

NOTICE OF MEETINGS
DRAINAGE BOARD FOR THE FOLLOWING DRAINS:

1. Clinton River Water Resource Recovery Facility
2. Acacia Park CSO Drain
3. Birmingham CSO Drain
4. Bloomfield Village CSO Drain
5. George W. Kuhn Drain
6. Evergreen-Farmington Sanitary Sewer Drain
7. Joseph Jones Drain
8. Bishop Drain
9. Borden Drain
10. Chester Drain
11. Crake Drain
12. Fessler Drain
13. Greenacre Drain
14. Hamilton Relief 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 27, 2024**, 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 27, 2024

Microsoft Teams meeting

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1. Clinton River Water Resource Recovery Facility

AGENDA
DRAINAGE BOARD FOR
THE CLINTON RIVER WATER RESOURCE RECOVERY FACILITY

February 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of January 23, 2024
3. Public Comments
4. Present Memorandum from Razik Alsaigh, P.E., Civil Engineer III, dated February 27, 2024, requesting the Board adopt the attached resolution and authorize the implementation of the project identified in the Project Plan Amendment
5. Present Memorandum from Razik Alsaigh, P.E., Operations Projects Engineer, dated February 27, 2024, requesting the Board approve the uninitiated project and amended projects budgets as identified on the attached table using fund from Major Maintenance and Capital Improvement reserves
6. Present Memorandum Razik Alsaigh, P.E., Civil Engineer III, dated February 27, 2024, requesting the Board authorize staff to negotiate an as-needed contract between the Drainage District and Denny's Heating, Cooling & Refrigeration, Inc. and authorize the Chairperson to execute the contract
7. Present Engineering Work Order for Jacobs Consulting regarding aeration improvements for the Optimization II Project for a not-to-exceed amount of \$320,000
8. 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 \$404,489.21
9. 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 \$50,397.31
10. Other business
11. Approve pro rata payment to Drainage Board members
12. Adjourn

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

January 23, 2024

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 23rd day of January 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 December 19, 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 memorandum from Gary Nigro, P.E., Manager, dated January 23, 2024, requesting the Board award the CRWRRF Optimization Project – Phase II design contract to Jacobs Consultant, Inc. pending an agreeable cost negotiation with an amount not to exceed \$1,196,645 and authorize the Drainage Board Chairperson to execute the engineering services agreement once it is finalized was presented. It was moved by Markham, supported by Woodward, to award the CRWRRF Optimization Project – Phase II design contract to Jacobs Consultant, Inc. pending an agreeable cost negotiation with an amount not to exceed \$1,196,645 and authorize the Drainage Board Chairperson to execute the engineering services agreement once it is finalized.

ADOPTED: Yeas - 3
Nays - 0

A memorandum from Gary Nigro, P.E., Manager, dated January 23, 2024, requesting the Board award the engineering consulting services contract to Jacobs Consultant, Inc. for an amount not to exceed \$276,544 was presented. It was moved by Markham, supported by Woodward, to award the engineering consulting services contract to Jacobs Consultant, Inc. for an amount not to exceed \$276,544 as presented.

ADOPTED: Yeas - 3
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 \$236,933.09 (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 from the Maintenance Fund in the amount of \$236,993.09.

ADOPTED: Yeas - 3
Nays - 0

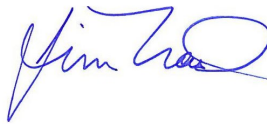
A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund from the Construction Fund in the amount of \$8,641.10 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund from the Construction Fund in the amount of \$8,641.10.

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.

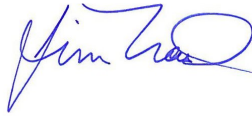


Jim Nash, Chairperson

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 Clinton River Water Resource Recovery Facility, Oakland County, Michigan, held on the 23rd day of January 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 Clinton River Water Resource Recovery Facility.



Jim Nash, Chairperson

Dated: January 23, 2024

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**

MEMORANDUM

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

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

SUBJECT: Clinton River Water Resource Recovery Facility
2024 State Revolving Fund Project Plan Amendment

DATE: February 27, 2024

In May 2022, this Board approved the Clinton River Water Recourse Recovery Facility Project Plan. The plan was then submitted to the State of Michigan for access to the State Revolving Fund to help cover projects costs.

Subsequently, it was discovered that the selected secondary treatment improvement option in the original plan was more expensive than anticipated. Additionally, its construction was more precarious because of proposed extensive excavation close to existing structures. A new technology option for the secondary treatment improvement, called a Mobile Organic Biofilm System, was investigated in late 2023. This new technology is less expensive to implement and avoids the previous construction excavation concerns.

As required by the Michigan Department of Environment, Great Lakes, and Energy, the Project Plan Amendment was posted on the website for public review and comments prior to the Board formally adopting the amendment which recommends utilizing the Mobile Organic Biofilm System for the secondary treatment improvements.

Requested Action: Adopt the attached resolution and authorize the implementation of the project identified in the Project Plan amendment.

Clinton River Water Resource Recovery Facility



**2022 Clean Water State Revolving Fund Project Plan Amendment
Public Meeting
February 27, 2024**

Public Meeting Purpose

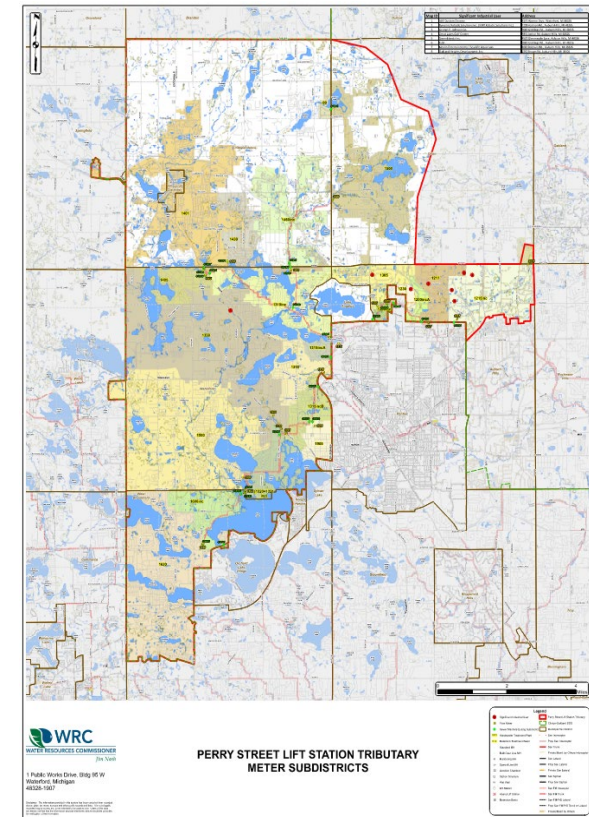
- Present Clean Water State Revolving Fund (CWSRF) Project Plan Amendment (for Secondary Treatment Optimization Project Only)
- Provide a forum for Public Participation
 - CWSRF Loan Program Overview and Project Background
 - Need for Project
 - Project Alternatives and Costs
 - Estimated User Costs
 - Potential Social and Environmental Impacts
 - Changes since Posting
 - Questions/Comments

FY24 CWSRF Loan Program Overview

- Provides low-interest loans (currently 2.5% for 20 years and 2.75% for 30 years) for planning, designing, and constructing eligible wastewater projects. Administered by EGLE Water Infrastructure Finance Division
- To stay qualified, the WRC must:
 - Prepare and submit an EGLE-approvable Project Plan Amendment for any changes.
 - Provide a public meeting and comment opportunity for the Plan Amendment
 - Pass a Board Resolution adopting the Plan Amendment
 - Final EGLE approval and WRC acceptance of the loan is decided later this year in the CWSRF Loan Program.

Project Background

- All projects are located at the Clinton River Facility
- Municipalities contributing to the Facility include:
 - City of Pontiac
 - Sylvan Lake
 - Municipalities tributary to the Perry Street Pump Station (all or a portion of the townships of Independence, Orion, Waterford and West Bloomfield, along with the cities of Auburn Hills, Clarkston, and Lake Angelus)



Project Location

The Clinton River Facility includes:

- Auburn Plant
- East Boulevard Plant

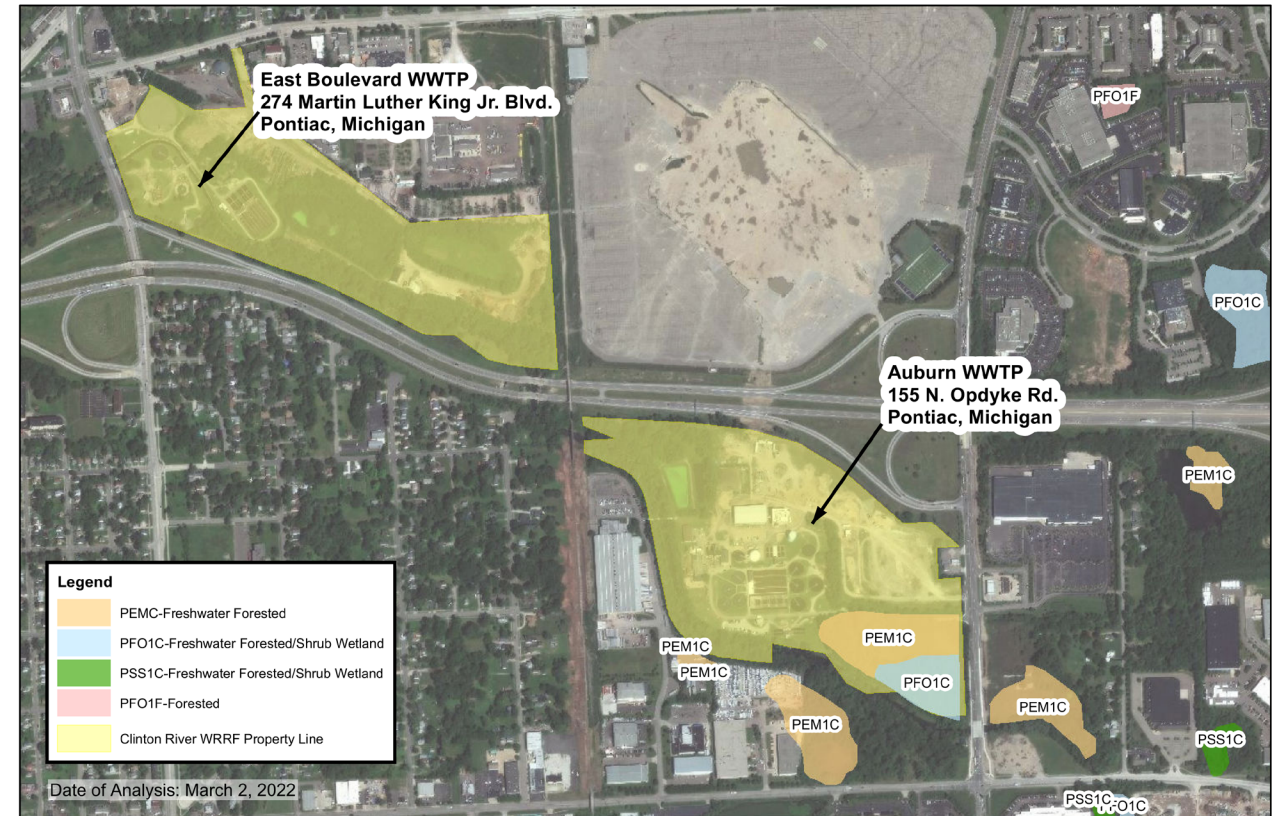
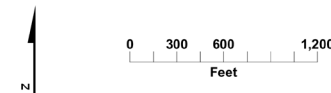


FIGURE 2-6
Wetlands on the Clinton River WRRF Property
Oakland County Water Resources Commissioner



Jacobs

Need for Project

- WRC is under Consent Agreement to reduce inflow and infiltration in collection system and bypasses at the Facility
- Wet weather secondary treatment issues
- Renewal of aging infrastructure
- Improved reliability

Principal Alternative Analysis

Secondary Treatment Optimization

Primary Goal – Address wet weather treatment issues

Alternatives

1. Replacement of Secondary Clarifiers 1 & 2 (Original Alternative)
2. Mobile Organic Biofilm System

Selected alternative in bold

Total Secondary Treatment Optimization Project Cost and Selected Alternative

Alternative	Total Project Costs
Alternative 1 – Replacement of Secondary Clarifiers 1 & 2	\$78,700,000
Alternative 2 - Mobile Organic Biofilm System (Selected)	\$65,200,000

Estimated User Costs

- Proposed method of financing:
 - CWSRF Loan
 - CWSRF program may provide principal forgiveness, which may reduce costs if awarded, but does not appear likely at this year
 - Anticipated typical user cost for municipalities tributary to the Facility:
 - \$5.14/month per household

Potential Social and Environmental Impacts

- No change from 2022 Project Plan

Changes Since Publication of Draft Project Plan Amendment

- No changes to Plan Amendment since posting on the website.

Questions/Comments?

**A RESOLUTION ADOPTING THE
CLINTON RIVER WATER RESOURCE RECOVERY FACILITY'S
2024 CLEAN WATER STATE REVOLVING FUND PROJECT PLAN AMENDMENT**

WHEREAS, the Drainage Board for the Clinton River Water Resource Recovery Facility Drainage District recognizes the need to make improvements to the existing Facility and previously adopted a resolution to approve a project plan in May 2022 to implement these improvement projects; and

WHEREAS, the secondary treatment recommendation under the project plan needs to be amended to include new technology that is more cost effective and less precarious to nearby structures during construction; and

WHEREAS, the Project Plan Amendment has been continuously posted for public review at the drainage board's website since February 6, 2024 and public comments allowed today at the drainage board meeting held at the offices of the Oakland County Water Resources Commissioner and on-line.

NOW THEREFORE BE IT RESOLVED, that the Drainage Board for the Clinton River Water Resource Recovery Facility Drainage District formally adopts the Project Plan Amendment and authorizes its chairperson to implement the selected alternative for secondary treatment improvements identified in the amendment.

BE IT FURTHER RESOLVED, that the Oakland County Water Resources Commissioner, a position currently held by Jim Nash, is designated, along with his deputies, as the authorized representatives for all activities associated with the project referenced above.

Yeas:

Nays:

Abstain:

Absent:

I certify that this Resolution was adopted by the Drainage Board for the Clinton River Water Resource Recovery Facility Drainage District on Tuesday, February 27, 2024.

BY:

<hr style="border: none; border-top: 1px solid black; margin-bottom: 5px;"/> Jim Nash, Oakland County Water Resources Commissioner and Chairperson of the Clinton River Water Resource Recovery Facility Drainage District	February 27, 2024 Date
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**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., Operations Projects Engineer

SUBJECT: Clinton River Water Resource Recovery Facility
Major Maintenance and Capital Improvement Projects

DATE: February 27, 2024

Annually, the Drainage Board for the Clinton River Water Resource Recovery Facility Drainage District approves the maintenance assessment recommendation and special assessment roll for current and future fiscal years. Included in the development of the maintenance assessment recommendation and special assessment roll is the long-range plan for both major maintenance and capital improvement projects at the facility. Major maintenance projects represent the larger maintenance activities required for operation of the plant and are not considered to be a part of the standard, day-to-day operation and maintenance. Capital improvement projects include new construction, replacement of existing assets and/or work that extends the useful life of the existing assets.

Operations staff has evaluated the conditions of both the Auburn plant and the East Boulevard plant, which together makes up the Clinton River Water Resource Recovery Facility. They compiled the attached project list which includes ongoing projects as well as projects to be initiated during Fiscal Year 2025.

The attached tables provide a list of FY2023 and FY2024 projects that have been previously approved and are currently in progress. Of the projects in progress, the cells in the "Total Project Budget" column that are highlighted yellow and require a budget amendment to complete the work. Also included in the tables are additional proposed FY2024 projects that have yet to be initiated.

Also included in the tables is a list of proposed FY2025 projects that have yet to be initiated. These projects initially were slated to be created at the end of FY2024, but the associated expenses will not hit the reserve funds until FY2025.

Staff recommends amending the existing project budgets as shown on these tables and initiating the new projects for FY2024 and FY2025.

Requested Action: Approve the uninitiated projects and amended projects budgets as identified on the attached table using funds from Major Maintenance and Capital Improvement reserves.

CRWRRF MAJOR MAINTENANCE PROJECTS

FY 2023-2024 Projects (in Progress)

Proj. ID	Total Project Budget	Expensess through FY23	Description	FY24 Projected
-	-	\$0	WWTP Major Maint Unplanned	\$60,000
-	-	\$434,343	CAMP (RIVA)	\$103,280
TBD	\$10,000	\$0	Electrical Assessments	\$10,000
1-3243	\$140,000	\$49,500	360 Water Training	\$10,000
1-3304	\$260,000	\$90,810	CRWRRF Tertiary SCADA (OPTO) Improvements	\$118,000
1-3451	\$125,000	\$73,017	Facilities Repairs	\$50,000
1-3470	\$105,000	\$54,424	CRWRRF Pump Rebuilds	\$50,000
1-3492	\$270,000	\$169,099	Valve & Gate Replacement	\$70,000
1-3517	\$30,000	\$4,528	EB Access Drive Repair	\$25,000
1-3525	\$100,000	\$35,169	Rexnord Gear Box Repair	\$60,000
1-7085	\$150,000	\$46,939	CRWRRF EB Environmental Site Assessment	\$100,000
1-7127	\$165,000	\$33,138	EB Overhead River Crossings	\$130,000
1-7162	\$165,000	\$43,031	Auburn Primary Clarifiers Floor	\$119,000
1-7470	\$40,000	\$0	Sodium Hypochlorite Storage Tank Repair	\$30,000
1-7513	\$50,000	\$0	Centrifuge Repair	\$50,000

Proposed FY 2025 Projects (to be initiated)

Proj. ID	Total Project Budget	Description	FY24 Projected
	\$10,000	AUB Weir Improvements	\$0
	\$180,000	EB Blower Building Repair	\$0
	\$100,000	MCC Re-location	\$0
		Total Expense	\$985,280

CRWRRF CAPITAL IMPROVEMENT PROJECTS

FY 2023-2024 Projects (in Progress)

Proj. ID	Total Project Budget	Expensess through FY23	Description	FY24 Projected
-	-	\$0	CRWRRF CIP Unplanned	\$250,000
-	-	\$0	Vehicle and Equipment Replacements	\$195,000
1-3042	\$385,000	\$353,875	EB Aeration Blower 125hp	\$10,000
1-3455	\$50,000	\$31,493	Lab Equipment	\$15,000
1-3469	\$365,000	\$247,483	Diffuser Replacement	\$117,825
1-3485	\$75,000	\$42,248	I&C Improvements and Replacements	\$30,000
1-3679	\$650,000	\$54,487	Auburn Waterline Loop	\$450,000
1-7047	\$200,000	\$23,895	Maximum Allowable Headworks Loading (MAHL)	\$175,000
1-7048	\$200,000	\$71,947	CRWRRF Security Upgrades	\$25,000
1-7083	\$55,000	\$23,858	Strainer (HELLAN) for Plant Water	\$5,000
TBD	\$0	\$0	CRWRRF Sodium Hypochlorite Pumps	\$15,000
1-7514	\$5,000	\$0	Plant Samplers	\$5,000
1-7515	\$4,000,000	\$0	CRWRRF Optimization Project II	\$2,700,000
TBD	\$10,000	\$0	Vibration Analysis	\$10,000
TBD	\$500,000	\$0	Digester #1 changes	\$500,000
TBD	\$150,000	\$0	EB SCADA Additions	\$150,000
TBD	\$50,000	\$0	Plant SCADA assistance	\$50,000
TBD	\$280,000	\$0	Energy Study	\$280,000
TBD	\$100,000	\$0	EB Engineered Gates Replacement	\$100,000
TBD	\$100,000	\$0	EB Engineered Valves Replacement	\$100,000
TBD	\$100,000	\$0	Flow Meter Replacement (RIVA)	\$100,000

Proposed FY 2025 Projects (to be initiated)

Proj. ID	Total Project Budget	Description	FY24 Projected
	\$75,000	Water Filtration EB Process Water	\$0
	\$250,000	Auburn Blower 50hp	\$0
	\$200,000	Separate Side Stream Treatment	\$0
	\$300,000	EB Access Drive Replacement	\$0
	\$30,000	Replacment of Digester 2 Cover	\$0
	\$150,000	Tertiary Building Renovation (valves)	\$0
	\$200,000	EB Plant Condition Assessment	\$0
	\$100,000	Drain Pump - EB Blower Building	\$0
		Total Expense	\$5,282,825

**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: HVAC Mechanical As-Needed Contract with Denny's Heating, Cooling &
Refrigeration, Inc.

DATE: February 27, 2024

A few years ago, the Clinton River Water Resource Recovery Facility (CRWRRF) completed a renovation project to the plant's administration building. This project included a multiple units system to provide ventilation, heating, and cooling for the administration complex. The CRWRRF is having issues operating this system efficiently. Denny's Heating, Cooling & Refrigeration, Inc. is the local company headquartered in Troy that provided and installed the system at the facility.

Most of the existing as-needed contractors are unfamiliar with the programming and complexity of this HVAC system and are unable to provide the necessary service to resolve the issues with this system. Because Denny's is the local expert and official representative for this equipment, staff requests the Drainage Board enter into an as-needed contract with Denny's to assist staff with the maintenance and optimization of this system.

Requested Action: Authorize staff to negotiate an as-needed contract between the Clinton River Water Resource Recovery Facility Drainage District and Denny's Heating, Cooling & Refrigeration, Inc. and authorize the chairperson to execute the contract.

**Jim Nash Oakland County Water Resources Commissioner
Clinton River Water Resources Recovery Facility Drainage District
For the Clinton River Water Resources Recovery Facility Optimization Project
Pontiac, MI
Oakland County, Michigan**

Engineering Work Order No. D470 (#1)

Date: 02/22/2024

To: Jacobs Consultants, Inc.

For: CRWRRF Optimization II Project




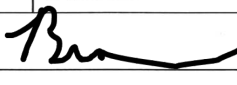
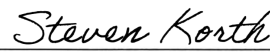
DESCRIPTION

This Engineering Work Order (EWO) is required to define specific additional tasks and compensation related to the Clinton River Water Resources Recovery Facility Optimization Project that falls under multiple sections of CONTRACT NO. 00010731. This EWO serves as your approval for compensation of the following additional serration design services as delineated below and attached:

The proposed scope will include the following:

- A) Section 1.1.3: Add the attached scope dated February 8, 2024, for aeration improvements to the project scope. This addition includes scope in Preliminary Engineering Phase Services, Design Phase Services and Bidding Services.**
- B) Section 6.4: add the following to the engineer total estimated compensation:**
- | | |
|--|----------------------|
| -Preliminary Engineering Phase Services | Add \$ 29,680 |
| -Design Phase Services | Add \$264,933 |
| -Bidding Services | Add \$ 25,387 |
| Total | \$ 320,000 |

Fees for this Engineering Work Order shall be billed on a time and material basis according to the contract standard fee and rate schedule as modified by your proposal. The total amount of the Engineering Services Agreement is to be increased by a not to exceed amount of \$320,000. This increases the total allowed project amount under this contract to \$1,516,645. This amount is not to be exceeded without written authorization from this office.

RECOMMENDED	DATE: 02/22/2024	ACCEPTED	DATE: 2/22/2024
By: 		By: 	
Razik Alsaigh, P.E. Civil Engineer III OCWRC		Shawn Thompson, P.E. Vice President Jacobs Consultants, Inc.	
APPROVED		APPROVED	
DATE: 2/22/2024		DATE: Feb. 23, 2024	
By:  		By: 	
Joel Brown, P.E. Chief Engineer OCWRC		Steven Korth, P.E. Chief Manager OCWRC	
Approved by the Drainage District Board on:			

Department No.:	6010101	Account No.:	730632
Fund No:	FND82686	Program No.:	PRG149667
Project No:	PRJ-17515	Project Activity:	ENGCON
Contract No:	CON00010731	Contract Exp:	12/31/2024

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
OCWRC Accounting

SL For Shawn Phelps

DATE: February 27, 2024

SUBJECT: Request for Approval of Invoices

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

Payable To	Ref No.	For	Amount
USA Blue Book	PC00027233	Pcard - Lab Supplies	\$ 3,114.75
USA Blue Book	PC00028884	Pcard - Lab Supplies	2,523.45
USA Blue Book	PC00027821	Pcard - Lab Supplies	1,039.89
USA Blue Book	PC00028995	Pcard - Lab Supplies	1,713.01
Amaazon.com	PC00028233	Pcard - Materials and Supplies	1,147.85
Grainger	PC00027818	Pcard - Materials and Supplies	1,290.03
The Macomb Group	PC00027832	Pcard - Materials and Supplies	1,441.27
The Macomb Group	PC00027835	Pcard - Materials and Supplies	1,609.48
The Macomb Group	PC00027838	Pcard - Materials and Supplies	2,502.56
Cech Corporation	PC00028004	Pcard - Contracted Services	1,453.21
Cech Corporation	PC00029099	Pcard - Contracted Services	1,525.88
Biotech Agronomics	V # SINV00236711	Invoice # 3554 - Contracted Services	1,128.00
Cambi Inc	V # SINV00239286	Invoice # 609810-SP-034 - Material and Supplies	6,965.42
Crane 1 Services Inc	V # SINV00236960	Invoice # I22-16069 - Contracted Services	1,305.00
D3W Industries	V # SINV00237996	Invoice # 4242 - Material and Supplies	5,720.00
D3W Industries	V # SINV00237999	Invoice # 4258 - Material and Supplies	5,720.00
D3W Industries	V # SINV00239288	Invoice # 4295 - Material and Supplies	5,720.00
D J Conley	V # SINV00241022	Invoice # SI-51308-1 - Material and Supplies	1,127.18
D J Conley	V # SINV00241023	Invoice # SI-51333-1 - Material and Supplies	1,016.00
Ingersoll Rand	V # SINV00236712	Invoice # 31104941 - Laboratory Fees	3,071.38
Haviland Products Company	V # SINV00229279	Invoice # 489138 - Chemical Treatment	14,985.00
Haviland Products Company	V # SINV00237044	Invoice # 492204 - Chemical Treatment	3,330.00
Haviland Products Company	V # SINV00236975	Invoice # 492205 - Chemical Treatment	6,051.00
Haviland Products Company	V # SINV00236980	Invoice # 492637 - Chemical Treatment	10,567.00
Haviland Products Company	V # SINV00238002	Invoice # 493540 - Chemical Treatment	7,013.46
Haviland Products Company	V # SINV00238004	Invoice # 493541 - Chemical Treatment	7,091.03
Haviland Products Company	V # SINV00238006	Invoice # 493744 - Chemical Treatment	2,960.00
Haviland Products Company	V # SINV00238008	Invoice # 494339 - Chemical Treatment	7,023.89
Haviland Products Company	V # SINV00239216	Invoice # 494508 - Chemical Treatment	3,073.00
Haviland Products Company	TBP	Invoice # 494999 - Chemical Treatment	6,935.98
Haviland Products Company	TBP	Invoice # 496027 - Chemical Treatment	3,330.00
Haviland Products Company	TBP	Invoice # 496028 - Chemical Treatment	3,073.00
HOH Water Technology	V # SINV00236992	Invoice # 668605 - Contracted Services	2,050.00
Kendall Galloup Forberg Smith Merlo Energy	V # SINV00237830	Invoice # S113473911.001 - Material and Supplies	1,829.47
Lamphere's Tree Services	V # SINV00239290	Invoice # 1850 - Contracted Services	9,450.00
Polydyne Inc	V # SINV00238014	Invoice # 1795517 - Chemical Treatment	48,972.00
Polydyne Inc	V # SINV00238017	Invoice # 1799720 - Chemical Treatment	49,269.00
Polydyne Inc	TBP	Invoice # 1808954 - Chemical Treatment	30,360.00
Polydyne Inc	TBP	Invoice # 1809317 - Chemical Treatment	48,807.00
PVS Technologies Inc	V # SINV00234432	Invoice # 347238 - Chemical Treatment	2,715.60
PVS Technologies Inc	V # SINV00234433	Invoice # 347615 - Chemical Treatment	5,065.40
PVS Technologies Inc	V # SINV00236713	Invoice # 347934 - Chemical Treatment	2,715.60
PVS Technologies Inc	V # SINV00236714	Invoice # 348077 - Chemical Treatment	5,235.28
PVS Technologies Inc	V # SINV00236995	Invoice # 349070 - Chemical Treatment	5,221.64
PVS Technologies Inc	V # SINV00236996	Invoice # 349132 - Chemical Treatment	2,538.28
PVS Technologies Inc	V # SINV00238019	Invoice # 349719 - Chemical Treatment	2,617.64
PVS Technologies Inc	V # SINV00241029	Invoice # 351014 - Chemical Treatment	2,258.04
PVS Technologies Inc	V # SINV00241030	Invoice # 351015 - Chemical Treatment	2,750.32
PVS Technologies Inc	TBP	Invoice # 351217 - Chemical Treatment	2,680.88

Octrane Forklift Inc	V # SINV00238011	Invoice # 13623 - Equipment		28,460.00
Saber Building Services Inc	V # SINV00236716	Invoice # 43178 - Contracted Services - Nov 23		1,800.00
Saber Building Services Inc	V # SINV00236998	Invoice # 43674 - Contracted Services - Jan 24		1,800.00
Saber Building Services Inc	V # SINV00239293	Invoice # 43823 - Contracted Services - Feb 24		1,800.00
State of Michigan /EGLE	V # SINV00241360	Invoice # 11180669 - Storm Water MSW Annual Permit Fee 2024		3,000.00
State of Michigan /EGLE	V # SINV00237540	Invoice # 11178465 - Industrial Storm Water Annual Permit 2024		260.00
United States Geological Survey	V # SINV00237541	Invoice # 91132686 - Stream Gauge Program		3,096.50
Waste Management	V # SINV00236722	Invoice # 8728090 -1714-0 Garbage & Rubbish Disposal		2,263.49
Waste Management	V # SINV00241038	Invoice # 8734357 -1714-5 Garbage & Rubbish Disposal		1,741.34
			Subtotal \$	395,325.20
York Repairs	V # SINV00239475	Invoice # NRI-2111 - Contracted Services - Proj # 1-3470	\$	2,934.00
Hamlett Environmental Technologies	V # SINV00241025	Invoice # 2023518 - Material & Supplies - Proj # 1-3470	\$	3,225.00
			Subtotal - Project 1-3470 \$	6,159.00
Tetra Tech, Inc	V # SINV00241034	Invoice # 52035732 - Engineering Program - 02/24/23 - Proj # 1-3485	\$	3,005.01
			Subtotal - Project 1-3485 \$	3,005.01
			Total \$	404,489.21

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

For Shawn Phelps

DATE: February 27, 2024

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

	Ref No.	For	Amount
Jacobs Consultant, Inc	V # SINV00241041	Invoice # C6A21700-12 - Engineering and Survey - 12/29/23 - Proj # 1-7461	38,723.74
Jacobs Consultant, Inc	TBP	Invoice # C6A21700-13 - Engineering and Survey - 01/26/24 - Proj # 1-7461	11,673.57
		Total for Project # 1-7461	\$ 50,397.31
		Total	\$ 50,397.31

2. Acacia Park CSO

AGENDA

DRAINAGE BOARD FOR THE ACACIA PARK CSO DRAIN

February 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of January 23, 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 \$34,618.92
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

January 23, 2024

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 23rd day of January 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 December 19, 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 memorandum from Lesli Maes, P.E., Operations Engineer, dated January 23, 2024, requesting the Board approve the listed Acacia Park CSO Retention Treatment Basin projects at a cost of \$379,000 utilizing funds from Major Maintenance and Capital Improvement reserves was presented. It was moved by Markham, supported by Woodward to approve the listed Acacia Park CSO Retention Treatment Basin projects at a cost of \$379,000 utilizing funds from Major Maintenance and Capital Improvement reserves as presented.

ADOPTED: Yeas - 3
Nays - 0

A request for reimbursement of the Evergreen Farmington Fund in the amount of \$103,519 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the reimbursement of the Evergreen Farmington Fund in the amount of \$103,519.

ADOPTED: Yeas - 3
Nays - 0

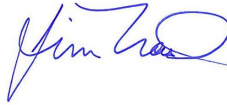
A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$5,243 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$5,243.

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.

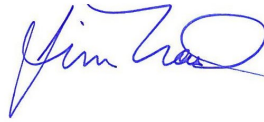


Jim Nash, Chairperson

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 Acacia Park CSO Drain, Oakland County, Michigan, held on the 23rd day of January 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 Acacia Park CSO Drain Drainage District.



Jim Nash, Chairperson

Dated: January 23, 2024

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

SL FOR SHAWN PHELPS

DATE: February 27, 2024

SUBJECT: Request for Approval of Invoices

The following is a detail of Maintenance charges paid from the Drain Revolving Fund and Invoices
for the period ending February 21, 2024

G/L Date	Ref No.	Paid To	For	Amount
	TBP	JCI Jones Chemicals Inc	Invoice # 932288 - Chlorination Supplies	\$ 8,628.92
			Subtotal	\$ 8,628.92
1/22/2024	V # SINV00235775	Kentain Products Limited	Invoice # 7134 - Contracted Services - Proj 1-3543	\$ 25,990.00
			Subtotal Project 1-3543	\$ 25,990.00
			Total	\$ 34,618.92

3. Birmingham CSO

AGENDA

DRAINAGE BOARD FOR THE BIRMINGHAM CSO DRAIN

February 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of January 23, 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 \$5,394.48
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

January 23, 2024

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 23rd day of January 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 December 19, 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 memorandum from Lesli Maes, P.E., Operations Engineer, dated January 23, 2024, requesting the Board approve the listed Bloomfield Village CSO Retention Treatment Basin projects at a cost of \$264,000 utilizing funds from Major Maintenance and Capital Improvement reserves was presented. It was moved by Markham, supported by Woodward, to approve the listed Bloomfield Village CSO Retention Treatment Basin projects at a cost of \$264,000 utilizing funds from Major Maintenance and Capital Improvement reserves as presented.

ADOPTED: Yeas - 3
Nays - 0

A request for reimbursement of the Evergreen Farmington Fund in the amount of \$109,761.51 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the reimbursement of the Evergreen Farmington Fund in the amount of \$109,761.51.

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 \$10,400 (as attached) was presented. It was moved by

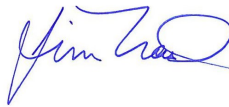
Markham, supported by Woodward to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$10,400.

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.

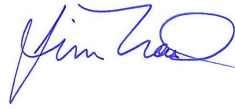
A handwritten signature in blue ink, appearing to read "Jim Nash", is written above a horizontal line.

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 Birmingham CSO Drain, Oakland County, Michigan, held on the 23rd day of January 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 Birmingham CSO Drain Drainage District.



Jim Nash, Chairperson

Dated: January 23, 2024

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting

JP For Shawn Phelps

DATE: February 27, 2024

SUBJECT: Request for Approval of Invoices

The following is a detail of Maintenance charges paid from the Drain Revolving Fund and Invoices
for the period ending February 21, 2024

G/L Date	Ref No.	Paid To	For	Amount
1/17/2024	V # SIN00234929	JCI Jones Chemicals Inc	Invoice # 931443 - Chlorination Supplies	\$ 5,394.48
			Total	<u>\$ 5,394.48</u>

4. Bloomfield Village CSO

AGENDA

DRAINAGE BOARD FOR THE BLOOMFIELD VILLAGE CSO DRAIN

February 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of January 23, 2024
3. Public Comments
4. Present request for reimbursement of the Evergreen Farmington Fund in the amount of \$17,262.68
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

January 23, 2024

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 23rd day of January 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 December 19, 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 memorandum from Lesli Maes, P.E., Operations Engineer, dated January 23, 2024, requesting the Board approve the listed Bloomfield Village CSO Retention Treatment Basin projects at a cost of \$241,000 utilizing funds from Major Maintenance and Capital Improvement reserves was presented. It was moved by Markham, supported by Woodward, to approve the listed Bloomfield Village CSO Retention Treatment Basin projects at a cost of \$241,000 utilizing funds from Major Maintenance and Capital Improvement reserves as presented.

ADOPTED: Yeas - 3
Nays - 0

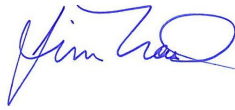
A request for reimbursement of the Evergreen Farmington Fund in the amount of \$140,973 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the reimbursement of the Evergreen Farmington Fund in the amount of \$140,973.

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.

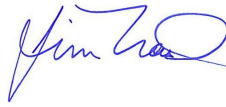
A handwritten signature in blue ink, appearing to read "Jim Nash", is positioned above a horizontal line.

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 Bloomfield Village CSO Drain, Oakland County, Michigan, held on the 23rd day of January 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 Bloomfield Village CSO Drain Drainage District.



Jim Nash, Chairperson

Dated: January 23, 2024

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting

SP FOR SHAWN PHELPS

DATE: February 27, 2024

SUBJECT: Request for Approval of Invoices

The following is a detail of Maintenance charges paid from the Drain Revolving Fund and Invoices
for the period ending February 21, 2024

G/L Date	Ref No.	Paid To	For	Amount
1/17/2024	V # SINV00234933	JCI Jones Chemicals Inc	Invoice # 931444 - Chlorination Supplies	\$ 4,861.78
2/7/2024	V # SINV00239479	JCI Jones Chemicals Inc	Invoice # 933034 - Chlorination Supplies	9,581.95
			Subtotal	<u>\$ 14,443.73</u>
1/24/2024	V # SINV00236718	Shaw Service & Maintenance	Invoice # 910009819 -Contracted Services - Proj # 1-3501	\$ 2,818.95
			Total Project 1-3501	<u>\$ 2,818.95</u>
			Total	<u><u>\$ 17,262.68</u></u>

5. George W. Kuhn Drain

AGENDA

DRAINAGE BOARD FOR THE GEORGE W. KUHN DRAIN

February 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of January 23, 2024
3. Public Comments
4. Present Memorandum from Lynne Seymour, P.E., Chief Engineer, dated February 27, 2024, 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 Memorandum from Stephanie Petriello, Environmental Planner, dated February 27, 2024, requesting the Board receive and file the RainSmart Rebates Pilot Program Update
6. Present Change Order No. 1 for Doetsch Environmental Services for Construction of the 2023 GWK Sewer Cleaning and Inspection for a net increase in the amount of \$20,728.00
7. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$141,279.45
8. Other business
9. Approve pro rata payment to Drainage Board members
10. Adjourn

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

January 23, 2024

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 23rd day of January 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 December 19, 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 memorandum Lesli Maes, P.E., Operations Engineer, dated January 23, 2024, requesting the Board approve the listed GWK Retention Treatment Basin projects at a cost of \$2,243,000 utilizing funds from Major Maintenance and Capital Improvement reserves was presented. It was moved by Markham, supported by Woodward, to approve the listed GWK Retention Treatment Basin projects at a cost of \$2,243,000 utilizing funds from Major Maintenance and Capital Improvement reserves as presented.

ADOPTED: Yeas - 3
Nays - 0

A memorandum from Stephanie Petriello, Environmental Planner, dated January 23, 2024, requesting the Board receive and file the RainSmart Rebates Pilot Program Update was presented. It was moved by Markham, supported by Woodward, to receive and file the RainSmart Rebates Pilot Program Update 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 \$57,868.72 (as attached) was presented. It was moved by

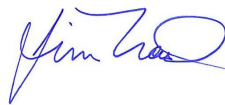
Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$57,868.72.

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.

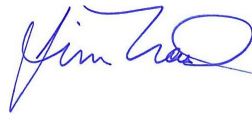
A handwritten signature in blue ink, appearing to read "Jim Nash", is written above a horizontal line.

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 George W. Kuhn Drain, Oakland County, Michigan, held on the 23rd day of January 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 George W. Kuhn Drain Drainage District.



Jim Nash, Chairperson

Dated: January 23, 2024

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

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

FROM: Lynne Seymour, P.E., Chief Engineer

SUBJECT: George W. Kuhn Drain Drainage District Release Rate

DATE: February 27, 2024

On April 27, 2021, the Chapter 20 Policy Matters Board approved an 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).

Because the approved standards only apply to separate storm systems, a requirement for the allowable release rate for the George W. Kuhn Drain needs to be established and adopted. In previous versions of the county's stormwater standards, the stormwater requirements were applied to combined sewer systems including the GWK Drain Drainage District.

Based on the system design and to ensure adequate capacity, staff recommends this Board adopt a release rate not to exceed 0.2 cubic feet per second per acre. This rate is consistent with the previous GWK 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 GWK Drain Drainage District for new development and redevelopment projects.

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**

MEMORANDUM

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

FROM: Stephanie Petriello, Environmental Planner

SUBJECT: RainSmart Rebates Pilot Program Update

DATE: February 27, 2024

RainSmart Rebates, a residential Green Stormwater Infrastructure rebate pilot program for the George W. Kuhn Drain Drainage District, has received more than 340 applications since it began accepting applications on January 2, 2024. At its September 26, 2023 meeting, this Board authorized \$200,000 spread over two years (2024-2025) for the distribution of homeowner rebates after successful installations of rain gardens, rain barrels, and trees through the RainSmart Rebates program.

Given the high interest in the program and the waitlist that has been established, the WRC intends to utilize up to \$180,000 in rebates this year. The remaining \$20,000 will be reserved for the equity grant in 2025.

Long-term, alternative funding will be pursued later in the year when the installation metrics are known.

Requested Action: Receive and file.

CHANGE ORDER**CHANGE ORDER NO. 1**

Jim Nash, Oakland County Water Resources Commissioner
System Name or Drainage District Name
For Construction of the 2023 G.W.K. Sewer Cleaning and Inspection
George W. Kuhn Drain Drainage District
Oakland County, Michigan

Authorization for Extras To & Changes In Contract

Department No. : 6010101
Fund No. : 58510
Project No. : PRJ-17334

Account No. : 730373
Program No. : 149662
Project Activity : FAC

Contractor :
Doetsch Environmental Services
21221 Mullin Ave
Warren MI 48089

Contract No. : 10563
Date of Contract: 10/23/23
Completion Date: 8/23/24

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
79	LOCATION: NEW LOCATIONS Detroit Zoo Grounds Allen Branch of the Royal Oak Drain DESCRIPTION (Change/Add): Clean and Televiser, PACP Reporting, 54" Combined Sewer REASON: Addition of sewers located in the easements of the Detroit Zoo. Due to ongoing services within the zoo property, Doetsch is familiar with the working relationship at the zoo. It was discussed between WRC, HRC and Doetsch that it would be best to add this additional work under this project instead of listing it under the next phase project of GWK 2024 Sewer Cleaning and Inspection. See attached map and spreadsheet for sewer segments and location.	LFT	1530.0	\$5.75	\$8,797.50	---

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

CHANGE ORDER

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
80	<p>LOCATION: Detroit Zoo Grounds Allen Branch of the Royal Oak Drain</p> <p>DESCRIPTION (Change/Add, Change Delete, Extra/Add, Extra Delete): Clean and Televiser, PACP Reporting, 108" Combined Sewer</p> <p>REASON: Addition of sewers located in the easements of the Detroit Zoo. Due to ongoing services within the zoo property, Doetsch is familiar with the working relationship at the zoo. It was discussed between WRC, HRC and Doetsch that it would be best to add this additional work under this project instead of listing it under the next phase project of GWK 2024 Sewer Cleaning and Inspection. See attached map and spreadsheet for sewer segments and location.</p>	LFT	1750.0	\$4.25	\$7,437.50	---
81	<p>LOCATION: Detroit Zoo Grounds Allen Branch of the Royal Oak Drain</p> <p>DESCRIPTION (Change/Add, Change Delete, Extra/Add, Extra Delete): Clean and Televiser, PACP Reporting, 114" Combined Sewer</p> <p>REASON: Addition of sewers located in the easements of the Detroit Zoo. Due to ongoing services within the zoo property, Doetsch is familiar with the working relationship at the zoo. It was discussed between WRC, HRC and Doetsch that it would be best to add this additional work under this project instead of listing it under the next phase project of GWK 2024 Sewer Cleaning and Inspection. See attached map and spreadsheet for sewer segments and location.</p>	LFT	263.0	\$4.25	\$1,117.75	---

CHANGE ORDER

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
82	<p>LOCATION: Detroit Zoo Grounds Allen Branch of the Royal Oak Drain</p> <p>DESCRIPTION (Change/Add, Change Delete, Extra/Add, Extra Delete): Clean and Televiser, PACP Reporting, 24" Combined Sewer</p> <p>REASON: Addition of sewers located in the easements of the Detroit Zoo. Due to ongoing services within the zoo property, Doetsch is familiar with the working relationship at the zoo. It was discussed between WRC, HRC and Doetsch that it would be best to add this additional work under this project instead of listing it under the next phase project of GWK 2024 Sewer Cleaning and Inspection. See attached map and spreadsheet for sewer segments and location.</p>	LFT	278.0	\$5.75	\$1,598.50	---
83	<p>LOCATION: Detroit Zoo Grounds Allen Branch of the Royal Oak Drain</p> <p>DESCRIPTION (Change/Add, Change Delete, Extra/Add, Extra Delete): Clean and Televiser, PACP Reporting, 30" Combined Sewer</p>	LFT	309.0	\$5.75	\$1,776.75	---

CHANGE ORDER

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
	REASON: Addition of sewers located in the easements of the Detroit Zoo. Due to ongoing services within the zoo property, Doetsch is familiar with the working relationship at the zoo. It was discussed between WRC, HRC and Doetsch that it would be best to add this additional work under this project instead of listing it under the next phase project of GWK 2024 Sewer Cleaning and Inspection. See attached map and spreadsheet for sewer segments and location.					
				Totals	\$20,728.00	\$0.00
				Net Increase	\$20,728.00	---

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

CHANGE ORDER NO. 1

Jim Nash, Oakland County Water Resources Commissioner
System Name or Drainage District Name
For Construction of the 2023 G.W.K. Sewer Cleaning and Inspection
George W. Kuhn Drain Drainage District
Oakland County, Michigan

Prepared by: George P. Nichols Date: 01/29/24
George P. Nichols, P.E., Assistant Chief Engineer

Recommended by: Matthew Hughes Date: 01/25/2024
Matthew Hughes, P.E., Hubbell, Roth & Clark

Approved by: _____ Date: _____
Evangelos Bantios, 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: _____ Date: _____
Name/Title
Doetsch Environmental Services

Approved by: _____ Date: _____
Gary Nigro, P.E. 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. 1

Jim Nash, Oakland County Water Resources Commissioner
System Name or Drainage District Name
For Construction of the 2023 G.W.K. Sewer Cleaning and Inspection
George W. Kuhn Drain Drainage District
Oakland County, Michigan

Notice to Proceed Date:	Friday, October 27, 2023
Contract Substantial Completion Date:	Sunday, June 23, 2024
Contract Final Completion Date:	Friday, August 23, 2024
Original Contract Value:	\$ 685,553.25
Previous C.O. Values:	\$ -
Change Order No. 1 Value	\$ 20,728.00
Adjusted Contract Value	\$ 706,281.25

JIM NASH
OAKLAND COUNTY WATER RESOURCE COMMISSIONER

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting

FOR SHAWN PHELPS

DATE: February 27, 2024

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

Payable To	Ref No.	For	Amount
Dickinson Wright PLLC	SINV00238335	Invoice # 1881936 - Legal Services - 12/31/23	\$ 911.10
Dickinson Wright PLLC	SINV00238336	Invoice # 1881939 - Legal Services - 12/31/23	4,556.50
Dickinson Wright PLLC	SINV00238337	Invoice # 1881943 - Legal Services - 11/30/23	48,754.27
Dickinson Wright PLLC	SINV00238338	Invoice # 1884621 - Legal Services - 12/31/23	513.50
Dickinson Wright PLLC	SINV00238339	Invoice # 1884622 - Legal Services - 12/31/23	7,653.60
Dickinson Wright PLLC	SINV00238340	Invoice # 1884623 - Legal Services - 01/12/24	9,889.00
Dickinson Wright PLLC	SINV00238341	Invoice # 1884624 - Legal Services - 01/12/24	8,522.40
Dickinson Wright PLLC	SINV00238342	Invoice # 1884625 - Legal Services - 01/12/24	8,522.90
		Total	\$ 89,323.27
Center for Watershed Protection, Inc	TBP	Invoice # W-22-37a #1- Contracted Services - 01/31/24	\$ 5,866.25
		Project 1-7235	\$ 5,866.25
ICS Integration Services LLC	SINV00241186	Invoice # 2921 Contracted Services - Proj 1-2847	\$ 952.00
ICS Integration Services LLC	TBP	Invoice # 2926 Contracted Services - Proj 1-2847	249.73
		Project 1-2847	\$ 1,201.73
ICS Integration Services LLC	SINV00239848	Invoice # 2916 - Contracted Services - Proj 1-3437	\$ 1,256.20
		Project 1-3437	\$ 1,256.20
Hubbell, Roth, & Clark Inc	SINV00239845	Invoice # 0208509 - Contracted Service - 06/30/23 - Proj 1-3484	\$ 11,581.66
Hubbell, Roth, & Clark Inc	TBP	Invoice # 0214351 - Contracted Service - 01/06/24 - Proj 1-3484	4,050.34
		Project 1-3484	\$ 15,632.00
Kentain Products Limited	V # SINV00235775	Invoice # 7134 - Contracted Services - Proj 1-3483	\$ 28,000.00
		Project 1-3483	\$ 28,000.00
		Total	\$ 141,279.45

6. Evergreen-Farmington Sanitary Drain

AGENDA

DRAINAGE BOARD FOR THE EVERGREEN-FARMINGTON SANITARY DRAIN

February 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of December 19, 2023
3. Public Comments
4. Present Construction Estimate No. 4 for Midwest Power Systems for Construction of the Lathrup Sanitary Retention Tank Improvements in the amount of \$101,367.50 with a transfer to the Oakland County Treasurer in the amount of \$532.50
5. Present Construction Estimate No. 23 for Walsh Construction Company II, LLC for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$1,191,112.48 with a transfer to the Oakland County Treasurer in the amount of \$132,345.83
6. Present Construction Estimate No. 5 for Dan's Excavating for Construction of the 8 Mile Road Corrective Action Plan – Phase 2 in the amount of \$621,309.24 with a transfer to the Oakland County Treasurer in the amount of \$69,034.36
7. Present request for Board approval of payment of invoices from the Evergreen Farmington Sanitary Drain in the amount of \$254,642.13.
8. Other business
9. Approve pro rata payment to Drainage Board members
10. Adjourn

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

January 23, 2024

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 23rd day of January 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 December 19, 2023, were presented for consideration. It was moved by Markham, supported by Nash, 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 Evans Bantios, P.E., Chief Engineer, dated January 23, 2024, requesting the Board approve the budget request for the design phase of the Biddestone Pump Station Rehabilitation project for \$290,000 was presented. It was moved by Markham, supported by Woodward, to approve the budget request for the design phase of the Biddestone Pump Station Rehabilitation project for \$290,000 as presented.

ADOPTED: Yeas - 3
Nays - 0

A memorandum from Scott Schultz, Project Engineer, dated January 23, 2024, requesting the Board award DLZ Michigan, Inc. a contract for design engineering services for the Biddestone Pump Station Rehabilitation project in the amount of \$168,000 was presented. It was moved by Markham, supported by Woodward, to award DLZ Michigan, Inc. a contract for design engineering services for the Biddestone Pump Station Rehabilitation project in the amount of \$168,000 as presented.

ADOPTED: Yeas - 3
Nays - 0

A memorandum from Evans Bantios, P.E., Chief Engineer, dated January 23, 2024, requesting the Board approve the budget request for the design phase of the Inkster Pump Station Rehabilitation project for \$240,000 was presented. It was moved by Markham, supported by Woodward, to approve the budget request for the design phase of the Inkster Pump Station Rehabilitation project for \$240,000 as presented.

ADOPTED: Yeas - 3
Nays - 0

A memorandum from Scott Schultz, Project Engineer, dated January 23, 2024, requesting the Board award DLZ Michigan, Inc. a contract for design engineering services for the Inkster Pump Station Rehabilitation project in the amount of \$125,000 was presented. It was moved by Markham, supported by Woodward, to award DLZ Michigan, Inc. a contract for design engineering services for the Inkster Pump Station Rehabilitation project in the amount of \$125,000 as presented.

ADOPTED: Yeas - 3
Nays - 0

Change Order No. 2 for Midwest Power Systems, Inc. for Construction of the Lathrup Village Sanitary Retention Tank Improvements for a net increase in the amount of \$10,650.00 was presented. It was moved by Markham, supported by Woodward, to approve Change Order No. 2 for Midwest Power Systems, Inc. for Construction of the Lathrup Village Sanitary Retention Tank Improvements for a net increase in the amount of \$10,650.00 as presented.

ADOPTED: Yeas - 3
Nays - 0

Change Order No. 2 for Dan's Excavating Inc. for the 8 Mile Corrective Action Plan Phase 2 – 8 Mile Pump Station for a net increase in the amount of \$14,400.00 was presented. It was moved by Markham, supported by Woodward, to approve Change Order No. 2 for Dan's Excavating Inc. for the 8 Mile Corrective Action Plan Phase 2 – 8 Mile Pump Station for a net increase in the amount of \$14,400.00 as presented.

ADOPTED: Yeas - 3
Nays - 0

Construction Estimate No. 3 for Midwest Power Systems for construction of the Lathrup Sanitary Retention Tank Improvements in the amount of \$809,386.24 with a transfer to the Oakland County Treasurer in the amount of \$87,815.21 was presented. It was moved by Markham, supported by Woodward to approve Construction Estimate No. 3 for Midwest Power Systems for construction of the Lathrup Sanitary Retention Tank Improvements in the amount of \$809,386.24 with a transfer to the Oakland County Treasurer in the amount of \$87,815.21 as presented.

ADOPTED: Yeas - 3

Nays - 0

Construction Estimate No. 22 for Walsh Construction Company II, LLC for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$910,776.38 with a transfer to the Oakland County Treasurer in the amount of \$101,197.38 was presented. It was moved by Markham, supported by Woodward, to approve Construction Estimate No. 22 for Walsh Construction Company II, LLC for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$910,776.38 with a transfer to the Oakland County Treasurer in the amount of \$101,197.38 as presented.

ADOPTED: Yeas - 3
Nays - 0

Construction Estimate No. 4 for Dan's Excavating for construction of the 8 Mile Road Corrective Action Plan – Phase 2 in the amount of \$834,681.07 with a transfer to the Oakland County Treasurer in the amount of \$92,742.34 was presented. It was moved by Markham, supported by Woodward, to approve Construction Estimate No. 4 for Dan's Excavating for construction of the 8 Mile Road Corrective Action Plan – Phase 2 in the amount of \$834,681.07 with a transfer to the Oakland County Treasurer in the amount of \$92,742.34 as presented.

ADOPTED: Yeas - 3
Nays - 0

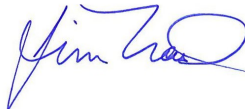
A request for approval of payment of invoices and/or reimbursement in the amount of \$544,118.96 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement in the amount of \$544,118.96.

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.

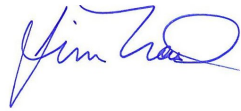


Jim Nash, Chairperson

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 23rd day of January 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 Evergreen-Farmington Sanitary Drain Drainage District.



Jim Nash, Chairperson

Dated: January 23, 2024

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

Construction Estimate No. 4

1-13-2024 to 2-13-2024

Department No. : CCN6010101
Fund No. : FND84410
Project No. : PRJ-17450

Account No. : 730639
Program No. : PRG149015
Activity : FA C

Vendor No. : 40564
Contract No. : CON00010270

Date of Contract : April 19, 2023
Completion Date : May 3, 2024

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

Original Contract Amount: \$2,318,504.20

Previous Change Order Number (CO #1): \$4,600.00

Change Orders This Estimate (CO #2): \$10,650.00

Total Net Change Orders: \$15,250.00

Adjusted Contract Amount: \$2,333,754.20

Subtotal To Date: (Sheet 2 of 2 Column 7) \$1,282,501.45

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

Gross Estimate: (Work in Place) 54.95% \$1,282,501.45

Less Amount Reserved: (5% of Adjusted Contract Amount) \$116,687.71

Total Amount Allowed To Date: \$1,165,813.74

Less Previous Estimates: \$1,064,446.24

Net Payment Request To Be Paid To Contractor: \$101,367.50

Reserve Payment to Contractor \$0.00

Balance of Contract To Date ✓ \$1,051,252.75 Accounting Auditor: *BER* 2/15/2024

Less Previous Transfers To Reserve: \$116,155.21

Amount of Current Transfer: \$532.50

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

Date: 2/20/2024

Recommended by: *John Bergsma*
John Bergsma, P.E. - Consulting Engineer

Date: 2/16/2024

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

Date: 2/22/2024

Approved by Board on: _____

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. 23

January 1, 2024 to Jan. 31, 2024

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, 2, 3, 4, 5, 6, 7, and 8.		\$50,292,966.06
Change Orders This Estimate Number:		\$0.00
Total Net Change Orders:		\$50,292,966.06
Adjusted Contract Amount:		\$50,292,966.06 ✓
Subtotal To Date: (Sheet 2 of 3 Column 7)		\$14,946,073.78
Less Deductions to Date: (Sheet 2 of 3 Column 7)		\$0.00
Gross Estimate: (Work in Place)	29.72%	\$14,946,073.78
Less Amount Reserved: (10% of Gross Estimate)		\$1,494,607.38
Total Amount Allowed To Date:		\$13,451,466.40 ✓
Less Previous Estimates:		\$12,260,353.92
Net Payment Request To Be Paid To Contractor:		\$1,191,112.48
Reserve Payment to Contractor		\$0.00
Balance of Contract To Date	✓ \$35,346,892.28	Accounting Auditor: <i>BCR</i> 2/15/2024
Less Previous Transfers To Reserve:		\$1,362,261.55 ✓
Amount of Current Transfer:		\$132,345.83

Prepared by: *Charles J. Roarty, Jr.*
Charles J. Roarty, Jr., P.E. - NTH Consultants

Date: 2024 01 31

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

Date: 2/1/2024

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

Date: 2-23-2023

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

Date: _____

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 Construction of 8 Mile Road CAP Phase 2 - 8 Mile Pump Station 54-Inch Relief Forcemain
Southfield, Michigan

Construction Estimate No. 5

January 1, 2024 to Jan. 31, 2024

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

Account No. : 730352
Program No. : PRG149015
Activity : FAC
Vendor No. : 40260
Contract No. : 10305
Date of Contract : 7/17/2023
Completion Date : 1/12/2025

Contractor :
Dan's Excavating, Inc.
12955 23 Mile Road
Shelby Township, MI 48315

Original Contract Amount: \$10,381,154.00

Previous Change Order Numbers: CO No. 1 \$199,893.91

Change Orders This Estimate Number: CO No. 2 \$14,400.00

Total Net Change Orders: \$214,293.91

Adjusted Contract Amount: \$10,595,447.91

Subtotal To Date: (Sheet 2 of 2 Column 7) \$3,522,416.60

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

Gross Estimate: (Work in Place) 33.24% \$3,522,416.60

Less Amount Reserved: (10% of Gross Estimate) \$352,241.66

Total Amount Allowed To Date: \$3,170,174.94

Less Previous Estimates: \$2,548,865.70

Net Payment Request To Be Paid To Contractor: \$621,309.24

Reserve Payment to Contractor \$0.00

Balance of Contract To Date ✓ \$7,073,031.31 Accounting Auditor: *BCR* 2/15/2024

Less Previous Transfers To Reserve: \$283,207.30

Amount of Current Transfer: \$69,034.36

Prepared by: *Charles J. Roarty, Jr.*
Charles J. Roarty, Jr., P.E. - NTH Consultants

Date: 2024 02 07

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

Date: 2/7/2024

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

Date: 2/20/2024

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

Date: 2/22/2024

Approved by Board on: _____

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting

SA For Shawn Phelps

DATE: February 27, 2024

SUBJECT: Request for Approval of Invoices

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

Payable To	Ref No.	For	Amount
Hubbell Roth and Clark Inc	SINV00239347	Inv# 0214296 - Engineering Services - Proj #17449	8,983.49
		Subtotal - Project #17449	\$ 8,983.49
Hubbell Roth and Clark Inc	SINV00241010	Inv# 0214285 - Engineering Services - Proj #17450	1,922.73
		Subtotal - Project #17450	\$ 1,922.73
Fishbeck	SINV00239182	Inv# 433141 - Engineering Services - Proj #17452	17,956.16
NTH Consultants, Ltd.	SINV00239183	Inv# 635010 - Engineering Services - Proj #17452	7,090.25
PMA Consultants	SINV00236692	Inv# 04582.00 - 1.0-14 - Professional Services - Proj #17452	5,260.00
		Subtotal - Project #17452	\$ 30,306.41
Fishbeck	SINV00239179	Inv# 432837 - Engineering Services - Proj #17455	2,293.00
		Subtotal - Project #17455	\$ 2,293.00
DLZ Michigan Inc	SINV00239176	Inv# 000152879 - Professional Services - Proj #17456	7,109.00
		Subtotal - Project #17456	\$ 7,109.00
DLZ Michigan Inc	SINV00238142	Inv# 000154838 - Engineering Services - Proj #17459	11,287.00
		Subtotal - Project #17459	\$ 11,287.00
Dickinson Wright PLLC	SINV00238140	Inv# 1881938 - Contracted Services	1,303.50
Dickinson Wright PLLC	SINV00241074	Inv# 1884619 - Contracted Services	40,330.00
MacAllister Machinery Co Inc	SINV00239807	Inv# SD15699888 - Contracted Services	\$ 1,855.00
MacAllister Machinery Co Inc	SINV00241095	Inv# SD15692572 - Contracted Services	1,290.00
MacAllister Machinery Co Inc	SINV00241097	Inv# SD15692654 - Contracted Services	1,854.00
MacAllister Machinery Co Inc	SINV00241100	Inv# SD15714309 - Contracted Services	1,111.00
MacAllister Machinery Co Inc	SINV00241104	Inv# SD15714316 - Contracted Services	1,084.00
MacAllister Machinery Co Inc	SINV00241110	Inv# SD15699898 - Contracted Services	1,068.00
MacAllister Machinery Co Inc	SINV00241116	Inv# SD15730851 - Contracted Services	1,077.00
MacAllister Machinery Co Inc	SINV00241121	Inv# SD15730874 - Contracted Services	1,137.00
MacAllister Machinery Co Inc	SINV00241126	Inv# SD15730988 - Contracted Services	1,084.00
MacAllister Machinery Co Inc	SINV00241131	Inv# SD15731204 - Contracted Services	1,068.00
MacAllister Machinery Co Inc	SINV00241137	Inv# SD15731269 - Contracted Services	1,093.00
Orchard Hiltz and McCliment Inc	SINV00238144	Inv# 70887 - Contracted Services	8,666.50
Pipeline Management Company	SINV00241140	Inv# 23-01070 - Contracted Services	10,970.00
Pipeline Management Company	SINV00241145	Inv# 23-01011 - Contracted Services	71,888.50
Pipeline Management Company	SINV00241147	Inv# 24-01068 - Contracted Services	45,861.00
		Subtotal	\$ 192,740.50
		Total	\$ 254,642.13

7. Joseph Jones Drain

AGENDA

DRAINAGE BOARD FOR THE JOSEPH JONES DRAIN

February 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of December 19, 2023
3. Public Comments
4. Present Memorandum from Sarah Stoolmiller, P.E., Civil Engineer III, dated February 27, 2024, requesting the Board award the engineering services contract to Drummond Carpenter, PLLC, for a not-to-exceed price of \$87,752.00 and authorize a budget of \$17,000 for project administration of the Oakland Park – Green Infrastructure Improvement Project
5. Present Memorandum from Sarah Stoolmiller, P.E., Civil Engineer III, dated February 27, 2024, requesting the Board award the engineering services contract to Geosyntec Consultants, Inc. for a not-to-exceed price of \$150,978 and authorize a budget of \$19,000 for project administration of the Perry Park – Green Infrastructure Improvement Project.
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE JOSEPH JONES DRAIN**

December 19, 2023

A meeting of the Drainage Board for the Joseph Jones 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 19th day of December 2023.

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 April 25, 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.

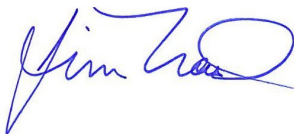
A memorandum from Sarah Stoolmiller, P.E., Civil Engineer III, dated December 19, 2023, requesting the Board authorize the Chairperson to accept the Clean Water State Revolving Fund grant funding for the Perry Park and Oakland Park Green Infrastructure Improvements Projects and authorize staff to solicit proposals for design engineering work was presented. It was moved by Markham, supported by Woodward to accept the Clean Water State Revolving Fund grant funding for the Perry Park and Oakland Park Green Infrastructure Improvements Projects and authorize staff to solicit proposals for design engineering work 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.

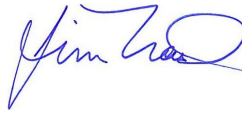
A handwritten signature in blue ink, appearing to read "Jim Nash", with a large, stylized loop at the end.

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 Joseph Jones Drain, Oakland County, Michigan, held on the 19th day of December 2023, 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 Joseph Jones Drain Drainage District.



Jim Nash, Chairperson

Dated: December 19, 2023

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

TO: Jim Nash, Chairperson of the Joseph Jones Drain Drainage Board

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

SUBJECT: Clean Water State Revolving Fund Engineering Services Proposal for the Oakland Park – Green Infrastructure Improvement Project

DATE: February 27, 2024

Earlier this year, Hubbell, Roth, & Clark, Inc. was hired to develop a 2024 project plan in accordance with the Clean Water State Revolving Fund (CWSRF) guidance. The plan identifies 15 projects across Oakland County and within multiple drainage districts to address nonpoint source pollution, including Oakland Park in the Joseph Jones Drain Drainage District. In April 2023, the Joseph Jones Drain Drainage Board signed a resolution adopting the updated SRF project plan. In doing so, it allowed the district to be eligible for a CWSRF loan for Oakland Park. When the final CWSRF priority ranking list was published, it was announced that the Oakland Park - Green Infrastructure Improvement Project would receive 100% grant funding, up to \$530,000. At its December 19, 2023 meeting, the board accepted the CWSRF grant funding and authorized staff to solicit proposals for the design engineering work for this project.

The Oakland Park project proposes the construction of stormwater wetlands to collect runoff and reduce non-point source pollution. Oakland Park, located in the City of Pontiac, regularly accumulates standing water after rainfall events from the surrounding areas and the water is then pumped into the local storm sewer system, which is at a higher elevation than the park area. This proposed project will include the construction of stormwater wetlands that will reduce nonpoint source pollution in the storm drain system by collecting stormwater and improving water quality by facilitating infiltration of runoff with vegetative treatment.

Last month, the WRC solicited proposals from professional engineering firms to design the project. Drummond Carpenter, PLLC, was selected based on its award-winning project experience, understanding of the project, and highly qualified staff. The firm's proposed budget is \$87,752.00. It is estimated staff engineering and Right of Way staff time to be approximately \$17,000 for the planning and design phase of this project.

Requested Action: Award the engineering services contract to Drummond Carpenter, PLLC, for a not-to-exceed price of \$87,752.00 and authorize a budget of \$17,000 for WRC project administration of the Oakland Park – Green Infrastructure Improvement Project.

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

TO: Jim Nash, Chairperson of the Joseph Jones Drain Drainage Board

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

SUBJECT: Clean Water State Revolving Fund Engineering Services Proposal for the Perry Park – Green Infrastructure Improvement Project

DATE: February 27, 2024

Earlier this year, Hubbell, Roth, & Clark, Inc. was hired to develop a 2024 project plan in accordance with the Clean Water State Revolving Fund (CWSRF) guidance. The plan identifies 15 projects across Oakland County and within multiple drainage districts to address nonpoint source pollution, including Perry Park in the Joseph Jones Drain Drainage District. In April 2023, the Joseph Jones Drain Drainage Board signed a resolution adopting the updated SRF project plan. In doing so, it allowed the district to be eligible for a CWSRF loan for Perry Park. When the final CWSRF priority ranking list was published, it was announced that the Perry Park - Green Infrastructure Improvement Project would receive 100% grant funding, up to \$810,000. At its December 19, 2023 meeting, the board accepted the CWSRF grant funding and authorized staff to solicit proposals for the design engineering work for this project.

The Perry Park project proposes the construction of stormwater wetlands to collect runoff and reduce non-point source pollution. Perry Park, located in the City of Pontiac, regularly accumulates standing water after rainfall events from the surrounding areas and the water is then pumped into the local storm sewer system, which is at a higher elevation than the park area. This proposed project will include the construction of stormwater wetlands that will reduce nonpoint source pollution in the storm drain system by collecting stormwater and improving water quality by facilitating infiltration of runoff with vegetative treatment.

Last month, the WRC solicited proposals from professional engineering firms to design the project. Geosyntec Consultants, Inc. was selected based on its award-winning project experience, understanding of the project, and highly qualified staff. The firm's proposed budget is \$150,978. It is estimated staff engineering and Right of Way staff time to be approximately \$19,000 for the planning and design phase of this project.

Requested Action: Award the engineering services contract to Geosyntec Consultants, Inc. for a not-to-exceed price of \$150,978 and authorize a budget of \$19,000 for WRC project administration of the Perry Park – Green Infrastructure Improvement Project.

8. Bishop Drain

AGENDA

DRAINAGE BOARD FOR THE BISHOP DRAIN

February 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of August 22, 2023
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$18,600
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**

August 22, 2023

A meeting of the Drainage Board for 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 22nd day of August 2023.

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 January 28, 2020, 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.

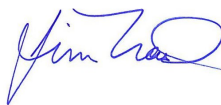
A memorandum from Joel Kohn, Environmental Planner, dated August 22, 2023, requesting the Board approve the cost for treatment of invasive species and authorize execution of the attached Oakland County Parks Agreement by the Chairperson was presented. It was moved by Markham, supported by Nash, to approve the cost for treatment of invasive species and authorize execution of the attached Oakland County Parks Agreement by the Chairperson as presented.

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.

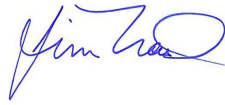


Jim Nash, Chairperson

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 Bishop Drain, Oakland County, Michigan, held on the 22nd day of August, 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: August 22, 2023

OAKLAND COUNTY WATER RESOURCES COMMISSIONER
MAINTENANCE ASSESSMENT RECOMMENDATION FOR THE
Bishop Drain

Assessment for estimated maintenance expenses for fiscal years: 2024 through 2026

Date last assessment approved:	01/28/20	
Last Assessment:		\$24,903
Current Available Cash*:		\$3,829

Expenditure History:	Fiscal Year	Amount
	2017	\$3,822
	2018	\$3,432
	2019	\$9,864
	2020	\$3,846
	2021	\$5,387
	2022	\$2,637
	2023	\$5,163

Estimated Expenditures:	Year	Amount
	2024	\$6,200
	2025	\$6,200
	2026	\$6,200
	Total	\$18,600

Recommended Assessment:

Total Anticipated Expenses 2024 - 2026	\$18,600
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TOTAL RECOMMENDED ASSESSMENT	\$18,600
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Prepared by: Andrea Craft Date: 2/16/2024
Andrea Craft - Engineering Systems Coordinator

Approved by: _____ Date: _____
Geoff Wilson, P.E. - Chief Engineer

Approved by: _____ Date: _____
Gary Nigro, P.E. - Manager

Note: Current Available Cash as of November 30, 2023, Fiscal Services Division Report.

*(Less \$3,200 previously collected for special maintenance expenses, but not yet spent)

**SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE
OF THE BISHOP DRAIN**

Public Corporation	*Percentage of Apportionment	Total Amount of Assessment	Payment #1	Payment #2	Payment #3
City of Rochester Hills	99.5600%	\$ 18,518.16	\$ 18,518.16	-	-
County of Oakland on account of drainage to county highways	0.4400%	\$ 81.84	\$ 81.84	-	-
<hr/>					
Total	100.000%	\$ 18,600.00	\$ 18,600.00	\$ -	\$ -

*Apportionment based on Final Order of Apportionment dated 3/23/1993.

Assessment Payment Due Date(s): Payment #1 03/31/2024

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Bishop Drain for the fiscal years 2024- 2026 in accordance with the direction of the Drainage Board and the statutory provisions applicable thereto.

Jim Nash
Chairman of the Drainage Board for the Bishop Drain

The foregoing Special Assessment Roll for the maintenance of the Bishop Drain was approved by the Drainage Board on _____ .

Jim Nash
Chairman of the Drainage Board for the Bishop Drain

9. Borden Drain

AGENDA

DRAINAGE BOARD FOR THE BORDEN DRAIN

February 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of January 24, 2023
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$9,980
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

January 24, 2023

A meeting of the Drainage Board for the Borden 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 January 2023.

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 January 25, 2022, 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.

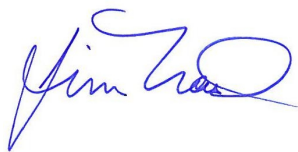
A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$6,083.65 (as attached) was presented. It was moved by Woodward, supported by Nash, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$6,083.65.

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 Borden Drain, Oakland County, Michigan, held on the 24th day of January 2023, 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 Borden Drain Drainage District.



Jim Nash, Chairperson

Dated: January 24, 2023

OAKLAND COUNTY WATER RESOURCES COMMISSIONER
MAINTENANCE ASSESSMENT RECOMMENDATION FOR THE
Borden Drain

Assessment for current fund deficit and estimated maintenance expenses for fiscal years: 2024 through 2026

Date last assessment approved:	11/16/21	
Last Assessment:		\$38,063
Current Available Cash:		(\$1,280)

Expenditure History:	Fiscal Year	Amount
	2017	\$1,574
	2018	\$4,697
	2019	\$2,220
	2020	\$1,671
	2021	\$40,624
	2022	\$1,888
	2023	\$7,805

Estimated Expenditures:	Year	Amount
	2024	\$2,900
	2025	\$2,900
	2026	\$2,900
	Total	\$8,700

Recommended Assessment:

Current Cash Deficit	\$1,280
Total Anticipated Expenses 2024 - 2026	\$8,700

TOTAL RECOMMENDED ASSESSMENT	\$9,980
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Prepared by: Andrea Craft Date: 2/16/2024
Andrea Craft - Engineering Systems Coordinator

Approved by: _____ Date: _____
Geoff Wilson, P.E. - Chief Engineer

Approved by: _____ Date: _____
Gary Nigro, P.E. - Manager

Note: Current Available Cash as of November 30, 2023, Fiscal Services Division Report.

**SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE
OF THE BORDEN DRAIN**

Public Corporation	*Percentage of Apportionment	Total Amount of Assessment	Payment #1	Payment #2	Payment #3
City of Rochester Hills	96.4900%	\$ 9,629.70	\$ 9,629.70	-	-
County of Oakland on account of drainage to county highways	1.4200%	\$ 141.72	\$ 141.72	-	-
State of Michigan	2.0900%	\$ 208.58	\$ 208.58	-	-
<hr/>					
Total	100.000%	\$ 9,980.00	\$ 9,980.00	\$ -	\$ -

*Apportionment based on Final Order of Apportionment dated 7/26/1988.

Assessment Payment Due Date(s): Payment #1 03/31/2024

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Borden Drain for the fiscal years 2024- 2026 in accordance with the direction of the Drainage Board and the statutory provisions applicable thereto.

Jim Nash
Chairman of the Drainage Board for the Borden Drain

The foregoing Special Assessment Roll for the maintenance of the Borden Drain was approved by the Drainage Board on _____.

Jim Nash
Chairman of the Drainage Board for the Borden Drain

10. Chester Drain

AGENDA

DRAINAGE BOARD FOR THE CHESTER DRAIN

February 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of January 28, 2020
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$13,800
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

January 28, 2020

A meeting of the Drainage Board for the Chester 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, 2020.

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

Helaine Zack, Chairperson of the Finance Committee, Oakland County Board of Commissioners

ABSENT: None

Minutes of the meeting held May 24, 2016 were presented for consideration. It was moved by Zack, 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 \$25,870 for the Chester Drain (as attached) were presented. It was moved by Zack, supported by Woodward, to adopt the Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$25,870 as presented.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.



Jim Nash, Chairperson

OAKLAND COUNTY WATER RESOURCES COMMISSIONER
MAINTENANCE ASSESSMENT RECOMMENDATION FOR THE
Chester Drain

Assessment for current fund deficit and estimated maintenance expenses for fiscal years: 2020 through 2022

Last Assessment: \$43,964
Date last assessment approved: 05/18/10

Current Available Cash: (\$1,570)


Expenditure History:	Fiscal Year	Amount
	2013	\$830
	2014	\$5,619
	2015	\$1,137
	2016	\$5,710
	2017	\$1,050
	2018	\$1,187
	2019	\$10,346
Estimated Expenditures:	Year	Amount
	2020	\$4,600
	2021	\$4,600
	2022	\$4,600
	Total	\$13,800

Recommended Assessment:

Current Cash Deficit	\$1,570
Total Anticipated Expenses 2020 - 2022	\$13,800
Proposed Special Maintenance Project Expense:	\$10,500

TOTAL RECOMMENDED ASSESSMENT **\$25,870**


Prepared by:


Michael R. McMahon, P.E. - Chief Engineer

Date:

1/28/20

Approved by:


Steven A. Korth, P.E. - Manager

Date:

1-28-20

Note: Current Available Cash as of November 30, 2019, Fiscal Services Division Report.

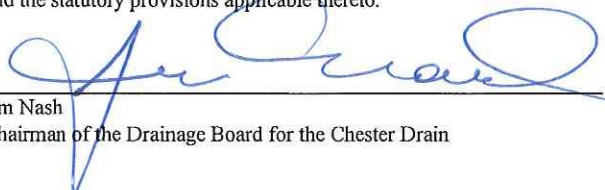
SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE OF THE CHESTER DRAIN

Public Corporation	*Percentage of Apportionment	Total Amount of Assessment	Payment #1	Payment #2	Payment #3
City of Rochester Hills	96.390%	\$ 24,936.09	\$ 24,936.09	-	-
State of Michigan	2.670%	\$ 690.73	\$ 690.73		
County of Oakland	0.940%	\$ 243.18	\$ 243.18	-	-
<hr/>					
Total	100.000%	\$ 25,870.00	\$ 25,870.00	\$ -	\$ -

*Apportionment based on Final Order of Apportionment dated 07/26/1994.

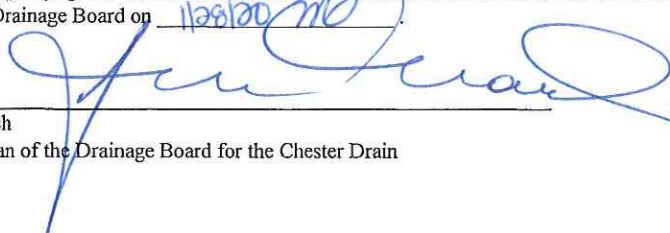
Assessment Payment Due Date(s): Payment #1 02/28/2020

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Chester Drain for the fiscal years 2020 - 2022 in accordance with the direction of the Drainage Board and the statutory provisions applicable thereto.



Jim Nash
Chairman of the Drainage Board for the Chester Drain

The foregoing Special Assessment Roll for the maintenance of the Chester Drain was approved by the Drainage Board on 1/28/20




Jim Nash
Chairman of the Drainage Board for the Chester Drain

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 of the Chester Drain, Oakland County, Michigan, held on the 28th day of January, 2020, 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 of the Chester Drain Drainage District.



Jim Nash, Chairperson

Dated: February 5, 2020

OAKLAND COUNTY WATER RESOURCES COMMISSIONER
MAINTENANCE ASSESSMENT RECOMMENDATION FOR THE
Chester Drain

Assessment for estimated maintenance expenses for fiscal years: 2024 through 2026

Date last assessment approved:	01/28/20	
Last Assessment:		\$25,870
Current Available Cash*:		\$4,052

Expenditure History:	Fiscal Year	Amount
	2017	\$1,049
	2018	\$1,187
	2019	\$10,345
	2020	\$3,712
	2021	\$2,229
	2022	\$2,396
	2023	\$4,392

Estimated Expenditures:	Year	Amount
	2024	\$4,600
	2025	\$4,600
	2026	\$4,600
	Total	\$13,800

Recommended Assessment:

Total Anticipated Expenses 2024 - 2026	\$13,800
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TOTAL RECOMMENDED ASSESSMENT	\$13,800
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Prepared by: Andrea Craft Date: 2/16/2024
Andrea Craft - Engineering Systems Coordinator

Approved by: _____ Date: _____
Geoff Wilson, P.E. - Chief Engineer

Approved by: _____ Date: _____
Gary Nigro, P.E. - Manager

Note: Current Available Cash as of November 30, 2023, Fiscal Services Division Report.
*(Less \$10,500 previously collected for special maintenance expenses, but not yet spent)

**SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE
OF THE CHESTER DRAIN**

Public Corporation	*Percentage of Apportionment	Total Amount of Assessment	Payment #1	Payment #2	Payment #3
City of Rochester Hills	96.3900%	\$ 13,301.82	\$ 13,301.82	-	-
County of Oakland on account of drainage to county highways	0.9400%	\$ 129.72	\$ 129.72	-	-
State of Michigan	2.6700%	\$ 368.46	\$ 368.46	-	-
<hr/>					
Total	100.000%	\$ 13,800.00	\$ 13,800.00	\$ -	\$ -

*Apportionment based on Final Order of Apportionment dated 7/26/1994.

Assessment Payment Due Date(s): Payment #1 03/31/2024

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Chester Drain for the fiscal years 2024- 2026 in accordance with the direction of the Drainage Board and the statutory provisions applicable thereto.

Jim Nash
Chairman of the Drainage Board for the Chester Drain

The foregoing Special Assessment Roll for the maintenance of the Chester Drain was approved by the Drainage Board on _____.

Jim Nash
Chairman of the Drainage Board for the Chester Drain

11. Crake Drain

AGENDA

DRAINAGE BOARD FOR THE CRAKE DRAIN

February 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of May 19, 2021
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$16,668
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

May 18, 2021

A meeting of the Drainage Board for the Crake Drain was held at 2:00 p.m. on the 18th day of May, 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.

David Woodward, Chairperson of the Oakland County Board of Commissioners, participating from Royal Oak, Michigan.

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

ABSENT: None.

Minutes of the meeting held April 28, 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

WOODWARD: AYE

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

A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$22,716 for the Crake Drain (as attached) were presented. It was moved by Markham, supported by Nash, to adopt the Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$22,716 as presented.

ROLL CALL VOTE:

NASH: AYE

MARKHAM: AYE

WOODWARD: AYE

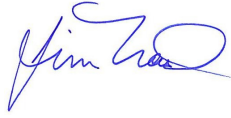
It was moved by Nash, supported by Markham, to certify attendance and authorize pro rata payment of \$25 per day to Ms. Markham and Mr. Woodward.

ROLL CALL VOTE:

NASH: AYE

MARKHAM: AYE
WOODWARD: AYE

There being no further business, the meeting was adjourned.

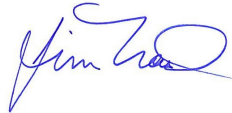
A handwritten signature in blue ink, appearing to read "Jim Nash", is positioned above a horizontal line.

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 Crake Drain, Oakland County, Michigan, held on the 18th day of May, 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 Crake Drain.

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

Jim Nash, Chairperson

Dated: May 24, 2021

OAKLAND COUNTY WATER RESOURCES COMMISSIONER
MAINTENANCE ASSESSMENT RECOMMENDATION FOR THE
Crake Drain

Assessment for estimated maintenance expenses for fiscal years: 2024 through 2026

Date last assessment approved:	05/18/21	
Last Assessment:		\$22,716
Current Available Cash:		\$10,932

Expenditure History:	Fiscal Year	Amount
	2017	\$5,881
	2018	\$5,653
	2019	\$3,103
	2020	\$15,733
	2021	\$3,663
	2022	\$3,550
	2023	\$3,705

Estimated Expenditures:	Year	Amount
	2024	\$6,900
	2025	\$6,900
	2026	\$6,900
	Total	\$20,700

Recommended Assessment:

Total Anticipated Expenses 2024 - 2026	\$20,700
Less Amount Exceeding Minimum Fund Balance*	(\$4,032)

TOTAL RECOMMENDED ASSESSMENT	\$16,668
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Prepared by: Andrea Craft Date: 2/16/2024
Andrea Craft - Engineering Systems Coordinator

Approved by: _____ Date: _____
Geoff Wilson, P.E. - Chief Engineer

Approved by: _____ Date: _____
Gary Nigro, P.E. - Manager

Note: Current Available Cash as of November 30, 2023, Fiscal Services Division Report.
*(Minimum fund balance is equal to one year of maintenance)

SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE OF THE CRAKE DRAIN

Public Corporation	*Percentage of Apportionment	Total Amount of Assessment	Payment #1	Payment #2	Payment #3
City of Rochester Hills	89.6500%	\$ 14,942.86	\$ 14,942.86	-	-
County of Oakland on account of drainage to county highways	6.0100%	\$ 1,001.75	\$ 1,001.75	-	-
State of Michigan	4.3400%	\$ 723.39	\$ 723.39	-	-
Total	100.000%	\$ 16,668.00	\$ 16,668.00	\$ -	\$ -

*Apportionment based on Final Order of Apportionment dated 5/14/1991.

Assessment Payment Due Date(s): Payment #1 03/31/2024

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Crake Drain for the fiscal years 2024- 2026 in accordance with the direction of the Drainage Board and the statutory provisions applicable thereto.

Jim Nash
Chairman of the Drainage Board for the Crake Drain

The foregoing Special Assessment Roll for the maintenance of the Crake Drain was approved by the Drainage Board on _____ .

Jim Nash
Chairman of the Drainage Board for the Crake Drain

12. Fessler Drain

AGENDA

DRAINAGE BOARD FOR THE FESSLER DRAIN

February 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of January 28, 2020
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$17,700
5. Other business
6. Approve pro rata payment to Drainage Board Members
7. Adjourn

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

January 28, 2020

A meeting of the Drainage Board for the Fessler 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, 2020.

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

Helaine Zack, Chairperson of the Finance Committee, Oakland County Board of Commissioners

ABSENT: None

Minutes of the meeting held July 24, 2018 were presented for consideration. It was moved by Zack, 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 \$29,434 for the Fessler Drain (as attached) were presented. It was moved by Zack, supported by Woodward, to adopt the Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$29,434 as presented.

ADOPTED: Yeas - 3
Nays - 0


A request for reimbursement of the Drain Revolving Fund in the amount of \$225.30 (as attached) was presented. It was moved by Zack, supported by Woodward, that the Drain Revolving Fund be reimbursed in the amount of \$225.30.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.



Jim Nash, Chairperson

**OAKLAND COUNTY WATER RESOURCES COMMISSIONER
MAINTENANCE ASSESSMENT RECOMMENDATION FOR THE
Fessler Drain**

Assessment for current fund deficit and estimated maintenance expenses for fiscal years: 2020 through 2022

Last Assessment: \$13,117
Date last assessment approved: 07/24/18

Current Available Cash: (\$7,434)

Expenditure History:	Fiscal Year	Amount
	2013	\$4,790
	2014	\$875
	2015	\$1,860
	2016	\$4,859
	2017	\$1,381
	2018	\$6,440
	2019	\$7,788

Estimated Expenditures:	Year	Amount
	2020	\$5,700
	2021	\$5,700
	2022	\$5,700
	Total	\$17,100

Recommended Assessment:

Current Cash Deficit	\$7,434
Total Anticipated Expenses 2020 - 2022	\$17,100
Proposed Special Maintenance Project Expense	\$4,900

TOTAL RECOMMENDED ASSESSMENT \$29,434

Prepared by: Michael R. McMahon
Michael R. McMahon, P.E. - Chief Engineer

Date: 1/28/20

Approved by: Steven A. Korth
Steven A. Korth, P.E. - Manager

Date: 1-28-20

Note: Current Available Cash as of November 30, 2019 Fiscal Services Division Report.

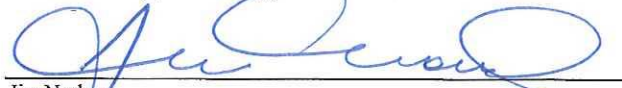
SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE OF THE FESSLER DRAIN

Public Corporation	*Percentage of Apportionment	Total Amount of Assessment	Payment #1	Payment #2	Payment #3
City of Rochester Hills	84.08%	\$ 24,748.11	\$ 24,748.11	-	-
County of Oakland	15.92%	\$ 4,685.89	\$ 4,685.89	-	-
Total	100.000%	\$ 29,434.00	\$ 29,434.00	\$ -	\$ -

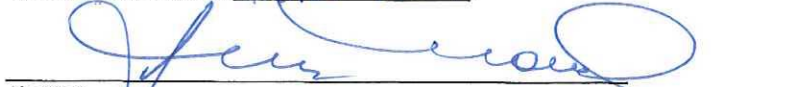
*Apportionment based on Final Order of Apportionment dated 01/28/1994.

Assessment Payment Due Date(s): Payment #1 02/28/2020

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Fessler Drain for the fiscal years 2020 - 2022 in accordance with the direction of the Drainage Board and the statutory provisions applicable thereto.


 Jim Nash
 Chairman of the Drainage Board for the Fessler Drain

The foregoing Special Assessment Roll for the maintenance of the Fessler Drain was approved by the Drainage Board on 1/26/20 ne.


 Jim Nash
 Chairman of the Drainage Board for the Fessler Drain

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

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

DATE: January 28, 2020

SUBJECT: Request for Reimbursement of Drain Revolving Fund

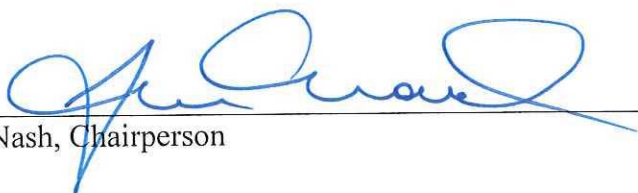
The following is a detail of charges paid from the Drain Revolving Fund
for the period ending January 17, 2020.

Date	Ref No.	Paid To	For	Amount
9/25/2019	V # 1388007	Oakland Heights Development	Invoice # 4243-0000014638 - Contracted Services	225.30
			Total	<u>\$ 225.30</u>

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 of the Fessler Drain, Oakland County, Michigan, held on the 28th day of January, 2020, 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 of the Fessler Drain Drainage District.



Jim Nash, Chairperson

Dated: February 5, 2020

OAKLAND COUNTY WATER RESOURCES COMMISSIONER
MAINTENANCE ASSESSMENT RECOMMENDATION FOR THE
Fessler Drain

Assessment for estimated maintenance expenses for fiscal years: 2024 through 2026

Date last assessment approved:	01/28/20	
Last Assessment:		\$29,434
Current Available Cash*:		\$2,602

Expenditure History:	Fiscal Year	Amount
	2017	\$1,380
	2018	\$6,440
	2019	\$7,788
	2020	\$7,552
	2021	\$3,125
	2022	\$1,505
	2023	\$7,833

Estimated Expenditures:	Year	Amount
	2024	\$5,900
	2025	\$5,900
	2026	\$5,900
	Total	\$17,700

Recommended Assessment:

Total Anticipated Expenses 2024 - 2026	\$17,700
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TOTAL RECOMMENDED ASSESSMENT	\$17,700
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Prepared by: Andrea Craft Date: 2/16/2024
Andrea Craft - Engineering Systems Coordinator

Approved by: _____ Date: _____
Geoff Wilson, P.E. - Chief Engineer

Approved by: _____ Date: _____
Gary Nigro, P.E. - Manager

Note: Current Available Cash as of November 30, 2023, Fiscal Services Division Report.
*(Less \$2,900 previously collected for special maintenance expenses, but not yet spent)

SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE OF THE FESSLER DRAIN

Public Corporation	*Percentage of Apportionment	Total Amount of Assessment	Payment #1	Payment #2	Payment #3
City of Rochester Hills	84.0800%	\$ 14,882.16	\$ 14,882.16	-	-
County of Oakland on account of drainage to county highways	15.9200%	\$ 2,817.84	\$ 2,817.84	-	-
<hr/>					
Total	100.000%	\$ 17,700.00	\$ 17,700.00	\$ -	\$ -

*Apportionment based on Final Order of Apportionment dated 1/28/1994.

Assessment Payment Due Date(s): Payment #1 03/31/2024

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Fessler Drain for the fiscal years 2024- 2026 in accordance with the direction of the Drainage Board and the statutory provisions applicable thereto.

Jim Nash
Chairman of the Drainage Board for the Fessler Drain

The foregoing Special Assessment Roll for the maintenance of the Fessler Drain was approved by the Drainage Board on _____ .

Jim Nash
Chairman of the Drainage Board for the Fessler Drain

13. Greenacre Drain

AGENDA

DRAINAGE BOARD FOR THE GREENACRE DRAIN

February 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of April 27, 2021
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$5,281
5. Other business
6. Approve pro rata payment to Drainage Board Members
7. Adjourn

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

April 27, 2021

A meeting of the Drainage Board for the Greenacre Drain was held at 2:00 p.m. on the 27th day of April, 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 August 28, 2018 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 Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$3,845 for the Greenacre Drain (as attached) were presented. It was moved by Markham, supported by Nash, to adopt the Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$3,845 as presented.

ROLL CALL VOTE:

NASH: AYE

MARKHAM: AYE

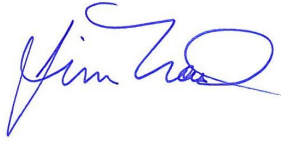
It was moved by Nash, supported by Markham, to certify attendance and authorize pro rata payment of \$25 per day to Ms. Markham.

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 Greenacre Drain, Oakland County, Michigan, held on the 27th day of April, 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 Greenacre Drain Drainage District.



Jim Nash, Chairperson

Dated: May 7, 2021

OAKLAND COUNTY WATER RESOURCES COMMISSIONER
MAINTENANCE ASSESSMENT RECOMMENDATION FOR THE
Greenacre Drain

Assessment for current fund deficit and estimated maintenance expenses for fiscal years: 2024 through 2026

Date last assessment approved:	04/27/21	
Last Assessment:		\$8,419
Current Available Cash:		(\$781)

Expenditure History:	Fiscal Year	Amount
	2017	\$767
	2018	\$1,076
	2019	\$1,344
	2020	\$1,576
	2021	\$1,244
	2022	\$1,231
	2023	\$2,471

Estimated Expenditures:	Year	Amount
	2024	\$1,500
	2025	\$1,500
	2026	\$1,500
	Total	\$4,500

Recommended Assessment:

Current Cash Deficit	\$781
Total Anticipated Expenses 2024 - 2026	\$4,500

TOTAL RECOMMENDED ASSESSMENT	\$5,281
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Prepared by: Andrea Craft Date: 2/16/2024
Andrea Craft - Engineering Systems Coordinator

Approved by: _____ Date: _____
Geoff Wilson, P.E. - Chief Engineer

Approved by: _____ Date: _____
Gary Nigro, P.E. - Manager

Note: Current Available Cash as of November 30, 2023, Fiscal Services Division Report.

**SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE
OF THE GREENACRE DRAIN**

Public Corporation	*Percentage of Apportionment	Total Amount of Assessment	Payment #1	Payment #2	Payment #3
City of Rochester Hills	90.6700%	\$ 4,788.28	\$ 4,788.28	-	-
County of Oakland on account of drainage to county highways	9.3300%	\$ 492.72	\$ 492.72	-	-
<hr/>					
Total	100.000%	\$ 5,281.00	\$ 5,281.00	\$ -	\$ -

*Apportionment based on Final Order of Apportionment dated 12/17/2002.

Assessment Payment Due Date(s): Payment #1 03/31/2024

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Greenacre Drain for the fiscal years 2024- 2026 in accordance with the direction of the Drainage Board and the statutory provisions applicable thereto.

Jim Nash
Chairman of the Drainage Board for the Greenacre Drain

The foregoing Special Assessment Roll for the maintenance of the Greenacre Drain was approved by the Drainage Board on _____ .

Jim Nash
Chairman of the Drainage Board for the Greenacre Drain

14. Hamilton Relief Drains

AGENDA

DRAINAGE BOARD FOR THE HAMILTON RELIEF DRAINS

February 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of December 14, 2021
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$41,948
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

December 14, 2021

A meeting of the Drainage Board for the Hamilton Relief Drains 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 14th day of December, 2021.

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 November 16, 2021, 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.

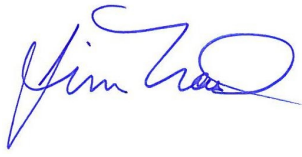
A Memorandum from Craig Tiell, Civil Engineer II, dated December 14, 2021, requesting the Board approve final reserve payment for the Bank Stabilization and Sanitary Sewer Replacement Project in the amount of \$6,156.01 was presented. It was moved by Markham, supported by Woodward to approve the final reserve payment for the Bank Stabilization and Sanitary Sewer Replacement Project in the amount of \$6,156.01 the 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.

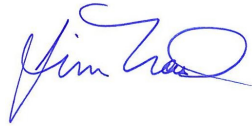
A handwritten signature in blue ink, appearing to read "Jim Nash", is positioned above a horizontal line.

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 Hamilton Relief Drains, Oakland County, Michigan, held on the 14th day of December 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 Hamilton Relief Drains Drainage District.



Jim Nash, Chairperson

Dated: December 14, 2021

OAKLAND COUNTY WATER RESOURCES COMMISSIONER
MAINTENANCE ASSESSMENT RECOMMENDATION FOR THE
Hamilton Relief Drain

Assessment for estimated maintenance expenses for fiscal years: 2024 through 2026

Date last assessment approved:	04/27/21	
Last Assessment:		\$42,074
Current Available Cash*:		\$10,952

Expenditure History:	Fiscal Year	Amount
	2017	\$34,032
	2018	(\$18,214)
	2019	\$10,723
	2020	\$6,588
	2021	\$8,172
	2022	\$3,542
	2023	\$5,087

Estimated Expenditures:	Year	Amount
	2024	\$7,600
	2025	\$7,600
	2026	\$7,600
	Total	\$22,800

Recommended Assessment:

Total Anticipated Expenses 2024 - 2026	\$22,800
Proposed Special Maintenance Expenses	\$22,500
Less Amount Exceeding Minimum Fund Balance**	(\$3,352)
TOTAL RECOMMENDED ASSESSMENT	\$41,948

Prepared by: Andrea Craft Date: 2/22/2024
Andrea Craft - Engineering Systems Coordinator

Approved by: _____ Date: _____
Geoff Wilson, P.E. - Chief Engineer

Approved by: _____ Date: _____
Gary Nigro, P.E. - Manager

Note: Current Available Cash as of November 30, 2023, Fiscal Services Division Report.

*(Less \$1,400 previously collected for special maintenance expenses, but not yet spent)

**(Minimum fund balance is equal to one year of maintenance)

**SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE
OF THE HAMILTON RELIEF DRAIN**

Public Corporation	*Percentage of Apportionment	Total Amount of Assessment	Payment #1	Payment #2	Payment #3
City of Rochester Hills	92.6300%	\$ 38,856.43	\$ 38,856.43	-	-
County of Oakland on account of drainage to county highways	7.3700%	\$ 3,091.57	\$ 3,091.57	-	-
<hr/>					
Total	100.000%	\$ 41,948.00	\$ 41,948.00	\$ -	\$ -

*Apportionment based on Final Order of Apportionment dated 1/28/1994.

Assessment Payment Due Date(s): Payment #1 03/31/2024

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Hamilton Relief Drain for the fiscal years 2024- 2026 in accordance with the direction of the Drainage Board and the statutory provisions applicable thereto.

Jim Nash
Chairman of the Drainage Board for the Hamilton Relief Drain

The foregoing Special Assessment Roll for the maintenance of the Hamilton Relief Drain was approved by the Drainage Board on _____ .

Jim Nash
Chairman of the Drainage Board for the Hamilton Relief Drain