

**NOTICE OF MEETINGS**  
**DRAINAGE BOARD FOR THE FOLLOWING DRAINS:**

1. Bloomfield Village CSO Drain
2. George W. Kuhn Drain
3. Clinton River Water Resource Recovery Facility
4. Evergreen-Farmington Sanitary Sewer Drain
5. Edwards Relief Drain
6. Jamian Drain
7. Joachim Relief Drain
8. Pontiac Clinton River No. 1 Drain
9. Gosling Drain
10. Augusta 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, MAY 21, 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](mailto:LAJDZIAKS@OAKGOV.COM). PERSONS WITH DISABILITIES WHO NEED ASSISTANCE PARTICIPATING IN THE MEETING SHOULD CONTACT STEPHANIE LAJDZIAK AT [LAJDZIAKS@OAKGOV.COM](mailto:LAJDZIAKS@OAKGOV.COM).

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

Posted by: May 16, 2024

# Microsoft Teams meeting

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**Chapter 20 Drainage Board Meeting**  
Regular Meeting – Tuesday, May 21, 2024

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**1. Bloomfield Village CSO**

## **AGENDA**

### **DRAINAGE BOARD FOR THE BLOOMFIELD VILLAGE CSO DRAIN**

May 21, 2024

1. Call meeting to order
2. Approve minutes of meeting of April 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 \$34,387.39
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**

April 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 23<sup>rd</sup> day of April 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

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

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

ADOPTED: Yeas - 2  
Nays - 0

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

A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$2,079,140 for the Bloomfield Village CSO 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 \$2,079,140 as presented.

ADOPTED: Yeas - 2  
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 Nash, to approve the reimbursement of the Evergreen Farmington Fund in the amount of \$140,973.

ADOPTED: Yeas - 2  
Nays - 0

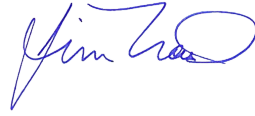
A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$15,966.74 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$15,966.74.

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.



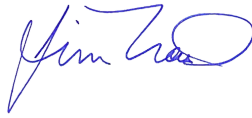
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Jim Nash, Chairperson

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 23<sup>rd</sup> day of April 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.



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Jim Nash, Chairperson

Dated: April 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

 for Shawn Phelps

DATE: May 24, 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 May 17, 2024

G/L Date	Ref No.	Paid To	For	Amount
4/30/2024	PC00032975	Grainger	Pcard - Invoice # 880356738 - Materials and Supplies - Proj 1-3548	\$ 1,370.42
	TBP	Marine Pollution Control	Invoice # 41224 - Contracted Services - Proj 1-3548	\$ 7,333.77
4/29/2024	V # SINV00257520	Kentain Products Limited	Invoice # 7153 - Contracted Services - Proj 1-3548	24,500.00
			<b>Total Project 1-3548</b>	<b>\$ 33,204.19</b>
4/23/2024	V # SINV00256349	Hubbell Roth & Clark Inc	Invoice # 0216145 - Contracted Services - 3/30/24 - Proj 1-7088	\$ 1,183.20
			<b>Total Project 1-7088</b>	<b>\$ 1,183.20</b>
			<b>Total</b>	<b>\$ 34,387.39</b>



**Chapter 20 Drainage Board Meeting**  
Regular Meeting – Tuesday, May 21, 2024

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**2. George W. Kuhn Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE GEORGE W. KUHN DRAIN**

May 21, 2024

1. Call meeting to order
2. Approve minutes of meeting of April 23, 2024
3. Public Comments
4. Present Memorandum from Jen Cook, P.E., Civil Engineer III, dated May 21, 2024, requesting the Board award as-needed plumbing contracts for the HomeGuard Program to Rolls Mechanical, Inc, and B&T General Contracting and Construction Management, Inc.
5. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$190,970.75
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

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

April 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 23<sup>rd</sup> day of April 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

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

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

ADOPTED: Yeas - 2  
Nays - 0

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

A memorandum from Gary Nigro, P.E., Manager, dated April 23, 2024, requesting the Board approve the rates and charges for the rate year beginning July 1, 2024 was presented. It was moved by Markham, supported by Nash, to approve the rates and charges for the rate year beginning July 1, 2024 as presented.

ADOPTED: Yeas - 2  
Nays - 0

A memorandum from Lynne Seymour, P.E., Chief Engineer, dated April 23, 2024, requesting the Board authorize the hiring of Drummond Carpenter, PLLC to prepare the Environmental Protection Agency Community Change grant application for a not-to-exceed price of \$50,456 was presented. It was moved by Markham, supported by Nash, to authorize the hiring of Drummond Carpenter, PLLC to prepare the Environmental Protection Agency Community Change grant application for a not-to-exceed price of \$50,456 as presented.

ADOPTED: Yeas - 2  
Nays - 0

A memorandum from Stephanie Petriello, Environmental Planner, requesting the Board award the construction contract with Michigan Lawn Maintenance, Inc. doing business as Sherman Nursery Farms for a not-to-exceed price of \$123,107.62 was presented. It was moved by Markham, supported by Nash, to award the construction contract with Michigan

Lawn Maintenance, Inc. doing business as Sherman Nursery Farms for a not-to-exceed price of \$123,107.62 as presented.

ADOPTED: Yeas - 2  
Nays - 0

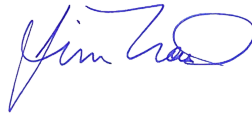
A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$205,063.16 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$205,063.16.

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.



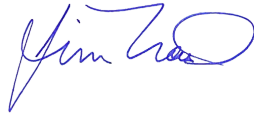
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Jim Nash, Chairperson

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 23<sup>rd</sup> day of April 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.



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Jim Nash, Chairperson

Dated: April 23, 2024

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

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

**FROM:** Jen Cook PE, Civil Engineer III

**SUBJECT:** HomeGuard Program

**DATE:** May 21, 2024

In November of 2023, the George W. Kuhn Drainage Board authorized the use of up to \$1 million in district reserve funds to facilitate a pilot program to mitigate basement flooding by installing backwater valves in private homes. An additional \$200,000 has also been authorized through a one-time appropriation from Oakland County's portion of the American Recovery Plan Act State and Local Fiscal Recovery Funds.

The County Water Resources Commissioner's office (WRC), in coordination with consultant Hubbell, Roth & Clark, Inc., has subsequently developed a framework for this pilot project, naming it HomeGuard. Contractor proposals were solicited with the intent to award up to three contractors to complete the work, which is anticipated to benefit up to 100 homes. Proposals were received from Rolls Oakland Mechanical, Inc. and B & T General Contracting and Construction Management, Inc. Both contractors were deemed to be very qualified to complete the work. Because the exact quantity and arrangement of the work in each home cannot be determined until after inspection, the contracts will include agreed unit prices for the key components of the work. Additional work in any given home will be approved on a case-by-case basis and contractors will be paid on a time and materials basis. The proposed unit prices are included in Table 1.

Upon Board approval, the WRC will execute contracts with both contractors and expect to commence work this summer. The project schedule and overall duration will depend heavily on the level of interest from homeowners. However, initial program management tools and public outreach and marketing has already been underway. It is anticipated that the authorized funding will be expended within 12 months or less of authorization to proceed.

**Requested Action: Award As-Needed Plumbing Contracts for the HomeGuard Program to Rolls Mechanical, Inc. and B & T General Contracting and Construction Management, Inc.**

**Table 1 – HomeGuard Negotiated Unit Prices**

<b>Item No</b>	<b>Item Description</b>	<b>Unit</b>	<b>Negotiated UP</b>
1	Home Inspection	EA	\$ 225.00
2	Televise Sewer Lead	EA	\$ 350.00
3	Mobilize/Site Preparation	EA	\$ 450.00
4	Automatic Submersible Sump, 3/10 HP	EA	\$ 340.00
5	Automatic Submersible Sump, 1/2 HP	EA	\$ 460.00
6	Sump Pump Installation Including 30 LF Discharge Piping	EA	\$ 5,600.00
7	Additional Sump Pump Discharge Piping	LF	\$ 25.00
8	Backwater Valve Installation	EA	\$ 1,500.00
9	Project Site Clean Up and Restoration	EA	\$ 700.00

**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

*HP for Shawn Phelps*

**DATE:** May 21, 2024

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

<u>Payable To</u>	<u>Ref No.</u>	<u>For</u>	<u>Amount</u>
Dickinson Wright PLLC	TBP	Invoice # 1918923 - Legal Services - 04/30/24	\$ 17,512.55
Dickinson Wright PLLC	TBP	Invoice # 1918928 - Legal Services - 04/30/24	5,468.20
Dickinson Wright PLLC	TBP	Invoice # 1918929 - Legal Services - 04/30/24	86,871.31
Dickinson Wright PLLC	TBP	Invoice # 1918932 - Legal Services - 04/30/24	8,867.60
Dickinson Wright PLLC	TBP	Invoice # 1918933 - Legal Services - 04/30/24	23,694.25
Dickinson Wright PLLC	TBP	Invoice # 1918935 - Legal Services - 04/30/24	3.86
		<b>Total</b>	<b>\$ 142,417.77</b>
Hubbell, Roth, & Clark Inc	V # SINV00256831	Invoice # 0216152 - Contracted Service - Proj 1-7409	\$ 3,463.61
		<b>Project 1-7409</b>	<b>\$ 3,463.61</b>
Kentain Products Limited	V # SINV00257520	Invoice # 7153 - Contracted Services - Proj 1-7540	\$ 28,000.00
Marine Pollution Control	TBP	Invoice # 41223 - Contracted Services - Proj 1-7540	4,621.49
		<b>Project 1-7540</b>	<b>\$ 32,621.49</b>
Hubbell, Roth, & Clark Inc	V # SINV00256379	Invoice # 0216144 - Contracted Services - 03/30/24 - Proj 1-7334	\$ 12,467.88
		<b>Project 1-7334</b>	<b>\$ 12,467.88</b>
		<b>Total</b>	<b>\$ 190,970.75</b>



**3. Clinton River Water  
Resource Recovery Facility**

## **AGENDA**

### **DRAINAGE BOARD FOR THE CLINTON RIVER WATER RESOURCE RECOVERY FACILITY**

May 21, 2024

1. Call meeting to order
2. Approve minutes of meeting of April 23, 2024
3. Public Comments
4. Present Resolution approving Special Assessment Roll and Authorizing the Issuance of Clinton River Water Resource Recovery Facility Drain Bonds, Series 2024
5. Present Change Order No. 1 for Clark Construction Company for Construction of the Optimization Phase I Project for a net increase in the amount of \$93,248.00
6. 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 \$773,638.16
7. 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 \$24,984.91
8. Other business
9. Approve pro rata payment to Drainage Board members
10. Adjourn

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

April 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 23<sup>rd</sup> day of April 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

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

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

ADOPTED: Yeas - 2  
Nays - 0

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

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund from the Maintenance Fund in the amount of \$748,688.51 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund from the Maintenance Fund in the amount of \$748,688.51.

ADOPTED: Yeas - 2  
Nays - 0

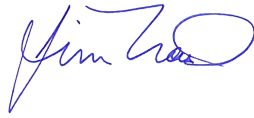
A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund from the Construction Fund in the amount of \$50,994.96 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund from the Construction Fund in the amount of \$50,994.96.

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.

A handwritten signature in blue ink, appearing to read "Jim Nash". The signature is fluid and cursive, with a large loop at the end.

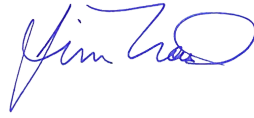
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Jim Nash, Chairperson

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 23<sup>rd</sup> day of April 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.



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Jim Nash, Chairperson

Dated: April 23, 2024

At a meeting of the Drainage Board for the Clinton River Water Resource Recovery Facility Drain Optimization Project (the “Drainage Board”) held on May 21, 2024.

PRESENT: \_\_\_\_\_  
\_\_\_\_\_

ABSENT: \_\_\_\_\_

The following resolution was offered by \_\_\_\_\_ and seconded by \_\_\_\_\_:

RESOLUTION APPROVING SPECIAL ASSESSMENT ROLL AND AUTHORIZING THE  
ISSUANCE OF CLINTON RIVER WATER RESOURCE RECOVERY FACILITY  
DRAIN BONDS, SERIES 2024

WHEREAS, pursuant to petitions filed with the Oakland County Water Resources Commissioner by the City of Auburn Hills and the Charter Township of Orion, proceedings have been taken under the provisions of Chapter 20 of Act 40, Public Acts of Michigan, 1956, as amended (the “Drain Code”), for the location, establishment and construction of the Clinton River Water Resource Recovery Facility Drain Optimization Project (the “Petitioned Project”), consisting of improving the Clinton River Water Resource Recovery Facility, an intra-county drain for the treatment of sanitary sewage located in the City of Pontiac, that serves property located within the City of Auburn Hills, the Charter Township of Independence, the City of Lake Angelus, the Village of Lake Orion, the Charter Township of Oakland, the Charter Township of Orion, the Charter Township of Oxford, the Village of Oxford, the City of Pontiac, the City of Rochester, the City of Rochester Hills, the Charter Township of Waterford and the Charter Township of West Bloomfield in the County of Oakland, Michigan; and

WHEREAS, the Drainage Board, on May 23, 2023 approved the Final Order of Determination for the Petitioned Project, and on June 27, 2023 approved a Final Order of

Apportionment of the cost of the Petitioned Project to be borne by the several public corporations, as follows:

City of Auburn Hills	5.257%
Charter Township of Independence	4.090%
City of Lake Angelus	0.000%
Village of Lake Orion	0.570%
Charter Township of Oakland	1.315%
Charter Township of Orion	4.487%
Charter Township of Oxford	1.841%
Village of Oxford	0.572%
City of Pontiac	54.800%
City of Rochester	2.486%
City of Rochester Hills	10.242%
Charter Township of Waterford	11.198%
Charter Township of West Bloomfield	<u>3.142%</u>
	100.00%

; and

WHEREAS, on September 20, 2023, the Drainage Board issued its Clinton River Water Resource Recovery Facility Drain Bond, Series 2023 in the principal amount of \$44,795,000 (the “2023 Bonds”) for the purpose of financing part of the Petitioned Project; and

WHEREAS, the 2023 Bonds were sold to the Michigan Finance Authority (the “Authority”) in order to receive a subsidized interest rate through participation in the State Water Pollution Control Revolving Fund Program (the “SRF Program”); and

WHEREAS, the Drainage Board has determined that it is necessary and desirable to proceed with additional portions of the Petitioned Project (said additional portions referred to herein as the “Phase II Project”) and to finance the Phase II Project as provided herein; and

WHEREAS, the Chairperson of this Drainage Board (the “Chairperson”) presented an estimate of the aggregate cost of the Phase II Project in the amount of \$65,200,000;

WHEREAS, the Clinton River Water Resource Recovery Facility Drainage District (the “Drainage District”) proposes to sell bonds in one or more series to defray the cost of all or part of the Phase II Project; and

WHEREAS, the Chairperson has prepared in accordance with the provisions of Chapter 20 of the Drain Code and presented to the Drainage Board a special assessment roll, designated

herein as Special Assessment Roll No. 2-A for the Clinton River Water Resource Recovery Facility Drain Optimization Project, assessing a portion of the cost of the Phase II Project in the amount of \$65,200,000 against the foregoing public corporations in accordance with the Final Order of Apportionment, and may prepare a subsequent special assessment roll assessing the remaining cost of the Phase II Project against the foregoing public corporations in accordance with the Final Order of Apportionment once actual costs of the Phase II Project are determined, in accordance with and subject to the parameters provided by this resolution; and

WHEREAS, said bonds shall be sold in a negotiated sale to the Authority in order to enable the Authority to provide assistance with respect to the Phase II Project from the SRF Program.

BE IT RESOLVED BY THE DRAINAGE BOARD FOR THE CLINTON RIVER WATER RESOURCE RECOVERY FACILITY DRAIN OPTIMIZATION PROJECT, as follows:

1. APPROVAL OF SPECIAL ASSESSMENT ROLL. Special Assessment Roll No. 2-A for the Clinton River Water Resource Recovery Facility Drain Optimization Project (“Roll No. 2-A”), upon which special assessment roll are spread assessments against the City of Auburn Hills, the Charter Township of Independence, the City of Lake Angelus, the Village of Lake Orion, the Charter Township of Oakland, the Charter Township of Orion, the Charter Township of Oxford, the Village of Oxford, the City of Pontiac, the City of Rochester, the City of Rochester Hills, the Charter Township of Waterford and the Charter Township of West Bloomfield (the “Communities”), aggregating the principal sum of \$65,200,000, is approved and ordered filed with the Chairperson. The aggregate amount assessed and the amount assessed against each public corporation shall be adjusted as provided in Section 3, and an additional roll designated Special Assessment Roll No. 2-B for the Clinton River Water Resource Recovery Facility Drain Optimization Project (“Roll No. 2-B”; and Roll No. 2-A and Roll No. 2-B each referred to herein as a “Roll” and collectively as the “Rolls”) may be prepared, if necessary, at the time the Phase II Project or any portion of the Phase II Project financed with a series of bonds sold to the Authority through the SRF Program is completed and administratively closed out by the Authority and the



Michigan Department of Environment, Great Lakes, and Energy (“EGLE”); provided, however, that any additional roll prepared pursuant to this subsection shall spread assessments against all of the Communities as provided herein.

2. SUPPLEMENTAL ORDER. The amounts assessed against each public corporation pursuant to Roll No. 2-A and, if applicable, Roll No. 2-B, that are not prepaid shall be divided into annual installments by the Chairperson on behalf of the Drainage Board at the time the bonds issued pursuant to this resolution are sold in an order (such order referred to herein, as the “Supplemental Order”) and the aggregate annual installments shall be in amounts not exceeding the annual principal maturities of the bonds issued by the Drainage District. Any Supplemental Order prepared pursuant to this resolution shall spread assessments against all of the Communities as provided herein.

3. STATEMENT OF APPROVAL OF SPECIAL ASSESSMENT ROLL. The Chairperson shall execute the statement affixed to each Roll setting forth the date of such approval.

4. INSTALLMENTS AND INTEREST. The annual installments of the assessments against the public corporations, as shall be set forth in a Supplemental Order of the Chairperson, unless prepaid prior thereto as provided herein, shall become due each year on the date indicated in the Supplemental Order, and the amounts of the assessments from time to time unpaid shall bear interest, from the date set forth in the Supplemental Order until paid, which is sufficient to pay the interest on the bonds to be issued by the Drainage District which interest shall be payable annually as set forth in the Supplemental Order. Prepayments of assessments against public corporations corresponding to Roll No. 2-A, as they may be adjusted pursuant to a Supplemental Order, shall be prepaid on or before August 1, 2024.

5. PREPAYMENT OF INSTALLMENTS. Any of the public corporations that have not prepaid its assessment as set forth on Roll No. 2-A in full on or before August 1, 2024, as provided in Paragraph 4 herein, may pay in advance of maturity all or any part of an annual installment only at such time, in such manner and in such amount as would allow the Drainage

District to redeem a like amount of Bonds together with the interest thereon paid by the public corporation to the date of redemption.

6. CERTIFICATION TO ASSESSED PUBLIC CORPORATIONS. The Chairperson of the Drainage Board, within 10 days of the date hereof, shall certify to each public corporation assessed the amount of the total assessment against it and within 10 days of the date of a Supplemental Order shall certify to each public corporation the amount of the adjusted assessment, if any, the amounts of the various installments, the due date of each installment and the interest upon the assessment from time to time unpaid. Also, each year as provided by law, the Chairperson shall notify each public corporation assessed of the amount of the installment and interest next becoming due.

7. DETERMINATION OF NECESSITY. The Phase II Project is necessary for the public health and in order to defray the cost thereof it is necessary to issue bonds as hereinafter provided.

8. AUTHORIZATION OF BONDS – PURPOSE. Bonds of the Drainage District aggregating the principal sum of not to exceed Sixty-Five Million Two Hundred Thousand Dollars (\$65,200,000) (the “Bonds”), as determined by the Chairperson at the time of sale, shall be issued and sold in one or more series pursuant to the provisions of the Drain Code and other applicable statutory provisions, for the purpose of defraying the cost of acquiring and constructing all or part of the Phase II Project.

9. BOND DETAILS. The Bonds shall be designated “Clinton River Water Resource Recovery Facility Drain Bonds, Series 2024;” with such other designations, including, without limitation, designations for multiple series, as determined by the Chairperson; *provided that*, if any series of the Bonds are not issued in calendar year 2024, the Chairperson may re-designate such series of Bonds to reflect the year in which such series of Bonds are issued; shall be dated as of such date as shall be approved by the Chairperson at the time of sale; shall be numbered from 1 upwards; and shall be fully registered.

The Bonds shall be sold to the Authority through the SRF Program in the form of a single bond in the denomination of the aggregate principal amount of the Bonds, with an exhibit attached thereto which identifies the annual maturities for the Bonds, and the references herein to the “Bonds” shall mean that single bond registered in the name of the Authority; shall bear interest at a rate not to exceed 2.75% per annum, pursuant to the terms of the SRF Program and as approved by the Chairperson at the time of sale, from the date of delivery of the various principal installments as hereinafter described, payable on such dates as shall be determined by the Chairperson at the time of sale, and shall mature on such dates and in such years as shall be determined by the Chairperson at the time of sale. The Bonds are expected to be delivered to the Authority as the initial purchaser thereof in installments equal to the amounts advanced from time to time by the Authority to the Drainage District pursuant to the Purchase Contract and the Supplemental Agreement (each as hereinafter defined) corresponding to the Bonds.

10. PAYMENT OF PRINCIPAL AND INTEREST. The principal of and interest on the Bonds shall be payable in lawful money of the United States. So long as the Bonds are registered in the name of the Authority, the Bonds shall be payable as to principal, redemption premium, if any, and interest at such bank or trust company or other place as shall be designated in writing to the Drainage District by the Authority (the “Authority’s Depository”). So long as the Authority is the owner of the Bonds, the Drainage District agrees that it will deposit with the Authority’s Depository payments of the principal of, premium, if any, and interest on the Bonds in immediately available funds at least five business days prior to the date on which any such payment is due, whether by maturity, redemption or otherwise. If the Bonds are not registered in the name of the Authority, the principal of and premium, if any, on the Bonds shall be payable upon surrender thereof at the office of the bond registrar and paying agent and the interest shall be payable by check, draft, electronic transfer or other means determined by the bond registrar and paying agent to the registered owner of the Bonds at the address appearing on the registration books of the Drainage District kept by the bond registrar and paying agent as of the 15th day of the month preceding the month in which an interest payment is due.

11. PRIOR REDEMPTION. The Bonds shall be subject to redemption prior to maturity upon the terms and conditions set forth in the forms of bonds contained in Section 15 hereof.

12. BOND REGISTRAR AND PAYING AGENT. The Chairperson shall designate, and may enter into an agreement with, a bond registrar and paying agent for the Bonds which shall be an officer of the Drainage District or a bank or trust company located in the State of Michigan which is qualified to act in such capacity under the laws of the United States of America or the State of Michigan. The Chairperson from time to time as required may designate a similarly qualified successor bond registrar and paying agent.

13. EXECUTION, AUTHENTICATION AND DELIVERY OF BONDS. The Bonds shall be executed in the name of the Drainage District by the manual or facsimile signatures of the Chairperson and at least one other member of the Drainage Board and authenticated by the manual signature of an authorized representative of the bond registrar and paying agent. After the Bonds have been executed and authenticated for delivery to the original purchaser thereof, they shall be delivered by the Chairperson to the purchaser upon receipt of the purchase price. Additional Bonds bearing the facsimile signatures of the Chairperson and at least one other member of the Drainage Board may be delivered to the bond registrar and paying agent for authentication and delivery in connection with the exchange or transfer of Bonds. The bond registrar and paying agent shall indicate on each Bond the date of its authentication.

14. EXCHANGE AND TRANSFER OF BONDS. Any Bond, upon surrender thereof to the bond registrar and paying agent with a written instrument of transfer satisfactory to the bond registrar and paying agent duly executed by the registered owner or his duly authorized attorney, at the option of the registered owner thereof, may be exchanged for Bonds of any other authorized denominations of the same aggregate principal amount and maturity date and bearing the same rate of interest as the surrendered Bond.

Each Bond shall be transferable only upon the books of the Drainage District, which shall be kept for that purpose by the bond registrar and paying agent, upon surrender of such Bond

together with a written instrument of transfer satisfactory to the bond registrar and paying agent duly executed by the registered owner or his duly authorized attorney.

Upon the exchange or transfer of any Bond, the bond registrar and paying agent on behalf of the Drainage District shall cancel the surrendered Bond and shall authenticate and deliver to the transferee a new Bond or Bonds of any authorized denomination of the same aggregate principal amount and maturity date and bearing the same rate of interest as the surrendered Bond. If, at the time the bond registrar and paying agent authenticates and delivers a new Bond pursuant to this section, payment of interest on the Bonds is in default, the bond registrar and paying agent shall endorse upon the new Bond the following: "Payment of interest on this bond is in default. The last date to which interest has been paid is \_\_\_\_\_, \_\_\_\_."

The Drainage District and the bond registrar and paying agent may deem and treat the person in whose name any Bond shall be registered upon the books of the Drainage District as the absolute owner of such Bond, whether such Bond shall be overdue or not, for the purpose of receiving payment of the principal of and interest on such Bond and for all other purposes, and all payments made to any such registered owner, or upon his order, in accordance with the provisions of this resolution shall be valid and effectual to satisfy and discharge the liability upon such Bond to the extent of the sum or sums so paid, and neither the Drainage District nor the bond registrar and paying agent shall be affected by any notice to the contrary. The Drainage District agrees to indemnify and save the bond registrar and paying agent harmless from and against any and all loss, cost, charge, expense, judgment or liability incurred by it, acting in good faith and without negligence hereunder, in so treating such registered owner.

For every exchange or transfer of Bonds, the Drainage District or the bond registrar and paying agent may make a charge sufficient to reimburse it for any tax, fee or other governmental charge required to be paid with respect to such exchange or transfer, which sum or sums shall be paid by the person requesting such exchange or transfer as a condition precedent to the exercise of the privilege of making such exchange or transfer.

15. FORM OF BONDS. The Bonds shall be in substantially the following form, with such adjustments as may be necessary, as shall be determined by the Chairperson:

**UNITED STATES OF AMERICA  
STATE OF MICHIGAN  
COUNTY OF OAKLAND  
CLINTON RIVER WATER RESOURCE RECOVERY FACILITY  
DRAINAGE DISTRICT  
CLINTON RIVER WATER RESOURCE RECOVERY FACILITY DRAIN BOND,  
SERIES 2024**

INTEREST RATE

MATURITY DATE

DATE OF ORIGINAL ISSUE

Registered Owner: Michigan Finance Authority

Principal Amount:

The Clinton River Water Resource Recovery Facility Drainage District (the “Drainage District”), County of Oakland, State of Michigan, acknowledges itself indebted to and for value received hereby promises to pay to the Registered Owner identified above, or registered assigns, the Principal Amount set forth above or so much thereof as shall have been advanced to the Drainage District pursuant to a Purchase Contract between the Drainage District and the Michigan Finance Authority (the “Authority”) and a Supplemental Agreement by and among the Drainage District, the Authority and the State of Michigan acting through the Department of Environment, Great Lakes, and Energy on the maturity dates and in the amounts set forth on Exhibit A attached hereto unless redeemed prior thereto as hereinafter provided, the final payment being made upon presentation and surrender of this bond at \_\_\_\_\_, in \_\_\_\_\_, Michigan, the bond registrar and paying agent, or at such successor bond registrar and paying agent as may be designated pursuant to the Resolution identified below; and to pay to the Registered Owner, as shown on the registration books at the close of business on the 15th day of the calendar month preceding the month in which an interest payment is due, by check, draft, electronic transfer or other means determined by the bond registrar and paying agent, interest at the rate per annum specified above on such Principal Amount, to the extent advanced to the Drainage District pursuant to the Purchase Contract and the Supplemental Agreement until the Drainage District’s obligation with respect to the payment of such Principal Amount is discharged. Interest is payable on the first days of \_\_\_\_\_ and \_\_\_\_\_ in each year, commencing on \_\_\_\_\_ 1, 20\_\_ . Principal and interest are payable in lawful money of the United States of America.

In the event of a default in the payment of principal or interest hereon when due, whether at maturity, by redemption or otherwise, the amount of such default shall bear interest (the “additional interest”) at a rate equal to the rate of interest that is two percent above the Authority’s cost of providing funds (as determined by the Authority) to make payment on the bonds of the

Authority issued to provide funds to purchase this bond but in no event in excess of the maximum rate of interest permitted by law. The additional interest shall continue to accrue until the Authority has been fully reimbursed for all costs incurred by the Authority (as determined by the Authority) as a consequence of the Drainage District's default. Such additional interest shall be payable on the interest payment date following demand of the Authority. In the event that (for reasons other than the default in the payment of any municipal obligation purchased by the Authority) the investment of amounts in the reserve account established by the Authority for the bonds of the Authority issued to provide funds to purchase this bond fails to provide sufficient available funds (together with any other funds that may be made available for such purpose) to pay the interest on outstanding bonds of the Authority issued to fund such account, the Drainage District shall and hereby agrees to pay on demand only the Drainage District's pro rata share (as determined by the Authority) of such deficiency as additional interest on this bond.

During the time funds are being drawn down by the Drainage District under this bond, the Authority will periodically provide the Drainage District a statement showing the amount of principal that has been advanced and the date of each advance, which statement shall constitute prima facie evidence of the reported information; provided that no failure on the part of the Authority to provide such a statement or to reflect a disbursement or the correct amount of a disbursement shall relieve the Drainage District of its obligation to repay the outstanding principal amount actually advanced, all accrued interest thereon, and any other amount payable with respect thereto in accordance with the terms of this bond.

This bond is one of a series of bonds aggregating the principal sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_) issued by the Drainage District under and pursuant to and in full conformity with the Constitution and Statutes of Michigan (especially Act 40, Public Acts of 1956, as amended) and a bond authorizing resolution adopted by the Drainage Board for the Drainage District (the "Resolution") for the purpose of defraying part of the cost of locating, establishing and constructing the Clinton River Water Resource Recovery Facility Drain Optimization Project. The bonds of this series are issued in anticipation of the collection of an equal amount of installments of a special assessment assessed against the City of Auburn Hills, the Charter Township of Independence, the City of Lake Angelus, the Village of Lake Orion, the Charter Township of Oakland, the Charter Township of Orion, the Charter Township of Oxford, the Village of Oxford, the City of Pontiac, the City of Rochester, the City of Rochester Hills, the Charter Township of Waterford and the Charter Township of West Bloomfield on a special assessment roll for the Clinton River Water Resource Recovery Facility Drain Optimization Project, which assessments are the general obligations of said public corporations, and a Supplemental Order of the Chairperson. The full faith and credit of the Drainage District have been pledged for the prompt payment of the principal of and interest on this bond as the same become due and, in addition, the full faith and credit of the County of Oakland have been pledged therefor. Taxes imposed by said public corporations and the County of Oakland are subject to constitutional tax rate limitations.

This bond is transferable, as provided in the Resolution, only upon the books of the Drainage District kept for that purpose by the bond registrar and paying agent, upon the surrender of this bond together with a written instrument of transfer satisfactory to the bond registrar and paying agent duly executed by the Registered Owner or his attorney duly authorized in writing. Upon the exchange or transfer of this bond a new bond or bonds of any authorized denomination,



in the same aggregate principal amount and of the same interest rate and maturity, shall be authenticated and delivered to the transferee in exchange therefor as provided in the Resolution, and upon payment of the charges, if any, therein provided. Bonds so authenticated and delivered shall be in the denomination of \$5,000 or any integral multiple thereof not exceeding the aggregate principal amount for each maturity.

The bond registrar and paying agent shall not be required to transfer or exchange bonds or portions of bonds that have been selected for redemption.

This bond is subject to redemption prior to maturity at the option of the Drainage District and with the prior written consent of the Authority and on such terms as may be required by the Authority, in such order as shall be determined by the Drainage District, on any one or more interest payment dates. This bond may be partially redeemed in the amount of \$5,000 or any integral multiple thereof. If less than the entire principal amount of the bond maturing in any year is to be redeemed, the portion of the bond to be redeemed shall be selected by lot. The redemption price shall be the par value of the bond or portion of the bond called to be redeemed plus interest to the date fixed for redemption.

Not less than thirty days' notice of redemption shall be given to the holder of the bond called to be redeemed by mail to the registered holder at the registered address. That portion of the bond called for redemption shall not bear interest after the date fixed for redemption, provided funds are on hand with the bond registrar and paying agent to redeem the same.

Notwithstanding any other provision of this bond, so long as the Authority is the owner of this bond, (a) this bond is payable as to principal, premium, if any, and interest at U.S. Bank Trust Company, National Association, or at such other place as shall be designated in writing to the Drainage District by the Authority (the "Authority's Depository"); (b) the Drainage District agrees that it will deposit with the Authority's Depository payments of the principal of, premium, if any, and interest on this bond in immediately available funds by 12:00 noon at least five business days prior to the date on which any such payment is due whether by maturity, redemption or otherwise; in the event that the Authority's Depository has not received the Drainage District's deposit by 12:00 noon on the scheduled day, the Drainage District shall immediately pay to the Authority as invoiced by the Authority an amount to recover the Authority's administrative costs and lost investment earnings attributable to that late payment; and (c) written notice of any redemption of this bond shall be given by the Drainage District and received by the Authority's Depository at least 40 days prior to the date on which such redemption is to be made.

It is hereby certified, recited and declared that all acts, conditions and things required to exist, happen and be performed precedent to and in the issuance of the bonds of this series, existed, have happened and have been performed in due time, form and manner as required by law, and that the total indebtedness of said Drainage District, including the series of bonds of which this bond is one, does not exceed any constitutional or statutory limitation.

IN WITNESS WHEREOF, the Clinton River Water Resource Recovery Facility Drainage District, County of Oakland, State of Michigan, by its Drainage Board, has caused this bond to be executed in its name by the manual or facsimile signatures of the Chairperson and Secretary of the Drainage Board. This bond shall not be valid unless the Certificate of Authentication has been manually executed by an authorized representative of the bond registrar and paying agent.

CLINTON RIVER WATER RESOURCE  
RECOVERY FACILITY DRAINAGE DISTRICT

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Chairperson of the Drainage Board

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Secretary of the Drainage Board

CERTIFICATE OF AUTHENTICATION

This bond is one of the bonds described in the within mentioned Resolution.

\_\_\_\_\_  
Bond Registrar and Paying Agent

By: \_\_\_\_\_  
Authorized Representative

AUTHENTICATION DATE:

ASSIGNMENT

For value received, the undersigned hereby sells, assigns and transfers unto \_\_\_\_\_  
(please print or type name, address and taxpayer identification number of transferee) the within  
bond and all rights thereunder and hereby irrevocably constitutes and appoints  
\_\_\_\_\_  
attorney to transfer the within bond on the books kept for registration thereof, with full power of  
substitution in the premises.

Dated: \_\_\_\_\_

Signature Guaranteed: \_\_\_\_\_

Signature(s) must be guaranteed by an eligible guarantor institution participating in a Securities Transfer Association recognized signature guarantee program.

EXHIBIT A

Based on the schedule provided below unless revised as provided in this paragraph, repayment of principal of this bond shall be made until the full amount advanced to the Drainage District is repaid. In the event the Order of Approval issued by the Department of Environment, Great Lakes, and Energy (the "Order") approves a principal amount of assistance less than the amount of this bond delivered to the Authority, the Authority shall only disburse principal up to the amount stated in the Order. In the event (1) that the payment schedule approved by the Drainage District and described below provides for payment of a total principal amount greater than the amount of assistance approved by the Order, (2) that less than the principal amount of assistance approved by the Order is disbursed to the Drainage District by the Authority or (3) that any portion of the principal amount of assistance approved by the Order and disbursed to the Drainage District is prepaid or forgiven, the Authority shall prepare a new payment schedule which shall be effective upon receipt by the Drainage District.

MATURITY DATE

[ \_\_\_\_\_ ] 1

PRINCIPAL AMOUNT

END OF BOND FORM

16. SECURITY. Each series of Bonds shall be issued in anticipation of, and are payable primarily from, the collection of the several installments of special assessments against the public corporations assessed on the applicable Roll and Supplemental Order of the Chairperson. The full faith and credit of the Drainage District are pledged for the payment of the principal of and interest on the Bonds as the same become due, and, in addition, the full faith and credit of the County of Oakland have been pledged therefor by a two-thirds vote of the members elect of the Board of Commissioners of the County of Oakland.

17. DEFEASANCE. In the event cash or direct obligations of the United States or obligations the principal of and interest on which are guaranteed by the United States, or a combination thereof, the principal of and interest on which, without reinvestment, come due at times and in amounts sufficient to pay, at maturity or irrevocable call for earlier optional redemption, the principal of, premium if any, and interest on the Bonds or any portion of the Bonds, shall have been deposited in trust, this resolution shall be defeased with respect to such Bonds and the owners of the Bonds shall have no further rights under this resolution except to receive payment of the principal of, premium if any, and interest on the Bonds from the cash or securities deposited in trust and the interest and gains thereon and to transfer and exchange Bonds as provided herein.

18. ESTIMATES OF PERIOD OF USEFULNESS AND COST. The estimated period of usefulness of the Phase II Project is determined to be thirty (30) years and upwards. The estimated cost of the Phase II Project (\$65,200,000), as submitted to this Drainage Board and attached as Exhibit A, is approved and adopted.

19. PRINCIPAL AND INTEREST FUND. There shall be established for the Bonds a Principal and Interest Fund that shall be kept in a separate bank account. From the proceeds of the sale of the Bonds there shall be set aside in the Principal and Interest Fund any premium and accrued interest received from the purchaser of the Bonds at the time of delivery of the same. An amount equal to the interest due on the Bonds which may be capitalized, if any, shall also be placed in the Principal and Interest Fund and shall be used solely to pay the principal of and interest on

the Bonds authorized herein. The Chairperson is authorized to determine what amounts of interest shall be capitalized. All collections of installments of the assessments against the public corporations assessed (including principal and interest) on a Roll (and not prepaid) and the corresponding Supplemental Order of the Chairperson shall be placed in the Principal and Interest Fund and shall be used solely to pay the principal of and interest on the Bonds authorized herein.

20. CONSTRUCTION FUND. The remainder of the proceeds of the sale of the Bonds, together with the special assessments that have been prepaid as provided in Paragraphs 4 and 5, shall be set aside in a construction fund and used to pay the expenses of the issuance of the Bonds and the costs of acquiring and constructing the Phase II Project, including any engineering, legal and other expenses incidental thereto. Any unexpended balance of the proceeds of the sale of the Bonds remaining after completion of the construction of the Phase II Project shall be used as provided in Section 497 of the Drain Code.

21. APPROVAL OF MICHIGAN DEPARTMENT OF TREASURY. The issuance and sale of the Bonds are subject to permission being granted therefor by the Department of Treasury of the State of Michigan under Act 34, Public Acts of 2001, as amended, and the Chairperson is hereby authorized and directed, if necessary, to make application to the Department of Treasury for permission to issue and sell the Bonds as provided by the terms of this resolution.

22. SALE, ISSUANCE, DELIVERY, TRANSFER AND EXCHANGE OF BONDS. The Bonds shall be sold at a private, negotiated sale to the Authority, and the Drainage Board hereby determines that such negotiated sale is in the best interests of the Drainage District and is the most cost effective and efficient way to sell the Bonds. The sale of the Bonds shall be made pursuant to the terms and conditions to be set forth in a Purchase Contract (the "Purchase Contract") and a Supplemental Agreement (the "Supplemental Agreement") and the Chairperson is authorized to determine the principal amount of the Bonds to be sold and to execute and deliver the Purchase Contract and the Supplemental Agreement in such forms as shall be approved by the Chairperson by order executed at the time of sale. In addition, the Chairperson and any member of the Drainage Board are each authorized to execute and deliver to the Authority such certificates or

documents as the Authority or bond counsel shall require and to do all other things necessary to effectuate the sale, issuance, delivery, transfer and exchange of such Bonds in accordance with the provisions of this resolution.

Approval by the Drainage District of the matters delegated in this Section 22 or any other sections may be evidenced by execution of an Order by the Chairperson or the execution or approval of such documents by the Chairperson. The Chairperson, together with the Oakland County Treasurer (the Treasurer for the Drainage District), or any one of them, are authorized to execute any documents or certificates necessary to complete the transaction, including, but not limited to, any certificates, receipts, orders, agreements, instruments, security reports, a blanket letter of representations, and any certificates relating to federal or state securities laws, rules or regulations.

23. REPLACEMENT OF BONDS. Upon receipt by the Chairperson of the Drainage Board of proof of ownership of an unmatured Bond, of satisfactory evidence that the Bond has been lost, apparently destroyed or wrongfully taken and of security or indemnity that complies with applicable law and is satisfactory to the Chairperson, the Chairperson may authorize the bond registrar and paying agent to deliver a new executed Bond to replace the Bond lost, apparently destroyed or wrongfully taken in compliance with applicable law. In the event an outstanding matured Bond is lost, apparently destroyed or wrongfully taken, the Chairperson may authorize the bond registrar and paying agent to pay the Bond without presentation upon the receipt of the same documentation required for the delivery of a replacement Bond. The bond registrar and paying agent, for each new Bond delivered or paid without presentation as provided above, shall require the payment of expenses, including counsel fees, which may be incurred by the bond registrar and paying agent and the Drainage District in the premises. Any Bond delivered pursuant to the provisions of this Section 23 in lieu of any bond lost, apparently destroyed or wrongfully taken shall be of the same form and tenor and be secured in the same manner as the Bond in substitution for which such Bond was delivered.



24. TAX COVENANT. The Drainage District covenants to comply with all requirements of the Internal Revenue Code of 1986, as amended, necessary to assure that the interest on the Bonds will be and will remain excludable from gross income for federal income tax purposes. The Chairperson is authorized to do all things necessary to assure that the interest on the Bonds will be and will remain excludable from gross income for federal income tax purposes.

25. REDUCTION IN PRINCIPAL AMOUNT OF BOND ISSUE. If the Chairperson shall determine that it is not necessary to sell any series of the Bonds in the principal amount of \$65,200,000 because of prepayments of special assessments, a reduction on the computation of costs or otherwise, the Chairperson may by order reduce the principal amount of the Bonds to the amount deemed necessary so long as the proceeds of the sale of the Bonds will be sufficient to pay all of the costs of the portion of the Phase II Project intended to be financed by the Bonds. In the event the principal amount of the Bonds is reduced pursuant to this section, the Chairperson shall reduce the amount of such series of Bonds maturing in any one or more years as necessary and may enter an Order amending the annual installments of the special assessments due on the corresponding Roll.

26. AMENDMENT TO ROLL. Any Roll may be prepared in part based on estimates of the costs of the Phase II Project. In addition to other supplements, amendments or revisions authorized by this resolution, upon receipt of the final costs of all or a portion of the Phase II Project, the Chairperson is authorized to amend any Roll entered pursuant to this resolution to reduce the amount of the assessments and the annual installments of the special assessments due on such Roll based on the final costs of all or a portion of the Phase II Project, as applicable to such Roll; provided, however, the amount of such special assessments and annual installments shall not be less than the amount of principal outstanding on any Bonds corresponding to such Roll and issued pursuant to this resolution.

27. AMENDMENTS AND SUPPLEMENTAL RESOLUTIONS. The Drainage Board may from time to time adopt such amendments to this resolution as are necessary for the

issuance of the Bonds. In addition, the Drainage Board may adopt such supplemental resolutions as are necessary for the issuance of any series of Bonds authorized pursuant to this resolution.

28. CONFLICTING RESOLUTIONS. All resolutions and parts of resolutions insofar as they may be in conflict herewith are hereby rescinded.

YEAS:

NAYS:

RESOLUTION DECLARED ADOPTED.

EXHIBIT A  
ESTIMATE OF COST  
CLINTON RIVER WATER RESOURCE RECOVERY FACILITY DRAIN BONDS  
PHASE II PROJECT

Construction, engineering and contingencies	\$64,986,200
Cost of Issuance	
Bond Counsel	\$ 147,900
Financial Advisor	\$ 62,300
Advertising/Publications	\$ 2,500
Michigan Department of Treasury	<u>\$ 1,100</u>
Total Cost of Issuance	<u>\$ 213,800</u>
Total Phase II Project Cost	\$ 65,200,000
Size of Bond Issue	\$65,200,000

STATE OF MICHIGAN     )  
  )ss  
COUNTY OF OAKLAND    )

I hereby certify that the foregoing is a true and complete copy of a resolution adopted at a meeting of the Drainage Board for the Clinton River Water Resource Recovery Facility Drain Optimization Project, Oakland County, Michigan, held on \_\_\_\_\_, 2024, the original of which resolution is on file in the office of the Oakland County Water Resources Commissioner and is available to the public.

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

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Chairperson of the Drainage Board

**SPECIAL ASSESSMENT ROLL NO. 2-A  
FOR THE  
CLINTON RIVER WATER RESOURCE RECOVERY FACILITY  
DRAIN OPTIMIZATION PROJECT – PHASE II  
(An Intra-County Drain Project in the County of Oakland, Michigan)**

Project: Clinton River Water Resource Recovery Facility Drain  
Optimization Project – Phase II  
Total Estimated Cost: \$65,200,000  
Total Amount to be Assessed: \$65,200,000

Public Corporations	Percentage of Apportionment	Total Assessment	Amount of Prepaid Assessments Payment Due 1-Aug-2024	Amount of Assessment to be Paid in Installments	Percentage of Bond Issue
City of Auburn Hills	5.257%	\$ 3,427,564	\$-0-	\$ 3,427,564	5.257%
Charter Township of Independence	4.090%	\$ 2,666,680	\$-0-	\$ 2,666,680	4.090%
City of Lake Angelus	0.000%	\$ -0-	\$-0-	\$ -0-	0.000%
Village of Lake Orion	0.570%	\$371,640	\$-0-	\$371,640	0.570%
Charter Township of Oakland	1.315%	\$857,380	\$-0-	\$857,380	1.315%
Charter Township of Orion	4.487%	\$2,925,524	\$-0-	\$2,925,524	4.487%
Charter Township of Oxford	1.841%	\$1,200,332	\$-0-	\$1,200,332	1.841%
Village of Oxford	0.572%	\$372,944	\$-0-	\$372,944	0.572%
City of Pontiac	54.800%	\$35,729,600	\$-0-	\$35,729,600	54.800%
City of Rochester	2.486%	\$1,620,872	\$-0-	\$1,620,872	2.486%
City of Rochester Hills	10.242%	\$6,677,784	\$-0-	\$6,677,784	10.242%
Charter Township of Waterford	11.198%	\$7,301,096	\$-0-	\$7,301,096	11.198%
Charter Township of West Bloomfield	3.142%	\$2,048,584	\$-0-	\$2,048,584	3.142%
<b>Total</b>	<b>100.00%</b>	<b>\$65,200,000</b>	<b>\$-0-</b>	<b>\$65,200,000</b>	<b>100.00%</b>

The amounts assessed against the City of Auburn Hills, the Charter Township of Independence, the City of Lake Angelus, the Village of Lake Orion, the Charter Township of Oakland, the Charter Township of Orion, the Charter Township of Oxford, the Village of Oxford, the City of Pontiac, the City of Rochester, the City of Rochester Hills, the Charter Township of Waterford, the Charter Township of West Bloomfield which are not prepaid shall be payable in installments as follows:

See attached.

Unpaid nstallments shall be payable annually at a rate that will provide amounts sufficient to pay the principal and interest when due on the Clinton River Water Resource Recovery Facility Drainage District’s Clinton River Water Resource Recovery Facility Drain Bonds, Series 2024 to be issued by the Drainage District.

The foregoing special assessment roll was approved by the Drainage Board for the Clinton River Water Resource Recovery Facility Drain Optimization Project – Phase II on May 21, 2024.

\_\_\_\_\_  
Chairperson, Drainage Board

I hereby certify that the foregoing special assessment roll was prepared in accordance with the directions of the Drainage Board for the Clinton River Water Resource Recovery Facility Drain Optimization Project – Phase II and the statutory provisions applicable thereto.

\_\_\_\_\_  
Chairperson, Drainage Board

**CLINTON RIVER WATER RESOURCE RECOVERY FACILITY DRAINAGE DISTRICT**

**CLINTON RIVER WATER RESOURCE RECOVERY FACILITY  
DRAIN BONDS, SERIES 2024**

SEE ATTACHED SCHEDULE

**Clinton River Water Resource Recovery Facility Drainage District  
Drain Optimization Project Phase II  
Drain Installments - Special Assessment Roll No. 2-A**

Public Corporations:	City of Auburn Hills	Charter Township of Independence	City of Lake Angelus	Village of Lake Orion	Charter Township of Oakland	Charter Township of Orion	Charter Township of Oxford	Village of Oxford	City of Pontiac	City of Rochester	City of Rochester Hills	Charter Township of Waterford	Township of West Bloomfield	Total
	5.257%	4.090%	0.000%	0.570%	1.315%	4.487%	1.841%	0.572%	54.800%	2.486%	10.242%	11.198%	3.142%	100.000%
4/1/2028	\$ 134,052	\$ 104,291	\$ -	\$ 14,531	\$ 33,530	\$ 114,418	\$ 46,944	\$ 14,585	\$ 1,397,416	\$ 63,393	\$ 261,170	\$ 285,550	\$ 80,120	\$ 2,550,000
4/1/2029	137,471	106,954	-	14,906	34,387	117,335	48,142	14,958	1,433,019	65,009	267,828	292,828	82,163	2,615,000
4/1/2030	140,888	109,612	-	15,276	35,242	120,252	49,339	15,330	1,468,638	66,625	274,486	300,106	84,206	2,680,000
4/1/2031	144,568	112,475	-	15,675	36,163	123,393	50,628	15,730	1,506,998	68,365	281,655	307,945	86,405	2,750,000
4/1/2032	147,985	115,134	-	16,046	37,017	126,309	51,824	16,102	1,542,619	69,981	288,312	315,224	88,447	2,815,000
4/1/2033	151,927	118,201	-	16,473	38,004	129,674	53,205	16,531	1,583,720	71,845	295,994	323,622	90,804	2,890,000
4/1/2034	155,607	121,064	-	16,872	38,924	132,815	54,494	16,931	1,622,080	73,586	303,163	331,461	93,003	2,960,000
4/1/2035	159,550	124,132	-	17,300	39,910	136,180	55,874	17,360	1,663,180	75,450	310,845	339,859	95,360	3,035,000
4/1/2036	163,493	127,199	-	17,727	40,897	139,546	57,255	17,789	1,704,279	77,315	318,526	348,258	97,716	3,110,000
4/1/2037	167,698	130,471	-	18,183	41,949	143,135	58,728	18,247	1,748,120	79,303	326,720	357,216	100,230	3,190,000
4/1/2038	171,641	133,539	-	18,611	42,935	146,501	60,109	18,676	1,789,218	81,168	334,401	365,615	102,586	3,265,000
4/1/2039	176,110	137,015	-	19,095	44,053	150,315	61,674	19,162	1,835,798	83,281	343,107	375,133	105,257	3,350,000
4/1/2040	180,578	140,492	-	19,580	45,170	154,128	63,238	19,648	1,882,380	85,394	351,813	384,651	107,928	3,435,000
4/1/2041	185,046	143,968	-	20,064	46,288	157,942	64,803	20,134	1,928,962	87,507	360,518	394,170	110,598	3,520,000
4/1/2042	189,515	147,445	-	20,549	47,406	161,756	66,368	20,621	1,975,539	89,620	369,224	403,688	113,269	3,605,000
4/1/2043	194,246	151,126	-	21,062	48,589	165,795	68,025	21,135	2,024,859	91,858	378,442	413,766	116,097	3,695,000
4/1/2044	199,240	155,011	-	21,603	49,839	170,057	69,774	21,679	2,076,920	94,219	388,172	424,404	119,082	3,790,000
4/1/2045	204,234	158,897	-	22,145	51,088	174,320	71,523	22,222	2,128,979	96,581	397,902	435,042	122,067	3,885,000
4/1/2046	209,229	162,782	-	22,686	52,337	178,583	73,272	22,766	2,181,038	98,943	407,632	445,680	125,052	3,980,000
4/1/2047	214,486	166,872	-	23,256	53,652	183,070	75,113	23,338	2,235,838	101,429	417,874	456,878	128,194	4,080,000
	\$ 3,427,564	\$ 2,666,680	\$ -	\$ 371,640	\$ 857,380	\$ 2,925,524	\$ 1,200,332	\$ 372,944	\$ 35,729,600	\$ 1,620,872	\$ 6,677,784	\$ 7,301,096	\$ 2,048,584	\$ 65,200,000

1. City of Pontiac is the balance local unit for rounding.

**CHANGE ORDER NO. 1**

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

Authorization for Extras To & Changes In Contract

Department No. : 6010101  
 Fund No. : FND84686  
 Project No. : PRJ-17461

Account No. : 731472  
 Program No. : PRG149015  
 Project Activity : FAC  
 Contract PO : PO 00043820

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

Contract No. : 10566  
 Date of Contract: 10/24/23  
 Completion Date: 1/30/27

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
1-1	<b>LOCATION:</b> Clinton River Water Resource Recovery Facility - New Main Electrical Building (MEB)					
1-1	<b>DESCRIPTION (Extra/Add):</b> The short circuit rating of the 480V switchgear in the MEB used to connect the cogen and standby generators will increase to the next level available from 65ka to 100ka in accordance with the results of the submitted short circuit study, using parameters from the actual equipment being provided. The short circuit rating of the GEN-3 and GEN-4 breakers on the cogen units will increase from 35kA to 65kA in accordance with the same short circuit study, as described in Submittal #4 Engineer Response dated January 23, 2024 and Contractor Claim #1, dated April 16, 2024.	LS	1.0	\$32,955.00	\$32,955.00	---

**JIM NASH  
 OAKLAND COUNTY WATER RESOURCES COMMISSIONER**



Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
1-1	<p><b>REASON:</b></p> <p>During design, an initial short circuit study was performed with the anticipated final equipment to determine an approximate, conservative short circuit rating for the equipment. During construction, the contractor provided an updated short circuit study using the actual equipment being provided. The short circuit calculations were higher than the design values and will require an increase in the short circuit rating of the 480V switchgear and GEN-3 and GEN-4 cogen breakers</p>					

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
1-2	<p><b>LOCATION:</b> Clinton River Water Resource Recovery Facility - DTE Feed Line Next to Auburn Facility Gates</p>					
1-2	<p><b>DESCRIPTION (Extra/Add):</b> Add DTE Allowance for DTE to provide the pole mounted 600A overhead line disconnect switches on new DTE owned utility poles. DTE has reviewed proposed locations for the 600A disconnect switches and will provide the labor to install the switches. After installation, these 600A switches will be owned and maintained by DTE, as described in DTE Letter dated March 07, 2024.</p>	LS	1.0	\$60,293.00	\$60,293.00	---
1-2	<p><b>REASON:</b> During design, DTE was consulted and made aware of the upcoming electrical changes, but an official application for the changes was not submitted, since it was too soon. During construction, applications have been formally submitted to DTE. During the review period, DTE determined additional overhead disconnect switches would be required on DTE utility poles near the existing electrical building where the two utility services come together.</p>					
Totals					\$93,248.00	\$0.00
Net						
Increase					\$93,248.00	---

CHANGE ORDER NO. 1

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

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

Date: 05-10-2024

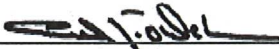
Recommended by:   
Allen Gelderloos, P.E. Consulting Engineer (Jacobs)

Date: May 10, 2024

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

Date: 5/15/2024

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

Accepted by:   
Colt Odeh - Vice President  
Executive Clark Construction  
Company

Date: May 10, 2024

Approved by:   
Steve Korth, P.E.  
Chief Manager

Date: May 15, 2024

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

Notice to Proceed Date:	Friday, November 17, 2023
Contract Substantial Completion Date:	Monday, November 16, 2026
Contract Final Completion Date:	Saturday, January 30, 2027
Original Contract Value:	\$ 30,550,434.00
Previous C.O. Values:	\$ -
Change Order No. 1 Value	\$ 93,248.00
<b>Adjusted Contract Value</b>	<b>\$ 30,643,682.00</b>

**JIM NASH  
OAKLAND COUNTY WATER RESOURCE 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

**DATE:** May 21, 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	PC00032487	Pcard - Lab Supplies # INV00329050	\$ 2,750.41
USA Blue Book	PC00033079	Pcard - Lab Supplies # INV00346305	1,236.85
Grainger	PC00033081	Pcard - Materials and Supplies # 9098636302	2,098.91
Grainger	PC00033650	Pcard - Materials and Supplies # 9106201370	1,359.60
The Macomb Group	PC00032764	Pcard - Materials and Supplies # Order #4236994	1,098.05
CSM Mechanical LLC	V # SINV00260861	Invoice # 3276 - Contracted Services	1,064.98
D3W Industries	V # SINV00257508	Invoice # 4459 - Material and Supplies	10,400.00
Eurofins Environment Testing	V # SINV00256274	Invoice # 1900054585 - Laboraratory Fees	2,866.20
Haviland Products Company	V # SINV00255611	Invoice # 502190 - Chemical Treatment	7,244.50
Haviland Products Company	V # SINV00255608	Invoice # 502191 - Chemical Treatment	7,278.26
Haviland Products Company	V # SINV00255606	Invoice # 502192 - Chemical Treatment	3,015.54
Haviland Products Company	V # SINV00255604	Invoice # 502193 - Chemical Treatment	14,985.00
Haviland Products Company	V # SINV00256659	Invoice # 502868 - Chemical Treatment	13,496.00
Haviland Products Company	V # SINV00257511	Invoice # 503173 - Chemical Treatment	1,489.00
Haviland Products Company	V # SINV00258612	Invoice # 503618 - Chemical Treatment	14,985.00
Haviland Products Company	V # SINV00260865	Invoice # 504943 - Chemical Treatment	3,255.96
LaSalle Agri Inc	V # SINV00259184	Invoice # 14 - Land Application	33,442.15
Marine Pollution Control	V # SINV00256278	Invoice # 41184 - Contracted Services	6,351.29
Polydyne Inc	V # SINV00258614	Invoice # 1828537 - Chemical Treatment	49,071.00
PVS Technologies Inc	V # SINV00256666	Invoice # 355354 - Chemical Treatment	1,738.48
PVS Technologies Inc	V # SINV00258615	Invoice # 355771 - Chemical Treatment	4,738.04
PVS Technologies Inc	V # SINV00258617	Invoice # 355772 - Chemical Treatment	1,750.88
PVS Technologies Inc	V # SINV00260028	Invoice # 356506 - Chemical Treatment	5,286.12
PVS Technologies Inc	V # SINV00260449	Invoice # 356573 - Chemical Treatment	2,700.72
Saber Building Services Inc	V # SINV00258478	Invoice # 44540 - Contracted Services - May 24	1,800.00
United States Geological Survey	V # SINV00255682	Invoice # 91154231 - Stream Gauge Program	3,096.50
Waste Management	V # SINV00259106	Invoice # 8753580 -1714-8 Garbage & Rubbish Disposal	2,915.47
		<b>Subtotal</b>	<b>\$ 201,514.91</b>
Jacobs	V # SINV00259887	Invoice # C6A21702-2 - Engineering & Survey - Proj # 1-7515	\$ 270,775.82
Jacobs	V # SINV00261031	Invoice # C6A21702-3 - Engineering & Survey - Proj # 1-7515	\$ 272,012.01
D'Angelo Brothers Inc	V # SINV00260023	Invoice # 120424-01 - Examination Material - Proj # 1-7515	\$ 2,488.00
		<b>Subtotal - Project 1-7515</b>	<b>\$ 545,275.83</b>
OHM Advisors	V # SINV00261032	Invoice # 74930 - Professional Services - 4/20/24 Proj # 1-7047	\$ 9,078.50
		<b>Subtotal - Project 1-7047</b>	<b>\$ 9,078.50</b>
Pro-Seal Service Group	V # SIN00258025	Invoice # 240992 - Contracted Services - Proj # 1-3470	\$ 3,256.54
J.G.M. Value Corporation	V # SIN00256643	Invoice # 24-16301 - Material and Supplies - Proj # 1-3470	\$ 5,036.00
		<b>Subtotal - Project 1-3470</b>	<b>\$ 8,292.54</b>
Hubbell Roth & Clark Inc	V # SINV00259883	Invoice # 0216263 - Engineering & Survey -03/30/24 - Proj 1-3679	\$ 9,476.38
		<b>Subtotal - Project 1-3679</b>	<b>\$ 9,476.38</b>
		<b>Total</b>	<b>\$ 773,638.16</b>

**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 *HP for Shawn Phelps*  
OCWRC Accounting

**DATE:** May 21, 2024

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

	Ref No.	For	Amount
Jacobs Consultant, Inc	V # SINV00261026	Invoice # C6A21700-16 - Engineering and Survey - 04/26/24 - Proj # 1-7461	24,984.91
		<b>Total for Project # 1-7461</b>	<b>\$ 24,984.91</b>
			<b>\$ 24,984.91</b>

## **4. Evergreen-Farmington Sanitary Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE EVERGREEN-FARMINGTON SANITARY DRAIN**

May 21, 2024

1. Call meeting to order
2. Approve minutes of meeting of April 23, 2024
3. Public Comments
4. Present Construction Estimate No. 26 for Walsh Construction Company II, LLC for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$1,513,695.22 with a transfer to the Oakland County Treasurer in the amount of \$168,188.36
5. Present Construction Estimate No. 8 for Dan’s Excavating for Construction of the 8 Mile Road Corrective Action Plan – Phase 2 in the amount of \$1,278,230.72
6. Present Construction Estimate No. 7 for Midwest Power Systems for Construction of the Lathrup Sanitary Retention Tank Improvements in the amount of \$69,954.54
7. Present request for Board approval of payment of invoices from the Evergreen Farmington Sanitary Drain in the amount of \$1,250,219.55
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**

April 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 23<sup>rd</sup> day of April 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

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

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

ADOPTED: Yeas - 2  
Nays - 0

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

Meadowbrook Insurance Agency provided a proposal for the renewal of drainage district insurance policies. It was moved by Markham, supported by Nash, to approve the insurance policy recommendation as presented and authorize the Chairperson to execute requisite coverage documents and authorize payment of the premium and related invoices.

ADOPTED: Yeas - 2  
Nays - 0

A memorandum from Gary Nigro, P.E., Manager, dated April 23, 2024, requesting the Board approve the proposed operating budget and sewer charges, cost allocation, and the Capital Improvement Program for the rate year beginning July 1, 2024 was presented. It was moved by Markham, supported by Nash, to approve the proposed operating budget and sewer charges, cost allocation, and the Capital Improvement Program for the rate year beginning July 1, 2024 as presented.

ADOPTED: Yeas - 2  
Nays - 0

A memorandum from Philip Kerby, P.E., Operations Engineer, dated April 23, 2024, requesting the Board add the Sanitary Sewer Rehabilitation project at Quarton Lake in the City of Birmingham to the capital improvement plan with a design budget of \$48,000 and award the engineering services contract to Hubbell, Roth & Clark, Inc. in the amount of \$42,000 was presented. It was moved by Markham, supported by

Nash, to add the Sanitary Sewer Rehabilitation project at Quarton Lake in the City of Birmingham to the capital improvement plan with a design budget of \$48,000 and award the engineering services contract to Hubbell, Roth & Clark, Inc. in the amount of \$42,000 as presented.

ADOPTED: Yeas - 2  
Nays - 0

Engineering Work Order for Applied Science, Inc., for the development of estimated lateral flow rates on the Southfield Sewer Lining Project in the amount of \$8,100 was presented. It was moved by Markham, supported by Nash, to approve Engineering Work Order for Applied Science, Inc., for the development of estimated lateral flow rates on the Southfield Sewer Lining Project in the amount of \$8,100 as presented.

ADOPTED: Yeas - 2  
Nays - 0

Change Order No. 9 for Walsh Construction for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 for a net increase in the amount of \$219,478.08 was presented. It was moved by Markham, supported by Nash to approve Change Order No. 9 for Walsh Construction for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 for a net increase in the amount of \$219,478.08 as presented.

ADOPTED: Yeas - 2  
Nays - 0

Construction Estimate No. 25 for Walsh Construction Company II, LLC for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$2,253,985 with a transfer to the Oakland County Treasurer in the amount of \$250,442.78 was presented. It was moved by Markham, supported by Nash, to approve Construction Estimate No. 24 for Walsh Construction Company II, LLC for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$2,253,985 with a transfer to the Oakland County Treasurer in the amount of \$250,442.78 as presented.

ADOPTED: Yeas - 2  
Nays - 0

Construction Estimate No. 7 for Dan’s Excavating for Construction of the 8 Mile Road Corrective Action Plan – Phase 2 in the amount of \$1,478,773.91 with a transfer to the Oakland County Treasurer in the amount of \$8,697.05 was presented. It was moved by Markham, supported by Nash, to approve Construction Estimate No. 6 for Dan’s Excavating for Construction of the 8 Mile Road Corrective Action Plan – Phase 2 in the amount of \$1,478,773.91 with a transfer to the Oakland County Treasurer in the amount of \$8,697.05 as presented.

ADOPTED: Yeas - 2

Nays - 0

Construction Estimate No. 6 for Midwest Power Systems for Construction of the Lathrup Sanitary Retention Tank Improvements in the amount of \$83,500 was presented. It was moved by Markham, supported by Nash, to approve Construction Estimate No. 6 for Midwest Power Systems for Construction of the Lathrup Sanitary Retention Tank Improvements in the amount of \$83,500 as presented.

ADOPTED: Yeas - 2  
Nays - 0

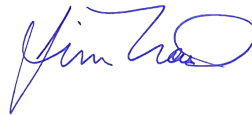
A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$384,611.99 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$384,611.99.

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.



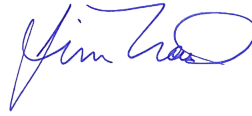
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Jim Nash, Chairperson

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 23<sup>rd</sup> day of April 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.



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Jim Nash, Chairperson

Dated: April 23, 2024

**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. 26

April 1, 2024 to Apr. 30, 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 through 8.	\$50,292,966.06
Change Orders This Estimate Number: CO No. 9	\$219,478.08
Total Net Change Orders:	\$50,512,444.14
<u>Adjusted Contract Amount:</u>	<u>\$50,512,444.14</u>
Subtotal To Date: (Sheet 2 of 3 Column 7)	\$19,732,144.16
Less Deductions to Date: (Sheet 2 of 3 Column 7)	\$0.00
Gross Estimate: (Work in Place) <span style="float:right">39.06%</span>	\$19,732,144.16
Less Amount Reserved: (10% of Gross Estimate)	\$1,973,214.42
Total Amount Allowed To Date:	\$17,758,929.74
Less Previous Estimates:	\$16,245,234.52
Net Payment Request To Be Paid To Contractor:	\$1,513,695.22
Reserve Payment to Contractor	\$0.00
Balance of Contract To Date <span style="float:right">✓</span>	\$30,780,299.98
	Accounting Auditor: <i>BGR</i> 5/7/2024
Less Previous Transfers To Reserve:	\$1,805,026.06
<u>Amount of Current Transfer:</u>	<u>\$168,188.36</u>

Prepared by: *Charles J. Roarty, Jr.* Date: 2024 05 01  
 Charles J. Roarty, Jr., P.E. - NTH Consultants

Recommended by: *Joseph Siwek* Date: 5/2/2024  
 Joe Siwek, P.E. - Consulting Engineer (Fishbeck)

Recommended by: *Evangelos Bantios* Date: 5-7-2024  
 Evangelos Bantios, P.E. - Project Engineer

Approved by: *Joel Brown* Date: 5/14/2024  
 Joel Brown, P.E. - Chief Engineer

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. 8

April 1, 2024 to Apr. 30, 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 Nos. 1 and 2 \$214,293.91

Change Orders This Estimate Number: \$0.00

Total Net Change Orders: \$214,293.91

Adjusted Contract Amount: \$10,595,447.91

Subtotal To Date: (Sheet 2 of 2 Column 7) \$7,976,455.16

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

Gross Estimate: (Work in Place) 75.28% \$7,976,455.16

Less Amount Reserved: (5% of Adjusted Contract Amount) \$529,772.40

Total Amount Allowed To Date: \$7,446,682.76

Less Previous Estimates: \$6,168,452.04

Net Payment Request To Be Paid To Contractor: \$1,278,230.72

Reserve Payment to Contractor \$0.00

Balance of Contract To Date ✓ \$2,618,992.75 Accounting Auditor: *BTR* 5/7/2024

Less Previous Transfers To Reserve: \$529,772.40

Amount of Current Transfer: \$0.00

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

Date: 2024 05 07

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

Date: 5/7/2024

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

Date: 5-7-2024

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

Date: 5/13/2024

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 the Lathrup SRT  
 Lathrup Village  
 Oakland County, Michigan**

Construction Estimate No. 7

4-6-2024 to 5-8-2024

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

Account No. : 730352  
 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 &2): \$15,250.00

Change Orders This Estimate: \$0.00

Total Net Change Orders: \$15,250.00

Adjusted Contract Amount: \$2,333,754.20

✓

Subtotal To Date: (Sheet 2 of 2 Column 7) \$1,884,683.26

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

Gross Estimate: (Work in Place) 80.76% \$1,884,683.26

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

✓

Total Amount Allowed To Date: \$1,767,995.55

Less Previous Estimates: \$1,698,041.01

Net Payment Request To Be Paid To Contractor: \$69,954.54

Reserve Payment to Contractor \$0.00

Balance of Contract To Date ✓ \$449,070.94 Accounting Auditor: *BCR* 5/9/2024

Less Previous Transfers To Reserve: \$116,687.71

✓

Amount of Current Transfer: \$0.00

Prepared by: *Evangelos Bantios* Date: 5-9-2024  
 Evangelos Bantios, P.E. - Project Engineer

Recommended by: *John Bergsma* Date: 5-13-2024  
 John Bergsma, P.E. - Consulting Engineer

Approved by: *Joel Brown* Date: 5/14/2024  
 Joel Brown, P.E. - Chief Engineer

Approved by Board on: \_\_\_\_\_

**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

 for Shawn Phelps

**DATE:** May 21, 2024

**SUBJECT:** Request for Approval of Invoices

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

Payable To	Ref No.	For	Amount
Applied Science Inc	SINV00258091	Inv# 8598 - Contracted Services - Proj #17449	8,543.50
Hubbell Roth and Clark Inc	SINV00256567	Inv# 0216121 - Engineering Services - Proj #17449	28,670.48
<b>Subtotal - Project #17449</b>			<b>\$ 37,213.98</b>
Hubbell Roth and Clark Inc	SINV00256358	Inv# 0216122 - Engineering Services - Proj #17450	5,938.98
<b>Subtotal - Project #17450</b>			<b>\$ 5,938.98</b>
Fishbeck	SINV00257526	Inv# 436552 - Engineering Services - Proj #17452	23,958.30
NTH Consultants, Ltd.	SINV00255659	Inv# 635524 - Engineering Services - Proj #17452	6,557.50
NTH Consultants, Ltd.	SINV00255660	Inv# 635529 - Engineering Services - Proj #17452	13,545.00
NTH Consultants, Ltd.	SINV00261036	Inv# 635804 - Engineering Services - Proj #17452	14,833.50
NTH Consultants, Ltd.	SINV00261039	Inv# 635811 - Engineering Services - Proj #17452	10,047.50
<b>Subtotal - Project #17452</b>			<b>\$ 68,941.80</b>
Fishbeck	SINV00257502	Inv# 435929 - Engineering Services - Proj #17455	6,152.00
JMK Engineering, Inc.	SINV00260759	Invoice# 1720 - Professional Services - Proj #17455	5,890.50
<b>Subtotal - Project #17455</b>			<b>\$ 12,042.50</b>
DLZ Michigan Inc	SINV00260857	Invoice# 000400590 - Prof Svc-Consultant - Proj #17456	2,222.00
<b>Subtotal - Project #17456</b>			<b>\$ 2,222.00</b>
DLZ Michigan Inc	SINV00258012	Invoice# 000400592 - Engineering Services - Proj #17459	2,020.00
JMK Engineering, Inc.	SINV00260759	Invoice# 1720 - Professional Services - Proj #17459	2,244.00
<b>Subtotal - Project #17459</b>			<b>\$ 4,264.00</b>
DLZ Michigan Inc	SINV00258611	Invoice# 000400598 - Engineering Services - Proj #17554	7,005.70
<b>Subtotal - Project #17554</b>			<b>\$ 7,005.70</b>
DLZ Michigan Inc	SINV00258609	Invoice# 000400587 - Engineering Services - Proj #17555	9,894.41
<b>Subtotal - Project #17555</b>			<b>\$ 9,894.41</b>
ADS LLC	SINV00260010	Inv# 35801-0224-A-R1 - Contracted Services	51,950.00
ADS LLC	SINV00260018	Inv# 35801-0224-I-R1 - Contracted Services	2,770.00
ADS LLC-	SINV00260011	Inv# 35801-0224-K-R1 - Contracted Services	4,725.00
ADS LLC	SINV00258128	Inv# 35801-0324-A - Contracted Services	51,950.00
ADS LLC	SINV00258087	Inv# 35801-0324-I - Contracted Services	2,770.00
ADS LLC	SINV00258131	Inv# 35801-0324-K - Contracted Services	4,725.00
Applied Science Inc	SINV00256248	Inv# 8597 - Contracted Services	114,979.50
Applied Science Inc	SINV00256351	Inv# 8599 - Contracted Services	34,010.10
Applied Science Inc	SINV00256254	Inv# 8601 - Contracted Services	5,529.00
H and P Technologies	SINV00259102	Inv# 1082092 - Material and Supplies	1,050.00
Meadowbrook Insurancy Agency	TBP	Inv# 14197 - Insurance - Renewal of #11187390 003 Property	294,990.00
Meadowbrook Insurancy Agency	TBP	Inv# 14198 - Insurance - Renewal of #PPE G72520762 004 Pollution Liability	92,499.00
Meadowbrook Insurancy Agency	TBP	Inv# 14199 - Insurance - Renewal of #EB5-Z51-294808-014 General Liability	18,601.00
Meadowbrook Insurancy Agency	TBP	Inv# 14200 - Insurance - Renewal of #T65-Z51-294808-024 Public Officials Liability	68,796.00
Meadowbrook Insurancy Agency	TBP	Inv# 14201 - Insurance - Renewal of #TH7-Z51-294808-034 \$10M X Primary Excess Liability	59,340.00
Meadowbrook Insurancy Agency	TBP	Inv# 14206 - Insurance - Renewal of #AMFSD00034-02 \$5M X \$10M Excess Liability	91,668.83
Meadowbrook Insurancy Agency	TBP	Inv# 14207 - Insurance - Renewal of #CSX00047695P-01 Excess Liability	61,500.00
Meadowbrook Insurancy Agency	TBP	Inv# 14208 - Insurance - Renewal of #AUR-PE-002005-00 \$5M X \$20M Excess Liability	53,275.00



Payable To	Ref No.	For	Amount
Meadowbrook Insurancy Agency	TBP	Inv# 14210 - Insurance - Renewal of #EXC5610421 \$5M X \$25M Excess Liability	48,500.00
Orchard Hiltz and McCliment Inc	SINV00260012	Inv# 73803 - Contracted Services	8,458.75
Orchard Hiltz and McCliment Inc	SINV00260013	Inv# 74924 - Contracted Services	1,258.00
Pipeline Management Company	SINV00256258	Inv# 24-01294 - Contracted Services	29,351.00
		<b>Subtotal</b>	<b>\$ 1,102,696.18</b>
		<b>Total</b>	<b>\$ 1,250,219.55</b>

## **5. Edwards Relief Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR EDWARDS RELIEF DRAIN**

May 21, 2024

1. Call meeting to order
2. Approve minutes of meeting of April 23, 2024
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$566,041
5. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$240.35
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD  
FOR THE EDWARDS RELIEF DRAIN**

April 23, 2024

A meeting of the Drainage Board for the Edwards Relief 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 23<sup>rd</sup> day of April 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

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

Minutes of the meeting held February 23, 2021, 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.

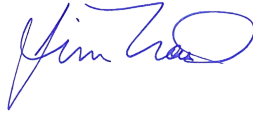
A memorandum from Geoff Wilson, P.E., Chief Engineer, Drain Maintenance, requesting the Board authorize Doetsch Industrial Services (AKA Doetsch Environmental Services) to proceed with services outlined in its February 25, 2024 proposal for a not-to-exceed amount of \$349,540 based on existing as-needed services contract 009838 and approve project budget of \$486,008 for the Edwards Relief Maintenance Repairs Project 17416 was presented. It was moved by Markham, supported by Nash, to authorize Doetsch Industrial Services (AKA Doetsch Environmental Services) to proceed with services outlined in its February 25, 2024 proposal for a not-to-exceed amount of \$349,540 based on existing as-needed services contract 009838 and approve project budget of \$486,008 for the Edwards Relief Maintenance Repairs Project 17416 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.



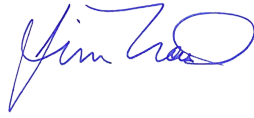
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Jim Nash, Chairperson

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 of the Edwards Relief Drain, Oakland County, Michigan, held on the 23<sup>rd</sup> day of April 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 Edwards Relief Drain Drainage District.



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Jim Nash, Chairperson

Dated: April 23, 2024

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

Assessment for current fund deficit, estimated maintenance expenses for fiscal years 2024 through 2026,  
and the Edwards Relief Maintenance Repairs 2023 Project

Date last assessment approved:	10/22/19	
Last Assessment:		\$104,100
Current Available Cash:		(\$32,633)

<b>Expenditure History:</b>	<b>Fiscal Year</b>	<b>Amount</b>
	2017	\$11,526
	2018	\$13,783
	2019	\$13,140
	2020	\$22,270
	2021	\$19,264
	2022	\$13,862
	2023	\$26,789

<b>Estimated Expenditures:</b>	<b>Year</b>	<b>Amount</b>
	2024	\$15,800
	2025	\$15,800
	2026	\$15,800
	<b>Total</b>	<b>\$47,400</b>

**Recommended Assessment:**

Current Cash Deficit	\$32,633
Total Anticipated Expenses 2024 - 2026	\$47,400
Proposed Edwards Relief Maintenance Repairs 2023 Project Expenses	\$486,008
<b>TOTAL RECOMMENDED ASSESSMENT</b>	<b>\$566,041</b>

Prepared by: Andrea Craft Date: 05/17/2024  
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 the preliminary March 31, 2024, Fiscal Services Division Report.

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

<b>Public Corporation</b>	<b>*Percentage of Apportionment</b>	<b>Total Amount of Assessment</b>	<b>Payment #1</b>	<b>Payment #2</b>	<b>Payment #3</b>
Charter Township of West Bloomfield	78.209%	\$ 442,695.01	\$ 442,695.01	-	-
County of Oakland on account of drainage to county highways	21.791%	\$ 123,345.99	\$ 123,345.99	-	-
<b>Total</b>	<b>100.000%</b>	<b>\$ 566,041.00</b>	<b>\$ 566,041.00</b>	<b>\$ -</b>	<b>\$ -</b>

\*Apportionment based on Final Order of Apportionment dated 10/23/1974.

Assessment Payment Due Date(s): Payment #1 06/30/2024

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Edwards 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 Edwards Relief Drain

The foregoing Special Assessment Roll for the maintenance of the Edwards Relief Drain was approved by the Drainage Board on \_\_\_\_\_.

\_\_\_\_\_  
Jim Nash  
Chairman of the Drainage Board for the Edwards Relief Drain



**MEMO TO:** Mr. Jim Nash, Chairman  
of the Drainage Board for the EDWARDS RELIEF DRAIN

**FROM:** Shawn Phelps, Chief of Fiscal Services  
Drain Accounting

Ⓜ for Shawn Phelps

**DATE:** May 21, 2024

**SUBJECT:** Request for Approval of Invoices

The following is a detail of charges paid from the Drain Revolving Fund  
for the period ending May 17, 2024.

<u>Date</u>	<u>Ref No.</u>	<u>Paid To</u>	<u>For</u>	<u>Amount</u>
6/30/2022	JE # 004403	Meadowbrook Insurance	Invoice # 8999 - Insurance Allocation - 2022	\$ 240.35
				<b>Total</b> \$ 240.35

## **6. Jamian Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE JAMIAN DRAIN**

May 21, 2024

1. Call meeting to order
2. Approve minutes of meeting of February 28, 2017
3. Public Comments
4. Present Memorandum from Garrett Shafer, E.I.T., Civil Engineer II, Drain Maintenance, dated May 21, 2024, requesting the Board authorize Inland Lakes Landscaping Corporation to proceed with services outlined in its April 5, 2024 proposal for a not-to-exceed amount of \$88,142 based on existing as-needed services contract No. 008784, and approve a project budget of \$136,313 for the Jamian Drain Sediment Basin Cleanout Project based on the enclosed project budget estimate form.
- 5.
6. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$41,770
7. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$15,330.36
8. Other business
9. Approve pro rata payment to Drainage Board members
10. Adjourn

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

February 28, 2017

A meeting of the Drainage Board for the Jamian 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 28<sup>th</sup> day of February, 2017.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

Michael Gingell, Chairperson of the Oakland County Board of Commissioners

Thomas F. Middleton, Chairperson of the Finance Committee,  
Oakland County Board of Commissioners

Minutes of the meeting held January 24, 2017 were presented for consideration. It was moved by Middleton, supported by Gingell, that the minutes be approved.

ADOPTED: Yeas - 3  
Nays - 0

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

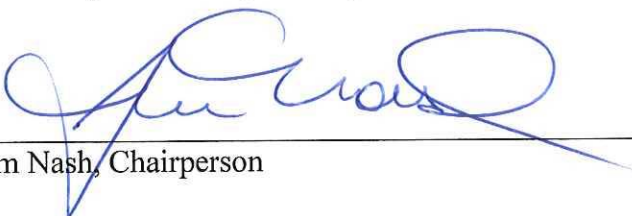
A request for Board approval of payment of invoices in the amount of \$194.57 (as attached) was presented. It was moved by Gingell, supported by Middleton, that the invoices in the amount of \$194.57 be paid as presented.

ADOPTED: Yeas - 3  
Nays - 0

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

ADOPTED: Yeas - 3  
Nays - 0

There being no further business, the meeting was adjourned.

  
\_\_\_\_\_  
Jim Nash, Chairperson

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

**FROM:** Holly Conforti, Chief of Fiscal Services  
OCWRC Accounting

*HMC  
✓ Karmel A. Jager*

**DATE:** February 28, 2017

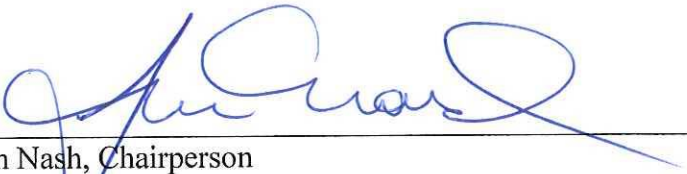
**SUBJECT:** Request for Board approval of payment of the following invoices:

<u>Payable To</u>	<u>Reference</u>	<u>For</u>	<u>Amount</u>
Cardno Inc.	TBP	Invoice # 220168 - Professional Services ending 01/27/17 - Proj # 1-1899	\$ 194.57
		Total	\$ 194.57

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 Jamian Drain, Oakland County, Michigan, held on the 28<sup>th</sup> day of February, 2017, 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 Jamian Drain Drainage District.

  
\_\_\_\_\_  
Jim Nash, Chairperson

Dated: March 13, 2017

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

**TO:** Jim Nash, Chairperson of the Jamian Drain Drainage Board

**FROM:** Garrett Shafer, E.I.T., Civil Engineer II, Drain Maintenance

**SUBJECT:** Jamian Drain Sediment Basin Cleanout – Inland Lakes Landscaping Corporation

**DATE:** May 21, 2024

Inspection of the Jamian Drain in 2021 revealed sediment built up in the two basins north of 14 Mile Road in West Bloomfield Township. Staff prepared a scope of work and solicited pricing from two existing as-needed contractors with the equipment necessary to clean out the sediment basins. Inland Lakes Landscaping Corporation, a Pontiac-based company, provided the most cost-effective proposal for the work. A project budget for this maintenance work has been prepared and is included with this memorandum. This project will be funded by a future assessment that will be presented to the Board later this year. West Bloomfield Township is aware of the basin cleanout and the cost for this work.

**Requested Action: Authorize Inland Lakes Landscaping Corporation to proceed with services outlined in its April 5, 2024 proposal for a not-to-exceed amount of \$88,142 based on existing as-needed services contract No. 008784, and approve a project budget of \$136,313 for the Jamian Drain Sediment Basin Cleanout Project based on the enclosed project budget estimate form.**

**Jamian Ponds Cleanout Detailed Estimate Breakdown** 4/5/24

**Scope of Work:** Traffic control measures and any necessary SESC measures will be installed prior to any excavation. Inland will then excavate sediment from Ponds A & B to the design elevation of the Jamian drain Improvements Plan dated 4/17/2005. The excavated sediment will be stockpiled on the pond banks and allowed to drain and dry, then it will be loaded and shipped off site. The road will be kept clean of soils on a daily basis. Any disturbed pond banks will be graded and seeded with the Jamian Drain specified seed mix and stabilized with S-150 TRM. Any disturbed upland turf areas will be top soiled, seeded with class A seed mix, and stabilized. See Notes

ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
<b>1</b>	<b>Mobilization</b>				
	Unit Price No. 6 - Hydraulic Excavator Mob. (61 – 130 HP)	LS	1	\$575.00	\$575.00
	Unit Price No. 8 - Hydraulic Excavator Mob. (151 – 220 HP)	LS	1	\$690.00	\$690.00
	Unit Price No. 17 - Skid Steer Mob. (76+ HP)	LS	1	\$345.00	\$345.00
	Unit Price No. 17 - Skid Steer Mob. (76+ HP) (Terex material handler)	LS	1	\$345.00	\$345.00
	Unit Price No. 15 - Skid Steer Mob. (61-75 HP)	LS	1	\$345.00	\$345.00
	Timber Crane Mats	EA	4	\$100.00	\$400.00
	Large Plastic Mats	EA	6	\$50.00	\$300.00
	<b>Subtotal</b>				<b>\$3,000.00</b>
<b>2</b>	<b>Site Access, Staging, Traffic Controls, Sweeping</b>				
	Men working signs and cones	LS	1	\$200.00	\$200.00
	Unit Price No. 15 - Skid Steer Hourly (61-75 HP)	HR	6	\$126.00	\$756.00
	Unit Price No. 4 - Project Laborer Hourly	HR	4	\$57.50	\$230.00
	<b>Subtotal</b>				<b>\$1,186.00</b>
<b>3</b>	<b>SESC Permitting and Install Budget</b>				
	Unit Price No. 2. Administrative Staff Hourly	HR	4	\$74.75	\$299.00
	Required Control Measures + Install Estimated LS	LS	1	\$4,700.00	\$4,700.00
	<b>Subtotal</b>				<b>\$4,999.00</b>
<b>4</b>	<b>Excavation, Stockpiling and loading</b>				
	POND A				
	Unit Price No. 6 - Hydraulic Excavator Hourly (61 – 130 HP)	HR	60	\$201.25	\$12,075.00
	Unit Price No. 8 - Hydraulic Excavator Hourly (151 – 220 HP)	HR	60	\$253.00	\$15,180.00
	<b>Pond A Subtotal</b>				<b>\$27,255.00</b>
	POND B				
	Unit Price No. 6 - Hydraulic Excavator Hourly (61 – 130 HP)	HR	60	\$201.25	\$12,075.00
	Unit Price No. 8 - Hydraulic Excavator Hourly (151 – 220 HP)	HR	60	\$253.00	\$15,180.00
	<b>Pond B Subtotal</b>				<b>\$27,255.00</b>
	<b>Subtotal</b>				<b>\$54,510.00</b>
<b>5</b>	<b>OffSite Disposal</b>				
	Unit No. 35 -Service and Repair Material - Cost Plus 10% Over \$1000	CY	700	\$25.00	\$17,500.00
	<b>Subtotal</b>				<b>\$17,500.00</b>
<b>6</b>	<b>Restoration</b>				
	Unit Price No. 1 - Project Supervisor Hourly	HR	10	\$86.25	\$862.50
	Unit Price No. 3 - Project Foreman Hourly	HR	20	\$72.45	\$1,449.00
	Unit Price No. 4 - Project Laborer Hourly	HR	20	\$57.50	\$1,150.00
	Unit Price No. 17 - Skid Steer Hourly (76+ HP)	HR	16	\$138.00	\$2,208.00
	Unit Price No. 35 - S-150 TRM (Pond Banks)	SY	100	\$1.46	\$146.05
	Unit Price No. 35 - S-100 TRM (Upland)	SY	500	\$1.32	\$661.25
	Unit Price No. 35 - Jamian Drain Seed Mix (Pond Banks)	LS	1	\$335.00	\$335.00
	Unit Price No. 35 - Class A Turf Seed (upland)	LS	1	\$135.00	\$135.00
	Unit Price No. 35 - Topsoil	CY	20	\$25.00	\$500.00
	<b>Subtotal</b>				<b>\$6,946.80</b>
	<b>TOTAL</b>				<b>\$88,141.80</b>

Note:

It will be an additional \$650 per 3" tree planted.

Any irrigation repair necessary will be at an additional cost

The exact quantity of material removed will likely vary from the estimate.

Billing will be based on the actual time and quantities removed.



**JAMIAN DRAIN SEDIMENT BASIN CLEANOUT  
PRELIMINARY ESTIMATE OF PROJECT COSTS  
REVISED: APRIL 16, 2024**

	Project Costs
<b>1) Contracted Services: Construction Cost</b>	
a Contractor's Estimate	\$ 88,142
b Add More if Multiple Phases/ Contracts	
<b>Subtotal Construction Cost</b>	<b>\$ 88,142</b>
<b>2) Engineering Consultants</b>	
a Design Phase	
b Construction Administration	
c Scheduling Consultant for Large Projects	
d Sediment Sampling (Completed)	\$ 3,130
e	
f	
<b>Subtotal Engineering Consultants</b>	<b>\$ 3,130</b>
<b>3) Legal &amp; Financial</b>	
a Easements	
b Legal Costs	
c Financial Consultant	
d Bond Counsel	
e OCIP Insurance	
f Official Statement	
g Wetland Mitigation	
<b>Subtotal Legal &amp; Financial</b>	<b>\$ -</b>
<b>4) County Services:</b>	
a Administration & General (ADM)	\$ 7,051
b Engineering (ENG)	\$ 12,865
c Right-Of-Way (ROW)	\$ 4,407
d Construction Inspection (INS)	\$ 4,800
e GIS Mapping (ADM)	
f Operation Staff (STD)	
g Survey (SUR)	\$ 3,526
<b>Subtotal County Services</b>	<b>\$ 32,649</b>
<b>Project Subtotal</b>	<b>\$ 123,921</b>
<b>5) 10% Project Contingency</b>	<b>\$ 12,392</b>
<b>6) Less Anticipated Grant Funds</b>	
<b>7) Total Project Cost</b>	<b>\$ 136,313</b>

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

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

Date last assessment approved:	04/26/16	
Last Assessment:		\$18,000
Current Available Cash:		(\$31,870)

Expenditure History:	Fiscal Year	Amount
	2017	\$2,740
	2018	\$1,726
	2019	\$1,649
	2020	\$1,827
	2021	\$3,776
	2022	\$10,428
	2023	\$4,708

Estimated Expenditures:	Year	Amount
	2024	\$3,300
	2025	\$3,300
	2026	\$3,300
	<b>Total</b>	<b>\$9,900</b>

**Recommended Assessment:**

Current Cash Deficit	\$31,870
Total Anticipated Expenses 2024 - 2026	\$9,900

**TOTAL RECOMMENDED ASSESSMENT \$41,770**

Prepared by: Andrea Craft Date: 05/08/2024  
 Andrea Craft - Engineering Systems Coordinator

Approved by: Geoff Wilson Date: 05/08/2024  
 Geoff Wilson, P.E. - Chief Engineer

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

Note: Current Available Cash as of March 31, 2024, Fiscal Services Division Report.

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

<b>Public Corporation</b>	<b>*Percentage of Apportionment</b>	<b>Total Amount of Assessment</b>	<b>Payment #1</b>	<b>Payment #2</b>	<b>Payment #3</b>
Charter Township of West Bloomfield	83.3600%	\$ 34,819.47	\$ 34,819.47	-	-
County of Oakland on account of drainage to county highways	16.6400%	\$ 6,950.53	\$ 6,950.53	-	-
<b>Total</b>	<b>100.000%</b>	<b>\$ 41,770.00</b>	<b>\$ 41,770.00</b>	<b>\$ -</b>	<b>\$ -</b>

\*Apportionment based on Final Order of Apportionment dated 4/19/2005.

Assessment Payment Due Date(s): Payment #1 06/30/2024

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Jamian 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 Jamian Drain

The foregoing Special Assessment Roll for the maintenance of the Jamian Drain was approved by the Drainage Board on \_\_\_\_\_.

\_\_\_\_\_  
Jim Nash  
Chairman of the Drainage Board for the Jamian Drain

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

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

**DATE:** May 21, 2024

**SUBJECT:** Request for Reimbursement of Drain Revolving Fund

The following is a detail of Expenses paid from the Drain Revolving Fund for the period ending May 17, 2024.

<u>Date</u>	<u>Ref No.</u>	<u>Paid To</u>	<u>For</u>	<u>Amount</u>
3/12/2024	V # SINV00246539	Material Testing Consultants Inc	Invoice # 0070259 - Contracted Services - 12/1/23 - 01/31/24	\$ 3,130.02
1/4/2024	V # SINV00231425	Inland Lakes Landscaping Corp	Invoice # 24739 - Contracted Services	12,200.34
				<u>\$ 15,330.36</u>

## **7. Joachim Relief Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE JOACHIM RELIEF DRAIN**

May 21, 2024

1. Call meeting to order
2. Approve minutes of meeting of January 23, 2024
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$43,715
5. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$14,542.31
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD  
FOR THE JOACHIM RELIEF DRAIN**

January 23, 2024

A meeting of the Drainage Board for the Joachim Relief 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 23<sup>rd</sup> day of January 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

ABSENT: None.

Minutes of the meeting held October 24, 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.

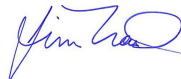
A memorandum from Geoff S. Wilson, P.E., Chief Engineer, dated January 23, 2024, requesting the Board authorize HRC to proceed with the engineering services outlined in its December 18, 2023, proposal for an amount not-to-exceed \$110,000 was presented. It was moved by Markham, supported by Woodward, to authorize HRC to proceed with the engineering services outlined in its December 18, 2023, proposal for an amount not-to-exceed \$110,000 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.



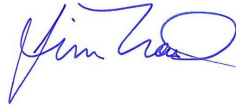
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Jim Nash, Chairperson

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 Joachim Relief Drain, Oakland County, Michigan, held on the 23<sup>rd</sup> 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 Joachim Relief Drain Drainage District.



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Jim Nash, Chairperson

Dated: January 23, 2024



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

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

Date last assessment approved:	07/27/21	
Last Assessment:		\$41,508
Current Available Cash:		(\$24,215)

<b>Expenditure History:</b>	<b>Fiscal Year</b>	<b>Amount</b>
	2017	\$1,128
	2018	\$5,712
	2019	\$18,579
	2020	\$4,251
	2021	\$4,323
	2022	\$13,761
	2023	\$17,527

<b>Estimated Expenditures:</b>	<b>Year</b>	<b>Amount</b>
	2024	\$6,500
	2025	\$6,500
	2026	\$6,500
	<b>Total</b>	<b>\$19,500</b>

**Recommended Assessment:**

Current Cash Deficit	\$24,215
Total Anticipated Expenses 2024 - 2026	\$19,500

**TOTAL RECOMMENDED ASSESSMENT** **\$43,715**

Prepared by: Andrea Craft Date: 05/08/2024  
Andrea Craft - Engineering Systems Coordinator

Approved by: Geoff Wilson Date: 05/08/2024  
Geoff Wilson, P.E. - Chief Engineer

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

Note: Current Available Cash as of March 31, 2024, Fiscal Services Division Report.  
\*(Less \$3,800 previously collected for special maintenance expenses, but not yet spent)

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

<b>Public Corporation</b>	<b>*Percentage of Apportionment</b>	<b>Total Amount of Assessment</b>	<b>Payment #1</b>	<b>Payment #2</b>	<b>Payment #3</b>
City of Pontiac	97.718%	\$ 42,717.42	\$ 42,717.42	-	-
State of Michigan	2.282%	\$ 997.58	\$ 997.58	-	-
<b>Total</b>	<b>100.000%</b>	<b>\$ 43,715.00</b>	<b>\$ 43,715.00</b>	<b>\$ -</b>	<b>\$ -</b>

\*Apportionment based on Final Order of Apportionment dated 10/6/1972.

Assessment Payment Due Date(s): Payment #1 06/30/2024

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Joachim 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 Joachim Drain

The foregoing Special Assessment Roll for the maintenance of the Joachim Drain was approved by the Drainage Board on \_\_\_\_\_.

\_\_\_\_\_  
Jim Nash  
Chairman of the Drainage Board for the Joachim Drain

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

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

*(H) for Shawn Phelps*

**DATE:** May 21, 2024

**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 May 17, 2024.

<u>Date</u>	<u>Ref No.</u>	<u>Paid To</u>	<u>For</u>	<u>Amount</u>
7/18/2023	V # SINV00194830	Hubbell Roth & Clark Inc	Invoice # 0203445 - Contracted Services - 01/07/23	\$ 1,582.23
7/18/2023	V # SINV00194833	Hubbell Roth & Clark Inc	Invoice # 0204768 - Contracted Services - 03/04/23	8,309.28
7/11/2023	V # SINV00193364	Hubbell Roth & Clark Inc	Invoice # 0206042 - Contracted Services - 04/29/23	4,650.80
			<b>Total</b>	<b>\$ 14,542.31</b>

## **8. Pontiac Clinton River #1 Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE PONTIAC CLINTON RIVER NO. 1 DRAIN**

May 21, 2024

1. Call meeting to order
2. Approve minutes of meeting of January 23, 2024
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$21,000
5. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$12,347.38
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

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

January 23, 2024

A meeting of the Drainage Board for the Pontiac Clinton River No. 1 Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 23<sup>rd</sup> day of January 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

ABSENT: None.

Minutes of the meeting held October 24, 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.

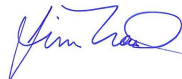
A memorandum from Geoff S. Wilson, P.E., Chief Engineer, dated January 23, 2024, requesting the Board authorize HRC to proceed with the engineering services outlined in its December 18, 2023, proposal for an amount not-to-exceed \$105,000 was presented. It was moved by Markham, supported by Woodward, to authorize HRC to proceed with the engineering services outline in its December 18, 2023, proposal for an amount not-to-exceed \$105,000 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.



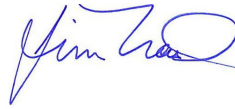
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Jim Nash, Chairperson

STATE OF MICHIGAN                    )  
  )SS.  
COUNTY OF OAKLAND                )

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Pontiac Clinton River No. 1 Drain, Oakland County, Michigan, held on the 23<sup>rd</sup> 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 Pontiac Clinton River No. 1 Drain Drainage District.



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Jim Nash, Chairperson

Dated: January 23, 2024

**OAKLAND COUNTY WATER RESOURCES COMMISSIONER**  
**MAINTENANCE ASSESSMENT RECOMMENDATION FOR THE**  
**Pontiac-Clinton River No. 1 Drain**

Assessment for current fund deficit and project plan expenses

Date last assessment approved: 09/27/22  
 Last Assessment: \$21,246  
 Current Available Cash: (\$11,723)

<b>Expenditure History:</b>	<b>Fiscal Year</b>	<b>Amount</b>
	2017	\$7,111
	2018	\$5,017
	2019	\$3,875
	2020	\$5,731
	2021	\$8,504
	2022	\$7,376
	2023	\$26,580
	2024 YTD	\$2,589

**Recommended Assessment:**

Current Cash Deficit\* \$11,723  
 Total Anticipated Expenses\*\* \$0  
 Additional Project Plan Expenses \$9,277

**TOTAL RECOMMENDED ASSESSMENT \$21,000**

\*Current Cash deficit reflects expenditures for the Pontiac Clinton River 1 Project Plan & Engineering Services

\*\*Anticipated Maintenance Expenses for 2022-2024 were previously collected with the 9/27/2022 assessment

Prepared by: Andrea Craft Date: 05/08/2024  
 Andrea Craft - Engineering Systems Coordinator

Approved by: Geoff Wilson Date: 05/08/2024  
 Geoff Wilson, P.E. - Chief Engineer

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

Note: Current Available Cash as of March 31, 2024, Fiscal Services Division Report.

\*(Less \$1,800 previously collected for special maintenance expenses, but not yet spent)



**SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE  
OF THE PONTIAC-CLINTON RIVER NO. 1 DRAIN**

<b>Public Corporation</b>	<b>*Percentage of Apportionment</b>	<b>Total Amount of Assessment</b>	<b>Payment #1</b>	<b>Payment #2</b>	<b>Payment #3</b>
City of Pontiac	97.10551%	\$ 20,392.16	\$ 20,392.16	-	-
County of Oakland on account of drainage to county highways	0.02753%	\$ 5.78	\$ 5.78	-	-
State of Michigan	2.86696%	\$ 602.06	\$ 602.06	-	-
<b>Total</b>	<b>100.000%</b>	<b>\$ 21,000.00</b>	<b>\$ 21,000.00</b>	<b>\$ -</b>	<b>\$ -</b>

\*Apportionment based on Final Order of Apportionment dated 2/14/1963.

Assessment Payment Due Date(s): Payment #1 06/30/2024

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Pontiac-Clinton River No. 1 Drain for the fiscal years 2025- 2027 in accordance with the direction of the Drainage Board and the statutory provisions applicable thereto.

\_\_\_\_\_  
Jim Nash  
Chairman of the Drainage Board for the Pontiac-Clinton River No. 1 Drain

The foregoing Special Assessment Roll for the maintenance of the Pontiac-Clinton River No. 1 Drain was approved by the Drainage Board on \_\_\_\_\_.

\_\_\_\_\_  
Jim Nash  
Chairman of the Drainage Board for the Pontiac-Clinton River No. 1 Drain

**MEMO TO:** Mr. Jim Nash, Chairman  
of the Drainage Board for the PONTIAC CLINTON RIVER # 1 DRAIN

**FROM:** Shawn Phleps, Chief of Fiscal Services  
OCWRC Accounting

*HP for Shawn Phleps*

**DATE:** May 21, 2024

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

<u>Payable to</u>	<u>Ref No.</u>	<u>For</u>	<u>Amount</u>
Fishbeck	V # SINV00178643	Invoice # 423003 - Engineering Services - 4/14/23	\$ 2,789.25
		<b>Total</b>	<b>\$ 2,789.25</b>
Hubbell, Roth & Clark, Inc	V # SINV00194834	Invoice # 020638 - Contracted Services - 04/29/23 - Proj 1-7283	\$ 4,925.85
		<b>Total Project 1-7283</b>	<b>\$ 4,925.85</b>
Hubbell, Roth & Clark, Inc	V # SINV00255651	Invoice # 214634 - Contracted Services - 02/03/24 - Proj 1-7559	\$ 205.50
Hubbell, Roth & Clark, Inc	V # SINV00254339	Invoice # 215217 - Contracted Services - 03/02/24 - Proj - 17559	4,426.78
		<b>Total Project 1-7559</b>	<b>4,632.28</b>
		<b>Total</b>	<b>\$ 12,347.38</b>

## **9. Gosling Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE GOSLING DRAIN**

May 21, 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 \$6,000
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

May 18, 2021

A meeting of the Drainage Board for the Gosling Drain was held at 2:00 p.m. on the 18<sup>th</sup> 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 July 18, 2006 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 \$8,550 for the Gosling 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 \$8,550 as presented.

ROLL CALL VOTE:

NASH: AYE  
MARKHAM: AYE  
WOODWARD: AYE

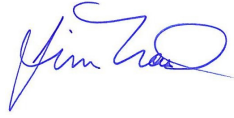
It was moved by Nash, supported by Markham, to certify attendance and authorize pro rata payment of \$25 per day to Ms. Markham and Mr. Woodward.

ROLL CALL VOTE:

NASH: AYE

MARKHAM: AYE  
WOODWARD: AYE

There being no further business, the meeting was adjourned.



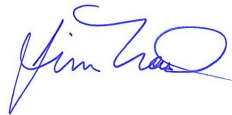
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Jim Nash, Chairperson

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 Gosling Drain, Oakland County, Michigan, held on the 18<sup>th</sup> 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 Gosling Drain.



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Jim Nash, Chairperson

Dated: May 24, 2021

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

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

Date last assessment approved:	05/18/21	
Last Assessment:		\$8,550
Current Available Cash:		\$2,160

Expenditure History:	Fiscal Year	Amount
	2017	\$2,365
	2018	\$1,306
	2019	\$1,218
	2020	\$2,339
	2021	\$2,906
	2022	\$1,251
	2023	\$1,392

Estimated Expenditures:	Year	Amount
	2024	\$2,000
	2025	\$2,000
	2026	\$2,000
	<b>Total</b>	<b>\$6,000</b>

**Recommended Assessment:**

Total Anticipated Expenses 2024 - 2026		\$6,000
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<b>TOTAL RECOMMENDED ASSESSMENT</b>		<b>\$6,000</b>
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Prepared by:	<i>Andrea Craft</i>	Date: <u>05/08/2024</u>
	Andrea Craft - Engineering Systems Coordinator	

Approved by:	<i>Geoff Wilson</i>	Date: <u>05/08/2024</u>
	Geoff Wilson, P.E. - Chief Engineer	

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

Note: Current Available Cash as of March 31, 2024, Fiscal Services Division Report.



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

<b>Public Corporation</b>	<b>*Percentage of Apportionment</b>	<b>Total Amount of Assessment</b>	<b>Payment #1</b>	<b>Payment #2</b>	<b>Payment #3</b>
Charter Township of Oakland	64.1600%	\$ 3,849.60	\$ 3,849.60	-	-
County of Oakland on account of drainage to county highways	35.8400%	\$ 2,150.40	\$ 2,150.40	-	-
<b>Total</b>	<b>100.000%</b>	<b>\$ 6,000.00</b>	<b>\$ 6,000.00</b>	<b>\$ -</b>	<b>\$ -</b>

\*Apportionment based on Final Order of Apportionment dated 12/1/1982.

Assessment Payment Due Date(s): Payment #1 06/30/2024

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Gosling 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 Gosling Drain

The foregoing Special Assessment Roll for the maintenance of the Gosling Drain was approved by the Drainage Board on \_\_\_\_\_ .

\_\_\_\_\_  
Jim Nash  
Chairman of the Drainage Board for the Gosling Drain

## **10. Augusta Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE AUGUSTA DRAIN**

May 21, 2024

1. Call meeting to order
2. Approve minutes of meeting of March 26, 2024
3. Public Comments
4. Present Memorandum from Jen Cook, P.E., Civil Engineer III, dated May 21, 2024, requesting the Board authorize the Chairperson to execute the construction contract with T.R. Pieprzak Co., Inc. for a not to exceed amount of \$852,612.88
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

March 26, 2024

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

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

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

ADOPTED: Yeas - 2  
Nays - 0

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


A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$23,824.67 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$23,824.67.

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.



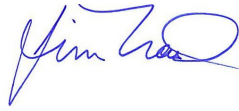
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Jim Nash, Chairperson

STATE OF MICHIGAN                    )  
  )SS.  
COUNTY OF OAKLAND                )

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Augusta Drain, Oakland County, Michigan, held on the 26<sup>th</sup> day of March 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 Augusta Drain Drainage District.



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Jim Nash, Chairperson

Dated: March 26, 2024

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

**TO:** Jim Nash, Chairperson of the Augusta Drain Drainage Board

**FROM:** Jen Cook PE, Civil Engineer III

**SUBJECT:** Augusta Drain - Norton Street Innovation Project

**DATE:** May 21, 2024

In March of 2021, the Oakland County Water Resources Commissioner's Office (WRC) was awarded American Rescue Plan Act funds administered through the Michigan Department of Environment, Great Lakes, and Energy's Clean Water State Revolving Fund program. This \$1,330,600 grant was awarded to implement green stormwater infrastructure (GSI) on a plot of land owned by the Augusta Drain Drainage District.

The GSI design was completed by Hubbell, Roth & Clark, Inc. and includes bioretention cells to capture and filter stormwater runoff collected from the road prior to entering the Augusta Drain. The key project outcomes are to:

- reduce the amount of nitrogen, phosphorus, and total suspended solids from entering the Augusta Drain and thereby the Clinton River;
- reduce flow into the Augusta Drain during large storm events by holding back a certain volume of water in the bioretention cells;
- utilize native trees and plants to beautify the space and aid in stormwater filtration; and
- create a gathering space for the local community to enjoy.

The WRC solicited proposals from contractors and evaluated them using qualification-based criteria. Of the three proposals submitted T.R. Pieprzak Co., Inc. was selected as the most qualified with a bid of \$1,696,034.74. While Pieprzak has proven expertise and resources to complete this work, its pricing exceeded the available grant funding. Subsequently, WRC staff coordinated with the contractor to value-engineer the scope of work. The team identified a reduced scope that can be completed using available funds while maintaining the level of surface water treatment committed to in the grant application, and delivering the aesthetic that was presented to the community. This reduced scope of work resulted in a new total contract price of \$852,612.88.

**Requested Action: Authorize the Chairperson to execute the construction contract with T.R. Pieprzak Co., Inc. for a not-to-exceed price of \$852,612.88.**