.:	1-3309	Activity:	FAC

Construction Manager at Risk: 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, not including CS-9 and Pre-Const. Balance	\$44,107,745.18
Expended Pre-Construction Phase Amount	(\$1,174,363.30)
<i>Unused Pre-Construction Phase Budget</i>	(\$70,196.70)
<i>CS-9 Budget from GMP</i>	(\$3,251,117.72)
NESPS Pump & Elec. Upgrades Original Contract Budget	\$39,612,067.46
Change Orders, This Estimate: C.O. No. 27	\$47,230.88
Previous C.O.s: (C.O.# 7, 8, 9, 10, 11,12, 13, 14, 15, 16, 17, 18, 19, 29, 21, 22, 23,24, 25,and 26)	\$3,714,948.96
Unused Pre-Construction Phase Budget	\$70,196.70
<u>Adjusted Construction Contract Amount: (Inc. CO # 11-7 Item)</u>	<u>\$44,047,066.18</u>
Sub-Total To Date: (CS-9 Costs are Not included on this Estimate)	\$29,564,777.61
Less Deductions:	None
Gross Estimate: (Work in Place) Value Complete = 67 %	\$29,564,777.61
Less Amount Reserved (S/V Retain. @ CV x 50% x 10%)	\$2,366,742.87
Total Amount Allowed To Date:	\$27,198,034.74
Less Previous Estimates:	\$26,718,602.18
Current Payment Due	\$479,432.56
Reserve Pay to Contractor:	\$0.00
Balance to Finish: \$14,482,288.57	Accounting Auditor: Z
<u>Amount To Be Reserved (10% of 1/2 S.V., less CS-9 retention)</u>	<u>\$2,366,742.87</u>
Less Previous Transfers To Reserve (N/I CS-9 Contract Retention)	\$2,366,742.87
<u>Amount of Current Transfer</u>	<u>\$0.00</u>

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-Five
Page Two of Two

10/01/ 2022 through 10/31/ 2022

Prepared by: 

Date: 11-01-2022

Lawrence T. Gilbert, P.E.; NTH Consultants Ltd.

Recommended by: 

Date: 11/2/2022

John Michalski, P.E., ASI

Recommended by: 

Date: 11/3/2022

Joel Brown, P.E. Oakland County WRC

Recommended by: 

Date: 11/3/2022

Stephen Downing; Macomb County OPWC

Approved for Payment by: 

Date: 11/7/2022

Sid Lockhart, P.E.; Special Projects Manager, Oakland County WRC

Regular Construction Estimate No. 25 (October, 2022)

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. 20

Period: 10/01/22 through 10/31/22

Department No.: 6010101
Fund No.: 84917
Project No.: 100000003308


Account No.: 731472
Program No.: 149015
Activity: FAC

Contractor:
Marra Services, Inc.
700 E. 73 rd. Street
Cleveland, OH 44103

Vendor # 29656 Contract # 6323
LI # 44838 exp. 1/20/23

Date of Contract: January 21, 2021
Final Completion Date: September 9, 2022
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: None	\$0.00
Total Net Change Orders:	\$1,030,475.29
<u>Adjusted Contract Amount:</u>	<u>\$15,762,985.29</u>
Sub-Total To Date	\$10,471,102.49
Less Deductions: None	\$0.00
Gross Estimate, Work in Place (66.43% Complete)	\$10,471,102.49
Less Amount Reserved (Max. at 10% of 50% of adjusted C.V.)	\$788,149.26
Total Amount Allowed To Date:	\$9,682,953.23
Less Previous Estimates	\$9,512,953.23
Net Payment Request To Be Paid To Contractor:	\$170,000.00
Reserve Payment to Contractor:	\$0.00
<u>Balance to Finish: \$5,291,882.80</u>	<u>Accounting Auditor:</u>
Amount to be Reserved from Above	\$788,149.26
Less Previous Transfers To Reserve:	\$788,149.26
<u>Amount of Current Transfer</u>	<u>\$0.00</u>

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

Date: 10-27-2022

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

Date: 11/1/2022

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

Date: 11/6/2022

Recommended by: 
Stephen Downing; Macomb County OPWC

Date: 11/3/2022

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

Date: 11/7/2022

OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD
For Construction of the CS-9 Hatch Cover Damage Repair (Contract # 5977)
Located in the City of Warren, Macomb County, Michigan
Project 61R2210004

Regular Construction Estimate No. One (B.R. Insurance Repairs)

Period: Inception through 9-30-22

Department No.:	6010101	Account No.:	730373
Fund No.:	63900	Program No.:	149800
Project No.:	61R2210004	Activity:	STD

Contractor:	Walsh Construction Co. II, LLC	Vendor # 23191	Date of Contract:	July 10, 2022
	3031 West Grand Blvd., Suite 640	LI # 43331 exp. 12/16/22	Final Completion Date:	TBD
	Detroit, MI 48202		Adj. Final Completion:	TBD

Original Construction Contract Amount (Per OMID DD Change Order No. One- Insurance Repairs)	\$507,481.00
Previous Change Orders: None	\$0.00
New Change Orders This Estimate: None	\$0.00
Total Net Change Orders:	\$0.00
<u>Adjusted Contract Amount:</u>	<u>\$507,481.00</u>
Sub-Total To Date	\$324,642.67
Less Deductions: None	\$0.00
Gross Estimate, Work in Place (64 % Complete)	\$324,642.47
Less Amount Reserved	\$0.00
Total Amount Allowed To Date:	\$324,642.47
Less Previous Estimates	\$0.00
Net Payment Request To Be Paid To Contractor:	\$324,642.47
Reserve Payment to Contractor:	\$0.00
<u>Balance to Finish : \$182,838.53</u>	<u>Accounting Auditor:</u>
Amount to be Reserved from Above	\$0.00
Less Previous Transfers To Reserve:	\$0.00
<u>Amount of Current Transfer</u>	<u>\$0.00</u>

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

Date: 10-07-2022

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

Date: 10/7/22

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

Date: _____

Recommended by: _____
 Stephen Downing; Macomb County OPWC

Date: _____

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

Date: _____

Regular Pay Estimate No. One, CS-9 Damage Repairs; September, 2022

OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD
For Construction of the CS-9 Hatch Cover Damage Repair (Contract # 5977)
Located in the City of Warren, Macomb County, Michigan
Project 61R2210004

Regular Construction Estimate No. Two (B.R. Insurance Repairs)

Period: Inception through 9-30-22

Substantial Completion

Department No.:	6010101	Account No.:	730373
Fund No.:	63900	Program No.:	149800
Project No.:	61R2210004	Activity:	STD

Contractor:	Vendor # 23191	Date of Contract:	July 10, 2022
Walsh Construction Co. II, LLC	LI # 43331 exp. 12/16/22	Final Completion Date:	TBD
3031 West Grand Blvd., Suite 640		Adj. Final Completion:	TBD
Detroit, MI 48202			


Original Construction Contract Amount (Per OMID DD Change Order No. One- Insurance Repairs)	\$507,481.00
Previous Change Orders: None	\$0.00
New Change Orders This Estimate: None	\$0.00
Total Net Change Orders:	\$0.00
Adjusted Contract Amount:	\$507,481.00
Sub-Total To Date	\$507,481.00
Less Deductions: None	\$0.00
Gross Estimate, Work in Place (64 % Complete)	\$507,481.00
Less Amount Reserved	\$0.00
Total Amount Allowed To Date:	\$507,481.00
Less Previous Estimates	\$324,642.57
Net Payment Request To Be Paid To Contractor:	\$182,838.84
Reserve Payment to Contractor:	\$0.00
Balance to Finish : 0	Accounting Auditor:
Amount to be Reserved from Above	\$0.00
Less Previous Transfers To Reserve:	\$0.00
Amount of Current Transfer	\$0.00

Prepared by:  Date: 11-1-2022
 Lawrence T. Gilbert, P.E.; NTH Consultants Ltd.

Recommended by:  Date: 11/1/2022
 Saju Sachidanandan, P. E.; NTH Consultants Ltd.

Recommended by:  Date: 11/6/2022
 Joel Brown, P.E. Oakland County WRC

Recommended by:  Date: 11/3/2022
 Stephen Downing; Macomb County OPWC

Approved for Payment by:  Date: 11/7/2022
 Sid Lockhart, P.E.; Special Projects Manager, Oakland County WRC

Regular Pay Estimate No. Two, CS-9 Damage Repairs; October, 2022 to Substantial Completion _____

Agenda Item No. 8

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.

November 9, 2022 OMIDDD Board Meeting

The following provides a status update as of the writing of this report (October 31, 2022) 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
 - Jacobs has completed noise abatement modeling for the new odor control equipment at CS-12/CS-6, and will present recommended mitigation options to OMIDDD in November 2022.
 - Jacobs is conducting air dispersion modeling at CS-12/CS-6 to establish the minimum exhaust stack height that should be utilized; Jacobs is also analyzing the proposed location of the exhaust stack, to minimize any potential risks with the ITC lines.
 - The manhole/structure survey plan to document opening sizes in the system between CS-8 and the NESPS will now take place in November 2022.
- Task 2 Basis of Design
 - Jacobs has established the required footprint of the replica house that will contain the odor control equipment at ST-S-3; Jacobs will prepare the application to request a setback variance from Sterling Heights and will submit it to the Zoning Board of Appeals in November 2022.
 - 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.

November 9, 2022 OMIDDD Board Meeting

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/winter 2022.

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, the modification of one manhole, 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.

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.

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- The Dry well (Main Elevator) **final** inspection is pending, date to be determined.
- Existing disabled Wet Well Elevator cleaning/inspections as part of its restoration is in progress.
- Next quarterly wet well sediment inspection and bar screen cleaning slated for December 2022.
- Options for future automated and/or optimized cleaning of wet well/bar screens are being researched and considered.
- A NESPS Controls Workshop with the OMID team and GLWA is an ongoing process, designed around new operational parameters and control strategies.

Overall NESPS Station Performance Report:

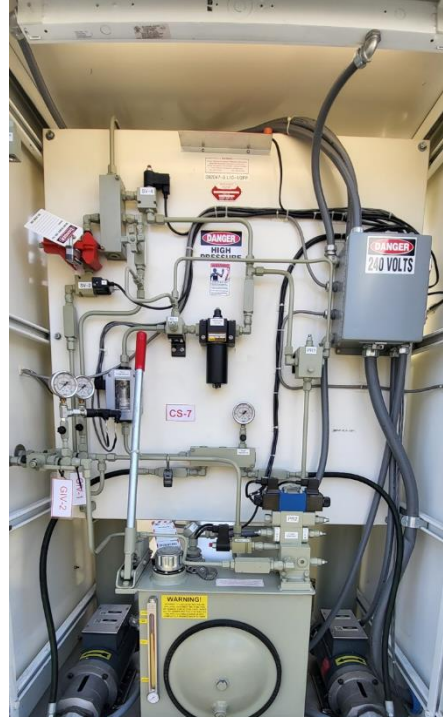
- No changes from previous report. Sanitary Pumps #2 #4, #5, and #6 ready for duty. Total pump capacity equals 500-cfs. The wet well dewatering pump is also ready for duty.
- Sanitary #2 and Sanitary #4 share primary duty. Pumps #5 and Pump #6 share backup roles. This strategy has proven results in meeting dry and wet weather demands.
- Specific data logging software has been installed within the Sanitary Pump #2 VFD drive PLC. Siemens maintains the ability to monitor VFD performance and fault/trip conditions. No faults or trips to report. P2 VFD Pump and Motor continues to perform well since 2021 power cell restoration.
- Rotor integrated the existing Eaton Power Expert (Quality Power Monitoring Meter) located on the VFD Sanitary Pump #4 switchgear into the OMID SCADA system. No faults, voltage sags or spikes reported. Incoming power data is collected daily with the data kept on file. No issues to report.
- New electrical gear remains safely isolated from old operational switch gear which continues feed the station.
- Stand-by Generator remains ready for back-up if required. All preventative maintenance requirements current.
- NEXGEN asset management in use. Monthly status meetings are being held with OMID. Contractors are fulfilling their requirements and 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.
- Bio Filter performance slightly out of normal. No odor complaints have been received from the community but personnel have noticed “organic” like odors around the discharge chamber. The Jacobs team is reviewing the data. Parameters checked daily.
- HVAC preventative maintenance tasks completed. Complete filter change-out September 23, 2022.
- Standby Generator preventative maintenance tasks complete. No issues to report.
- 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 now support MID/OMID/NIEA repair and improvement projects.
- 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 this part.
- Preventative maintenance tasks are ongoing.

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- CS-7 in stand-by mode ready for service.
- CS-8 in stand-by mode ready for service.
- CS-5 in stand-by mode ready for service; installation of lower limit switch was completed October 21, 2022.
- CS-9 in stand-by mode ready for service.
- Routine daily rounds and inspection made with no major maintenance issues to report.



Photos of equipment at Control Structure 7 taken during routine housekeeping

Other System Operation Issues

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

OMID System 3-Year Spot Repairs Status:

- Remaining 3-year spot repair work consists of step removal at one manhole in PCI-8, delayed due to access issues and timing of other work.

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 Saturdays, with 78 out of 95 manholes completed and 87 out of 92 tunnel reaches completed. Expected to have all manholes and reaches complete by 12/1/22.

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- Previously noted damage to CIPP Liner installed in 42" section of PCI-11A is slated to be repaired by 11/7/22. Current plan is for Doetsch to remove the damaged section, grind the edges, and assess if anything more is necessary.

NIEA Repairs (Design/Construction)

Contract 1 (PCI-4 Rehabilitation): In Construction

Amt Invoiced: Construction cost to date is \$10,471,102.49 representing 66.45% of the Contract value.

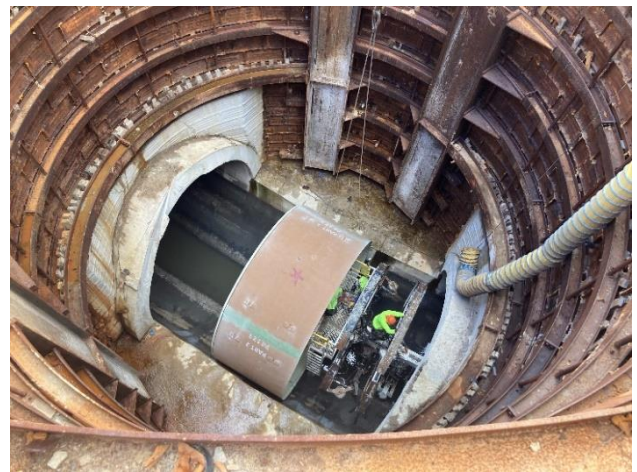
Schedule Status: Current adjusted Substantial Completion date is January 8, 2023. Contractor is operating approximately 10 weeks behind the adjusted schedule but anticipates this shortfall can be partially made up with productive lining and grouting work.

Contract 1 (PCI-4 Rehabilitation) Construction Status:

- Currently, 100% of the Channeline segments are now on site and being assembled, and 100% of the Rockhard SCP segments have been manufactured and delivered to the jobsite. In addition, 100% of the QuakeWrap lining pipe is complete at the Hastings, MI manufacturing facility. The first two sections of Quakewrap liner are scheduled for delivery to the site on 10-31-22.
- Regular Channeline lining installation continues on a limited production basis with approximately 449 linear feet of lining installed out of a total of 1,327 feet. Contractor has now advanced out of the curved section of interceptor and installation rate had been increased in the straight section. However, a continuing severe current industry-wide shortage of cement necessary for grout filling of the annular space surrounding the liner has adversely affected both liner installation and grouting work. This shortage is projected by the cement grout suppliers to extend into late November 2022 when the active highway construction season ends. The Contractor and Engineering Team continue seeking other sources of supply.
- Approximately 160 feet of installed pipe has been grouted in place.
- Geotechnical monitoring of construction activities at the access shaft location indicates continuing stable conditions.



Continued assembly of Channeline pipe on October 17, 2022



Loading Channeline pipe section P#123 into access shaft on October 13, 2022

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Grouting bulkhead of Channeline pipe section P#123



Installation of grout ports and vents for annulus grouting

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

Amt Invoiced: \$2,255,300 out of currently projected study/design budget of \$2,400,570.

Schedule Status: Contract 2: 100% design work complete; expected to bid in 2022 Q4 pending permit and easement acquisition resolution and coordination with GLWA.

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

- NI-EA OMID Contract No. 2 PCI-18 & 19 Rehabilitation 100% drawing set complete. Issued for Bid documents will be issued November 4, 2022 for Contractor Pick-up.
- 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) 4/16/2021 and 10/1/22 (Contract 2)
Issued for Bid			6/10/2020 (Contract 1) 11/4/22 (Contract 2)
Bid Opening			9/30/2020 (Contract 1) 1/20/22 (Contract 2)
Contract Award and NTP			12/16/2020 and 1/04/2021 (Contract 1) 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) 6/18/24 and 7/16/25 (Contract 2A& B, est.)

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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 to date as of September 30, 2022, is \$28,961,773.88 out of \$47,334,857.35 (not including the now completed and operational Control Structure 9 Bulkhead Gate facility and adjusted for stored material inclusion in major work activities), representing 67% of the Pump & Electrical Upgrades Project. A Final Pay Application has been prepared for the Control Structure 9 Project, and will be submitted at the November, OMIDDD Board Meeting.

Schedule Status: Work is currently delayed due to supply chain issues and electrical issues that occurred in the motor control cabinetry of August 23, 2022 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 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 effectively final resting 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, as previously noted.
- 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 will now commence.
- 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 efforts on hold to observe the initial stages of grouting and determine if further measures may be required for final leak control.
- 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, OH facility for sand blast preparation and painting, with one segment already received on site.
- The 8/23/22 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.
- The **draft** line item schedule and budget are summarized:

November 9, 2022 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



Placing stop log before removing KGV #2



Removing KGV #2 on October 25, 2022



Installing temporary spool piece

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CS-9 Gate Installation

Budget Status:

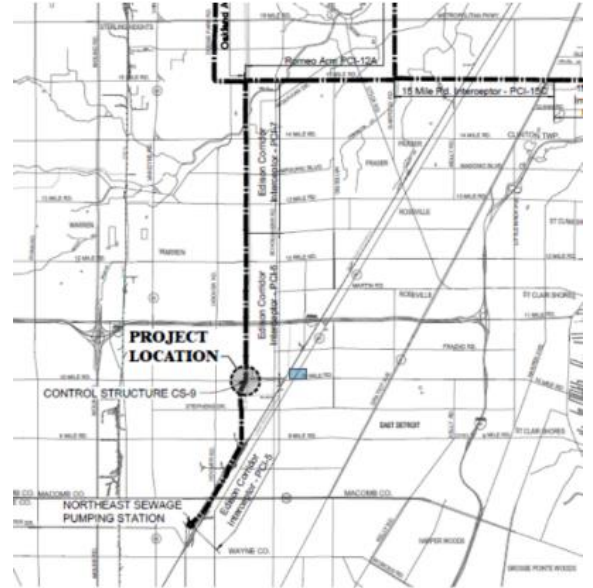
Total construction budget currently established as approximately \$3,314,218.01

Schedule Status:

Construction complete;
Repairs Complete
(Insurance Claim)

The following work is active:

- All work is complete and the Hydrogate gate is in regular use for flow control management.
- Work was completed in mid-October on minor re-grading and site landscaping to improve drainage and overall site appearance issues.



CS-9 Project location



Repairs of Hobas underway at CS-9 in early October 2022

OMID Improvements at CS-6 Site

The Contractor is nearing completion (three remaining lifts) of Control Structure 12, which will facilitate lining of OMID pipe between CS-12 and CS-4, likely in mid 2023.

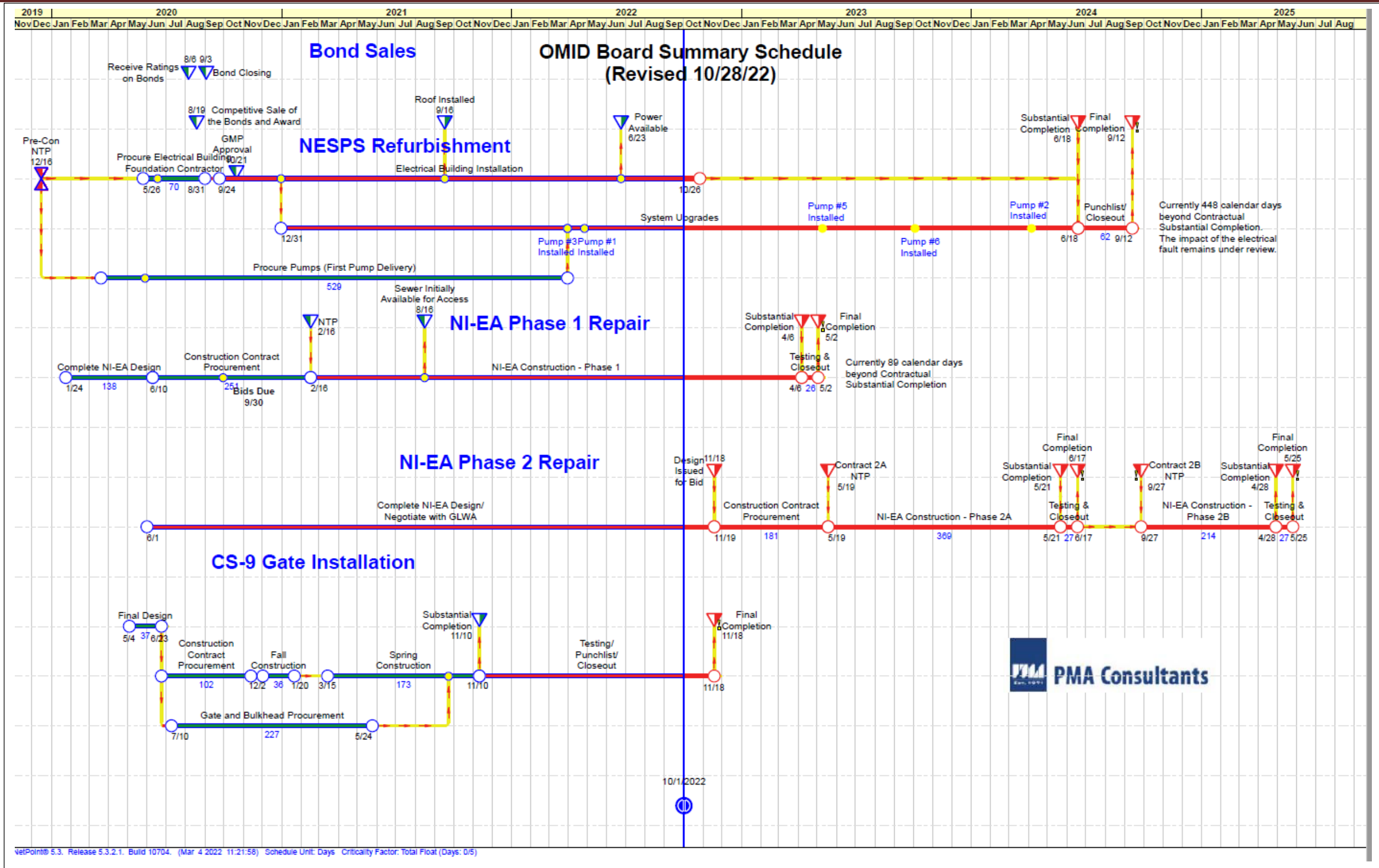
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Summary of OMID Design and Construction Status:

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; pursuing cost sharing w/ GLWA
Emergency Pumping Plan	ASI/FKE	Draft Plan to be modified following ITC bypass pumping modifications

November 9, 2022 OMIDDD Board Meeting



OMID Project Schedule Summary

Agenda Item No. 9

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

YTD Trial Balance		YTD Balance	OMID Segment	OMID NI-EA	NESPS MECH-ELEC	YTD Balance
Fund: 84917 Oakland Macomb InterceptorSeg5		No Project	5	CONSTRUCTION	CONSTRUCTION	
As of Fiscal Period: Month 1, 2023			100000003252	100000003308	100000003309	
100100	Cash - Operating	0.00	1,573,901.04	12,018,649.88	22,094,369.43	35,686,920.35
104100	Accrued Interest on Investment	0.00	(143,909.29)			(143,909.29)
143100	PrepaidExpenses			93,749.99	51,255.00	145,004.99
130000	Due from Maintenance Fund				105,813.84	105,813.84
	ASSETS	0.00	1,429,991.75	12,112,399.87	22,251,438.27	35,793,829.89
201210	Vouchers Payable AP Cont			(163,598.53)	(482,433.43)	(646,031.96)
222300	Unearned Revenues		(208,809.66)	(4,224,457.35)	(8,046,142.99)	(12,479,410.00)
	LIABILITIES	0.00	(208,809.66)	(4,388,055.88)	(8,528,576.42)	(13,125,441.96)
605000	Special Assessments Revenue					0.00
655000	Income From Investments		(1,453,527.16)			(1,453,527.16)
670000	Other Revenues					0.00
	REVENUES	0.00	(1,453,527.16)	0.00	0.00	(1,453,527.16)
730000	Contractual Services			(174,583.33)	(51,255.00)	(225,838.33)
770000	Internal Support Expenditures			2,547.11	7,027.94	9,575.05
	EXPENSES	0.00	0.00	(172,036.22)	(44,227.06)	(216,263.28)
381315	FB Restricted Debt		(47,288,433.00)			(47,288,433.00)
382100	FB Committed for Capital Proj	0.00	47,520,778.07	(7,552,307.77)	(13,678,634.79)	26,289,835.51
	Fund Balance	0.00	232,345.07	(7,552,307.77)	(13,678,634.79)	(20,998,597.49)
		0.00	0.00	0.00	0.00	0.00

Cash as of 09/30/2022 \$ 35,686,920.35

Invoices/Reimbursements for NIEA Construction on Current Agenda impacting Cash Balance (82,191.80)

Invoices/Reimbursements for NESPS Mech / Electrical Construction on Current Agenda impacting Cash Balance (73,551.36)

Total Net Cash Balance \$ 35,531,177.19

OCM Project Work In Progress

Company Oakland County
Projects and Project Hierarchies PRJ-13308 OMID NI-EA CONSTRUCTION
Budget Structure Project Task
Period FY2023 - Oct

Project	Original Budget	Actuals MTD	Obligations YTD	Actuals YTD	Actuals LTD	Variance
Project Expenses	28,395,600.00	(172,036.22)	49,846.33	(172,036.22)	16,271,049.26	12,124,550.74
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	2,547.11	0.00	2,547.11	126,482.70	351,517.30
1 > Engineering Consultants	4,913,000.00	(175,000.00)	0.00	(175,000.00)	2,896,052.41	2,016,947.59
1 > Facility Acquisition	17,983,600.00	0.00	0.00	0.00	12,965,238.35	5,018,361.65
1 > Inspection	260,000.00	0.00	0.00	0.00	0.00	260,000.00
1 > Legal and Financial	1,259,000.00	(10,000.00)	0.00	(10,000.00)	114,223.50	1,144,776.50
1 > Right of Way	265,000.00	0.00	0.00	0.00	76,496.02	188,503.98
1 > Standard	40,000.00	10,416.67	49,846.33	10,416.67	92,556.28	(52,556.28)
1 > Survey	32,000.00	0.00	0.00	0.00	0.00	32,000.00
Project Revenues	0.00	0.00	0.00	0.00	30,601,643.00	
RC605572 - Special Assessments Revenue	0.00	0.00	0.00	0.00	8,636,543.35	
RC697551 - Issuance of Bonds	0.00	0.00	0.00	0.00	21,965,099.65	
Revenue Over/ (Under) Expenses					14,330,593.74	

OCM Project Work In Progress

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

Project	Original Budget	Actuals MTD	Obligations YTD	Actuals YTD	Actuals LTD	Variance
Project Expenses	54,086,000.00	(150,040.90)	51,255.00	(150,040.90)	32,211,181.32	21,874,818.68
1 > Administration	620,000.00	(51,255.00)	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	2,621.70	0.00	2,621.70	193,880.10	252,119.90
1 > Engineering Consultants	3,987,000.00	(464,422.00)	0.00	(464,422.00)	2,166,389.75	1,820,610.25
1 > Facility Acquisition	40,857,000.00	344,871.82	0.00	344,871.82	28,622,937.03	12,234,062.97
1 > Inspection	285,000.00	4,406.24	0.00	4,406.24	345,713.69	(60,713.69)
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	13,736.34	51,255.00	13,736.34	658,260.75	(528,260.75)
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	58,288,235.00	
RC605572 - Special	0.00	0.00	0.00	0.00	16,450,612.99	
RC697551 - Issuance of Bonds	0.00	0.00	0.00	0.00	41,837,622.01	
Revenue Over/ (Under) Expenses					26,077,053.68	

OCM Project Work In Progress

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

Project	Actuals MTD	Actuals YTD	Total Spend YTD	Actuals LTD
Project Expenses	0.00	0.00	0.00	757,136.57
1 > Administration	0.00	0.00	0.00	242,201.57
1 > Legal and Financial	0.00	0.00	0.00	514,935.00
1 > Standard	0.00	0.00	0.00	0.00
Project Revenues	1,391,626.61	1,391,626.61	(1,391,626.61)	1,724,239.66
RC605572 - Special Assessments Revenue	0.00	0.00	0.00	426,481.40
RC655077 - Accrued Interest Adjustments	0.00	0.00	0.00	(173,438.14)
RC655385 - Income from Investments	0.00	0.00	0.00	902,399.13
RC655462 - Increase Market Value Investment	1,391,626.61	1,391,626.61	(1,391,626.61)	(516,205.82)
RC670513 - Prior Years Revenue	0.00	0.00	0.00	0.00
RC697219 - Premiums on Bonds Sold	0.00	0.00	0.00	7,672,724.75
RC697551 - Issuance of Bonds	0.00	0.00	0.00	(6,587,721.66)
Revenue Over/ (Under) Expenses				967,103.09

OAKLAND MACOMB INTERCEPTOR DRAINAGE BOARD - APPROVAL OF INVOICES/REIMBURSEMENTS

OMIDD Meeting Date 11/09/2022

		84917 1-3308	84917 1-3309	82912	
Payable To	Invoice #	Segment 5 NIEA Construction	Segment 5 NESPS Mech / Electric Construction	Operations & Maintenance	Total
Oakland County *	WRC Labor/Fringes/Non-direct Labor (08/27/22 - 09/23/22)	5,553.23	11,075.48		\$16,628.71
Oakland County *	WRC Equipment (08/27/22 - 09/23/22)	239.35	467.88		\$707.23
Applied Science, Inc	Invoice # 44 (ASI Inv. #8266) Services 10/02/22 to 10/22/22		73,551.36	3,810.00	\$77,361.36
Clark Hill PLC	Invoice # 1249610 Matter 438991 Bypass Pumping Easement Services Through 09/30/2022			153.00	\$153.00
Clark Hill PLC	Invoice # 1249661 Matter 424741 GLWA Model Wastewater Services Through 09/30/2022			5,508.00	\$5,508.00
Clark Hill PLC	Invoice # 1249662 Matter 404547 NIEA Improvements Services Through 09/30/2022	2,862.00			\$2,862.00
CSM Mechanical, LLC	Invoice # 21OMIDD-012 Leaking Isolation Valve Date 08/03/21			265.00	\$265.00
Dickinson Wright PLLC	Invoice # 1740885 Matter 012840-00451 Service through 09/30/2022			2,112.70	\$2,112.70
Jacobs Consultants, Inc.	Invoice # C6A19900-04 OMIDD Odor & Corrosion Facilities 7/30/22 - 9/30/22			99,362.14	\$99,362.14
Kennedy Industries	Invoice # 633442 - NESPS Field Service 10/14/22			1,331.00	\$1,331.00
Kone	Invoice # 921473977 NE Water Treatment Plant Stand By 06/10/22			1,638.17	\$1,638.17
Kone	Invoice # 1158371977 NE Water Treatment Plant Elevator Repair 06/27/22			895.12	\$895.12
Motor City Electric Technologies	Invoice # 94741 NESP SCADA Cut Over Service Date 09/08/22			135.00	\$135.00
NTH Consultants	Invoice # 631004 (D-439) Engineering Design NESPS Through 10/14/2022			2,458.38	\$2,458.38
NTH Consultants	Invoice # 631013 (D-425) Engineering Services Through 10/14/2022	58,429.05			\$58,429.05
NTH Consultants	Invoice # 631014 OMIDD System Inspection Through 10/14/2022			9,506.87	\$9,506.87
NTH Consultants	Invoice # 631015 Engineering Services NIEA PCI-4 Through 10/14/2022	3,386.03			\$3,386.03
PM Technologies	Invoice # 67445630 NESPS Generator 2 08/31/22			1,230.12	\$1,230.12
PM Technologies	Invoice # 67453428 NESPS Generator 1 08/31/22			1,230.12	\$1,230.12
PMA Consultants	Invoice # 03559.01 - 28 Professional Services Through 09/30/22	17,514.72			\$17,514.72
	Total Invoices/Reimbursements for Approval	\$87,984.38	\$85,094.72	\$129,635.62	\$302,714.72
	* Less WRC Charges already paid from OMI Fund	(5,792.58)	(11,543.36)	0.00	(17,335.94)
	Total Invoices/Reimbursements that will impact Cash Balance listed on Current Trial Balance submitted to OMI Drain Board	\$82,191.80	\$73,551.36	\$129,635.62	\$285,378.78

Agenda Item No. 10

Invoices

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 09/24/2022 - 10/21/2022									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1094849	9/29/2022	9/12/2022	BROWN, JOEL	1.00	125.45	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	9/29/2022	9/13/2022	BROWN, JOEL	2.00	250.90	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	9/29/2022	9/14/2022	BROWN, JOEL	0.50	62.73	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	9/29/2022	9/19/2022	BROWN, JOEL	2.00	250.90	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	9/29/2022	9/20/2022	BROWN, JOEL	2.50	313.63	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	9/29/2022	9/21/2022	BROWN, JOEL	2.00	250.90	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	9/29/2022	9/22/2022	BROWN, JOEL	3.00	376.35	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	9/29/2022	9/23/2022	BROWN, JOEL	1.00	125.45	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/7/2022	9/28/2022	BROWN, JOEL	3.00	376.35	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/7/2022	9/29/2022	BROWN, JOEL	5.00	627.25	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/7/2022	9/30/2022	BROWN, JOEL	0.50	62.73	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/7/2022	10/3/2022	BROWN, JOEL	2.50	313.63	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/7/2022	10/4/2022	BROWN, JOEL	1.00	125.45	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/7/2022	10/6/2022	BROWN, JOEL	4.00	501.80	REGULAR	WRCCON	PRJ-13309	ENGINEERING
			BROWN, JOEL Total		3,763.52				
1094849	10/7/2022	9/26/2022	LOCKHART, SIDNEY	3.00	409.11	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1094849	10/7/2022	9/28/2022	LOCKHART, SIDNEY	3.00	409.11	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1094849	10/7/2022	10/3/2022	LOCKHART, SIDNEY	3.00	409.11	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1094849	10/7/2022	10/5/2022	LOCKHART, SIDNEY	3.00	409.11	REGULAR	WRCADM	PRJ-13309	ENGINEERING
			LOCKHART, SIDNEY Total		1,636.44				
1050210	10/20/2022	9/27/2022	POUSHO, ROBERT	8.00	437.28	REGULAR	WRCCON	PRJ-13309	INSPECTION
1094845	10/6/2022	9/27/2022	POUSHO, ROBERT	8.00	437.28	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	10/20/2022	9/29/2022	POUSHO, ROBERT	8.00	437.28	REGULAR	WRCCON	PRJ-13309	INSPECTION
1094845	10/6/2022	9/29/2022	POUSHO, ROBERT	8.00	437.28	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	10/20/2022	10/4/2022	POUSHO, ROBERT	8.00	437.28	REGULAR	WRCCON	PRJ-13309	INSPECTION
1094845	10/6/2022	10/4/2022	POUSHO, ROBERT	8.00	437.28	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	10/20/2022	10/6/2022	POUSHO, ROBERT	8.00	437.28	REGULAR	WRCCON	PRJ-13309	INSPECTION
1094845	10/6/2022	10/6/2022	POUSHO, ROBERT	8.00	437.28	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	10/20/2022	10/11/2022	POUSHO, ROBERT	4.00	218.64	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	10/20/2022	10/13/2022	POUSHO, ROBERT	8.00	437.28	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	10/20/2022	10/18/2022	POUSHO, ROBERT	8.00	437.28	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	10/20/2022	10/20/2022	POUSHO, ROBERT	8.00	437.28	REGULAR	WRCCON	PRJ-13309	INSPECTION
			POUSHO, ROBERT Total		5,028.72				
1131289	10/7/2022	10/6/2022	PUSCAS, JACK J	4.00	323.40	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	10/17/2022	10/10/2022	PUSCAS, JACK J	4.00	323.40	REGULAR	WRCADM	PRJ-13309	ENGINEERING
			PUSCAS, JACK J Total		646.80				
			Grand Total		11,075.48				

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 09/24/2022 - 10/21/2022									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1094849	09/29/22	09/12/22	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	09/29/22	09/12/22	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	09/29/22	09/12/22	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	09/29/22	09/13/22	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	09/29/22	09/13/22	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	09/29/22	09/13/22	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	09/29/22	09/14/22	BROWN, JOEL	0.50	0.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	09/29/22	09/14/22	BROWN, JOEL	0.50	1.17	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	09/29/22	09/14/22	BROWN, JOEL	0.50	0.13	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	09/29/22	09/19/22	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	09/29/22	09/19/22	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	09/29/22	09/19/22	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	09/29/22	09/20/22	BROWN, JOEL	2.50	1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	09/29/22	09/20/22	BROWN, JOEL	2.50	5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	09/29/22	09/20/22	BROWN, JOEL	2.50	0.63	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	09/29/22	09/21/22	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	09/29/22	09/21/22	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	09/29/22	09/21/22	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	09/29/22	09/22/22	BROWN, JOEL	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	09/29/22	09/22/22	BROWN, JOEL	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	09/29/22	09/22/22	BROWN, JOEL	3.00	0.75	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	09/29/22	09/23/22	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	09/29/22	09/23/22	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	09/29/22	09/23/22	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/07/22	09/28/22	BROWN, JOEL	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/07/22	09/28/22	BROWN, JOEL	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/07/22	09/28/22	BROWN, JOEL	3.00	0.75	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/07/22	09/29/22	BROWN, JOEL	5.00	2.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/07/22	09/29/22	BROWN, JOEL	5.00	11.70	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/07/22	09/29/22	BROWN, JOEL	5.00	1.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/07/22	09/30/22	BROWN, JOEL	0.50	0.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/07/22	09/30/22	BROWN, JOEL	0.50	1.17	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/07/22	09/30/22	BROWN, JOEL	0.50	0.13	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/07/22	10/03/22	BROWN, JOEL	2.50	1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/07/22	10/03/22	BROWN, JOEL	2.50	5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/07/22	10/03/22	BROWN, JOEL	2.50	0.63	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/07/22	10/04/22	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/07/22	10/04/22	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/07/22	10/04/22	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/07/22	10/06/22	BROWN, JOEL	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/07/22	10/06/22	BROWN, JOEL	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/07/22	10/06/22	BROWN, JOEL	4.00	1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
			BROWN, JOEL Total		89.72				
1094849	10/07/22	09/26/22	LOCKHART, SIDNEY	3.00	17.07	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	10/07/22	09/26/22	LOCKHART, SIDNEY	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/07/22	09/26/22	LOCKHART, SIDNEY	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/07/22	09/26/22	LOCKHART, SIDNEY	3.00	0.75	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/07/22	09/28/22	LOCKHART, SIDNEY	3.00	17.07	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	10/07/22	09/28/22	LOCKHART, SIDNEY	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/07/22	09/28/22	LOCKHART, SIDNEY	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/07/22	09/28/22	LOCKHART, SIDNEY	3.00	0.75	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/07/22	10/03/22	LOCKHART, SIDNEY	3.00	17.07	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	10/07/22	10/03/22	LOCKHART, SIDNEY	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/07/22	10/03/22	LOCKHART, SIDNEY	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/07/22	10/03/22	LOCKHART, SIDNEY	3.00	0.75	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/07/22	10/05/22	LOCKHART, SIDNEY	3.00	17.07	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	10/07/22	10/05/22	LOCKHART, SIDNEY	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/07/22	10/05/22	LOCKHART, SIDNEY	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/07/22	10/05/22	LOCKHART, SIDNEY	3.00	0.75	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
			LOCKHART, SIDNEY Total		104.16				
1050210	10/20/22	09/27/22	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1094845	10/06/22	09/27/22	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/20/22	09/27/22	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1094845	10/06/22	09/27/22	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	10/20/22	09/29/22	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1094845	10/06/22	09/29/22	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/20/22	09/29/22	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1094845	10/06/22	09/29/22	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	10/20/22	10/04/22	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1094845	10/06/22	10/04/22	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/20/22	10/04/22	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1094845	10/06/22	10/04/22	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	10/20/22	10/06/22	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1094845	10/06/22	10/06/22	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/20/22	10/06/22	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION

1094845	10/06/22	10/06/22	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	10/20/22	10/11/22	POUSHO, ROBERT	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/20/22	10/11/22	POUSHO, ROBERT	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	10/20/22	10/13/22	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/20/22	10/13/22	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	10/20/22	10/18/22	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/20/22	10/18/22	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	10/20/22	10/20/22	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/20/22	10/20/22	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
			POUSHO, ROBERT Total		252.08				
1131289	10/07/22	10/06/22	PUSCAS, JACK J	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	10/07/22	10/06/22	PUSCAS, JACK J	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	10/17/22	10/10/22	PUSCAS, JACK J	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	10/17/22	10/10/22	PUSCAS, JACK J	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
			PUSCAS, JACK J Total		21.92				
			Grand Total		467.88				

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates -09/24/2022 - 10/21/2022									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1094815	09/29/22	09/12/22	BROWN, JOEL	1.5	188.18	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	09/29/22	09/13/22	BROWN, JOEL	1	125.45	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	09/29/22	09/13/22	BROWN, JOEL	1	125.45	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	09/29/22	09/19/22	BROWN, JOEL	2	250.90	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	09/29/22	09/20/22	BROWN, JOEL	2.5	313.63	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	09/29/22	09/21/22	BROWN, JOEL	1.5	188.18	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	09/29/22	09/22/22	BROWN, JOEL	1	125.45	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	09/29/22	09/23/22	BROWN, JOEL	2	250.90	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	10/07/22	09/28/22	BROWN, JOEL	2.5	313.63	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	10/07/22	10/03/22	BROWN, JOEL	2.5	313.63	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	10/07/22	10/06/22	BROWN, JOEL	1.5	188.18	REGULAR	WRCCON	PRJ-13308	ENGINEERING
			BROWN, JOEL Total		2,383.58				
1094815	10/07/22	09/26/22	LOCKHART, SIDNEY	2	272.74	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1094815	10/07/22	09/27/22	LOCKHART, SIDNEY	3	409.11	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1094815	10/07/22	09/28/22	LOCKHART, SIDNEY	2	272.74	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1094815	10/07/22	09/29/22	LOCKHART, SIDNEY	3	409.11	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1094815	10/07/22	10/03/22	LOCKHART, SIDNEY	2	272.74	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1094815	10/07/22	10/04/22	LOCKHART, SIDNEY	2	272.74	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1094815	10/07/22	10/05/22	LOCKHART, SIDNEY	2	272.74	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1094815	10/07/22	10/06/22	LOCKHART, SIDNEY	2.5	340.93	REGULAR	WRCADM	PRJ-13308	ENGINEERING
			LOCKHART, SIDNEY Total		2,522.85				
1131284	10/07/22	10/06/22	PUSCAS, JACK J	4	323.40	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	10/17/22	10/11/22	PUSCAS, JACK J	4	323.40	REGULAR	WRCADM	PRJ-13308	ENGINEERING
			PUSCAS, JACK J Total		646.80				
			Grand Total		5,553.23				

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 09/24/2022 - 10/21/2022									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1094815	09/29/22	09/12/22	BROWN, JOEL	1.5	0.6	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	09/29/22	09/12/22	BROWN, JOEL	1.5	3.51	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	09/29/22	09/12/22	BROWN, JOEL	1.5	0.38	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	09/29/22	09/13/22	BROWN, JOEL	1	0.4	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	09/29/22	09/13/22	BROWN, JOEL	1	0.4	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	09/29/22	09/13/22	BROWN, JOEL	1	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	09/29/22	09/13/22	BROWN, JOEL	1	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	09/29/22	09/13/22	BROWN, JOEL	1	0.25	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	09/29/22	09/13/22	BROWN, JOEL	1	0.25	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	09/29/22	09/19/22	BROWN, JOEL	2	0.8	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	09/29/22	09/19/22	BROWN, JOEL	2	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	09/29/22	09/19/22	BROWN, JOEL	2	0.5	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	09/29/22	09/20/22	BROWN, JOEL	2.5	1	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	09/29/22	09/20/22	BROWN, JOEL	2.5	5.85	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	09/29/22	09/20/22	BROWN, JOEL	2.5	0.63	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	09/29/22	09/21/22	BROWN, JOEL	1.5	0.6	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	09/29/22	09/21/22	BROWN, JOEL	1.5	3.51	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	09/29/22	09/21/22	BROWN, JOEL	1.5	0.38	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	09/29/22	09/22/22	BROWN, JOEL	1	0.4	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	09/29/22	09/22/22	BROWN, JOEL	1	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	09/29/22	09/22/22	BROWN, JOEL	1	0.25	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	09/29/22	09/23/22	BROWN, JOEL	2	0.8	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	09/29/22	09/23/22	BROWN, JOEL	2	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	09/29/22	09/23/22	BROWN, JOEL	2	0.5	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/07/22	09/28/22	BROWN, JOEL	2.5	1	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/07/22	09/28/22	BROWN, JOEL	2.5	5.85	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/07/22	09/28/22	BROWN, JOEL	2.5	0.63	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/07/22	10/03/22	BROWN, JOEL	2.5	1	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/07/22	10/03/22	BROWN, JOEL	2.5	5.85	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/07/22	10/03/22	BROWN, JOEL	2.5	0.63	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/07/22	10/06/22	BROWN, JOEL	1.5	0.6	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/07/22	10/06/22	BROWN, JOEL	1.5	3.51	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/07/22	10/06/22	BROWN, JOEL	1.5	0.38	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
			BROWN, JOEL Total		56.84				
1094815	10/07/22	09/26/22	LOCKHART, SIDNEY	2	11.38	ASSIGNED	Blazer/Suburbans	PRJ-13308	ENGINEERING
1094815	10/07/22	09/26/22	LOCKHART, SIDNEY	2	0.8	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/07/22	09/26/22	LOCKHART, SIDNEY	2	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/07/22	09/26/22	LOCKHART, SIDNEY	2	0.5	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/07/22	09/27/22	LOCKHART, SIDNEY	3	17.07	ASSIGNED	Blazer/Suburbans	PRJ-13308	ENGINEERING
1094815	10/07/22	09/27/22	LOCKHART, SIDNEY	3	1.2	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/07/22	09/27/22	LOCKHART, SIDNEY	3	7.02	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/07/22	09/27/22	LOCKHART, SIDNEY	3	0.75	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/07/22	09/28/22	LOCKHART, SIDNEY	2	11.38	ASSIGNED	Blazer/Suburbans	PRJ-13308	ENGINEERING
1094815	10/07/22	09/28/22	LOCKHART, SIDNEY	2	0.8	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/07/22	09/28/22	LOCKHART, SIDNEY	2	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/07/22	09/28/22	LOCKHART, SIDNEY	2	0.5	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/07/22	09/29/22	LOCKHART, SIDNEY	3	17.07	ASSIGNED	Blazer/Suburbans	PRJ-13308	ENGINEERING
1094815	10/07/22	09/29/22	LOCKHART, SIDNEY	3	1.2	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/07/22	09/29/22	LOCKHART, SIDNEY	3	7.02	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/07/22	09/29/22	LOCKHART, SIDNEY	3	0.75	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/07/22	10/03/22	LOCKHART, SIDNEY	2	11.38	ASSIGNED	Blazer/Suburbans	PRJ-13308	ENGINEERING
1094815	10/07/22	10/03/22	LOCKHART, SIDNEY	2	0.8	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/07/22	10/03/22	LOCKHART, SIDNEY	2	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/07/22	10/03/22	LOCKHART, SIDNEY	2	0.5	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/07/22	10/04/22	LOCKHART, SIDNEY	2	11.38	ASSIGNED	Blazer/Suburbans	PRJ-13308	ENGINEERING
1094815	10/07/22	10/04/22	LOCKHART, SIDNEY	2	0.8	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/07/22	10/04/22	LOCKHART, SIDNEY	2	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/07/22	10/04/22	LOCKHART, SIDNEY	2	0.5	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/07/22	10/05/22	LOCKHART, SIDNEY	2	11.38	ASSIGNED	Blazer/Suburbans	PRJ-13308	ENGINEERING
1094815	10/07/22	10/05/22	LOCKHART, SIDNEY	2	0.8	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/07/22	10/05/22	LOCKHART, SIDNEY	2	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/07/22	10/05/22	LOCKHART, SIDNEY	2	0.5	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/07/22	10/06/22	LOCKHART, SIDNEY	2.5	14.23	ASSIGNED	Blazer/Suburbans	PRJ-13308	ENGINEERING
1094815	10/07/22	10/06/22	LOCKHART, SIDNEY	2.5	1	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/07/22	10/06/22	LOCKHART, SIDNEY	2.5	5.85	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/07/22	10/06/22	LOCKHART, SIDNEY	2.5	0.63	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
			LOCKHART, SIDNEY Total		160.59				
1131284	10/07/22	10/06/22	PUSCAS, JACK J	4	1.6	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	10/07/22	10/06/22	PUSCAS, JACK J	4	9.36	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	10/17/22	10/11/22	PUSCAS, JACK J	4	1.6	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	10/17/22	10/11/22	PUSCAS, JACK J	4	9.36	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
			PUSCAS, JACK J Total		21.92				
			Grand Total		239.35				



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

October 27, 2022

Project Invoice # 44 (ASI Inv. 8266)

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: 10/2/22-10/22/22

li# 41133 v#352

Task No.	Task Description	Total This Invoice
1	Transition & Basis of Design	
	Total:	\$ -

Task No.	Task Description	Total This Invoice
2	Design Services for Pump & Electrical Upgrades	
	Total Due This Invoice:	\$ -

Task No.	Task Description	Total This Invoice
3	Additional Special Services	
	Total Due This Invoice:	\$ -

Task No.	Task Description	Total This Invoice
5	Construction Services	
	Total:	\$ 21,342.50
	Subconsultants:	
	NTH Consultants	\$ 17,313.22
	Metco Services	\$ 27,449.00
	FK Engineering:	\$ 4,960.50
	ASI Markup 5%:	\$ 2,486.14
	Total Due This Invoice:	\$ 73,551.36

84917-149015-730639-1-3309
engcon

Task No.	Task Description	Total This Invoice
6	Control Structure Rehab	
	Total:	\$ 3,810.00
	Subconsultants:	
	NTH Consultants	\$ -
	Metco Services	\$ -
	ASI Markup 5%:	\$ -
	Total Due This Invoice:	\$ 3,810.00

82912-149667-730639-
PRJ-17060 engcon

Summary		
	Total Due This Invoice-All Tasks:	\$ 77,361.36
	Previous Amount Invoiced:	\$ 352,438.43
	Total Invoiced To-Date	\$ 429,799.79
	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:	\$ 4,272,982.81



Oakland County Water Resources Commissioner, MI
Attn: Megan Koss, Esq.
One Public Works Drive
Waterford, MI 48328-1907
WRCLegalInvoices@oakgov.com

Invoice: 1249610
Date: 10/15/2022
Client: 30164
Matter: 438991

Contract No. 5087
Speedtype: 61M8291248
Fund:82912
Program: 149139
Account: 731661

Matter Name: Bypass Pumping Easement

LEGAL SERVICES RENDERED AND COSTS ADVANCED THROUGH SEPTEMBER 30, 2022

Total Fees:	\$	153.00
Total Due This Invoice:	\$	153.00



SBR

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

Invoice: 1249661
Date: 10/15/2022
Client: 58434
Matter: 424741

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

Matter Name: GLWA Model Wastewater Contract

LEGAL SERVICES RENDERED AND COSTS ADVANCED THROUGH SEPTEMBER 30, 2022

Total Fees:	\$	5,508.00
Total Due This Invoice:	\$	5,508.00



SBR

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

Invoice: 1249662
Date: 10/15/2022
Client: 58434
Matter: 404547

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

Matter Name: Northeast Interceptor East Arm Improvements

LEGAL SERVICES RENDERED AND COSTS ADVANCED THROUGH SEPTEMBER 30, 2022

Total Fees:	\$	2,862.00
Total Due This Invoice:	\$	2,862.00



CSM Mechanical, LLC

1235 Holden Ave.
Milford, MI 48381

Invoice

Date	Invoice #
8/3/2021	21OMIDD-012

Bill To
OMIDD One Public Works Drive Building 95 West Waterford, MI 48328

Ship To
OMIDD 11010 E. State Fair St. Detroit, MI

82912 - 149090 - 730660 - 5817 - Ch. 21 - v# 15750- li# 42697

P.O. Number	Terms	Due Date
	Net 60	10/2/2021

Description	Amount
Leaking Isolation Valve	
Labor	190.00
Vehicle/Tool Allowance	75.00
<i>TM</i> 10-20-21	

	Total	\$265.00
	Payments/Credits	\$0.00
	Balance Due	\$265.00

WE ACCEPT MASTER CARD, VISA, AND DISCOVER CARD

“Relentlessly Helping Our Customers Achieve Success by Being an Integral, Caring and Innovative Mechanical Solutions Provider.”



INVOICE DATE: OCTOBER 12, 2022
 INVOICE NO.: 1740885

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

ATTN: Kelsey Cooke

CLIENT/MATTER NO.: 012840-00451

RE: AMICUS BRIEF

82912-155010-731073- 5089 - v#4978- li #39111

PRIVILEGED AND CONFIDENTIAL

FOR PROFESSIONAL SERVICES THROUGH SEPTEMBER 30, 2022

USD

TOTAL FEES CURRENT INVOICE	\$	2,093.50
TOTAL DISBURSEMENTS CURRENT INVOICE	\$	<u>19.20</u>
TOTAL CURRENT INVOICE	\$	2,112.70

OUTSTANDING INVOICES ON THE MATTER BILLED ON THIS CURRENT INVOICE AS OF OCTOBER 12, 2022

<u>INVOICE</u>	<u>DATE</u>	<u>BILLED VALUE</u>	<u>PAYMENTS</u>	<u>OUTSTANDING</u>
1732227	09/15/22	4,068.50	(0.00)	<u>4,068.50</u>

TOTAL OUTSTANDING FROM PRIOR INVOICES	\$	4,068.50
TOTAL AMOUNT DUE	\$	<u>6,181.20</u>

KC 10/19/2022

Remittance Instructions		
Terms: Due and Payable Upon Receipt		
Mail To:	ACH Instructions:	Wire Instructions:
Dickinson Wright PLLC 2600 W. Big Beaver Suite 300 Troy, MI 48084	JP Morgan Chase Bank N.A. 28660 Northwestern Highway Southfield, MI 48034 ABA Number: 072 000 326 Account# 38852 <i>(Please Reference Invoice Numbers)</i>	JP Morgan Chase Bank N.A. 28660 Northwestern Highway Southfield, MI 48034 ABA Number: 021 000 021 Swift Code: CHASUS33 (International) Account# 38852 <i>(Please Reference Invoice Numbers)</i>

Invoice



Jacobs Consultants, Inc.

Invoice No.: C6A19900-04
 Invoice Date: 10/10/2022
 Jacobs Project No.: C6A19900
 Services From: 7/30/2022
 Services Through: 9/30/2022

Oakland-Macomb Interceptor Drain Drainage District
 c/o Oakland County Water Resources Commissioner's Office
 One Public Works Drive
 Bldg. 95 West
 Waterford, Michigan 48328

82912 - 149667- 730639 -1-17059- ENGCONSULT

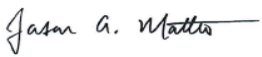
Attn: Mr. Joel Brown, P.E.

Project Description: OMID Odor and Corrosion Control Facilities

Task Number	Task Description	Budget Total	Previously Invoiced	Current Invoice	Project to Date	Remaining Budget
Task 1	Additional Investigation/Modeling	\$ 227,541.90	\$ 129,719.71	\$ 41,988.19	\$ 171,707.90	\$ 55,834.00
Task 2	Basis of Design	\$ 122,605.02	\$ 60,589.93	\$ 47,414.19	\$ 108,004.12	\$ 14,600.90
Task 3	ST-S-3 Vapor-Phase Treatment System - Subtask 3.1 - Design	\$ 235,745.04	\$ 16,732.76	\$ 3,319.92	\$ 20,052.68	\$ 215,692.36
	ST-S-3 Vapor-Phase Treatment System - Subtask 3.2 - Bidding	\$ 17,154.74	\$ -	\$ -	\$ -	\$ 17,154.74
Task 4	CS-6 Pump Station Vapor-Phase System - Subtask 4.1 - Design	\$ 231,874.29	\$ 14,138.87	\$ 3,319.92	\$ 17,458.79	\$ 214,415.50
	CS-6 Pump Station - Vapor-Phase System Subtask 4.2 - Bidding	\$ 15,612.91	\$ -	\$ -	\$ -	\$ 15,612.91
Task 5	CS-8 and ST-S-1 Local Odor Control - Subtask 5.1 - Design	\$ 80,199.91	\$ 8,242.31	\$ 3,319.92	\$ 11,562.23	\$ 68,637.68
	CS-8 and ST-S-1 Local Odor Control - Subtask 5.2 - Bidding	\$ 12,829.09	\$ -	\$ -	\$ -	\$ 12,829.09
Task 6	Design Emergency Relief Valves for CS-9 High Pressures	\$ 19,660.00	\$ -	\$ -	\$ -	\$ 19,660.00
	Total	\$ 963,222.90	\$ 229,423.58	\$ 99,362.14	\$ 328,785.72	\$ 634,437.17

Previously Invoiced: \$229,423.58
Total This Invoice: \$99,362.14
Total Invoiced To Date: \$328,785.72
Budget Amount: \$963,222.90
Remaining Amount USD: \$634,437.17

Outstanding Invoices					
Date	Invoice No.	Invoiced Amount	Paid Date	Paid Amount	Amount Outstanding
<i>No outstanding invoices at this time</i>					

Signed 

 Jason Matteo
 Project Manager

Please remit payment electronically to:
 Beneficiary Bank: Bank of America
 Account Name: Jacobs Consultants, Inc.
 Transit for ACH: 111000012
 Transit for Wires: 026009593
 Account No (USD): 4451457732

748



INVOICE		
DATE	NUMBER	PAGE
10/18/2022	633442	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
 T
 O

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

ATTENTION:
 TERRY MOORE 313-8297207 TMOORE@METCOSERVICES.COM

CUSTOMER REF/PO #	JOB #	JOB TITLE	SLP	SHIPPING TYPE	TERMS
00748	0117846	GREAT LAKES WATER AUTHORITY, NEPS PUMP #4, 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 KENNEDY INDUSTRIES PROVIDED (2) FIELD SERVICE TECHNICIAN(S) ONSITE ON 10/14/2022. PLEASE SEE THE ATTACHED SERVICE REPORT.	\$1,331.00	\$1,331.00
------	------	-------------------	---	------------	------------

THIS INVOICE REFLECTS:
 (11.5) HOURS OF LABOR.
 MILEAGE: \$66.00

TM-10-25-22

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

<small>This invoice is subject to and incorporates by reference Kennedy Industries, Inc.'s ("Kennedy") Terms & Conditions (Rev'd 4/2019) and Customer Warranty available at www.kennedyind.com which will be provided by email upon written request. Buyer expressly agrees to the provisions set forth in the Terms & Conditions and Customer Warranty posted on Kennedy's website</small> *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	SUBTOTAL:	\$1,331.00
	TAX:	\$0.00
	TOTAL:	\$1,331.00

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

www.KennedyInd.com



One KONE Court
Moline, IL 61265
Please do not send payments to this address

Repair Invoice

Invoice Date: 06/21/2022
Invoice Number: 921473977
Contract Number: 342625660
Service Order: 323499255
Purchase Order: PO-number

Customer Billing Address:

OAKLAND MACOMB INTERCEPTOR DRAIN
DRAINAGE DISTRICT
1 PUBLIC WORKS DR BLDG 95 W
WATERFORD MI 48328

Customer Number: 13827636
OAKLAND MACOMB INTERCEPTOR DRAIN
DRAINAGE DISTRICT
1 PUBLIC WORKS DR BLDG 95 W
WATERFORD MI 48328

Your invoicing email: brownjt@oakgov.com

**82912- 6010101-149090-730660- 9724 - ch. 21 -exp
8/1/2023**

Per client request, KONE is to conduct standby at the Southeast Water Treatment plant @ 11001 East State Fair Detroit this Friday the 10th starting @ 730AM. Walsh Construction needs access to the hoistway in order to install meshing over the duct ventilation to meet city code.

This will take approx. 4 hours to complete.

Southeast Water Treatment Plant Rates Applied

Standard Mechanic: \$299.48 per hour

Total

Equipment No: 44490178
Equipment Address: NORTHEAST WATER TREATMENT PLANT
11001 EAST STATE FAIR AVE
DETROIT MI 48234

Labor breakdown \$ 1,638.17

Total \$ 1,638.17

TM 8-10-22

Thank you for your business.

TO VIEW AND PAY ONLINE GO TO	https://kone.billtrust.com
USE THIS ENROLLMENT TOKEN	VDF MGW GLX
KONE invoice Account Number	13827636

Payment Terms: Net 30

Please Pay Before: 07/21/2022

Late Payment Interest: 1.5%

Payment Options - please reference this invoice number

Make Payments Online

ACH

Bank Name: CitiBank
ABA Routing: 021000089
Account Number: 30915201
Account Name: KONE Inc.

Mail Check

KONE
P.O. BOX 734874
CHICAGO, IL 60673-4874

KONE DETROIT U190
11864 BELDEN CT
LIVONIA, MI 48150-1459

Telephone: +1 734-513-6944
www.KONE.us/billing

KONE Inc. TAX ID 36-2357423

Please do not send payments to this address



One KONE Court
Moline, IL 61265
Please do not send payments to this address

Repair Invoice

Invoice Date: 07/21/2022
Invoice Number: 1158371977
Contract Number: 41954943
Purchase Order: None

Customer Number: 13827636

OAKLAND MACOMB INTERCEPTOR DRAIN
DRAINAGE DISTRICT
1 PUBLIC WORKS DR BLDG 95 W
WATERFORD MI 48328

Customer Billing Address:

OAKLAND MACOMB INTERCEPTOR DRAIN
DRAINAGE DISTRICT
1 PUBLIC WORKS DR BLDG 95 W
WATERFORD MI 48328

Your invoicing email: brownjt@oakgov.com

**82912- 6010101-149090-730660- 9724 - ch. 21 -exp
8/1/2023**

Darrin Green called on 6/27/2022 at 9:03 AM reporting an operating problem with the PASSENGER ELEVATOR. When we arrived at 9:34 AM the unit was operating normally. We adjusted floor stops, checked unit to verify proper and safe operation. Actions related to this call are outside the scope of KONE Service Agreement, and are thus 100% billable.

Equipment: PASSENGER ELEVATOR
Equipment No: 44490178
Equipment Address: NORTHEAST WATER TREATMENT PLANT
11001 EAST STATE FAIR AVE
DETROIT MI 48234

Service Order: 9AUS15041712
Completion Date: 06/27/2022

	Net Value	Total
LABOR	\$ 847.62	\$ 847.62
EXPENSE	\$ 47.50	\$ 47.50
Total		\$ 895.12

Thank you for your business.

TO VIEW AND PAY ONLINE GO TO	https://kone.billtrust.com
USE THIS ENROLLMENT TOKEN	VDF MGW GLX
KONE eInvoice Account Number	13827636

Payment Terms: Net 30

Please Pay Before: 08/20/2022

Late Payment Interest: 1.5%

Payment Options - please reference this invoice number

Make Payments Online

ACH

Bank Name: CitiBank
ABA Routing: 021000089
Account Number: 30915201
Account Name: KONE Inc.

Mail Check

KONE
P.O. BOX 734874
CHICAGO, IL 60673-4874

KONE DETROIT U190
11864 BELDEN CT
LIVONIA, MI 48150-1459

Telephone: +1 734-513-6944
www.KONE.us/billing

KONE Inc. TAX ID 36-2357423

Please do not send payments to this address



INVOICE NO. 1811-46

DATE: November 1, 2022

METCO PROJECT NO. 1811

INVOICE PERIOD: 10/3 thru 10/30/2022

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)

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	0.0	\$ 215.00	\$ -
Terry Moore	Operations Manager	36.0	\$ 145.00	\$ 5,220.00
Terry Moore	Operations Manager (Overtim	0.0	\$ 195.00	\$ -
Darrin Green	Staff Engineer	44.0	\$ 90.00	\$ 3,960.00
Darrin Green	Staff Engineer-(Overtime)	9.5	\$ 135.00	\$ 1,282.50
Anthony Vozza	Staff Engineer	39.0	\$ 90.00	\$ 3,510.00
Anthony Vozza	Staff Engineer-(Overtime)	13.0	\$ 135.00	\$ 1,755.00
Rosana Santos	Administrative Assoc.	0.0	\$ 73.79	\$ -
Subtotal OMID Operatons:			\$	15,727.50

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

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	8.0	\$ 215.00	\$ 1,720.00
Terry Moore	Operations Manager	36.0	\$ 145.00	\$ 5,220.00
Terry Moore	Operations Manager (Overtim	7.0	\$ 195.00	\$ 1,365.00
Darrin Green	Staff Engineer	36.0	\$ 90.00	\$ 3,240.00
Darrin Green	Staff Engineer-(Overtime)	4.0	\$ 135.00	\$ 540.00
Anthony Vozza	Staff Engineer	30.0	\$ 90.00	\$ 2,700.00
Anthony Vozza	Staff Engineer-(Overtime)	0.0	\$ 135.00	\$ -
Rosana Santos	Administrative Assoc.	4.0	\$ 73.79	\$ 295.16
Subtotal NEPS Operations			\$	15,080.16
Subtotal Operations			\$	30,807.66

Maintenance & Asset Management

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

Name	Title	Hrs.	Rate/Hr.	Amount
Terry Moore	Operations Manager	36.0	\$ 145.00	\$ 5,220.00
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	\$ -
Subtotal OMID Maintenance:			\$	5,220.00

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

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	8.0	\$ 215.00	\$ 1,720.00
Terry Moore	Operations Manager	36.0	\$ 145.00	\$ 5,220.00
Terry Moore	Operations Manager (Overtim	5.0	\$ 195.00	\$ 975.00
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	40.0	\$	90.00	\$	3,600.00
Darrin Green	Staff Engineer-(Overtime)	0.5	\$	135.00	\$	67.50
Anthony Vozza	Staff Engineer	69.0	\$	90.00	\$	6,210.00
Anthony Vozza	Staff Engineer-(Overtime)	10.0	\$	135.00	\$	1,350.00
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-
Subtotal:					\$	19,142.50
Maintenance Services (see attached invoices):					\$	9,095.79
Subtotal NEPS Maintenance:					\$	28,238.29
Subtotal Maintenance:					\$	33,458.29

NEXGEN Asset Management Implementation Services – #1-2842 Fund 82912, Program 149090, Account 730646 ENGCON

<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	20.0	\$	145.00	\$	2,900.00
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	44.0	\$	90.00	\$	3,960.00
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-
Subtotal Maintenance:					\$	6,860.00

Task 12.0 - As-Needed Services

Additional General/Excess Liability Insurance Fee:	\$	-
Subtotal 12.0:	\$	-

TOTAL AMOUNT DUE THIS INVOICE: \$ 71,125.95



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

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
922567	0	001	9/8/2022	10/3/2022	94741

SID LOCKHART

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	NESP SCADA CUTOVER	\$135.00	-	\$135.00	\$135.00	-	-
Totals:		\$135.00		\$135.00	\$135.00		
Less Retained:				-			
Invoice Total:				\$135.00			

TM-10-12-22

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

82912 - 6010101 - 149130-730660 - 5469 - Ch. 21 - v# 7755 - li# 41132 - exp. 12/31/23

WORK ORDER #724 COMPLETED 9/8/2022

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."



NTH Consultants, Ltd.
 Infrastructure Engineering
 and Environmental Services

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

Invoice # : 631004
 Project : 61210495
 Invoice Group :
 Invoice Date : 10/25/2022

Attention: Sid Lockhart

For Professional Services Rendered from 9/24/2022 - 10/14/2022

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

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: 75.88%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 247.78	\$ 14,356.64
Overhead %	188.00 465.83	26,990.48
Total Regular Labor Expense	713.61	41,347.12
Total Direct Labor	713.61	41,347.12
Profit / Fixed Fee %	12.00 85.63	4,961.65
Direct Expenses Charge	2.86	337.08
Expense Multiplier %	5.00 0.14	16.86
Direct Subcontractor Charge	1,562.40	15,300.50
Subcontractor/Subconsultant Multiplier %	6.00 93.74	918.03
Total Other Direct Charges Reimbursables	1,659.14	16,572.47
Total Costs:	2,458.38	62,881.24
Total Due This Invoice	\$ 2,458.38	\$ 62,881.24



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

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

Invoice # : 631013
Project : 61-200186
Invoice Group : **
Invoice Date : 10/26/2022

Attentior Sid Lockhart

For Professional Services Rendered from 9/24/2022 - 10/14/2022

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

Task 01	NI-EA OMID Contract No. 1 CCA	\$2,262,847.00
Task 02	OMID CS-9 Gate CCA	\$217,468.00
	Preliminary Budget Amount	\$2,480,315.00
	Percent Complete:	72.32%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 15,351.34	\$ 368,873.01
Overhead %	188.00	28,860.52	693,481.27
Total Regular Labor Expense		44,211.86	1,062,354.28
Total Direct Labor		44,211.86	1,062,354.28
Profit / Fixed Fee %	12.00	5,305.42	127,482.54
Direct Expenses Charge		1,553.81	24,438.69
Expense Multiplier %	5.00	77.69	1,221.93
Direct Subcontractor Charge		6,698.37	545,495.46
Subcontractor/Subconsultant Multiplier %	6.00	401.90	32,729.79
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		8,731.77	603,885.87
Total Costs:		58,249.05	1,793,722.69
Total Due This Invoice		\$ 58,249.05	\$ 1,793,722.69



NTH Consultants, Ltd.
 Infrastructure Engineering
 and Environmental Services

82912 - 6010101 - 149662 - 731458- 2603 - Ch. 21 - v#238 - li#24138 - exp. 12/31/23

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

Invoice #: 631014
 Project: 61210124
 Invoice Group: **
 Invoice Date: 10/26/2022

Attention: Sid Lockhart

For Professional Services Rendered from 8/27/2022 - 10/14/2022

Consulting Services Regarding 2021 OMID System Inspection

Task 01 Inspection and Reporting \$526,974.00
 Preliminary Budget Amount \$526,974.00
 Percent Complete: 52.48%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 227.05	\$ 16,814.17
Overhead %	188.00 426.85	31,610.63
Total Regular Labor Expense	653.90	48,424.80
Total Direct Labor	653.90	653.90
Profit / Fixed Fee %	12.00 78.47	5,810.97
Direct Expenses Charge	0.00	855.92
Expense Multiplier %	5.00 0.00	42.82
Direct Subcontractor Charge	8,277.83	208,904.79
Subcontractor/Subconsultant Multiplier %	6.00 496.67	12,534.29
Direct Unit Rate Charge	0.00	0.00
Total Other Direct Charges Reimbursables	8,774.50	222,337.82
Total Costs:	9,506.87	276,573.59
Total Due This Invoice	\$ 9,506.87	\$ 276,573.59



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

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

Invoice #: 631015
Project: 61-190078
Invoice Group: NI-EA
Invoice Date: 10/26/2022

Attention: Sid Lockhart

For Professional Services Rendered from 9/24/2022 - 10/14/2022

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: 93.81%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 592.60	\$ 313,295.18
Overhead %	188.00 1,114.09	588,994.96
Total Regular Labor Expense	1,706.69	902,290.14
Total Direct Labor	1,706.69	902,287.67
Profit / Fixed Fee %	12.00 204.80	108,274.80
Direct Expenses Charge	16.02	27,687.43
Expense Multiplier %	5.00 0.80	1,384.41
Direct Subcontractor Charge	1,375.21	1,123,212.80
Subcontractor/Subconsultant Multiplier %	6.00 82.51	67,392.92
Total Other Direct Charges Reimbursables	1,474.54	1,219,677.56
Total Costs:	3,386.03	2,230,242.50
Total Due This Invoice	\$ 3,386.03	\$ 2,230,242.50



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

INVOICE 67445630	INVOICE DATE Aug 31, 2022
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JOB ADDRESS

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

Completed Date: 8/31/2022
Payment Term: NET 10 DAYS
Due Date: 9/10/2022

DESCRIPTION OF WORK

Recommend replacement of both air filters.

TASK	DESCRIPTION	QTY	PRICE	TOTAL
CLAB	Commercial Labor	1.00	\$149.00	\$149.00
Mileage	Charge per mile of travel	62.00	\$1.75	\$108.50

Materials

MATERIAL	DESCRIPTION	QUANTITY	YOUR PRICE	YOUR TOTAL
1131578	AIR FILTER	2.00	\$473.81	\$947.62
PCS SHIPPING-NI	SHIPPING & HANDLING FEE	1.00	\$25.00	\$25.00

SUB-TOTAL \$1,230.12

TOTAL DUE \$1,230.12

BALANCE DUE **\$1,230.12**

Thank you for choosing PM Technologies

CUSTOMER AUTHORIZATION

TM 10-17-22



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

INVOICE 67453428	INVOICE DATE Aug 31, 2022
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JOB ADDRESS

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

Completed Date: 8/31/2022
Payment Term: NET 10 DAYS
Due Date: 9/10/2022

DESCRIPTION OF WORK

Recommend replacement of air filters.

TASK	DESCRIPTION	QTY	PRICE	TOTAL
CLAB	Commercial Labor	1.00	\$149.00	\$149.00
Mileage	Charge per mile of travel	62.00	\$1.75	\$108.50

Materials

MATERIAL	DESCRIPTION	QUANTITY	YOUR PRICE	YOUR TOTAL
1131578	AIR FILTER	2.00	\$473.81	\$947.62
PCS SHIPPING-NI	SHIPPING & HANDLING FEE	1.00	\$25.00	\$25.00

SUB-TOTAL	\$1,230.12
TOTAL DUE	\$1,230.12
BALANCE DUE	\$1,230.12

Thank you for choosing PM Technologies

CUSTOMER AUTHORIZATION

TM 10-17-22



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

October 13, 2022

Invoice No: 03559.01 - 28

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

Project 03559.01 Oakland-Macomb Interceptor Drainage 2020

Professional Services from September 1, 2022 to September 30, 2022

Professional Personnel

		Hours	Rate	Amount	
Zann, John		68.00	94.00	6,392.00	
	Totals	68.00		6,392.00	
	Total Labor				6,392.00

Additional Fees

Overhead	149.10 % of 6,392.00		9,530.47	
Profit	10.00 % of 15,922.47		1,592.25	
	Total Additional Fees		11,122.72	11,122.72

Billing Limits

	Current	Prior	To-Date
Total Billings	17,514.72	290,795.85	308,310.57
Limit			450,000.00
Remaining			141,689.43

Total this Invoice \$17,514.72

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. 11

Proposed 2023 Meeting Dates



**Oakland-Macomb Interceptor Drain
2023 Meeting Schedule**

The following meetings will convene at 11:30 a.m. in the office of the **Oakland County Water Resources Commissioner**, Public Works Building, One Public Works Drive, Waterford, Michigan and virtually:

January 18, 2023	April 19, 2023
February 22, 2023	May 17, 2023
March 15, 2023	June 21, 2023

The following meetings will convene at 11:30 a.m. in the office of the **Macomb County Public Works Office**, 21777 Dunham Road, Clinton Township, Michigan and virtually:

July 19, 2023	October 18, 2023
August 16, 2023	November 15, 2023
September 20, 2023	December 20, 2023



Agenda Item No. 12

Other Business

Agenda Item No. 13

Adjourn