

NOTICE OF MEETINGS
DRAINAGE BOARD FOR THE FOLLOWING DRAINS:

1. Luz Relief Drains
2. Clinton River Water Resource Recovery Facility
3. Acacia Park CSO Drain
4. Birmingham CSO Drain
5. Bloomfield Village CSO Drain
6. George W. Kuhn Drain
7. Augusta Drain
8. Pontiac Clinton River No. 1 Drain
9. Bishop Drain
10. Caddell Drain
11. Tribute Drain
12. City of Pontiac Wastewater Treatment Facility
13. Evergreen-Farmington Sanitary Sewer Drain

NOTICE IS HEREBY GIVEN THAT MEETINGS OF THE DRAINAGE BOARD FOR THE ABOVE-MENTIONED DRAINS WILL COMMENCE IN THE OAKLAND COUNTY PUBLIC WORKS BUILDING, ONE PUBLIC WORKS DRIVE, WATERFORD, MICHIGAN, AND VIA **MICROSOFT TEAMS** AT 2 P.M., ON **TUESDAY, FEBRUARY 25, 2025**, TO CONDUCT NECESSARY AND APPROPRIATE BUSINESS OF THE DRAINAGE BOARDS. THOSE WHO WISH TO PARTICIPATE REMOTELY MAY FOLLOW THE INSTRUCTIONS ATTACHED TO THIS NOTICE. ALL BOARD MEMBERS WILL BE PARTICIPATING IN-PERSON.

DURING THE MEETING, THERE WILL BE AN AGENDA ITEM FOR PUBLIC COMMENT, DURING WHICH THE PUBLIC MAY PROVIDE INPUT OR ASK QUESTIONS OF THE BOARD. IN THE EVENT A MEMBER OF THE PUBLIC WOULD LIKE TO SUBMIT THEIR INPUT OR QUESTIONS TO BE READ AT THE MEETING BY THE BOARD CHAIRPERSON, PLEASE PROVIDE THE INPUT OR QUESTIONS IN WRITING TO STEPHANIE LAJDZIAK AT LAJDZIAKS@OAKGOV.COM. PERSONS WITH DISABILITIES WHO NEED ASSISTANCE PARTICIPATING IN THE MEETING SHOULD CONTACT STEPHANIE LAJDZIAK AT LAJDZIAKS@OAKGOV.COM.

JIM NASH
Oakland County Water Resources Commissioner
Telephone: 248-858-0958

Posted by: February 20, 2025

Microsoft Teams [Need help?](#)

[Join the meeting now](#)

Meeting ID: 268 056 353 723

Passcode: Ef6wb2ep

Dial in by phone

[+1 248-333-6396,,447596550#](#) United States, Pontiac

[Find a local number](#)

Phone conference ID: 447 596 550#

For organizers: [Meeting options](#) | [Reset dial-in PIN](#)



[Org help](#)

Chapter 20 Drainage Board Meeting
Regular Meeting – Tuesday, February 25, 2025

1. Luz Relief Drains

AGENDA

DRAINAGE BOARD FOR THE LUZ RELIEF DRAINS

First Meeting of the Drainage Board
New Drain Project
Charter Township of Bloomfield

February 25, 2025

1. Call meeting to order.
2. Approve minutes of meeting of June 22, 2021
3. Public Comments
4. Present Memorandum from Michael Walsh, P.E., Civil Engineer III, dated February 25, 2025, requesting the Board receive and file the General Summary of the Extension Project
5. Present petition from the Charter Township of Bloomfield.
6. Resolution to:
 - A. Acknowledge consideration of petition.
 - B. Determine that the drain project is necessary for the public health.
 - C. Designate public corporations to be assessed.

Charter Township of Bloomfield
County of Oakland – on account of drainage of county highways
 - D. Name the drain project and the drainage district.
 - E. Set the time for the first hearing.
 - F. Direct that notice be published in The Oakland Press.
 - G. Direct that notice be mailed.
7. Resolution to appoint registered bond counsel and engineer.
8. Other business.
9. Approve pro rata payment to Drainage Board members

10. Adjourn.

4938-5850-0115 v2 [9007-444]

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE LUZ RELIEF DRAINS**

June 22, 2021

A meeting of the Drainage Board for the Luz Relief Drains was held at 2:00 p.m. on the 22nd day of June, 2021. Due to the COVID-19 pandemic, the meeting was conducted electronically via GoToMeeting in accordance with PA 254 of 2020, as may be amended from time to time and/or as otherwise provided by law.

The meeting was called to order by the Chairperson. The Board indicated where they were physically located at the time of the meeting as follows:

PRESENT: Jim Nash, Oakland County Water Resources Commissioner, participating from Farmington Hills, Michigan.

Gwen Markham, Chairperson of the Finance Committee, Oakland County Board of Commissioners, participating from Novi, Michigan.

ABSENT: David Woodward, Chairperson of the Oakland County Board of Commissioners.

Minutes of the meeting held November 17, 2020 were presented for consideration. It was moved by Markham, supported by Nash, that the minutes be approved.

ROLL CALL VOTE:

NASH: AYE

MARKHAM: AYE

Chairperson Nash asked if there were any public comments. There were none.

A request for approval of payment of invoices and reimbursement of the Drain Revolving Fund in the amount of \$7,850.32 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and reimbursement of the Drain Revolving Fund in the amount of \$7,850.32.

ROLL CALL VOTE:

NASH: AYE

MARKHAM: AYE

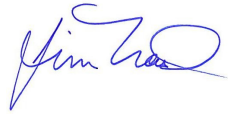
It was moved by Nash, supported by Markham, to certify attendance and authorize pro rata payment of \$25 per day to Ms. Markham.

ROLL CALL VOTE:

NASH: AYE

MARKHAM: AYE

There being no further business, the meeting was adjourned.

A handwritten signature in blue ink, appearing to read "Jim Nash", is positioned above a horizontal line.

Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Luz Relief Drains, Oakland County, Michigan, held on the 22nd day of June, 2021, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

I further certify that the notice of the meeting was posted at least 18 hours in advance of the meeting at the office of the Oakland County Water Resources Commissioner which is the principal office of the Drainage Board for the Luz Relief Drains.



Jim Nash, Chairperson

Dated: June 22, 2021

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**

MEMORANDUM

TO: Jim Nash, Chairperson of the Luz Relief Drains Drainage Board

FROM: Michael Walsh, P.E., Civil Engineer III

SUBJECT: General Summary of Project

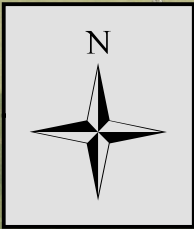
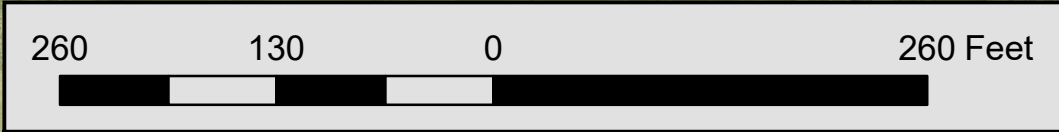
DATE: February 25, 2025

On December 9, 2024, the Board of Trustees for the Township of Bloomfield approved a petition to extend the Luz Relief Drains Drainage District. A certified copy of the petition was received by the Oakland County Water Resources Commissioner on January 21, 2025. The purpose of the drain extension project is to alleviate flooding in the area along Red Maple Lane south of West Maple Road and west of Lahser Road in Bloomfield Township.

At the direction of the Township, Hubbell, Roth & Clark, Inc. (HRC) completed a preliminary study and estimated the project cost to be between \$600,000 and \$800,000. A conceptual map showing the drainage area, including both the existing and proposed storm drain in the project area, is attached for your review.

Design of the project will be completed as soon as practicable with construction expected to be completed by the end of 2026.

Requested Action: Receive and file.



Legend

- Proposed Storm Structure
- Proposed Storm Sewer
- Existing Storm Structure
- Existing Storm Sewer
- Drainage Area



At a regular meeting of the Township Board of the Charter Township of Bloomfield, Oakland County, Michigan held on December 9, 2024.

PRESENT: Mike McCready, Martin Brook, Michael Schostak, Mark Antakli, Neal Barnett,

Christopher Kolinski, and Valerie Murray

ABSENT: None

The following resolution was offered by Antakli and seconded by Murray:

BE IT RESOLVED BY THE TOWNSHIP BOARD OF THE CHARTER TOWNSHIP OF BLOOMFIELD, OAKLAND COUNTY, MICHIGAN, as follows:

1. That the Charter Township of Bloomfield make and cause to be filed a petition in form substantially as follows:

PETITION

TO THE DRAINAGE BOARD FOR THE
HEREINAFTER MENTIONED OAKLAND
COUNTY, MICHIGAN DRAIN PROJECT


The undersigned public corporation hereby petitions for the location, establishment and construction of an intra-county drain project consisting of extending the Luz Relief Drain by adding a branch to said Drain, which drain project is necessary for the public health, will be located in the Charter Township of Bloomfield and will serve property located entirely within the limits of the Charter Township of Bloomfield. The Luz Relief Drain carries stormwater originating in the County of Oakland only.

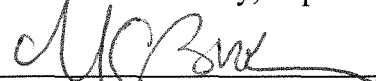
This petition is filed pursuant to the provisions of Chapter 20 of Act No. 40 of the Public Acts of Michigan of 1956, as amended.

It is understood and agreed that the entire cost of the drain project is to be assessed against public corporations including this petitioner.

A certified copy of the resolution of the governing body of the Charter Township of Bloomfield authorizing execution of this petition is attached hereto.

CHARTER TOWNSHIP OF BLOOMFIELD

By: 
Mike McCready, Supervisor

By: 
Martin Brook, Clerk

2. That the Supervisor and Township Clerk are authorized and directed to execute the petition for and on behalf of the Charter Township of Bloomfield and to file the same with the Water Resources Commissioner of the County of Oakland.

3. That the Township Board hereby consents to the assessment of part of the cost of the drain project, so located, against the Charter Township of Bloomfield and hereby agrees that it will pay its share of all costs incurred by the Oakland County Water Resources Commissioner or by the Drainage District in the event the drain project, for any reason, is not completed.

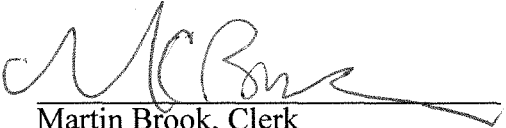
4. That all prior resolutions and parts of resolutions insofar as they conflict with the provisions of this resolution are hereby rescinded.

ADOPTED: Yeas - Antakli, Barnett, Brook, Kolinski, McCready, Murray, and Schostak

Nays - None

STATE OF MICHIGAN)
)SS
COUNTY OF OAKLAND)

I hereby certify that that foregoing is a true and complete copy of a resolution adopted by the Township Board of the Charter Township of Bloomfield, Oakland County, Michigan, at a regular meeting held on December 9, 2024, the original of which is on file in my office. I certify further that notice of the meeting was given in accordance with the open meetings act.


Martin Brook, Clerk
Charter Township of Bloomfield



DRAINAGE BOARD FOR THE LUZ RELIEF DRAINS
FIRST MEETING FOR NEW DRAIN PROJECT

FEBRUARY 25, 2025

The first meeting of the Drainage Board for the hereinafter mentioned Oakland County, Michigan drain project was held at the office of the Oakland County Water Resources Commissioner, Waterford, Michigan on February 25, 2025.

PRESENT: _____

ABSENT: _____

The meeting was called to order by the Chairperson. The Chairperson presented to the Drainage Board the petition referred to in the following resolution, attached to which petition was a certified copy of the resolution of the governing body of the public corporation signing the same, authorizing the execution of the petition. The Chairperson stated that the petition with the attached resolution was filed in his office on January 21, 2025, by the Charter Township of Bloomfield.

The following resolution was offered by _____ and seconded by _____:

BE IT RESOLVED BY THE DRAINAGE BOARD FOR THE HEREINAFTER MENTIONED OAKLAND COUNTY, MICHIGAN DRAIN PROJECT, as follows:

1. That this Drainage Board has considered the petition and attached resolution filed with the Oakland County Water Resources Commissioner on January 21, 2025 by the Charter Township of Bloomfield, which petition is as follows:

2. That this Drainage Board determines that the stormwater to be carried by the proposed drain project originates in the County of Oakland only; and that the drain project is necessary for the public health.

3. That this Drainage Board tentatively determines that the petition is sufficient; that the drain project proposed therein is practical; and that the following public corporations be assessed to pay the cost of the project to wit:

Charter Township of Bloomfield
County of Oakland – on account of drainage of county highways

4. That the name “LUZ RELIEF DRAINS EXTENSION” is hereby given to the drain project and the name “LUZ RELIEF DRAINS EXTENSION DRAINAGE DISTRICT” is hereby confirmed for the drainage district therefor.

5. That this Drainage District shall meet on the ____ day of _____, 2025, at ____:____.m., prevailing Eastern Time at the Office of the Oakland County Water Resources Commissioner, Waterford, Michigan for the purpose of hearing any objections to the aforementioned drain project, to the petition therefor, and to the matter of assessing the cost of the drain project to the public corporations above named.

6. That a notice of said meeting shall be prepared which notice shall contain the information required by the Drain Code and shall be published twice in The Oakland Press, a newspaper published in the County of Oakland, State of Michigan, the first publication to be not less than twenty (20) days prior to the time of the hearing.

7. That the notice shall be sent by registered or certified mail to the Clerk of the Charter Township of Bloomfield, the Clerk of the County of Oakland, and the Secretary of the Road Commission for Oakland County, which mailing shall be made not less than twenty (20) days prior to the time of the hearing.

ADOPTED: Yeas - _____

Nays - _____

8. It was moved by _____ and supported by _____ that the following be appointed to act in the following capacities in connection with the proposed drain project:

Dickinson Wright PLLC, Troy, Michigan, as bond counsel, in the event bonds are issued to finance the proposed drain project.
Hubbell, Roth & Clark, Inc., as engineers.

ADOPTED: Yeas -
Nays -

Upon motion by _____, seconded by _____ and unanimously adopted, the meeting was adjourned.

Chairperson

February 25, 2025

STATE OF MICHIGAN)
)SS
COUNTY OF OAKLAND)

I hereby certify that the foregoing is a true and complete copy of the minutes of a meeting of the Drainage Board for the Luz Relief Drains Extension, Oakland County, Michigan, held on February 25, 2025, and that the minutes are on file in the offices of the Oakland County Water Resources Commissioner and are available to the public.

I further certify that notice of the meeting was given in accordance with the Open Meetings Act.

Chairperson of the Drainage Board

Dated: February 25, 2025

4926-0623-7971 v2 [9007-444]

2. Clinton River Water Resource Recovery Facility

AGENDA
DRAINAGE BOARD FOR
THE CLINTON RIVER WATER RESOURCE RECOVERY FACILITY

February 25, 2025

1. Call meeting to order
2. Approve minutes of meeting of January 28, 2025
3. Public Comments
4. Present Memorandum from Razik Alsaigh, P.E., Civil Engineer III, dated February 25, 2025, requesting the Board accept Gallagher's insurance coverage proposal for the Drainage District's Optimization Phase II Project at a cost of \$1,012,512.51 covering the duration of the 3-year construction project
5. Present Memorandum from Carrie Cox, P.E., Special Projects Manager and Michael Daniels, Chief WRC Water Resource Recovery, Clinton River WRRF, dated February 25, 2025, requesting the Board receive and file the 2025 CRWRRF Asset management Plan
6. Present Memorandum from John Basch, Drainage District Legal Counsel, dated February 25, 2025, requesting the Board receive and file the Crown Dutton Holdings, LLC. signed consent agreement update
7. Present Change Order No. 6 for Clark Construction Company for Construction of the Optimization Phase I Project for a net increase in the amount of \$35,071
8. Present Construction Estimate No. 7 for Clark Construction Company for Construction of the Optimization Phase I Project in the amount of \$576,024.15 with a transfer to the Oakland County Treasurer in the amount of \$64,002.68
9. Present Construction Estimate No. 1 for Clark Construction Company for Construction of the Optimization Phase II Project in the amount of \$226,476.90 with a transfer to the Oakland County Treasurer in the amount of \$25,164.10
10. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund from the Maintenance Fund in the amount of \$224,187.74
11. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund from the Construction Fund in the amount of \$93,766.61
12. Other business

13. Approve pro rata payment to Drainage Board members
14. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE CLINTON RIVER WATER RESOURCE RECOVERY FACILITY**

January 28, 2025

A meeting of the Drainage Board for the Clinton River Water Resource Recovery Facility was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 28th day of January 2025.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

Gwen Markham, Chairperson of the Finance Committee, Oakland County Board of Commissioners

ABSENT: David Woodward, Chairperson of the Oakland County Board of Commissioners

Minutes of the meeting held December 17, 2024, were presented for consideration. It was moved by Markham, supported by Nash, that the minutes be approved.

ADOPTED: Yeas - 2
Nays - 0

Chairperson Nash asked if there were any public comments. There were none.

A memorandum from Razik Alsaigh, P.E., Civil Engineer III, dated January 28, 2025, requesting the Board authorize the Chairperson to sign the contract between the Drainage District and Andritz Separation Inc. in the amount of \$241,395 for centrifuge preventive maintenance and as-needed repair was presented. It was moved by Markham, supported by Nash to authorize the Chairperson to sign the contract between the Drainage District and Andritz Separation Inc. in the amount of \$241,395 for centrifuge preventive maintenance and as-needed repair as presented.

ADOPTED: Yeas - 2
Nays - 0

Change Order No. 5 for Clark Construction Company for Construction of the Optimization Phase 1 Project for a net increase in the amount of \$29,086 was presented. It was moved by Markham, supported by Nash, to approve Change Order No. 5 for Clark Construction Company for Construction of the Optimization Phase 1 Project for a net increase in the amount of \$29,086 as presented.

ADOPTED: Yeas - 2
Nays - 0

Construction Estimate No. 6 for Clark Construction Company for Construction of the Optimization Phase 1 Project in the amount of \$658,568.16 with a transfer to the Oakland County Treasurer in the amount of \$73,174.24 was presented. It was moved by Markham, supported by Nash, to approve Construction Estimate No. 6 for Clark Construction Company for Construction of the Optimization Phase 1 Project in the amount of \$658,568.16 with a transfer to the Oakland County Treasurer in the amount of \$73,174.24 as presented.

ADOPTED: Yeas - 2
Nays - 0

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund from the Maintenance Fund in the amount of \$316,649.72 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund from the Maintenance Fund in the amount of \$136,649.72.

ADOPTED: Yeas - 2
Nays - 0

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund from the Construction Fund in the amount of \$92,943.37 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund from the Construction Fund in the amount of \$92,943.37.

ADOPTED: Yeas - 2
Nays - 0

It was moved by Nash, supported by Markham, to certify attendance and authorize pro rata payment of \$25 per day to Ms. Markham.

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.

Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Clinton River Water Resource Recovery Facility, Oakland County, Michigan, held on the 28th day of January 2025, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

I further certify that the notice of the meeting was posted at least 18 hours in advance of the meeting at the office of the Oakland County Water Resources Commissioner which is the principal office of the Drainage Board for the Clinton River Water Resource Recovery Facility.

Jim Nash, Chairperson

Dated: January 28, 2025

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER****MEMORANDUM**

TO: Jim Nash, Chairperson of the Clinton River Water Resource Recovery Facility
Drainage District Board

FROM: Razik Alsaigh, P.E., Civil Engineer III

SUBJECT: Premium Fee for Owner-Controlled Insurance for the Clinton River Water
Resource Recovery Facility Optimization Phase II Project

DATE: February 25, 2025

Arthur J. Gallaher Risk Management Services, LLC., has scoured the insurance market in search of commercially available coverage pursuant to its 2024 contract with the drainage district. As the district's insurance consultant, it has secured owner-controlled insurance protection covering the 3-year duration of the Clinton River Water Resource Recovery Facility Phase II Project.

The attached copy of the proposal details an extensive array of insurance coverage including general liability, excess liability, environmental liability, builder's risk, and owners' protective professional indemnity insurance. This policy will be used to provide insurance coverage for the prime contractor and various subcontractors working on the project. The \$1,012,512.51 premium, which is included in the overall project budget, provides coverage for the entire three years of construction activities.

Requested Action: Accept Gallagher's insurance coverage proposal for the Clinton River Water Resource Recovery Facility Optimization Phase II Project at a cost of \$1,012,512.51 covering the duration of the 3-year construction project.



Proposal for OCIP Insurance for CRWRRF Plant Optimization Phase II Project

Clinton River Water Resource Recovery Facility Drainage District

One Public Works Drive, Bldg. 95 West
Waterford, MI 48328

Presentation Date: February 3, 2025

Arthur J Gallagher Risk Management Services, LLC
AJG License Nos. IL 100292093 / CA 0D69293



Gallagher

Insurance | Risk Management | Consulting

Clinton River Water Resource Recovery Facility Drainage District

Proposal Summary

In accordance with the approved Contract for Insurance Consultant and Agency Services Amendment #1 dated August 28, 2024, Arthur J. Gallagher & Co. has marketed your OCIP insurance program and developed the following OCIP insurance proposal for coverages to begin March 1st, 2025.

This proposal provides coverage highlights along with the attached carrier quotations for the following OCIP Insurance coverages for the Clinton River Water Resource Recovery Facility Plant Optimization Phase II Project for the full expected duration of the project, which is March 1st, 2025 to March 1st, 2028.

- Builders Risk
- General Liability
- \$5M X Primary Excess Liability
- \$5M X \$5M Excess Liability
- \$7.5M Part of \$15M X \$10M Excess Liability
- \$7.5M Part of \$15M X \$10M Excess Liability
- \$12.5M Part of \$25M X \$25M Excess Liability
- \$12.5M Part of \$25M X \$25M Excess Liability
- Owners Protective Professional Indemnity Liability
- Contractors Pollution Liability

Information contained in this proposal is intended to provide a brief overview of coverages. It should be used for reference purposes only. It is not intended to provide a full list of policy exclusions, limitations, and conditions. The provided quotes should be reviewed for further details. Coverage afforded to you is subject to all terms, conditions, and exclusions of the bound and issued policies.

To Bind Coverage:

Please refer to the attachment document titled, ***“Client Authorization to Bind Coverage”***:

- Note any changes you desire to be made
- Place a check mark next to the coverage(s) you wish to accept
- Date and Sign
- Return prior to the effective date of coverage

Thank you for allowing Gallagher to service your insurance needs. We appreciate your business and look forward to working with you throughout the term of this project. Please contact me if you have any questions.

Sincerely,

Salvatore Saputo

Sal Saputo
Executive Vice President

Enclosure



Clinton River Water Resource Recovery Facility Drainage District



Your Gallagher Team

Your Gallagher team is a true partner. We have the expertise to understand your business and we're here to service and stay alongside you, every step of the way.

<i>Service Team</i>	<i>Role</i>	<i>Email</i>	<i>Phone</i>
Salvatore Saputo Executive Vice President	Producer	Salvatore_Saputo@ajg.com	(248) 943-1317 (p)
Patrick Kennedy Account Executive	Account Executive	Patrick_Kennedy1@ajg.com	(248) 719-3552 (p)
Phillip Anderson Account Manager	Client Service Manager	Phillip_Anderson@ajg.com	(248) 204 8569 (p)

Named Insured Schedule

Named Insured Schedule
Clinton River Water Resource Recovery Facility Drainage District
The Oakland County Water Resources Commissioner

Note: Any entity not named in this proposal may not be an insured entity. This may include affiliates, subsidiaries, LLCs, partnerships, and joint ventures.

Clinton River Water Resource Recovery Facility Drainage District

Premium Summary

The estimated program cost for the options are outlined in the following table:

Line of Coverage		Proposed
		ACE American Insurance Company
Builders Risk	Premium	\$210,348.00
	Estimated Cost*	\$210,348.00
	Change (\$)	
	Change (%)	
		Everest Indemnity Insurance Company
General Liability (\$2M/\$4M)	Premium	\$184,258.10
	Estimated Cost*	\$184,258.10
	Change (\$)	
	Change (%)	
		Everest Indemnity Insurance Company
\$5M X Primary Excess Liability	Premium	\$119,767.15
	Estimated Cost*	\$119,767.15
	Change (\$)	
	Change (%)	
		Steadfast Insurance Company
\$5M X \$5M Excess Liability	Premium	\$62,115.00
	Estimated Cost*	\$62,115.00
	Change (\$)	
	Change (%)	
		Arch Specialty Insurance Company
\$7.5M Part of \$15M X \$10M Excess Liability (Arch Specialty)	Premium	\$65,343.75
	Estimated Cost*	\$65,343.75
	Change (\$)	
	Change (%)	
		Gotham Insurance Company
\$7.5M Part of \$15M X \$10M Excess Liability (Gotham)	Premium	\$65,343.75
	Estimated Cost*	\$65,343.75
	Change (\$)	
	Change (%)	
\$12.5M Part of \$25M X \$25M Excess Liability (Endurance)	Premium	\$69,879.38
	Estimated Cost*	\$69,879.38
	Change (\$)	
	Change (%)	
\$12.5M Part of \$25M X \$25M Excess Liability (Navigators)	Premium	\$69,879.38
	Estimated Cost*	\$69,879.38
	Change (\$)	
	Change (%)	
		Berkley Assurance Company
\$5M Owners Protective Professional Indemnity	Premium	\$97,375.00
	Estimated Cost*	\$97,375.00
	Change (\$)	
	Change (%)	

Clinton River Water Resource Recovery Facility Drainage District

Line of Coverage		Proposed
		Nautilus Insurance Company
\$10M Contractors Pollution Liability	Premium	\$68,203.00
	Estimated Cost*	\$68,203.00
	Change (\$)	
	Change (%)	
Total Cost		\$1,012,512.51

*Estimated Cost includes all taxes, fees, surcharges and TRIA premium (if applicable)

Premiums are due and payable as billed and may be financed, subject to acceptance by an approved finance company. Following acceptance, completion (and signature) of a premium finance agreement with the specified down payment is required. Note: Unless prohibited by law, Gallagher may earn compensation for this optional value-added service.

Gallagher is responsible for the placement of the following lines of coverage: Builders Risk, General Liability, Umbrella, Excess Liability, Professional Liability, Pollution Liability, Property, other fee types

It is understood that any other type of exposure/coverage is either self-insured or placed by another brokerage firm other than Gallagher. If you need help in placing other lines of coverage or covering other types of exposures, please contact your Gallagher representative.

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**

MEMORANDUM

TO: Jim Nash, Chairman
Drainage Board for the Clinton River Water Resource Recovery Facility (CRWRRF)

FROM: Carrie Ricker Cox, P.E. – Special Projects Manager
Michael B. Daniels – Chief WRC Water Resource Recovery, Clinton River WRRF

SUBJECT: Annual Asset Management Plan

DATE: February 25, 2025

The Clinton River Water Resource Recovery Facility (and Pontiac Sewer Disposal System) are under a National Pollutant Discharge Elimination System (NPDES) permit which has asset management program requirements. One of these requirements is to provide a written report annually that summarizes the asset management activities completed during the previous year. The report is required to include:

1. A description of staffing levels for previous year
2. A description of inspection, maintain and corrective actions
3. Expenditures for collection and treatment work maintenance activities, corrective action and capital improvements
4. Summary of assets identified for inspection or action (including capital improvement) for the upcoming year
5. Maintenance Budget and capital improvement budget for upcoming year
6. Updated asset inventory
7. Updated Operations, Maintenance and Replacement (OM&R) budget with an updated rate schedule

The attached Asset Management Plan meets all requirements of the NPDES permit.

Recommended Actions:
Receive and File the 2025 CRWRRF Asset Management Plan



Oakland County Clinton River WRRF & Pontiac Collection System Annual Report

AMP Submittal (NPDES No. MI0023825)

December 19, 2024

Contents

1.	Introduction	1
2.	Asset Management Plan Annual Reporting Requirements	1
2.1	Staffing	1
2.2	Inspection, Maintenance and Corrective Action Activities.....	1
2.3	Assets/Areas Identified for Inspection/Action.....	2
2.4	Capital Improvement Budget and Maintenance Budget	3
2.5	Asset Inventory	6
2.6	Operations, Maintenance & Replacement Budget	6

Tables

Table 1.....	Work Order Summary
Table 2.....	CRWWRF Capital Expenses and Reserves
Table 3.....	Pontiac Collection System Capital Expenses and Reserves

Charts

Chart 1.....	POC SDS Inspection Status
--------------	---------------------------

Appendices

Appendix A.....	Staff Information
Appendix B	Long Range Planning and Collection System Projects
Appendix C	Maintenance and Debt Assessment
Appendix D.....	Asset Summary & Service Area Map
Appendix E	Sewer Rates

1. Introduction

The Oakland County Water Resources Commissioner (WRC) operates the Clinton River Water Resource Recovery Facility (CRWRRF) and the Pontiac Collection System. The WRRF operates under the National Pollutant Discharge Elimination System (NPDES) Permit No. MI0023825 which expires on October 1, 2025.

The treatment facility underwent a name change and is now known as the Clinton River Water Resource Recovery Facility. Due to the transitional nature in changing names, some of the information presented may be under the Pontiac WWTF name or it will be under the CRWRRF name. They function as the same facility. The collection system is still known as the Pontiac Collection System.

The following Annual Report was prepared as part of the Asset Management Requirements in the NPDES Permit, Part I, Section A.10.b.

2. Asset Management Plan Annual Reporting Requirements

The following information summarizes the asset management activities completed during the previous fiscal year, October 1, 2023, to September 30, 2024, and plans for the upcoming years.

2.1 Staffing

The CRWRRF is operated 24 hours a day, 7 days a week, 365 days a year. The facility maintains adequate staffing. We are still seeking to strategically fill critical leadership positions and have been actively recruiting for those positions. The sewer collection system also maintains adequate staffing. Refer to Appendix A for the current staffing of the CRWRRF and the collection system.

2.2 Inspection, Maintenance and Corrective Action Activities

The WRC uses a Collaborative Asset Management System (CAMS) to track work order history. This work order system began implementation in 2018 as part of the office's asset management plan. WRC uses different work order types to track Predictive, Preventive and Corrective Action work activities in CAMS. Predictive work orders capture activities designed to help determine the condition of in-service assets to estimate when maintenance should be performed. This includes techniques such as vibration analysis and thermal imaging as well as formal condition assessment evaluations. Preventive work orders are used to record maintenance tasks that avoid or mitigate the failure of an asset and intend to prevent failure from occurring so the asset will reach its intended useful life. These are tasks such as oil/filter changes, cleaning and general maintenance. Corrective work orders record the repair, partial rebuilding and replacement of an asset. Table 1 shows the quantity of these work orders for both the CRWRRF and the Pontiac Collection System as well as completion costs for the period from October 1, 2023, to September 30, 2024. Staff continues to receive training to ensure costs are captured correctly. As seen below, we are beginning to collect data that can be used to make decisions directing investment of labor and other resources.

Table 1. Work Order Summary

	<i>CRWRRF</i>		<i>Pontiac Collection System</i>	
<i>Work Order Type</i>	<i># of Work Orders</i>	<i>Cost</i>	<i># of Work Orders</i>	<i>Cost</i>
Predictive Maintenance*	50	\$ 108,897.30	1,202	\$ 577,908.63
Preventive Maintenance	1,991	\$ 393,430.54	85	\$ 33,865.02
Corrective Maintenance	415	\$ 822,689.90	522	\$ 2,146,798.65

*Asset inspections are included as part of Predictive Maintenance

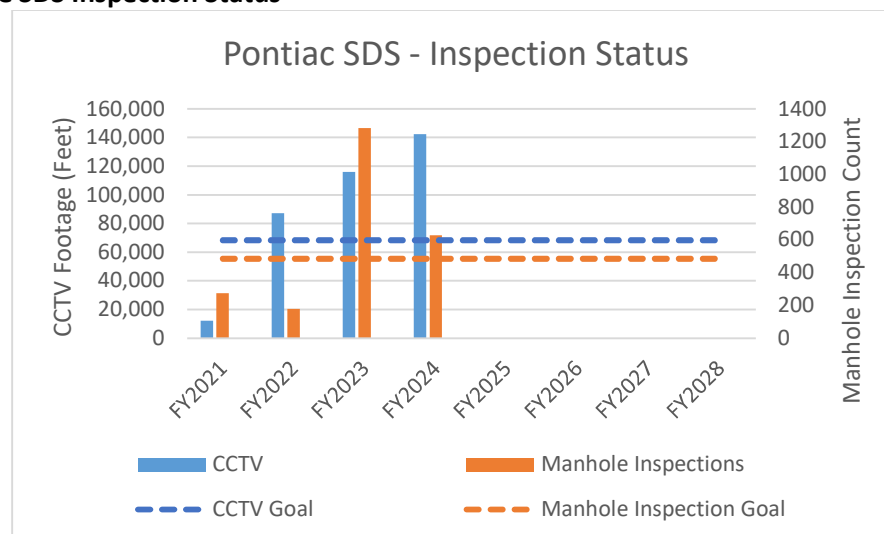
2.3 Assets/Areas Identified for Inspection/Action

Each year, the WRC reviews and implements a Long Range Plan (LRP) that identifies critical equipment in need of major maintenance or capital improvement. Traditionally, this CRWRRF equipment was identified through conversations with field staff and inspections/studies performed on the system. The asset management software captures additional information on key assets including probability of failure and consequence of failure. This additional information is also considered as assets are reviewed for further inspection and/or improvement. CRWRRF LRPs for fiscal years 2025 through 2030 are shown in Appendix B.

The Pontiac Collection System also uses the LRP process to identify major maintenance and capital projects such as pipe lining, replacement, grouting, pipe patching and pump station improvements. An overview of collection system projects with work planned to occur in the 2025 through 2030 fiscal years are also shown in Appendix B.

Additionally, this office is working to complete inspections of manhole and gravity main assets within the City of Pontiac. In this seven year plan, 2022 through 2028, WRC will perform condition assessments on those assets lacking inspection information. WRC's goal is to inspect 486 manholes and 68,349 feet of gravity main each fiscal year. At the close of the FY2024 fiscal year, approximately 75% of manholes and 87% of gravity main (by length) have been inspected. The following chart summarizes the current status.

Chart 1. POC SDS Inspection Status



2.4 Capital Improvement Budget and Maintenance Budget

Capital improvement costs are captured through our Reserve Programs. Our reserve programs are based on our fiscal year which runs from October 1 through September 30. These costs are for revenue financed projects and do not include capital costs funded by bonds, grants or loans. Capital costs for both the CRWRRF and the Pontiac Collection System are presented below. Major Maintenance expenses and projects are provided in Appendix B.

Table 2. CRWRRF Capital Expenses and Reserves

Item Description	FY 2024 Budgeted*	FY 2025 Proposed	FY 2026 Projected
CRWRRF Auburn Lab Equipment	\$15,000	\$25,000	\$15,000
CRWRRF I&C Improvements and Replacements	\$30,000	\$45,000	\$20,000
CRWRRF Auburn MAHL Analysis	\$175,000	\$162,000	\$0
CRWRRF Auburn Waterline Loop (Waterline Metering Stations)	\$450,000	\$400,000	\$154,739
CRWRRF Security Upgrades	\$25,000	\$150,000	\$50,000
CRWRRF East Blvd. Aeration Blower 125hp	\$20,000	\$0	\$0
CRWRRF East Blvd. Blower Building SCADA Signals	\$0	\$480,000	\$30,000
CRWRRF East Blvd. Replace Engineered Gates	\$100,000	\$200,000	\$100,000
CRWRRF Optimization (Ph 1 - Electrical Improvements & CoGen)	\$10,000,000	\$15,000,000	\$14,000,000
CRWRRF Plant SCADA Assistance	\$75,000	\$20,000	\$20,000
CRWRRF Repair/Replace Plant Samplers	\$5,000	\$10,000	\$10,000
CRWRRF Secondary Treatment Optimization (Ph 2 - Wet Weather Capacity)	\$4,000,000	\$10,100,000	\$13,000,000
CRWRRF Sewage Meter Replacements	\$100,000	\$0	\$20,000
CRWRRF Unplanned Capital Improvement Program	\$250,000	\$250,000	\$250,000
CRWRRF Vehicle and Equipment Replacement Program	\$150,000	\$150,000	\$150,000
CRWRRF Asset Mgmt Software Implementation	\$0	\$50,926	\$0
CRWRRF Auburn Renovate Tertiary Treatment	\$0	\$150,000	\$150,000
CRWRRF Auburn Replace Digester 1 Seal	\$500,000	\$100,000	\$700,000
CRWRRF East Blvd. Replace Drain Pump - Blower Building	\$0	\$100,000	\$0
CRWRRF East Blvd. Replace Engineered Valves	\$100,000	\$100,000	\$0
CRWRRF East Blvd. Replace Flow Meter Downlookers	\$0	\$20,000	\$0
CRWRRF East Blvd. Replace Aeration Blower, Motors for Blowers, Waukesha	\$0	\$0	\$250,000
CRWRRF Auburn Additional Biodrying	\$0	\$50,000	\$750,000
CRWRRF Replace Chemical Pumps	\$0	\$30,000	\$30,000
CRWRRF WWW Pit Pumps & Piping	\$100,000	\$0	\$0
CRWRRF East Blvd. Odor Control Improvements	\$0	\$0	\$100,000
CRWRRF East Blvd. Replace EQ Basin Processor Panel	\$0	\$0	\$20,000
CRWRRF East Blvd. Replace Main Access Drive	\$0	\$0	\$20,000
CRWRRF East Blvd. Replace Mixers for Aeration Tanks 1 & 2	\$0	\$0	\$75,000
CRWRRF East Blvd. Replace RAS & WAS Pumps	\$0	\$0	\$100,000
CRWRRF East Blvd. SCADA Additions	\$100,000	\$0	\$0

Item Description	FY 2024 Budgeted*	FY 2025 Proposed	FY 2026 Projected
CRWRRF Vibration Analysis	\$10,000	\$0	\$10,000
CRWRRF Auburn Chemical Enhanced Primary Treatment (CEPT)	\$0	\$0	\$0
CRWRRF East Blvd. Replace Storage Pump	\$0	\$0	\$0
CRWRRF East Blvd. Replace Vehicle Bridge 1	\$0	\$0	\$0
CRWRRF Replace Backflow Preventors	\$0	\$0	\$0
CRWRRF Add Diffusers	\$110,000	\$0	\$0
CRWRRF Auburn Ultraviolet (UV) Treatment	\$0	\$0	\$0
CRWRRF East Blvd. Replace Secondary Clarifier 1 Flight Drive	\$0	\$0	\$0
CRWRRF East Blvd. Replace Well Pump Transformer	\$0	\$0	\$0
CRWRRF Auburn Replace Digester 2 Cover	\$0	\$0	\$0
CRWRRF East Blvd. Replace Secondary Clarifier 2 Flight Drive	\$0	\$0	\$0
CRWRRF ACO Storage Tank	\$0	\$0	\$0
CRWRRF East Blvd. Replace Secondary Clarifier 3 Flight Drive	\$0	\$0	\$0
Annual Capital Improvement Expense	\$16,315,000	\$27,592,926	\$30,024,739

* Actual costs are not yet available for FY2024. Costs shown reflect budgeted spend at the conclusion of FY2025 rate discussions.

Table 3. Pontiac Collection System Capital Expenses and Reserves

Item Description	FY 2024 Budgeted*	FY 2025 Proposed	FY 2026 Projected
POC SDS Ardmore Road Sewer Improvements	\$14,171	\$150,000	\$1,000,000
POC SDS ARPA/CWSRF Improvements (Contracts 1-5)	\$7,000,000	\$13,347,000	\$1,150,000
POC SDS Auburn Road Improvements	\$0	\$100,000	\$1,000,000
POC SDS Bagley/Golf Street Repavement Coordination	\$4,800,000	\$0	\$0
POC SDS Bay St/Silverdome Sewer & Pump Station Rehabilitation	\$500,000	\$987,435	\$0
POC SDS Gravity Main New Install/Replacement/Lining	\$1,820,000	\$1,200,000	\$2,700,000
POC SDS Lift Station Control Panel Replacements & VFDs	\$30,000	\$0	\$0
POC SDS MLK Cast Iron Force Main Replacement	\$3,250,000	\$2,944,576	\$0
POC SDS MLK & Granada Repavement Coordination	\$173,000	\$0	\$0
POC SDS Orchard Lake Road Repavement Coordination	\$285,244	\$0	\$0
POC SDS Ottawa Water Main	\$0	\$2,359,000	\$0
POC SDS Pike Street Repavement Coordination	\$180,000	\$0	\$0
POC SDS Project Performance Certification (PPC)	\$0	\$0	\$0
POC SDS Pump Station Planned Capital Improvements	\$53,000	\$278,000	\$150,000
POC SDS Road Coordination Projects	\$180,000	\$0	\$0
POC SDS Seminole Hills Water Main Coordination	\$2,000,000	\$500,000	\$0
POC SDS Unplanned Capital Improvement Program	\$320,000	\$0	\$0
POC SDS Woodward Loop Coordination	\$300,000	\$735,000	\$1,000,000
Annual Capital Improvement Expense	\$20,905,415	\$22,601,011	\$7,000,000

* Actual costs are not yet available for FY2024. Costs shown reflect budgeted spend at the conclusion of FY2025 rate discussions.

The budget for Operating Expenses as well as the Major Maintenance, Emergency, and Capital Improvement Reserves are noted on the *Maintenance and Debt Assessment Recommendation* sheets shown in Appendix C.

2.5 Asset Inventory

The asset inventory for the CRWRRF and the Pontiac Collection System is kept in our GIS system and is managed by the Mapping Services unit with input from the Operations team. As projects are completed and assets are added/removed, the GIS database is updated. An asset summary for both systems are shown in Appendix D, as well as a map of the CRWRRF and Pontiac Collection System.

2.6 Operations, Maintenance & Replacement Budget

Refer to the attached facility assessments in Appendix C and the sewer Billing Summary in Appendix E. There are currently sufficient revenues to fund system maintenance and capital improvement activities in both the CRWRRF and the Pontiac Collection System.

Appendix A

Staff Information

Appendix A: Staff Information

Employees in Classification By Unit		Total # Employees in Classification		
Unit	Classification	9/30/2022	9/30/2023	9/30/2024
CRWRRF	Assistant Chief WRC Water Resource Recovery	1	1	1
CRWRRF	Boiler Mechanic WRC	1	1	1
CRWRRF	Chemist	1	2	2
CRWRRF	Chief WRC Water Resource Recovery	1	1	1
CRWRRF	Civil Engineer III	1	1	1
CRWRRF	Cross Connection & Pre-Treatment Coordinator	1	1	1
CRWRRF	Electronics Technician III	0	0	0
CRWRRF	Engineering Systems Coordinator	1	1	1
CRWRRF	Lead Chemist	0	0	0
CRWRRF	Pump Maintenance Mechanic I	3	3	1
CRWRRF	Pump Maintenance Mechanic II	2	1	3
CRWRRF	Pump Maintenance Supervisor II	1	1	1
CRWRRF	Water Resource Recovery Operator I - CRWRRF	5	6	4
CRWRRF	Water Resource Recovery Operator II - CRWRRF	4	5	6
CRWRRF	Water Resource Recovery Operator Trainee - CRWRRF	3	1	1
CRWRRF	Water Resource Recovery Supervisor I - CRWRRF	3	3	1
CRWRRF	Water Resource Recovery Supervisor II - CRWRRF	2	1	3
CRWRRF	Skilled Maintenance Carpenter	0	1	1
CRWRRF	Skilled Maintenance Electrician	0	1	1
CRWRRF	Skilled Maintenance Plumber	1	1	1
CRWRRF	Technical Office Specialist	1	1	1
CRWRRF	WRC Industrial Pre-Treatment Supervisor	1	1	1
CRWRRF	WRC Crew Leader - CRWRRF	0	0	1
Sewer Maintenance	Automobile Mechanic II	1	1	1
Sewer Maintenance	Engineering System Coordinator	1	1	2
Sewer Maintenance	Engineering Technician	1	1	0
Sewer Maintenance	Maintenance Laborer - WRC	8	5	3
Sewer Maintenance	Maintenance Mechanic I	4	7	5
Sewer Maintenance	Maintenance Mechanic II	5	4	6
Sewer Maintenance	Office Support Clerk	1	0	0
Sewer Maintenance	Sewer Maintenance Supervisor I	3	3	3
Sewer Maintenance	Sewer Maintenance Supervisor II	1	1	1
Sewer Maintenance	Technical Office Specialist	0	1	1
Sewer Maintenance	WRC Crew Leader - Water & Sewer	4	4	3

Appendix B

Long Range Planning and Collection System Projects

Appendix B: Long Range Planning and Collection System Projects

Clinton River Water Resource Recovery Facility

Projected Expenditures

Major Maintenance Reserve						
Description	FY 2025 Proposed	FY 2026 Projected	FY 2027 Projected	FY 2028 Projected	FY 2029 Projected	FY 2030 Projected
CRWRRF 360 Water Training	\$ 10,000	\$ 60,000	\$ 60,000	\$ 10,000	\$ 10,000	\$ 10,000
CRWRRF East Blvd. Repair Access Drives	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ -	\$ -
CRWRRF Pump Rebuilds FY2021	\$ 70,000	\$ 70,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
CRWRRF Valve & Gate Replacements	\$ 90,000	\$ 90,000	\$ 70,000	\$ 60,000	\$ 60,000	\$ 50,000
CRWRRF Auburn Evaluate & Repair Contact Tanks	\$ 400,000	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -
CRWRRF Auburn Repair Primary Clarifier Tank 3 Floor	\$ -	\$ -	\$ 200,000	\$ 200,000	\$ -	\$ -
CRWRRF Auburn Repair Rexnord Gear Boxes 1 & 3	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -
CRWRRF East Blvd. Overhead River Crossings	\$ 170,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -
CRWRRF East Blvd. Well House Repair	\$ 12,000	\$ 25,000	\$ -	\$ -	\$ -	\$ -
CRWRRF Facility Repairs	\$ 30,000	\$ 30,000	\$ 30,000	\$ 40,000	\$ 40,000	\$ 40,000
CRWRRF Auburn Repair Centrifuge	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -
CRWRRF Auburn Repair Sodium Hypochlorite Storage Tank	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -
CRWRRF Energy Study	\$ 133,875	\$ 34,639	\$ -	\$ -	\$ -	\$ -
CRWRRF PowerPlan Support Cost	\$ 155,061	\$ 159,713	\$ 164,504	\$ 169,439	\$ 174,522	\$ 179,758
CRWRRF Unplanned Major Maintenance	\$ 200,000	\$ 200,000	\$ 200,000	\$ 600,000	\$ 700,000	\$ 600,000
CRWRRF Effluent Meter Dye Testing	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -
CRWRRF Evaluate Sewage Flow Meters	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -
CRWRRF East Blvd. Blower Building Repair	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -
CRWRRF Evaluate & Repair Grit Blowers 1 & 2 and Motors	\$ 20,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -
CRWRRF Replace Ferrous Tank Level Indicators	\$ 28,000	\$ -	\$ -	\$ -	\$ -	\$ -
CRWRRF East Blvd. 2026 Electrical Assessment		\$ 10,000	\$ -	\$ -	\$ -	\$ -
CRWRRF East Blvd. Blower Building Replace Boiler		\$ 95,000	\$ -	\$ -	\$ -	\$ -
CRWRRF East Blvd. Condition Assessment		\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -
CRWRRF East Blvd. Evaluate & Repair Aeration Tank 1		\$ 30,000	\$ -	\$ -	\$ -	\$ -
CRWRRF East Blvd. Evaluate & Repair Aeration Tank 2			\$ 30,000	\$ -	\$ -	\$ -
CRWRRF Evaluate & Repair Chemical Tanks 1 & 2			\$ 20,000	\$ 20,000	\$ 20,000	\$ -
CRWRRF Gravity Main CCTV & Manhole Inspection			\$ 10,000	\$ 20,000	\$ -	\$ -
CRWRRF Process Improvement Study			\$ 500,000	\$ -	\$ -	\$ -
CRWRRF Project Performance Certification (PPC)			\$ 50,000	\$ -	\$ 1,000,000	\$ 450,000
CRWRRF East Blvd. Evaluate & Repair Aeration Tank 3				\$ 30,000	\$ -	\$ -
CRWRRF Rebuild Ferrous Containment Pump				\$ 5,000	\$ 5,000	\$ -
CRWRRF East Blvd. Evaluate & Repair Aeration Tank 4					\$ 30,000	\$ -
CRWRRF East Blvd. 2030 Electrical Assessment						\$ 10,000
CRWRRF Evaluate Sewage Flow Meters						\$ 20,000
Annual Major Maintenance Expense	\$ 1,743,936	\$ 1,749,352	\$ 1,884,504	\$ 1,204,439	\$ 2,089,522	\$ 1,409,758

Capital Reserve						
Description	FY 2025 Proposed	FY 2026 Projected	FY 2027 Projected	FY 2028 Projected	FY 2029 Projected	FY 2030 Projected
CRWRRF Auburn Lab Equipment	\$ 25,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000
CRWRRF I&C Improvements and Replacements	\$ 45,000	\$ 20,000	\$ 45,000	\$ 30,000	\$ 20,000	\$ 15,000
CRWRRF Auburn MAHL Analysis	\$ 162,000	\$ -	\$ -	\$ -	\$ -	\$ -
CRWRRF Auburn Waterline Loop (Waterline Metering Stations)	\$ 400,000	\$ 154,739	\$ -	\$ -	\$ -	\$ -
CRWRRF Security Upgrades	\$ 150,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
CRWRRF East Blvd. Blower Building SCADA Signals	\$ 480,000	\$ 30,000	\$ -	\$ -	\$ -	\$ -
CRWRRF East Blvd. Replace Engineered Gates	\$ 200,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
CRWRRF Optimization (Ph 1 - Electrical Improvements & CoGen)	\$ 15,000,000	\$ 14,000,000	\$ 5,519,926	\$ -	\$ -	\$ -
CRWRRF Plant SCADA Assistance	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
CRWRRF Repair/Replace Plant Samplers	\$ 10,000	\$ 10,000	\$ 20,000	\$ 20,000	\$ 10,000	\$ 10,000
CRWRRF Secondary Treatment Optimization (Ph 2 - Wet Weather)	\$ 10,100,000	\$ 13,000,000	\$ 12,900,000	\$ 5,480,350	\$ 5,000,000	\$ -
CRWRRF Sewage Meter Replacements	\$ -	\$ 20,000	\$ -	\$ 20,000	\$ -	\$ -
CRWRRF Unplanned Capital Improvement Program	\$ 250,000	\$ 250,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000
CRWRRF Vehicle and Equipment Replacement Program	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
CRWRRF Asset Mgmt Software Implementation	\$ 50,926	\$ -	\$ -	\$ -	\$ -	\$ -
CRWRRF Auburn Renovate Tertiary Treatment	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 1,000,000	\$ 1,000,000
CRWRRF Auburn Replace Digester 1 Seal	\$ 100,000	\$ 700,000	\$ 500,000	\$ -	\$ -	\$ -
CRWRRF East Blvd. Replace Drain Pump - Blower Building	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -
CRWRRF East Blvd. Replace Engineered Valves	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ -
CRWRRF East Blvd. Replace Flow Meter Downlookers	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -
CRWRRF East Blvd. Replace Aeration Blower 60, Motors for Blower	\$ -	\$ 250,000	\$ 200,000	\$ -	\$ -	\$ -
CRWRRF Auburn Additional Biodrying	\$ 50,000	\$ 750,000	\$ 750,000	\$ 50,000	\$ 50,000	\$ 50,000

Capital Reserve (continued)						
Description	FY 2025 Proposed	FY 2026 Projected	FY 2027 Projected	FY 2028 Projected	FY 2029 Projected	FY 2030 Projected
CRWRRF Replace Chemical Pumps	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ -	\$ -
CRWRRF East Blvd. Odor Control Improvements	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -
CRWRRF East Blvd. Replace EQ Basin Processor Panel	\$ -	\$ 20,000	\$ -	\$ -	\$ -	\$ -
CRWRRF East Blvd. Replace Main Access Drive	\$ -	\$ 20,000	\$ 300,000	\$ -	\$ 250,000	\$ -
CRWRRF East Blvd. Replace Mixers for Aeration Tanks 1 & 2	\$ -	\$ 75,000	\$ 75,000	\$ -	\$ -	\$ -
CRWRRF East Blvd. Replace RAS & WAS Pumps	\$ -	\$ 100,000	\$ 90,000	\$ -	\$ -	\$ -
CRWRRF Vibration Analysis	\$ -	\$ 10,000	\$ -	\$ 10,000	\$ -	\$ 10,000
CRWRRF Auburn Chemical Enhanced Primary Treatment (CEPT)	\$ -	\$ -	\$ 200,000	\$ 200,000	\$ -	\$ -
CRWRRF East Blvd. Replace Storage Pump	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ -
CRWRRF East Blvd. Replace Vehicle Bridge 1	\$ -	\$ -	\$ 350,000	\$ 50,000	\$ 150,000	\$ -
CRWRRF Replace Backflow Preventors	\$ -	\$ -	\$ 8,500	\$ 8,500	\$ 8,500	\$ -
CRWRRF Add Diffusers	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ 100,000
CRWRRF Auburn Ultraviolet (UV) Treatment	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000	\$ -
CRWRRF East Blvd. Replace Secondary Clarifier 1 Flight Drive	\$ -	\$ -	\$ -	\$ 550,000	\$ -	\$ -
CRWRRF East Blvd. Replace Well Pump Transformer	\$ -	\$ -	\$ -	\$ 56,000	\$ -	\$ -
CRWRRF Auburn Replace Digester 2 Cover	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 250,000
CRWRRF East Blvd. Replace Secondary Clarifier 2 Flight Drive	\$ -	\$ -	\$ -	\$ -	\$ 550,000	\$ -
CRWRRF ACO Storage Tank	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000
CRWRRF East Blvd. Replace Secondary Clarifier 3 Flight Drive	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 550,000
Annual Capital Improvement Expense	\$ 27,592,926	\$ 30,024,739	\$ 22,373,426	\$ 8,339,850	\$ 9,323,500	\$ 3,570,000

Pontiac Collection System
Projected Expenditures

Major Maintenance Reserve						
Description	FY 2025 Proposed	FY 2026 Projected	FY 2027 Projected	FY 2028 Projected	FY 2029 Projected	FY 2030 Projected
POC SDS CCTV Program	\$ 475,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 550,000	\$ 550,000
POC SDS Manhole Inspection	\$ 165,000	\$ 15,000	\$ 180,000	\$ 15,000	\$ 90,000	\$ 20,000
POC SDS Manhole Repairs	\$ 200,000	\$ 250,000	\$ 300,000	\$ 350,000	\$ 400,000	\$ 400,000
POC SDS Pipe Grouting	\$ 1,700,000	\$ 890,000	\$ 600,000	\$ 1,000,000	\$ 650,000	\$ -
POC SDS PowerPlan Support Cost	\$ 87,731	\$ 90,363	\$ 93,074	\$ 95,866	\$ 98,742	\$ 101,704
POC SDS Pump Station Planned Major Maintenance	\$ 50,000	\$ 105,000	\$ 25,000	\$ 20,000	\$ -	\$ 100,000
POC SDS Road Coordination Repairs	\$ -	\$ 336,000	\$ 700,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000
POC SDS Spot Repair	\$ 765,000	\$ 1,000,000	\$ 1,300,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000
POC SDS SRF Project Plan	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -
POC SDS System Wide Cleaning	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
POC SDS WSP Brick Sewer Assessment/Repair	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Major Maintenance Expense	\$ 3,547,731	\$ 3,196,363	\$ 3,708,074	\$ 3,990,866	\$ 3,798,742	\$ 3,181,704

Capital Reserve						
Description	FY 2025 Proposed	FY 2026 Projected	FY 2027 Projected	FY 2028 Projected	FY 2029 Projected	FY 2030 Projected
POC SDS Ardmore Road Sewer Improvements	\$ 150,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -
POC SDS ARPA/CWSRF Improvements (Contracts 1-5)	\$ 13,347,000	\$ 1,150,000	\$ -	\$ -	\$ -	\$ -
POC SDS Auburn Road Improvements	\$ 100,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -
POC SDS Bay St/Silverdome Sewer & Pump Station Rehabilitation	\$ 987,435	\$ -	\$ -	\$ -	\$ -	\$ -
POC SDS Gravity Main New Install/Replacement/Lining	\$ 1,200,000	\$ 2,700,000	\$ 4,200,000	\$ 4,500,000	\$ 5,250,000	\$ 5,250,000
POC SDS MLK Cast Iron Force Main Replacement	\$ 2,944,576	\$ -	\$ -	\$ -	\$ -	\$ -
POC SDS Ottawa Water Main	\$ 2,359,000	\$ -	\$ -	\$ -	\$ -	\$ -
POC SDS Pike Street Repavement Coordination	\$ -	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -
POC SDS Project Performance Certification (PPC)	\$ -	\$ -	\$ -	\$ 50,000	\$ 175,000	\$ -
POC SDS Pump Station Planned Capital Improvements	\$ 278,000	\$ 150,000	\$ -	\$ 212,000	\$ -	\$ 187,500
POC SDS Seminole Hills Water Main Coordination	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -
POC SDS Woodward Loop Coordination	\$ 735,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -
Annual Capital Improvement Expense	\$22,601,011	\$7,000,000	\$5,200,000	\$4,762,000	\$5,425,000	\$5,437,500

Appendix C

Maintenance and Debt Assessment

OAKLAND COUNTY WATER RESOURCES COMMISSIONER

OPERATIONS AND MAINTENANCE DIVISION

MAINTENANCE ASSESSMENT RECOMMENDATION FOR THE

Clinton River WRRF Drain

Assessment for current fund balance and the following year of expenses: July 1, 2024 through June 30, 2025

Last Assessment (\$):	\$ 11,152,790.00
Date last assessment approved:	3/28/23
Unreserved and Undesignated Fund Balance as of 1/31/24	\$ 1,629,384.14
Capital Improvement Reserves as of 1/31/24	878,061.63
Major Maintenance Reserves as of 1/31/24	(1,486,636.36)
Emergency Reserves as of 1/31/24	1,031,523.96
Funds Available as of February 1, 2024	<u>\$ 2,052,333.37</u>

OPERATIONS, MAINTENANCE & REPLACEMENT BUDGET for July 1, 2024 through June 30, 2025

Operating Expenses

Sewage Treatment	\$ 7,826,550.00
Sewer System Maintenance	\$ 121,970.00
Sewer System Engineering	\$ 195,050.00
Water Maintenance Unit	\$ 80.00
Septage Unloading Facility	\$ 23,300.00
Systems Control Unit	\$ 51,070.00
IPP	\$ 105,040.00
Laboratory	\$ 459,180.00
Mapping Unit	\$ 2,070.00
General and Administrative	\$ 1,675,160.00
Total Operating Expenses	\$ 10,459,470.00

Revenue Requirements

Operating Expense	\$ 10,459,470.00
Major Maintenance	\$ 1,437,090.00
Emergency Maintenance	\$ 200,000.00
Capital	\$ 433,250.00
Total Revenue Requirements	\$ 12,529,810.00
Non-Rate Revenue	\$ (586,460.00)
Rate Required Revenue	\$ 11,943,350.00

Recommended July 1, 2024 through June 30, 2025 assessment:

Total Anticipated Expenses for July 1, 2024 - June 30, 2025	\$ 11,943,350.00
Total Anticipated Funds Needed	<u>\$ 11,943,350.00</u>

TOTAL RECOMMENDED ASSESSMENT

\$ 11,943,350.00

Billings are to be at the end of the calendar quarters.

Prepared by: Leo Lease Date: 3/11/2024
 Leo Lease - Senior Financial Analyst

Approved by: Steven Korth Date: March 26, 2024
 Steve Korth, P.E. - Chief Manager, Water Resources Commissioner

SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE OF THE CLINTON RIVER WRRF DRAIN

Public Corporation	Percentage of Apportionment	Total Amount of Assessment
City of Pontiac	54.740%	\$ 6,537,789.79
Clinton-Oakland SDS	45.260%	\$ 5,405,560.21
Total	100.00000%	\$ 11,943,350.00

Assessment Due Date: To be collected on the following quarters: 9/30/2024, 12/31/2024, 3/31/2025 and 6/30/2025.

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Clinton River WRRF Drain for the period July 1, 2024 through June 30, 2025 in accordance with the direction of the Drainage Board and the statutory provisions applicable thereto.



Jim Nash
Chairman of the Drainage Board for the Clinton River WRRF Drain

The foregoing Special Assessment Roll for the maintenance of the Clinton River WRRF Drain was approved by the Drainage Board on March 26, 2024 .



Jim Nash
Chairman of the Drainage Board for the Clinton River WRRF Drain

**OAKLAND COUNTY WATER RESOURCES COMMISSIONER
OPERATIONS AND MAINTENANCE DIVISION
DEBT ASSESSMENT RECOMMENDATION FOR THE
Pontiac WWTF Drain**

Assessment for current fund balance and the following year of expenses: July 1, 2024 through June 30, 2025

	Debt Assessment
Last Assessment (\$):	\$ 2,615,390.00
Date last assessment approved:	3/28/23
Unreserved and Undesignated Fund Balance as of 1/31/2024	\$ (482,147.12)
Capital Improvement Reserves as of 1/31/2024	\$ 546,666.76
Major Maintenance Reserves as of 1/31/2024	\$ (16,875.61)
Emergency Maintenance as of 1/31/2024	\$ -
Funds Available as of February 1, 2024	<u>\$ 47,644.03</u>

DEBT SERVICE REQUIREMENT for July 1, 2024 through June 30, 2025

Revenue Requirements

Debt Service	\$ 4,785,930.00
Total Revenue Requirements	\$ 4,785,930.00
Non-Rate Revenue	\$ -
Rate Required Revenue	\$ 4,785,930.00

Recommended July 1, 2024 through June 30, 2025 assessment:

Total Anticipated Expenses for July 1, 2024 - June 30, 2025	\$ 4,785,930.00
Revenue from COSDS Contract	\$ (2,166,112.00)
Total Anticipated Funds Needed	<u>\$ 2,619,818.00</u>

TOTAL RECOMMENDED DEBT ASSESSMENT	\$ 2,619,818.00
--	------------------------

Billings are to be at the end of the calendar quarters.

Prepared by: Leo Lease
Leo Lease - Senior Financial Analyst

Date: 3/11/2024

Approved by: Steven Korth
Steve Korth, P.E. - Chief Manager, Water Resources Commissioner

Date: March 26, 2024

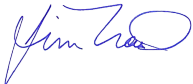
SPECIAL ASSESSMENT ROLL FOR THE DEBT OF THE PONTIAC WWTF DRAIN

Public Corporation	*Percentage of Apportionment	Total Amount of Debt Assessment
City of Pontiac	100.00%	\$ 2,619,818.00
Total	100.00000%	\$ 2,619,818.00

*Apportionment based on Final Order of Apportionment dated July 17, 2012.


Assessment Due Date for the Debt: To be paid as the debt invoices are invoiced to Oakland County.

I hereby certify that I have prepared the Special Assessment Roll for the Debt of the Pontiac WWTF Drain for the period July 1, 2024 through June 30, 2025 in accordance with the direction of the Drainage Board and the statutory provisions applicable thereto.



Jim Nash
Chairman of the Drainage Board for the Pontiac WWTF Drain

The foregoing Special Assessment Roll for the maintenance of the Pontiac WWTF Drain was approved by the Drainage Board on March 26, 2024 .



Jim Nash
Chairman of the Drainage Board for the Pontiac WWTF Drain

Appendix D

Asset Summary & Service Area Map



ASSET SUMMARY

Clinton River WRRF Ch20 - 82686

Structures	
Type	Count
Drain Catch Basin	11
Drain Manhole	7
Drain No Structure Inlet	2
Drain Pipe Outlet	10
Sewer Access Manhole	8
Sewer Cleanout	16
Sewer Manhole	8
Sewer Outfall	1
Sewer System Valve	8

Sites	
Type	Count
Retention/Detention Basin	1
Sewage Treatment Facility	2
Sewer Flow Meter	4

Line Assets Summary		
	Total Length (FT)	Total Segments
Gravity - Sanitary		
Sewer Gravity Main	6,614	30
Gravity - Storm		
Drain Gravity Main	1,520	24
Non-Gravity - Sanitary		
Force Main	4,769	40
Totals:	12,903	94

ASSET SUMMARY

Clinton River WRRF Ch20 - 82686

Line Assets by Type

Material	Length (FT)	Segment Count
Gravity - Sanitary		
Concrete	5,400	22
Metal	1,106	6
Unknown	108	2
Gravity - Storm		
Clay	244	1
Concrete	144	5
Unknown	1,132	18
Non-Gravity - Sanitary		
Metal	601	32
Plastic	4,154	7
Unknown	15	1

ASSET SUMMARY

Clinton River WRRF Ch20 - 82686

Vertical Assets Summary

Type	Count
------	-------

ActuatorNS	55
AntennaNS	1
AntennaStructureNS	2
BlowerNS	20
ChemicalEquipmentNS	9
CommunicationEquipmentNS	3
CompressorNS	6
ConveyorNS	11
DigesterGasEquipmentNS	1
DriveGearNS	18
ElectricEquipmentNS	80
ElevatorHoistNS	5
FacilityMeterNS	5
FilterStrainerNS	4
FlowMeterNS	73
GeneralEquipmentNS	5
GeneratorNS	9
HeatingAndCoolingNS	24

InstrumentationNS	192
LabEquipmentNS	2
MixerNS	6
MotorNS	112
PipingNS	11
PlantValveNS	118
PlumbingNS	40
PumpNS	132
SafetySecurityNS	37
ScreenNS	14
SewerAerationNS	10
SewerClarifierNS	14
SewerThickeningDewateringNS	9
StorageTankNS	75
StructureNS	66
VariableSpeedControlNS	28
VentilationNS	38
WetWellNS	3

Total: 1,238

ASSET SUMMARY

Pontiac Sewer - 57434

Structures

Type	Count
Sewer Cleanout	1
Sewer Flow Regulator - Passive	1
Sewer Manhole	6,135
Sewer Siphon Structure	4

Sites

Type	Count
Sewage Lift Station	11
Sewer Flow Meter	16

Line Assets Summary

	Total Length (FT)	Total Segments
Gravity - Sanitary		
Sewer Gravity Main	1,418,577	6,534
Non-Gravity - Sanitary		
Force Main	9,886	14
Siphon - Sanitary		
Sewer Siphon	298	4
Totals:	1,428,761	6,552

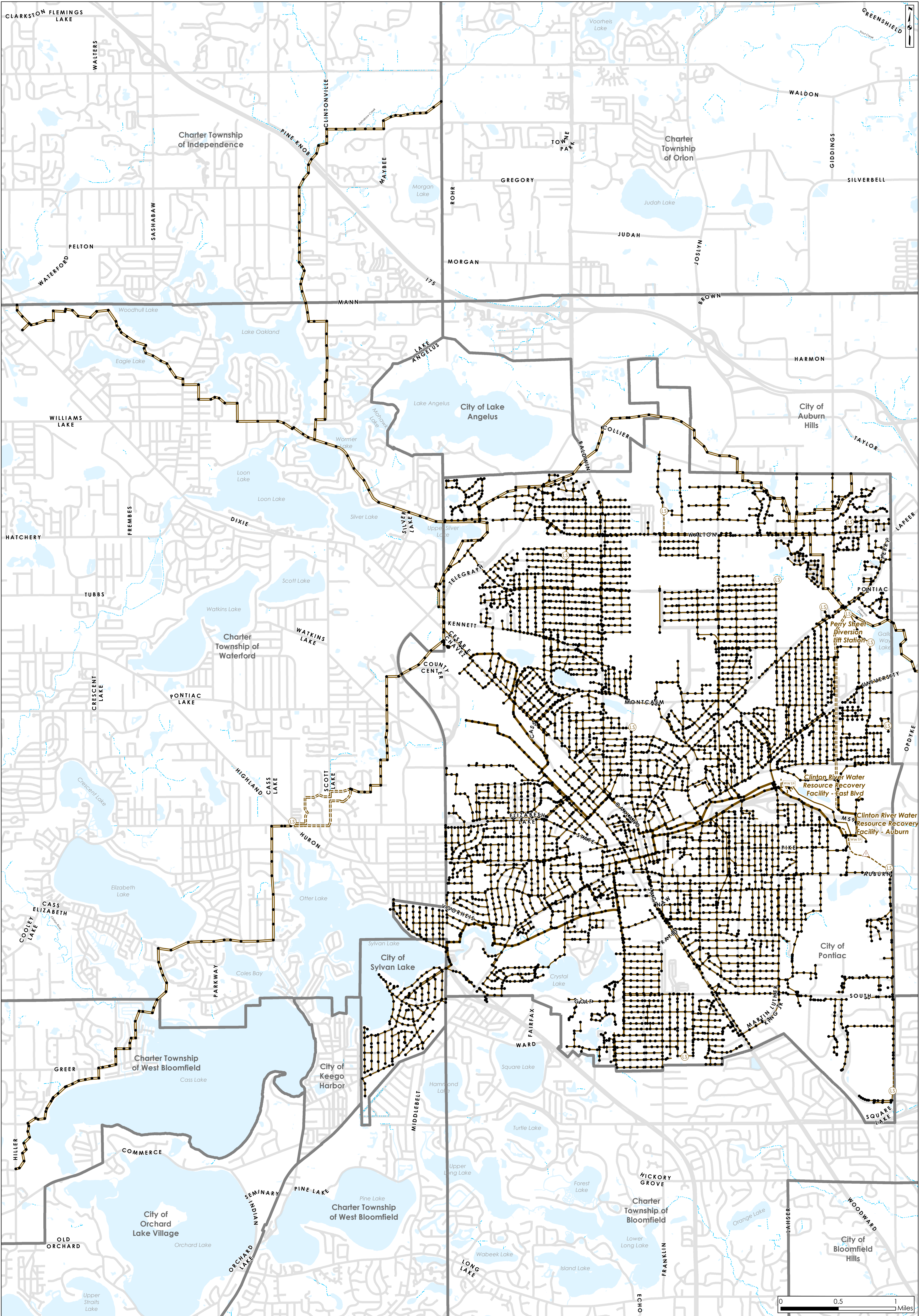
Line Assets by Type


Material	Length (FT)	Segment Count
Gravity - Sanitary		
Clay	1,070,355	4,865
Concrete	129,716	572
Corrugated Metal	6,872	9
Liner	2,422	10
Masonry	8,347	31
Metal	2,178	15
Plastic	198,500	1,028
Unknown	186	4
Non-Gravity - Sanitary		
Metal	7,641	8
Plastic	2,246	6
Siphon - Sanitary		
Concrete	298	4

ASSET SUMMARY

Pontiac Sewer - 57434

Vertical Assets Summary	
Type	Count
ComminutorGrinderNS	2
CommunicationEquipmentNS	11
ElectricEquipmentNS	26
FlowMeterNS	26
GeneratorNS	11
InstrumentationNS	32
PipingNS	4
PumpNS	25
StructureNS	22
VariableSpeedControlNS	11
VentilationNS	2
WetWellNS	11
Total:	183





WRC
WATER RESOURCES COMMISSIONER
Jim Nash

**Clinton River Water Resource Recovery Facility
Collection System**

• Sanitary Manhole	Sanitary Interceptor	Road
Ⓢ Lift Station	Sanitary Trunk	Municipal District
WWTP Treatment Plant	Sanitary Lateral	Stream/River
	Sanitary Siphon	Water Body
	Sanitary Interceptor - Non-Gravity	
	Sanitary Lateral - Non-Gravity	

Appendix E

Sewer Rates

CITY OF PONTIAC SEWER SUPPLY RATES

Effective Date: July 1, 2023

Created by:

Andrea Craft
Engineering Technician

Approved by:

Raphael Chiolla
Financial Supervisor

Approved by:

Mary Hignio
Manager

1. Commodity Charge

Standard Rate: \$ 46.10 per MCFAccount Name: Sewer Sales
Account #: 632086

In City

\$ 37.64

Program

149030

149999

149666

149662

149667

Program Name

General and Administrative

Non Operating

Emergency Repair Reserve

Major Maintenance Reserve

Capital Improvement Reserve

Total: \$ 46.10

Sewer Only Flat Rate*: \$ 52.97Account Name: REU
Account #: Sewage Disposal
Operating Unit: 632086
N/A

Program

149030

149999

149666

149662

149667

*Where metered water not available

Program Name

General and Admin

Non Operating

Emergency Repair Reserve

Major Maintenance Reserve

Capital Improvement Reserve

Total: \$ 52.97

2. Fixed Monthly Charge (per MEU) Out of City Customers to pay 1.5 times in city

\$ 25.31 Per MEU

		\$ 12.20	\$ 3.02	\$ 9.78	\$ 0.31	
Account #:	632088	630462	632088	632088		
Program or Operating Unit:	149030	149999	149667	149666		
Program Name:	General and Administrative	Non Operating	Capital Improvement Reserve	Emergency Repair Reserve		
Meter Size	MEU					MEU Total
5/8"-3/4", 1" Residential	1.0	\$ 12.20	\$ 3.02	\$ 9.78	\$ 0.31	\$ 25.31
1" Commercial	2.5	30.50	7.55	24.45	0.78	63.28
1 1/2"	5.0	61.00	15.10	48.90	1.55	126.55
2"	8.0	97.60	24.16	78.24	2.48	202.48
3"	16.0	195.20	48.32	156.48	4.96	404.96
4"	25.0	305.00	75.50	244.50	7.75	632.75
6"	50.0	610.00	151.00	489.00	15.50	1,265.50
8"	80.0	976.00	241.60	782.40	24.80	2,024.80
10"	115.0	1,403.00	347.30	1,124.70	35.65	2,910.65
12"	170.0	2,074.00	513.40	1,662.60	52.70	4,302.70

3. Special Billings

Large Area Collection System Retail Sewage Meter Customer (Sylvan Lake and Oakland County Complex)

\$ 28.09 per MCF

Note: Sylvan Lake per MEU charge to be billed at 12" Meter Size rate (see chart above).

Oakland County Complex per MEU charge to be billed at 12" Meter Size rate (see chart above).

4. Revision Log:

Date:	Description of Revision	Approval Signatures:

Distribution:Billing Services
Fiscal Services
Rates and Charges Book

CITY OF PONTIAC SEWER SUPPLY RATES

Effective Date: July 1, 2024Created by: Andrea Craft
Engineering Systems CoordinatorApproved by: Raphael Chirolla
Financial SupervisorApproved by: Mary Higo
Manager

1. Commodity Charge

Standard Rate: \$ 55.60 per MCFAccount Name: Sewer Sales
Account #: 632086

In City

\$ 39.71

Program

149030

Program Name

General and Administrative

-

149999

Non Operating

-

149666

Emergency Repair Reserve

15.89

149662

Major Maintenance Reserve

-

149667

Capital Improvement Reserve

Total: \$ 55.60

Sewer Only Flat Rate*: \$ 55.14Account Name: REU
Account #: Sewage Disposal
Operating Unit: Service

Account #: 632086

Operating Unit: N/A

\$ 36.11

Program

149030

Program Name

General and Admin

2.30

149999

Non Operating

0.30

149666

Emergency Repair Reserve

9.53

149662

Major Maintenance Reserve

6.90

149667

Capital Improvement Reserve

Total: \$ 55.14

*Where metered water not available

2. Fixed Monthly Charge (per MEU) Out of City Customers to pay 1.5 times in city

\$ 21.78 Per MEU

		\$ 12.28	\$ 2.30	\$ 6.90	\$ 0.30	
Account #:	632088	630462	632088	632088		
Program or Operating Unit:	149030	149999	149667	149666		
Program Name:	General and Administrative	Non Operating	Capital Improvement Reserve	Emergency Repair Reserve		
Meter Size	MEU					MEU Total
5/8"-3/4", 1" Residential	1.0	\$ 12.28	\$ 2.30	\$ 6.90	\$ 0.30	\$ 21.78
1" Commercial	2.5	30.70	5.75	17.25	0.75	54.45
1 1/2"	5.0	61.40	11.50	34.50	1.50	108.90
2"	8.0	98.24	18.40	55.20	2.40	174.24
3"	16.0	196.48	36.80	110.40	4.80	348.48
4"	25.0	307.00	57.50	172.50	7.50	544.50
6"	50.0	614.00	115.00	345.00	15.00	1,089.00
8"	80.0	982.40	184.00	552.00	24.00	1,742.40
10"	115.0	1,412.20	264.50	793.50	34.50	2,504.70
12"	170.0	2,087.60	391.00	1,173.00	51.00	3,702.60

3. Special Billings

Large Area Collection System Retail Sewage Meter Customer (Sylvan Lake and **Oakland County Complex**)**\$ 35.68 per MCF**

Note: Sylvan Lake per MEU charge to be billed at 12" Meter Size rate (see chart above).

Oakland County Complex per MEU charge to be billed at 12" Meter Size rate (see chart above).

4. Revision Log:

Date:	Description of Revision	Approval Signatures:

Distribution:

Billing Services
Fiscal Services

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER****MEMORANDUM**

TO: Jim Nash, Chairperson of the Clinton River Water Resource
Recovery Facility Drainage Board

FROM: John Basch, Drainage District Legal Counsel

SUBJECT: Crown Dutton Holdings, LLC. signed consent agreement

DATE: February 25, 2025

Approximately five months ago, this Board authorized the chairperson to execute a consent agreement with Crown Dutton Holdings, LLC. The Board also imposed a \$50,000 fine against the company for its violations of Pontiac's sewer use ordinance. Today, I can report that Crown Dutton has signed that consent agreement and paid the fine and our reimbursable costs for a total of \$58,643.58.

The primary reason it took months for Crown Dutton to sign the agreement and pay the fine is because its representatives weren't convinced the company was improperly discharging to the Clinton River Water Resource Recovery Facility. Crown Dutton representatives held that belief because the associated meter did not register any flow. However, staff was aware that Crown Dutton was discharging because during a routine inspection of the Auburn Hills site, the flow was clearly visible. The reason the meter didn't register the flow is because the amount of the discharge, approximately 30 gallons per day, was insufficient for the meter to detect.

Subsequently, staff provided Crown Dutton with photos and videos of the flow and conducted a tour of the site for Mark Fletcher, the company's director of environmental compliance. That tour allowed Mr. Fletcher to inspect the site and personally observe the flow. Shortly thereafter, the agreement was signed, and the fines and costs were paid.

Requested Action: Receive and file.

CHANGE ORDER NO. 6

**Jim Nash, Oakland County Water Resources Commissioner
Clinton River Water Resource Recovery Facility Drainage District
For Construction of the CRWRRF Optimization Phase I Project
City Of Pontiac
Oakland County, Michigan**

Authorization for Extras To & Changes In Contract

Department No. : 6010101

Fund No. : FND84686

Project No. : PRJ-17461

Account No. : 731472

Program No. : PRG149015

Project Activity : FAC

Contract PO : PO 00043820

Contractor :

Clark Construction Company

2660 Superior Court

Auburn Hills, MI 48326

Contract No. : 10566

Date of Contract: 10/24/23

Completion Date: 1/30/27

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
6-1	LOCATION: Clinton River Water Resource Recovery Facility - 1) Outside Main Electrical building at cogeneration equipment DESCRIPTION (Extra/Add): Contractor to Provide the addition of an oxidation catalyst for each cogeneration equipment that will meet the air permit requirements. Locate the catalysts in a chamber under the module. Include temperature and differential pressure measurement through SCADA connections, as identified on Clark Construction Project Submittal No. 141 review comments and described in attached Clark Construction Claim #7 dated February 11, 2025.	LS	1.0	\$45,009	\$45,009	---

**JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER**


Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
6-1	REASON: The two cogeneration units (also referred to as combined heat and power [CHP] units) being installed under this contract, need oxidation catalysts to meet the State air permit requirements. The requirement for these catalysts was inadvertently not included in the cogeneration specification. This issue was discovered during submittal review. The manufacturer is able to install the catalysts within the originally proposed cogeneration container.					
6-2	DESCRIPTION (Extra/Subtract): Contractor to 1) Eliminate from the contract the signs number S-1 through S-28 included in Specification 10 14 00 Supplement, 2) Eliminate from the contract Electric Unit Heater-3 "RAS PUMP STATION - STAIRWAY", per description in attached Work Directive#6 dated August 26,	LS	-1.0	\$9,938	---	\$9,938
6-2	REASON: 1) Numerous signs were originally specified in the 10 14 00 - Signage Specification are not needed. 2) Electric Unit Heater No. 3 (EUH-3) "RAS PUMP STATION - STAIRWAY" is not part of this project.					
				Totals	\$45,009	\$9,938
				Net Increase	\$35,071	---


JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER


CHANGE ORDER

CHANGE ORDER NO. 6

**Jim Nash, Oakland County Water Resources Commissioner
Clinton River Water Resource Recovery Facility Drainage District
For Construction of the CRWRRF Optimization Phase I Project
City Of Pontiac
Oakland County, Michigan**


Prepared by:  Date: 02/12/2025
Razik Alsaigh, P.E. - WRC Project Engineer

Recommended by:  Date: February 12, 2025
Allen Gelderloos, P.E. Consulting Engineer (Jacobs)

Approved by:  Date: 2/15/2025
Joel Brown, P.E. Chief Engineer

The Contractor agrees to do the work described above and agrees to accept payment in full on the basis indicated.

Accepted by: Karen M. Middleton Digitally signed by Karen M. Middleton
Date: 2025.02.12 10:05:42-05'00' Date: February 12, 2025
Karen M. Middleton - Senior Project Manager
Clark Construction Company

Approved by:  Date: Feb. 14, 2025
Steve Korth, P.E.
Chief Manager

The Contractor is hereby authorized and instructed to do the work described above in accordance with the terms of the Contract.

This Change Order was approved by the Drainage Board on:

CHANGE ORDER

CHANGE ORDER NO. 6

**Jim Nash, Oakland County Water Resources Commissioner
Clinton River Water Resource Recovery Facility Drainage District
For Construction of the CRWRRF Optimization Phase I Project
City Of Pontiac
Oakland County, Michigan**

Notice to Proceed Date:	Friday, November 17, 2023
Contract Substantial Completion Date:	Monday, November 16, 2026
Contract Final Completion Date:	Saturday, January 30, 2027
Original Contract Value:	\$ 30,550,434.00
Previous C.O. Values:	\$ 156,397.00
Change Order No. 6 Value	\$ 35,071.00
Adjusted Contract Value	\$ 30,741,902.00

**JIM NASH
OAKLAND COUNTY WATER RESOURCE COMMISSIONER**

**Clinton River Water Resource Recovery Facility (CRWRRF) Drainage District
For Construction of the CRWRRF Optimization I
City of Pontiac
Oakland County, Michigan**

Construction Estimate No. 7

Period: January 1, 2025 to January 31, 2025

Department No. : 6010101
Fund No. : 84686
Project No. : PRJ-17461

PO No. PO 00043820
Account No. : 731472
Program No. : 149015
Activity : FAC
Vendor No. : 40855

Contractor :
Clark Construction Company
2660 Superior Court
Auburn Hills, MI 48326

Contract No. : CON00010566
Notice to Proceed : 11/17/2023
Substantial Completion Date : 11/16/2026
Final Completion Date : 01/30/2027

Original Contract Amount:		\$30,550,434.00
Previous Change Order Numbers (1 and 2):		\$101,528.00
Change Orders This Estimate Numbers (3 through 5):		\$54,869.00 ✓
Total Net Change Orders:		\$156,397.00
Adjusted Contract Amount:		\$30,706,831.00
Subtotal To Date: (Sheet 2 of 2 Column 7)		\$8,731,873.79
Less Deductions to Date: (Sheet 2 of 2 Column 7)		\$0.00
Gross Estimate: (Work in Place)	28.44%	\$8,731,873.79
Less Amount Reserved: (10% of Gross Estimate)		\$873,187.38
Total Amount Allowed To Date:		\$7,858,686.41
Less Previous Estimates:		\$7,282,662.26
Net Payment Request To Be Paid To Contractor:		\$576,024.15 ✓
Reserve Payment to Contractor		\$0.00
Balance of Contract To Date	\$21,974,957.21 ✓	Accounting Auditor: <i>KS</i> 2/12/25
Less Previous Transfers To Reserve:		\$809,184.70
Amount of Current Transfer:		\$64,002.68 ✓

Prepared by: *Razik*
Razik Alsaigh, P.E. - Project Engineer

Date: 01/12/2025

Recommended by: *Allen Geldenboos*
Jacobs Consultants, Inc. - Consulting Engineer

Date: 1/12/2025

Approved by: *Joel Brown*
Joel Brown, P.E. - Chief Engineer

Date: 2/12/2025

Approved by: *Gary Nigro*
Gary Nigro, P.E. - Manager

Date: 2/19/2025

Approved by Board on: _____

Jim Nash, Oakland County Water Resources Commissioner
Clinton River Water Resource Recovery Facility (CRWRRF) Drainage District
For Construction of the CRWRRF Optimization II
City of Pontiac
Oakland County, Michigan

Construction Estimate No. 1

Estimate Period: Start to January 31, 2025

PO No. PO 00076494

Department No. : 6010101

Account No. : 731472

Fund No. : 84686

Program No. : 149015

Project No. : PRJ-17720

Activity : FAC

Vendor No. : 40855

Contract No. : CON00011282

Contractor :

Notice to Proceed : 10/28/2024

Clark Construction Company

Substantial Completion Date : 10/28/2027

2660 Superior Court

Final Completion Date : 01/26/2028

Auburn Hills, MI 48326

Original Contract Amount:

\$35,893,916.00

Previous Change Order Numbers (none):

\$0.00

Change Orders This Estimate Numbers (none):

\$0.00

Total Net Change Orders:

\$0.00

Adjusted Contract Amount:

\$35,893,916.00 ✓

Subtotal To Date: (Sheet 2 of 2 Column 7)

\$251,641.00

Less Deductions to Date: (Sheet 2 of 2 Column 7)

\$0.00

Gross Estimate: (Work in Place)

0.70%

\$251,641.00

Less Amount Reserved: (10% of Gross Estimate)

\$25,164.10

Total Amount Allowed To Date:

\$226,476.90

Less Previous Estimates:

\$0.00

Net Payment Request To Be Paid To Contractor:

\$226,476.90 ✓

Reserve Payment to Contractor

\$0.00

Balance of Contract To Date

\$35,642,275.00 ✓

Accounting Auditor: KS 2/13/25

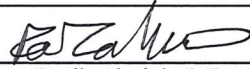
Less Previous Transfers To Reserve:

\$0.00

Amount of Current Transfer:

\$25,164.10 ✓

Prepared by:

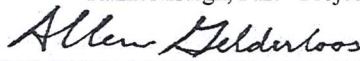


Razik Alsaigh, P.E. - Project Engineer

Date:

02/14/2025

Recommended by:

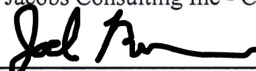


Jacobs Consulting Inc - Consulting Engineer

Date:

2/13/2025

Approved by:

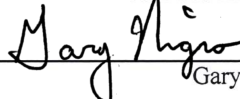


Joel Brown, P.E. - Chief Engineer

Date:

2/14/2025

Approved by:



Gary Nigro, P.E. - Manager

Date:

2/19/2025

Approved by Board on:

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

MEMO TO: Mr. Jim Nash, Chairman
of the Drainage Board for the CLINTON RIVER WATER RESOURCE RECOVERY FACILITY DRAIN - (Maintenance)

FROM: Shawn Phelps, Chief of Fiscal Services *Ⓢ for Shawn Phelps*
OCWRC Accounting

DATE: February 25, 2025

SUBJECT: Request for Board approval of payment of the following invoice(s):

Payable To	Ref No.	For	Amount
USA Bluebook	Jan 2025 Pcard	Invoice # INV00595108 - Lab Supplies	\$ 4,467.18
USA Bluebook	Jan 2025 Pcard	Invoice # INV00607822 - Lab Supplies	3,474.66
AIC Construction Equipment	SINV00318134	Invoice # X34268 - Contracted Services	9,630.00
Biotech Agronomics	SINV00316935	Invoice # 4105 - Contracted Services	2,256.00
Cambi Inc	SINV00320973	Invoice # 609810-SP-046 - Contracted Services	7,175.45
Cambi Inc	SINV00317526	Invoice # 609810-SP-049 - Material and Supplies	1,725.72
D3W Industries Inc	SINV00320969	Invoice # 5068 - Material and Supplies	2,496.00
DJ Conley	SINV00316936	Invoice # SI-53068-1 - Contracted Services	2,326.00
DJ Conley	SINV00321297	Invoice # SI-54176-1 - Contracted Services	7,527.20
Eastern Oil Company	SINV00318003	Invoice # INV103341 - Material and Supplies	1,759.87
Haviland Products Company	SINV00318007	Invoice # 527573 - Chemical Treatment	7,412.14
Haviland Products Company	SINV00317533	Invoice # 527653 - Chemical Treatment	6,051.00
Haviland Products Company	SINV00318016	Invoice # 528121 - Chemical Treatment	2,220.00
Haviland Products Company	SINV00318011	Invoice # 528325 - Chemical Treatment	7,544.26
Haviland Products Company	SINV00321440	Invoice # 529771 - Chemical Treatment	7,539.20
Haviland Products Company	SINV00321076	Invoice # 529863 - Chemical Treatment	3,330.00
Lasalle Agri Inc.	TBP	Invoice # 2774 - Land Application	32,837.70
Polydyne Inc.	SINV00321441	Invoice # 1901823 - Chemical Treatment	38,272.00
PVS Technologies Inc	SINV00317534	Invoice # 371432 - Chemical Treatment	5,311.68
PVS Technologies Inc	SINV00318021	Invoice # 371771 - Chemical Treatment	2,728.44
PVS Technologies Inc	SINV00319061	Invoice # 372114 - Chemical Treatment	5,293.20
PVS Technologies Inc	SINV00320966	Invoice # 372332 - Chemical Treatment	3,050.52
Saber Building Services	SINV00318025	Invoice # 46311 - Building Cleaning - Feb 2025	1,800.00
Waterworks Systems & Equipmen	SINV00317536	Invoice# 10490 - Material and Supplies	16,563.87
Waste Management	TBP	Invoice # 8824675-1714-1 - Garbage and Rubbish Disposal	1,793.76
Waste Management	TBP	Invoice # 8824659-1714-5 - Garbage and Rubbish Disposal	1,825.04
Waste Management	TBP	Invoice # 8824658-1714-7 - Garbage and Rubbish Disposal	1,083.32
US Geological Survey	SINV00316544	Invoice # 90073691 - Stream Gauge	12,500.00
Subtotal			\$ 199,994.21
Hubbell Roth & Clark	SINV00320998	Invoice # 0222614 - Engineering Survey - 11/9/24 - Proj # 1-3679	509.26
Subtotal - Project 1-3679			\$ 509.26
Tetra Tech Inc	TBP	Invoice # 50377062 - Contracted Services -Proj # 1-7549	\$ 1,386.39
Subtotal - Project 1-7549			\$ 1,386.39
NTH Consultants, Ltd	SINV00317991	Invoice # 638204 - Engineering Survey -1/17/25- Proj # 1-7127	\$ 163.00
Subtotal - Project 1-7127			\$ 163.00
OHM	SINV00320820	Invoice # 84850 - Professional Services - 01/25/25 Proj # 1-7047	\$ 5,039.00
Subtotal - Project 1-7047			\$ 5,039.00
Jacobs	SINV00321033	Invoice # C6A19600-21 - Prof. Service - 12/28/24 - 01/24/25 Proj # 1-7550	\$ 17,095.88
Subtotal - Project 1-7550			\$ 17,095.88
Grand Total			\$ 224,187.74

MEMO TO: Mr. Jim Nash, Chairman
of the Drainage Board for the CLINTON RIVER WATER RESOURCE RECOVERY FACILITY DRAIN - (Construction)

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting

HP for Shawn Phelps

DATE: February 25, 2025

SUBJECT: Request for Board approval of payment of the following invoice(s):

	Ref No.	For	Amount
Jacobs Consultant, Inc	SINV00321038	Invoice # C6A21702-12 - 12/28/24 - 01/24/25 - Proj # 1-7720	\$ 18,894.02
		Total for Project # 1-7720	\$ 18,894.02
Jacobs Consultant, Inc	SINV00321037	Invoice # C6A21700-25 - 12/28/24-01/24/25 - PRJ-17461	74,564.59
Dickinson Wright PLLC	SINV00317506.	Invoice # 1998154 - 12/31/24 - PRJ-17461	308.00
		Total for Project 1-7461	\$ 74,872.59

Grand Total \$ 93,766.61

3. Acacia Park CSO

AGENDA

DRAINAGE BOARD FOR THE ACACIA PARK CSO DRAIN

February 25, 2025

1. Call meeting to order
2. Approve minutes of meeting of January 28, 2025
3. Public Comments
4. Present Memorandum from Sarah Stoolmiller, P.E., Civil Engineer III, dated February 25, 2025, requesting the Board adopt a release rate not-to-exceed 0.2 cubic feet per second per acre within the Drainage District for new development and redevelopment projects
5. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$9,869.00
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE ACACIA PARK CSO DRAIN**

January 28, 2025

A meeting of the Drainage Board for the Acacia Park CSO Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 28th day of January 2025.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

Gwen Markham, Chairperson of the Finance Committee, Oakland County Board of Commissioners

ABSENT: David Woodward, Chairperson of the Oakland County Board of Commissioners

Minutes of the meeting held December 17, 2024, were presented for consideration. It was moved by Markham, supported by Nash, that the minutes be approved.

ADOPTED: Yeas - 2
Nays - 0

Chairperson Nash asked if there were any public comments. There were none.

A memorandum from George Nichols, P.E., Assistant Chief Engineer, dated January 28, 2025, requesting the Board retain the services of Hubbell, Roth & Clark, Inc. to proceed with establishing plans and specifications for the 2025 Sewer Cleaning and Inspection project for a not to exceed amount of \$48,220 was presented. It was moved by Markham, supported by Nash, to retain the services of Hubbell, Roth & Clark, Inc. to proceed with establishing plans and specifications for the 2025 Sewer Cleaning and Inspection project for a not to exceed amount of \$48,220 as presented.

ADOPTED: Yeas - 2
Nays - 0

A request for reimbursement of the Evergreen Farmington Fund in the amount of \$106,138.26 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the reimbursement of the Evergreen Farmington Fund in the amount of \$106,138.26.

ADOPTED: Yeas - 2
Nays - 0

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$27,756.59 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$27,756.59.

ADOPTED: Yeas - 2
Nays - 0

It was moved by Nash, supported by Markham, to certify attendance and authorize pro rata payment of \$25 per day to Ms. Markham.

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.

Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Acacia Park CSO Drain, Oakland County, Michigan, held on the 28th day of January 2025, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

I further certify that the notice of the meeting was posted at least 18 hours in advance of the meeting at the office of the Oakland County Water Resources Commissioner which is the principal office of the Drainage Board for the Acacia Park CSO Drain Drainage District.

Jim Nash, Chairperson

Dated: January 28, 2025

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER****MEMORANDUM**

TO: Jim Nash, Chairperson
Acacia Park CSO Drain Drainage Board

FROM: Sarah Stoolmiller, P.E., Civil Engineer III

SUBJECT: Acacia Park CSO Drain Drainage District Release Rate

DATE: February 25, 2025

On April 27, 2021, the Chapter 20 Policy Matters Board approved the WRC's updated Stormwater Engineering Design Standards for all Separate Storm System Chapter 20 Drains. Adoption of these standards meets federal Municipal Separate Storm Sewer System permit requirements as outlined in Oakland County's current permit for county owned or operated separate stormwater systems. The standards include stormwater management requirements for Channel Protection Volume Control (Infiltration), Channel Protection Rate Control, Water Quality Control, Operations and Maintenance, and Detention and Flood Control (storage and release rate).

Since the approved standards only apply to separate storm systems, an adopted requirement for the allowable release rate for the Acacia Park CSO Drain Drainage District needs to be established. In previous versions of Oakland County's stormwater standards, the stormwater requirements were applied to combined sewer systems including the Acacia Park CSO Drain Drainage District.

Based on the system design and to ensure adequate capacity, the WRC recommends the Acacia Park CSO Drain Drainage District adopt a 0.2 cubic feet per second per acre release rate. This rate is consistent with the previous Acacia Park CSO Drain release rate requirement for both new development and redevelopment projects.

Requested Action: Adopt a release rate not to exceed 0.2 cubic feet per second per acre within the Acacia Park CSO Drain Drainage District for new development and redevelopment projects.

MEMO TO: Mr. Jim Nash, Chairman
of the Drainage Board for the ACACIA PARK CSO DRAIN

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting

HP for Shawn Phelps

DATE: February 25, 2025

SUBJECT: Request for Board approval of payment of the following invoice(s):

Ref No.	Paid To	For	Amount
SINV00318762	Great Lakes Pump & Supplies Co	Invoice # 78473 - Material & Supplies	7,616.00
		Subtotal	\$ 7,616.00
SINV00320977	Fishbeck	Invoice # 448135 - -PRJ-17646	2,253.00
		Project 1-7646	\$ 2,253.00
		Total	\$ 9,869.00

4. Birmingham CSO

AGENDA

DRAINAGE BOARD FOR THE BIRMINGHAM CSO DRAIN

February 25, 2025

1. Call meeting to order
2. Approve minutes of meeting of January 28, 2025
3. Public Comments
4. Present Memorandum from Sarah Stoolmiller, P.E., Civil Engineer III, dated February 25, 2025, requesting the Board adopt a release rate not-to-exceed 0.2 cubic feet per second per acre within the Drainage District for new development and redevelopment projects
5. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$9,288.00
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE BIRMINGHAM CSO DRAIN**

January 28, 2025

A meeting of the Drainage Board for the Birmingham CSO Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 28th day of January 2025.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

Gwen Markham, Chairperson of the Finance Committee, Oakland County Board of Commissioners

ABSENT: David Woodward, Chairperson of the Oakland County Board of Commissioners

Minutes of the meeting held December 17, 2024, were presented for consideration. It was moved by Markham, supported by Nash, that the minutes be approved.

ADOPTED: Yeas - 2
Nays - 0

Chairperson Nash asked if there were any public comments. There were none.

A memorandum from George Nichols, P.E., Assistant Chief Engineer, dated January 28, 2025, requesting the Board retain the services of Hubbell, Roth & Clark, Inc. to proceed with establishing plans and specifications for the 2025 Sewer Cleaning and Inspection project for a not to exceed amount of \$47,400 was presented. It was moved by Markham, supported by Nash, to retain the services of Hubbell, Roth & Clark, Inc. to proceed with establishing plans and specifications for the 2025 Sewer Cleaning and Inspection project for a not to exceed amount of \$47,400 as presented.

ADOPTED: Yeas - 2
Nays - 0

A request for reimbursement of the Evergreen Farmington Fund in the amount of \$115,049.49 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the reimbursement of the Evergreen Farmington Fund in the amount of \$115,049.49.

ADOPTED: Yeas - 2
Nays - 0

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$195,096.59 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$195,096.59.

ADOPTED: Yeas - 2
Nays - 0

It was moved by Nash, supported by Markham, to certify attendance and authorize pro rata payment of \$25 per day to Ms. Markham.

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.

Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Birmingham CSO Drain, Oakland County, Michigan, held on the 28th day of January 2025, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

I further certify that the notice of the meeting was posted at least 18 hours in advance of the meeting at the office of the Oakland County Water Resources Commissioner which is the principal office of the Drainage Board for the Birmingham CSO Drain Drainage District.

Jim Nash, Chairperson

Dated: January 28, 2025

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER****MEMORANDUM**

TO: Jim Nash, Chairperson
Birmingham CSO Drain Drainage Board

FROM: Sarah Stoolmiller, P.E., Civil Engineer III

SUBJECT: Birmingham CSO Drain Drainage District Release Rate

DATE: February 25, 2025

On April 27, 2021, the Chapter 20 Policy Matters Board approved the WRC's updated Stormwater Engineering Design Standards for all Separate Storm System Chapter 20 Drains. Adoption of these standards meets federal Municipal Separate Storm Sewer System permit requirements as outlined in Oakland County's current permit for county owned or operated separate stormwater systems. The standards include stormwater management requirements for Channel Protection Volume Control (Infiltration), Channel Protection Rate Control, Water Quality Control, Operations and Maintenance, and Detention and Flood Control (storage and release rate).

Since the approved standards only apply to separate storm systems, an adopted requirement for the allowable release rate for the Birmingham CSO Drain Drainage District needs to be established. In previous versions of Oakland County's stormwater standards, the stormwater requirements were applied to combined sewer systems including the Birmingham CSO Drain Drainage District.

Based on the system design and to ensure adequate capacity, the WRC recommends the Birmingham CSO Drain Drainage District adopt a 0.2 cubic feet per second per acre release rate. This rate is consistent with the previous Birmingham CSO Drain release rate requirement for both new development and redevelopment projects.

Requested Action: Adopt a release rate not to exceed 0.2 cubic feet per second per acre within the Birmingham CSO Drain Drainage District for new development and redevelopment projects.

MEMO TO: Mr. Jim Nash, Chairman
of the Drainage Board for the BIRMINGHAM CSO DRAIN

FROM: Shawn Phelps, Chief of Fiscal Services *HP for Shawn Phelps*
OCWRC Accounting

DATE: February 25, 2025

SUBJECT: Request for Board approval of payment of the following invoice(s):

Ref No.	Paid To	For	Amount
SINV00318762	Great Lakes Pump & Supplies Co	Invoice # 78473 - Material & Supplies	7,616.00
		Subtotal	\$ 7,616.00
SINV00320977	Fishbeck	Invoice # 448135 - Contracted Services -PRJ-17648	1,672.00
		Project 1-7648	\$ 1,672.00
		Grand Total	\$ 9,288.00

5. Bloomfield Village CSO

AGENDA

DRAINAGE BOARD FOR THE BLOOMFIELD VILLAGE CSO DRAIN

February 25, 2025

1. Call meeting to order
2. Approve minutes of meeting of January 28, 2025
3. Public Comments
4. Present Memorandum from Sarah Stoolmiller, P.E., Civil Engineer III, dated February 25, 2025, requesting the Board adopt a release rate not-to-exceed 0.2 cubic feet per second per acre within the Drainage District for new development and redevelopment projects
5. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$24,554.75
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE BLOOMFIELD VILLAGE CSO DRAIN**

January 28, 2025

A meeting of the Drainage Board for the Bloomfield Village CSO Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 28th day of January 2025.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

Gwen Markham, Chairperson of the Finance Committee, Oakland County Board of Commissioners

ABSENT: David Woodward, Chairperson of the Oakland County Board of Commissioners

Minutes of the meeting held December 17, 2024, were presented for consideration. It was moved by Markham, supported by Nash, that the minutes be approved.

ADOPTED: Yeas - 2
Nays - 0

Chairperson Nash asked if there were any public comments. There were none.

A memorandum George Nichols, P.E., Assistant Chief Engineer, dated January 28, 2025, requesting the Board retain the services of Hubbell, Roth & Clark, Inc. to proceed with establishing plans and specifications for the 2025 Sewer Cleaning and Inspection project for a not to exceed amount of \$78,080 was presented. It was moved by Markham, supported by Nash, to retain the services of Hubbell, Roth & Clark, Inc. to proceed with establishing plans and specifications for the 2025 Sewer Cleaning and Inspection project for a not to exceed amount of \$78,080 as presented.

ADOPTED: Yeas - 2
Nays - 0

A request for reimbursement of the Evergreen Farmington Fund in the amount of \$139,788.75 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the reimbursement of the Evergreen Farmington Fund in the amount of \$139,788.75.

ADOPTED: Yeas - 2
Nays - 0

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$37,787.32 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$37,787.32.

ADOPTED: Yeas - 2
Nays - 0

It was moved by Nash, supported by Markham, to certify attendance and authorize pro rata payment of \$25 per day to and Ms. Markham.

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.

Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Bloomfield Village CSO Drain, Oakland County, Michigan, held on the 28th day of January 2025, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

I further certify that the notice of the meeting was posted at least 18 hours in advance of the meeting at the office of the Oakland County Water Resources Commissioner which is the principal office of the Drainage Board for Bloomfield Village CSO Drain Drainage District.

Jim Nash, Chairperson

Dated: January 28, 2025

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER****MEMORANDUM**

TO: Jim Nash, Chairperson
Bloomfield Village CSO Drain Drainage Board

FROM: Sarah Stoolmiller, P.E., Civil Engineer III

SUBJECT: Bloomfield Village CSO Drain Drainage District Release Rate

DATE: February 25, 2025

On April 27, 2021, the Chapter 20 Policy Matters Board approved the WRC's updated Stormwater Engineering Design Standards for all Separate Storm System Chapter 20 Drains. Adoption of these standards meets federal Municipal Separate Storm Sewer System permit requirements as outlined in Oakland County's current permit for county owned or operated separate stormwater systems. The standards include stormwater management requirements for Channel Protection Volume Control (Infiltration), Channel Protection Rate Control, Water Quality Control, Operations and Maintenance, and Detention and Flood Control (storage and release rate).

Since the approved standards only apply to separate storm systems, an adopted requirement for the allowable release rate for the Bloomfield Village CSO Drain Drainage District needs to be established. In previous versions of Oakland County's stormwater standards, the stormwater requirements were applied to combined sewer systems including the Bloomfield Village CSO Drain Drainage District.

Based on the system design and to ensure adequate capacity, the WRC recommends the Bloomfield Village CSO Drain Drainage District adopt a 0.2 cubic feet per second per acre release rate. This rate is consistent with the previous Bloomfield Village CSO Drain release rate requirement for both new development and redevelopment projects.

Requested Action: Adopt a release rate not to exceed 0.2 cubic feet per second per acre within the Bloomfield Village CSO Drain Drainage District for new development and redevelopment projects.

MEMO TO: Mr. Jim Nash, Chairman
of the Drainage Board for the BLOOMFIELD VILLAGE CSO DRAIN

FROM: Shawn Phelps, Chief of Fiscal Services *HP for Shawn Phelps*
OCWRC Accounting

DATE: February 25, 2025

SUBJECT: Request for Board approval of payment of the following invoice(s):

Ref No.	Paid To	For	Amount
SINV00318762	Great Lakes Pump & Supplies Co	Invoice # 78473 - Material & Supplies	7,616.00
SINV00319460	Johnson Controls	Invoice # 1-135205324242 - Contracted Services	1,795.25
		Total	\$ 9,411.25
SINV00320398	ICS Integration	Invoice # 3177- Contracted Services -PRJ-17317	4,556.00
		Subtotal - Project 1-7317	\$ 4,556.00
SINV00319458	ICS Integration	Invoice # 3179 - Contracted Services - PRJ-17796	\$ 1,876.00
SINV00319459	ICS Integration	Invoice # 3193 - Contracted Services -PRJ-17796	2,412.00
SINV00320128	Fishbeck	Invoice # 448132 - Contracted Services - PRJ-1-7796	3,814.00
		Subtotal - Project 1-7796	\$ 8,102.00
SINV00320977	Fishbeck	Invoice # 448135- Contracted Services - PRJ-17651	2,485.50
		Subtotal - Project 1-7651	\$ 2,485.50
		Grand Total	\$ 24,554.75

6. George W. Kuhn Drain

AGENDA

DRAINAGE BOARD FOR THE GEORGE W. KUHN DRAIN

February 25, 2025

1. Call meeting to order
2. Approve minutes of meeting of January 28, 2025
3. Public Comments
4. Present Memorandum from Sara Rubino, Drainage District Legal Counsel, dated February 25, 2025, requesting the Board approve the contract with Public Sector Consultants with a total cost not to exceed \$30,000 and authorize the Chairperson to execute the contract and any documents as may be necessary to finalize the contract
5. Present Memorandum from Lesli Maes, P.E., Operations Engineer, dated February 25, 2025, requesting the Board approve the Drainage District's FY 2025 Reserve Projects at a cost of \$1,806,000 utilizing funds from the Major Maintenance and Capital Improvement reserves
6. Present Memorandum from M. Drew Sandahl, P.E., Chief Engineer, dated February 25, 2025, requesting the Board establish a project to upload soil boring data to ArcGIS Online in the amount of \$25,000 and award engineering services to NTH Consultants for a not to exceed amount of \$20,000
7. Present Construction Estimate No. 8 for Rolls Mechanical for Construction of the HomeGuard Program in the amount of \$57,363.40
8. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$35,682.90
9. Other business
10. Approve pro rata payment to Drainage Board members
11. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE GEORGE W. KUHN DRAIN**

January 28, 2025

A meeting of the Drainage Board for the George W. Kuhn Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 28th day of January 2025.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

Gwen Markham, Chairperson of the Finance Committee, Oakland County Board of Commissioners

ABSENT: None.

Minutes of the meeting held December 17, 2024, were presented for consideration. It was moved by Markham, supported by Nash, that the minutes be approved.

ADOPTED: Yeas - 2
Nays - 0

Chairperson Nash asked if there were any public comments. There were none.

A memorandum from Jeff Parrott, Supervisor, Right of Way, dated January 28, 2025, requesting the Board authorize the Chairperson to sign documents necessary for the proposed construction within the temporary easements to accommodate the Road Commission for Oakland County was presented. It was moved by Markham, supported by Nash, to authorize the Chairperson to sign documents necessary for the proposed construction within the temporary easements to accommodate the Road Commission for Oakland County as presented.

ADOPTED: Yeas - 2
Nays - 0

Change Order No. 2 for Construction of the 2023 GWK Sewer Cleaning and Inspection for Doetsch Environmental Services for a net decrease in the amount of \$25,862.25 was presented. It was moved by Markham, supported by Nash, to approve Change Order No. 2 for Construction of the 2023 GWK Sewer Cleaning and Inspection for Doetsch Environmental Services for a net decrease in the amount of \$25,862.25 as presented.

ADOPTED: Yeas - 2
Nays - 0

Construction Estimate No. 4 for Construction of the 2023 GWK Sewer Cleaning and Inspection for Doetsch Environmental Services in the amount of \$10,267.50 with a final reserve payment to the contractor in the amount of \$35,314.06 was presented. It was moved by Markham, supported by Nash, to approve Construction Estimate No. 4 for Construction of the 2023 GWK Sewer Cleaning and Inspection for Doetsch Environmental Services in the amount of \$10,267.50 with a final reserve payment to the contractor in the amount of \$35,314.06 as presented.

ADOPTED: Yeas - 2
Nays - 0

Construction Estimate No. 7 for Rolls Mechanical for Construction of the HomeGuard Program in the amount of \$41,082.30 was presented. It was moved by Markham, supported by Nash, to approve Construction Estimate No. 7 for Rolls Mechanical for Construction of the HomeGuard Program in the amount of \$41,082.30 as presented.

ADOPTED: Yeas - 3
Nays - 0

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$118,478.00 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$118,478.00.

ADOPTED: Yeas - 3
Nays - 0

It was moved by Nash, supported by Markham, to certify attendance and authorize pro rata payment of \$25 per day to Mr. Woodward and Ms. Markham.

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.

Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the George W. Kuhn Drain, Oakland County, Michigan, held on the 28th day of January 2025, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

I further certify that the notice of the meeting was posted at least 18 hours in advance of the meeting at the office of the Oakland County Water Resources Commissioner which is the principal office of the Drainage Board for George W. Kuhn Drain Drainage District.

Jim Nash, Chairperson

Dated: January 28, 2025

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER****MEMORANDUM**

TO: Jim Nash, Chairperson
George W. Kuhn Drain Drainage District Board

FROM: Sara Rubino, Drainage District Legal Counsel

SUBJECT: Contract Proposal

DATE: February 25, 2025

Public Sector Consultants (PSC) is an independent, nonpartisan public policy consulting firm. PSC provides a variety of services for government agencies, nonprofits, associations, and regulated industries. Those services include public policy research, independent evaluation, facilitation, strategic guidance and implementation. In addition, PSC provides tailored communication services to effectively develop and deliver messaging to policy makers, members of the public, and the media.

A series of recent media reports have resulted in unprecedented regulatory, legislative, and political interest related to the renewal of the National Pollutant and Discharge Elimination Permit System (NPDES) for the Drainage District's Retention Treatment Basin (RTB). There is an abundance of publicly available data, technical reports, and environmental research that can be used to respond to requests for information, provide relevant context to data, and address commonly reported inaccuracies. However, this information is not in a central depository, or in a format easily understood by many, including members of the media and policymakers.

In the upcoming months, there will be several opportunities to communicate and engage with state regulators, policymakers, the public, and members of the media regarding the NPDES permit and RTB. To help prepare for these events, PSC has the capacity to convert complicated concepts into usable communication pieces that can support the Drainage District's efforts to education, inform, and increase the likelihood of favorable outcomes for the Drainage District.

RECOMMENDED ACTION: Approve the contract with Public Sector Consultants with a total cost not to exceed \$30,000 and authorize the Chairperson to execute the contract and any documents as may be necessary to finalize the contract.

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**
MEMORANDUM

TO: Jim Nash, Chairperson of the George W. Kuhn Drain Drainage Board

FROM: Lesli Maes, P.E., Operations Engineer

SUBJECT: GWK Major Maintenance and Capital Improvement Projects

DATE: February 25, 2025

Recommendations for rehabilitation and/or replacement of assets within the George W. Kuhn (GWK) Drain Drainage District are continually being identified, evaluated, and planned for by Water Resources Commissioner's staff including the asset management group, staff engineers and operations supervisors.

Staff is requesting approval to initiate the following major maintenance and capital improvement projects for the District.

**GWK RTB FY2025 Reserves Projects
Pollution Control Facility and Sanitary Disposal System**

Major Maintenance and Capital Improvement Projects	Project Budget
GWK Dewatering Pump Station Replace Mag Meters	\$ 128,000
GWK Dewatering Pump Station Rebuild Pump P6	\$ 25,000
GWK Treatment Building Evaluate Screen Room Roof	\$ 50,000
GWK Total Residual Chlorine Intermediate Sampling and Metering	\$ 100,000
GWK Treatment Building Replace Basin and Weir Level Transmitters	\$ 48,000
GWK Treatment Building Replace Make-Up Air Units 1-5 Study	\$ 175,000
GWK Replace Motorized Entry Gates and North Electrical Feed	\$ 120,000
GWK Dechlorination Feasibility Study	\$ 150,000
GWK Basin Concrete, Stephenson Tanks, and Flushing Piping Assessment	\$ 125,000
GWK Fire Shutters Building Rehab/Replace	\$ 200,000
Stephenson Control Building Electrical Upgrades	\$ 125,000
Stephenson Control Building Replace Roof	\$ 50,000
Stephenson Garage Replace Cranes 1, 2 and 3	\$ 30,000
Stephenson Control Building Site Fencing	\$ 50,000
Stephenson Garage Replace Maintenance Equipment	\$ 225,000
Eight Mile Chamber Replace Electrical Service Equipment	\$ 45,000
Eight Mile Meter Chamber Replace Isolation Gate Actuators and Access Hatch	\$ 160,000
Subtotal:	\$ 1,806,000

This work was anticipated and budgeted for in the GWK Reserves.

Requested Action: Approve the above-listed GWK Retention Treatment Basin projects at a cost of \$1,806,000 utilizing funds from Major Maintenance and Capital Improvement reserves.

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER****MEMORANDUM**

TO: Jim Nash, George W. Kuhn Drain Chairperson

FROM: M. Drew Sandahl, P.E., Chief Engineer

SUBJECT: ArcGIS Online
Soil Boring Data Storage & Mapping

DATE: February 25, 2025

WRC has created an ArcGIS Online (AGO) map layer that contains soil boring locations and associated data as shown in the figures at the end of this memorandum. Soil borings are valuable for project development and are also useful for assessing the probability of failure for a sanitary sewer asset.

Historically soil boring data in the George W. Kuhn service area has not been stored in a readily accessible location. As such, this data has been underutilized. Consolidating the historic soil borings within the GWK district will allow for better recommendations in the WRC asset management software and provide quick access of data for future use.

NTH Consultants has extensive experience conducting soil borings with the GWK service area. We are recommending awarding engineering services to NTH for compiling historic soil borings for integration into WRC's AGO map per their attached proposal and terms of their existing contract with the County (Contract 009174).

The following is a breakdown of the estimated expenses for the design phase of this project:

Contracted Services:	\$20,000
WRC Engineering:	\$5,000
TOTAL:	\$25,000

RECOMMENDED ACTION: Establish a project to upload soil boring data to ArcGIS Online in the amount of \$25,000 AND award engineering services to NTH Consultants for a not to exceed amount of \$20,000.

Mr. Drew Sandahl, P.E.
Chief Engineer
Office of the Oakland County Water Resources Commissioner
One Public Works Drive, Building 95 West
Waterford, MI 48328-1907

February 12, 2025
NTH Proposal No. OP25002686

**RE: Proposal to Perform Desktop Research on Available Soil Borings
George W. Kuhn (GWK) System
Oakland County, Michigan**

Dear Mr. Sandahl:

We are pleased to submit this proposal to perform desktop research of the NTH archives on available soil borings within the George W. Kuhn (GWK) system and its surrounding areas. We understand that the Office of the Oakland County Water Resources Commissioner (OCWRC) has initiated the development of a soil layer in ArcGIS Online to support risk assessments for the sewers they own, operate, and maintain in that area. This effort is in its early stages, with ongoing work to determine how best to integrate the soil data with your asset management software. Currently, only a limited number of soil borings have been uploaded, and there is an active effort to expand the database for the GWK system.

To support this initiative, you have requested a proposal from us to research our archives for available soil borings in the area. Additionally, depending on the extent of borings identified, you may seek our assistance in uploading the data into ArcGIS Online. This work will be performed under our existing engineering services contract on a time-and-materials (T&M) basis. The following sections outline our proposed scope of services and estimated fees.

SCOPE OF SERVICES

We look forward to supporting your efforts in this important initiative. Our proposed services include the following:

Project Kickoff:

- We will meet with your designated project representative to confirm the project scope, objectives, and schedule, ensuring alignment with your needs.

Data Collection and Research:

- Conduct a search for soil boring data within our server database.
- Initiate a review of physical project report archives stored at an off-site facility to identify relevant information.



Deliverables: As part of our work, we will provide:

- A cover memorandum summarizing our approach, findings, and any limitations encountered during the research.
- An Excel spreadsheet listing the identified soil borings, including their unique identifiers and approximate locations (northings and eastings).
- Provide PDF copies of the soil boring logs or other relevant documentation. For non-OCWRC projects (if included), project-specific details will be redacted before delivery.

PROFESSIONAL FEES, TERMS & CONDITIONS, AND SCHEDULE

We propose to perform the above scope of services on a time and materials basis in accordance with our existing As-Needed Engineering Services Contract with the OCWRC identified as Contract No. 009174 (Old No. 006469). Since the extent of our effort will depend on the amount of data collected, it is difficult to provide an accurate estimate of our fees at this time. As such, we suggest that an initial budget of \$20,000 be set for the project. Once we have a better estimate of the number of projects available in our archives, we can refine our estimate and provide you with the total estimated fees for the project. We plan to submit the initial draft of the collected information to OCWRC by end of April 2025.

We appreciate this opportunity to be of service to you and look forward to assisting the WRC with this project. If you have questions or comments, please contact us.

Sincerely,

NTH Consultants, Ltd.

Signed by:
Saju Sachidanandan
04261F17B85445C...

Saju Sachidanandan, P.E.
Sr. Principal Engineer

SS/HSY/mlk

DocuSigned by:
Hosam S. Yaldo
496D466AAB55469...

Hosam S. Yaldo, P.E.
Sr. Principal Engineer

**Jim Nash, Oakland County Water Resources Commissioner
GWK Drain Drainage District
For Construction of the HomeGuard Program
City of Berkley
Oakland County, Michigan**

Construction Estimate No. 8

January 1, 2025 to January 31, 2025

Department No. : 6010101
Fund No. : 58510
Project No. : 1-7840

Account No. : 730373

Program No. : 149662

Activity : STD

Vendor No. : 30038

Contract No. : CON00010963

Date of Contract : 6/13/2024

Completion Date : NA

Contractor :
Rolls Mechanical
1490 Torrey Road
Fenton, MI 48430

Original Contract Amount: \$750,000.00

Previous Change Order Numbers (none): \$0.00

Change Orders This Estimate Numbers (none): \$0.00

Total Net Change Orders: \$0.00

Adjusted Contract Amount: \$750,000.00

Subtotal To Date: (Sheet 2 of 2 Column 7) \$331,130.82

Less Deductions to Date: (Sheet 2 of 2 Column 7) \$3,300.00

Gross Estimate: (Work in Place) \$327,830.82

Less Previous Estimates: \$270,467.42

Net Payment Request To Be Paid To Contractor: \$57,363.40

Balance of Contract To Date \$418,869.18

Accounting Auditor: *BCR* 2/10/2025

Prepared by: **Jen Cook, P.E.**
Jen Cook, P.E. - Project Engineer

Date: 2/13/2025

Recommended by: *James F Burton*
James Burton, P.E. - Consulting Engineer

Date: 2/13/25

Approved by: *Joel Brown*
Joel Brown, P.E. - Chief Engineer

Date: 2/14/2025

Approved by Board on: _____

MEMO TO: Mr. Jim Nash, Chairman
of the Drainage Board for the GEORGE W. KUHN DRAIN

FROM: Shawn Phelps, Chief of Fiscal Services *HP for Shawn Phelps*
OCWRC Accounting

DATE: February 25, 2025

SUBJECT: Request for Board approval of payment of the following invoice(s):

Payable To	Ref No.	For	Amount
Dickinson Wright PLLC	TBP	Invoice # 2006450 - Legal Services - 01/31/25	\$ 132.00
Dickinson Wright PLLC	TBP	Invoice # 2007184 - Legal Services - 01/31/25	4,048.00
Dickinson Wright PLLC	TBP	Invoice # 2007185 - Legal Services - 01/31/25	3,784.00
Dickinson Wright PLLC	TBP	Invoice # 2007182 - Legal Services - 01/31/25	17,820.00
Dickinson Wright PLLC	TBP	Invoice # 2007183 - Legal Services - 01/31/25	252.00
Dickinson Wright PLLC	TBP	Invoice # 2007186 - Legal Services - 01/31/25	3,828.00
Subtotal			\$ 29,864.00
HRC	SINV00312473	Invoice #0224133 -01/04/25 - Contracted Services -Proj 1-3484	2,717.97
Project # 1-3484 Total			\$ 2,717.97
Clinton River Watershed Council	SINV00318943	Invoice #1010 - Contracted Services - Proj 1-7467	749.16
Project # 1-7467 Total			\$ 749.16
Tetra Tech Inc	SINV00317650	Invoice # 52373420 - 01/24/25 - Contracted Services Proj 1-7541	200.00
Project # 1-7541 Total			\$ 200.00
Clinton River Watershed Council	SINV00318945	Invoice #1011 - Contracted Services - Proj 1-7235	2,151.77
Project # 1-7235 Total			\$ 2,151.77
Grand Total			\$ 35,682.90

7. Augusta Drain

AGENDA

DRAINAGE BOARD FOR THE AUGUSTA DRAIN

February 25, 2025

1. Call meeting to order
2. Approve minutes of meeting of January 28, 2025
3. Public Comments
4. Present Construction Estimate No. 1 for Pamar Enterprises for Construction of the Augusta Drain Drainage District Improvements - Storm System Rehabilitation in the amount of \$38,476.80 with a transfer to the Oakland County Treasurer in the amount of \$4,275.20
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE AUGUSTA DRAIN**

January 28, 2025

A meeting of the Drainage Board for the Augusta Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 28th day of January 2025.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

Gwen Markham, Chairperson of the Finance Committee, Oakland County Board of Commissioners

ABSENT: None.

Minutes of the meeting held December 17, 2024, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

Chairperson Nash asked if there were any public comments. There were none.

Construction Estimate No. 6 for T.R. Pieprzak Co., Inc., for Construction of the Augusta Drain Norton Street Innovation Project in the amount of \$68,821.05 was presented. It was moved by Markham, supported by Woodward, to approve Construction Estimate No. 6 for T.R. Pieprzak Co., Inc., for Construction of the Augusta Drain Norton Street Innovation Project in the amount of \$68,821.05 as presented.

ADOPTED: Yeas - 3
Nays - 0

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$5,531.39 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$5,531.39.

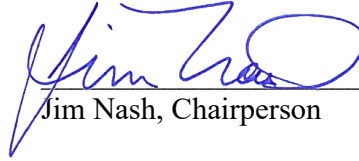
ADOPTED: Yeas - 3
Nays - 0

It was moved by Nash, supported by Markham, to certify attendance and authorize pro rata payment of \$25 per day to Mr. Woodward and Ms. Markham.

ADOPTED: Yeas - 3

Nays - 0

There being no further business, the meeting was adjourned.

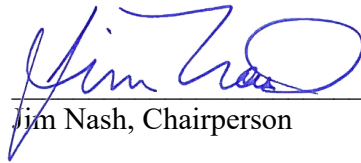


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Augusta Drain, Oakland County, Michigan, held on the 28th day of January 2025, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

I further certify that the notice of the meeting was posted at least 18 hours in advance of the meeting at the office of the Oakland County Water Resources Commissioner which is the principal office of the Drainage Board for the Augusta Drain Drainage District.



Jim Nash, Chairperson

Dated: January 28, 2025

Jim Nash, Oakland County Water Resources Commissioner
Augusta Drain Drainage District
For Construction of the Augusta Drain Drainage District Improvements- Stormsystem Rehabilitation
Pontiac, MI
Oakland County, Michigan

Construction Estimate No. 1

December 18, 2024 to January 31, 2025

Department No. : CCN6010101

Fund No. : FND84495

Project No. : PRJ-17557

Account No. : SC730373

Program No. : PRG149015

Activity : FAC

Vendor No. : 4186

Contract No. : CON00011821

Date of Contract : 12/18/2024

Completion Date : 7/31/2025

Contractor : Pamar Enterprises, Inc.
(Name & Address) 58021 Gratiot Avenue
New Haven, MI 48048

Original Contract Amount: \$454,587.94

Previous Change Order Numbers (none): \$0.00

Change Orders This Estimate Numbers (none): \$0.00

Total Net Change Orders: \$0.00

Adjusted Contract Amount: \$454,587.94

Subtotal To Date: (Sheet 2 of 2 Column 7) \$42,752.00

Less Deductions to Date: (Sheet 2 of 2 Column 7) \$0.00

Gross Estimate: (Work in Place) 9.40% \$42,752.00

Less Amount Reserved: (10% of Gross Estimate) \$4,275.20

Total Amount Allowed To Date: \$38,476.80

Less Previous Estimates: \$0.00

Net Payment Request To Be Paid To Contractor: \$38,476.80

Reserve Payment to Contractor \$0.00

Balance of Contract To Date \$411,835.94 Accounting Auditor: *KS* 2/19/25

Less Previous Transfers To Reserve: \$0.00

Amount of Current Transfer: \$4,275.20

Prepared by: _____
Geoff Wilson, P.E. - Chief Engineer (WRC)

Date: _____

Recommended by: *Fatemeh Babakhani*
Fatemeh Babakhani, P.E. - Consulting Engineer (HRC)

Date: 2/13/2025

Approved by: _____
Gary Nigro, P.E. - Manager (WRC)

Date: _____

Approved by Board on: _____

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

04/01/2022

Jim Nash, Oakland County Water Resources Commissioner
Augusta Drain Drainage District
For Construction of the Augusta Drain Drainage District Improvements- Stormsystem Rehabilitation
Pontiac, MI
Oakland County, Michigan

Construction Estimate No. 1		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Contract Item	Bid Quantity	Unit	Unit Price	Quantity This Payment	Total Quantity Previous Estimate	Total Quantity to Date	Total Amount to Date	Total Amount This Payment
1	Mobilization (Max 5%)	1.00	LS	\$ 20,000.00	0.75	0.0	0.8	\$15,000.00	\$15,000.00
2	Dr Structure, Rem	6.00	Ea	\$ 950.00		0.0	0.0	\$0.00	\$0.00
3	Dr Structure Cover and Frame, Type C (Catch Bsn	5.00	Ea	\$ 1,453.00		0.0	0.0	\$0.00	\$0.00
4	Dr Structure Cover and Frame, (Manhole), EJTW1045 w/1040 "storm" lic	1.00	Ea	\$ 1,125.00		0.0	0.0	\$0.00	\$0.00
5	Dr Structure, 48 inch Dia, 2ft sump, Pre- Cast Catchbasin	5.00	Ea	\$ 12,530.00		0.0	0.0	\$0.00	\$0.00
6	Dr Structure, 48 inch Dia, Pre- Cast Manhole	1.00	Ea	\$ 12,530.00		0.0	0.0	\$0.00	\$0.00
7	Clean and Televis, w/PACP Reporting, 12-15' incl	579.20	Lft	\$ 8.00	582.50	0.0	582.5	\$4,660.00	\$4,660.00
8	Clean and Televis, w/PACP Reporting, 24 inch	41.00	Lft	\$ 8.00	41.00	0.0	41.0	\$328.00	\$328.00
9	Clean and Televis, w/PACP Reporting, 36 inch	446.00	Lft	\$ 8.00	448.00	0.0	448.0	\$3,584.00	\$3,584.00
10	Clean and Televis, w/PACP Reporting, 42 inch	360.60	Lft	\$ 8.00		0.0	0.0	\$0.00	\$0.00
11	Sewer Lining, CIPP, 12-Inch Storm	241.10	Lft	\$ 260.00		0.0	0.0	\$0.00	\$0.00
12	Sewer Lining, CIPP, 15-Inch Storm	113.00	Lft	\$ 280.00		0.0	0.0	\$0.00	\$0.00
13	Internal Sewer Spot Liner, CIPP, 12 inch	16.00	Lft	\$ 1,350.00		0.0	0.0	\$0.00	\$0.00
14	Internal Sewer Spot Liner, CIPP, 24 inch	8.00	Lft	\$ 2,100.00		0.0	0.0	\$0.00	\$0.00
15	Internal Sewer Spot Liner, CIPP, 36 inch	8.00	Lft	\$ 2,500.00		0.0	0.0	\$0.00	\$0.00
16	Internal Sewer Spot Liner, CIPP, 42 inch	16.00	Lft	\$ 3,500.00		0.0	0.0	\$0.00	\$0.00
17	Sewer, Rem, Less than 24 inch	62.90	Lft	\$ 32.00		0.0	0.0	\$0.00	\$0.00
18	Sewer, C I E, 12 inch, Tr Det B	46.90	Lft	\$ 359.00		0.0	0.0	\$0.00	\$0.00
19	Sewer, C I E, 15 inch, Tr Det A	16.00	Lft	\$ 376.00		0.0	0.0	\$0.00	\$0.00
20	Dr Structure, Tap, 12 inch	5.00	Ea	\$ 2,450.00		0.0	0.0	\$0.00	\$0.00
21	Dr Structure, Tap, 15 inch	1.00	Ea	\$ 2,560.00		0.0	0.0	\$0.00	\$0.00
22	Pavt, Rem	76.88	Syd	\$ 55.00		0.0	0.0	\$0.00	\$0.00
23	Curb and Gutter, Rem	80.00	Ft	\$ 44.00		0.0	0.0	\$0.00	\$0.00
24	Sidewalk, Rem	8.67	Syd	\$ 34.00		0.0	0.0	\$0.00	\$0.00
25	Aggregate Base, 6 inch, Modified (As Needed	76.88	Syd	\$ 77.00		0.0	0.0	\$0.00	\$0.00
26	1.5" Thick Bituminous Mixture NO. 4C	6.34	Ton	\$ 500.00		0.0	0.0	\$0.00	\$0.00
27	2.5" Thick Bituminous Mixture NO.3C	10.57	Ton	\$ 500.00		0.0	0.0	\$0.00	\$0.00
28	Curb and Gutter, Conc, Match Existing	80.00	Lft	\$ 40.00		0.0	0.0	\$0.00	\$0.00
29	Sidewalk, Conc, 4 inch	8.67	Syd	\$ 110.00		0.0	0.0	\$0.00	\$0.00
30	Erosion Control, Silt Fence (As Needed	200.00	Ft	\$ 3.00		0.0	0.0	\$0.00	\$0.00
31	Erosion Control, Inlet Protection, Fabric Drop (As Needed	10.00	Ea	\$ 65.00		0.0	0.0	\$0.00	\$0.00
32	Fence, Protective (As Needed)	100.00	Lft	\$ 4.50		0.0	0.0	\$0.00	\$0.00
33	Site Restoration (As Needed)	10.00	Syd	\$ 55.00		0.0	0.0	\$0.00	\$0.00
34	Audio Video Route Survey	1.00	LS	\$ 1,680.00	1.00	0.0	1.0	\$1,680.00	\$1,680.00
35	Traffic Control	1.00	LS	\$ 35,000.00	0.50	0.0	0.5	\$17,500.00	\$17,500.00
36	Permit Allowance (10% of construction within the ROW	20,000.00	Dlr	\$ 1.00		0.0	0.0	\$0.00	\$0.00

Change Orders:

					0.0	0.0	\$0.00	\$0.00

Stored Material:

					0.0	0.0	\$0.00	\$0.00

Total Amount to Date	\$42,752.00
Total Amount This Estimate	\$42,752.00
Change Orders to Date	\$0.00
Change Orders This Estimate	\$0.00
Stored Materials to Date	\$0.00
Stored Materials This Estimate	\$0.00
Subtotal to Date	\$42,752.00
Subtotal This Estimate	\$42,752.00
Deductions to Date	\$0.00
Deductions This Estimate	\$0.00
Payment This Estimate	\$42,752.00
Less Transfer to Reserve	\$4,275.20
Net Payment	\$38,476.80

8/22/2022

Augusta Drain Project

Pontiac, Michigan

2/7/25

Pay Application 1

Dear Fatemeh Babakhani,

Please see attached pay app #1 dated through 1/31/25.

APPLICATION AND CERTIFICATE FOR PAYMENT

AIA DOCUMENT G702

PAGE 1 OF 2

TO (General Cont.): Hubbell Roth and Clark
555 Hullet Drive
Bloomfield Hills, Michigan 48302

PROJECT: Augusta Drain Project

APPLICATION NO: 1

PERIOD TO: 25-Jan-31

FROM (CONTRACTOR): Pamar Enterprises, Inc.
58021 Gratiot Avenue
New Haven, Michigan 48048
(586) 749-8593

VIA (ENGINEER): HRC

ENGINEERS
PROJECT NO: 20220896

ATTENTION: Fatemeh Babakhani

CONTRACT DATE: 12/18/2025

CONTRACT FOR:

CONTRACTOR'S APPLICATION FOR PAYMENT

CHANGE ORDER SUMMARY		
Change Orders Approved in Previous Months by Owner	ADDITIONS	DEDUCTIONS
TOTALS:		
Approved this Month		
Number		
Date Approved		
TOTALS:	\$ -	\$ -
Net Change by Change Orders:	\$ -	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: Pamar Enterprises, Inc.

By: Josh Rinke

Date: 2/7/2025

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the above application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

Application is made for Payment, as shown below, in connection with the Contract Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL CONTRACT SUM	\$ 454,587.94
2. Net change by Change Orders	\$ -
3. CONTRACT SUM TO DATE (Line 1+2)	\$ 454,587.94
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$ 42,752.00
5. RETAINAGE:	
10% of Contract Sum To Date	\$ 4,275.20
(Column D + E on G703)	
	\$ 22,729.38
6. TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5 Total)	\$ 38,476.80
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	\$ -
8. CURRENT PAYMENT DUE	\$ 38,476.80
9. BALANCE TO FINISH, PLUS RETAINAGE (Line 3 less Line 6)	\$ 416,111.14

State of: Michigan County of:

Subscribed and sworn to before me this day of

Notary Public:

My Commission expires:

AMOUNT CERTIFIED

(Attach explanation if amount certified differs from the amount applied for.)

ARCHITECT:

By:

Date:

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

PAMAR ENTERPRISES, INC.

58021 GRATIOT AVE.
NEW HAVEN, MI 48048
OFFICE (586) 749-8593
FAX (586) 749-8839

Job # 881-24
Date Prepared: 2/7/2025

Project Name

Augusta Drain

Engineer or Owner Info: Hubbel Roth and Clark
Oakland County WRC

ATTN: Fatemeh Babakhani

Partial Payment Application #1

Pay Period: 1/1/2025 Thru 1/31/2025

Item	Description	Bid Qty	Unit	Unit Price	Scheduled Value	Quantity his Estimate	Previous Qty/Date	Quantity To Date	Total This Estimate	Total Completed To Date	%
1	Mobilization (Max 5%)	1	LS	\$ 20,000.00	\$ 20,000.00	0.75		0.75		\$ 15,000.00	75.00%
2	Dr Struc, Rem	6	Ea	950	\$ 5,700.00			0.00		\$ -	0.00%
3	Dr Struc Cover & Frame, Type C (CB)	5	Ea	1453	\$ 7,265.00			0.00		\$ -	0.00%
4	Dr Struc Cover & Frame, (MH), EJ W1045 w/1040 "storm" lid	1	Ea	1125	\$ 1,125.00			0.00		\$ -	0.00%
5	Dr Struc, 48" Dia, 2' sump, Pre- Cast CB	5	Ea	12530	\$ 62,650.00			0.00		\$ -	0.00%
6	Dr Struc, 48" Dia, Pre- Cast MH	1	Ea	12530	\$ 12,530.00			0.00		\$ -	0.00%
7	Clean & TV, w/PACP Reporting, 12"-15"	579.2	Lft	8	\$ 4,633.60	582.50		582.50		\$ 4,660.00	100.57%
8	Clean & TV, w/PACP Reporting, 24"	41	Lft	8	\$ 328.00	41.00		41.00		\$ 328.00	100.00%
9	Clean & TV, w/PACP Reporting, 36"	446	Lft	8	\$ 3,568.00	448.00		448.00		\$ 3,584.00	100.45%
10	Clean & TV, w/PACP Reporting, 42"	360.6	Lft	8	\$ 2,884.80			0.00		\$ -	0.00%
11	Sewer Lining, CIPP, 12-inch Storm	241	Lft	\$ 260.00	\$ 62,686.00			0.00		\$ -	0.00%
12	Sewer Lining, CIPP, 15-inch Storm	113	Lft	280	\$ 31,640.00			0.00		\$ -	0.00%
13	Internal Sewer Spot Liner, CIPP, 12 inch	16	Lft	1350	\$ 21,600.00			0.00		\$ -	0.00%
14	Internal Sewer Spot Liner, CIPP, 24 inch	8	Lft	2100	\$ 16,800.00			0.00		\$ -	0.00%
15	Internal Sewer Spot Liner, CIPP, 36 inch	8	Lft	2500	\$ 20,000.00			0.00		\$ -	0.00%
16	Internal Sewer Spot Liner, CIPP, 42 inch	16	Lft	\$ 3,500.00	\$ 56,000.00			0.00		\$ -	0.00%
17	Sewer, Rem, Less than 24 inch	63	Lft	\$ 32.00	\$ 2,012.80			0.00		\$ -	0.00%
18	Sewer, CI E, 12 inch, Tr Det B	46.9	Lft	359	\$ 16,837.10			0.00		\$ -	0.00%
19	Sewer, CI E, 15 inch, Tr Det B	16	Lft	\$ 376.00	\$ 6,016.00			0.00		\$ -	0.00%
20	Dr Structure, Tap, 12 inch	5	Ea	2450	\$ 12,250.00			0.00		\$ -	0.00%
21	Dr Structure, Tap, 15 inch	1	Ea	2560	\$ 2,560.00			0.00		\$ -	0.00%
22	Pavt, Rem	77	Syd	55	\$ 4,228.40			0.00		\$ -	0.00%
23	Curb and Gutter, Rem	80	Ft	44	\$ 3,520.00			0.00		\$ -	0.00%
24	Sidewalk, Rem	8.67	Syd	34	\$ 294.78			0.00		\$ -	0.00%
25	Aggregate Base, 6 inch, Modified (As Needed)	76.88	Syd	77	\$ 5,919.76			0.00		\$ -	0.00%
26	1.5" Thick Bituminous Mixture No. 4C	6.34	Ton	500	\$ 3,170.00			0.00		\$ -	0.00%
27	2.5" Thick Bituminous Mixture No.3C	10.57	Ton	500	\$ 5,285.00			0.00		\$ -	0.00%
28	Curb and Gutter, Conc, Match Existing	80	Lft	40	\$ 3,200.00			0.00		\$ -	0.00%
29	Sidewalk, Conc, 4 inch	9	Syd	110	\$ 953.70			0.00		\$ -	0.00%
30	Silt Fence (As Needed)	200	Ft	3	\$ 600.00			0.00		\$ -	0.00%
31	Inlet Protection, Fabric Drop (As Needed)	10	Ea	65	\$ 650.00			0.00		\$ -	0.00%

Partial Payment Application #1

Pay Period: 1/1/2025 Thru 1/31/2025

Item	Description	Bid Qty	Unit	Unit Price	Scheduled Value	Quantity his Estimate	Previous Qty/Date	Quantity To Date	Total This Estimate	Total Completed To Date	%
32	Fence, Protective (As Needed)	100	Ft	4.5	\$ 450.00			0.00		\$ -	0.00%
33	Site Restoration	10	Syd	55	\$ 550.00			0.00		\$ -	0.00%
34	Audio Video Route Survey	1	LS	1680	\$ 1,680.00	1.00		1.00		\$ 1,680.00	100.00%
35	Traffic Control	1	LS	35000	\$ 35,000.00	0.50		0.50		\$ 17,500.00	50.00%
36.00	Permit Allowance (10% of construction within the ROW)	20,000	Dlr	\$ 1.00	\$ 20,000.00						

	Previous Payments	Retention
#1	\$0.00	\$4,275.20
#2	\$0.00	\$0.00
#3	\$0.00	\$0.00
#4	\$0.00	\$0.00
#5	\$0.00	\$0.00
#6	\$0.00	\$0.00
#7	\$0.00	\$0.00
#8	\$0.00	\$0.00
Total	\$0.00	\$4,275.20

Total Completed To Date : \$ 42,752.00

Total This Period : \$ 42,752.00

Total Retention To Date : 10% \$ 4,275.20

Retention This Period : 10% \$ 4,275.20

Less Previous Payments : \$0.00

Total Due This Estimate : \$ 38,476.80

CONTRACTOR'S DECLARATION

The undersigned, on behalf of Pamar Enterprises ("Contractor"), hereby declares that the Contractor has not, during the period commencing with the start of the Work which is the subject of the Contract defined below to following date: 12/18/24, 2024, performed any Work, furnished any material, sustained any loss, damage or delay for any reason, including soil conditions encountered or created, or otherwise done anything for which Contractor shall ask, demand, sue for, or claim compensation from the Oakland County Water Resources Commissioner, County Agency for the County of Oakland County on behalf of Pontiac Clinton River No.1 Drain Drainage District ("Owner"), or its agents, in addition to the original scope of Work specified in Oakland County Purchasing Contract Number 20220896 and, on this 7 day of February, 20 25 between Contractor and Owner, and in the Change Orders for additional or extra Work issued by the Owner, in writing, as provided thereunder and/or extension of time, except as set forth on the itemized statement attached hereto.

There ☐ is an itemized statement attached.

Date: 2/7/25

Contractor: Pamar Enterprises
Signature: *Josh Rinke*
Name: Josh Rinke
Title: Project Manager

Contractor
Address
Pamar Enterprises Inc
31604 Pamar Ct
New Haven, MI 48048

Project and Location
OCWRC - Augusta Drain

Payroll # 3
Week Ending 01/26/2025
Page # 1

<----- Day and Date ----->

Employee Information

Mon 1/20 Tue 1/21 Wed 1/22 Thu 1/23 Fri 1/24 Sat 1/25 Sun 1/26 Total Hours Pay Rate Work Classification

EDE, DALE															
385-02-9826	S	0				5.25		5.25	S	40.000	ENGI0324-008 G1				
Job Earn:	210.00		5.25	FICA:	150.19	FIT:	307.03	State:	83.44	Local/SDI:	4.54	Oth Deds:	0.00	Adj Net:	0.00
Tot Earn:	1,963.20	Tot Hrs:	45.75	Tot Deds:	545.20	Un Vac:	0.00	Benefits:	0.00	Un Misc:	0.00	Un Dues:	0.00	Net Pay:	1,418.00
											0.00		0.00		0.00
											0.00				
RITCHIE, WILLIAM															
572-11-3974	M	0				5.25		5.25	S	37.370	ENGI0324-008 G1				
Job Earn:	196.19		5.25	FICA:	90.70	FIT:	93.65	State:	50.39	Local/SDI:	4.54	Oth Deds:	0.00	Adj Net:	0.00
Tot Earn:	1,185.70	Tot Hrs:	29.75	Tot Deds:	239.28	Un Vac:	0.00	Benefits:	0.00	Un Misc:	0.00	Un Dues:	0.00	Net Pay:	946.42
											0.00		0.00		0.00
											0.00				
RABB, SAMUEL															
371-96-9793	S	0				5.00		5.00	S	28.000	LABO1076-005 G1				
Job Earn:	140.00		5.00	FICA:	64.78	FIT:	82.26	State:	35.98	Local/SDI:	3.18	Oth Deds:	0.00	Adj Net:	0.00
Tot Earn:	846.68	Tot Hrs:	28.00	Tot Deds:	186.20	Un Vac:	0.00	Benefits:	0.00	Un Misc:	0.00	Un Dues:	0.00	Net Pay:	660.48
											0.00		0.00		0.00
											0.00				
BAKER-HUITT, NATHAN															
379-15-3143	S	5				5.00		5.00	S	37.370	ENGI0324-008 G1				
Job Earn:	186.85		5.00	FICA:	70.25	FIT:	41.23	State:	15.33	Local/SDI:	3.32	Oth Deds:	0.00	Adj Net:	0.00
Tot Earn:	918.29	Tot Hrs:	23.75	Tot Deds:	130.13	Un Vac:	0.00	Benefits:	0.00	Un Misc:	0.00	Un Dues:	0.00	Net Pay:	788.16
											0.00		0.00		0.00
											0.00				

Emp. Count	Job Hours	Job Gross	FICA Taxes	FIT	State Taxes	Total Deduct	Total Gross	Adjustments	Net
4	20.50	733.04	375.92	524.17	185.14	1,100.81	4,913.87	0.00	3,813.06

Date 01/29/2025

I,
do hereby state:

(1) That I pay or supervise the payment of the persons employed by Pamar Enterprises Inc on the OCWRC - Augusta Drain ; that during the payroll period commencing on the 20 day of January , 2025 and ending the 26 day of January , 2025 , all persons employed on said project have been paid the full weekly wages earned, that no rebates have been or will be made either directly or indirectly to or on behalf of said Pamar Enterprises Inc from the full weekly wages earned by any person and that no deductions have been made either directly or indirectly from the full wages earned by any person, other than permissible deductions as defined in Regulations, Part 3 (29 CFR Subtitle A) issued by the Secretary of Labor under the Copeland Act, as amended (48 Stat. 948, 63 Stat. 108, 72 Stat. 967; 76 Stat. 357; 40 U.S.C. § 3145), and described below:

(2) That any payrolls otherwise under this contract required to be submitted for the above period are correct and complete; that the wage rates for laborers or mechanics contained therein are not less than the applicable wage rates contained in any wage determination incorporated into the contract; that the classifications set forth therein for each laborer or mechanic conform with the work he performed.

(3) That any apprentices employed in the above period are duly registered in a bona fide apprenticeship program registered with a State apprenticeship agency recognized by the Bureau of Apprenticeship and Training, United States Department of Labor, or if no such recognized agency exists in a State, are registered with the Bureau of Apprenticeship and Training, United States Department of Labor.

- (4) That:
- (a) Where fringe benefits are paid to approved plans, funds, or programs
- In addition to the basic hourly wage rates paid to each laborer or mechanic listed in the above referenced payroll, payments of fringe benefits as listed in the contract have been or will be made to appropriate programs for the benefit of such employees, except as noted in Section 4(c) below.
- (b) Where fringe benefits are paid in Cash
- Each laborer or mechanic listed in the above referenced payroll has been paid, as indicated on the payroll, an amount not less than the sum of the applicable basic hourly wage rate plus the amount of the required fringe benefits as listed in the contract, except as noted in Section 4(c) below.
- (c) Exceptions

Exception (Craft)	Explanation
_____	_____
_____	_____
_____	_____
_____	_____

Remarks

(Signature) Payton Miller

Contractor Pamar Enterprises Inc
Address 31604 Pamar Ct
New Haven, MI 48048

Project and Location
OCWRC - Augusta Drain

Payroll # 4
Week Ending 02/02/2025
Page # 1

<----- Day and Date ----->

Employee Information

Mon 1/27	Tue 1/28	Wed 1/29	Thu 1/30	Fri 1/31	Sat 2/1	Sun 2/2	Total Hours	Pay Rate	Work Classification
-------------	-------------	-------------	-------------	-------------	------------	------------	----------------	-------------	---------------------

GIBSON, JONATHON
XXX-XX-8012 S 0

			8.00				8.00 S	36.000	LABO0334-001 G5					
Job Earn:	288.00		8.00 FICA:	100.52	FIT:	155.53	State:	54.17	Local/SDI:	6.57	Oth Deds:	133.99 Adj Net:	0.00	
Tot Earn:	1,314.00	Tot Hrs:	36.50	Tot Deds:	450.78	Un Vac:	0.00	Benefits:	39.42	Un Misc:	0.00	Un Dues:	0.00 Net Pay:	863.22
									401K	39.42	41KLN4	38.62	41KLN7	33.23
									SUP-MUO	22.72				
										0.00		0.00		0.00
										0.00				

CARLETON, SONNY
XXX-XX-9687 S 0

			8.00				8.00 S	29.000	LABO0334-001 G1					
Job Earn:	232.00		8.00 FICA:	84.25	FIT:	105.87	State:	44.35	Local/SDI:	4.10	Oth Deds:	110.71 Adj Net:	0.00	
Tot Earn:	1,154.21	Tot Hrs:	35.50	Tot Deds:	349.28	Un Vac:	0.00	Benefits:	46.17	Un Misc:	0.00	Un Dues:	0.00 Net Pay:	804.93
									401K	57.71	125Eye	1.00	125BCBS	47.00
									125DEN	5.00				
										0.00		0.00		0.00
										0.00				

BENOIT, DONALD
XXX-XX-3198 M 0

			8.00				8.00 S	43.480	ENGI0324-005 G1					
Job Earn:	347.84		8.00 FICA:	130.78	FIT:	156.51	State:	72.66	Local/SDI:	9.28	Oth Deds:	158.72 Adj Net:	0.00	
Tot Earn:	1,855.55	Tot Hrs:	40.50	Tot Deds:	527.95	Un Vac:	0.00	Benefits:	0.00	Un Misc:	0.00	Un Dues:	0.00 Net Pay:	1,327.60
									125BCBS	136.00	125DEN	10.00	SUP-MUC	12.72
										0.00		0.00		0.00
										0.00				

WILSON, MICHAEL
XXX-XX-5415 S 0

			7.50				7.50 S	27.710	LABO0334-001 G1					
Job Earn:	207.83		7.50 FICA:	85.09	FIT:	119.81	State:	47.27	Local/SDI:	5.39	Oth Deds:	150.95 Adj Net:	0.00	
Tot Earn:	1,161.22	Tot Hrs:	35.00	Tot Deds:	408.51	Un Vac:	0.00	Benefits:	0.00	Un Misc:	0.00	Un Dues:	0.00 Net Pay:	752.71
									125Eye	1.00	125BCBS	43.00	125DEN	5.00
									FRIENDCT	101.95				
										0.00		0.00		0.00
										0.00				

WALKER, MICHAEL
XXX-XX-0493 M 1

			8.00				8.00 S	52.500	SALARY FOREMAN				
--	--	--	------	--	--	--	--------	--------	----------------	--	--	--	--

Contractor Pamar Enterprises Inc
Address 31604 Pamar Ct
New Haven, MI 48048

Project and Location
OCWRC - Augusta Drain

Payroll # 4
Week Ending 02/02/2025
Page # 2

<----- Day and Date ----->

Employee Information

				Mon 1/27	Tue 1/28	Wed 1/29	Thu 1/30	Fri 1/31	Sat 2/1	Sun 2/2	Total Hours	Pay Rate	Work Classification		
Job Earn:	420.00		8.00 FICA:	160.65		FIT:	193.44	State:	84.51	Local/SDI:	8.40	Oth Deds:	0.00	Adj Net:	0.00
Tot Earn:	2,100.00	Tot Hrs:	40.00	Tot Deds:	447.00	Un Vac:	0.00	Benefits:	0.00	Un Misc:	0.00	Un Dues:	0.00	Net Pay:	1,653.00
											0.00		0.00		0.00
											0.00				

EDE, DALE
XXX-XX-9826 S 0

10.00	11.50	10.50	8.00				40.00	S	40.000	ENGI0324-008 G1					
			1.75	6.50			8.25	O	60.000	ENGI0324-008 G1					
Job Earn:	2,095.00		48.25 FICA:	162.77		FIT:	343.56	State:	90.43	Local/SDI:	10.64	Oth Deds:	0.00	Adj Net:	0.00
Tot Earn:	2,127.72	Tot Hrs:	48.25	Tot Deds:	607.40	Un Vac:	0.00	Benefits:	0.00	Un Misc:	0.00	Un Dues:	0.00	Net Pay:	1,520.32
											0.00		0.00		0.00
											0.00				

RITCHIE, WILLIAM
XXX-XX-3974 M 0

10.00	10.75	9.50	9.00	0.75			40.00	S	37.370	ENGI0324-008 G1					
				4.75			4.75	O	56.060	ENGI0324-008 G1					
Job Earn:	1,761.09		44.75 FICA:	145.28		FIT:	179.25	State:	80.71	Local/SDI:	9.50	Oth Deds:	0.00	Adj Net:	0.00
Tot Earn:	1,899.01	Tot Hrs:	44.75	Tot Deds:	414.74	Un Vac:	0.00	Benefits:	0.00	Un Misc:	0.00	Un Dues:	0.00	Net Pay:	1,484.27
											0.00		0.00		0.00
											0.00				

RABB, SAMUEL
XXX-XX-9793 S 0

9.25	10.25	9.25	8.75	2.50			40.00	S	28.000	LABO1076-005 G1					
				3.00			3.00	O	42.000	LABO1076-005 G1					
Job Earn:	1,246.00		43.00 FICA:	104.68		FIT:	176.16	State:	58.15	Local/SDI:	6.84	Oth Deds:	0.00	Adj Net:	0.00
Tot Earn:	1,368.32	Tot Hrs:	43.00	Tot Deds:	345.83	Un Vac:	0.00	Benefits:	0.00	Un Misc:	0.00	Un Dues:	0.00	Net Pay:	1,022.49
											0.00		0.00		0.00
											0.00				

BAKER-HUITT, NATHAN
XXX-XX-3143 S 5

8.50	10.75	9.00		5.00			33.25	S	37.370	ENGI0324-008 G1					
------	-------	------	--	------	--	--	-------	---	--------	-----------------	--	--	--	--	--

Payroll # 4
Week Ending 02/02/2025
Page # 3

<----- Day and Date ----->

Employee Information

Employee Information				Mon 1/27	Tue 1/28	Wed 1/29	Thu 1/30	Fri 1/31	Sat 2/1	Sun 2/2	Total Hours	Pay Rate	Work Classification		
Job Earn:	1,242.55		33.25 FICA:	103.83	FIT:	93.90	State:	33.98	Local/SDI:		6.79	Oth Deds:	13.91	Adj Net:	0.00
Tot Earn:	1,357.19	Tot Hrs:	33.25	Tot Deds:	252.41	Un Vac:	0.00	Benefits:	0.00	Un Misc:	0.00	Un Dues:	0.00	Net Pay:	1,104.78
										FRIENDCT	13.91				
											0.00		0.00		0.00
											0.00				

Emp. Count	Job Hours	Job Gross	FICA Taxes	FIT	State Taxes	Total Deduct	Total Gross	Adjustments	Net
9	208.75	7,840.31	1,077.85	1,524.03	566.23	3,803.90	14,337.22	0.00	10,533.32

Date 02/06/2025

I,
do hereby state:

- (1) That I pay or supervise the payment of the persons employed by Pamar Enterprises Inc on the OCWRC - Augusta Drain ; that during the payroll period commencing on the 27 day of January , 2025 and ending the 2 day of February , 2025 , all persons employed on said project have been paid the full weekly wages earned, that no rebates have been or will be made either directly or indirectly to or on behalf of said Pamar Enterprises Inc from the full weekly wages earned by any person and that no deductions have been made either directly or indirectly from the full wages earned by any person, other than permissible deductions as defined in Regulations, Part 3 (29 CFR Subtitle A) issued by the Secretary of Labor under the Copeland Act, as amended (48 Stat. 948, 63 Stat. 108, 72 Stat. 967; 76 Stat. 357; 40 U.S.C. § 3145), and described below:

- (2) That any payrolls otherwise under this contract required to be submitted for the above period are correct and complete; that the wage rates for laborers or mechanics contained therein are not less than the applicable wage rates contained in any wage determination incorporated into the contract; that the classifications set forth therein for each laborer or mechanic conform with the work he performed.
- (3) That any apprentices employed in the above period are duly registered in a bona fide apprenticeship program registered with a State apprenticeship agency recognized by the Bureau of Apprenticeship and Training, United States Department of Labor, or if no such recognized agency exists in a State, are registered with the Bureau of Apprenticeship and Training, United States Department of Labor.

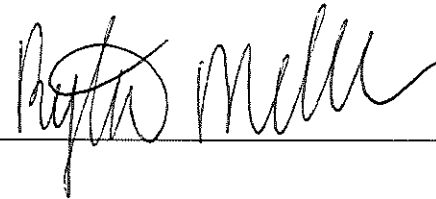
(4) That:

- (a) Where fringe benefits are paid to approved plans, funds, or programs
In addition to the basic hourly wage rates paid to each laborer or mechanic listed in the above referenced payroll, payments of fringe benefits as listed in the contract have been or will be made to appropriate programs for the benefit of such employees, except as noted in Section 4(c) below.
- (b) Where fringe benefits are paid in Cash
Each laborer or mechanic listed in the above referenced payroll has been paid, as indicated on the payroll, an amount not less than the sum of the applicable basic hourly wage rate plus the amount of the required fringe benefits as listed in the contract, except as noted in Section 4(c) below.
- (c) Exceptions

Exception (Craft)	Explanation
-------------------	-------------

Remarks

(Signature)



(Name and Title)

The willful falsification of any of the above statements may subject the contractor or subcontractor to civil or criminal prosecution. See Section 1001 of Title 18 and Section 231 of Title 31 of the United States Code.

Pamar Enterprises, Inc.
Certified Payroll / Benefits Reconciliation
OCWRC - Augusta Drain Storm System Rehab
Job # 881-24

CLASSIFICATION: SEWER LINING OPERATOR - ENGI0324-008				
	GROUP 1 - Regular Wage	GROUP 1 - Overtime Wage	GROUP 2 - Regular Wage	GROUP 2 - Overtime Wage
Wage:	\$ 37.37	\$ 56.06	\$ 35.33	\$ 53.00
Fringe:	\$ 15.44	\$ 15.44	\$ 15.44	\$ 15.44
TOTAL:	\$ 52.81	\$ 71.50	\$ 50.77	\$ 68.44

Week End: 02/02/2025					
EMPLOYEE NAME	Group 1 Regular Hrs	Group 1 Overtime Hrs	Group 2 Regular Hrs	Group 2 Overtime Hrs	TOTAL CASH BENEFIT
DALE EDE	40	8.25			DALE EDE
Payroll Wage:	\$ 1,600.00	\$ 495.00	\$ -	\$ -	
Payroll Wage w/Fringe:	\$ 2,112.40	\$ 589.88	\$ -	\$ -	
DIFFERENCE:	\$ 512.40	\$ 94.88	\$ -	\$ -	
LESS: 401(k) Contribution:	\$ 422.48	\$ 83.08	\$ -	\$ -	\$ 401(k)= 505.56
LESS: Insurance Fringe:	\$ 57.20	\$ 11.80	\$ -	\$ -	
Cash Benefit Owed:	\$ 32.72	\$ (0.00)	\$ -	\$ -	\$ 32.72
WILLIAM RITCHIE	40	4.75			WILLIAM RITCHIE
Payroll Wage:	\$ 1,494.80	\$ 266.29	\$ -	\$ -	
Payroll Wage w/Fringe:	\$ 2,112.40	\$ 339.63	\$ -	\$ -	
DIFFERENCE:	\$ 617.60	\$ 73.34	\$ -	\$ -	
LESS: 401(k) Contribution:	\$ 422.48	\$ 66.55	\$ -	\$ -	\$ 401(k)= 489.03
LESS: Insurance Fringe:	\$ 57.20	\$ 6.79	\$ -	\$ -	
Cash Benefit Owed:	\$ 137.92	\$ 0.00	\$ -	\$ -	\$ 137.93
NATHAN BAKER	33.25				NATHAN BAKER
Payroll Wage:	\$ 1,242.55	\$ -	\$ -	\$ -	
Payroll Wage w/Fringe:	\$ 1,755.93	\$ -	\$ -	\$ -	
DIFFERENCE:	\$ 513.38	\$ -	\$ -	\$ -	
LESS: 401(k) Contribution:	\$ 351.19	\$ -	\$ -	\$ -	\$ 401(k)= 351.19
LESS: Insurance Fringe:	\$ 47.55	\$ -	\$ -	\$ -	
Cash Benefit Owed:	\$ 114.64	\$ -	\$ -	\$ -	\$ 114.64

Pamar Enterprises, Inc.
Certified Payroll / Benefits Reconciliation
OCWRC - Augusta Drain Storm System Rehab
Job # 881-24

CLASSIFICATION: SEWER LINING LABORER - LABO1076-005 Zone 1				
	GROUP 1 - Regular Wage	GROUP 1 - Overtime Wage	Pipelayer - Regular Wage	Pipelayer - Overtime Wage
Wage:	\$ 27.16	\$ 40.74	\$ 27.56	\$ 41.34
Fringe:	\$ 13.45	\$ 13.45	\$ 13.45	\$ 13.45
TOTAL:	\$ 40.61	\$ 54.19	\$ 41.01	\$ 54.79

Week End: 02/02/2024					
EMPLOYEE NAME	Group 1 Regular Hrs	Group 1 Overtime Hrs	Pipelayer Regular Hrs	Pipelayer Overtime Hrs	TOTAL CASH BENEFIT
SAMUEL RABB	40	3			SAMUEL RABB
Payroll Wage:	\$ 1,120.00	\$ 126.00	\$ -	\$ -	<div style="text-align: right;">401(k)= 357.16</div>
Payroll Wage w/Fringe:	\$ 1,624.40	\$ 162.57	\$ -	\$ -	
DIFFERENCE:	\$ 504.40	\$ 36.57	\$ -	\$ -	
LESS: 401(k) Contribution:	\$ 324.88	\$ 32.28	\$ -	\$ -	
LESS: Insurance Fringe:	\$ 57.20	\$ 4.29	\$ -	\$ -	
Cash Benefit Owed:	\$ 122.32	\$ (0.00)	\$ -	\$ -	\$ 122.32
					0
Payroll Wage:	\$ -	\$ -	\$ -	\$ -	<div style="text-align: right;">401(k)= -</div>
Payroll Wage w/Fringe:	\$ -	\$ -	\$ -	\$ -	
DIFFERENCE:	\$ -	\$ -	\$ -	\$ -	
LESS: 401(k) Contribution:	\$ -	\$ -	\$ -	\$ -	
LESS: Insurance Fringe:	\$ -	\$ -	\$ -	\$ -	
Cash Benefit Owed:	\$ -	\$ -	\$ -	\$ -	\$ -

Pamar Enterprises, Inc.
Certified Payroll / Benefits Reconciliation
OCWRC - Augusta Drain Storm System Rehab
Job # 881-24

CLASSIFICATION: Open Cut Operator - ENGI0324-005				
	GROUP 1 - Regular Wage	GROUP 1 - Overtime Wage	GROUP 4 - Regular Wage	GROUP 4 - Overtime Wage
Wage:	\$ 43.48	\$ 65.22	\$ 37.45	\$ 56.18
Fringe:	\$ 25.25	\$ 25.25	\$ 25.25	\$ 25.25
TOTAL:	\$ 68.73	\$ 90.47	\$ 62.70	\$ 81.43

Week End: 02/02/2025					
EMPLOYEE NAME	Group 1 Regular Hrs	Group 1 Overtime Hrs	Group 4 Regular Hrs	Group 4 Overtime Hrs	TOTAL CASH BENEFIT
Don Benoit	8				Don Benoit
Payroll Wage:	\$ 347.84	\$ -	\$ -	\$ -	<div style="text-align: right;">401(k)= 109.97</div>
Payroll Wage w/Fringe:	\$ 549.84	\$ -	\$ -	\$ -	
DIFFERENCE:	\$ 202.00	\$ -	\$ -	\$ -	
LESS: 401(k) Contribution:	\$ 109.97	\$ -	\$ -	\$ -	
LESS: Insurance Fringe:	\$ 62.64	\$ -	\$ -	\$ -	
Cash Benefit Owed:	\$ 29.39	\$ -	\$ -	\$ -	\$ 29.39
					0
Payroll Wage:	\$ -	\$ -	\$ -	\$ -	<div style="text-align: right;">401(k)= -</div>
Payroll Wage w/Fringe:	\$ -	\$ -	\$ -	\$ -	
DIFFERENCE:	\$ -	\$ -	\$ -	\$ -	
LESS: 401(k) Contribution:	\$ -	\$ -	\$ -	\$ -	
LESS: Insurance Fringe:	\$ -	\$ -	\$ -	\$ -	
Cash Benefit Owed:	\$ -	\$ -	\$ -	\$ -	\$ -

Pamar Enterprises, Inc.
Certified Payroll / Benefits Reconciliation
OCWRC - Augusta Drain Storm System Rehab
Job # 881-24

CLASSIFICATION: Open Cut Laborer - LABO0334-001 Zone 1						
	GROUP 1 - Regular Wage	GROUP 1 - Overtime Wage	GROUP 5 - Regular Wage	GROUP 5 - Overtime Wage	GROUP 7 - Regular Wage	GROUP 7 - Overtime Wage
Wage:	\$ 27.71	\$ 41.57	\$ 24.17	\$ 36.26	\$ 17.84	\$ 26.76
Fringe:	\$ 22.11	\$ 22.11	\$ 16.72	\$ 16.72	\$ 16.72	\$ 16.72
TOTAL:	\$ 49.82	\$ 63.68	\$ 40.89	\$ 52.98	\$ 34.56	\$ 43.48

Week End: 02/02/2025							
EMPLOYEE NAME	Group 1 Regular Hrs	Group 1 Overtime Hrs	Group 5 Regular Hrs	Group 5 Overtime Hrs	Group 7 Regular Hrs	Group 7 Overtime Hrs	TOTAL CASH BENEFIT
Sonny Carleton	8						Sonny Carleton
Payroll Wage:	\$ 232.00	\$ -	\$ -	\$ -	\$ -	\$ -	
Payroll Wage w/Fringe:	\$ 398.56	\$ -	\$ -	\$ -	\$ -	\$ -	
DIFFERENCE:	\$ 166.56	\$ -	\$ -	\$ -	\$ -	\$ -	
LESS: 401(k) Contribution:	\$ 79.71	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 401(k)= 79.71
LESS: Insurance Fringe:	\$ 32.48	\$ -	\$ -	\$ -	\$ -	\$ -	
Cash Benefit Owed:	\$ 54.37	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54.37
Johnathon Gibson			8				Johnathon Gibson
Payroll Wage:	\$ -	\$ -	\$ 288.00	\$ -	\$ -	\$ -	
Payroll Wage w/Fringe:	\$ -	\$ -	\$ 327.12	\$ -	\$ -	\$ -	
DIFFERENCE:	\$ -	\$ -	\$ 39.12	\$ -	\$ -	\$ -	
LESS: 401(k) Contribution:	\$ -	\$ -	\$ 27.68	\$ -	\$ -	\$ -	\$ 401(k)= 27.68
LESS: Insurance Fringe:	\$ -	\$ -	\$ 11.44	\$ -	\$ -	\$ -	
Cash Benefit Owed:	\$ -	\$ -	\$ (0.00)	\$ -	\$ -	\$ -	\$ (0.00)
Michael Wilson	7.5						Michael Wilson
Payroll Wage:	\$ 207.83	\$ -	\$ -	\$ -	\$ -	\$ -	
Payroll Wage w/Fringe:	\$ 373.65	\$ -	\$ -	\$ -	\$ -	\$ -	
DIFFERENCE:	\$ 165.83	\$ -	\$ -	\$ -	\$ -	\$ -	
LESS: 401(k) Contribution:	\$ 74.73	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 401(k)= 74.73
LESS: Insurance Fringe:	\$ 28.73	\$ -	\$ -	\$ -	\$ -	\$ -	
Cash Benefit Owed:	\$ 62.37	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62.37

8. Pontiac Clinton River #1 Drain

AGENDA

DRAINAGE BOARD FOR THE PONTIAC CLINTON RIVER NO. 1 DRAIN

February 25, 2025

1. Call meeting to order
2. Approve minutes of meeting of January 28, 2025
3. Public Comments
4. Present Construction Estimate No. 1 for Pamar Enterprises for Construction of the PCR No. 1 Drain Drainage District Improvements in the amount of \$59,685.66 with a transfer to the Oakland County Treasurer in the amount of \$6,631.74
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE PONTIAC CLINTON RIVER NO. 1 DRAIN**

January 28, 2025

A meeting of the Drainage Board for the Pontiac Clinton River No. 1 Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 28th day of January 2025.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

Gwen Markham, Chairperson of the Finance Committee, Oakland County Board of Commissioners

ABSENT: None.

Minutes of the meeting held October 22, 2024, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

Chairperson Nash asked if there were any public comments. There were none.

A memorandum from Jeffrey Parrott, Supervisor, Right of Way, dated January 28, 2025, requesting the Board authorize the Chairperson to sign documents necessary to provide access to Michigan Bell's gated parking lot was presented. It was moved by Markham, supported by Woodward, to authorize the Chairperson to sign documents necessary to provide access to Michigan Bell's gated parking lot as presented.

ADOPTED: Yeas - 3
Nays - 0

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$3,044.58 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$3,044.58.

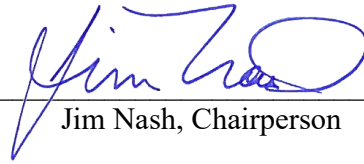
ADOPTED: Yeas - 3
Nays - 0

It was moved by Nash, supported by Markham, to certify attendance and authorize pro rata payment of \$25 per day to Mr. Woodward and Ms. Markham.

ADOPTED: Yeas - 3

Nays - 0

There being no further business, the meeting was adjourned.




Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Pontiac Clinton River No. 1 Drain, Oakland County, Michigan, held on the 28th day of January 2025, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

I further certify that the notice of the meeting was posted at least 18 hours in advance of the meeting at the office of the Oakland County Water Resources Commissioner which is the principal office of the Drainage Board for the Pontiac Clinton River No. 1 Drain Drainage District.



Jim Nash, Chairperson

Dated: January 28, 2025

Jim Nash, Oakland County Water Resources Commissioner
Pontiac-Clinton River No. 1 Drain Drainage District
For Construction of the Pontiac-Clinton River (PCR) No. 1 Drain Drainage District Improvements
Pontiac, MI
Oakland County, Michigan

Construction Estimate No. 1

November 27, 2024 to January 31, 2025

Department No. : CCN6010101

Fund No. : FND84447

Project No. : PRJ-17559

Account No. : SC730373

Program No. : PRG149015

Activity : FAC

Vendor No. : 4186

Contract No. :

Contractor :
(Name & Address)

Pamar Enterprises, Inc.

58021 Gratiot Avenue

New Haven, MI 48048

Date of Contract : 11/27/2024

Completion Date : 3/10/2025

Original Contract Amount:	\$611,258.52	•
Previous Change Order Numbers (none):	\$0.00	
Change Orders This Estimate Numbers (none):	\$0.00	
Total Net Change Orders:	\$0.00	
Adjusted Contract Amount:	\$611,258.52	
Subtotal To Date: (Sheet 2 of 2 Column 7)	\$66,317.40	
Less Deductions to Date: (Sheet 2 of 2 Column 7)	\$0.00	
Gross Estimate: (Work in Place)	10.85%	\$66,317.40
Less Amount Reserved: (10% of Gross Estimate)		\$6,631.74
Total Amount Allowed To Date:		\$59,685.66
Less Previous Estimates:		\$0.00
Net Payment Request To Be Paid To Contractor:		\$59,685.66
Reserve Payment to Contractor		\$0.00
Balance of Contract To Date	\$544,941.12	Accounting Auditor: <i>KS</i> 2/19/25
Less Previous Transfers To Reserve:		\$0.00
Amount of Current Transfer:		\$6,631.74

Prepared by: _____
 Geoff Wilson, P.E. - Chief Engineer (WRC)

Date: _____

Recommended by: *Fatemeh Babakhani*
 Fatemeh Babakhani, P.E. - Consulting Engineer (HRC)

Date: 2/13/2025

Approved by: _____
 Gary Nigro, P.E. - Manager (WRC)

Date: _____

Approved by Board on: _____

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

9. Bishop Drain

AGENDA

DRAINAGE BOARD FOR THE BISHOP DRAIN

February 25, 2025

1. Call meeting to order
2. Approve minutes of meeting of February 27, 2024
3. Public Comments
4. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$1,041.09
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE BISHOP DRAIN**

February 27, 2024

A meeting of the Drainage Board for the Bishop Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 27th day of February 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

Gwen Markham, Chairperson of the Finance Committee, Oakland County Board of Commissioners

David Woodward, Chairperson of the Oakland County Board of Commissioners

ABSENT: None.

Minutes of the meeting held August 22, 2023, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

Chairperson Nash asked if there were any public comments. There were none.


A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$18,600 for the Bishop Drain (as attached) were presented. It was moved by Markham, supported by Woodward, to adopt the Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$18,600 as presented.

ADOPTED: Yeas - 3
Nays - 0

It was moved by Nash, supported by Markham, to certify attendance and authorize pro rata payment of \$25 per day to Ms. Markham and Mr. Woodward.

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.

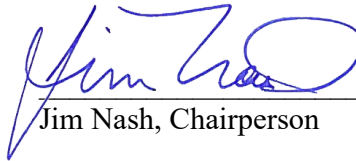


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Bishop Drain, Oakland County, Michigan, held on the 27th day of February 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

I further certify that the notice of the meeting was posted at least 18 hours in advance of the meeting at the office of the Oakland County Water Resources Commissioner which is the principal office of the Drainage Board for the Bishop Drain Drainage District.



Jim Nash, Chairperson

Dated: February 27, 2024

MEMO TO: Mr. Jim Nash, Chairman
of the Drainage Board for the BISHOP DRAIN

FROM: Shawn Phelps, Chief of Fiscal Services *HP for Shawn Phelps*
OCWRC Accounting

DATE: February 25, 2025

SUBJECT: Request for Reimbursement of Drain Revolving Fund

The following is a detail of charges paid from the Drain Revolving Fund

Ref No.	Paid To	For	Amount
SINV00314415	Hubbell Roth & Clark Inc	Invoice # 0223680 - Constructed Services - 11/09/24	\$ 1,041.09
		Total	<u>\$ 1,041.09</u>

10. Caddell Drain

AGENDA

DRAINAGE BOARD FOR THE CADDELL DRAIN

February 25, 2025

1. Call meeting to order
2. Approve minutes of meeting of November 26, 2024
3. Public Comments
4. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$7,023.92
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE CADDELL DRAIN**

November 26, 2024

A meeting of the Drainage Board for the Caddell Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 26th day of November 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

Gwen Markham, Chairperson of the Finance Committee, Oakland County Board of Commissioners

ABSENT: None.

Minutes of the meeting held July 23, 2024, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

Chairperson Nash asked if there were any public comments. There were none.

A memorandum from Jeff Parrott, Right of Way Supervisor, dated November 26, 2024, requesting the Board authorize the Chairperson to sign the easement allowing the City of Farmington Hills to operate and maintain the water main within district property was presented. It was moved by Markham, supported by Woodward, to authorize the Chairperson to sign the easement allowing the City of Farmington Hills to operate and maintain the water main within district property as presented.

ADOPTED: Yeas - 3
Nays - 0

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$4,026.00 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$4,026.00.

ADOPTED: Yeas - 3
Nays - 0

It was moved by Nash, supported by Markham, to certify attendance and authorize pro rata payment of \$25 per day to Mr. Woodward and Ms. Markham.

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.

Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Caddell Drain, Oakland County, Michigan, held on the 26th day of November 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

I further certify that the notice of the meeting was posted at least 18 hours in advance of the meeting at the office of the Oakland County Water Resources Commissioner which is the principal office of the Drainage Board for the Caddell Drain Drainage District.

Jim Nash, Chairperson

Dated: November 26, 2024

MEMO TO: Mr. Jim Nash, Chairman
of the Drainage Board for the CADDELL DRAIN

FROM: Shawn Phelps, Chief of Fiscal Services *for Shawn Phelps*
OCWRC Accounting

DATE: February 25, 2025

SUBJECT: Request for Board approval of payment of the following invoice(s):

Ref				
No.	Paid To		For	Amount
SINV00314415	Hubbell Roth and Clark Inc	Invoice # 0223680 -	Contracted Services - 11/09/2024	\$ 7,023.92
			Total	\$ 7,023.92

11. Tribute Drain

AGENDA

DRAINAGE BOARD FOR THE TRIBUTE DRAIN

February 25, 2025

1. Call meeting to order
2. Approve minutes of meeting of September 24, 2024
3. Public Comments
4. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$1,318.72
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE TRIBUTE DRAIN**

September 24, 2024

A meeting of the Drainage Board for the Tribute Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 24th day of September 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

Gwen Markham, Chairperson of the Finance Committee, Oakland County Board of Commissioners

ABSENT: None.

Minutes of the meeting held August 27, 2024, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

Chairperson Nash asked if there were any public comments. There were none.

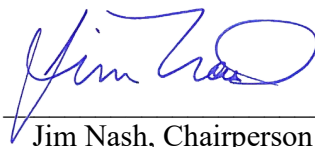
A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$84,500.00 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$84,500.00.

ADOPTED: Yeas - 3
Nays - 0

It was moved by Nash, supported by Markham, to certify attendance and authorize pro rata payment of \$25 per day to Mr. Woodward and Ms. Markham.

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.




Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Tribute Drain, Oakland County, Michigan, held on 24th day of September 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

I further certify that the notice of the meeting was posted at least 18 hours in advance of the meeting at the office of the Oakland County Water Resources Commissioner which is the principal office of the Drainage Board for the Tribute Drain Drainage District.



Jim Nash, Chairperson

Dated: September 24, 2024

MEMO TO: Mr. Jim Nash, Chairman
of the Drainage Board for the TRIBUTE DRAIN

FROM: Shawn Phelps, Chief of Fiscal Services *HP for Shawn Phelps*
OCWRC Accounting

DATE: February 25, 2025

SUBJECT: Request for Board approval of the payment of the following invoices:

Paid To	Reference	For	Amount
Hubbell Roth and Clark Inc	SINV00314415	Invoice # 0223680 - Contracted Services - 11/09/2024	\$ 1,318.72
		Grand Total	\$ 1,318.72

12. City of Pontiac Wastewater Treatment Facility

AGENDA
DRAINAGE BOARD FOR
THE CITY OF PONTIAC WASTEWATER TREATMENT FACILITY

February 25, 2025

1. Call meeting to order
2. Approve minutes of meeting of June 25, 2024
3. Public Comments
4. Closed Session pursuant to Section 8(h) of the Open Meetings Act to discuss an attorney-client memorandum from Chief Legal Officer Kelsey Cooke
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE CITY OF PONTIAC WASTEWATER TREATMENT FACILITY**

June 25, 2024

A meeting of the Drainage Board for the City of Pontiac Wastewater Treatment Facility was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 25th day of June 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

ABSENT: Gwen Markham, Chairperson of the Finance Committee, Oakland County Board of Commissioners

Minutes of the meeting held March 26, 2024, were presented for consideration. It was moved by Woodward, supported by Nash, that the minutes be approved.

ADOPTED: Yeas - 2
Nays - 0

Chairperson Nash asked if there were any public comments. There were none.


A memorandum from Kelsey Cooke, Manager and Chief Legal Officer, dated June 25, 2024, requesting the Board authorize staff to negotiate access drive improvement cost sharing, easements, and authorize the Chairperson to agree to pay a share of the road improvement costs was presented. It was moved by Woodward, supported by Nash, to authorize staff to negotiate access drive improvement cost sharing, easements, and authorize the Chairperson to agree to pay a share of the road improvement costs as presented.

ADOPTED: Yeas - 2
Nays - 0

It was moved by Nash, supported by Woodward, to certify attendance and authorize pro rata payment of \$25 per day to Mr. Woodward.

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.




Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the City of Pontiac Wastewater Treatment Facility, Oakland County, Michigan, held on the 25th day of June 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

I further certify that the notice of the meeting was posted at least 18 hours in advance of the meeting at the office of the Oakland County Water Resources Commissioner which is the principal office of the Drainage Board for the City of Pontiac Wastewater Treatment Facility Drainage District.



Jim Nash, Chairperson

Dated: June 25, 2024

13. Evergreen-Farmington Sanitary Drain

AGENDA

DRAINAGE BOARD FOR THE EVERGREEN-FARMINGTON SANITARY DRAIN

February 25, 2025

1. Call meeting to order
2. Approve minutes of meeting of January 28, 2025
3. Public Comments
4. Present Memorandum from Philip Kerby, P.E., Operations Engineer, dated February 25, 2025, requesting the Board add the rehabilitation project to the capital improvement plan with a design budget of \$84,900 and award the engineering services contract to Fishbeck, Inc. in the amount of \$76,900
5. Present Memorandum from Evans Bantios, P.E., Chief Engineer, dated February 25, 2025, requesting the Board receive and file the Walnut 1 Corrective Action Plan – Project Cost Summary
6. Present Change Order No. 4 for Construction of the Lathrup Village Sanitary Retention Tank Improvements for a net increase in the amount of \$2,721.70
7. Present Construction Estimate No. 35 for Walsh Construction Company II, LLC for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$ 1,027,566.44
8. Present Construction Estimate No. 3 for SAK Construction for Design and Construction of the Southfield Sewer Lining Project in the amount of \$63,495.50 with a transfer to the Oakland County Treasurer in the amount of \$7,055.06
9. Present request for Board approval of payment of invoices from the Evergreen Farmington Sanitary Drain from the Maintenance Fund in the amount of \$240,117.97
10. Present request for Board approval of payment of invoices from the Evergreen Farmington Sanitary Drain from the Construction Fund in the amount of \$121,048.14
11. Closed Session pursuant to Section 8(h) of the Open Meetings Act to discuss an attorney-client memorandum from Chief Legal Officer Kelsey Cooke
12. Present Resolution regarding Cedaridge Apartments Claim and Lawsuit
13. Other business
14. Approve pro rata payment to Drainage Board members
15. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE EVERGREEN -FARMINGTON SANITARY DRAIN**

January 28, 2025

A meeting of the Drainage Board for the Evergreen-Farmington Sanitary Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 28th day of January 2025.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

Gwen Markham, Chairperson of the Finance Committee, Oakland County Board of Commissioners

ABSENT: None.

Minutes of the meeting held December 17, 2024, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

Chairperson Nash asked if there were any public comments. There were none.

A memorandum from Scott Schultz, Project Engineer, dated January 28, 2025, requesting the Board to approve the Engineering Work Order for Fishbeck Inc., to proceed with the proposed design engineering and bidding services for an amount not-to-exceed \$441,569 and revise the Drake Pump Station rehabilitation project budget in the amount of \$322,000 and the Thornbrook Pump Station rehabilitation project budget in the amount of \$320,000 was presented. It was moved by Markham, supported by Woodward, to approve the Engineering Work Order for Fishbeck Inc., to proceed with the proposed design engineering and bidding services for an amount not-to-exceed \$441,569 and revise the Drake Pump Station rehabilitation project budget in the amount of \$322,000 and the Thornbrook Pump Station rehabilitation project budget in the amount of \$320,000 as presented.

ADOPTED: Yeas - 3
Nays - 0

Construction Estimate No. 34 for Walsh Construction Company II, LLC for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$1,534,031.80 was presented. It was moved by Markham, supported by Woodward, to approve Construction Estimate No. 34 for Walsh Construction Company II, LLC for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$1,534,031.80 as presented.

ADOPTED: Yeas - 3
Nays - 0

Construction Estimate No. 10 for Midwest Power System for Construction of the Lathrup SRT in the amount of \$50,054.57 was presented. It was moved by Markham, supported by Woodward, to approve Construction Estimate No. 10 for Midwest Power System for Construction of the Lathrup SRT in the amount of \$50,054.57 as presented.

ADOPTED: Yeas - 3
Nays - 0

Construction Estimate No. 2 for SAK Construction for Design and Construction of the Southfield Sewer Lining Project in the amount of \$41,847.32 with a transfer to the Oakland County Treasurer in the amount of \$4,649.70 was presented. It was moved by Markham, supported by Woodward, to approve Construction Estimate No. 2 for SAK Construction for Design and Construction of the Southfield Sewer Lining Project in the amount of \$41,847.32 with a transfer to the Oakland County Treasurer in the amount of \$4,649.70 as presented.

ADOPTED: Yeas - 3
Nays - 0

A request for approval of payment of invoices from the Evergreen Farmington Sanitary Drain Maintenance Fund in the amount of \$278,992.95 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices from the Evergreen Farmington Sanitary Drain Maintenance Fund in the amount of \$278,992.95 as presented.

ADOPTED: Yeas - 3
Nays - 0

A request for approval of payment of invoices from the Evergreen Farmington Sanitary Drain Construction Fund in the amount of \$82,279.93 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices from the Evergreen Farmington Sanitary Drain Construction Fund in the amount of \$82,279.93 as presented.

ADOPTED: Yeas - 3
Nays - 0

It was moved by Nash, supported by Markham, to certify attendance and authorize pro rata payment of \$25 per day to Ms. Markham and Mr. Woodward.

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.

Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Evergreen-Farmington Sanitary Drain, Oakland County, Michigan, held on the 28th day of January 2025, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

I further certify that the notice of the meeting was posted at least 18 hours in advance of the meeting at the office of the Oakland County Water Resources Commissioner which is the principal office of the Drainage Board for the Evergreen-Farmington Sanitary Drain Drainage District.

Jim Nash, Chairperson

Dated: January 28, 2025

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER****MEMORANDUM**

TO: Jim Nash, Chairperson of the
Evergreen-Farmington Sanitary Drain Drainage Board

FROM: Philip Kerby P.E., Operations Engineer

SUBJECT: Sanitary Sewer Rehabilitation
Grand River Avenue and Middlebelt Road, Farmington Hills

DATE: February 25, 2025

The Water Resources Commissioner's office (WRC) has identified a segment of sanitary sewer in the Evergreen-Farmington Sanitary Drain Drainage District in need of rehabilitation. The sewer, highlighted on the attached quarter section map, is a 10-inch reinforced concrete pipe at the intersection of Grand River Avenue and Middlebelt Road in the City of Farmington Hills.

This segment of sewer was constructed in 1962 and rehabilitated in 2008. Recent inspection videos of this segment show a significant sag approximately 70 feet in length. This sag causes grease to build up in the sewer, requiring heavy cleaning on a quarterly basis.

Fishbeck, Inc., an engineering, environmental sciences, architecture, and construction firm has provided a proposal to design the replacement of the sagged portion of the sewer. Attached to this memo is Fishbeck's proposal. It is recommended that the engineering design services be awarded to Fishbeck in the amount of \$76,900 in conformance with its proposal. This amount will cover the cost of the design of the sewer replacement and provide assistance with the bidding phase of the project. The Drainage Board will be advised at a later date of the amount necessary to fund the construction phase of this project.

The following is a breakdown of the estimated expenses for the design phase of this project:

Engineering Design Services:	\$76,900
WRC Engineering:	<u>\$ 8,000</u>
Total:	\$84,900

REQUESTED ACTION: Add this rehabilitation project to the capital improvement plan with a design budget of \$84,900 and award the engineering services contract to Fishbeck, Inc. in the amount of \$76,900.

February 13, 2025

Phil Kerby
Oakland County Water Resources Commissioner
One Public Works Drive, Building 95 West
Waterford, MI 48328

Proposal for Professional Engineering Services Grand River Avenue Sewer Replacement

Fishbeck is pleased to submit the following proposal to assist WRC in preparing bidding documents for the Grand River Avenue Sewer Replacement Project.

Background

The sewer is located on the Grand River Arm of the Farmington Hills Interceptor at the intersection of Grand River Avenue and Middle Belt Road. The sewer is 10 inches in diameter and is located in the median of Grand River Avenue. It is concrete and was lined sometime between 2008 and 2011. The sewer is cleaned quarterly due to constant grease accumulation. There is a sag in the lined sewer just upstream of Manhole FAT143018 that caused a grease blockage in late 2024. As a result, WRC would like the sagged portion of the sewer replaced.

Scope of Services

Based on our meeting on February 10, 2025, we have developed the following scope of services for design and bidding only. As requested, assistance during construction is not included in this proposal.

Task 1 – Design Phase

The design phase will include the following tasks:

1. Review existing record information and sewer televising information to verify the location of the sag and the extent of sewer replacement needed.
2. Perform a topographical survey of the intersection.
3. Contract with a geotechnical firm to perform a soil boring to a depth of approximately 30 feet to verify soil conditions and possible reason for the pipe sag and to provide a geotechnical report and bedding recommendations.
4. Contact the City of Farmington Hills to acquire existing utility information and coordinate design and layout.
5. Contact the City of Farmington Hills Fire Department to coordinate intersection closure and discuss its effect on Fire Station No. 3 located at the northeast corner of the intersection.
6. Contact MDOT and RCOC and coordinate design, intersection closure, and traffic routing.
7. Contact ITC and coordinate the proposed work under their overhead lines.
8. Coordinate with other utility companies and design to conditions established.
9. Develop 30% drawings and a preliminary engineer's opinion of probable construction cost and perform internal quality assurance/quality control (QA/QC).
10. Meet with the WRC to review the 30% documents.
11. Incorporate WRC comments into the documents

12. Develop 60% drawings, update the preliminary engineer's opinion of probable construction cost, and perform internal QA/QC.
13. Prepare specifications.
14. Meet with WRC to review the 60% documents.
15. Incorporate WRC comments into the documents.
16. Prepare and submit permit applications as necessary on behalf of WRC.
17. Develop 90% construction documents, update the preliminary engineer's opinion of probable construction cost, and perform internal QA/QC.
18. Meet with the WRC to review the 90% documents.
19. Incorporate WRC comments into the construction documents and perform final QA/QC.
20. Provide engineer's estimate of probable construction costs.
21. Provide final (100%) construction documents.

Task 2 – Bidding Phase

Fishbeck will assist WRC with the following during the bidding phase:

1. Conduct a pre-bid meeting and issue meeting minutes (if required).
2. Respond to contractor questions during the bidding phase.
3. Prepare necessary addenda.
4. Assist WRC staff in reviewing proposals, bid tabulations, and references.
5. Prepare a bid award recommendation letter with supporting documents.

Assumptions

The following assumptions have been made in the formation of this proposal:

1. WRC will pay permitting fees.
2. We will attend 5 virtual meetings: a kickoff meeting, 3 progress meetings, and a bid review meeting.

The following services are not currently anticipated and are not included in our fee. Services associated with these items can be completed by Fishbeck for an additional fee, upon request.

1. Improvements to upgrade roads, utilities, or other infrastructure.
2. Contract administration.
3. Construction inspections.
4. Construction staking.

Schedule

We are available to begin immediately after receiving written authorization. We anticipate having the documents ready for bidding by May 2025.

Professional Services Fees

Fishbeck proposes to complete the outlined scope of services on an hourly rate plus reimbursable expense basis for a not-to-exceed fee of Seventy-Six Thousand Nine Hundred Seventy Dollars (\$76,900). A detailed breakdown of our fee is attached.

Authorization

These services will be performed under the terms and conditions of our existing Professional Service Contract and associated amendments (WDCON9194 [PS6490]). If you concur with our scope of services, please issue a Purchase Order and return to my attention at mesedki@fishbeck.com.

If you have any questions or require additional information, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Maria Sedki".

Maria E. Sedki, PE

Vice President/Senior Civil Engineer

Attachments

By email

Fishbeck Estimated Work Hours and Fees

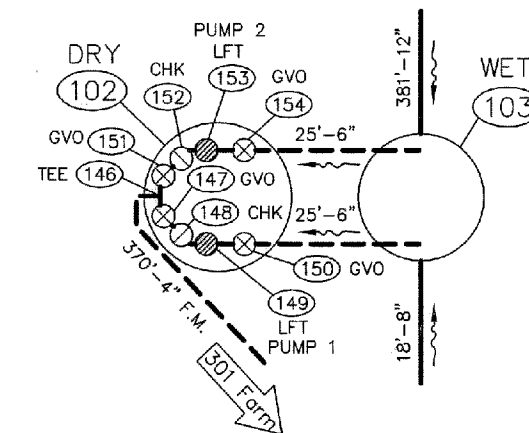
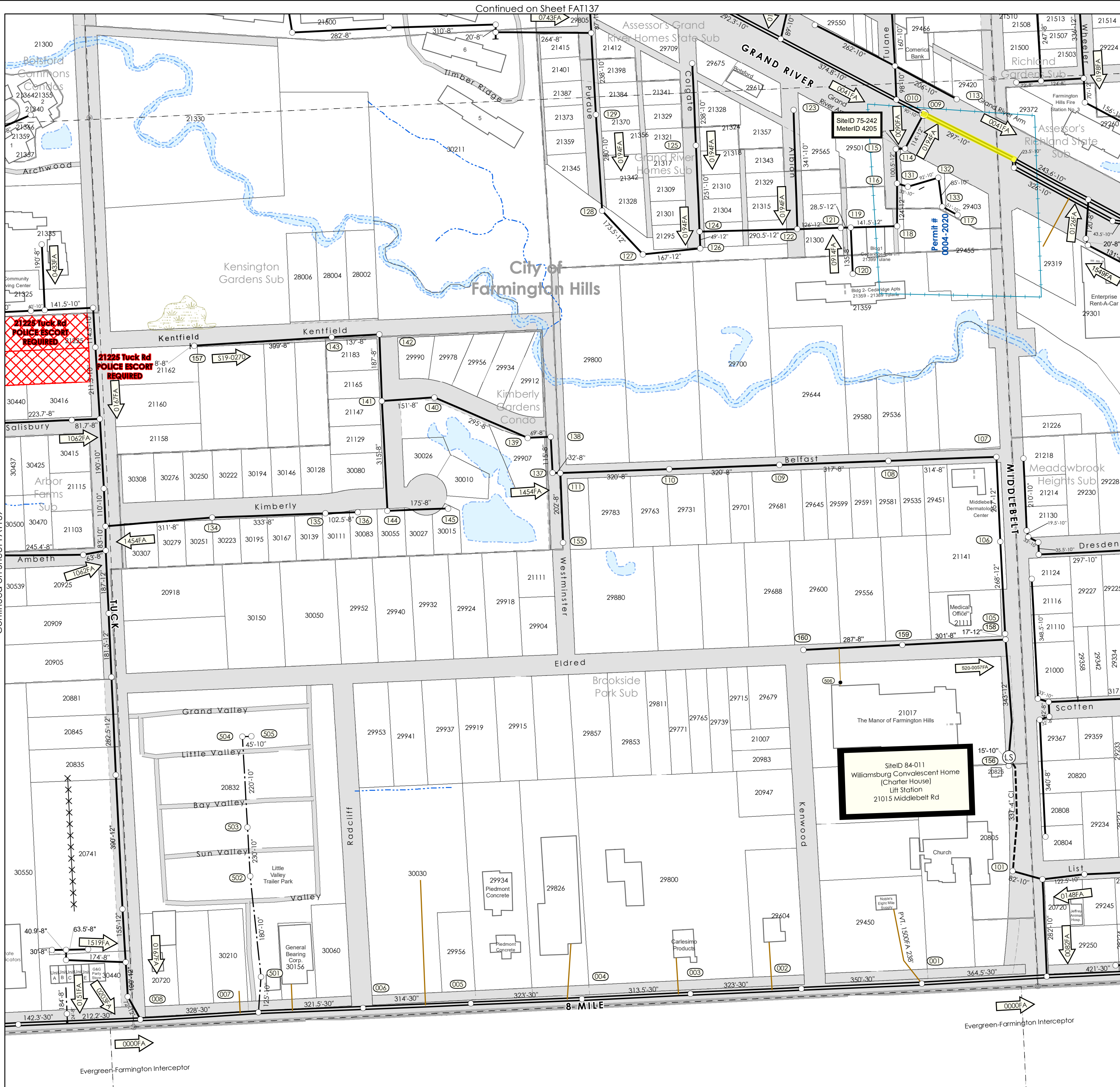
Project Name: **Grand River Ave Sewer Replacement**
 Project Location/Client: **Oakland County Water Resources Commissioner**
 Date: **2/12/2025**
 Prepared By: **M. Sedki**

	QA/QC Project Manager	Sr. Engineer	Engineer	Production Support	Sr. Surveyor	2 Person Survey Team	Sr. Survey CAD Tech	Total Hours	Labor Fee	Expenses	Totals
	MES	KRO	JB	NAC	CV	Team	TBD				
	WRC Labor Rate	\$242	\$202	\$165	\$98	\$165	\$298	\$150			
Task 1 - Design Phase								340	\$ 61,076.00	\$ 8,292.00	\$ 69,368.00
Project Kickoff	2	2	2					6	\$ 1,218.00		\$ 1,218.00
Review Existing Information and CCTV Videos		4	8	2				14	\$ 2,324.00		\$ 2,324.00
Topographical Survey		1	1		4	12	8	26	\$ 5,803.00	\$ 592.00	\$ 6,395.00
Geotech Investigation and Report		1	1					2	\$ 367.00	\$ 7,700.00	\$ 8,067.00
Coordination with City of FH Fire Department	2	8	2					12	\$ 2,430.00		\$ 2,430.00
Permit Acquisition (MDOT)		8	8	2				18	\$ 3,132.00		\$ 3,132.00
Permit Acquisition (RCOC)		8	8	2				18	\$ 3,132.00		\$ 3,132.00
Permit Acquisition (EGLE)		4	8	2				14	\$ 2,324.00		\$ 2,324.00
Prepare 30% Documents (drawings only)		20	24					44	\$ 8,000.00		\$ 8,000.00
Prepare 60% Documents (drawings and specs)	2	20	40	10				72	\$ 12,104.00		\$ 12,104.00
Prepare 90% Documents (drawings and specs)	2	20	40	10				72	\$ 12,104.00		\$ 12,104.00
Prepare Final Documents & Cost Estimate	2	10	12					24	\$ 4,484.00		\$ 4,484.00
Prog Mtgs w/ WRC (assume 3)	6	6	6					18	\$ 3,654.00		\$ 3,654.00
								0	\$ -		\$ -
Task 2 - Bidding Phase								42	\$ 7,532.00	\$ -	\$ 7,532.00
Pre-Bid Meeting	2	2						4	\$ 888.00		\$ 888.00
Answer Questions and Prepare Addenda		4	6					10	\$ 1,798.00		\$ 1,798.00
Review Proposals	1	4		2				7	\$ 1,246.00		\$ 1,246.00
Mtg w/ WRC (assume 1)	4	4						8	\$ 1,776.00		\$ 1,776.00
Prepare Award Letter		2		1				3	\$ 502.00		\$ 502.00
Prepare Contract Books		2	2	6				10	\$ 1,322.00		\$ 1,322.00
								0	\$ -		\$ -
Total Hours	23	130	168	37	4	12	8	382			
Total Fee									\$ 68,608.00	\$ 8,292.00	\$ 76,900.00

Continued on Sheet FAT137

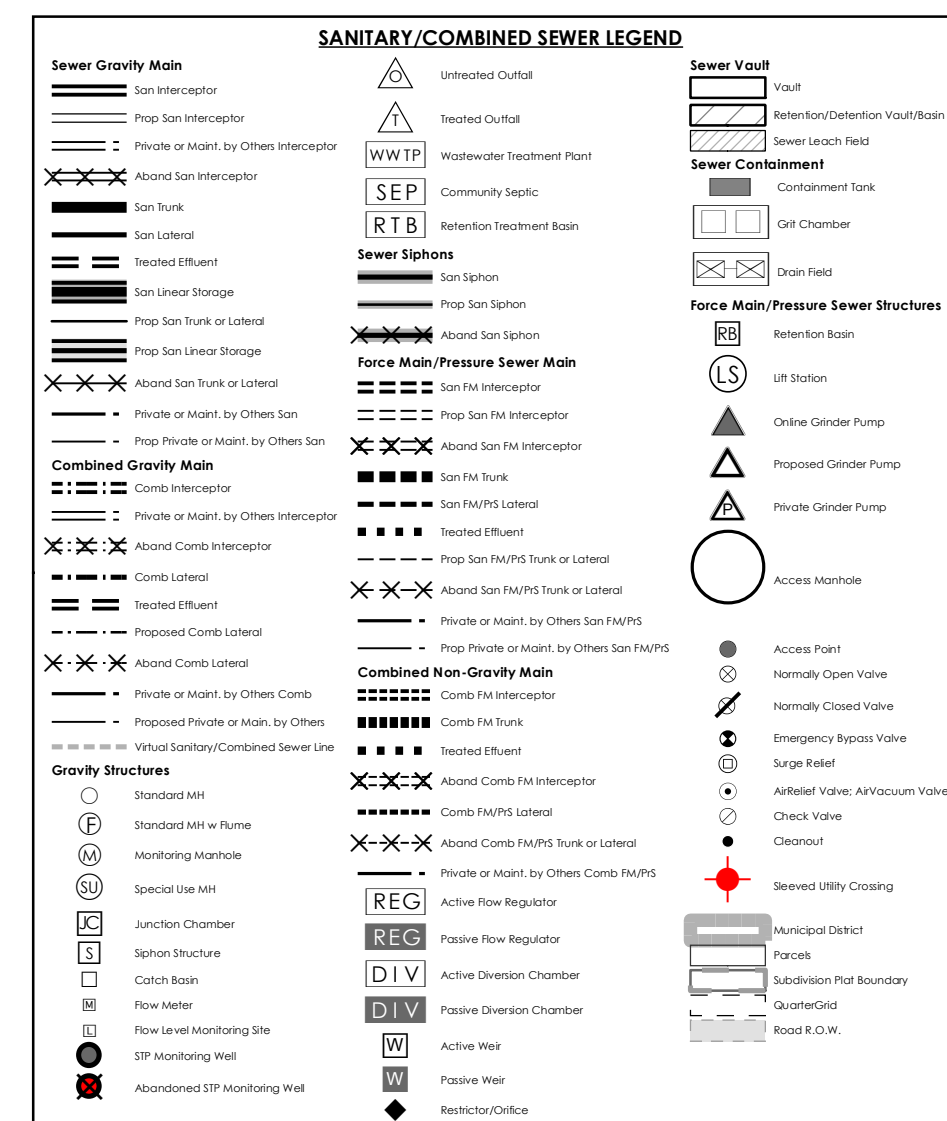
City of
Farmington Hills

Continued on Sheet LIT005



SiteID 84-011
Williamsburg Convalescent Home (Charter House)
21015 Middlebelt Road
Farmington Hills, MI. 48336

1"=200'

**DISCLAIMER:**

The information displayed in this map is compiled from recorded deeds, plats, tax maps, surveys and other public records. Although this information is intended to accurately reflect public information, it is not a legally recorded map or survey and is not intended to be used as one. Users should consult primary/original information sources where appropriate.

One Public Works Drive
Building 95 West
Waterford, Michigan
48328-1907



SE
Section 35

FARMINGTON HILLS
SANITARY / COMBINED SEWER SYSTEM
Township of Farmington

SHEET
140

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER****MEMORANDUM**

TO: Jim Nash, Chairperson of the Evergreen-Farmington Sanitary Drain Drainage Board

FROM: Evans Bantios, P.E., Chief Engineer

SUBJECT: Walnut 1 Corrective Action Plan – Project Cost Summary

DATE: February 25, 2025

This memorandum is intended to provide the board with an updated summary of the Walnut Lake No. 1 Corrective Action Plan (CAP) project. The current estimated project cost is \$14 million. This is the estimated project cost prior to receiving bids on the project. A final project cost will be presented once the project design is finalized and bids are obtained from the contractors. A summary of the cost is attached for reference. The design portion of the project will be paid using non-designated funds from the Evergreen-Farmington Drain and those costs will be reimbursed when the SRF funding is finalized. The apportionment for this project will be the same as 8 Mile Road Corrective Action Plan.

The project elements will include removal of the siphon at 8 Mile and Southfield Roads; relocation of the master meter for the entire Evergreen-Farmington system; modifications to the weir height at the Melrose Weir; modifications of the Lathrup Village Level Sensor; and other minor system improvements.

The existing siphon length is approximately 290 feet. A new sewer will be constructed over the top of the existing siphon. The plan is to use hand-mining techniques to construct the tunnel. The diameter of the new gravity sewer will range from 79 inches to 96 inches. A new 96-inch diameter isolation gate will be installed for flow control to provide flexibility in the system. The existing siphon will be reinforced to allow for construction over the top of the sewer. The existing siphon will be grouted in place. We plan to modify manholes to bring everything to grade. We also plan to obtain a temporary easement to construct this portion of the project.

The existing meter will be removed, and a new meter will be located downstream. A new meter location will require the acquisition of land to house the meter equipment. A new power drop will be required to power the equipment. There will be various modifications made to tie the equipment from the surface to the meter in the sewer.

The existing weir at Melrose and Evergreen Roads located on the Evergreen Sewer will be lowered. This will require a partial road closure to access the weir in the sewer. The existing Lathrup Level monitoring device will be modified to allow system operators to observe higher levels in the sewer. This level monitor is located near Evergreen Road and 11 Mile Road.

Also, we are working with the Great Lakes Water Authority (GLWA) to develop a contract modification to allow us to work on the GLWA-owned portions of the system and obtain approval for the new meter device and location. We are also working with the Detroit Water and Sewerage Department to allow for the existing sewer flow to be diverted to the Southfield Sewer during portions of the work.

The goal of this project is to send uninterrupted flow from the Walnut Lake No. 1 Pump Station through the east force main and down the Evergreen sewer. The improvements will allow us to increase the level in the sewer and decrease the hydraulic grade losses currently being observed in the system. Further details are provided in the attached site map of the system.

Requested Action: Receive and file.

ESTIMATE OF TOTAL PROJECT COSTS
WALNUT LAKE NO. 1 PUMP STATION CAP
EVERGREEN FARMINGTON SANITARY DRAIN
REVISED: 2-4-2025

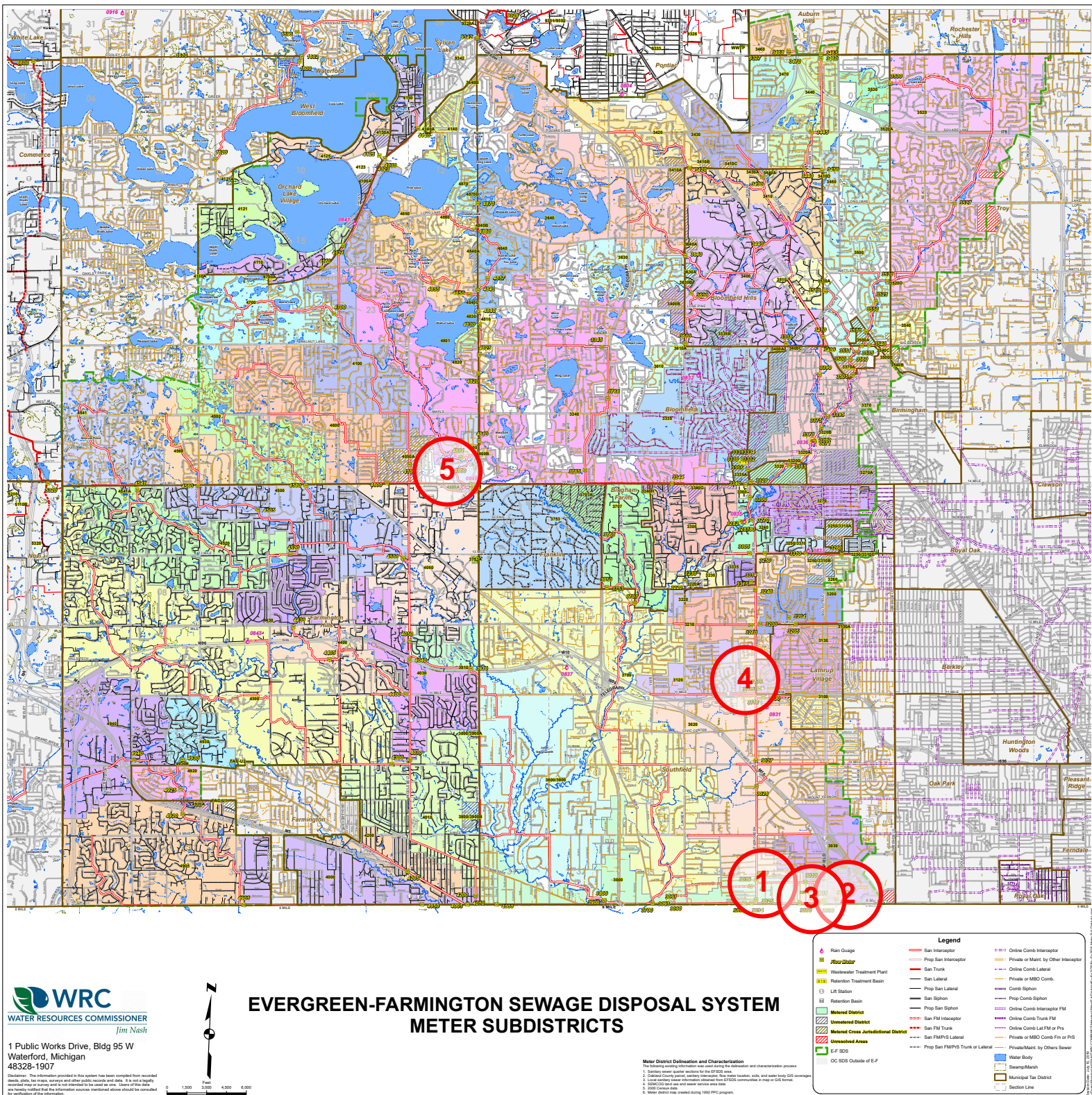
	Project Costs
1) Facility Acquisition	
a Construction Cost	\$ 10,000,000
Subtotal Facility Acquisition	\$ 10,000,000
2) Engineering Consultants	
a Prelim. Engineering (Study) and Design Phase Services	\$ 678,160
b Construction Phase Services Incl. Materials Testing	\$ 700,000
c Construction Administration	\$ -
d Construction Testing Services	\$ -
e Sewer Lead Televising	\$ -
f Scheduling Consultant	\$ -
g Additional Special Services	\$ -
Subtotal Engineering Consultants	\$ 1,378,000
3) Project Financing & Legal	
a Project Insurance	\$ 600,000
b Bond Issuance (Legal)	\$ 29,000
c Bond Issuance (Financial Consultant)	\$ 60,900
d Wetland Mitigation	\$ -
Subtotal Project Financing & Legal	\$ 690,000
3) Right of Way	
a Easement Fees	\$ 150,000
b Legal Fees	\$ -
c Permits	\$ 50,000
d County Services	\$ 30,573
Subtotal Right of Way	\$ 231,000
4) Exclusive County Services	
a Administration	\$ 13,840
b Engineering	\$ 146,005
c Inspection	\$ 246,020
d Survey	\$ 10,187
e O&M Startup	\$ 11,793
Subtotal Exclusive County Services	\$ 428,000
5) Project Subtotal	\$ 12,727,000
6) Project Contingency (10%)	\$ 1,273,000
7) Total Project Cost	\$ 14,000,000

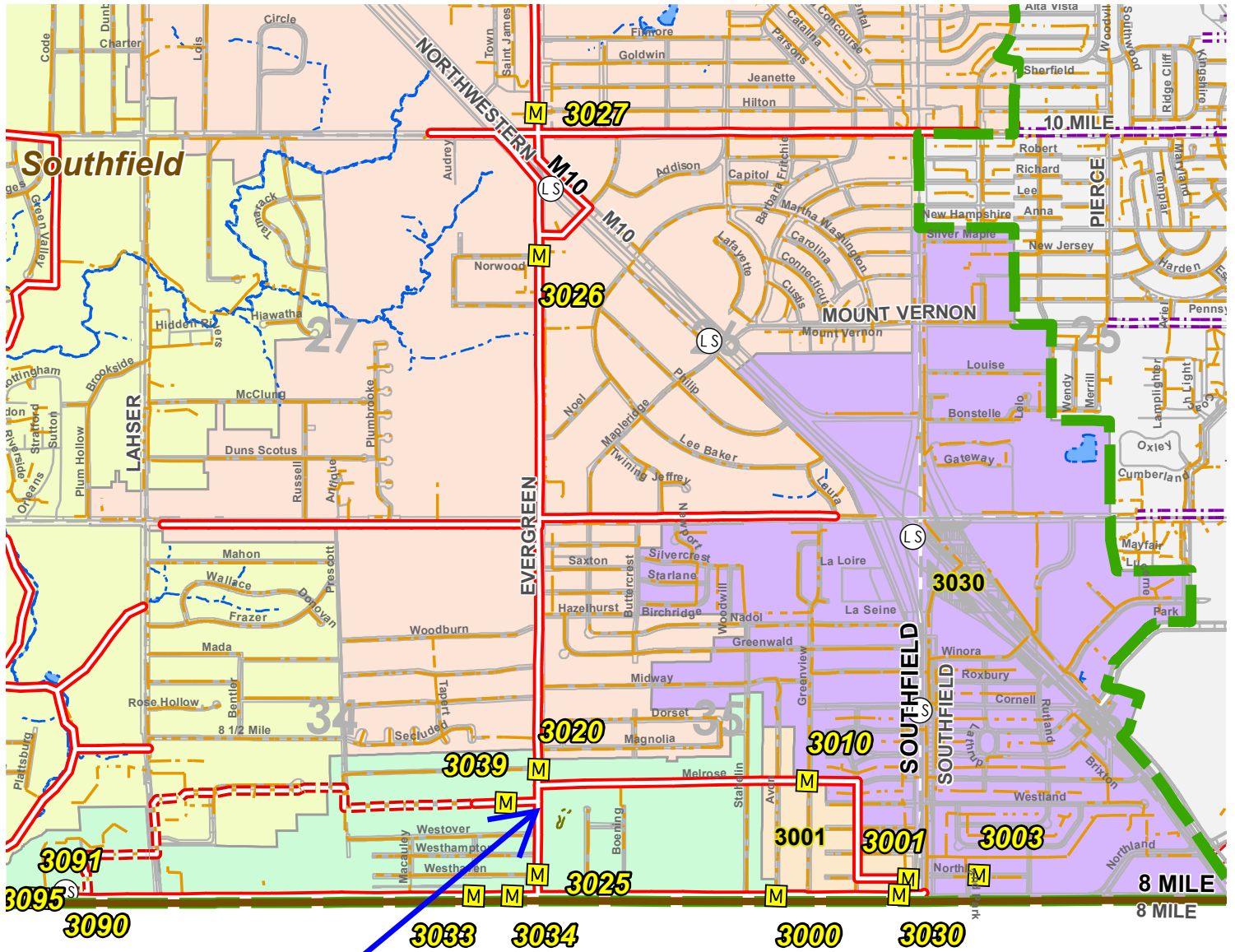
8) CVT Shares/Allocation: Bonded

I hereby certify the period of usefulness of these facilities to be 20 years and upwards.

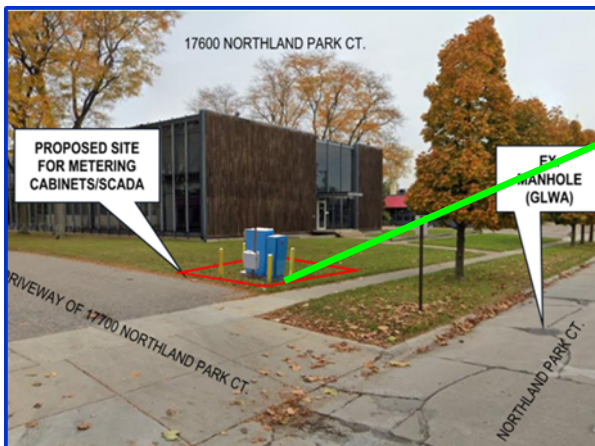
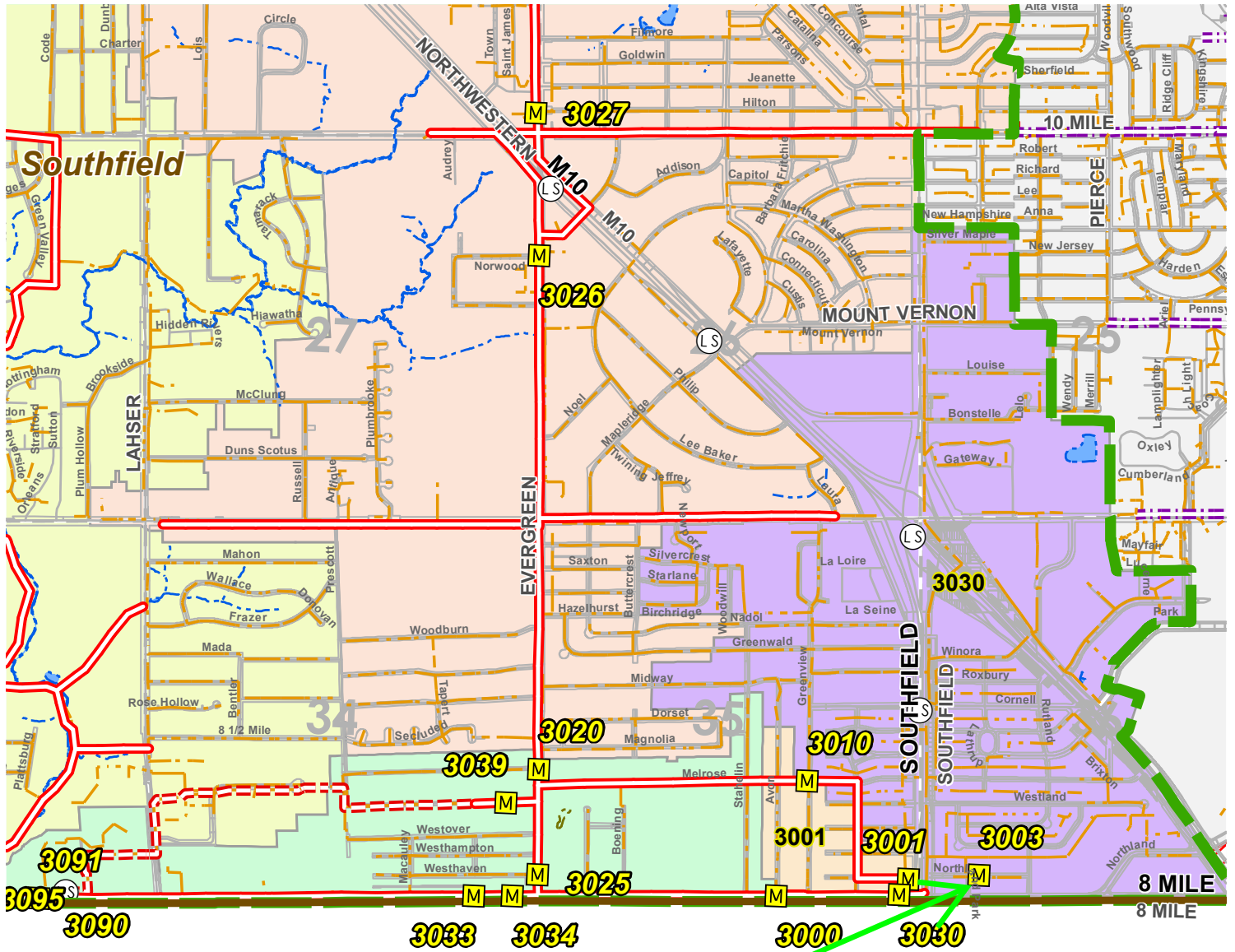
By: Evangelos Bantios
Evans Bantios, P.E.
Project Engineer

By: Evangelos Bantios
Evans Bantios, P.E.
Chief Engineer



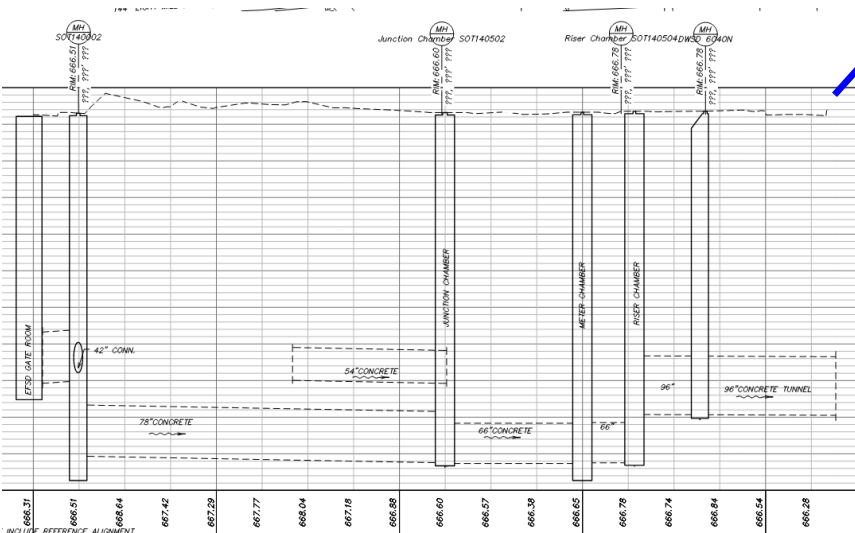
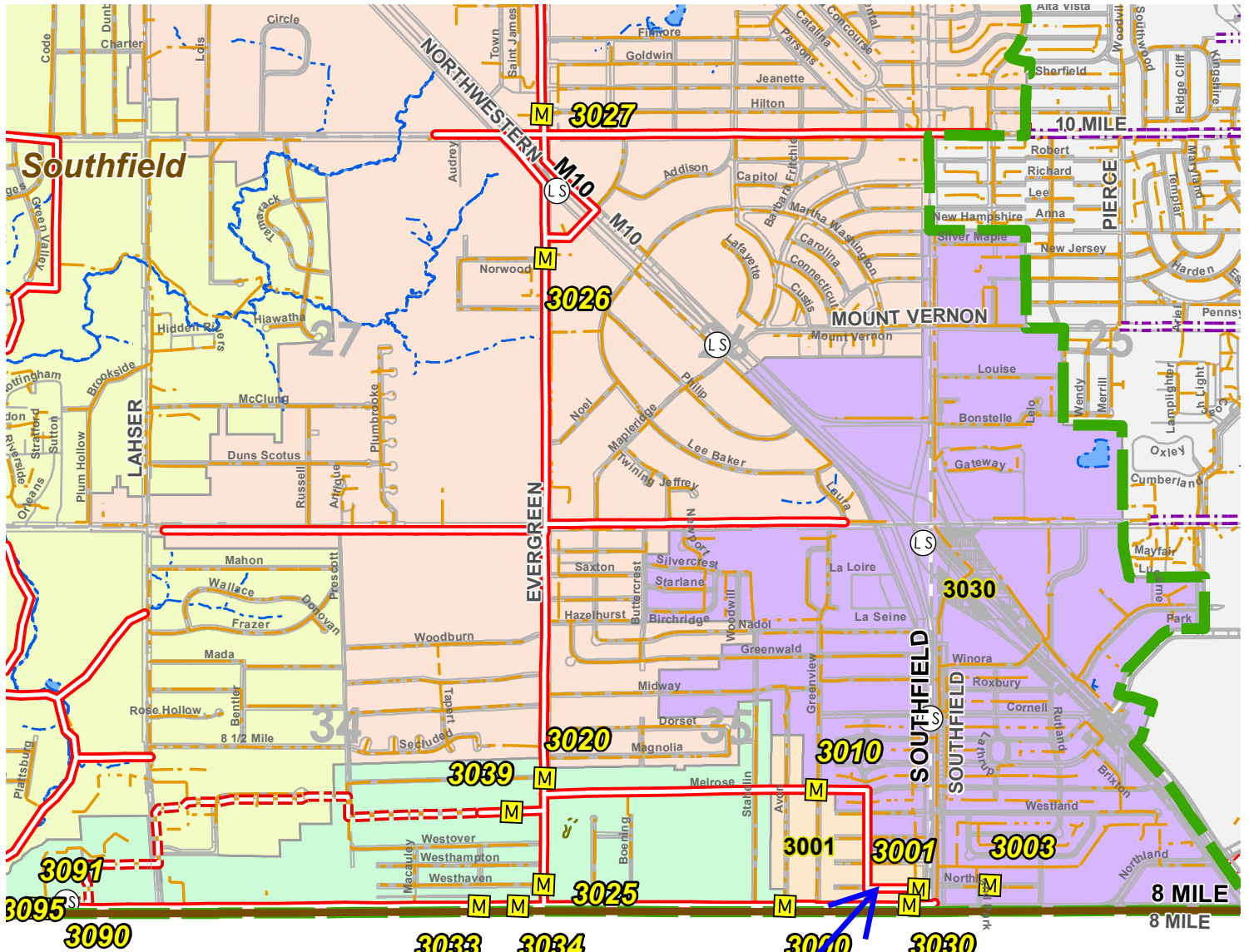


1. Melrose Weir Site (below grade)
Adjust level weir that is located in
existing below-ground structure.



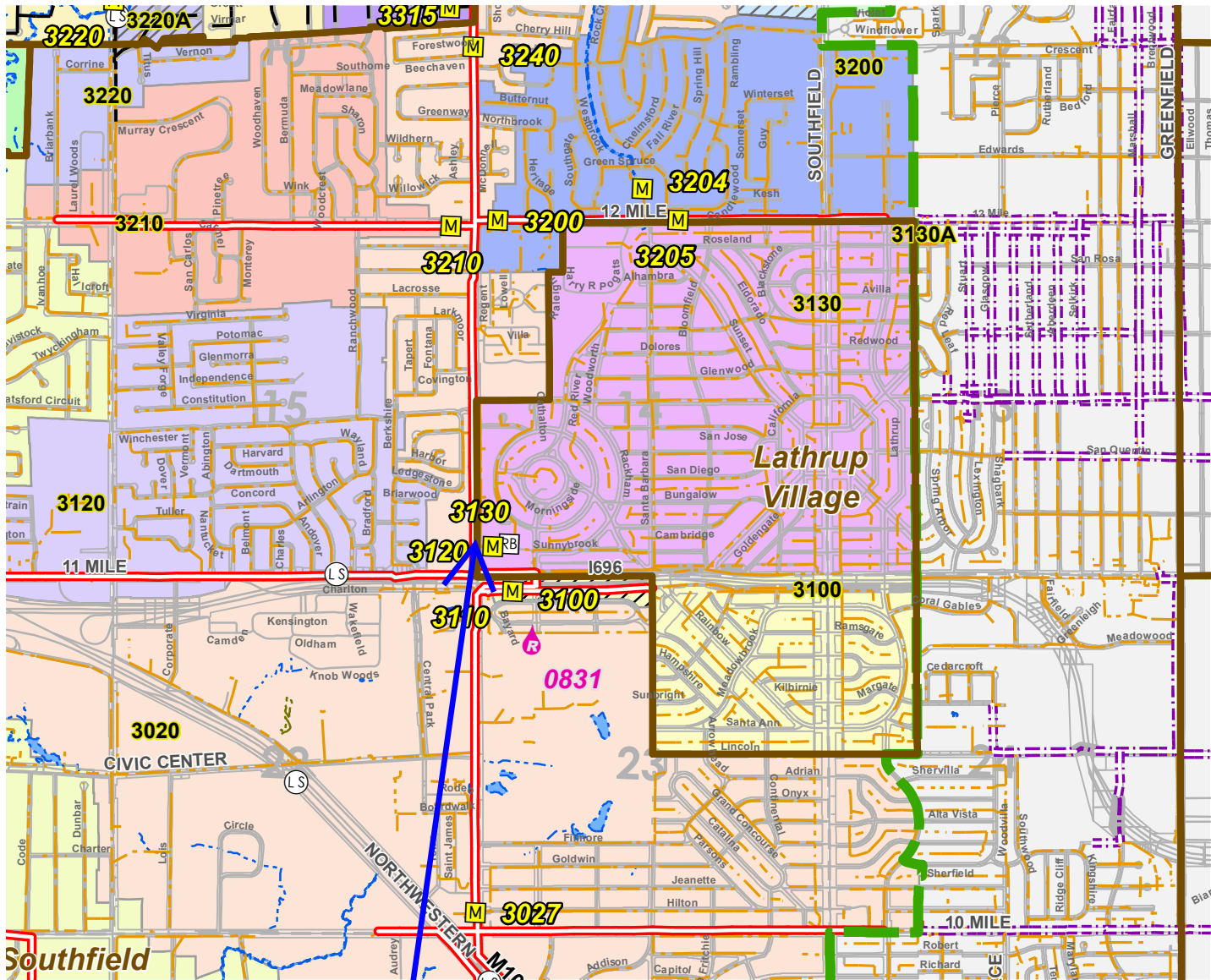
2. GLWA Meter Site

Install new master meter for EF system in existing manhole structure over existing sewer with above-grade control cabinet.



3. Siphon Removal

Remove existing siphon used for existing mag master meter for EF system. The new sewer segment will be at a higher elevation to reduce headloss in system.



4. Lathrup Level Site

The existing level sensor site will be modified to allow the site to read higher levels in the system.

CHANGE ORDER NO. 4

Jim Nash, Oakland County Water Resources Commissioner
Evergreen Farmington Sanitary Drain Drainage District
For Construction of the Lathrup Village Sanitary Retention Tank Improvements
Lathrup Village, Michigan

Authorization for Extras To & Changes In Contract

Department No. : CCN6010101

Account No. : SC730639

Fund No. : FND84410

Program No. : PRG1490125

Project No. : PRJ-17450

Project Activity : FAC

Contractor : Midwest Power Systems, Inc.
 2401 Hickory Oak Lane
 Milford, MI 48380

Contract No. : CON10270
 Date of Contract: 4/19/23
 Completion Date: 5/3/24

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
4-1	<p>LOCATION: Divider Wall Between Tank Nos. 1 & 2</p> <p>DESCRIPTION (Extra/Add): Repair leaking joints in divider wall between Tank Nos. 1 & 2. This includes removing the existing sealant and backer rod on the two joint locations on either side of the divider wall. Grinding the joint to prep the concrete. Installing urethane sealant primer, backer rod and urethane sealant.</p> <p>REASON: The joints between the divider wall and tank walls has failed. This is causing water to leak from Tank No. 1 into Tank No. 2.</p>	LS	1.0	\$5,170.20	\$5,170.20	---

CHANGE ORDER

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
4-2	LOCATION: Concrete Infill for Flushing System Pressure Relief Valve into Tank No. 2 DESCRIPTION (Extra/Add): Fill in the penetration in the concrete wall from flushing pipe from the galley into REASON: The pressure relief valve is no longer required. It had been leaking and needed to either be replaced or removed from the system. The operators have determined another method to regulate the pressure on the flushing system.	LS	1.0	\$2,551.50	\$2,551.50	---
4-3	LOCATION: Electrical Permit Fee DESCRIPTION (Change Delete): A permit was not obtained for the electrical work completed at the site. REASON: Removed unused quantities from the contract	LS	-1.0	\$5,000.00	---	\$5,000.00
				Totals	\$7,721.70	\$5,000.00
				Net Increase	\$2,721.70	---

CHANGE ORDER

CHANGE ORDER NO. 4

**Jim Nash, Oakland County Water Resources Commissioner
Evergreen Farmington Sanitary Drain Drainage District
For Construction of the Lathrup Village Sanitary Retention Tank Improvements
Lathrup Village, Michigan**

Prepared by: Evangelos Bantios Date: 2-10-2024
Evangelos Bantios, P.E. - OCWRC

Recommended by: John Bergsma Date: 2-13-2025
John Bergsma, P.E. - Hubbell, Roth & Clarke, Inc.

Approved by: Joel Brown Date: 2/14/2025
Joel Brown, P.E. - OCWRC

The Contractor agrees to do the work described above and agrees to accept payment in full on the basis indicated.

Accepted by: Brent Canup Date: 2-10-25
Brent Canup - President
Midwest Power Systems, Inc.

Approved by: _____ Date: _____
Steve Korth, P.E.
Chief Engineer

The Contractor is hereby authorized and instructed to do the work described above in accordance with the terms of the Contract.

This Change Order was approved by the Drainage Board on:

CHANGE ORDER NO. 4

**Jim Nash, Oakland County Water Resources Commissioner
Evergreen Farmington Sanitary Drain Drainage District
For Construction of the Lathrup Village Sanitary Retention Tank Improvements
Lathrup Village, Michigan**

Notice to Proceed Date:	Wednesday, April 19, 2023
Contract Substantial Completion Date:	Monday, March 4, 2024
Contract Final Completion Date:	Friday, May 3, 2024
Original Contract Value:	\$2,318,504.20
Previous C.O. Values:	\$76,719.05
Change Order No. 4 Value	\$2,721.70
Adjusted Contract Value	\$2,397,944.95

**JIM NASH
OAKLAND COUNTY WATER RESOURCE COMMISSIONER**

Jim Nash, Oakland County Water Resources Commissioner
Evergreen Farmington Sanitary Drain Drainage District
8 Mile Road CAP 8 Mile Road Pump Station & SSO Chamber Improvements - Phase 1
Southfield
Oakland County, Michigan

Construction Estimate No. 35

January 1, 2025 to Jan 31, 2025

Department No. : 6010101
Fund No. : FND84410
Project No. : PRJ-17452

Account No. : 730352
Program No. : PRG149015
Activity : FAC
Vendor No. : 23191
Contract No. : 6628
Date of Contract : 2/2/2022
Completion Date : 8/13/2027

Contractor :
Walsh Construction Company II, LLC
3031 W Grand Blvd, Suite 640
Detroit, MI 48202

Original Contract Amount:		\$0.00	
Previous Change Order Numbers: CO Nos. 1 through 9.		\$50,512,444.14	
Change Orders This Estimate Number:		\$0.00	
Total Net Change Orders:		\$50,512,444.14	
Adjusted Contract Amount:		\$50,512,444.14	✓
Subtotal To Date: (Sheet 2 of 3 Column 7)		\$31,110,525.36	
Less Deductions to Date: (Sheet 2 of 3 Column 7)		\$0.00	
Gross Estimate: (Work in Place)	61.59%	\$31,110,525.36	
Less Amount Reserved: (5% of Adjusted Contract Amount)		\$2,525,622.21	
Total Amount Allowed To Date:		\$28,584,903.15	✓
Less Previous Estimates:		\$27,557,336.71	
Net Payment Request To Be Paid To Contractor:		\$1,027,566.44	
Reserve Payment to Contractor		\$0.00	
Balance of Contract To Date	✓	\$19,401,918.78	Accounting Auditor: <i>B.R.</i> 2/14/2025
Less Previous Transfers To Reserve:		\$2,525,622.21	✓
Amount of Current Transfer:		\$0.00	

Prepared by: *Lawrence Gilbert*
Lawrence Gilbert, P.E. - NTH Consultants

Date: 2/6/2025

Recommended by: *Joe Siwek*
Joe Siwek, P.E. - Consulting Engineer (Fishbeck)

Date: 02/06/2025

Recommended by: *Evangelos Bantios*
Evangelos Bantios, P.E. - Project Engineer

Date: 2-14-2025

Approved by: *Joel Brown*
Joel Brown, P.E. - Chief Engineer

Date: 2/14/2025

Approved by Board on: _____

JIM NASH

OAKLAND COUNTY WATER RESOURCES COMMISSIONER

Jim Nash, Oakland County Water Resources Commissioner
Evergreen Farmington Sanitary Drain Drainage District
For Design and Construction of the Southfield Sewer Lining Project
Southfield
Oakland County, Michigan

Construction Estimate No. 3

January 8, 2024 to February 6, 2025

Department No.: 6010101
Fund No.: 82410
Project No.: PRJ-17455

Account No.: 730352
Program No.: 149125
Activity: ENGCON
Vendor No. 41132
Contract No.: 11156
Date of Contract: 9/24/2024
Completion Date: 12/20/2025

Contractor:
SAK Construction
864 Hoff Road
O'Fallon, MO 63366

Original Contract Amount: \$7,387,461.00

Previous Change Order Numbers (none): \$0.00

Change Orders This Estimate Numbers (none): \$0.00

Total Net Change Orders: \$0.00

Adjusted Contract Amount: \$7,387,461.00

Subtotal To Date: (Sheet 2 of 2 Column 7) \$181,158.12

Less Deductions to Date: (Sheet 2 of 2 Column 7) \$0.00

Gross Estimate: (Work in Place) 2.45% \$181,158.12

Less Amount Reserved: (10% of Gross Estimate) \$18,115.81

Total Amount Allowed To Date: \$163,042.31

Less Previous Estimates: \$99,546.81

Net Payment Request To Be Paid To Contractor: \$63,495.50

Reserve Payment to Contractor \$0.00

Balance of Contract To Date ✓ \$7,206,302.88 Accounting Auditor: *BCR* 2/12/2025

Less Previous Transfers To Reserve: \$11,060.76

Amount of Current Transfer: \$7,055.06

Prepared by: *Scott Schultz*
Scott Schultz - Project Engineer

Date: 02/11/25

Recommended by: *Maria Sedki*
Maria Sedki, P.E. - Consulting Engineer

Date: 02/13/2025

Approved by: *Joel Brown*
Joel Brown, P.E. - Chief Engineer

Date: 2/14/2025

Approved by Board on: _____

MEMO TO: Mr. Jim Nash, Chairman
of the Drainage Board for the Evergreen Farmington Sanitary Drain Ch20 (Maintenance)

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting

HP for Shawn Phelps

DATE: February 25, 2025

SUBJECT: Request for Approval of Invoices

The following is a detail of charges paid from the Evergreen Farmington Sanitary Drain Ch20 and Invoices

Payable To	Ref No.	For	Amount
ADS LLC	SINV00321595	Inv# 35801-1224-I - Contracted Services - Proj #17439	305.00
ADS LLC	SINV00321601	Inv# 35801-1124-I - Contracted Services - Proj #17439	305.00
		Subtotal - Project #17439	610.00
Fishbeck	SINV00319919	Inv# 447570 - Engineering Services - Proj #17455	5,320.50
		Subtotal - Project #17455	5,320.50
DLZ Michigan Inc	SINV00318761	Inv# 000402941 - Engineering Services - Proj #17458	1,111.00
		Subtotal - Project #17458	1,111.00
ICS Integration Services LLC	SINV00319456	Inv# 3186 - Contracted Services - Proj #17542	3,350.00
		Subtotal - Project #17542	3,350.00
DLZ Michigan Inc	SINV00317876	Inv# 000402946 - Engineering Services - Proj #17554	29,799.60
		Subtotal - Project #17554	29,799.60
DLZ Michigan Inc	SINV00317875	Inv# 000402945 - Engineering Services - Proj #17555	10,320.22
		Subtotal - Project #17555	10,320.22
ADS LLC	SINV00321592	Inv# 35801-1124-K - Contracted Services	4,725.00
ADS LLC	SINV00321595	Inv# 35801-1224-I - Contracted Services	1,830.00
ADS LLC	SINV00321601	Inv# 35801-1124-I - Contracted Services	1,830.00
Applied Science Inc	SINV00320201	Inv# 9006 - Contracted Services	52,241.60
Applied Science Inc	SINV00320207	Inv# 9011 - Contracted Services	3,686.00
D Angelo Brothers	SINV00316796	Inv# 112224-58 - Contracted Services	112,186.40
FK Engineering Associates	SINV00318763	Inv# 24-165-001 - Contracted Services	3,617.15
Pipeline Management Company LLC	SINV00318146	Inv# 24-02186 - Contracted Services	9,490.50
		Subtotal	189,606.65
		Total	240,117.97

MEMO TO: Mr. Jim Nash, Chairman
of the Drainage Board for the Evergreen Farmington Sanitary Drain Ch20 (Construction)

FROM: Shawn Phelps, Chief of Fiscal Services *HP for Shawn Phelps*
OCWRC Accounting

DATE: February 25, 2025

SUBJECT: Request for Approval of Invoices

The following is a detail of charges paid from the Evergreen Farmington Sanitary Drain Ch20 and Invoices

Payable To	Ref No.	For	Amount
FK Engineering Associates	SINV00321090	Inv# 24-162-001 - Engineering Services - PRJ-17449	9,956.71
Hubbell Roth and Clark Inc (HRC)	SINV00317240	Inv# 0223491 - Engineering Services - PRJ-17449	9,412.34
Hubbell Roth and Clark Inc (HRC)	SINV00317241	Inv# 0224128 - Engineering Services - PRJ-17449	3,248.70
		Subtotal - Project #17449	22,617.75
Hubbell Roth and Clark Inc (HRC)	SINV00318139	Inv# 0224129 - Engineering Services - PRJ-17450	4,004.43
Hubbell Roth and Clark Inc (HRC)	SINV00318143	Inv# 0223567 - Engineering Services - PRJ-17450	1,935.87
ICS Integration Services LLC	SINV00319924	Inv# 3183 - Prof Svc-Consultant - PRJ-17450	2,814.00
		Subtotal - Project #17450	8,754.30
Fishbeck	SINV00321302	Inv# 448088 - Engineering Services - PRJ-17452	78,470.80
Neyer Tiseo & Hindo Ltd	SINV00319457	Inv# 638246 - Engineering Services - PRJ-17452	7,682.29
PMA Consultants LLC	SINV00317243	Inv# 04582.00-1.0-23 - Professional Services - PRJ-17452	3,523.00
		Subtotal - Project #17452	89,676.09
		Total	121,048.14

RESOLUTION REGARDING
CEDARIDGE APARTMENTS CLAIM AND LAWSUIT

February 25, 2025

The following preamble and resolution were offered by _____ and seconded by _____ and passed unanimously at a meeting of the Drainage Board for the Evergreen-Farmington Sanitary Drain Drainage District held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan, on the 25th day of February 2025.

WHEREAS the office of the Oakland County Water Resources Commissioner was notified of a sewage disposal event, more commonly referred to as a sewer backup, on or about May 1, 2025, at the Cedaridge Apartments in the City of Farmington Hills; and

WHEREAS a lawsuit was filed January 29, 2025, against Oakland County and Oakland County Water Resources Commissioner Jim Nash; and

WHEREAS the drainage district acknowledges its responsibility for the cost of defending against and its responsibility, if any, for the claims and related lawsuit arising from the sewage disposal event as to Oakland County and the Oakland County Water Resources Commissioner Jim Nash, only; and

WHEREAS Oakland County and the Oakland County Water Resources Commissioner Jim Nash deny liability for the claims and related lawsuit arising from the event on or about May 1, 2025, at the Cedaridge Apartments in the City of Farmington Hills.

NOW, THEREFORE, BE IT RESOLVED that the Board for the Evergreen-Farmington Sanitary Drain Drainage District declares and determines that the Drainage District acknowledges its responsibility for the cost of defending against and its responsibility for the potential liability, if any, for the claims and related lawsuit arising from the May 1, 2025 sewage disposal event at the Cedaridge Apartments in the City of Farmington Hills as to Oakland County and the Oakland County Water Resources Commissioner Jim Nash, only.

BE IT FURTHER RESOLVED that this Resolution shall remain in full force and effect until further resolution of the Drainage Board.

This Resolution regarding Cedaridge Apartments' sewage disposal event claim is dated February 25, 2025.

By: _____
Chairperson for the Drainage Board

STATE OF MICHIGAN)
) SS
COUNTY OF OAKLAND)

I, the undersigned, do certify that the foregoing is a true and complete copy of the Resolution regarding Cedaridge Apartments' Claim. The Resolution was unanimously approved by the Drainage Board for the Evergreen-Farmington Sanitary Drain at a meeting held on the 25th of February 2025 and this Resolution is on file in the office of the Oakland County Water Resources Commissioner and is available to the public.

I further certify that notice of the meeting was posted at least 18 hours in advance of the meeting at the office of the Oakland County Water Resources Commissioner which is the principal office of the Evergreen-Farmington Sanitary Drain Drainage District.

By: _____
Chairperson for the Drainage Board

Subscribed and sworn to before me on the 25th day of February 2025.

Kelsey Cooke, Notary Public
Oakland County, Michigan
My commission expires June 25, 2030