

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

1. Acacia Park CSO Drain
2. Birmingham CSO Drain
3. Bloomfield Village CSO Drain
4. Clinton River Water Resource Recovery Facility
5. George W. Kuhn Drain
6. Evergreen-Farmington Sanitary Sewer Drain
7. Rufe Collier Drain
8. Beechmont Drain
9. Augusta Drain
10. Tribute Drain
11. Barnard Drain
12. Douglas Drain
13. Nelson Drain
14. Page Drain
15. Quinn Drain
16. Richardson Drain
17. Roth Drain
18. Joachim Relief Drain
19. Joseph Jones Drain
20. Mainland Drain
21. Pontiac Clinton River No. 1 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, AUGUST 27, 2024**, TO CONDUCT NECESSARY AND APPROPRIATE BUSINESS OF THE DRAINAGE BOARDS. THOSE WHO WISH TO PARTICIPATE REMOTELY MAY FOLLOW THE INSTRUCTIONS ATTACHED TO THIS NOTICE. ALL BOARD MEMBERS WILL BE PARTICIPATING IN-PERSON.

DURING THE MEETING, THERE WILL BE AN AGENDA ITEM FOR PUBLIC COMMENT, DURING WHICH THE PUBLIC MAY PROVIDE INPUT OR ASK QUESTIONS OF THE BOARD. IN THE EVENT A MEMBER OF THE PUBLIC WOULD LIKE TO SUBMIT THEIR INPUT OR QUESTIONS TO BE READ AT THE MEETING BY THE BOARD CHAIRPERSON, PLEASE PROVIDE THE INPUT OR QUESTIONS IN WRITING TO STEPHANIE LAJDZIAK AT [LAJDZIAKS@OAKGOV.COM](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: August 21, 2024

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**Chapter 20 Drainage Board Meeting**  
Regular Meeting – Tuesday, August 27, 2024

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**1. Acacia Park CSO**

## **AGENDA**

### **DRAINAGE BOARD FOR THE ACACIA PARK CSO DRAIN**

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of July 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 \$39,113.04
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

July 23, 2024

A meeting of the Drainage Board for the Acacia Park CSO Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 23<sup>rd</sup> day of July 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

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

Minutes of the meeting held June 25, 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.

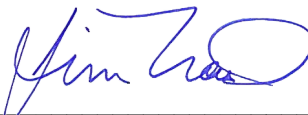
A request for reimbursement of the Evergreen Farmington Fund in the amount of \$103,519.26 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the reimbursement of the Evergreen Farmington Fund in the amount of \$103,519.26.

ADOPTED: Yeas - 2  
Nays - 0

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

ADOPTED: Yeas - 2  
Nays - 0

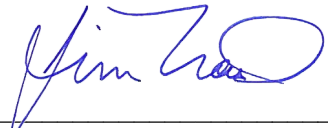
There being no further business, the meeting was adjourned.

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

STATE OF MICHIGAN                    )  
                                                  )SS.  
COUNTY OF OAKLAND                )

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Acacia Park CSO Drain, Oakland County, Michigan, held on the 23<sup>rd</sup> day of July 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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

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

Dated: July 23, 2024

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

FROM: Shawn Phelps, Chief of Fiscal Services  
OCWRC Accounting

*SP for Shawn Phelps*

DATE: August 27, 2024

SUBJECT: Request for Approval of Invoices

The following is a detail of Maintenance charges paid from the Drain Revolving Fund and Invoices for the period ending August 20, 2024

G/L Date	Ref No.	Paid To	For	Amount
8/7/2024	V # SIN00279203	Jones Chemicals Inc	Invoice # 946753 - Chlorination Supplies	\$ 9,477.84
8/7/2024	V # SIN00279207	Pipeline Management Company	Invoice # 24-01540 - Contracted Services	9,520.00
8/7/2024	V # SIN00279205	HESCO	Invoice # 242427 - Material and Supplies	2,790.00
8/2/2024	V # SIN00278298	Great Lakes Pump & Supply Co	Invoice # 76458 - Material and Supplies	7,616.00
			<b>Total</b>	<b>\$ 29,403.84</b>
	TBP	Fishbeck	Invoice # 438281 - Contracted Services - 06/7/24 - Proj 1-7646	\$ 2,515.55
	TBP	Fishbeck	Invoice # 439586 - Contracted Services - 07/5/24 - Proj 1-7646	3,816.15
	TBP	Fishbeck	Invoice # 440870 - Contracted Services - 08/2/24 - Proj 1-7646	3,377.50
			<b>Project 1-7646 Total</b>	<b>\$ 9,709.20</b>
			<b>Grand Total</b>	<b>\$ 39,113.04</b>

## **2. Birmingham CSO**



## **AGENDA**

### **DRAINAGE BOARD FOR THE BIRMINGHAM CSO DRAIN**

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of July 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 \$28,102.06
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

July 23, 2024

A meeting of the Drainage Board for the Birmingham CSO Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 23<sup>rd</sup> day of July 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 June 25, 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 reimbursement of the Evergreen Farmington Fund in the amount of \$109,761.51 (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 \$109,761.51.

ADOPTED: Yeas - 2  
Nays - 0

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

ADOPTED: Yeas - 2  
Nays - 0

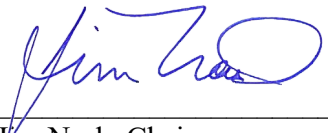
There being no further business, the meeting was adjourned.

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

STATE OF MICHIGAN                    )  
                                                  )SS.  
COUNTY OF OAKLAND                )

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Birmingham CSO Drain, Oakland County, Michigan, held on the 23<sup>rd</sup> day of July 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 Birmingham CSO Drain Drainage District.

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

Dated: July 23, 2024

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

FROM: Shawn Phelps, Chief of Fiscal Services  
OCWRC Accounting

*Handwritten signature: S for Shawn Phelps*

DATE: August 27, 2024

SUBJECT: Request for Approval of Invoices

The following is a detail of Maintenance charges paid from the Drain Revolving Fund and Invoices for the period ending August 20, 2024

G/L Date	Ref No.	Paid To	For	Amount
7/24/2024	V # SINV00276555	Shaw Service & Maintenance	Invoice # 910011005 - Contracted Services	\$ 2,884.76
8/7/2024	V # SINV00279201	JCI Jones Chemical Inc	Invoice # 946647 - Chlorination Supplies	9,322.80
8/2/2024	V # SINV00278298	Great Lakes Pump & Supply Co	Invoice # 76458 - Material and Supplies	7,616.00
			<b>Total</b>	<b>\$ 19,823.56</b>
	TBP	Fishbeck	Invoice # 438281 - Contracted Services - 06/07/24 - Proj 1-7648	3,579.50
	TBP	Fishbeck	Invoice # 439586 - Contracted Services - 07/05/24 - Proj 1-7648	2,644.00
	TBP	Fishbeck	Invoice # 440870 - Contracted Services - 08/02/24 - Proj 1-7648	2,055.00
			<b>Total Project 1-7648</b>	<b>\$ 8,278.50</b>
			<b>Grand Total</b>	<b>\$ 28,102.06</b>

### **3. Bloomfield Village CSO**

## **AGENDA**

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

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of July 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 \$24,444.25
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**

July 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 July 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 June 25, 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 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

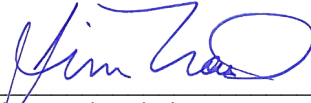
A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$17,856.89 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$17,856.89.

ADOPTED: Yeas - 2  
Nays - 0

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

ADOPTED: Yeas - 2  
Nays - 0

There being no further business, the meeting was adjourned.

  
Jim Nash, Chairperson


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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 July 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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

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

Dated: July 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 *HP for Shawn Phelps*

DATE: July 23, 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 August 18, 2024

G/L Date	Ref No.	Paid To	For	Amount
8/2/2024	V # SINV00278297	Jones Chemicals Inc	Invoice # 945832 - Chlorination Supplies	\$ 9,567.60
8/15/2024	V # SINV00281361	Jones Chemicals Inc	Invoice # 947639 - Chlorination Supplies	9,057.60
			<b>Total</b>	<b>\$ 18,625.20</b>
	TBP	Fishbeck	Invoice # 438281 - Contracted Services - 06/07/24 - Proj 1-7651	\$ 3,143.55
	TBP	Fishbeck	Invoice # 439586 - Contracted Services - 07/05/24 - Proj 1-7651	\$ 1,489.00
	TBP	Fishbeck	Invoice # 440870 - Contracted Services - 08/02/24 - Proj 1-7651	1,186.50
			<b>Total Project 1-7651</b>	<b>\$ 5,819.05</b>
			<b>Total</b>	<b>\$ 24,444.25</b>

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

## **AGENDA**

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

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of July 23, 2024
3. Public Comments
4. Present Memorandum from Razik Alsaigh, P.E., Civil Engineer III, dated August 27, 2024, requesting the Board:
  - 1) Approve and authorize the Chairperson to execute the contract assignment with Meadowbrook Inc. to provide owner's insurance coverage for the Optimization Phase I Project
  - 2) Approve and authorize the Chairperson to execute the contract amendment with Gallagher to provide owner's insurance coverage for the Optimization Phase II Project
5. Present Change Order No. 2 for Clark Construction Company for Construction of the Optimization Phase I Project for a net increase in the amount of \$8,280.00
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 \$248,413.32
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 \$61,361.21
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**

July 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 July.

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 June 25, 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.

Engineering Work Order for Jacobs Consultants, Inc. for the Optimization Phase II Project to extend Contract No. 00010731 to March 31, 2028 and increase the amount not to exceed by \$3,654,222 was presented. It was moved by Markham, supported by Nash, to approve Engineering Work Order for Jacobs Consultants, Inc. for the Optimization Phase II Project to extend Contract No. 00010731 to March 31, 2028 and increase the amount not to exceed by \$3,654,222 as presented.

ADOPTED: Yeas - 2  
Nays - 0

A memorandum from Razik Alsaigh, P.E., Civil Engineer III, dated July 23, 2024, requesting the Board authorize the Chairperson to award the contract to Clark Construction Company contingent upon securing funding and execute the contract in the amount of \$35,893,916 after funding becomes available was presented. It was moved by Markham, supported by Nash, to authorize the Chairperson to award the contract to Clark Construction Company contingent upon securing funding and execute the contract in the amount of \$35,893,916 after funding becomes available as presented.

ADOPTED: Yeas - 2  
Nays - 0

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund from the Maintenance Fund in the amount of \$356,788.80 (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 \$356,788.80.

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 \$73,898.22 (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 \$73,898.22.

ADOPTED: Yeas - 2  
Nays - 0

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

ADOPTED: Yeas - 2  
Nays - 0

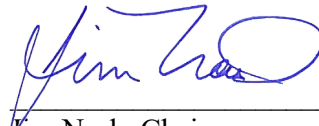
There being no further business, the meeting was adjourned.

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

STATE OF MICHIGAN                    )  
                                                  )SS.  
COUNTY OF OAKLAND                )

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Clinton River Water Resource Recovery Facility, Oakland County, Michigan, held on the 23<sup>rd</sup> day of July 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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

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

Dated: July 23, 2024

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

**TO:** Jim Nash, Chairperson  
Clinton River Water Resource Recovery Facility Drain Board

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

**SUBJECT:** CRWRRF Optimization Project – Phase II  
Meadowbrook-Gallagher Contract assignment and amendment for Construction  
Projects Insurance

**DATE:** August 27, 2023

At our request, Arthur J. Gallagher Risk Management Services, LLC. (Gallagher) provided the attached contract amendment to obtain proposals to provide owner-controlled insurance coverage for the CRWRRF Optimization Project – Phase II.

Through Meadowbrook Inc., our office has been directly obtaining project insurance for construction projects involving larger projects. Most recently, these services were successful in administering multimillion dollar construction projects. Currently, the CRWRRF Drainage Board entered into an agreement with Meadowbrook Insurance, Inc. regarding insurance for the Optimization I project. That contract was authorized by the Board on September 28, 2023.

Owner-provided insurance establishes a higher level of coverage and longer policy durations. It also empowers our staff to submit claims when needed rather than relying on a contractor to do so. Routinely, contractors do not submit claims to their insurance carriers and cloud the issue with field conditions or raise other disputes intended to place blame elsewhere. Owner-provided insurance also ensures that insurance coverage will be in place for the required amounts if there is a need to file a claim.

Gallagher recently purchased Meadowbrook Insurance, Inc. Accordingly, an existing contract assignment prepared to address assigning the current contract to Gallagher. In addition, an amendment is prepared to allow Gallagher to provide insurance to the CRWRRF Optimization II Project.

**Requested Actions:**

**1.) Approve and authorize the Chairperson to execute the contract assignment with Meadowbrook Inc. to provide owner's insurance coverage for the Clinton River Water Resource Recovery Facility Optimization Phase I Project.**

**2.) Approve and authorize the Chairperson to execute the contract amendment with Gallagher to provide owner's insurance coverage for the Clinton River Water Resource Recovery Facility Optimization Phase II Project.**



**ASSIGNMENT OF AGREEMENTS BETWEEN  
CLINTON RIVER WATER RESOURCE RECOVERY  
FACILITY DRAINAGE DISTRICT AND  
MEADOWBROOK, INC.**

This “**Amendment**” effective on \_\_\_\_\_ (the “**Effective Date**”) amends the below listed agreements, between Clinton River Water Resource Recovery Facility Drainage District (“**Owners**”) and Meadowbrook, Inc. (“**MIA**”) (the “**Agreements**”).

**WHEREAS**, the parties hereto desire to amend the Agreements to modify the MIA party name in accordance with the terms of the Agreements and subject to the terms set forth herein.

**NOW, THEREFORE**, in consideration of the foregoing and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. Definitions. Capitalized terms used and not defined in this Amendment have the respective meanings assigned to them in the Agreement.

2. List of Agreements for Assignment. The following is a list of all Agreements to be assigned under this Amendment:

(a) Contract for Insurance Consultant and Agency Services for Clinton River Water Resource Recovery Facility Optimization Phase I Project OCIP, Dated September 26, 2023.

3. Change of Party. The Agreements listed above are hereby modified to replace “**Meadowbrook, Inc.**” with “**Arthur J. Gallagher Risk Management Services, LLC (“Gallagher”)**.” Arthur J. Gallagher Risk Management Services, LLC, acknowledges and agrees that it will be solely responsible for all obligations set forth in the current Agreements.

4. Miscellaneous. The headings in this Amendment are for reference only and do not affect the interpretation of this Amendment. This Amendment constitutes the sole and entire agreement between the parties with respect to the subject matter contained herein, and supersedes all prior and contemporaneous understandings, agreements, representations, and warranties, both written and oral, with respect to such subject matter. This Amendment may be executed electronically and in counterparts, each of which is deemed an original, but all of which constitute one and the same agreement. Delivery of an executed counterpart of this Amendment electronically shall be effective as delivery of an original executed counterpart of this Amendment.

IN WITNESS WHEREOF, by signing below, each party warrants that it has the full right, power, and authority to enter into this Amendment and to perform its obligations hereunder and under the Agreements as amended.

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

**ARTHUR J. GALLAGHER RISK  
MANAGEMENT SERVICES, LLC**

By \_\_\_\_\_  
Name:  
Title:

By \_\_\_\_\_  
Name:  
Title:

## Amendment 1

This Amendment 1 ("Amendment") is effective \_\_\_\_\_, 2024 and is attached to and made part of the Contract for Insurance Consultant and Agency Services for Clinton River Water Resource Recovery Facility Optimization Phase I Project OCIP ("Agreement") effective December 1, 2023 by and between Meadowbrook, Inc. ("MIA") and Clinton River Water Resource Recovery Facility Drainage District ("OWNER"). This Amendment may refer to MIA and Owner individually as Party and collectively as Parties.

The Parties agree and acknowledge that the Agreement has been assigned to Arthur J. Gallagher Risk Management Services, LLC ("Gallagher") per the Assignment Amendment dated \_\_\_\_\_, 2024.

In consideration of the mutual covenants in this Amendment, the Parties agree the following paragraphs of the Agreement are amended as follows:

1. Proposed Projects:

The following PROPOSED PROJECTS: table is removed:

<b>Project Name</b>	<b>Bid Date</b>	<b>Construction Start</b>	<b>Years Duration</b>	<b>Construction Estimate</b>
Clinton River Water Resource Recovery Facility Optimization Phase I Project	July-2023	Dec-2023	3.5	\$30,550,434
<b>TOTAL</b>				\$30,550,434

The following PROPOSED PROJECTS: table is added:

<b>Project Name</b>	<b>Bid Date</b>	<b>Construction Start</b>	<b>Years Duration</b>	<b>Construction Estimate</b>
Clinton River Water Resource Recovery Facility Optimization Phase I Project	July-2023	May-2024	3.5	\$30,550,434
Clinton River Water Resource Recovery Facility Optimization Phase II Project	July-2024	TBD	3.5	\$35,893,916
<b>TOTAL</b>				\$66,444,350

2. Definitions:

Section 11. **PROJECTS** of the Definitions section is removed in its entirety and replaced with the following language:

11. **PROJECTS.** Clinton River Water Resource Recovery Facility Optimization Phase I Project; and Clinton River Water Resource Recovery Facility Optimization Phase II Project

3. Section C - Compensation for Consulting Services and Term of Projects

Section C is modified by adding the following language to the bottom of subsection "1. Compensation":

Fee Installments

Phase I Project Compensation:

Owners pay Gallagher \$130,000 annually beginning on May 6, 2024 and following in each subsequent year thereafter. The installment fee shall be prorated for any partial years.

Phase II Project Compensation:

Marketing and Setup Fee – a one time, lump sum fee to be billed at execution of this Amendment: \$25,000

Owners pay Gallagher \$30,000 annually beginning upon the inception of construction for the Phase II Project and following in each subsequent year thereafter. Upon completion of the Phase I Project, the Phase II Project annual fee will be \$160,000 throughout completion of the Project. The installment fee shall be prorated for any partial years.

All other terms and conditions of the Agreement remain unchanged. Capitalized terms used and not defined in this Amendment have the respective meanings assigned to them in the Agreement. The headings in this Amendment are for reference only and do not affect the interpretation of this Amendment. This Amendment constitutes the sole and entire agreement between the parties with respect to the subject matter contained herein, and supersedes all prior and contemporaneous understandings, agreements, representations, and warranties, both written and oral, with respect to such subject matter. This Amendment may be executed electronically and in counterparts, each of which is deemed an original, but all of which constitute one and the same agreement. Delivery of an executed counterpart of this Amendment electronically shall be effective as delivery of an original executed counterpart of this Amendment.

The Parties have caused this Amendment to be executed by its authorized representatives.

SIGNATURE PAGE FOLLOWS

IN WITNESS WHEREOF, the parties hereto have executed this Amendment as of the day and year first referenced in this Amendment.

WITNESSES:

Arthur J. Gallagher Risk Management Services,  
LLC

Clinton River Water Resource Recovery Facility  
Drainage District

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By: Michael Miller

Its: Area President -  
Michigan

---

By: Jim Nash

Its: Chairperson

**CHANGE ORDER NO. 2**

**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
2-1	<b>LOCATION:</b> Clinton River Water Resource Recovery Facility - New Main Electrical Building (MEB)					
2-1	<b>DESCRIPTION (Extra/Add):</b> Provide revisions to MEB PLC panel per description in drawing included in attached Bulletin#2 dated May 7, 2024.	LS	1.0	\$8,280.00	\$8,280.00	---

**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>The panel revisions will provide additional conveniences during startup and in the future. These additions consist of redundant power supplies to maintain control power to instrumentation if the main power supply fails, providing a convenient way to remove the UPS and quickly restore power inside the panel, as well as supply space and a power outlet for a laptop. This work also permits future expansion and provides a heater in the event HVAC fails, which could result in condensation or frost inside the panel.</p>					
Totals					\$8,280.00	\$0.00
Net Increase					\$8,280.00	---

CHANGE ORDER

CHANGE ORDER NO. 2

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: 08/15/2024

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

Date: 8/15/24

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


Date: 8/19/2024

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

Accepted by: Karen M. Middleton   
Colt Odeh - Project Executive  
Clark Construction Company

Digitally signed by Karen M. Middleton  
DN: C=US, E="KMiddleton@ClarkCC.com", OU=Clark  
Construction, CN=Karen M. Middleton  
Date: 2024.08.15 10:42:54-04'00'

Date: 8/15/2024

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

Date: August 19, 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. 2

**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:	\$ 93,248.00
Change Order No. 2 Value	\$ 8,280.00
<b>Adjusted Contract Value</b>	<b>\$ 30,651,962.00</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

*HP for Shawn Phelps*

**DATE:** August 27, 2024

**SUBJECT:** Request for Approval of Invoices

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

Payable To	Ref No.	For	Amount
USA Blue Book	PC00038311	Pcard - Lab Supplies # INV00448183	\$ 1,207.38
USA Blue Book	PC00038306	Pcard - Lab Supplies # INV00451283	2,060.26
USA Blue Book	PC00038295	Pcard - Lab Supplies # INV00440409	3,715.05
Nalco Water Company LLC	PC00038079	Pcard - Lab Supplies	1,896.47
Ubiquiti Store USA	PC00038161	Invoice # US1326035 - Materials and Supplies	2,704.00
Grainger	PC00037141	Pcard - Equipment Maintenance #888150390	1,361.58
USA Blue Book	PC00037129	Pcard - Lab Supplies # INV00423870	1,953.33
Bob Barker	PC00037260	Pcard - Materials and Supplies #CS87752	1,509.00
CSM Mechanical LLC	V # SINV00277383	Invoice # 3645 - Contracted Services	6,120.00
D3W Industries	V # SINV00276549	Invoice # 4627 - Material and Supplies	5,720.00
D3W Industries	V # SINV00282422	Invoice # 4657 - Material and Supplies	5,720.00
D3W Industries	V # SINV00282425	Invoice # 4681 - Material and Supplies	5,720.00
Eurofins Environment Testing	V # SINV00276553	Invoice # 1900055110 - Lab Fees	1,054.70
Eurofins Environment Testing	V # SINV00278303	Invoice # 1900055189 - Lab Fees	1,054.70
Haviland Products Company	V # SINV00275498	Invoice # 511597 - Chemical Treatment	11,525.00
Haviland Products Company	V # SINV00275479	Invoice # 511773 - Chemical Treatment	3,219.00
Haviland Products Company	V # SINV00277386	Invoice # 512360 - Chemical Treatment	6,420.00
Haviland Products Company	V # SINV00277399	Invoice # 512565 - Chemical Treatment	6,325.00
Haviland Products Company	V # SINV00278630	Invoice # 513080 - Chemical Treatment	7,498.54
Haviland Products Company	V # SINV00280265	Invoice # 513695 - Chemical Treatment	6,020.17
Haviland Products Company	V # SINV00280266	Invoice # 514406 - Chemical Treatment	2,220.00
Haviland Products Company	V # SINV00281262	Invoice # 514700 - Chemical Treatment	6,051.00
Idexx Distribution Inc	V # SINV00279200	Invoice # 3157358604 - Lab Supplies	1,075.52
Lamphere's Tree Services	V # SINV00278301	Invoice # 18879 - Contracted Services	2,250.00
LaSalle Agri Inc	V # SINV00280268	Invoice # 35 - Land Application	47,092.50
PVS Technologies Inc	V # SINV00277440	Invoice # 361081 - Chemical Treatment	2,794.44
PVS Technologies Inc	V # SINV00278633	Invoice # 361682 - Chemical Treatment	2,250.60
PVS Technologies Inc	V # SINV00280282	Invoice # 361997 - Chemical Treatment	3,821.40
PVS Technologies Inc	V # SINV00280283	Invoice # 362024 - Chemical Treatment	5,529.48
PVS Technologies Inc	V # SINV00281793	Invoice # 362482 - Chemical Treatment	2,752.20
Saber Building Services Inc	V # SINV00280284	Invoice # 45105 - Contracted Services - Aug 2024	1,800.00
United Lawnscape	V # SINV00278302	Invoice # UE 609855 - Contracted Services	4,233.60
United Lawnscape	V # SINV00280286	Invoice # UE 614051 - Contracted Services	4,704.00
United Lawnscape	V # SINV00282427	Invoice # UE 614052 - Contracted Services	2,428.00
US Geological Survey	V # SINV00277186	Invoice # 91176896 - Stream Gauge Program	3,096.50
Waste Management	V # SINV00280289	Invoice # 8773114 -1714-2 Garbage & Rubbish Disposal	1,681.32
Rotor Electric Company of Michigan LLC	TBP	Invoice # RFC 27318 5-3-24 - Contracted Services	4,209.00
			<b>Subtotal \$ 180,793.74</b>
Jacobs	TBP	Invoice # C6A21702-6 - Engineering & Survey - Proj # 1-7515	\$ 14,339.58
Dickinson Wright PLLC	TBP	Invoice # 1944720 - Legal Services - 06/30/24 - Proj # 1-7515	\$ 434.50
			<b>Subtotal - Project 1-7515 \$ 14,774.08</b>
CDW Government	V # SINV00275153	Invoice # SH48897 - Material and Supplies - Proj # 1-7048	\$ 3,177.80
CDW Government	V # SINV00274903	Invoice # SJ01002 - Material and Supplies - Proj # 1-7048	2,377.23
			<b>Subtotal - Project 1-7048 \$ 5,555.03</b>

Jacobs Consultant, Inc	V # SINV00281263	Invoice # C6A19600-15 - Professional Services - 07/26/24 - Proj # 1-7550	\$	4,874.24
		<b>Subtotal - Project 1-7550</b>	<b>\$</b>	<b>4,874.24</b>
Tetra Tech, Inc	V # SINV00280285	Invoice # 52266696 - Engineering & Survey - 06/28/24 - Proj # 1-7571	\$	6,150.00
Tetra Tech, Inc	V # SINV00282489	Invoice # 52290936 - Engineering & Survey - 07/26/24 - Proj # 1-7571	\$	1,225.00
		<b>Subtotal - Project 1-7571</b>	<b>\$</b>	<b>7,375.00</b>
OHM Advisors	V # SINV00280317	Invoice # 78180 - Professional Services - 7/20/24 Proj # 1-7047	\$	393.00
		<b>Subtotal - Project 1-7047</b>	<b>\$</b>	<b>393.00</b>
Cambi Inc	V # SINV00280261	Invoice # 609810-SP-039 - Material and Supplies - Proj # 1-3485	\$	5,100.00
		<b>Subtotal - Project 1-3485</b>	<b>\$</b>	<b>5,100.00</b>
Cambi Inc	V # SINV00280264	Invoice # 609810-SP-042 - Material and Supplies - Proj # 1-3492	\$	5,425.96
Cambi Inc	V # SINV00281258	Invoice # 609810-SP-044 - Material and Supplies - Proj # 1-3492	\$	1,606.15
		<b>Subtotal - Project 1-3492</b>	<b>\$</b>	<b>7,032.11</b>
Cambi Inc	V # SINV00280262	Invoice # 609810-SP-040 - Material and Supplies - Proj # 1-3470	\$	5,147.00
Cambi Inc	V # SINV00280263	Invoice # 609810-SP-041 - Maintenance Supplies - Proj # 1-3470	\$	1,393.48
Cambi Inc	V # SINV00281235	Invoice # 609810-SP-043 - Maintenance Supplies - Proj # 1-3470	\$	8,255.58
Cambi Inc	V # SINV00281260	Invoice # 609810-SP-045 - Material and Supplies - Proj # 1-3470	\$	1,594.51
		<b>Subtotal - Project 1-3470</b>	<b>\$</b>	<b>16,390.57</b>
Hubbell Roth & Clark Inc	TBP	Invoice # 0219117 - Engineering & Survey -07/20/24 - Proj 1-3679	\$	6,125.55
		<b>Subtotal - Project 1-3679</b>	<b>\$</b>	<b>6,125.55</b>
		<b>Total</b>	<b>\$</b>	<b>248,413.32</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:** August 27, 2024

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

	Ref No.	For	Amount
CDM Smith, Inc	V # SINV00281269	Invoice # 90211869 - Engineering & Survey - 07/27/24 - Proj 1-2181	\$ 2,406.59
		<b>Total for Project # 1-2181</b>	<b>\$ 2,406.59</b>
Jacobs Consultant, Inc	V # SINV00281270	Invoice # C6A21700-19- Engineering and Survey - 07/26/24 - Proj # 1-7461	\$ 58,954.62
		<b>Total for Project # 1-7461</b>	<b>\$ 58,954.62</b>
		<b>Total</b>	<b>\$ 61,361.21</b>

## **5. George W. Kuhn Drain**

## AGENDA

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

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of July 23, 2024
3. Public Comments
4. Present Memorandum from George Nichols. P.E., Assistant Chief Engineer, dated August 27, 2024, requesting the Board authorize the Fiscal Services Manager to sign the Self-Certification of Financial Capability document on behalf of the Board for the Drainage District and authorize the allocation of \$95,000 from the GWK Sewage Disposal Fund
5. Present Memorandum from George Nichols. P.E., Assistant Chief Engineer, dated August 27, 2024, requesting the Board retain the services of Hubbell, Roth, & Clark, Inc. to proceed with establishing plans and specifications for the 2025 GWK Sewer Cleaning and Inspection Project for the not-to-exceed amount of \$90,840 and authorize the Chairperson to execute the proposal on behalf of the Board
6. Present Change Order No. 1 for TSP Services Inc. for Construction of the GWK Parking Lot and Green Infrastructure Project for a net increase in the amount of \$1,970.60
7. Present Construction Estimate No. 3 for TSP Services Inc. for Construction of the GWK Parking Lot and Green Infrastructure – Phase 1 in the amount of \$202,716.24 with a transfer to the Oakland County Treasurer in the amount of \$7,636.09
8. Present Construction Estimate No. 2 for Rolls Mechanical for Construction of the HomeGuard Program in the amount of \$54,561.50
9. Present Construction Estimate No. 3 for Pipeline Management Company for Construction of the 2024 GWK Sewer Cleaning and Inspection in the amount of \$49,376.93 with a transfer to the Oakland County Treasurer in the amount of \$7,846.56
10. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$110,129.06
11. Other business
12. Approve pro rata payment to Drainage Board members
13. Adjourn

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

July 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 July 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 June 25, 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.

Patrick Kennedy with Meadowbrook Insurance Agency presented a proposal for the renewal of the District's coverage for Public Officials Liability, General Liability, Excess Liability and Pollution Liability insurance policies. He noted that a 4.8% increase was negotiated and that was a reasonable increase for the current market. Mr. Kennedy also advised that Meadowbrook was acquired by Gallagher and their documents will slowly transition from Meadowbrook to Gallagher. It was moved by Markham, supported by Nash, to approve and bind the insurance policy recommendation as presented, authorize the Chairperson to execute the coverage documents and authorize payment of the premium and related invoices.

ADOPTED: Yeas - 2  
Nays - 0

A memorandum from Steve Korth, P.E., Chief Manager, dated July 23, 2024, requesting the Board distribute GLWA Highland Park Bad Debt Recovery credit directly to the Drainage District's customers in the amount shown in the supporting documentation was presented. It was moved by Markham, supported by Nash, to distribute GLWA Highland Park Bad Debt Recovery credit directly to the Drainage District's customers in the amount shown in the supporting documentation as presented.

ADOPTED: Yeas - 2  
Nays - 0

A memorandum from Jen Cook P.E., Civil Engineer III, dated July 23, 2024, requesting the Board receive and file the HomeGuard Program update was presented. It was moved by Markham, supported by Nash, to receive and file the HomeGuard Program update as presented.

ADOPTED: Yeas - 2  
Nays - 0

Change Order No. 1 for Rolls Mechanical for Construction of the HomeGuard Program for a net decrease in the amount of \$14.00 was presented. It was moved by Markham, supported by Nash, to approve Change Order No. 1 for Rolls Mechanical for Construction of the HomeGuard Program for a net decrease in the amount of \$14.00 as presented.

ADOPTED: Yeas - 2  
Nays - 0

Construction Estimate No. 1 for Rolls Mechanical for Construction of the HomeGuard Program in the amount of \$3,450.00 was presented. It was moved by Markham, supported by Nash, to approve Construction Estimate No. 1 for Rolls Mechanical for Construction of the HomeGuard Program in the amount of \$3,450.00 as presented.

ADOPTED: Yeas - 2  
Nays - 0

Construction Estimate No. 2 for TSP Services Inc. for construction of the GWK Parking Lot and Green Infrastructure – Phase 1 in the amount of \$71,104.74 with a transfer to the Oakland County Treasurer in the amount of \$7,900.53 was presented. It was moved by Markham, supported by Nash, to approve Construction Estimate No. 2 for TSP Services Inc. for construction of the GWK Parking Lot and Green Infrastructure – Phase 1 in the amount of \$71,104.74 with a transfer to the Oakland County Treasurer in the amount of \$7,900.53 as presented.

ADOPTED: Yeas - 2  
Nays - 0

Construction Estimate No. 2 for Pipeline Management Company for Construction of the 2024 GWK Sewer Cleaning and Inspection in the amount of \$78,748.74 with a transfer to the Oakland County Treasurer in the amount of \$8,749.86 was presented. It was moved by Markham, supported by Nash, to approve Construction Estimate No. 2 for Pipeline Management Company for Construction of the 2024 GWK Sewer Cleaning and Inspection in the amount of \$78,748.74 with a transfer to the Oakland County Treasurer in the amount of \$8,749.86.

ADOPTED: Yeas - 2  
Nays - 0

Construction Estimate No. 3 for Doetsch Environmental Services for Construction of the 2023 GWK Sewer Cleaning and Inspection in the amount of \$70,677.50 was presented. It was moved by Markham, supported by Nash, to approve Construction Estimate No. 3 for

Doetsch Environmental Services for Construction of the 2023 GWK Sewer Cleaning and Inspection in the amount of \$70,677.50 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 \$159,934.64 (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 \$159,934.64.

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 July 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: July 23, 2024

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

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

**FROM:** George P. Nichols, P.E., Assistant Chief Engineer *GPN*

**SUBJECT:** U.S. Army Corp of Engineers funds available for 2025 GWK Sewer Cleaning and Inspection

**DATE:** August 27, 2024

The U.S. Army Corp of Engineers (USACE) has offered the opportunity to capture \$285,000 of available funds from previous accounts that are no longer being used. In order to obtain this money, a 25% match contribution is required from the George W. Kuhn Drain Drainage District (GWK) Sewage Disposal Fund in the amount of \$95,000.

The recommended best use of this money is for the 2025 GWK Sewer Cleaning and Inspection project, which consists of the Twelve Towns South Drain. This drain consists of approximately 109,552 feet of sewer with an estimated project total of \$1,044,000.

Based on discussions with the USACE, it was proposed that GWK Drainage District would hire its own engineering consultant to design and provide construction administration services for the project and submit invoices to the USACE to offset the \$95,000 match. The USACE would administer the project regarding bidding and hiring the contractor to perform the work. The Water Resources Commissioner's office would provide onsite inspection services. Once all the federal funding has been used, the GWK Drainage District would then reimburse the USACE to cover the remaining cost.

The Army Corps of Engineers is requiring a letter of intent and a Self-Certification of Financial Capability document to acknowledge our involvement and acceptance of the terms and conditions. The GWK Drainage District Sewage fund has the necessary funds available to participate in this project.

**Requested Action: Authorize the Fiscal Services Manager to sign the Self-Certification of Financial Capability document on behalf of the Drainage Board for the George W. Kuhn Drain and authorize the allocation of \$95,000 from the GWK Sewage Disposal Fund.**

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

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

**FROM:** George P. Nichols, P.E., Assistant Chief Engineer *GPN*

**SUBJECT:** 2025 George W. Kuhn Sewer Cleaning and Inspection Program Fund #58510

**DATE:** August 27, 2024

Staff, including the asset management group, staff engineers, and engineering consultants are continually making recommendations for cleaning and televising the sewers within the George W. Kuhn Drain.

Based on review of the past sewer evaluations, along with discussion with the U.S. Army Corp of Engineers (USACE), the establishment of the 2025 GWK Sewer Cleaning and Inspection project is recommended. The drain that would be bid under this program is the Twelve Towns South Branch as shown on the attached map. Discussions with the engineering consulting firm, Hubbell, Roth & Clark, Inc. (HRC) have taken place to assist in this phase of the 5-year Capital Improvement Plan. As outlined in its June 26, 2024 proposal letter, the firms scope of services include:

- Design Engineering
  - Preparation of Bid Documents
  - Local Municipality Coordination of Permits
  - Bidding Administration Assistance
- Construction Administration
  - Meetings
  - Review of Contractor Submitted Information
  - Contract Administration
  - Contract Change Management
  - Condition Assessment of Sewer Segments
  - Project Closeout Activities

Staff has reviewed HRC's proposal and feel confident that it will provide the needed services to complete the design engineering and construction administration services for the 2025 GWK Sewer Cleaning and Inspection project. In order to proceed with this project, authorization of \$90,840 is needed from the Drainage Board. The GWK Drainage District Sewage Disposal fund has the necessary funds available to participate in this project.

**Requested Action: Retain the services of Hubbell, Roth & Clark, Inc. to proceed with establishing plans and specifications for the 2025 GWK Sewer Cleaning and Inspection project for the not to exceed amount of \$90,840 and authorize the Chairperson to execute the proposal on behalf of the Drainage Board.**





June 26, 2024

Oakland County Water Resources Commissioner  
One Public Works Drive  
Waterford, Michigan 48328

Attn: Mr. George Nichols, P.E., Civil Engineer III  
Re: George W. Kuhn Drain Drainage District  
Proposal for Design and Construction Engineering Services  
2025 GWK Sewer Cleaning and Inspection

HRC Job No. 20240493

Dear Mr. Nichols:

As requested, HRC is pleased to provide this proposal for engineering assistance related to the condition assessment of the George W. Kuhn Drain (GWK) for year 2025, as part of WRC's effort under the 5-year capital improvement plan. We would propose that these services be provided under the terms and conditions of our existing Engineering Services Contract. As requested, this proposal includes both design and construction administration services.

### **Background**

The office of the Oakland County Water Resources Commissioner (OCWRC) owns, operates, and maintains the GWK Drain, which is located in Oakland County that conveys combined sewage from 14 communities. The WRC completed inspection of four (4) drain branches in the 2023 program and has recently started eight (8) drain branches for the 2024 program. As part of an ongoing effort for the WRC's five (5) year capital improvement plan, it is our understanding that the WRC would like to clean and inspect additional branches of the GWK Drain for 2025. This project is anticipated to utilize grant funding made available by the United States Army Corps of Engineers (USACE). It is our understanding that the WRC will be handling all correspondence and contract administration related to grant funding with the USACE.

### **Scope of Services – Design Engineering**

- **Preparation of Bid Documents**  
This task will include preparing contract documents for bidding purposes in order to select a qualified contractor to complete sanitary sewer inspection and cleaning services. HRC will work with the WRC to determine which sections of the GWK will be cleaned and inspected for this program based on project goals. HRC would expect that the level of effort and scope would be similar to the 2023 and 2024 GWK project recently bid. The quantities included in the bid documents will be estimated based on the Drain segments determined by the WRC. Project specifications will be prepared using WRC standard contract documents and HRC specifications. Detailed maps will not be generated based on topographic surveys, but base-maps such as WRC Quarter-Section utility maps will be used with supplemental notes pertaining to the project. In addition, HRC will prepare a cover sheet and other necessary details for the project drawings.
- **Local Municipality Coordination of Permits**  
The GWK Drain encompasses fourteen (14) different communities and several roadway agencies. Based on the specific locations of the drains selected for the 2025 project, HRC will review the required permits for the local communities and incorporate hydrant-use information in the plans and specifications. In addition, HRC will obtain contact information for communities where sewer cleaning and inspection is being performed.
- **Bidding Administration Assistance**  
HRC will prepare contract documents for purchase (if required) to prospective bidders, answer bidder questions, prepare addenda, attend a bid opening, assist the WRC in evaluating bids that are received, generate a bid tabulation, and review a Notice of Intent to Award letter.

## **Scope of Services – Construction Administration**

- **Meetings**  
HRC will attend and prepare summary meeting notes for the pre-construction meeting for the 2025 GWK Sewer Cleaning and Inspection Project. HRC will also attend up to two (2) construction progress meetings as required.
- **Review of Contractor Submitted Information**  
HRC will assist WRC in the review of Contractor-submitted information such as insurance, schedule(s), certifications, etc. to assure they are compliant with the contracting requirements. HRC will respond to RFIs that come up during the project as necessary.
- **Contract Administration**  
HRC will coordinate with both the WRC Project Engineer and contractor to issue necessary work directives, field orders or RFQs to document agreed upon changes in project scope. HRC will assist in reviewing inspection reports provided by WRC's RPR, including tracking construction quantities for inspection video. HRC will request these reports on a bi-weekly basis or as determined by WRC. This will be required so that HRC may verify the contractor is meeting the contract specifications, track quantities and changes to the scope and or schedule. By tracking the job in this manner, HRC will be prepared to discuss any potential change requests from the contractor. HRC will advise and consult project objectives and interpret Contract documents. HRC will assign a project engineer to assist the WRC Project Engineer in the coordination of construction activities with appropriate parties involved in the project.
- **Contract Change Management**  
In the circumstance that there are additional costs developing in the project, HRC may assist in the coordination between the contractor and WRC Project Engineer. HRC will assist the WRC in the development of change orders for the project and review information as requested by the WRC Project Engineer. It is our understanding that Heavy Sewer Cleaning will be authorized by WRC under the terms of Time and Material rates defined in WRC's blanket contract. Therefore, HRC would request documentation of the established rates in order to file change orders through this project.
- **Condition Assessment of Sewer Segments**  
HRC will review the sewer inspection video obtained during construction. All videos will be reviewed by a Professional Engineer or a National Association of Sewer Service Companies (NASSCO) Pipeline Assessment Certification Program (PACP) Certified staff member. HRC will log CCTV attributes in the supplied spreadsheet by WRC and will provide rehabilitation or repair recommendations. HRC will review each sewer asset and respond with one or more of the following recommendations: Excavating Point Repair, Chemical Injection Grouting/Leak Sealing, Internal Lining (Cured-in-place, Geopolymer, or similar) Full Replacement, and Review Video. Since a large percentage of the GWK Drain is considered large diameter sewer, careful review and special rehabilitative methods will be considered. In addition, HRC's capital improvement recommendations will be summarized in a letter or report after all segments are reviewed.
- **Project Closeout Activities**  
HRC will provide assistance in coordinating contract closeout activities including reviewing Final Payment, reviewing final declaration, waivers, and other contract documents as required.

### **SERVICES NOT INCLUDED**

- Resident Communications
- Coordination/Correspondence pertaining to heavy sewer cleaning, bypass pumping, or other technical designs required for construction.

- Daily Correspondence and/or Coordination with WRC Observation Staff.
- Daily Coordination among Local Municipalities in the Project Area
- Full-Time Construction Observation
- Preparation of project punch list
- Preparation of record drawings
- Grand Funding Administration / Disbursement Requests / and Related Correspondence.

### **Fees for Services**

Based on the scope of services described above, our understanding of the necessary effort, and the WRC's expectations, we propose to perform this work for a not-to-exceed budget amount of **\$90,800**. A breakdown of costs is included as an attachment to this proposal.

This amount will not be exceeded without a change in project scope and prior written authorization. We propose to invoice the WRC for the actual hours incurred based on our standard hourly billing rates.

### **Anticipated Project Schedule**

HRC understands that federal grant funding is being allocated through the U.S. Army Corps of Engineers, and therefore HRC will remain flexible with project scheduling to meet the needs of both the WRC and the project management requirements of the U.S. Army Corps. Therefore, no listed dates for bidding are stated in this section, but based on discussions the WRC is looking to bid in the Fall of 2024 and start drain cleaning in 2025.

### **Personnel**


Daniel Mitchell, P.E., President, will serve as Principal-in-Charge of this project and provide oversight. This project will be managed by Sally Duffy, P.E. with oversight by Karyn Stickel, P.E. HRC will provide staffing needs from our Asset Management and GIS Departments.

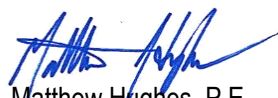
If this proposal is accepted, please sign and return a scanned copy of this proposal which will serve as our formal authorization to proceed.

If you have any questions or require any additional information, please contact the undersigned.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.

  
Sally Duffy, P.E.  
Manager

  
Matthew Hughes, P.E.  
Project Engineer

SLD/mgh

Attachment: (1) Cost Table

pc: HRC; D. Mitchell, K. Stickel, File  
WRC; E. Bantios, J. Say, File



Accepted By:

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

Written Name: \_\_\_\_\_

Title: \_\_\_\_\_

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



**COST ESTIMATE - ESTIMATED LABOR AND FEES**  
**2025 GWK Sewer Cleaning and televising**  
**Design and Construction Engineering**

June 28, 2024  
HRC Job No. 20240493

Task Description	Senior Associate / Partner		Manager		Project Engineer		Grad Engineer I		Total	TOTAL COST
	\$	200.00	\$	170.00	\$	140.00	\$	100.00	Hours	
	Hours	Cost			Hours	Cost	Hours	Cost		
<i>Design Engineering</i>										
Kickoff Meeting	4	\$ 800.00	4	\$ 680.00	4	\$ 560.00	6	\$ 600.00	18	\$ 2,640.00
Design Engineering	2	\$ 400.00	15	\$ 2,550.00	40	\$ 5,600.00	50	\$ 5,000.00	107	\$ 13,550.00
Permits/Local Municipality Coordination	2	\$ 400.00	4	\$ 680.00	35	\$ 4,900.00	40	\$ 4,000.00	81	\$ 9,980.00
Bidding Administration Assistance	4	\$ 800.00	20	\$ 3,400.00	40	\$ 5,600.00	40	\$ 4,000.00	104	\$ 13,800.00
<i>Contract/Construction Administration</i>										
Pre-Construction Meeting and Prep	2	\$ 400.00	6	\$ 1,020.00	6	\$ 840.00	2	\$ 200.00	16	\$ 2,460.00
Progress Construction Meetings	2	\$ 400.00	16	\$ 2,720.00	16	\$ 2,240.00	6	\$ 600.00	40	\$ 5,960.00
Construction Administration Assistance	8	\$ 1,600.00	20	\$ 3,400.00	60	\$ 8,400.00	20	\$ 2,000.00	108	\$ 15,400.00
Condition Assessment Review & Report	4	\$ 800.00	15	\$ 2,550.00	80	\$ 11,200.00	125	\$ 12,500.00	224	\$ 27,050.00
	<b>28</b>	<b>\$ 5,600.00</b>	<b>100</b>	<b>\$ 17,000.00</b>	<b>281</b>	<b>\$ 39,340.00</b>	<b>289</b>	<b>\$ 28,900.00</b>	<b>698</b>	<b>\$ 90,840.00</b>

CHANGE ORDER NO. 1

**Jim Nash, Oakland County Water Resources Commissioner  
 George W. Kuhn Drain Drainage District  
 For Construction of the GWK Parking Lot and Green Infrastructure Project  
 Madison Heights, Michigan  
 Oakland County, Michigan**

Authorization for Extras To & Changes In Contract

Department No. : CCN6010101

Account No. : 730373

Fund No. : FND58520

Program No. : 149667

Project No. : PRJ-13484

Project Activity : STD

Purchase Order No: PO00058359

Contractor : TSP Services, Inc.  
 25000 Capitol  
 Redford, MI 48239

Contract No. : 10860  
 Date of Contract: 4/17/24  
 Completion Date: 4/16/26

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
1-1	<p><b>LOCATION:</b> GWK New Parking Lot</p> <p><b>DESCRIPTION (Extra/Add):</b> Install 60 LF of 6" diameter perforated socked edge drain with pea-stone channel and tap existing drain structure to tie in.</p> <p><b>REASON:</b> Site conditions required drainage tile be installed beneath concrete to improve soil drainage.</p>	Ea	1.0	\$1,970.60	\$1,970.60	---
<b>Totals</b>					\$1,970.60	\$0.00
<b>Net Increase</b>					\$1,970.60	---

**JIM NASH  
 OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

CHANGE ORDER NO. 1

Jim Nash, Oakland County Water Resources Commissioner  
George W. Kuhn Drain Drainage District  
For Construction of the GWK Parking Lot and Green Infrastructure Project  
Madison Heights, Michigan  
Oakland County, Michigan

Prepared by: Lesli Maes Date: 08/15/24  
Lesli Maes, P.E. - Project Engineer

Recommended by: [Signature] Date: 08/15/24  
Jamie Burton, P.E. - Consultant

Approved by: Evangelos Bantios Date: 8-15-2024  
Evans Bantios, P.E. - Chief Engineer

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

Accepted by: Charles Spencer Date: 8-15-2024  
Charles Spencer, P.E.  
TSP Services, Inc.

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

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

This Change Order was approved by the Drainage Board on:

CHANGE ORDER

CHANGE ORDER NO. 1

**Jim Nash, Oakland County Water Resources Commissioner  
George W. Kuhn Drain Drainage District  
For Construction of the GWK Parking Lot and Green Infrastructure Project  
Madison Heights, Michigan  
Oakland County, Michigan**

Notice to Proceed Date:	4/17/2024
Contract Substantial Completion Date:	10/31/2024
Contract Final Completion Date:	4/16/2026
Original Contract Value:	\$359,392.00
Previous C.O. Values:	\$0.00
Change Order No. 1 Value	\$1,970.60
<b>Adjusted Contract Value</b>	<b>\$361,362.60</b>

**Jim Nash, Oakland County Water Resources Commissioner  
 GWK Drain Drainage District  
 For Construction of the GWK Parking Lot and Green Infrastructure - Phase I  
 Madison Heights  
 Oakland County, Michigan**

Construction Estimate No. 3

July 1, 2024 to July 31, 2024

Department No.: 6010101  
 Fund No.: 58520  
 Project No.: 13484  
 Purchase Order No. : PO00058359

Account No.: 730373  
 Program No.: 149667  
 Activity: STD  
 Vendor No. : 22413  
 Contract No. : 10860  
 Date of Contract: 4/17/2024  
 Completion Date: 4/16/2026

Contractor:  
 TSP Services, Inc.  
 25000 Capitol  
 Redford, MI 48239



Original Contract Amount: \$395,392.00

Previous Change Order Numbers (none): \$0.00

Change Orders This Estimate Number 1-1: \$1,970.60

Total Net Change Orders: \$1,970.60

Adjusted Contract Amount: \$397,362.60



Subtotal To Date: (Sheet 2 of 2 Column 7) \$332,672.70

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

Gross Estimate: (Work in Place) 83.72% \$332,672.70

Less Amount Reserved: (5% of Adjusted Contract Amount) \$19,868.13



Total Amount Allowed To Date: \$312,804.57

Less Previous Estimates: \$110,088.33

Net Payment Request To Be Paid To Contractor: \$202,716.24

Reserve Payment to Contractor \$0.00

Balance of Contract To Date  \$64,689.90 Accounting Auditor: *BCR* 8/16/2024

Less Previous Transfers To Reserve: \$12,232.04



Amount of Current Transfer: \$7,636.09

Prepared by: *Lesli Maes*  
 Lesli Maes, P.E. - Project Engineer

Date: 08/15/24

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

Date: 01/19/24

Approved by: *Evangelos Bantios*  
 Evans Bantios, P.E. - Chief Engineer

Date: 8-15-2024

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

**Jim Nash, Oakland County Water Resources Commissioner  
 GWK Drain Drainage District  
 For Construction of the GWK Parking Lot and Green Infrastructure - Phase I  
 Madison Heights  
 Oakland County, Michigan**

Construction Estimate No. 3		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Contract Item	Bid Quantity	Unit	Unit Price	Quantity This Payment	Total Quantity Previous Estimate	Total Quantity to Date	Total Amount to Date	Total Amount This Payment
1	Permit Allowance	2,500	Dlr	\$ 1.00	0.0	175.1	175.1	\$175.10	\$0.00
2	Mobilization (Max 5%)	1	LS	\$ 18,000.00	0.0	1.0	1.0	\$18,000.00	\$0.00
3	Dr Structure Cover, Rem and Salv	1	Ea	\$ 300.00	0.0	1.0	1.0	\$300.00	\$0.00
4	Curb and Gutter, Rem	31	Ft	\$ 65.00	0.0	31.0	31.0	\$2,015.00	\$0.00
6	Subgrade Undercutting, Type IV, Modified	50	Cyd	\$ 50.00	18.04	0.0	18.0	\$902.00	\$902.00
7	Site Grading	1	Ac	\$ 10,000.00	0.0	0.8	0.8	\$7,800.00	\$0.00
8	Erosion Control, Gravel Access Approach	1	Ea	\$ 2,500.00	0.0	1.0	1.0	\$2,500.00	\$0.00
9	Erosion Control, Inlet Protection, Fabric Drop	6	Ea	\$ 150.00	0.0	6.0	6.0	\$900.00	\$0.00
10	Erosion Control, Silt Fence	280	Ft	\$ 5.00	0.0	280.0	280.0	\$1,400.00	\$0.00
11	Erosion Control, Mulch Blanket	5,000	Sft	\$ 3.00	5000.0	0.0	5000.0	\$15,000.00	\$15,000.00
12	Bio-Retention Choker Layer	8	Cyd	\$ 500.00	0.0	8.0	8.0	\$4,000.00	\$0.00
13	Bio-Retention Reservoir Layer	9	Cyd	\$ 750.00	0.0	9.0	9.0	\$6,750.00	\$0.00
14	Aggregate Base, 6 inch	1,530	Syd	\$ 9.00	670.0	1235.0	1905.0	\$17,145.00	\$6,029.73
15	Road Grade Biaxial Geogrid	1,400	Syd	\$ 20.00	400.0	1000.0	1400.0	\$28,000.00	\$8,000.00
16	Geotextile, Stabilization, Non-Woven	1,400	Syd	\$ 5.00	400.0	1000.0	1400.0	\$7,000.00	\$2,000.00
17	Sewer, CI A, 6 inch, Special	95	Ft	\$ 60.00	0.0	95.0	95.0	\$5,700.00	\$0.00
18	Sewer, CI A, 12 inch, Special	20	Ft	\$ 90.00	0.0	20.0	20.0	\$1,800.00	\$0.00
19	Standpipe, 24 inch, Special	1	Ea	\$ 1,000.00	0.0	1.0	1.0	\$1,000.00	\$0.00
20	Dr Structure, Tap, 12 inch, Special	1	Ea	\$ 500.00	0.0	1.0	1.0	\$500.00	\$0.00
21	Dr Structure Cover, Type B	1	Ea	\$ 1,500.00	0.0	1.0	1.0	\$1,500.00	\$0.00
22	Dr Structure Cover, Adj, Case 1	1	Ea	\$ 500.00	0.0	1.0	1.0	\$500.00	\$0.00
23	Dr Structure, Cleaning	5	Ea	\$ 500.00	0.0	0.0	0.0	\$0.00	\$0.00
24	HMA Surface, Rem	750	Syd	\$ 18.00	0.0	750.0	750.0	\$13,500.00	\$0.00
27	Curb and Gutter, Conc, Det F2	260	Ft	\$ 45.00	260.0	0.0	260.0	\$11,700.00	\$11,700.00
28	Curb and Gutter, Conc, Det F2, Modified	285	Ft	\$ 45.00	285.0	0.0	285.0	\$12,825.00	\$12,825.00
29	Spillway, Conc, Modified	4	Ea	\$ 1,500.00	4.0	0.0	4.0	\$6,000.00	\$6,000.00
30	Fence, Protective	150	Ft	\$ 20.00	150.0	0.0	150.0	\$3,000.00	\$3,000.00
31	Project Sign	1	LS	\$ 750.00	0.0	0.0	0.0	\$0.00	\$0.00
32	Pavt Mrkg, Rem	162	Ft	\$ 20.00	0.0	162.0	162.0	\$3,240.00	\$0.00
33	Pavt Mrkg, Waterborne, for Rest Areas, Parks & Lots, 4 inch, Yellow	580	Ft	\$ 8.00	0.0	0.0	0.0	\$0.00	\$0.00
34	Pavt Mrkg, Waterborne, for Rest Areas, Parks & Lots, 4 inch, Blue	327	Ft	\$ 10.00	0.0	0.0	0.0	\$0.00	\$0.00
35	Pavt Mrkg, Ovlv Cold Plastic, Accessible	1	Ea	\$ 500.00	0.0	0.0	0.0	\$0.00	\$0.00
36	Swale, Plain Cobble	50	Syd	\$ 50.00	50.0	0.0	50.0	\$2,500.00	\$2,500.00
37	Perennial Plantings	114	Ea	\$ 42.00	0.0	0.0	0.0	\$0.00	\$0.00
38	Plug Plantings	2,192	Ea	\$ 7.50	0.0	0.0	0.0	\$0.00	\$0.00
39	Shrub Plantings	42	Ea	\$ 102.00	0.0	0.0	0.0	\$0.00	\$0.00
40	Acer ginnala, 5 foot B&B	2	Ea	\$ 840.00	0.0	0.0	0.0	\$0.00	\$0.00
41	Acer campestre, 1 inch to 1-1/2 inch B&B	2	Ea	\$ 840.00	0.0	0.0	0.0	\$0.00	\$0.00
42	Celtis occidentalis, 1 inch to 1-1/2 inch B&B	2	Ea	\$ 390.00	0.0	0.0	0.0	\$0.00	\$0.00
43	Plantanus x acerifolia, 1 inch to 1-1/2 inch B&B	4	Ea	\$ 720.00	0.0	0.0	0.0	\$0.00	\$0.00
44	Quercus macrocarpa, 1 inch to 1-1/2 inch B&B	3	Ea	\$ 390.00	0.0	0.0	0.0	\$0.00	\$0.00
45	Tilia cordata, 1 inch to 1-1/2 inch B&B	5	Ea	\$ 840.00	0.0	0.0	0.0	\$0.00	\$0.00
46	Hardwood Mulch (Bio-Retention Area and Trees)	30	Cyd	\$ 95.00	0.0	0.0	0.0	\$0.00	\$0.00
47	Bio-Retention Soil Mix	575	Syd	\$ 40.00	575.0	0.0	575.0	\$23,000.00	\$23,000.00
48	Seeding, Erosion Control Overseeding Mixture	18	Lb	\$ 6.00	0.0	0.0	0.0	\$0.00	\$0.00
49	Site Restoration	1	LS	\$ 12,000.00	1.0	0.0	1.0	\$12,000.00	\$12,000.00
50	One-Year Vegetation Maintenance and Guarantee	1	LS	\$ 15,000.00	0.0	0.0	0.0	\$0.00	\$0.00
52	Sewer, Cleanout, 6 inch, Special	1	Ea	\$ 1,250.00	1.0	0.0	1.0	\$1,250.00	\$1,250.00
53	Excavation, Earth	975	Cyd	\$ 15.00	225.0	975.0	1200.0	\$18,000.00	\$3,375.00
54	Conc Pavt, Nonreinf, 7 inch	1,400	Syd	\$ 72.00	1400.0	0.0	1400.0	\$100,800.00	\$100,800.00
55						0.0	0.0	\$0.00	\$0.00
56						0.0	0.0	\$0.00	\$0.00
57						0.0	0.0	\$0.00	\$0.00
58						0.0	0.0	\$0.00	\$0.00
59						0.0	0.0	\$0.00	\$0.00
60						0.0	0.0	\$0.00	\$0.00
61						0.0	0.0	\$0.00	\$0.00
62						0.0	0.0	\$0.00	\$0.00
63						0.0	0.0	\$0.00	\$0.00
64						0.0	0.0	\$0.00	\$0.00
65						0.0	0.0	\$0.00	\$0.00
66						0.0	0.0	\$0.00	\$0.00
67						0.0	0.0	\$0.00	\$0.00

**Change Orders:**

1-1	Edge Drain Installation and Tie In	1.0	Ea	\$ 1,970.60	1.0	0.0	1.0	\$1,970.60	\$1,970.60

**Stored Material:**

						0.0	0.0	\$0.00	\$0.00

**Deductions:**

						0.0	0.0	\$0.00	\$0.00

Total Amount to Date	\$330,702.10
Total Amount This Estimate	\$208,381.73
Change Orders to Date	\$1,970.60
Change Orders This Estimate	\$1,970.60
Stored Materials to Date	\$0.00
Stored Materials This Estimate	\$0.00
Subtotal to Date	\$332,672.70
Subtotal This Estimate	\$210,352.33
Deductions to Date	\$0.00
Deductions This Estimate	\$0.00
Payment This Estimate	\$210,352.33
Less Transfer to Reserve	\$4,331.51
Net Payment	\$206,020.82

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

Construction Estimate No. 2

July 1, 2024 to July 31, 2024

Department No. : 6010101  
Fund No. : 58520  
Project No. : 1-7120


Account No. : 730373  
Program No. : 149662  
Activity : STD  
Vendor No. : 30038  
Contract No. : CON00010963  
Date of Contract : 6/13/2024  
Completion Date : NA

Contractor :  
Rolls Mechanical  
1490 Torrey Road  
Fenton, MI 48430

Original Contract Amount:	\$750,000.00
Previous Change Order Numbers (none):	\$0.00
Change Orders This Estimate Numbers (none):	\$0.00
Total Net Change Orders:	\$0.00
<b>Adjusted Contract Amount:</b>	<b>\$750,000.00</b>
<hr/>	
Subtotal To Date: (Sheet 2 of 2 Column 7)	\$58,511.50
Less Deductions to Date: (Sheet 2 of 2 Column 7)	\$500.00
Gross Estimate: (Work in Place)	\$58,011.50
Less Previous Estimates:	\$3,450.00
Net Payment Request To Be Paid To Contractor:	\$54,561.50

Balance of Contract To Date \$691,488.50

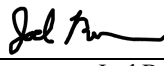
Accounting Auditor: \_\_\_\_\_

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

Date: 8/19/2024

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

Date: 8/15/24

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

Date: 8/19/2024

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

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

Construction Estimate No. 1		(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Contract Item - Address	Unit	Unit Price	Quantity This Payment	Total Quantity Previous Estimate	Total Quantity to Date	Total Amount to Date	Total Amount This Payment
1	Home Inspection	EA	\$ 225.00	19.0	6.0	25.0	\$5,625.00	\$4,275.00
2	Televise Sewer Lead	EA	\$ 350.00	15.0	6.0	21.0	\$7,350.00	\$5,250.00
3	Mobilize/Site Preparation	EA	\$ 450.00	5.0	0.0	5.0	\$2,250.00	\$2,250.00
4	Automatic Submersible Sump, 3/10 HP	EA	\$ 340.00	4.0	0.0	4.0	\$1,360.00	\$1,360.00
5	Automatic Submersible Sump, 1/2 HP	EA	\$ 460.00	0.0	0.0	0.0	\$0.00	\$0.00
6	Sump Pump Installation Including 30 LF Discharge Piping	EA	\$ 5,600.00	4.00	0.0	4.00	\$22,400.00	\$22,400.00
7	Additional Sump Pump Discharge Piping	LF	\$ 11.00	0.0	0.0	0.0	\$0.00	\$0.00
8	Backwater Valve Installation	EA	\$ 1,500.00	10.0	0.0	10.0	\$15,000.00	\$15,000.00
9	Project Site Clean Up Restoration	EA	\$ 700.00	5.0	0.0	5.0	\$3,500.00	\$3,500.00
10	Additional General Site-Specific Work	\$	\$ 1.00	840.0	0.0	840.0	\$840.00	\$840.00
11	Permit Fees	\$	\$ 1.00	285.0	0.0	285.0	\$284.98	\$284.98

**Change Orders:**

					0.0	0.0	\$0.00	\$0.00

**Deductions:**

	Homeowner Participation Fee	EA	\$ 100.00	5.0	0.0	5.0	\$500.00	\$500.00
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**ATTACHMENTS:**

HomeGuard Cost Sheets from COG  
 Contractor's Payment Request  
 Contractor's Declaration/Affidavit

Total Amount to Date	\$58,609.98
Total Amount This Estimate	\$55,159.98
Change Orders to Date	\$0.00
Change Orders This Estimate	\$0.00
Deductions to Date	\$500.00
Deductions This Estimate	\$500.00
Payment This Estimate	\$54,659.98

**Instructions:**

Once this worksheet is filled in for Estimate No. 1, it should be copied and renamed to create Estimate No. 2. This procedure should be repeated for each subsequent estimate and the final payment. Starting with Estimate No. 2, formulae should be entered in Column 5 to reference Column 6 of the previous estimate, the formula in cell B8 should be modified, and the quantities in Column 4 should be updated to reflect the current period. Add line to show new substantial and final contract times on Approved Est sheet as needed. Delete instructions before final submittal for accounting review. Can hide lines



Applicant Address	Inspection Result	Inspection Date	Install Approval	Home Inspection	Televise Sewer Lead	Site Preparation	Auto Sump Third HP	Auto Sump Half HP	Sump Install	Add Sump Piping LF	Valve Install	Site Cleanup	Misc Desc	Misc Price	Bid Items - Grand Total
1021 Larkmoor Blvd, Berkley, MI, 48072, USA	Pending	7/18/2024		1	1										\$ 575
1035 Cambridge Rd, Berkley, MI, 48072, USA	Pass	6/27/2024	7/15/2024	1	1	1	1		1		2	1			\$ 10,665
1035 Harvard	Fail	7/8/2024		1	1										\$ 575
1036 Harvard Rd, Berkley, MI, 48072, USA	Fail	7/23/2024		1	1										\$ 575
1174 Princeton Rd, Berkley, MI, 48072, USA	Pass	6/28/2024	7/15/2024	1	1	1	1		1		2	1			\$ 10,665
1186 11 Mile Rd, Berkley, MI, 48072, USA	Pass	6/21/2024	July	1	1	1	1		1		2	1			\$ 10,665
1249 Columbia Rd, Berkley, MI, 48072, USA	Fail	7/16/2024		1											\$ 225
1260 Harvard Rd, Berkley, MI, 48072, USA	Fail	7/2/2024		1	1										\$ 575
1339 Cambridge Rd, Berkley, MI, 48072, USA	Pass	6/21/2024	7/29/2024	1	1	1	0	0			2	1	Beyond breaking the floor to install the footing bypass to the existing VCP well, will be coring the existing sump, tap it and seal the tap. The work will roughly require 5 hours of labor, \$150 in material, and coring equipment.	\$ 840	\$ 5,565
1340 Cambridge Rd, Berkley, MI, 48072, USA	Fail	7/23/2024		1	1										\$ 575
1399 Harvard Rd, Berkley, MI, 48072, USA	Fail	7/30/2024		1											\$ 225
1411 Harvard Rd, Berkley, MI, 48072, USA	Fail	7/1/2024		1	1										\$ 575
1412 Harvard Rd, Berkley, MI, 48072, USA	Fail	7/2/2024		1	1										\$ 575
1419 Columbia Rd, Berkley, MI, 48072, USA	Fail	7/1/2024		1	1										\$ 575
1440 Harvard Road, Berkley, MI, 48072, USA	Fail	7/10/2024		1											\$ 225
1441 Larkmoor, Berkley, MI, 48072, USA	Pass	6/19/2024	7/8/2024	1	1	1	1		1		2	1			\$ 10,665
1749 Stanford Rd, Berkley, MI, 48072, USA	Fail	7/10/2024		1	1										\$ 575
852 Columbia Rd, Berkley, MI, 48072, USA	Fail	7/8/2024		1											\$ 225
909 Cambridge, Berkley, MI, 48072, USA	Fail	7/8/2024		1	1										\$ 575

Sub Totals To Date				19	15	5	4	0	4	0	10	5	0	\$ 840	\$ 54,875									
Unit Price	\$	225.00	\$	350.00	\$	450.00	\$	340.00	\$	460.00	\$	5,600.00	\$	11.00	\$	1,500.00	\$	700.00	\$	1	\$	840.00	\$	54,875
Total This Pay App	\$	4,275.00	\$	5,250.00	\$	2,250.00	\$	1,360.00	\$	-	\$	22,400.00	\$	-	\$	15,000.00	\$	3,500.00	\$	-	\$	840.00	\$	54,875

Notes

Pay Request for Work Ending July 31, 2024	\$	54,875.00
Permit Fees	\$	284.98
Deducts	\$	(500.00)
Total	\$	54,659.98

**Jim Nash, Oakland County Water Resources Commissioner  
 For Construction of the 2024 GWK Sewer Cleaning and Inspection  
 George W. Kuhn Drain Drainage District  
 Oakland County, Michigan**

Construction Estimate No. 3

July 1, 2024 to August 1, 2024

Department No. : 6010101  
 Fund No. : 58510  
 Project No. : PRJ-17409

Account No. : 730373  
 Program No. : 149127  
 Activity : FAC  
 Contract No. : 10919

Contractor :  
 Pipeline Management Company  
 2673 E. Maple Road  
 Milford, MI 48381

Date of Contract : April 8, 2024  
 Completion Date : February 2, 2025

<u>Original Contract Amount:</u>	\$510,552.20
Previous Change Order Numbers (none):	\$0.00
Change Orders This Estimate Numbers (none):	\$0.00
Total Net Change Orders:	\$0.00
<u>Adjusted Contract Amount:</u>	<u>\$510,552.20</u>
Subtotal To Date: (Sheet 2 of 2 Column 7)	\$165,964.20
Less Deductions to Date: (Sheet 2 of 2 Column 7)	\$0.00
Gross Estimate: (Work in Place) <span style="float:right;">32.51%</span>	\$165,964.20
Less Amount Reserved: (10% of Gross Estimate)	\$16,596.42
Total Amount Allowed To Date:	\$149,367.78
Less Previous Estimates:	\$99,990.86
Net Payment Request To Be Paid To Contractor:	\$49,376.93
Reserve Payment to Contractor	\$0.00
<u>Balance of Contract To Date</u> <span style="float:right;">\$344,588.00</span>	<u>Accounting Auditor:</u>
Less Previous Transfers To Reserve:	\$8,749.86
<u>Amount of Current Transfer:</u>	<u>\$7,846.56</u>

Prepared by: \_\_\_\_\_  
 George P. Nichols, P.E., Assistant Chief Engineer

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

Recommended by: \_\_\_\_\_  
 Matthew Hughes, P.E., Hubbell, Roth & Clark

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

Approved by: \_\_\_\_\_  
 Evangelos Bantios, P.E., Chief Engineer

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

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

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

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

**Jim Nash, Oakland County Water Resources Commissioner  
 For Construction of the 2024 GWK Sewer Cleaning and Inspection  
 George W. Kuhn Drain Drainage District  
 Oakland County, Michigan**

Construction Estimate No. 3		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Contract Item	Bid Quantity	Unit	Unit Price	Quantity This Payment (AGM Length)	Total Quantity Estimate	Total Quantity to Date	Total Amount to Date	Total Amount This Payment
<b>Royal Oak Main Drain</b>									
1	Mobilization (5% Max)	1	LS	2,000.00	0.0	0.0	0.0	\$0.00	\$0.00
2	Project Management	1	LS	1.00	0.0	0.0	0.0	\$0.00	\$0.00
3	Permit Allowance	200	DLR	1.00	0.0	0.0	0.0	\$0.00	\$0.00
4	Clean and Televise, PACP Reporting, 132" Combined Sewer	2,985	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
5	Clean and Televise, PACP Reporting, 150" Combined Sewer	4,115	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
6	Clean and Televise, PACP Reporting, 180" Combined Sewer	180	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
7	Clean and Televise, PACP Reporting, Horseshoe, Combined Sewer	2,528	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
8	Locate and Expose Manhole, As Required	1	EA	1.00	0.0	0.0	0.0	\$0.00	\$0.00
9	Maintaining Traffic	1	LS	1,000.00	0.0	0.0	0.0	\$0.00	\$0.00
10	Restoration	1	LS	1.00	0.0	0.0	0.0	\$0.00	\$0.00
<b>Allen Branch</b>									
11	Mobilization (5% Max)	1	LS	7,000.00	0.0	1.0	1.0	\$7,000.00	\$0.00
12	Project Management	1	LS	10,000.00	0.0	1.0	1.0	\$10,000.00	\$0.00
13	Permit Allowance	1,000	DLR	1.00	0.0	0.0	0.0	\$0.00	\$0.00
14	Clean and Televise, PACP Reporting, 8" Combined Sewer	37	LFT	4.15	16.0	0.0	16.0	\$66.40	\$66.40
15	Clean and Televise, PACP Reporting, 10" Combined Sewer	109	LFT	4.15	32.0	0.0	32.0	\$132.80	\$132.80
16	Clean and Televise, PACP Reporting, 12" Combined Sewer	109	LFT	4.15	30.0	0.0	30.0	\$124.50	\$124.50
17	Clean and Televise, PACP Reporting, 15" Combined Sewer	0	LFT	4.15	15.0	0.0	15.0	\$62.25	\$62.25
18	Clean and Televise, PACP Reporting, 18" Combined Sewer	161	LFT	4.15	155.0	0.0	155.0	\$643.25	\$643.25
19	Clean and Televise, PACP Reporting, 24" Combined Sewer	73	LFT	4.15	20.0	0.0	20.0	\$83.00	\$83.00
20	Clean and Televise, PACP Reporting, 30" Combined Sewer	1,690	LFT	4.15	842.0	865.0	1,707.0	\$7,084.05	\$3,494.30
21	Clean and Televise, PACP Reporting, 36" Combined Sewer	2,969	LFT	4.15	0.0	3,005.0	3,005.0	\$12,470.75	\$0.00
22	Clean and Televise, PACP Reporting, 48" Combined Sewer	1,294	LFT	4.15	0.0	1,290.0	1,290.0	\$5,353.50	\$0.00
23	Clean and Televise, PACP Reporting, 54" Combined Sewer	3,107	LFT	4.15	0.0	1,586.0	1,586.0	\$6,581.90	\$0.00
24	Clean and Televise, PACP Reporting, 60" Combined Sewer	1,952	LFT	4.15	0.0	1,959.0	1,959.0	\$8,129.85	\$0.00
25	Clean and Televise, PACP Reporting, 66" Combined Sewer	1,778	LFT	4.15	25.0	2,136.0	2,161.0	\$8,968.15	\$103.75
26	Clean and Televise, PACP Reporting, 84" Combined Sewer	3,466	LFT	4.15	0.0	3,511.0	3,511.0	\$14,570.65	\$0.00
27	Clean and Televise, PACP Reporting, 90" Combined Sewer	4,445	LFT	4.15	0.0	4,430.0	4,430.0	\$18,384.50	\$0.00
28	Clean and Televise, PACP Reporting, 108" Combined Sewer	4,389	LFT	4.15	0.0	2,391.0	2,391.0	\$9,922.65	\$0.00
29	Clean and Televise, PACP Reporting, 114" Combined Sewer	5,986	LFT	4.15	5,701.0	0.0	5,701.0	\$23,659.15	\$23,659.15
30	Clean and Televise, PACP Reporting, 120" Combined Sewer	3,826	LFT	4.15	3,892.0	0.0	3,892.0	\$16,151.80	\$16,151.80
31	Locate and Expose Manhole, As Required	997	LFT	4.15	0.0	1,020.0	1,020.0	\$4,233.00	\$0.00
32	Maintaining Traffic	1	EA	1.00	0.0	0.0	0.0	\$0.00	\$0.00
33	Restoration	1	LS	2,000.00	0.0	1.0	1.0	\$2,000.00	\$0.00
34	Mobilization (5% Max)	1	LS	1.00	1.0	0.0	1.0	\$1.00	\$1.00
<b>Hubbard Branch</b>									
35	Mobilization (5% Max)	1	LS	5,000.00	0.0	0.0	0.0	\$0.00	\$0.00
36	Project Management	1	LS	1.00	0.0	0.0	0.0	\$0.00	\$0.00
37	Permit Allowance	200	DLR	1.00	0.0	0.0	0.0	\$0.00	\$0.00
38	Clean and Televise, PACP Reporting, 24" Combined Sewer	323	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
39	Clean and Televise, PACP Reporting, 36" Combined Sewer	3,476	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
40	Clean and Televise, PACP Reporting, 54" Combined Sewer	4,871	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
41	Clean and Televise, PACP Reporting, 66" Combined Sewer	2,708	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
42	Clean and Televise, PACP Reporting, 72" Combined Sewer	1,411	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
43	Clean and Televise, PACP Reporting, 78" Combined Sewer	2,487	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
44	Clean and Televise, PACP Reporting, 84" Combined Sewer	3,670	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
45	Clean and Televise, PACP Reporting, 96" Combined Sewer	1,489	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
46	Clean and Televise, PACP Reporting, 108" Combined Sewer	4,023	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
47	Locate and Expose Manhole, As Required	5	EA	1.00	0.0	0.0	0.0	\$0.00	\$0.00
48	Maintaining Traffic	1	LS	1,000.00	0.0	0.0	0.0	\$0.00	\$0.00
49	Restoration	1	LS	1.00	0.0	0.0	0.0	\$0.00	\$0.00
<b>East Clawson Drain</b>									
50	Mobilization (5% Max)	1	LS	3,000.00	0.0	0.0	0.0	\$0.00	\$0.00
51	Project Management	1	LS	1.00	0.0	0.0	0.0	\$0.00	\$0.00
52	Permit Allowance	200	DLR	1.00	0.0	0.0	0.0	\$0.00	\$0.00
53	Clean and Televise, PACP Reporting, 10" Combined Sewer	1,291	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
54	Clean and Televise, PACP Reporting, 36" Combined Sewer	2,246	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
55	Clean and Televise, PACP Reporting, 42" Combined Sewer	894	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
56	Clean and Televise, PACP Reporting, 54" Combined Sewer	2,304	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
57	Clean and Televise, PACP Reporting, 60" Combined Sewer	748	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
58	Clean and Televise, PACP Reporting, 66" Combined Sewer	2,578	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
59	Clean and Televise, PACP Reporting, 72" Combined Sewer	669	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
60	Clean and Televise, PACP Reporting, 78" Combined Sewer	656	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
61	Clean and Televise, PACP Reporting, 90" Combined Sewer	2,620	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
62	Locate and Expose Manhole, As Required	4	EA	1.00	0.0	0.0	0.0	\$0.00	\$0.00
63	Maintaining Traffic	1	LS	2,500.00	0.0	0.0	0.0	\$0.00	\$0.00
64	Restoration	1	LS	1.00	0.0	0.0	0.0	\$0.00	\$0.00
<b>Ferndale Nine Mile Drain</b>									
65	Mobilization (5% Max)	1	LS	400.00	0.0	0.0	0.0	\$0.00	\$0.00
66	Project Management	1	LS	1.00	0.0	0.0	0.0	\$0.00	\$0.00
67	Permit Allowance	500	DLR	1.00	0.0	0.0	0.0	\$0.00	\$0.00
68	Clean and Televise, PACP Reporting, 12" Combined Sewer	12	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
69	Clean and Televise, PACP Reporting, 24" Combined Sewer	1,087	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
70	Clean and Televise, PACP Reporting, 30" Combined Sewer	800	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
71	Locate and Expose Manhole, As Required	1	EA	1.00	0.0	0.0	0.0	\$0.00	\$0.00
72	Maintaining Traffic	1	LS	1,000.00	0.0	0.0	0.0	\$0.00	\$0.00
73	Restoration	1	LS	1.00	0.0	0.0	0.0	\$0.00	\$0.00
<b>McClain Drain</b>									
74	Mobilization (5% Max)	1	LS	1,500.00	0.0	0.0	0.0	\$0.00	\$0.00
75	Project Management	1	LS	1.00	0.0	0.0	0.0	\$0.00	\$0.00
76	Permit Allowance	200	DLR	1.00	0.0	0.0	0.0	\$0.00	\$0.00
77	Clean and Televise, PACP Reporting, 33" Combined Sewer	372	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
78	Clean and Televise, PACP Reporting, 36" Combined Sewer	600	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
79	Clean and Televise, PACP Reporting, 54" Combined Sewer	1,014	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
80	Clean and Televise, PACP Reporting, 60" Combined Sewer	998	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
81	Clean and Televise, PACP Reporting, 66" Combined Sewer	1,888	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
82	Clean and Televise, PACP Reporting, 72" Combined Sewer	2,128	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
83	Clean and Televise, PACP Reporting, 78" Combined Sewer	1,300	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
84	Locate and Expose Manhole, As Required	1	EA	1.00	0.0	0.0	0.0	\$0.00	\$0.00
85	Maintaining Traffic	1	LS	1,500.00	0.0	0.0	0.0	\$0.00	\$0.00
86	Restoration	1	LS	1.00	0.0	0.0	0.0	\$0.00	\$0.00

**Jim Nash, Oakland County Water Resources Commissioner  
For Construction of the 2024 GWK Sewer Cleaning and Inspection  
George W. Kuhn Drain Drainage District  
Oakland County, Michigan**

Construction Estimate No. 3		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Contract Item	Bid Quantity	Unit	Unit Price	Quantity This Payment (AGM Length)	Total Quantity Previous Estimate	Total Quantity to Date	Total Amount to Date	Total Amount This Payment
<b>Shberman Drain</b>									
86	Mobilization (5% Max)	1	LS	1,000.00	0.0	0.0	0.0	\$0.00	\$0.00
87	Project Management	1	LS	1.00	0.0	0.0	0.0	\$0.00	\$0.00
88	Permit Allowance	200	DLR	1.00	0.0	0.0	0.0	\$0.00	\$0.00
89	Clean and Televis, PACP Reporting, 12" Combined Sewer	171	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
90	Clean and Televis, PACP Reporting, 90" Combined Sewer	4,649	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
91	Locate and Expose Manhole, As Required	1	EA	1.00	0.0	0.0	0.0	\$0.00	\$0.00
92	Maintaining Traffic	1	LS	1,000.00	0.0	0.0	0.0	\$0.00	\$0.00
93	Restoration	1	LS	1.00	0.0	0.0	0.0	\$0.00	\$0.00
<b>Schubiner Drain</b>									
94	Mobilization (5% Max)	1	LS	2,500.00	1.0	0.0	1.0	\$2,500.00	\$2,500.00
95	Project Management	1	LS	1.00	1.0	0.0	1.0	\$1.00	\$1.00
96	Permit Allowance	200	DLR	1.00	0.0	0.0	0.0	\$0.00	\$0.00
97	Clean and Televis, PACP Reporting, 10" Combined Sewer	88	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
98	Clean and Televis, PACP Reporting, 12" Combined Sewer	4,110	LFT	4.15	1,407.0	0.0	1,407.0	\$5,839.05	\$5,839.05
99	Clean and Televis, PACP Reporting, 15" Combined Sewer	1,089	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
100	Clean and Televis, PACP Reporting, 18" Combined Sewer	304	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
101	Clean and Televis, PACP Reporting, 24" Combined Sewer	288	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
102	Clean and Televis, PACP Reporting, 30" Combined Sewer	288	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
103	Clean and Televis, PACP Reporting, 36" Combined Sewer	297	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
104	Clean and Televis, PACP Reporting, 42" Combined Sewer	1,418	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
105	Clean and Televis, PACP Reporting, 54" Combined Sewer	741	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
106	Clean and Televis, PACP Reporting, 66" Combined Sewer	382	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
107	Clean and Televis, PACP Reporting, 72" Combined Sewer	2,618	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
108	Clean and Televis, PACP Reporting, 84" Combined Sewer	366	LFT	4.15	0.0	0.0	0.0	\$0.00	\$0.00
109	Locate and Expose Manhole, As Required	1	EA	1.00	0.0	0.0	0.0	\$0.00	\$0.00
110	Maintaining Traffic	1	LS	2,000.00	1.0	0.0	1.0	\$2,000.00	\$2,000.00
111	Restoration	1	LS	1.00	1.0	0.0	1.0	\$1.00	\$1.00

Change Orders:									
						0.0	0.0	\$0.00	\$0.00

Stored Material:									
						0.0	0.0	\$0.00	\$0.00

Deductions:									
						0.0	0.0	\$0.00	\$0.00

Total Amount to Date	\$165,964.20
Total Amount This Estimate	\$54,863.25
Change Orders to Date	\$0.00
Change Orders This Estimate	\$0.00
Stored Materials to Date	\$0.00
Stored Materials This Estimate	\$0.00
Subtotal to Date	\$165,964.20
Subtotal This Estimate	\$54,863.25
Deductions to Date	\$0.00
Deductions This Estimate	\$0.00
Payment This Estimate	\$54,863.25
Less Transfer to Reserve	\$7,846.56
Net Payment	\$47,016.69

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

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

**DATE:** August 27, 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 # 1950667 - Legal Services - 07/31/24	\$ 31,894.30
Dickinson Wright PLLC	TBP	Invoice # 1950671 - Legal Services - 07/31/24	31,666.40
Dickinson Wright PLLC	TBP	Invoice # 1950672 - Legal Services - 07/31/24	1,282.50
Dickinson Wright PLLC	TBP	Invoice # 1950674 - Legal Services - 07/31/24	921.50
Dickinson Wright PLLC	TBP	Invoice # 1950675 - Legal Services - 07/31/24	3,975.50
Dickinson Wright PLLC	TBP	Invoice # 1950673 - Legal Services - 07/31/24	231.00
Dickinson Wright PLLC	TBP	Invoice # 1944770 - Legal Services - 06/30/24	18,925.23
OHM Advisors	TBP	Invoice # 78177 - Professional Services - 07/20/24	1,958.33
		<b>Total</b>	<b>\$ 90,854.76</b>
Hubbell, Roth, & Clark Inc	TBP	Invoice # 0219354 - Contracted Services - 7/20/24 - Proj 1-3484	\$ 3,157.00
Hubbell, Roth, & Clark Inc	TBP	Invoice # 0219355 - Contracted Services - 7/06/24 - Proj 1-3484	16,117.30
		<b>Project 1-3484</b>	<b>\$ 19,274.30</b>
		<b>Total</b>	<b>\$110,129.06</b>

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

## AGENDA

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

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of July 23, 2024
3. Public Comments
4. Present Memorandum from Scott Schultz, Project Engineer, dated August 27, 2024, requesting the Board approve a project budget increase of \$600,000 to an overall not to exceed amount of \$2,400,000 for the I-696 Pump Station Rehabilitation Project
5. Present Construction Estimate No. 29 for Walsh Construction Company II, LLC for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$1,608,234.59 with a transfer to the Oakland County Treasurer in the amount of \$178,692.73
6. Present Construction Estimate No. 11 for Dan’s Excavating for Construction of the 8 Mile Road Corrective Action Plan – Phase 2 in the amount of \$210,368.50
7. Present Construction Estimate No. 1 for Lawrence M. Clarke Inc. for Construction of the I-696 Pump Station Rehabilitation in the amount of \$92,891.37 with a transfer to the Oakland County Treasurer in the amount of \$10,321.26
8. Present request for Board approval of payment of invoices from the Evergreen Farmington Sanitary Drain from the Maintenance Fund in the amount of \$547,661.95
9. Present request for Board approval of payment of invoices from the Evergreen Farmington Sanitary Drain from the Construction Fund in the amount of \$127,504.61
10. Other business
11. Approve pro rata payment to Drainage Board members
12. Adjourn

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

July 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 July 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 June 25, 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 Steve Korth, P.E., Chief Manager, dated July 23, 2024, requesting the Board distribute GLWA Highland Park Bad Debt Recovery credit directly to the Drainage District's customers in the amount shown in the supporting documentation was presented. It was moved by Markham, supported by Nash, to distribute GLWA Highland Park Bad Debt Recovery credit directly to the Drainage District's customers in the amount shown in the supporting documentation as presented.

ADOPTED: Yeas - 2  
Nays - 0

Construction Estimate No. 28 for Walsh Construction Company II, LLC for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$1,855,886.68 with a transfer to the Oakland County Treasurer in the amount of \$206,209.63 was presented. It was moved by Markham, supported by Nash, to approve Construction Estimate No. 28 for Walsh Construction Company II, LLC for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$1,855,886.68 with a transfer to the Oakland County Treasurer in the amount of \$206,209.63

ADOPTED: Yeas - 2  
Nays - 0



Construction Estimate No. 10 for Dan's Excavating for Construction of the 8 Mile Road Corrective Action Plan – Phase 2 in the amount of \$42,731.66 was presented. It was moved by Markham, supported by Nash, to approve Construction Estimate No. 10 for Dan's Excavating for Construction of the 8 Mile Road Corrective Action Plan – Phase 2 in the amount of \$42,731.66.

ADOPTED: Yeas - 2  
Nays - 0

A request for approval of payment of invoices from the Evergreen Farmington Sanitary Drain Maintenance Fund in the amount of \$142,978.16 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices from the Evergreen Farmington Sanitary Drain Maintenance Fund in the amount of \$142,978.16 as presented.

ADOPTED: Yeas - 2  
Nays - 0

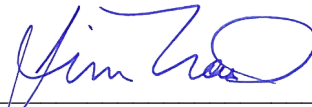
A request for approval of payment of invoices from the Evergreen Farmington Sanitary Drain Construction Fund in the amount of \$77,691.90 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices from the Evergreen Farmington Sanitary Drain Construction Fund in the amount of \$77,691.90 presented.

ADOPTED: Yeas - 2  
Nays - 0

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

ADOPTED: Yeas - 2  
Nays - 0

There being no further business, the meeting was adjourned.

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

STATE OF MICHIGAN                    )  
                                                  )SS.  
COUNTY OF OAKLAND                )

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Evergreen-Farmington Sanitary Drain, Oakland County, Michigan, held on the 23<sup>rd</sup> day of July 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: July 23, 2024

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

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

**FROM:** Scott Schultz, Project Engineer

**SUBJECT:** Request for Additional Project Funds for the I-696 Pump Station Rehabilitation Project

**DATE:** August 27, 2024

The initial total project cost on the I-696 Pump Station Rehab Project was estimated at \$1,800,000 in 2018 with construction costs estimated to be \$1.3 million. The actual construction cost upon receiving bids was \$1.7 million. There are also significant cost increases in equipment and labor post COVID due to inflation. The current project estimate has been revised to \$2,400,000 due to these changes. A copy of the proposed project budget is attached for reference. Accordingly, we request a budget increase of \$600,000 to align with the current project estimate. This will be funded as a budget extra through Capital Improvement Reserves. The fund has sufficient balances to accommodate the estimated additional expense, and the long-term stability of the reserve balances is not adversely impacted by this additional amount.

**Requested Action: Approve a project budget increase of \$600,000 to an overall not to exceed amount of \$2,400,000 for the I-696 Pump Station Rehabilitation Project.**

**I-696 PS Rehab  
Southfield, MI  
Estimate of Probable Construction Cost  
May 16, 2024**

<b>1)</b>	<b>CONTRACTED SERVICES - CONSTRUCTION</b>		<u>\$ 1,597,500</u>
			<b>\$ 1,597,500</b>
<b>2)</b>	<b>CONTRACTED SERVICES - PROJECT DEVELOPMENT</b>		
	Engineering - DLZ		
	Consulting Engineer (ENGCON)		
	Preliminary/Study Phase	\$	-
	Design & Bidding Phase	\$	149,000
	Design & Bidding Phase (additional services)	\$	10,540
	Construction Administration	\$	85,777
	Geotechnical Exploration - N/A	\$	-
	Construction Material Testing- N/A	\$	10,917
	Subtotal - Contracted Services - Project Development	<b>\$</b>	<b>256,234</b>
<b>4)</b>	<b>EASEMENTS</b>		
	Temp Easement- N/A	\$	-
	Land Purchase/Appraisals- N/A	<u>\$</u>	<u>-</u>
	Subtotal - Easements	<b>\$</b>	<b>-</b>
<b>4)</b>	<b>COUNTY SERVICES</b>		
	Administration (ADM)	\$	17,000
	Engineering (ENG)	\$	110,000
	Right-of-Way (ROW)	\$	48,000
	Inspection (INS)	\$	142,000
	Surveying (SUR)	\$	3,000
	Standard Operatons (STD)	<u>\$</u>	<u>5,000</u>
	Subtotal - County Services	<b>\$</b>	<b>325,000</b>
<b>6)</b>	<b>SUBTOTAL</b>	\$	2,178,734
	Contingency (10% of construction cost)	<u>\$</u>	<u>217,873</u>
<b>7)</b>	<b>ESTIMATE OF PROJECT COST</b>	<u>\$</u>	<u>2,396,608</u>

<b>VALUE FOR BUDGETING</b>	<b>\$ 2,400,000</b>
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Prepared by: Scott Schultz Date: 5/16/24  
                  Scott Schultz, E.I.T.

Approved by: Joel Brown Date: 6/7/24  
                  Joel Brown, P.E. - Chief Engineer

**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. 29

July 1, 2024 to Jul 31, 2024

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

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

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

Original Contract Amount:		\$0.00	
Previous Change Order Numbers: CO Nos. 1 through 9.		\$50,512,444.14	
Change Orders This Estimate Number:		\$0.00	
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)		\$25,093,930.38	
Less Deductions to Date: (Sheet 2 of 3 Column 7)		\$0.00	
Gross Estimate: (Work in Place)	49.68%	\$25,093,930.38	
Less Amount Reserved: (10% of Gross Estimate)		\$2,509,393.04	✓
Total Amount Allowed To Date:		\$22,584,537.34	
Less Previous Estimates:		\$20,976,302.75	
Net Payment Request To Be Paid To Contractor:		\$1,608,234.59	
Reserve Payment to Contractor		\$0.00	
Balance of Contract To Date	✓ \$25,418,513.76		Accounting Auditor: <i>BER</i> 8/12/2024
Less Previous Transfers To Reserve:		\$2,330,700.31	✓
<u>Amount of Current Transfer:</u>		<u>\$178,692.73</u>	

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

Date: 2024 08 06

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

Date: 8/6/2024

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

Date: 8-16-2024

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

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

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

**JIM NASH  
 OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

**Jim Nash, Oakland County Water Resources Commissioner  
 Evergreen Farmington Sanitary Drain Drainage District  
 For Construction of 8 Mile Road CAP Phase 2 - 8 Mile Pump Station 54-Inch Relief Forcemain  
 Southfield, Michigan**

Construction Estimate No. 11

July 1, 2024 to Jul 31, 2024

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

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

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



Original Contract Amount:		\$10,381,154.00
Previous Change Order Numbers: CO Nos. 1 and 2		\$214,293.91
Change Orders This Estimate Number:		\$0.00
Total Net Change Orders:		\$214,293.91
<u>Adjusted Contract Amount:</u>		<u>\$10,595,447.91</u>
Subtotal To Date: (Sheet 2 of 2 Column 7)		\$10,056,172.62
Less Deductions to Date: (Sheet 2 of 2 Column 7)		\$0.00
Gross Estimate: (Work in Place) <span style="float:right">94.91%</span>		\$10,056,172.62
Less Amount Reserved: (5% of Adjusted Contract Amount)		\$529,772.40
Total Amount Allowed To Date:		\$9,526,400.22
Less Previous Estimates:		\$9,316,031.72
Net Payment Request To Be Paid To Contractor:		\$210,368.50
Reserve Payment to Contractor		\$0.00
<u>Balance of Contract To Date</u>	✓ <u>\$539,275.29</u>	Accounting Auditor: <u>BTR</u> 8/12/2024
Less Previous Transfers To Reserve:		\$529,772.40
<u>Amount of Current Transfer:</u>		<u>\$0.00</u>



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

Date: 2024 08 09

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

Date: 8/9/2024

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

Date: 8-15-2024

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

Date: 8/16/2024

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

**JIM NASH  
 OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

CONSTRUCTION ESTIMATE

**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. 11		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Contract Item	Bid Quantity	Unit	Unit Price	Quantity This Payment	Total Quantity Previous Estimate	Total Quantity to Date	Total Amount to Date	Total Amount This Payment
1	Bonds, Insurance, and Initial Setup Expense (5% maximum)	1	LS	\$450,000.00	0.00	1.00	1.0	\$450,000.00	\$0.00
2	Preconstruction Audio-Video Documentation	1	LS	\$5,000.00	0.00	1.00	1.0	\$5,000.00	\$0.00
3	Traffic Maintenance and Control	1	LS	\$182,800.00	0.03	0.95	1.0	\$179,144.00	\$5,484.00
4	Soil Erosion and Sedimentation Control	1	LS	\$20,000.00	0.01	0.98	1.0	\$19,800.00	\$200.00
5	Dewatering	1	LS	\$10,000.00	0.00	1.00	1.0	\$10,000.00	\$0.00
6	Tree Removal	10	EA	\$1,200.00	0.00	10.00	10.0	\$12,000.00	\$0.00
7	Storm Sewer Removal	1	LS	\$60,000.00	0.00	1.00	1.0	\$60,000.00	\$0.00
8	Pavement Removal	1	LS	\$35,000.00	0.02	0.98	1.0	\$35,000.00	\$700.00
9	Concrete Removal	1	LS	\$140,000.00	0.02	0.98	1.0	\$140,000.00	\$2,800.00
10	Sanitary Sewer, Force Main, 54 inch, Furnished	6,123	LF	\$480.00	0.00	6,120.49	6,120.49	\$2,937,835.20	\$0.00
11	Sanitary Sewer, Force Main, 54 inch, Installed	6,043	LF	\$432.00	0.00	6,028.84	6,028.84	\$2,604,458.88	\$0.00
12	Air Release Valve and Manhole	2	EA	\$75,000.00	0.00	2.00	2.0	\$150,000.00	\$0.00
13	Sanitary Sewer, Force Main, 54 inch, Couplings	2	EA	\$27,500.00	0.00	3.00	3.0	\$82,500.00	\$0.00
14	Dr Structure, 48 inch dia	35	EA	\$1,800.00	0.00	22.00	22.0	\$39,600.00	\$0.00
15	Sewer, CI III, 12 inch, Tr Det B	623	LF	218.00	0.00	904.00	904.0	\$197,072.00	\$0.00
16	Sewer, CI IV, 15 inch, Tr Det B	119	LF	223.00	0.00	212.00	212.0	\$47,276.00	\$0.00
17	Sewer, CI IV, 18 inch, Tr Det B	35	LF	235.00	0.00	54.00	54.0	\$12,690.00	\$0.00
18	Sewer, CI IV, 30 inch, Tr Det B	55	LF	279.00	0.00	69.00	69.0	\$19,251.00	\$0.00
19	Trench Undercut and Backfill	500	CYD	50.00	0.00	0.00	0.0	\$0.00	\$0.00
20	Non-Hazardous Contaminated Material Handling and Disposal	2,000	TON	26.00	0.00	0.00	0.0	\$0.00	\$0.00
21	Grading and Roadbed	1	LS	1,100,000.00	0.15	0.85	1.0	\$1,100,000.00	\$165,000.00
22	HMA, 2EMH	2,850	TON	121.00	0.00	1,731.40	1,731.40	\$209,499.40	\$0.00
23	HMA, 3EMH	1,923	TON	130.00	0.00	1,289.68	1,289.68	\$167,658.40	\$0.00
24	HMA, 4EMH	1,374	TON	127.00	0.00	1,090.38	1,090.38	\$138,478.26	\$0.00
25	HMA, 5EMH	1,178	TON	139.00	0.00	646.59	646.59	\$89,876.01	\$0.00
26	HMA, 2EMH, High Stress	2,474	TON	130.00	0.00	2,474.00	2,474.00	\$321,620.00	\$0.00
27	HMA, 3EMH, High Stress	1,912	TON	136.00	0.00	1,912.00	1,912.00	\$260,032.00	\$0.00
28	HMA, 4EMH, High Stress	1,364	TON	146.00	0.00	1,364.00	1,364.00	\$199,144.00	\$0.00
29	HMA, 5EMH, High Stress	1,095	TON	162.00	0.00	1,038.15	1,038.15	\$168,180.30	\$0.00
30	Concrete Curbs and Gutters	4,687	LF	33.00	1,096.50	3,370.50	4,467.00	\$147,411.00	\$36,184.50
31	Concrete Sidewalk	1,832	SFT	27.50	0.00	618.25	618.3	\$17,001.88	\$0.00
32	Lahser Road Pedestrian Signal Modifications	1	LS	17,500.00	0.00	0.00	0.0	\$0.00	\$0.00
33	Permanent Striping and Signage Removal and Replacement	1	LS	90,000.00	0.00	0.00	0.0	\$0.00	\$0.00
34	Site Restoration	1	LS	82,000.00	0.00	0.50	0.5	\$41,000.00	\$0.00
35						0.0	0.0	\$0.00	\$0.00

CONSTRUCTION ESTIMATE

**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. 11		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Contract Item	Bid Quantity	Unit	Unit Price	Quantity This Payment	Total Quantity Previous Estimate	Total Quantity to Date	Total Amount to Date	Total Amount This Payment

**Change Orders:**

1-1	Additional Pavement Removal	1	LS	42,893.91	0.00	1.00	1.0	\$42,893.91	\$0.00
1-2	Allowance for Temporary Paving	1	LS	157,000.00	0.00	0.87	0.9	\$137,350.38	\$0.00
2-1	Additional Tree Removal	4	EA	1,200.00	0.00	4.00	4.0	\$4,800.00	\$0.00
2-2	Added Tree Trimming	24	EA	400.00	0.00	24.00	24.0	\$9,600.00	\$0.00

**Stored Material:**


**Deductions:**

						0.0	0.0	\$0.00	\$0.00

Total Amount to Date	\$9,861,528.33
Total Amount This Estimate	\$210,368.50
Change Orders to Date	\$194,644.29
Change Orders This Estimate	\$0.00
Stored Materials to Date	\$0.00
Stored Materials This Estimate	\$0.00
Subtotal to Date	\$10,056,172.62
Subtotal This Estimate	\$210,368.50
Deductions to Date	\$0.00
Deductions This Estimate	\$0.00
Payment This Estimate	\$210,368.50
Less Transfer to Reserve	\$0.00
Net Payment	\$210,368.50



**Jim Nash, Oakland County Water Resources Commissioner  
 Evergreen Farmington Sanitary Drain Drainage District  
 For Construction of the I-696 Pump Station Rehabilitation  
 Southfield  
 Oakland County, Michigan**

Construction Estimate No. 1

February 9, 2024 to July 12, 2024

Department No. : 6010101  
 Fund No. : 58410  
 Project No. : PRJ-17459

Account No. : 730352  
 Program No. : 149667  
 Activity : CON  
 Vendor No. : 16424  
 Contract No. : 00009173  
 Date of Contract : 2/9/2024  
 Completion Date : 6/3/2025

Contractor :  
 Lawrence M. Clarke Inc.  
 50850 Bemis Rd  
 Belleville, MI 48111

Original Contract Amount: \$1,597,500.00

Previous Change Order Numbers (none): \$0.00

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

Total Net Change Orders: \$0.00

Adjusted Contract Amount: \$1,597,500.00

Subtotal To Date: (Sheet 2 of 2 Column 7) \$103,212.63

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

Gross Estimate: (Work in Place) 6.46% \$103,212.63

Less Amount Reserved: (10% of Gross Estimate) \$10,321.26

Total Amount Allowed To Date: \$92,891.37

Less Previous Estimates: \$0.00

Net Payment Request To Be Paid To Contractor: \$92,891.37

Reserve Payment to Contractor \$0.00

Balance of Contract To Date \$1,494,287.37 Accounting Auditor:

Less Previous Transfers To Reserve: \$0.00

Amount of Current Transfer: \$10,321.26

Prepared by: Scott Schultz  
 Scott Schultz - Project Engineer

Date: 8/15/24

Recommended by: Mark Mattson  
 Mark Mattson, P.E. - Consulting Engineer

Date: 8/15/2024

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

Date: 8/16/2024

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

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

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

**DATE:** August 27, 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
Fishbeck	SINV00281229	Inv# 440269 - Engineering Services - Proj #17455	2,065.00
JMK Consultants Inc	SINV00278621	Inv# 1756 - Professional Services - Proj #17455	2,337.50
JMK Consultants Inc	SINV00282492	Inv# 1779 - Professional Services - Proj #17455	2,618.00
		<b>Subtotal - Project #17455</b>	<b>7,020.50</b>
DLZ Michigan Inc	SINV00278300	Inv# 000401570 - Engineering Services - Proj #17458	2,796.50
		<b>Subtotal - Project #17458</b>	<b>2,796.50</b>
DLZ Michigan Inc	SINV00277363	Inv# 000401404 - Engineering Services - Proj #17459	1,302.00
DLZ Michigan Inc	SINV00277368	Inv# 000401435 - Engineering Services - Proj #17459	1,113.00
JMK Consultants Inc	SINV00278621	Inv# 1756 - Professional Services - Proj #17459	2,805.00
		<b>Subtotal - Project #17459</b>	<b>5,220.00</b>
DLZ Michigan Inc	SINV00274894	Inv# 000401357 - Engineering Services - Proj #17554	25,029.95
DLZ Michigan Inc	SINV00278632	Inv# 000401409 - Engineering Services - Proj #17554	3,720.41
JMK Consultants Inc	SINV00278621	Inv# 1756 - Professional Services - Proj #17554	2,524.50
		<b>Subtotal - Project #17554</b>	<b>31,274.86</b>
DLZ Michigan Inc	SINV00278631	Inv# 000401408 - Engineering Services - Proj #17555	8,543.42
JMK Consultants Inc	SINV00278621	Inv# 1756 - Professional Services - Proj #17555	2,805.00
		<b>Subtotal - Project #17555</b>	<b>11,348.42</b>
Fishbeck	SINV00282411	Inv# 440889 - Contracted Services - Proj #17579	1,869.50
		<b>Subtotal - Project #17579</b>	<b>1,869.50</b>
Fishbeck	SINV00282411	Inv# 440889 - Contracted Services - Proj #17580	2,045.00
		<b>Subtotal - Project #17580</b>	<b>2,045.00</b>
Orchard Hiltz and McCliment Inc	SINV00277976	Inv# 76901 - Contracted Services - Proj #17581	2,336.25
		<b>Subtotal - Project #17581</b>	<b>2,336.25</b>
ADS LLC	SINV00280217	Inv# 35801-0524-I - Contracted Services	2,770.00
ADS LLC	SINV00280258	Inv# 35801-0524-A - Contracted Services	51,275.00
ADS LLC	SINV00280260	Inv# 35801-0524-K - Contracted Services	4,725.00
Applied Science Inc	SINV00277955	Inv# 8786 - Contracted Services	10,330.88
Applied Science Inc	SINV00277958	Inv# 8794 - Contracted Services	16,239.38
Applied Science Inc	SINV00277965	Inv# 8784 - Contracted Services	33,617.00
Applied Science Inc	SINV00277968	Inv# 8792 - Contracted Services	20,865.00
Applied Science Inc	SINV00277970	Inv# 8795 - Contracted Services	5,238.00
D'Angelo Brothers Inc	SINV00275228	Inv# 112224-31 - Contracted Services	30,205.08
Duke's Root Control Inc	SINV00282488	Inv# 24886 - Contracted Services	303,391.83
Orchard Hiltz and McCliment Inc	SINV00277975	Inv# 76895 - Contracted Services	5,093.75
		<b>Subtotal</b>	<b>483,750.92</b>
		<b>Total</b>	<b>547,661.95</b>

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

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

**DATE:** August 27, 2024

**SUBJECT:** Request for Approval of Invoices

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

<u>Payable To</u>	<u>Ref No.</u>	<u>For</u>	<u>Amount</u>
Hubbell Roth and Clark Inc	SINV00275522	Inv# 0218147 - Engineering Services - Proj #17450	9,438.57
Hubbell Roth and Clark Inc	SINV00275525	Inv# 0218145 - Engineering Services - Proj #17450	4,822.68
		<b>Subtotal - Project #17450</b>	<b>14,261.25</b>
Fishbeck	SINV00276499	Inv# 439832 - Engineering Services - Proj #17452	16,580.65
Neyer Tiseo & Hindo Ltd	SINV00277323	Inv# 636320 - Engineering Services - Proj #17452	4,551.75
Neyer Tiseo & Hindo Ltd	SINV00278287	Inv# 636324 - Engineering Services - Proj #17452	20,292.73
Neyer Tiseo & Hindo Ltd	SINV00279191	Inv# 636609 - Engineering Services - Proj #17452	14,342.73
Neyer Tiseo & Hindo Ltd	SINV00281231	Inv# 636654 - Engineering Services - Proj #17452	7,035.50
Meadowbrook Insurancy Agency	TBP	Inv# 12370 - Insurance - Proj #17452	50,440.00
		<b>Subtotal - Project #17452</b>	<b>113,243.36</b>
		<b>Total</b>	<b>127,504.61</b>

## **7. Rufe Collier Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE RUFÉ COLLIER DRAIN**

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of April 26, 2022
3. Public Comments
4. Present Memorandum from Taylor Warstler, Civil Engineer II, dated August 27, 2024, requesting the Board receive and file the project overview of the Pontiac Urban Wetland Restoration
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD  
FOR THE RUFÉ COLLIER DRAIN**

April 26, 2022

A meeting of the Drainage Board for the Rufe Collier 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 April 2022.

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 August 23, 2016, 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 \$12,842 for the Rufe Collier 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 \$12,842 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.



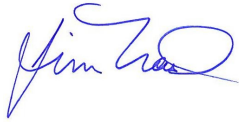
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Jim Nash, Chairperson

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 for the Rufe Collier Drain, Oakland County, Michigan, held on the 26<sup>th</sup> day of April 2022, 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 Rufe Collier Drain Drainage District.



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Jim Nash, Chairperson

Dated: April 26, 2022

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

**TO:** Jim Nash, Chairperson of Rufe Collier Drain Drainage Board

**FROM:** Taylor Warstler, Civil Engineer II

**SUBJECT:** Update of the Pontiac Urban Wetland Restoration Project

**DATE:** August 27, 2024

The Michigan Department of Natural Resources (DNR) has proposed awarding \$425,349 in grant funding for the design of a project intended to benefit the Bartlett Drain Drainage District, a Chapter 4 drainage district as well as Rufe Collier Drain Drainage District, a Chapter 20 drainage district as well as other properties. The Bartlett Drain Drainage District will be administering these funds for the design of this project.

Earlier this year, staff met with DNR officials at the site of the Pontiac Urban Wetland Restoration project. The project is situated between Martin Luther King, Jr. Boulevard and Opdyke Road. It contains approximately 62 acres of urban wetlands and 1.3 miles of country drains. The two county drains within the project are the Rufe Collier Drain and the Bartlett Drain.

Last month, proposals were solicited from three professional engineering firms to perform 60% of the design of the project. Drummond Carpenter, PLLC, an environmental engineering firm specializing in water resources engineering and research, was selected based on its award-winning project experience, its understanding of the project, and its highly qualified staff. It is understood that Drummond Carpenter will remain involved in the project to complete the design portion using a design-build approach with a selected construction contractor. The firm's proposed budget will cover 100% of the design which amounts to \$385,349. The remaining funds from the grant are allocated for a portion of staff time and contingencies. Construction funding is being sought through Ducks Unlimited's Wetland Conservation Program.

The project has been separated into two construction phases intended for the following outcomes:

- i. 62 acres of wetland restoration
- ii. 1.3 miles of stream restoration
- iii. Increased recreation and trail use for a disadvantaged community
- iv. Connecting the local Murphy Park trail system with the regional Clinton River Trail
- v. Water quality improvement to the Clinton River
- vi. Mitigate flooding issues on Opdyke Road
- vii. Increase climate resilience by providing more stormwater storage in the wetland

The portion of the project that involves the Rufe Collier Drain is the most upstream section of the project. It begins at the upstream end of the Rufe Collier Drain in Murphy Park and concludes at the confluence with the Bartlett Drain. More than 1,800 feet of channel restoration is included in this phase to create pools, riffles, and stabilize streambanks. The change in topography within Murphy Park is contributing to severe erosion within the park and along the drain. Part of the scope will require grade stabilization and stormwater management to address the accelerated erosion impacting the drain within the park.

**Requested Action: Receive and File.**



# Pontiac Urban Wetland Restoration Project



# Project Area



# Rufe Collier Drain - Project Overview

## Phase II Project Goals:

- 1,800 ft of channel restoration with pools, riffles, and bank stabilization
- Grade stabilization and stormwater management within Murphy Park to address accelerated erosion impacting the drain
- Creation of formal trails for safe and appropriate public access

## Design Phase:

- Drummond Carpenter to complete 60% designs of the project by early 2025
- Bid the project and utilize a design-build strategy to get to 100% designs

## Funding:

- The DNR is fully funding the engineering design cost of the project and half of WRC's staff time with no match required.



# Thank you!



## **8. Beechmont Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE BEECHMONT DRAIN**

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of March 22, 2022
3. Public Comments
4. Present Memorandum from Geoff Wilson, P.E., Chief Engineer, Drain Maintenance, dated August 27, 2024, requesting the Board authorize staff to proceed with the overhaul of the electrical equipment and components for the Beechmont Drain Pump Station for \$129,300
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

March 22, 2022

A meeting of the Drainage Board for the Beechmont 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 22<sup>th</sup> day of March 2022.

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 28, 2022 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. Public comment was given by Keego Harbor City Manager Tammy Neeb regarding the Maintenance Assessment Recommendation and Special Assessment Roll for the Drainage District. She inquired about payment options regarding the Special Assessment. Geoffrey Wilson advised that a 5-year payment plan is the maximum time frame for payment arrangements.


A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$86,951 for the Beechmont 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 \$86,951 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.



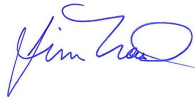
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Jim Nash, Chairperson

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 for the Beechmont Drain, Oakland County, Michigan, held on the 22<sup>nd</sup> day of March 2022 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 Beechmont Drain Drainage District.



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Jim Nash, Chairperson

Dated: March 22, 2022



**OAKLAND COUNTY  
WATER RESOURCES COMMISSIONER**

**MEMORANDUM**

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

**FROM: Geoff S. Wilson, P.E., Chief Engineer, Drain Maintenance**

**SUBJECT: Beechmont Drain Pump Station Electrical Overhaul**

**DATE: August 27, 2024**

The electrical equipment contained within the Beechmont Drain Pump Station in Keego Harbor have reached the end of their service life and require replacement. Most of the equipment is from the original construction of the lift station in 1989. Staff has prepared a scope of work to purchase and install the components as listed in the provided estimate. The proposed equipment and controls are consistent with pump stations standards for Oakland County WRC operated systems and are chosen for long term maintenance and reliability.

**Recommendation: Authorize staff to proceed with the overhaul of the electrical equipment and components for the Beechmont Drain Pump Station for \$129,300.**

**PMU Cost Estimating Worksheet**

**Project Description** Beechmont Drain Electrical Overhaul  
**Estimate #** 1

**Site Name** Beechmont Drain  
**Site Work Description** Replace Old/Failing Controls and Electrical Equipment

	Labor													Equipment				TOTAL
	Civil Engineer III	Supervisor 2	Supervisor 1	WRC Crew Leader	Skilled Mechanic 3	Pump Mechanic 2	Pump Mechanic 1	Eng. System Coord.	Engineering Tech	Technical Assist	Engineering Aide	Office Assistant 2	Office Assistant 1	Blazer/Suburban	3/4 Ton Pick-up	Crane Truck	Vactor Truck	
Cost / Hr.	\$ 107	\$ 97	\$ 93	\$ 63	\$ 89	\$ 64	\$ 60	\$ 73	\$ 69	\$ 57	\$ 52	\$ 49	\$ 44	\$ 6	\$ 6	\$ 15	\$ 59	
Asset 1 - Est. Man Hours	0	0	0	0	120	0	0	0	0	0	0	0	0	0	120	0	0	
(Sub total)	\$ -	\$ -	\$ -	\$ -	\$ 10,680	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 720	\$ -	\$ -	\$ 11,400.00
Asset 2 - Est. Man Hours	0	0	0	0	120	0	0	0	0	0	0	0	0	0	120	0	0	
(Sub total)	\$ -	\$ -	\$ -	\$ -	\$ 10,680	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 720	\$ -	\$ -	\$ 11,400.00
	Supplier			Description									Cost				\$94,500.00	
Asset 1 - Materials/Parts				Stainless Service Rack, Nema 4x Main Disconnect, concrete									\$17,000.00				\$23,000.00	
				200A Generator Receptacle and New MTS									\$6,000.00					
Asset 2 - Materials/Parts				(2) Nema 4 Starter Buckets w/Cabinet Enclosure									\$38,000.00				\$71,500.00	
				New Controls w/ PLC/Electrical Drawings and Cabinet									\$33,500.00					
	Contractor			Description									Cost				\$0.00	
Asset 1 - Subcontract Estimate																	\$0.00	
Asset 2 - Subcontract Estimate																	\$0.00	
Subtotal																		\$117,300.00
Contingency (%)																10%	\$11,730.00	
Estimated Total Cost																		\$129,030.00
Estimated Total Manhours																		240

**Complete these sections**

**Chapter 20 Drainage Board Meeting**  
Regular Meeting – Tuesday, August 27, 2024

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**9. Augusta Drain**

## **AGENDA**

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

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of June 25, 2024
3. Public Comments
4. Present Construction Estimate No. 1 for T.R. Pieprzak Co., Inc., for Construction of the Augusta Drain Norton Street Innovation Project in the amount of \$62,154.45 with a transfer to the Oakland County Treasurer in the amount of \$6,906.05
5. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$94,087
6. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$106,252.49
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 \$62,460.62
8. Other business
9. Approve pro rata payment to Drainage Board members
10. Adjourn

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

June 25, 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 25<sup>th</sup> day of June 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

Minutes of the meeting held May 21, 2024, were presented for consideration. It was moved by Woodward, supported by Nash, that the minutes be approved.

ADOPTED: Yeas - 2  
Nays - 0

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

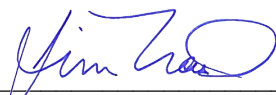
A memorandum from Jen Cook, P.E., Civil Engineer III, dated June 25, 2024, requesting the Board authorize the Chairperson to execute the engineering contract with Hubbell, Roth, & Clark, Inc. for a not-to-exceed price of \$99,120 was presented. It was moved by Woodward, supported by Nash, to authorize the Chairperson to execute the engineering contract with Hubbell, Roth, & Clark, Inc. for a not-to-exceed price of \$99,120 as presented.

ADOPTED: Yeas - 2  
Nays - 0

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

ADOPTED: Yeas - 2  
Nays - 0

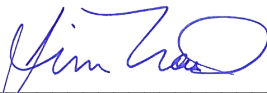
There being no further business, the meeting was adjourned.

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

STATE OF MICHIGAN                    )  
                                                  )SS.  
COUNTY OF OAKLAND                )

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Augusta Drain, Oakland County, Michigan, held on the 25<sup>th</sup> day of June 2024 and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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

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

Dated: June 25, 2024

**Jim Nash, Oakland County Water Resources Commissioner  
 Augusta Drain Drainage District  
 For Construction of the Augusta Drain Norton Street Innovation Project  
 City of Pontiac  
 Oakland County, Michigan**

Construction Estimate No.:	1	7/1/2024 to 7/31/2024	
Department No.:	6010101	Account No.:	730373
Fund No.:	FND82495	Program No.:	149015
Project No.:	PRJ-17215	Activity:	STD
Contractor:	T.R. Pieprzak Co., Inc. 6267 St. Clair Highway China Twp., MI 48054	Vendor No.:	
		Contract No.:	
		Date of Contract:	7/1/2024
		Completion Date:	6/30/2025

Original Contract Amount:		\$	852,612.88
Previous Change Order Numbers (none):		\$	-
Change Orders This Estimate Numbers (none):		\$	-
Total Net Change Orders:		\$	-
Adjusted Contract Amount:		\$	852,612.88
<hr/>			
Subtotal To Date: (Sheet 2 of 2, Column 8)		\$	69,060.50
Less Deductions To Date (Sheet 2 of 2, Column 8)		\$	-
Gross Estimate: (Work in Place)	8%	\$	69,060.50
Less Amount Reserved: (10% of Gross Estimate)		\$	6,906.05
Total Amount Allowed To Date:		\$	62,154.45
Less Previous Estimates:		\$	-
Net Payment Request To Be Paid To Contractor:		\$	62,154.45
Reserve Payment to Contractor:		\$	-
Balance of Contract To Date:	\$783,552.38	Accounting Auditor:	
<hr/>			
Less Previous Transfers To Reserve:		\$	-
Amount of Current Transfer:		\$	6,906.05

Prepared By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Jen Cook, P.E. - Project Engineer (WRC)

Recommended By: \_\_\_\_\_ Date: \_\_\_\_\_  
 John Balint, P.E. - Consulting Engineer (HRC)

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Joel Brown, P.E. - Chief Engineer (WRC)

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Steven Korth, P.E. - Chief Manager (WRC)

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

**JIM NASH**  
 OAKLAND COUNTY WATER RESOURCES COMMISSIONER

**Jim Nash, Oakland County Water Resources Commissioner**  
**Augusta Drain Drainage District**  
**For Construction of the Augusta Drain Norton Street Innovation Project**  
**City of Pontiac**  
**Oakland County, Michigan**

Construction Estimate No. 01		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Contract Item	Bid Quantity	Unit	Unit Price	Quantity This Payment	Total Quantity Previous	Total Quantity To Date	Total Amount To Date	Total Amount This Payment
1	Permit Allowance	5,000	Dlr	\$ 1.00			0	\$ -	\$ -
2	Mobilization (Max 5%)	1	Lsum	\$ 55,000.00	0.5		0.5	\$ 27,500.00	\$ 27,500.00
3	Tree, Rem, Less than 6 inch	3	Ea	\$ 250.00	3		3	\$ 750.00	\$ 750.00
4	Tree, Rem, 6 inch to 18 inch	16	Ea	\$ 600.00	18		18	\$ 10,800.00	\$ 10,800.00
5	Tree, Rem, 19 inch to 36 inch	12	Ea	\$ 1,300.00	18		18	\$ 23,400.00	\$ 23,400.00
6	Curb and Gutter, Rem	80	Ft	\$ 35.00			0	\$ -	\$ -
7	Spillway, Rem	1	Ea	\$ 840.00			0	\$ -	\$ -
8	Retaining Wall, Rem	1	Lsum	\$ 1,400.00			0	\$ -	\$ -
9	Structures, Rem Portions (Foundation Walls)	500	Cyd	\$ 23.60			0	\$ -	\$ -
10	Site Grading	1.89	Ac	\$ 102,436.00			0	\$ -	\$ -
11	Excavation, Earth	150	Cyd	\$ 37.50			0	\$ -	\$ -
12	Erosion Control, Silt Fence	1,252	Ft	\$ 2.30	1,275		1,275	\$ 2,932.50	\$ 2,932.50
13	Erosion Control, Inlet Protection, Fabric Drop	15	Ea	\$ 143.00	6		6	\$ 858.00	\$ 858.00
14	Erosion Control, Gravel Access, Approach	1	Ea	\$ 2,730.00			0	\$ -	\$ -
15	Aggregate Base, 6 inch (Path)	1,380	Syd	\$ 26.30			0	\$ -	\$ -
16	Aggregate Surface Cse, 4 inch	1,105	Syd	\$ 20.00			0	\$ -	\$ -
17	Sewer, Cl A, 12 inch, Tr Det A	137	Ft	\$ 81.00			0	\$ -	\$ -
18	Sewer End Sect, HDPE, 12 inch	2	Ea	\$ 407.00			0	\$ -	\$ -
19	Trench Undercut and Backfill (As Needed)	5	Cyd	\$ 95.00			0	\$ -	\$ -
20	Outlet Control Structure, HDPE, 24 inch dia.	2	Ea	\$ 4,150.00			0	\$ -	\$ -
21	Curb Cut Inlet	8	Ea	\$ 980.00			0	\$ -	\$ -
22	Fence, Protective (As Needed)	100	Ft	\$ 7.00			0	\$ -	\$ -
23	Minor Traffic Devices and Traf Regulator Control	1	Lsum	\$ 10,830.00			0	\$ -	\$ -
24	Riprap, Plain	22	Syd	\$ 140.00			0	\$ -	\$ -
25	One-Year Vegetation Maintenance and Guarantee	1	Lsum	\$ 88,938.00			0	\$ -	\$ -
26	Respreading of Existing Soils, 4 inch	731	Cyd	\$ 23.00			0	\$ -	\$ -
27	Compost for Amended In-Place Soils	206	Cyd	\$ 48.00			0	\$ -	\$ -
28	Shrubs, Deciduous	259	Ea	\$ 94.00			0	\$ -	\$ -
29	Trees, 2.5 inch caliper, Deciduous Canopy	29	Ea	\$ 552.00			0	\$ -	\$ -

**JIM NASH**

OAKLAND COUNTY WATER RESOURCES COMMISSIONER



**Jim Nash, Oakland County Water Resources Commissioner**  
**Augusta Drain Drainage District**  
**For Construction of the Augusta Drain Norton Street Innovation Project**  
**City of Pontiac**  
**Oakland County, Michigan**

Construction Estimate No. 01		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Contract Item	Bid Quantity	Unit	Unit Price	Quantity This Payment	Total Quantity Previous	Total Quantity To Date	Total Amount To Date	Total Amount This Payment
30	Trees, 2 inch caliper, Ornamental	16	Ea	\$ 404.00			0	\$ -	\$ -
31	Perennial Mix (Quart), 18 inches o.c.	2,111	Ea	\$ 4.88			0	\$ -	\$ -
32	Ledge Rock	29.5	Ton	\$ 800.00			0	\$ -	\$ -
33	Cobbles, 12 inch to 18 inch (Gravel Bands)	66	Ton	\$ 400.00			0	\$ -	\$ -
34	Washed Stone, 5 inch (Gravel Bands)	36	Ton	\$ 350.00			0	\$ -	\$ -
35	Flagstone (Creek Bed)	5,105	Sft	\$ 17.72			0	\$ -	\$ -
36	Weed Barrier Control	2,052	Syd	\$ 1.50			0	\$ -	\$ -
37	Seeded Turf Lawn	3,508	Syd	\$ 2.40			0	\$ -	\$ -
38	Sedge and Grass Seed Mix	1,808	Syd	\$ 8.67			0	\$ -	\$ -
39	Stormwater Native Seed Mix	2,135	Syd	\$ 9.30			0	\$ -	\$ -
40	Prairie Seed Mix	5,687	Syd	\$ 1.60			0	\$ -	\$ -
41	Clearing and Grubbing	301	Cyd	\$ 14.10	200		200	\$ 2,820.00	\$ 2,820.00
42	Sewer, 4-inch HDPE	42	Ft	\$ 39.07			0	\$ -	\$ -
43	Sewer, 4-inch HDPE Perforated with Sock (Backfill w/ 2NS Sand)	849	Ft	\$ 41.34			0	\$ -	\$ -
44	Cleanout, 4-inch HDPE	4	Ea	\$ 545.00			0	\$ -	\$ -
45	Imported Soil (As Needed)	150	Cyd	\$ 38.00			0	\$ -	\$ -
46	Concrete Foundation, End Section	2	Ea	\$ 4,000.00			0	\$ -	\$ -
47	Seal Wall at Overflow (Painted-On Concrete Sealer)	2	Ea	\$ 1,250.00			0	\$ -	\$ -

Change Orders:


Stored Materials:


Deductions:


**JIM NASH**  
**OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

**CONSTRUCTION ESTIMATE**

**Jim Nash, Oakland County Water Resources Commissioner  
 Augusta Drain Drainage District  
 For Construction of the Augusta Drain Norton Street Innovation Project  
 City of Pontiac  
 Oakland County, Michigan**

Construction Estimate No. 01	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Bid Quantity	Unit	Unit Price	Quantity This Payment	Total Quantity Previous	Total Quantity To Date	Total Amount To Date	Total Amount This Payment

Total Amount To-Date: \$ 69,060.50  
 Total Amount This Estimate: \$ 69,060.50  
  
 Change Orders To-Date: \$ -  
 Change Orders This Estimate: \$ -  
  
 Stored Materials To-Date: \$ -  
 Stored Materials This Estimate: \$ -  
  
 Subtotal To-Date: \$ 69,060.50  
 Subtotal This Estimate: \$ 69,060.50  
  
 Deductions To-Date: \$ -  
 Deductions This Estimate: \$ -  
  
 Payment This Estimate: \$ 69,060.50  
 Less Transfer to Reserve: \$ 6,906.05  
  
 Net Payment: \$ 62,154.45

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

Assessment for current fund deficit and estimated maintenance expenses for fiscal years: 2025 through 2027

Date last assessment approved:	09/27/22	
Last Assessment:		\$54,947
Current Available Cash*:		(\$85,854)

Expenditure History:	Fiscal Year	Amount
	2017	\$8,236
	2018	\$37,184
	2019	\$38,020
	2020	\$16,078
	2021	\$19,320
	2022	\$18,026
	2023	\$41,930
	2024 YTD	\$50,436

Estimated Expenditures:	Year	Amount
	2025	\$19,600
	2026	\$19,600
	2027	\$19,600
	<b>Total</b>	<b>\$58,800</b>

**Recommended Assessment:**

Current Cash Deficit*	\$35,287
Total Anticipated Expenses 2025 - 2027	\$58,800

**TOTAL RECOMMENDED ASSESSMENT \$94,087**

\*Current fund deficit reflects expenditures for the Norton St Park Project which will be collected in a separate project assessment

Prepared by: Andrea Craft Date: 08/15/2024  
 Andrea Craft - Senior 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 June 30, 2024, Fiscal Services Division Report.  
 \*(Less \$7,900 previously collected for special maintenance expenses, but not yet spent)

**SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE  
OF THE AUGUSTA 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	98.3810%	\$ 92,563.73	\$ 92,563.73	-	-
State of Michigan	1.6190%	\$ 1,523.27	\$ 1,523.27	-	-
<b>Total</b>	<b>100.000%</b>	<b>\$ 94,087.00</b>	<b>\$ 94,087.00</b>	<b>\$ -</b>	<b>\$ -</b>

\*Apportionment based on Final Order of Apportionment dated 1/20/1970.

Assessment Payment Due Date(s): Payment #1 09/30/2024

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

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

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

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

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

*SP for Shawn Phelps*

**DATE:** August 27, 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 August 20, 2024.

<u>Date</u>	<u>Ref No.</u>	<u>Paid To</u>	<u>For</u>	<u>Amount</u>
5/1/2023	# SINV00181467	Hubbell, Roth, & Clark, Inc	Invoice # 0204747 - Contracted Services - 03/4/23	\$ 20,689.28
5/2/2024	# SINV00178643	Fishbeck	Invoice # 423003 - Engineering Services - 04/14/23	2,789.25
6/5/2023	# SINV00185700	Hubbell, Roth, & Clark, Inc	Invoice # 0206383 - Contracted Services - 04/29/23	40,106.07
			Total	<u>\$ 63,584.60</u>
8/1/2024	# SINV00277972	Hubbell, Roth, & Clark, Inc	Invoice # 0218213 - Contracted Services - 06/22/24	\$ 20,679.71
8/21/2024	# SINV00282413	Hubbell, Roth, & Clark, Inc	Invoice # 0219356 - Contracted Services - 07/20/24	21,988.18
			Total Project 1-7215	<u>\$ 42,667.89</u>
			Total	<u>\$ 106,252.49</u>

**MEMO TO:** Mr. Jim Nash, Chairman  
of the Drainage Board for the AUGUSTA DRAIN (Construction)

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

*HP for Shawn Phelps*

**DATE:** August 27, 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 August 20, 2024.

<u>Date</u>	<u>Ref No.</u>	<u>Paid To</u>	<u>For</u>	<u>Amount</u>
7/30/2024	# SINV00277307	Hubbell, Roth, & Clark, Inc	Invoice # 0216146 - Engineering Services - 03/30/24 - Proj # 1-7557	\$10,847.96
7/30/2024	# SINV00277309	Hubbell, Roth, & Clark, Inc	Invoice # 0216892 - Engineering Services - 04/27/24 - Proj # 1-7557	19,777.15
7/30/2024	# SINV00277312	Hubbell, Roth, & Clark, Inc	Invoice # 0217557 - Engineering Services - 05/25/24 - Proj # 1-7557	25,077.63
7/30/2024	# SINV00277317	Hubbell, Roth, & Clark, Inc	Invoice # 0218152 - Engineering Services - 06/22/24 - Proj # 1-7557	6,757.88
<b>Total Project 1-7557</b>				<b><u>\$62,460.62</u></b>

## **10. Tribute Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE TRIBUTE DRAIN**

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of June 25, 2024
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$279,203
5. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$129,016.16
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn



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

June 25, 2024

A meeting of the Drainage Board for the Tribute Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 25<sup>th</sup> day of June 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

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

ADOPTED: Yeas - 2  
Nays - 0

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

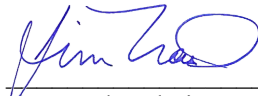
A memorandum from Garrett Shafer, E.I.T., Civil Engineer II, dated June 25, 2024, requesting the Board authorize DVM Utilities Inc. to proceed with services outlined in its May 2, 2024 proposal for a not-to-exceed price of \$100,000 based on its existing as-needed services contract No. 008744, and approve a project budget of \$149,875 was presented. It was moved by Woodward, supported by Nash, to authorize DVM Utilities Inc. to proceed with services outlined in its May 2, 2024 proposal for a not-to-exceed price of \$100,000 based on its existing as-needed services contract No. 008744, and approve a project budget of \$149,875 as presented.

ADOPTED: Yeas - 2  
Nays - 0

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

ADOPTED: Yeas - 2  
Nays - 0

There being no further business, the meeting was adjourned.



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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 Tribute Drain, Oakland County, Michigan, held on the 25<sup>th</sup> day of June 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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

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

Dated: June 25, 2024

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

Assessment for current fund deficit, estimated maintenance expenses for fiscal years 2024 through 2026  
and the Emergency Sinkhole Repair & Wixom Branch Rehab Projects

Date last assessment approved: 03/24/20  
Last Assessment: \$30,589  
Current Available Cash: (\$164,607)

<b>Expenditure History:</b>	<b>Fiscal Year</b>	<b>Amount</b>
	2017	\$1,553
	2018	\$4,496
	2019	\$2,904
	2020	\$5,938
	2021	\$16,368
	2022	\$5,723
	2023	\$138,089

<b>Estimated Expenditures:</b>	<b>Year</b>	<b>Amount</b>
	2024	\$6,000
	2025	\$6,000
	2026	\$6,000
	<b>Total</b>	<b>\$18,000</b>

**Recommended Assessment:**

Current Cash Deficit	\$20,695
Total Anticipated Expenses 2024 - 2026	\$18,000
Emergency Sinkhole Repair	\$136,408
Wixom Branch Rehab Project	\$104,100
<b>TOTAL RECOMMENDED ASSESSMENT</b>	<b>\$279,203</b>

Prepared by: Andrea Craft Date: 08/15/2024  
Andrea Craft - Senior 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 June 30, 2024, Fiscal Services Division Report.

**SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE  
OF THE TRIBUTE 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 Wixom	94.42%	\$ 263,623.47	\$ 263,623.47	-	-
Road Commission for County of Oakland on account of drainage to county highways	5.58%	\$ 15,579.53	\$ 15,579.53	-	-
Total	<b>100.00%</b>	<b>\$ 279,203.00</b>	<b>\$ 279,203.00</b>	<b>\$ -</b>	<b>\$ -</b>

\*Apportionment based on Final Order of Apportionment dated 6/21/2005.

Assessment Payment Due Date(s): Payment #1 09/30/2024

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

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

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

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

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

**DATE:** August 27, 2024

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

The following is a detail of Maintenance charges paid from the Drain Revolving  
for the period ending August 20, 2024.

<u>G/L Date</u>	<u>Ref No.</u>	<u>Paid To</u>	<u>For</u>	<u>Amount</u>
1/25/2024	# SINV00233740	Hubbell Roth & Clark Inc	Invoice # 0212413 Contracted Services - 11/11/23	\$ 1,943.56
10/31/2023	# SINV00217036	D'Angelo Brothers Inc	Invoice # 9008-WRCDrain - Contracted Services - 9/1/23	125,802.60
9/20/2023	# SINV00209843	Materials Testing Consultants Inc	Invoice # 0069198 - Contracted Services - 08/31/23	1,270.00
<b>Total</b>				<b>\$ 129,016.16</b>

## **11. Barnard Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE BARNARD DRAIN**

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of August 22, 2023
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$40,451
5. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$1,943.56
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn



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

August 22, 2023

A meeting of the Drainage Board for Barnard 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 22<sup>nd</sup> day of August 2023.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

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

Minutes of the meeting held September 21, 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.

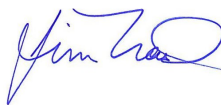
A memorandum from Joel Kohn, Environmental Planner, dated August 22, 2023, requesting the Board approve the cost for treatment of invasive species and authorize execution of the attached Oakland County Parks Agreement by the Chairperson was presented. It was moved by Markham, supported by Nash, to approve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

ADOPTED: Yeas - 2  
Nays - 0

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

ADOPTED: Yeas - 2  
Nays - 0

There being no further business, the meeting was adjourned.



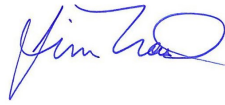
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Jim Nash, Chairperson

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 Barnard Drain, Oakland County, Michigan, held on the 22<sup>nd</sup> day of August, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



---

Jim Nash, Chairperson

Dated: August 22, 2023



**SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE  
OF THE BARNARD 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 Troy	94.352%	\$ 38,166.32	\$ 38,166.32	-	-
Road Commission for County of Oakland on account of drainage to county highways	3.099%	\$ 1,253.58	\$ 1,253.58	-	-
State of Michigan	2.549%	\$ 1,031.10	\$ 1,031.10	-	-
<b>Total</b>	<b>100.000%</b>	<b>\$ 40,451.00</b>	<b>\$ 40,451.00</b>	<b>\$ -</b>	<b>\$ -</b>

\*Apportionment based on Final Order of Apportionment dated 4/14/1972.

Assessment Payment Due Date(s): Payment #1 09/30/2024

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

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

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

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

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

**DATE:** August 27, 2024

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

The following is a detail of Maintenance charges paid from the Drain Revolving Fund for the period ending August 20, 2024.

<u>Date</u>	<u>Ref No.</u>	<u>Paid To</u>	<u>For</u>	<u>Amount</u>
1/12/2024	# SINV00233740	Hubbell Roth & Clark Inc	Invoice # 0212413 - Contracted Services - 11/11/23	\$ 1,943.56
				<u>\$ 1,943.56</u>

## **12. Douglas Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE DOUGLAS DRAIN**

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of September 21, 2021
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$13,500
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

September 21, 2021

A meeting of the Drainage Board for the Douglas 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 21<sup>st</sup> day of September, 2021.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

ABSENT: None

Minutes of the meeting held September 25, 2018 were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3  
Nays - 0

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

A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$19,309 for the Douglas Drain (as attached) were presented. It was moved by Markham, supported by Woodward, to adopt the Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$19,309 as presented.

ADOPTED: Yeas - 3  
Nays - 0

A request for reimbursement of the Drain Revolving Fund in the amount of \$918.78 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the reimbursement of the Drain Revolving Fund in the amount of \$918.78.

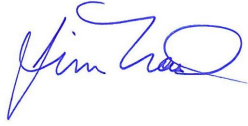
ADOPTED: Yeas - 3  
Nays - 0

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

ADOPTED: Yeas - 3  
Nays - 0



There being no further business, the meeting was adjourned.



---

Jim Nash, Chairperson

STATE OF MICHIGAN                    )  
                                                  )SS.  
COUNTY OF OAKLAND                )

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Douglas Drain, Oakland County, Michigan, held on the 21<sup>st</sup> day of September, 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 Douglas Drain Drainage District.



---

Jim Nash, Chairperson

Dated: September 21, 2021

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

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

Date last assessment approved:	09/21/21	
Last Assessment:		\$19,309
Current Available Cash:		\$164

Expenditure History:	Fiscal Year	Amount
	2017	\$1,689
	2018	\$3,473
	2019	\$4,543
	2020	\$4,131
	2021	\$5,278
	2022	\$2,671
	2023	\$6,193

Estimated Expenditures:	Year	Amount
	2024	\$4,500
	2025	\$4,500
	2026	\$4,500
	<b>Total</b>	<b>\$13,500</b>

**Recommended Assessment:**

Total Anticipated Expenses 2024 - 2026	\$13,500
----------------------------------------	----------

<b>TOTAL RECOMMENDED ASSESSMENT</b>	<b>\$13,500</b>
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Prepared by: Andrea Craft Date: 08/15/2024  
 Andrea Craft - Senior 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 June 30, 2024, Fiscal Services Division Report.

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

Public Corporation	*Percentage of Apportionment	Total Amount of Assessment	Payment #1	Payment #2	Payment #3
City of Troy	94.609%	\$ 12,772.21	\$ 12,772.21	-	-
Road Commission for County of Oakland on account of drainage to county highways	1.750%	\$ 236.25	\$ 236.25	-	-
State of Michigan	3.641%	\$ 491.54	\$ 491.54	-	-
Total	<b>100.000%</b>	<b>\$ 13,500.00</b>	<b>\$ 13,500.00</b>	<b>\$ -</b>	<b>\$ -</b>

\*Apportionment based on Final Order of Apportionment dated 6/8/1977.

Assessment Payment Due Date(s): Payment #1 09/30/2024

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

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

---

Jim Nash  
Chairman of the Drainage Board for the Douglas Drain

## **13. Nelson Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE NELSON DRAIN**

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of November 15, 2022
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$45,381
5. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$1,969.25
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

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

November 15, 2022

A meeting of the Drainage Board for the Nelson 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 15<sup>th</sup> day of November 2022.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

David Woodward, Chairperson of the Oakland County Board of Commissioners

ABSENT: None.

Minutes of the meeting held May 24, 2022, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3  
Nays - 0

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

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$3,650.94 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$3,650.94.

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 Nelson Drain, Oakland County, Michigan, held on the 15<sup>th</sup> day of November 2022, 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 Nelson Drain Drainage District.



---

Jim Nash, Chairperson

Dated: November 15, 2022



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

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

Date last assessment approved:	05/24/22	
Last Assessment:		\$18,081
Current Available Cash:		(\$13,281)

Expenditure History:	Fiscal Year	Amount
	2017	\$21,012
	2018	\$6,933
	2019	\$1,143
	2020	\$45,605
	2021	\$34,222
	2022	\$20,448
	2023	\$10,195

Estimated Expenditures:	Year	Amount
	2024	\$10,700
	2025	\$10,700
	2026	\$10,700
	<b>Total</b>	<b>\$32,100</b>

**Recommended Assessment:**

Current Cash Deficit	\$13,281
Total Anticipated Expenses 2024 - 2026	\$32,100

**TOTAL RECOMMENDED ASSESSMENT \$45,381**

Prepared by: Andrea Craft Date: 08/15/2024  
 Andrea Craft - Senior 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 June 30, 2024, Fiscal Services Division Report.  
 \*(less \$1,600 previously collected for special maintenance expenses, but not yet spent)

**SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE  
OF THE NELSON 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 Troy	90.45%	\$ 41,047.11	\$ 41,047.11	-	-
Road Commission for County of Oakland on account of drainage to county highways	4.60%	\$ 2,087.53	\$ 2,087.53	-	-
State of Michigan	4.95%	\$ 2,246.36	\$ 2,246.36	-	-
<b>Total</b>	<b>100.00%</b>	<b>\$ 45,381.00</b>	<b>\$ 45,381.00</b>	<b>\$ -</b>	<b>\$ -</b>

\*Apportionment based on Final Order of Apportionment dated 5/8/1985.

Assessment Payment Due Date(s): Payment #1 09/30/2024

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

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

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

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

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

**DATE:** August 27, 2024

**SUBJECT:** Request for Approval of Invoices

The following is a detail of charges paid from the Drain Revolving Fund  
for the period ending August 20, 2024.

<u>G/L Date</u>	<u>Ref No.</u>	<u>Paid To</u>	<u>For</u>	<u>Amount</u>
9/23/2023	# SINV00193563	Hubbell Roth & Clark Inc	Invoice # 0207401 - Contracted Services - 5/27/2023	\$ 1,969.25
			<b>Total</b>	<b>\$ 1,969.25</b>

## **14. Page Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE PAGE DRAIN**

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of September 21, 2021
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$6,108
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

September 21, 2021

A meeting of the Drainage Board for the Page 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 21<sup>st</sup> day of September, 2021.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

ABSENT: None

Minutes of the meeting held April 15, 2014 were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3  
Nays - 0

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

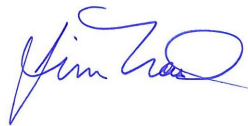
A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$8,473 for the Page Drain (as attached) were presented. It was moved by Markham, supported by Woodward, to adopt the Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$8,473 as presented.

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 Page Drain, Oakland County, Michigan, held on the 21<sup>st</sup> day of September, 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 Page Drain Drainage District.



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Jim Nash, Chairperson

Dated: September 21, 2021

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

**Page Drain**

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

Date last assessment approved:	09/21/21	
Last Assessment:		\$8,473
Current Available Cash:		(\$108)

Expenditure History:	Fiscal Year	Amount
	2017	\$767
	2018	\$1,027
	2019	\$1,367
	2020	\$1,532
	2021	\$1,598
	2022	\$1,177
	2023	\$1,359

Estimated Expenditures:	Year	Amount
	2024	\$1,500
	2025	\$1,500
	2026	\$1,500
	<b>Total</b>	<b>\$4,500</b>

**Recommended Assessment:**

Total Anticipated Expenses 2024 - 2026	\$4,500
Proposed Special Maintenance Expenses	\$1,500

**TOTAL RECOMMENDED ASSESSMENT \$6,108**

Prepared by: Andrea Craft Date: 08/15/2024  
 Andrea Craft - Senior 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 June 30, 2024, Fiscal Services Division Report.



# SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE OF THE PAGE DRAIN

Public Corporation	*Percentage of Apportionment	Total Amount of Assessment	Payment #1	Payment #2	Payment #3
City of Troy	100.0000%	\$ 6,108.00	\$ 6,108.00	-	-
<b>Total</b>	<b>100.000%</b>	<b>\$ 6,108.00</b>	<b>\$ 6,108.00</b>	<b>\$ -</b>	<b>\$ -</b>

\*Apportionment based on Final Order of Apportionment dated 6/11/1975.

Assessment Payment Due Date(s): Payment #1 09/30/2024

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

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

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

## **15. Quinn Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE QUINN DRAIN**

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of February 23, 2016
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$9,504
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

February 23, 2016

A meeting of the Drainage Board for the Quinn 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 February, 2016.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Chairperson and 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 September 23, 2014 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.

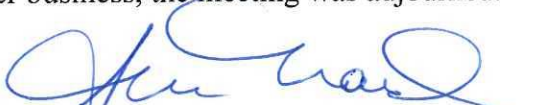
A request for reimbursement of the Drain Revolving Fund in the amount of \$87.67 (as attached) was presented. It was moved by Gingell, supported by Middleton, that the Drain Revolving Fund be reimbursed in the amount of \$87.67.

ADOPTED: Yeas - 3  
Nays - 0

It was moved by Nash, supported by Gingell, 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.




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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 Quinn Drain, Oakland County, Michigan, held on the 23<sup>rd</sup> day of February, 2016, 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 Quinn Drain Drainage District.

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

Dated: February 26<sup>th</sup>, 2016

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

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

Date last assessment approved:	N/A
Last Assessment:	N/A
Current Available Cash:	(\$2,004)

Expenditure History:	Fiscal Year	Amount
	2017	\$2,113
	2018	\$2,096
	2019	\$2,435
	2020	\$2,354
	2021	\$2,705
	2022	\$1,917
	2023	\$1,935

Estimated Expenditures:	Year	Amount
	2024	\$2,500
	2025	\$2,500
	2026	\$2,500
	<b>Total</b>	<b>\$7,500</b>

**Recommended Assessment:**

Current Cash Deficit	\$2,004
Total Anticipated Expenses 2024 - 2026	\$7,500

**TOTAL RECOMMENDED ASSESSMENT \$9,504**

Prepared by: Andrea Craft Date: 08/15/2024  
 Andrea Craft - Senior 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 June 30, 2024, Fiscal Services Division Report.

# SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE OF THE QUINN DRAIN

Public Corporation	*Percentage of Apportionment	Total Amount of Assessment	Payment #1	Payment #2	Payment #3
City of Troy	96.83%	\$ 9,202.72	\$ 9,202.72	-	-
Road Commission for County of Oakland on account of drainage to county highways	3.17%	\$ 301.28	\$ 301.28	-	-
Total	<b>100.000%</b>	<b>\$ 9,504.00</b>	<b>\$ 9,504.00</b>	<b>\$ -</b>	<b>\$ -</b>

\*Apportionment based on Final Order of Apportionment dated 5/19/1976.

Assessment Payment Due Date(s): Payment #1 09/30/2024

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

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Jim Nash  
Chairman of the Drainage Board for the Quinn Drain

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

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Jim Nash  
Chairman of the Drainage Board for the Quinn Drain

## **16. Richardson Drain**



## **AGENDA**

### **DRAINAGE BOARD FOR THE RICHARDSON DRAIN**

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of September 21, 2021
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$9,400
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

September 21, 2021

A meeting of the Drainage Board for the Richardson 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 21<sup>st</sup> day of September, 2021.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

ABSENT: None

Minutes of the meeting held July 15, 2008 were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3  
Nays - 0

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

A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$12,605 for the Richardson Drain (as attached) were presented. It was moved by Markham, supported by Woodward, to adopt the Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$12,605 as presented.

ADOPTED: Yeas - 3  
Nays - 0

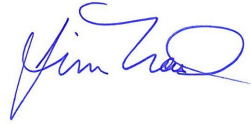
A request for reimbursement of the Drain Revolving Fund in the amount of \$87.67 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the reimbursement of the Drain Revolving Fund in the amount of \$87.67.

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.



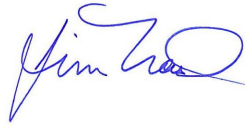
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Jim Nash, Chairperson

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 Richardson Drain, Oakland County, Michigan, held on the 21<sup>st</sup> day of September, 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 Richardson Drain Drainage District.



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Jim Nash, Chairperson

Dated: September 21, 2021

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

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

Date last assessment approved: 09/21/21  
 Last Assessment: \$12,605  
 Current Available Cash: \$840

<b>Expenditure History:</b>	<b>Fiscal Year</b>	<b>Amount</b>
	2017	\$949
	2018	\$2,080
	2019	\$1,418
	2020	\$1,535
	2021	\$1,531
	2022	\$1,169
	2023	\$2,045

<b>Estimated Expenditures:</b>	<b>Year</b>	<b>Amount</b>
	2024	\$1,800
	2025	\$1,800
	2026	\$1,800
	<b>Total</b>	<b>\$5,400</b>

**Recommended Assessment:**

Total Anticipated Expenses 2024 - 2026 \$5,400  
 Proposed Special Maintenance Expenses \$4,000

**TOTAL RECOMMENDED ASSESSMENT \$9,400**

Prepared by: Andrea Craft Date: 08/15/2024  
 Andrea Craft - Senior 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 June 30, 2024, Fiscal Services Division Report.

**SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE  
OF THE RICHARDSON 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 Troy	98.831%	\$ 9,290.11	\$ 9,290.11	-	-
Road Commission for County of Oakland on account of drainage to county highways	1.169%	\$ 109.89	\$ 109.89	-	-
<b>Total</b>	<b>100.000%</b>	<b>\$ 9,400.00</b>	<b>\$ 9,400.00</b>	<b>\$ -</b>	<b>\$ -</b>

\*Apportionment based on Final Order of Apportionment dated 6/5/1974.

Assessment Payment Due Date(s): Payment #1 09/30/2024

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

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

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

## **17. Roth Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE ROTH DRAIN**

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of November 16, 2021
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$26,816
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn



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

November 16, 2021

A meeting of the Drainage Board for the Roth 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 16<sup>th</sup> day of November, 2021.

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 August 24, 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.

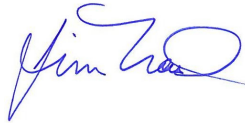
A request for approval to reimburse the Drain Revolving Fund in the amount of \$3,442.35 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and reimbursement of the Drain Revolving Fund in the amount of \$3,442.35.

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.



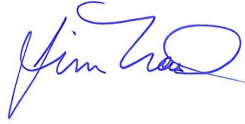
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Jim Nash, Chairperson

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 Roth Drain, Oakland County, Michigan, held on the 16<sup>th</sup> day of November, 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 Roth Drain Drainage District.



---

Jim Nash, Chairperson

Dated: November 16, 2021

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

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

Date last assessment approved:	08/24/21	
Last Assessment:		\$84,889
Current Available Cash:		(\$116)

Expenditure History:	Fiscal Year	Amount
	2017	\$9,652
	2018	\$5,195
	2019	\$5,232
	2020	\$11,192
	2021	\$14,316
	2022	\$6,097
	2023	\$13,496

Estimated Expenditures:	Year	Amount
	2024	\$8,900
	2025	\$8,900
	2026	\$8,900
	<b>Total</b>	<b>\$26,700</b>

**Recommended Assessment:**

Total Anticipated Expenses 2024 - 2026	\$26,700
----------------------------------------	----------

<b>TOTAL RECOMMENDED ASSESSMENT</b>	<b>\$26,816</b>
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Prepared by: Andrea Craft Date: 08/15/2024  
 Andrea Craft - Senior 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 June 30, 2024, Fiscal Services Division Report.

**SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE  
OF THE ROTH 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 Troy	88.028%	\$ 23,605.59	\$ 23,605.59	-	-
Road Commission for County of Oakland on account of drainage to county highways	1.879%	\$ 503.87	\$ 503.87	-	-
State of Michigan	10.093%	\$ 2,706.54	\$ 2,706.54	-	-
<b>Total</b>	<b>100.000%</b>	<b>\$ 26,816.00</b>	<b>\$ 26,816.00</b>	<b>\$ -</b>	<b>\$ -</b>

\*Apportionment based on Final Order of Apportionment dated 9/27/1978.

Assessment Payment Due Date(s): Payment #1 09/30/2024

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

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

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

## **18. Joachim Relief Drain**

## **AGENDA**

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

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of May 21, 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 \$21,589.72
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

May 21, 2024

A meeting of the Drainage Board for the Joachim 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 21<sup>st</sup> day of May 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

David Woodward, Chairperson of the Oakland County Board of Commissioners

ABSENT: None.

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

ADOPTED: Yeas - 3  
Nays - 0

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

A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$43,715 for the Joachim Drain (as attached) were presented. It was moved by Markham, supported by Woodward, to adopt the Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$43,715 as presented.

ADOPTED: Yeas - 3  
Nays - 0


A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$14,542.31 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$14,542.31.

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 of the Joachim Drain, Oakland County, Michigan, held on the 21<sup>st</sup> day of May 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 Drain Drainage District.



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Jim Nash, Chairperson

Dated: May 21, 2024

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

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

*HP for Shawn Phelps*

**DATE:** August 27, 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 August 20, 2024.

<u>Date</u>	<u>Ref No.</u>	<u>Paid To</u>	<u>For</u>	<u>Amount</u>
7/30/2024	V # SINV00277327	Hubbell Roth & Clark Inc	Invoice # 0216148 - Engineering Services - 03/30/24 - Proj # 1-7558	\$ 2,568.69
7/30/2024	V # SINV00277330	Hubbell Roth & Clark Inc	Invoice # 0216896 - Engineering Services - 04/27/24 - Proj # 1-7558	2,080.08
7/30/2024	V # SINV00277331	Hubbell Roth & Clark Inc	Invoice # 0217559 - Engineering Services - 05/25/24 - Proj #1-17558	5,953.07
7/30/2024	V # SINV00277333	Hubbell Roth & Clark Inc	Invoice # 0218153 - Engineering Services - 06/22/24 - Proj # 1-7558	10,987.88
			Total	<u>\$ 21,589.72</u>

## **19. Joseph Jones Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE JOSEPH JONES DRAIN**

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of June 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 \$36,393.16
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

July 23, 2024

A meeting of the Drainage Board for the Joseph Jones Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 23<sup>rd</sup> day of July 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 June 25, 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 \$25,606.47 (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 \$25,606.47.

ADOPTED: Yeas - 2  
Nays - 0

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

ADOPTED: Yeas - 2  
Nays - 0


There being no further business, the meeting was adjourned.

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

STATE OF MICHIGAN                    )  
                                                  )SS.  
COUNTY OF OAKLAND                )

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Joseph Jones Drain, Oakland County, Michigan, held on the 23<sup>rd</sup> day of July 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 Joseph Jones Drain Drainage District.

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

Dated: July 23, 2024

**MEMO TO:** Mr. Jim Nash, Chairman  
of the Drainage Board for the JOSEPH JONES DRAIN - (Construction Fund)

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

*HP for Shawn Phelps*

**DATE:** August 27, 2024

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

<u>Date</u>	<u>Ref No.</u>	<u>Paid To</u>	<u>For</u>	<u>Amount</u>
8/7/2024	V # SINV00279214	Drummond Carpenter PLLC	Invoice # 5026 - Contracted Services - 6/30/24 - Proj 1-7603	\$ 10,933.36
			<b>Total Project 1-7603</b>	<b>\$ 10,933.36</b>
8/7/2024	V # SINV00279216	Geosyntec Consultants of Michigan	Invoice # 187570098 - Contracted Services - Proj 1-7604	\$ 25,459.80
			<b>Total Project 1-7604</b>	<b>\$ 25,459.80</b>
			<b>Total</b>	<b>\$ 36,393.16</b>

**Chapter 20 Drainage Board Meeting**  
Regular Meeting – Tuesday, August 27, 2024

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**20. Mainland Drain**



## **AGENDA**

### **DRAINAGE BOARD FOR THE MAINLAND DRAIN**

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of July 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 \$60,220.88
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

July 23, 2024

A meeting of the Drainage Board for the Mainland 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 July 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 in the amount of \$77,003.07 (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 \$77,003.07.

ADOPTED: Yeas - 2  
Nays - 0

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

ADOPTED: Yeas - 2  
Nays - 0


There being no further business, the meeting was adjourned.

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

STATE OF MICHIGAN                    )  
                                                  )SS.  
COUNTY OF OAKLAND                )

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Mainland Drain, Oakland County, Michigan, held on the 23<sup>rd</sup> day of July 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 Mainland Drain Drainage District.

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

Dated: July 23, 2024

**MEMO TO:** Mr. Jim Nash, Chairman  
of the Drainage Board for the MAINLAND DRAIN ( Construction Fund)

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

**DATE:** August 27, 2024

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

<u>Date</u>	<u>Ref No.</u>	<u>Paid To</u>	<u>For</u>	<u>Amount</u>
8/5/2024	# SINV00278629	GEI Consultants Inc	Invoice #025022326 - Contracted Services - 06/01/24- 06/28/24 - Proj 1-7640	\$ 22,796.25
8/5/2024	# SINV00278627	GEI Consultants Inc	Invoice #025022000r - Contracted Services - 2/24/24- 03/29/24 - Proj 1-7640	37,424.63
			<b>TOTAL Project 1-7640</b>	<b>\$ 60,220.88</b>

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

## **AGENDA**

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

August 27, 2024

1. Call meeting to order
2. Approve minutes of meeting of May 21, 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 \$33,103.10
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

May 21, 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 21<sup>st</sup> day of May 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

David Woodward, Chairperson of the Oakland County Board of Commissioners

ABSENT: None.

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

ADOPTED: Yeas - 3  
Nays - 0

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

A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$21,000 for the Pontiac Clinton River No. 1 Drain (as attached) were presented. It was moved by Markham, supported by Woodward, to adopt the Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$21,000 as presented.

ADOPTED: Yeas - 3  
Nays - 0

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$12,347.38 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$12,347.38.

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 of the Pontiac Clinton River No. 1 Drain, Oakland County, Michigan, held on the 21<sup>st</sup> day of May 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: May 21, 2024

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

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

**DATE:** August 27, 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>
Hubbell, Roth & Clark, Inc	V # SINV00277308	Invoice # 216147 - Engineering Services - 03/30/24 - Proj 1-7559	\$ 3,896.54
Hubbell, Roth & Clark, Inc	V # SINV00277311	Invoice # 216893 - Engineering Services - 04/27/24 - Proj 1-7559	15,256.81
Hubbell, Roth & Clark, Inc	V # SINV00277314	Invoice # 217558 - Engineering Services - 05/25/24 - Proj 1-7559	13,949.75
		<b>Total Project 1-7559</b>	<b><u>33,103.10</u></b>
		<b>Total Project 1-7559</b>	<b>\$ <u>33,103.10</u></b>