

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 Drain
7. Augusta Drain
8. Pontiac Clinton River No. 1 Drain
9. Joachim Relief Drain
10. Wilmont Drain
11. Caddell Drain
12. McCulloch Drain
13. Northwest Oakland Sanitary Sewer Drain

NOTICE IS HEREBY GIVEN THAT MEETINGS OF THE DRAINAGE BOARD FOR THE ABOVE-MENTIONED DRAINS WILL COMMENCE IN THE OAKLAND COUNTY PUBLIC WORKS BUILDING, ONE PUBLIC WORKS DRIVE, WATERFORD, MICHIGAN, AND VIA **MICROSOFT TEAMS** AT 2:00 P.M., ON **TUESDAY, OCTOBER 25, 2022**, TO CONDUCT NECESSARY AND APPROPRIATE BUSINESS OF THE DRAIN BOARDS. THOSE THAT WISH TO PARTICIPATE REMOTELY MAY FOLLOW THE INSTRUCTIONS ATTACHED TO THIS NOTICE. ALL BOARD MEMBERS WILL BE PARTICIPATING IN-PERSON.

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

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

Posted by: October 19, 2022

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Chapter 20 Drainage Board Meeting
Regular Meeting – Tuesday, October 25, 2022

1. Acacia Park CSO

AGENDA

DRAINAGE BOARD FOR THE ACACIA PARK CSO DRAIN

October 25, 2022

1. Call meeting to order
2. Approve minutes of meeting of September 27, 2022
3. Public Comments
4. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$7,183.36
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**

September 27, 2022

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 27th day of September 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 August 23, 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 \$22,310.00 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$22,310.00.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.



Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Acacia Park CSO Drain, Oakland County, Michigan, held on the 27th day of September 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 Acacia Park CSO Drain Drainage District.



Jim Nash, Chairperson

Dated: September 27, 2022

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 *For Shawn Phelps*

DATE: October 25, 2022

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 October 19, 2022

G/L Date	Ref No.	Paid To	For	Amount
10/1/2022	V # SINV00136911	ICS Integration Services LLC	Invoice # 2317 - Contracted Services	2,180.00
9/30/2022	V # SINV00136485	ICS Integration Services LLC	Invoice # 2482 - Contracted Services	476.00
			Total	\$ 2,656.00
	TBP	Hubbell Roth & Clark Inc	Invoice # 0198526 - Contracted Services - 7/9/22	\$ 586.50
	TBP	Hubbell Roth & Clark Inc	Invoice # 0199323 - Contracted Services - 8/6/22	318.00
	TBP	Hubbell Roth & Clark Inc	Invoice # 0200011 - Contracted Services - 9/3/22	3,534.36
	TBP	Hubbell Roth & Clark Inc	Invoice # 0200561 - Contracted Services - 9/30/22	88.50
			Project # 1--7086 Total	\$ 4,527.36
			Total	\$ 7,183.36

2. Birmingham CSO

AGENDA

DRAINAGE BOARD FOR THE BIRMINGHAM CSO DRAIN

October 25, 2022

1. Call meeting to order
2. Approve minutes of meeting of September 27, 2022
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 \$33,482.87
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**

September 27, 2022

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 27th day of September 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 August 23, 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 \$15,907.25 (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 \$15,907.25

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 Birmingham CSO Drain, Oakland County, Michigan, held on the 27th day of September 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 Birmingham CSO Drain Drainage District.



Jim Nash, Chairperson

Dated: September 27, 2022

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

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

DATE: September 25, 2022

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 October 19, 2022

G/L Date	Ref No.	Paid To	For	Amount
9/30/2022	V # SINV00136485	ICS Integration Services LLC	Invoice # 2482 - Contracted Services	476.00
			Sub Total	\$ 476.00
	TBP	Kentain Products Limited	Invoice # 7035 - Contracted Services - Project 1-3497	26,850.00
			Sub Total - Project 1-3497	\$ 26,850.00
	TBP	Hubbell Roth Clark Inc	Invoice # 0198525 - Contracted Services - 07/09/2022	\$ 665.25
	TBP	Hubbell Roth Clark Inc	Invoice # 0199322 - Contracted Services - 08/06/2022	\$ 318.00
	TBP	Hubbell Roth Clark Inc	Invoice # 0200010 - Contracted Services - 09/03/2022	\$ 3,727.62
	TBP	Hubbell Roth Clark Inc	Invoice # 0200560 - Contracted Services - 09/30/2022	\$ 88.50
			Subtotal Project # 1-7087	\$ 4,799.37
9/30/2022	V # SINV00136433	Applied Science Inc	Invoice # 8131 - Contracted Services - 3/20/22 - 05/28/22	\$ 1,357.50
			Subtotal Project # 1-3196	\$ 1,357.50
			Total	\$ 33,482.87

3. Bloomfield Village CSO

AGENDA

DRAINAGE BOARD FOR THE BLOOMFIELD VILLAGE CSO DRAIN

October 25, 2022

1. Call meeting to order
2. Approve minutes of meeting of September 27, 2022
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 \$587,937.09
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

September 27, 2022

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 27th day of September 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 August 23, 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. Resident Joseph Jonna addressed the Board regarding various issues related to an emergency project located in the backyard of his home, located within the Drainage District. Mr. Jonna furthered on the details of the emergency project and the effects it has had on his property. He concluded in stating he is looking forward to communication from the WRC to resolve the issues he presented. Members of the Board thanked Mr. Jonna for his time and attention to the matter involving his property.

A motion was made by Woodward, supported by Markham, to enter into closed session at 2:22 p.m. to discuss a memorandum with the Drainage District's attorney, which is exempt from disclosure as subject to attorney-client privilege pursuant to section 13(1)(g) of the Freedom of Information Act.

ADOPTED: Yeas - 3
Nays - 0

Chairperson Nash declared the closed session ended at 3:04 p.m.

It was moved by Markham, supported by Woodward, to authorize action consistent with the recommendation of legal counsel made in closed session.

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 \$9,233.59 (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 \$9,233.59.

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.

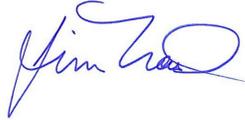


Jim Nash, Chairperson

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 Bloomfield Village CSO Drain, Oakland County, Michigan, held on the 27th day of September 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 Bloomfield Village CSO Drain Drainage District.



Jim Nash, Chairperson

Dated: September 27, 2022

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

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

DATE: October 25, 2022

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 October 19, 2022

G/L Date	Ref No.	Paid To	For	Amount
10/1/2022	V # SIN00136912	ICS Integration Services LLC	Invoice # 2319 - Contracted Services	\$ 1,308.00
9/30/2022	V # SIN00136485	ICS Integration Services LLC	Invoice # 2482 - Contracted Services	476.00
			Subtotal	\$ 1,784.00
9/30/2022	V # SIN00134306	Shaw Service & Maintenance	Invoice #910007001 - Contracted Services	\$ 2,878.72
			Project # 1-3501 Subtotal	\$ 2,878.72
	TBP	FK Engineering Associates	Invoice # 22-079-001 - Contracted Services - 06/30/22 - 08/20/22	\$ 60,093.91
	TBP	FK Engineering Associates	Invoice # 22-079-002 - Contracted Services - 08/21/22 - 09/24/22	9,011.15
10/1/2022	V # SIN00137482	D'Angelo Brothers Inc.	Invoice # 8369-WRC- Contracted Services - 6/27/22 - 9/20/22	510,000.00
			Project # 1-7077 Subtotal	\$579,105.06
	TBP	Hubbell Roth & Clark Inc	Invoice # 0198527 - Contracted Services - 07/09/22	\$ 586.50
	TBP	Hubbell Roth & Clark Inc	Invoice # 0199324 - Contracted Services - 08/06/22	431.79
	TBP	Hubbell Roth & Clark Inc	Invoice # 0200028 - Contracted Services - 09/03/22	3,062.52
	TBP	Hubbell Roth & Clark Inc	Invoice # 0200562 - Contracted Services - 09/30/22	88.50
			Subtotal Project # 1-7088	4,169.31
			Total	\$587,937.09

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

AGENDA

DRAINAGE BOARD FOR THE CLINTON RIVER WATER RESOURCE RECOVERY FACILITY

October 25, 2022

1. Call meeting to order
2. Approve minutes of meeting of September 27, 2022
3. Public Comments
4. Present request for Board approval of payment of invoices and/or reimbursement from the Construction Fund in the amount \$21,062.85
5. 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 \$226,995.97
6. Other business
7. Approve pro rate payment to Drainage Board members
8. Adjourn

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

September 27, 2022

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 27th day of September 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 August 23, 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 proposal from Meadowbrook Insurance Agency regarding the renewal of the General Liability, Public Official Liability Policy, and Pollution Liability was presented. It was moved by Markham, supported by Woodward to authorize the Chairperson to bind coverage in accordance with the insurance proposal recommendations from Meadowbrook Insurance Agency with Lexington (AIG) and approve payment of any premium and/or other invoices associated with the policy renewals.

ADOPTED: Yeas - 3
Nays - 0

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund from the Construction Fund in the amount of \$7,062.33 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund from the Construction Fund in the amount of \$7,062.33.

ADOPTED: Yeas - 3
Nays - 0

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund from the Maintenance Fund in the amount of \$480,047.25 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund from the Maintenance Fund in the amount of \$480,047.25.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.



Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Clinton River Water Resource Recovery Facility, Oakland County, Michigan, held on the 27th day of September 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 Clinton River Water Resource Recovery Facility.



Jim Nash, Chairperson

Dated: September 27, 2022

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

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

DATE: October 25, 2022

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

	Ref No.	For	Amount
CDM Smith Michigan, Inc	V # SINV00137478	Invoice # 65 - Engineering Admin - 08/28/22 - 10/1/22 - Proj 1-2181	\$ 21,062.85
		Total for Project # 1-2181	\$ 21,062.85

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

FOR SHAWN PHELPS

DATE: October 25, 2022

SUBJECT: Request for Approval of Invoices

The following is a detail of charges paid from the Drain Revolving Fund and Invoices for the period of September 22, 2022 to October 21, 2022.

Payable To	Ref No.	For	Amount
Atlas Copco Compressors LLC	V # SINV00137235	Invoice # 1122099008 - Material and Supplies	\$ 1,280.00
PVS Technologies Inc	V # SINV00136816	Invoice # 320028 - Chemical Treatment	3,986.08
PVS Technologies Inc	TBP	Invoice # 320405 - Chemical Treatment	2,378.88
Polydyne Inc	TBP	Invoice # 1676720 - Chemical Treatment	49,797.00
Polydyne Inc	TBP	Invoice # 1678695 - Chemical Treatment	49,236.00
Jones Chemicals Inc	TBP	Invoice # 895221 - Chemical Treatment	2,969.52
Jones Chemicals Inc	TBP	Invoice # 897226 - Chemical Treatment	5,880.82
Jones Chemicals Inc	TBP	Invoice # 897479 - Chemical Treatment	3,168.38
MacAllister / Michigan CAT	TBP	Invoice # R86482127301 - Equipment Rental	1,975.00
Cambi Inc	V # SINV00136436	Invoice # 609810-SP-015 - Material and Supplies	13,504.00
Cambi Inc	V # SINV00136469	Invoice # 609810-SP-016 - Material and Supplies	3,704.52
Cambi Inc	V # SINV00136803	Invoice # 609810-SP-017 - Material and Supplies	7,485.21
Orion Marketing Group LLC	V # SINV00132782	Invoice # POC-2022 - Uniforms	1,099.50
McNaughton-McKay Electric Company	TBP	Invoice # 22775186-00 - Material and Supplies	2,386.14
Waste Management	TBP	Invoice # 8636385-1714-5 - Garbage & Rubbish Disposal	1,358.85
Pipeline Management Company	TBP	Invoice # 22-00258 - Contracted Services	1,880.00
Applied Science Inc	V # SINV00136412	Invoice # 8130 - Contracted Services	1,005.50
CleanNet of Greater Michigan, Inc	TBP	Invoice # DET0102096 - Contracted Services - October 2022	1,601.38
D3W Industrials	V # SINV00136474	Invoice # 3514 - Material and Supplies	5,720.00
D3W Industrials	V # SINV00137257	Invoice # 3540 - Material and Supplies	5,720.00
D.J. Conley Associates, Inc	V # SINV00136808	Invoice # SI-47533-1 - Contracted Services	1,989.26
D.J. Conley Associates, Inc	TBP	Invoice # SI-47694-1 - Contracted Services	1,350.00
D.J. Conley Associates, Inc	TBP	Invoice # SI-47714-1 - Contracted Services	1,034.96
Davis & Davis Law Office LLC	V # SINV00134183	Invoice # OCWRC-09-21-22 - Legal Services	17,932.50
D'Angelo Brothers Inc	V # SINV00132412	Invoice # 8419-WWTP - Contracted Services	2,858.00
Jacobs Consultants Inc	V # SINV00136825	Invoice # C6A19600-05- Engineer & Survey	17,417.01
United Lawnscape	V # SINV00137160	Invoice UE500760 - Contracted Services	3,459.00
Fishbeck, Thompson, Carr & Huber Inc	TBP	Invoice # 416046 - Engineering and Survey - 09/30/22	372.00
MAP/Michigan Air Products	TBP	Invoice # 1217521 - Contracted Services	680.00
			Subtotal \$ 213,229.51
Fishbeck, Thompson, Carr & Huber Inc	V # SINV00137479	Invoice # 416038 - Contracted Services - 9/30/22 - Proj # 1-3492	\$ 696.50
			Subtotal - Project 1-3492 \$ 696.50
Hubbell Roth & Clark Inc	V # SINV00137480	Invoice # 0200569 - Engineering Services - 09/30/22 - Proj #1-3679	519.96
			Subtotal - Project 1-3679 \$ 519.96
PM Environmental LLC	TBP	Invoice # 102084 - Contracted Services - Proj #1-7085	\$ 12,550.00
			Subtotal - Project 1-7085 \$ 12,550.00
			Total \$ 226,995.97

5. George W. Kuhn Drain

AGENDA

DRAINAGE BOARD FOR THE GEORGE W. KUHN DRAIN

October 25, 2022

1. Call meeting to order
2. Approve minutes of meeting of September 27, 2022
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 \$108,749.88
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

September 27, 2022

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 27th day of September 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 August 23, 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.

Construction Estimate No.1 for the I-75 Tunnel Pump Station Alternate Outlet in the amount of \$174,382.98 with a transfer to the Oakland County Treasurer in the amount of \$19,375.89 was presented. It was moved by Markham, supported by Woodward, to approve Construction Estimate No.1 for the I-75 Tunnel Pump Station Alternate Outlet in the amount of \$174,382.98 with a transfer to the Oakland County Treasurer in the amount of \$19,375.89 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 \$68,464.13 (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 \$68,464.13.

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 George W. Kuhn Drain, Oakland County, Michigan, held on the 27th day of September 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 George W. Kuhn Drain Drainage District.



Jim Nash, Chairperson

Dated: September 27, 2022

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

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

DATE: October 25, 2022

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>
OHM Advisors	TBP	Invoice # 55674 - Contracted Services -09/17/22	\$ 7,184.58
Dickinson Wright PLLC	TBP	Invoice # 1724809 - Legal Services - 07/31/22	42,646.77
Dickinson Wright PLLC	TBP	Invoice # 1732226 - Legal Services - 08/31/22	11,292.27
Hubbell Roth & Clark Inc	TBP	Invoice # 0198563 - Contracted Services - 07/09/22	5,228.36
Hubbell Roth & Clark Inc	TBP	Invoice # 0199303 - Contracted Services - 08/06/22	2,644.14
		Subtotal	\$ 68,996.12
Hubbell Roth & Clark Inc	TBP	Invoice # 0198524 Contracted Services - 07/09/22	\$ 973.50
Hubbell Roth & Clark Inc	TBP	Invoice # 0199321 - Contracted Services - 08/06/22	3,014.76
Hubbell Roth & Clark Inc	TBP	Invoice # 0200009 - Contracted Services - 09/03/22	4,255.50
Hubbell Roth & Clark Inc	TBP	Invoice # 0200559 - Contracted Services - 09/30/22	3,510.00
		Subtotal Project # 1-7089	\$ 11,753.76
Kentain Products Limited	TBP	Invoice # 7035 - Contracted Services	28,000.00
		Subtotal Project # 1-3670	\$ 28,000.00
		Total	\$ 108,749.88

**6. Evergreen-Farmington
Sanitary Drain**

AGENDA

DRAINAGE BOARD FOR THE EVERGREEN-FARMINGTON SANITARY DRAIN

October 25, 2022

1. Call meeting to order
2. Approve minutes of meeting of September 27, 2022
3. Public Comments
4. Present Change Order No. 4 from Walsh Construction for construction of the 8 Mile Corrective Action Plan – Phase 1 for a net increase in the amount of \$2,311,820.95
5. Present Change Order No. 5 from Walsh Construction for construction of the 8 Mile Corrective Action Plan – Phase 1 for a net increase in the amount of \$1,044,145.02
6. Present Change Order No. 6 from Walsh Construction for construction of the 8 Mile Corrective Action Plan – Phase 1 for a net increase in the amount of \$3,005,633.15
7. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$110,197.42
8. Other business
9. Approve pro rata payment to Drainage Board members
10. Adjourn

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

September 27, 2022

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 27th day of September 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 August 23, 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 memorandum from Evans Bantios, P.E. Project Engineer, dated September 27, 2022, requesting the Board to approve the revised budget for the Walnut Lake No. 3 Pump Station Rehabilitation Project for a not-to-exceed amount of \$1,731,000 was presented. It was moved by Markham, supported by Woodward, to approve the revised budget for the Walnut Lake No. 3 Pump Station Rehabilitation Project for a not-to-exceed amount of \$1,731,000 as presented.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.



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 27th day of September 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 Evergreen-Farmington Sanitary Drain Drainage District.



Jim Nash, Chairperson

Dated: September 27, 2022

CHANGE ORDER NO. 4

**Jim Nash, Oakland County Water Resources Commissioner
 Evergreen Farmington Sanitary Drain Drainage District
 For Construction of the 8 Mile Road Corrective Action Plan - Phase I
 Southfield, Michigan
 Oakland County, Michigan**

Authorization for Extras To & Changes In Contract

Department No. : 6010101
 Fund No. : 58410
 Project No. : 1-3181

Account No. : 730352
 Program No. : 149667
 Project Activity : FAC

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

Contract No. : 6628
 Date of Contract: 2/9/22
 Completion Date: 12/31/22

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
3-1	<p>LOCATION:</p> <p>8 Mile CAP (Preconstruction Services - Ref. attached Walsh Bid Package Docs)</p> <p>DESCRIPTION (Change/Add):</p> <p>Grant Walsh authorization to enter into a subcontract with Kennedy Industries, the low bidder, for four (4) Flygt submersible dry pit sewage pumps which includes but is not limited to the following services:</p>	LS	1.0	\$2,311,820.95	\$2,311,820.95	---

**JIM NASH
 OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

CHANGE ORDER

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
	<p>1. Procurement of four (4) Flygt submersible dry pit sewage pumps, model NT3531/906 870 with high chrome impeller and insert ring. The pumps are rated for 20,160 gpm at 65' TDH, 460 hp, 3 phase, 460 volt with 20" discharge, 24" suction and 50 feet of motor and sensor cable. The pumps will come with seal fail and high temp sensors. A spare impeller and mechanical seal. Training and start up of 14 times/14 days. The warranty period is 5 years. The equipment will be installed by others.</p> <p>The total value of the change order is \$2,311,820.95 which consists of a base subcontract of \$2,159,924.27 to Kennedy Industries and Walsh's contractual 6.5% CMAR fee of \$140,395.08 and \$11,501.60 for supplemental insurance coverage outside OCIP. Work is contingent upon availability of funds.</p> <p>REASON: The primary purpose of retaining Walsh as a construction manager at risk for this project was to expedite the procurement of the core materials and equipment with long lead times in an effort to reduce the overall project construction time. As such a series of material and equipment packages have been and continue to be let for subcontractors to bid on. The generator, electrical switchgear and transformer equipment, valves, pumps and VFDs are in need of replacement under this project and have the longest manufacturing lead times. The subcontractors were selected as the lowest responsive and responsible bidder. Work will progress based on availability of funds.</p>					
Totals					\$2,311,820.95	\$0.00
Net Increase					\$2,311,820.95	---

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

CHANGE ORDER NO. 4

Jim Nash, Oakland County Water Resources Commissioner
Evergreen Farmington Sanitary Drain Drainage District
For Construction of the 8 Mile Road Corrective Action Plan - Phase I
Southfield, Michigan
Oakland County, Michigan

Prepared by: Evangelos Bantios Date: 10/7/2022
Evangelos Bantios, P.E. - Project Engineer

Recommended by: Joe Siwek Date: 10/7/2022
Joe Siwek, P.E. - Consulting Engineer

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

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

Accepted by: Josh Bohanon Date: 10/7/2022
Josh Bohanon - Business Group Leader
Walsh Construction Company II, LLC

Digitally signed by Joshua K Bohanon
DN: C=US, E="jbohanon@walshgroup.com", O="The Walsh Group", OU="Walsh Construction Company II, LLC", CN=Joshua K Bohanon
Date: 2022.10.07 13:46:25-04'00'

Approved by: _____ Date: _____
Sid Lockhart, P.E.
Special Projects 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. 4

**Jim Nash, Oakland County Water Resources Commissioner
Evergreen Farmington Sanitary Drain Drainage District
For Construction of the 8 Mile Road Corrective Action Plan - Phase I
Southfield, Michigan
Oakland County, Michigan**

Project Award Date (Pre-Construction Services)	2/9/2022
Notice to Proceed Date (Construction Phase):	n/a
Contract Substantial Completion Date:	n/a
Contract Final Completion Date:	n/a
Original GMP Contract Value:	n/a
Original Contract Value (Pre-Construction Services):	\$848,980.48
Previous C.O. Values:	\$3,404,480.13
Change Order No. 4 Value	\$2,311,820.95
Adjusted Contract Value	\$5,716,301.08

CHANGE ORDER NO. 5

**Jim Nash, Oakland County Water Resources Commissioner
 Evergreen Farmington Sanitary Drain Drainage District
 For Construction of the 8 Mile Road Corrective Action Plan - Phase I
 Southfield, Michigan
 Oakland County, Michigan**

Authorization for Extras To & Changes In Contract

Department No. : 6010101
 Fund No. : 58410
 Project No. : 1-3181

Account No. : 730352
 Program No. : 149667
 Project Activity : FAC

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

Contract No. : 6628
 Date of Contract: 2/9/22
 Completion Date: 12/31/22

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
5-1	<p>LOCATION: 8 Mile CAP (Preconstruction Services - Ref. attached Walsh Bid Package Docs)</p> <p>DESCRIPTION (Change/Add): Grant Walsh authorization to enter into a subcontract with Kennedy Industries and Systems Specialties, the low bidders, for new valves and actuators, which includes but is not limited to the following services: 1. Procurement of six actuators to be placed on existing P2-INF, P3-INF, P3/4-INT, P4-DIS, P4-INF and P5-INF valves. This work will be furnished by System Specialties. Procurement of one 30" Dezurik plug valve with hand wheel operator; four 30" Dezurik plug valves with</p>	LS	1.0	\$1,044,145.02	\$1,044,145.02	---

**JIM NASH
 OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

CHANGE ORDER

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
	<p>electron motor actuators; one 24" Dezurik plug valve with electronic motor actuator; one 54" Dezurik plug valve with electronic motor actuator; one 30" Dezurik Hilton knife gate valve with electronic motor actuator; one 30" Dezurik Hilton knife gate with 24" handwheel. This work will be furnished by Kennedy Industries. Training and start up are included in the cost from both subcontractors. The warranty period is 5 years. The equipment will be installed by others.</p> <p>2. The total value of the change order is \$1,044,145.02 which consists of a base subcontract of \$164,315.16 to System Specialties; a base subcontract of \$811,225.00 to Kennedy Industries; Walsh's contractual 6.5% CMAR fee of \$63,410.11 and \$5,194.75 for supplemental insurance coverage outside OCIP. Work is contingent upon availability of funds.</p> <p>REASON: The primary purpose of retaining Walsh as a construction manager at risk for this project was to expedite the procurement of the core materials and equipment with long lead times in an effort to reduce the overall project construction time. As such a series of material and equipment packages have been and continue to be let for subcontractors to bid on. The generator, electrical switchgear and transformer equipment, valves, pumps and VFDs are in need of replacement under this project and have the longest manufacturing lead times. The subcontractors were selected as the lowest responsive and responsible bidder. Work will progress based on availability of funds.</p>					
Totals					\$1,044,145.02	\$0.00
Net Increase					\$1,044,145.02	---

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

CHANGE ORDER NO. 5

Jim Nash, Oakland County Water Resources Commissioner
Evergreen Farmington Sanitary Drain Drainage District
For Construction of the 8 Mile Road Corrective Action Plan - Phase I
Southfield, Michigan
Oakland County, Michigan

Prepared by: Evangelos Bantios Date: 10/11/2022
Evangelos Bantios, P.E. - Project Engineer

Recommended by: Joseph C Siwek Date: 10/12/2022
Joe Siwek, P.E. - Consulting Engineer

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

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

Accepted by: Joshua K Bohanon Date: 10/12/2022
Josh Bohanon - Business Group Leader
Walsh Construction Company II, LLC

Digitally signed by Joshua K Bohanon
DN: C=US, E="jbohanon@walshgroup.com",
O="The Walsh Group", OU="Walsh Construction
Company II, LLC", CN=Joshua K Bohanon
Date: 2022.10.12 07:29:09-04'00'

Approved by: _____ Date: _____
Sid Lockhart, P.E.
Special Projects 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. 5

**Jim Nash, Oakland County Water Resources Commissioner
Evergreen Farmington Sanitary Drain Drainage District
For Construction of the 8 Mile Road Corrective Action Plan - Phase I
Southfield, Michigan
Oakland County, Michigan**

Project Award Date (Pre-Construction Services)	2/9/2022
Notice to Proceed Date (Construction Phase):	n/a
Contract Substantial Completion Date:	n/a
Contract Final Completion Date:	n/a
Original GMP Contract Value:	n/a
Original Contract Value (Pre-Construction Services):	\$848,980.48
Previous C.O. Values:	\$5,716,301.08
Change Order No. 5 Value	\$1,044,145.02
Adjusted Contract Value	\$6,760,446.10

**JIM NASH
OAKLAND COUNTY WATER RESOURCE COMMISSIONER**

CHANGE ORDER NO. 6

**Jim Nash, Oakland County Water Resources Commissioner
 Evergreen Farmington Sanitary Drain Drainage District
 For Construction of the 8 Mile Road Corrective Action Plan - Phase I
 Southfield, Michigan
 Oakland County, Michigan**

Authorization for Extras To & Changes In Contract

Department No. : 6010101
 Fund No. : 58410
 Project No. : 1-3181

Account No. : 730352
 Program No. : 149667
 Project Activity : FAC

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

Contract No. : 6628
 Date of Contract: 2/9/22
 Completion Date: 12/31/22

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
6-1	<p>LOCATION: 8 Mile CAP (Electrical Equipment and Electrical Bid Package - Ref. attached Walsh Bid Package Docs)</p> <p>DESCRIPTION (Change/Add): Grant Walsh authorization to enter into a subcontract with Rotor Electric, the low bidder, for the purchase of the electrical equipment and electrical bid package, which includes but is not limited to the following services:</p>	LS	1.0	\$4,829,430.56	\$4,829,430.56	-

**JIM NASH
 OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

CHANGE ORDER

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
	<p>1. Procurement of a medium voltage metal enclosure pad mounted load interrupter primary outdoor switch rated to 15 KV; 2,000 KVA medium voltage pad mounted transformer; 3,000 amp free standing main switchgear; 600 amp free standing MCC with integrated branch circuit panelboard; four variable frequency drives which are compatible with the prepurchased pumps. Provide all labor, materials and equipment for the specified electrical work. The is included installing all the prepurchased equipment and all the other electrical equipment needed to complete the project. A summary of the electrical work is attached to the change order for 2. The total value of the change order is \$4,5112,116 which consists of a base subcontract to Rotor Electric; Walsh's contractual 6.5% CMAR fee of \$293,287.54 and \$24,027.02 for supplemental insurance coverage outside OCIP. Work is contingent upon availability of funds.</p> <p>REASON: The primary purpose of retaining Walsh as a construction manager at risk for this project was to expedite the procurement of the core materials and equipment with long lead times in an effort to reduce the</p>					

CHANGE ORDER

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
	overall project construction time. As such a series of material and equipment packages have been and continue to be let for subcontractors to bid on. The generator, electrical switchgear and transformer equipment, valves, pumps and VFDs are in need of replacement under this project and have the longest manufacturing lead times. The subcontractors were selected as the lowest responsive and responsible bidder. Work will progress based on availability of funds.					
6-2	<p>LOCATION: Electrical Equipment Prepurchase</p> <p>DESCRIPTION (Change/Delete): Remove the cost for Change Order No. 3 which included prepurchasing the electrical equipment for the project from Madison Electric. Madison Electric will work as a subcontract to Rotor Electric.</p> <p>REASON: The supplier Madison Electric couldn't come to an agreement with Walsh on the terms and conditions of the subcontractor agreement.</p>	LS	1.0	-\$1,823,797.41	-	\$1,823,797.41
Totals					\$4,829,430.56	\$1,823,797.41
Net Increase					\$3,005,633.15	---

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

CHANGE ORDER NO. 6

Jim Nash, Oakland County Water Resources Commissioner
Evergreen Farmington Sanitary Drain Drainage District
For Construction of the 8 Mile Road Corrective Action Plan - Phase I
Southfield, Michigan
Oakland County, Michigan

Prepared by: Evangelos Bantios Date: 10/13/2022
Evangelos Bantios, P.E. - Project Engineer

Recommended by: Joe Siwek Date: 10/14/2022
Joe Siwek, P.E. - Consulting Engineer

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

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

Accepted by: Josh Bohanon Date: 10/14/2022
Digitally signed by Joshua K Bohanon
DN: C=US, E="jbohanon@walshgroup.com",
O="The Walsh Group", OU="Walsh Construction
Company II, LLC", CN=Joshua K Bohanon
Date: 2022.10.14 13:20:02-04'00'
Josh Bohanon - Business Group Leader
Walsh Construction Company II, LLC

Approved by: _____ Date: _____
Sid Lockhart, P.E.
Special Projects Manager

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

This Change Order was approved by the Drainage Board on:

CHANGE ORDER

CHANGE ORDER NO. 6

**Jim Nash, Oakland County Water Resources Commissioner
Evergreen Farmington Sanitary Drain Drainage District
For Construction of the 8 Mile Road Corrective Action Plan - Phase I
Southfield, Michigan
Oakland County, Michigan**

Project Award Date (Pre-Construction Services)	2/9/2022
Notice to Proceed Date (Construction Phase):	n/a
Contract Substantial Completion Date:	n/a
Contract Final Completion Date:	n/a
Original GMP Contract Value:	n/a
Original Contract Value (Pre-Construction Services):	\$848,980.48
Previous C.O. Values:	\$6,760,446.10
Change Order No. 6 Value	\$3,005,633.15
Adjusted Contract Value	\$9,766,079.25

MEMO TO: Mr. Jim Nash, Chairman
of the Drainage Board for the EVERGREEN - FARMINGTON SANITARY DRAIN SYSTEM

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting *SP FOR SHAWN PHELPS*

DATE: October 25, 2022

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>
	TBP	Orchard Hiltz & McCliment Inc	Invoice # 55674 - Contracted Services - 9/17/22	\$ 7,184.58
			Subtotal	7,184.58
	TBP	FK Engineering Associates	Invoice #22-019-002 - Engineering Services- 4/3/22 - 06/11/22	\$ 630.00
	TBP	FK Engineering Associates	Invoice #22-019-003 - Engineering Services- 6/12/22 - 08/06/22	18,159.00
		FK Engineering Associates	Invoice #22-019-004 - Engineering Services- 8/7/22 - 09/24/22	392.00
			Subtotal Project # 1-7151	19,181.00
	TBP	Walsh Construction Company	Invoice # 222035 - #7 - Contracted Services	\$ 73,831.84
			Subtotal Project # 1-3181	73,831.84
	TBP	D.V.M. Utilities Inc	Invoice # OC FARM-4 - Contracted Services	\$ 10,000.00
			Subtotal Project # 1-3530	10,000.00
			Total	\$ 110,197.42

Chapter 20 Drainage Board Meeting
Regular Meeting – Tuesday, October 25, 2022

7. Augusta Drain

AGENDA

DRAINAGE BOARD FOR THE AUGUSTA DRAIN

October 25, 2022

1. Call meeting to order
2. Approve minutes of meeting of September 27, 2022
3. Public Comments
4. Present Memorandum from Carrie Ricker Cox, Chief Engineer, dated October 25, 2022, requesting the Board approve the allocation of \$15,000 to submit a State Revolving Fund Project Plan
5. Present Memorandum from Geoff Wilson, P.E., Assistant Chief Engineer, dated October 25, 2022, requesting the Board authorize Fishbeck to proceed with the services outlined on the proposal dated October 18, 2022 for an amount not-to-exceed \$22,500
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

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

September 27, 2022

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 27th day of September 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 Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$54,947 for the Augusta 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 \$54,947 as presented.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.



Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Augusta Drain, Oakland County, Michigan, held on the 27th day of September 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 Augusta Drain Drainage District.



Jim Nash, Chairperson

Dated: September 27, 2022

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

TO: Jim Nash, Chairperson, Augusta Drain

FROM: Carrie Ricker Cox, Special Projects Manager

SUBJECT: Augusta SRF Project Plan

DATE: October 25, 2022

The Augusta Drain completed a Stormwater, Asset Management and Wastewater (SAW) Grant in 2019. This grant included inspecting the Augusta Drain and provided recommendations for capital improvements. These improvements were estimated at over \$670,000 in 2019 and are estimated to exceed \$800,000 today. The drainage district falls within disadvantaged census tracts and cannot afford this work on their own.

Recently the Bipartisan Infrastructure Law was passed and will potentially provide funding up to 49% principal forgiveness for clean water projects. This money will be run through the State Revolving Fund (SRF) system within each state. In addition, the State of Michigan has allocated American Rescue Plan Act (ARPA) dollars for SRF projects in 2023 and 2024. Both programs have specific allocations for stormwater and for disadvantaged areas allowing significant principal forgiveness, with some areas receiving 100% principal forgiveness for FY2023 project plans, which were submitted by June 1, 2022.

Since June 2022 Public Act 132 of 2022 was passed. This act changed the SRF scoring criteria and allowable projects for the State of Michigan. The new scoring and project criteria allow structural and not just water quality projects for stormwater portion of the Clean Water SRF. This opens the door to allow the Augusta Drain Drainage District to submit a project plan for the structural work found in the SAW Grant. This proposal is to hire Hubbell, Roth & Clark, Inc. to complete an SRF Project Plan thereby allowing the drainage district to be eligible for these potential funding opportunities.

REQUEST ACTION: Approve the allocation of \$15,000 in to submit an SRF Project Plan.



September 30, 2022

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

Attn: Ms. Carrie Cox

Re: **Augusta Drain Drainage District**
Proposal for Professional Engineering Services for
Clean Water State Revolving Fund Project Planning

HRC Job No. 20220896

Dear Ms. Cox:

As requested, Hubbell, Roth & Clark, Inc. (HRC) has developed this proposal to assist your office in development and submittal of a Project Plan to apply for funding assistance for proposed improvements to the Augusta Drain Drainage District. Submittal of a Project Plan is required in order to apply for a low interest Clean Water State Revolving Fund (CWSRF) loan through the Michigan Department of Environment, Great Lakes, and Energy (EGLE). CWSRF loans allow qualified public entities to apply for and borrow funds to plan, design, and construct eligible wastewater and certain stormwater projects at low interest rates, and also offer the potential for grant funding in the form of principal forgiveness.

Project plans must be submitted in accordance with EGLE's required deadlines for the funding year, which it's website currently indicates will be May 1, 2023 for Fiscal Year (FY) 2024. The plans are then ranked on the State's annual Project Priority List (PPL) that identifies which projects are eligible for funding.

It should be noted that for this year's program (FY 2023), 100% principal forgiveness was awarded for projects in disadvantaged communities, and 10% for most other eligible projects within the fundable range. It is anticipated that the Augusta Drain Drainage District would be considered disadvantaged (to be called, "overburdened" in 2023 as part of other program changes.) While the State has not announced plans for principal forgiveness for FY 2024, it is anticipated that there may be additional funding made available through the CWSRF programs as part of the recently passed Federal Infrastructure Investment and Jobs Act and/or Michigan's American Recovery Program funding. In order to access any potential principal forgiveness and/or grant funding, applicants must submit a Project Plan.

HRC will develop and oversee the following required Project Plan components, which will be detailed in the Scope of Services herein:

1. Project Background
2. Alternatives Analysis
3. Selected Alternative
4. Environmental Impacts
5. Mitigation of Impacts
6. Public Participation

Please note that several changes were made to the CWSRF legislation. The updated project plan preparation guidance documents have not been finalized yet; however, below is a summary of the changes listed in the legislation that will be incorporated into this Project Plan:

1. The new CWSRF due date has been changed to May 1, 2023.
2. There is no requirement for a public hearing. A public meeting is acceptable.
3. There is no requirement for a legal advertisement for the public meeting. Rather, a 15-day public notice in local media is the only requirement. In addition, demonstration that the notice was sent to any affected local, state, and federal agencies is also required.
4. There is no requirement for a written transcription for the public meeting. A summary of the meeting including a list of attendees and any concerns that were raised is sufficient.

SCOPE OF SERVICES

HRC proposes to prepare the necessary documentation to apply for a CWSRF loan. Our proposed Scope of Work is based on the Project Plan Preparation Guidance for the CWSRF. The following Scope of Work that will be provided as part of this proposal is divided into the six (6) major tasks identified in the CWSRF Guidance and includes an estimated cost summary and project schedule. An Asset Management Plan (AMP) was completed in October 2017 and will be used as the basis for this plan.

In addition, HRC will also assist with developing a notice of Intent to Apply form for the CWSRF program to be submitted to EGLE for this system as the first step in this process and participate in any follow up correspondence and/or meetings with EGLE.

TASK 1 – PROJECT BACKGROUND

We will identify the need for the project, the characteristics of the study area, population data, identifying environmental issues, and a description of the existing wastewater facilities in the Project Plan. HRC will document these items using a number of maps and tables. HRC will also discuss other future sanitary sewer related projects.

We note that planning work associated with notification of other agencies and the State Historic Preservation Officer (“cross-cutters”) are not included in this Proposal, as we anticipate EGLE will complete its Federal “equivalency” requirements using other projects. If this project is required to do the additional planning work, HRC will complete these requirements for an additional fee as noted in the “Costs and Schedule” section of this Proposal.

TASK 2 – ANALYSIS OF ALTERNATIVES

We will develop alternatives analysis and cost estimates for the proposed projects that will be used in development of the Project Plan. HRC will present these in the Project Plan and compare the cost effectiveness, the environmental impacts, the ability to implement, and other technical considerations for each alternative.

TASK 3 – SELECTED ALTERNATIVE

A description of the selected alternative including monetary cost estimates, user costs and OCWRC’s ability to implement the selected alternative, must be identified in the Project Plan. Under this task, HRC proposes to describe the selected alternative in detail. This will include design and construction cost estimates, a project implementation schedule, proposed site plan and basic schematic drawings.

TASK 4 – ENVIRONMENTAL IMPACTS

The Project Plan must include an analysis of the direct, indirect and cumulative impacts of the proposed project. This will include those primarily associated with construction activities (dust, noise, soil erosion control, and contingencies for other environmental impacts). HRC will describe the beneficial and adverse impacts within each category. We note that any site environmental work required for design (such as soil analysis) will not be done as part of this proposal.

TASK 5 – MITIGATION

The Project Plan must identify various measures to avoid, eliminate or mitigate the impact of the proposed project identified in Task 4. HRC will document the structural and non-structural measures to minimize the impact of the proposed project on the environment.

TASK 6 – PUBLIC PARTICIPATION

The Project Plan must document opportunities for public participation including holding a public meeting on the selected alternative. Task 6 includes a public meeting with 15 days' notice for Project Plan review; input from the OCWRC's financial staff on user rate impacts; and preparation of a public meeting summary. HRC will provide a presentation and assist OCWRC in conducting a public meeting. The summary of the public meeting will be included in the Project Plan.

COST AND PROJECT SCHEDULE

HRC will bill on a time and materials basis for the project, with a fee not to exceed \$15,000 without written Owner approval under the terms and conditions of our engineering services agreement with OCWRC. Preliminary or detailed design of any of the alternatives is not included in the cost or our project scope or as described herein. An additional fee of \$10,000 will be added to the budget if the project is required to do the additional "cross-cutter" notifications described in Task 1.

The proposed schedule for this work is as follows:

Begin Work:	November 15, 2022, after OCWRC authorization
Submit Draft Plan to EGLE:	February 28, 2023
Draft Plan for Public Review:	April 10, 2023
Public Meeting and Board Resolution:	April 25, 2023 (tentative, will coincide with regularly scheduled meeting)
Submit Final Plan:	May 1, 2023

Thank you again for the opportunity to submit this proposal. We look forward to working with you on this project. Should you have any questions or require additional information, please feel free to contact our office at your convenience.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.



Daniel Mitchell, P.E.
President.

/sld

pc: HRC; M. Corona, S. Duffy, F. Babakhani, File



Karyn M. Stickel, P.E.
Associate

Accepted By:

Signature: _____

Written Name: _____

Title: _____

Dated: _____

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

TO: Jim Nash, Chairman – Augusta Drain Drainage Board

FROM: Geoff S. Wilson, P.E. – Assistant Chief Engineer

SUBJECT: Augusta Drain Rehabilitation Project – Design Services

DATE: October 25, 2022

Fishbeck has provided a proposal to provide design services related to upcoming rehabilitation of the Augusta Drain and Pontiac Clinton River No. 1 Drain. These repairs were identified in the HRC SAW Grant Inspection report from 2017. Many of the areas requiring rehabilitation are in easements through private property. Fishbeck's primary task will be coordinating with private property owners and to provide maintenance of traffic plans for public roads. The work is expected to begin in Spring 2023 but may be delayed if additional funding is possible through the state revolving fund (SRF) program. This authorization is for the same proposal as presented to the drainage board for the Pontiac Clinton River No. 1 Drain on October 25, 2022 and totals \$22,500 between the two drains, not two separate authorizations of \$22,500.

Recommendation –

Authorize Fishbeck to proceed with the services outlined in the proposal dated October 18, 2022 for an amount not to exceed \$22,500.

September 30, 2022

Project: 2023 PCR1/Augusta Sewer Lining Project

Good afternoon Mr. Wilson,

As part of the ongoing engineering service Agreement with the Oakland County Water Resources Commissioner (WRC), Fishbeck has been asked to provide design and bidding services for the project described below. The following project description indicates the scope/tasks to be completed by both the WRC and Fishbeck in order to complete the work as described. The project fee is based on the description and scope of services provided below. If any of the following is not correct, or seems inaccurate, please reach out to me directly to adjust the services and/or fees.

PONTIAC AUGUSTA SEWER LINING

Understanding of the Project:

- Fishbeck understands that as part of the 2013 SAW Grant work, WRC conducted condition assessments on the storm sewers within the Pontiac Clinton River 1 (PCR1) Drain and Augusta Drain storm drain systems. Upon assessment completion, a small group of sewer segments remain that are in need of lining rehab. The segments are located around/near the City of Pontiac and occur within surrounding parking lots, roadways, and other easily accessible areas.
- It is our understanding that the WRC would like to select a contractor from their preapproved list, based upon their pricing of the job as detailed in the below described basic work plan.

Staking Scope of Services:

- Fishbeck Tasks
 - o Office:
 - Work with the WRC to collect all information on property owner and easement information.
 - Reach out to facility and/or property managers to determine land use and property limitations for each segment(s) of sewer.
 - o Field Work:
 - An initial field visit to take pictures, verify structure access, and determine any limitations not apparent from aerial photos/GIS Maps.
 - Fishbeck does NOT anticipate needing to open, inventory, or take pictures inside any of the existing structures. It is anticipated that all the utility information will be provided by the WRC.
 - o Design – Fishbeck will:
 - Develop design plan sheets (most likely Letter sized) for each individual segment or segments to included in the bid documents. Sheets will include a more detailed structure location than the GIS maps and indicate areas of use and mobilization for the contractor.
 - Place all information pertaining to limitations and schedule of use on the plan sheets.
 - Include maintenance of traffic / traffic control / lot use information on separate sheets for each individual location.

- Develop specifications based on the approved WRC sewer lining specifications. We will review and discuss any changes or project specifics to be included.
 - Bidding - Fishbeck will:
 - Put together the bid book, based on the WRC provided standard Contract documents.
 - Work with WRC to determine if they have all current information.
 - Provide a bid Item list will be broken down by Fund (PCR1 or Augusta) for ease of separation.
 - Provide answers and additional information, as needed, to addendum questions.
 - Compile, review, and provide a Bid Tabulation. Fishbeck will then provide recommendation based on responses and experience with the low bidder.
 - Construction – Fishbeck will:
 - Provide review of Contractor’s MOT and Traffic Control design, if differs from bid documents.
 - Review adjusted price/cost from Contractor based on project specific needs for MOT & mobilization.
- WRC Tasks
 - Field / Design Support – WRC will:
 - Provide all information available from SAW Grant investigation and assessment.
 - Conduct a field investigation to determine that all structures (upstream and downstream) are still accessible from a worker, equipment, and vehicle stand point. Are covers able to be open, do they need adjustment or possible rebuild?
 - Collect all pertinent property/easement information and coordinate with Fishbeck on contact with owners.
 - Provide all updated Specification and Detail information for sewer lining projects.
 - Provide all updated Contract Documents (Agreements, Bonds, Insurance, etc.) to Fishbeck for inclusion in the bid book.
 - Bidding – WRC will:
 - Send bid documents to preapproved Contractors for submission.
 - Collect and open bids at WRC offices.
- Project Assumptions/Exclusions:
 - Fishbeck does not anticipate conducting any topographic survey for the project.
 - WRC will provide all updated and current specifications, details, and contract documents.
 - WRC will provide all support for real estate, property, and easement information.
 - Fishbeck does not anticipate any construction engineering, administration, or inspection for the project.
 - Anticipated start date is Mid/End September. Bidding goal is early 2023 with construction in Late Winter/Early Spring 2023.

Design and Bidding Services Fee: Hourly-not-to-Exceed fee of Twenty-two Thousand Five Hundred Dollars (\$22,500) for the design, bidding, and procurement of the PCR1/Augusta Sewer Lining Project in accordance with the hourly rates of the current effective contract. A task for any ROW/Easement work

will also be added as a separate “Hourly As-Needed” task for that cannot be accomplished by the County.

Upon written approval of the above fee, Fishbeck will begin collecting data and schedule the first site visit to field investigate.

Thank you,

Paul Kammer, PE
Senior Civil Engineer

Fishbeck | [Fishbeck.com](https://www.fishbeck.com)

8. Pontiac Clinton River #1 Drain

AGENDA

DRAINAGE BOARD FOR THE PONTIAC CLINTON RIVER NO. 1 DRAIN

October 25, 2022

1. Call meeting to order
2. Approve minutes of meeting of September 27, 2022
3. Public Comments
4. Present Memorandum from Carrie Ricker Cox, dated October 25, 2022, requesting the Board approve the allocation of \$15,000 to submit a State Revolving Fund Project Plan
5. Present Memorandum from Geoff Wilson, P.E. Assistant Chief Engineer, dated October 25, 2022, requesting the Board to authorize Fishbeck to proceed with the services outlined in the proposal dated October 18, 2022, for an amount not to exceed \$22,500
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

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

September 27, 2022

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 27th day of September 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 June 23, 2020, 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 \$21,246 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 \$21,246 as presented.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.



Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Pontiac Clinton River No. 1 Drain, Oakland County, Michigan, held on the 27th day of September 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 Pontiac Clinton River No. 1 Drain Drainage District.



Jim Nash, Chairperson

Dated: September 27, 2022

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

TO: Jim Nash, Chairperson, Pontiac Clinton-River No. 1 Drain

FROM: Carrie Ricker Cox, Special Projects Manager

SUBJECT: Pontiac-Clinton River No. 1 Drain SRF Project Plan

DATE: October 25, 2022

The Pontiac-Clinton River No. 1 Drain (PCR1) completed a Stormwater, Asset Management and Wastewater (SAW) Grant in 2017. This grant included inspecting PCR1 and provided recommendations for capital improvements. These improvements were estimated at over \$550,000 in 2017 and are estimated to exceed \$650,000 today. The drainage district falls within disadvantaged census tracts and cannot afford this work on their own.

Recently the Bipartisan Infrastructure Law was passed and will potentially provide funding up to 49% principal forgiveness for clean water projects. This money will be run through the State Revolving Fund (SRF) system within each state. In addition, the State of Michigan has allocated American Rescue Plan Act (ARPA) dollars for SRF projects in fiscal years 2023 and 2024. Both programs have specific allocations for stormwater and for disadvantaged areas allowing significant principal forgiveness. Several disadvantaged areas received 100% principal forgiveness for FY2023 project plans, which were submitted by June 1, 2022.

Since June 2022 Public Act 132 of 2022 was passed. This act changed the SRF scoring criteria and allowable projects for the State of Michigan. The new scoring and project criteria allow structural and not just water quality projects for the stormwater portion of the Clean Water SRF. This opens the door to allow PCR1 to submit a project plan for the structural work found in the SAW Grant. This proposal is to hire Hubbell, Roth & Clark, Inc. to complete an SRF Project Plan for PCR1 thereby allowing the drainage district to be eligible for these potential funding opportunities.

REQUEST ACTION: Approve the allocation of \$15,000 to submit an SRF Project Plan.



September 30, 2022

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

Attn: Ms. Carrie Cox

Re: **Pontiac-Clinton River No. 1 Drain Drainage District**
Proposal for Professional Engineering Services for
Clean Water State Revolving Fund Project Planning

HRC Job No. 20220897

Dear Ms. Cox:

As requested, Hubbell, Roth & Clark, Inc. (HRC) has developed this proposal to assist your office in development and submittal of a Project Plan to apply for funding assistance for proposed improvements to the Pontiac-Clinton River No. 1 Drain Drainage District. Submittal of a Project Plan is required in order to apply for a low interest Clean Water State Revolving Fund (CWSRF) loan through the Michigan Department of Environment, Great Lakes, and Energy (EGLE). CWSRF loans allow qualified public entities to apply for and borrow funds to plan, design, and construct eligible wastewater and certain stormwater projects at low interest rates, and also offer the potential for grant funding in the form of principal forgiveness.

Project plans must be submitted in accordance with EGLE's required deadlines for the funding year, which its website currently indicates will be May 1, 2023 for Fiscal Year (FY) 2024. The plans are then ranked on the State's annual Project Priority List (PPL) that identifies which projects are eligible for funding.

It should be noted that for this year's program (FY 2023), 100% principal forgiveness was awarded for projects in disadvantaged communities, and 10% for most other eligible projects within the fundable range. It is anticipated that the Pontiac-Clinton River No. 1 Drain Drainage District would be considered disadvantaged (to be called, "overburdened" in 2023 as part of other program changes.) While the State has not announced plans for principal forgiveness for FY 2024, it is anticipated that there may be additional funding made available through the CWSRF programs as part of the recently passed Federal Infrastructure Investment and Jobs Act and/or Michigan's American Recovery Program funding. In order to access any potential principal forgiveness and/or grant funding, applicants must submit a Project Plan.

HRC will develop and oversee the following required Project Plan components, which will be detailed in the Scope of Services herein:

1. Project Background
2. Alternatives Analysis
3. Selected Alternative
4. Environmental Impacts
5. Mitigation of Impacts
6. Public Participation

Please note that several changes were made to the CWSRF legislation. The updated project plan preparation guidance documents have not been finalized yet; however, below is a summary of the changes listed in the legislation that will be incorporated into this Project Plan:

1. The new CWSRF due date has been changed to May 1, 2023.
2. There is no requirement for a public hearing. A public meeting is acceptable.
3. There is no requirement for a legal advertisement for the public meeting. Rather, a 15-day public notice in local media is the only requirement. In addition, demonstration that the notice was sent to any affected local, state, and federal agencies is also required.
4. There is no requirement for a written transcription for the public meeting. A summary of the meeting including a list of attendees and any concerns that were raised is sufficient.

SCOPE OF SERVICES

HRC proposes to prepare the necessary documentation to apply for a CWSRF loan. Our proposed Scope of Work is based on the Project Plan Preparation Guidance for the CWSRF. The following Scope of Work that will be provided as part of this proposal is divided into the six (6) major tasks identified in the CWSRF Guidance and includes an estimated cost summary and project schedule. An Asset Management Plan (AMP) was completed in October 2017 and will be used as the basis for this plan.

In addition, HRC will also assist with developing a notice of Intent to Apply form for the CWSRF program to be submitted to EGLE for this system as the first step in this process and participate in any follow up correspondence and/or meetings with EGLE.

TASK 1 – PROJECT BACKGROUND

We will identify the need for the project, the characteristics of the study area, population data, identifying environmental issues, and a description of the existing wastewater facilities in the Project Plan. HRC will document these items using a number of maps and tables. HRC will also discuss other future sanitary sewer related projects.

We note that planning work associated with notification of other agencies and the State Historic Preservation Officer (“cross-cutters”) are not included in this Proposal, as we anticipate EGLE will complete its Federal “equivalency” requirements using other projects. If this project is required to do the additional planning work, HRC will complete these requirements for an additional fee as noted in the “Costs and Schedule” section of this Proposal.

TASK 2 – ANALYSIS OF ALTERNATIVES

We will develop alternatives analysis and cost estimates for the proposed projects that will be used in development of the Project Plan. HRC will present these in the Project Plan and compare the cost effectiveness, the environmental impacts, the ability to implement, and other technical considerations for each alternative.

TASK 3 – SELECTED ALTERNATIVE

A description of the selected alternative including monetary cost estimates, user costs and OCWRC’s ability to implement the selected alternative, must be identified in the Project Plan. Under this task, HRC proposes to describe the selected alternative in detail. This will include design and construction cost estimates, a project implementation schedule, proposed site plan and basic schematic drawings.

TASK 4 – ENVIRONMENTAL IMPACTS

The Project Plan must include an analysis of the direct, indirect and cumulative impacts of the proposed project. This will include those primarily associated with construction activities (dust, noise, soil erosion control, and contingencies for other environmental impacts). HRC will describe the beneficial and adverse impacts within each category. We note that any site environmental work required for design (such as soil analysis) will not be done as part of this proposal.

TASK 5 – MITIGATION

The Project Plan must identify various measures to avoid, eliminate or mitigate the impact of the proposed project identified in Task 4. HRC will document the structural and non-structural measures to minimize the impact of the proposed project on the environment.

TASK 6 – PUBLIC PARTICIPATION

The Project Plan must document opportunities for public participation including holding a public meeting on the selected alternative. Task 6 includes a public meeting with 15 days' notice for Project Plan review; input from the OCWRC's financial staff on user rate impacts; and preparation of a public meeting summary. HRC will provide a presentation and assist OCWRC in conducting a public meeting. The summary of the public meeting will be included in the Project Plan.

COST AND PROJECT SCHEDULE

HRC will bill on a time and materials basis for the project, with a fee not to exceed \$15,000 without written Owner approval under the terms and conditions of our engineering services agreement with OCWRC. Preliminary or detailed design of any of the alternatives is not included in the cost or our project scope or as described herein. An additional fee of \$10,000 will be added to the budget if the project is required to do the additional "cross-cutter" notifications described in Task 1.

The proposed schedule for this work is as follows:

Begin Work:	November 15, 2022, after OCWRC authorization
Submit Draft Plan to EGLE:	February 28, 2023
Draft Plan for Public Review:	April 10, 2023
Public Meeting and Board Resolution:	April 25, 2023 (tentative, will coincide with regularly scheduled meeting)
Submit Final Plan:	May 1, 2023

Thank you again for the opportunity to submit this proposal. We look forward to working with you on this project. Should you have any questions or require additional information, please feel free to contact our office at your convenience.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.



Daniel Mitchell, P.E.
President.

/sld

pc: HRC; M. Corona, S. Duffy, F. Babakhani, File



Karyn M. Stickel, P.E.
Associate

Accepted By:

Signature: _____

Written Name: _____

Title: _____

Dated: _____

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

TO: Jim Nash, Chairman – Augusta Drain Drainage Board

FROM: Geoff S. Wilson, P.E. – Assistant Chief Engineer

SUBJECT: Pontiac Clinton River No. 1 Drain Rehabilitation Project – Design Services

DATE: October 25, 2022

Fishbeck has provided a proposal to provide design services related to upcoming rehabilitation on the Pontiac Clinton River No. 1 Drain and the Augusta Drain. These repairs were identified in the HRC SAW Grant Inspection report from 2017. Many of the areas requiring rehabilitation are in easements through private property. Fishbeck's primary task will be coordinating with private property owners and to provide maintenance of traffic plans for public roads. The work is expected to begin in Spring 2023 but may be delayed if additional funding is possible through the state revolving fund (SRF) program. This authorization is for the same proposal as presented to the drainage board for the Augusta Drain on October 25, 2022 and totals \$22,500 between the two drains, not two separate authorizations of \$22,500.

Recommendation –

Authorize Fishbeck to proceed with the services outlined in the proposal dated October 18, 2022 for an amount not to exceed \$22,500.

September 30, 2022

Project: 2023 PCR1/Augusta Sewer Lining Project

Good afternoon Mr. Wilson,

As part of the ongoing engineering service Agreement with the Oakland County Water Resources Commissioner (WRC), Fishbeck has been asked to provide design and bidding services for the project described below. The following project description indicates the scope/tasks to be completed by both the WRC and Fishbeck in order to complete the work as described. The project fee is based on the description and scope of services provided below. If any of the following is not correct, or seems inaccurate, please reach out to me directly to adjust the services and/or fees.

PONTIAC AUGUSTA SEWER LINING

Understanding of the Project:

- Fishbeck understands that as part of the 2013 SAW Grant work, WRC conducted condition assessments on the storm sewers within the Pontiac Clinton River 1 (PCR1) Drain and Augusta Drain storm drain systems. Upon assessment completion, a small group of sewer segments remain that are in need of lining rehab. The segments are located around/near the City of Pontiac and occur within surrounding parking lots, roadways, and other easily accessible areas.
- It is our understanding that the WRC would like to select a contractor from their preapproved list, based upon their pricing of the job as detailed in the below described basic work plan.

Staking Scope of Services:

- Fishbeck Tasks
 - o Office:
 - Work with the WRC to collect all information on property owner and easement information.
 - Reach out to facility and/or property managers to determine land use and property limitations for each segment(s) of sewer.
 - o Field Work:
 - An initial field visit to take pictures, verify structure access, and determine any limitations not apparent from aerial photos/GIS Maps.
 - Fishbeck does NOT anticipate needing to open, inventory, or take pictures inside any of the existing structures. It is anticipated that all the utility information will be provided by the WRC.
 - o Design – Fishbeck will:
 - Develop design plan sheets (most likely Letter sized) for each individual segment or segments to included in the bid documents. Sheets will include a more detailed structure location than the GIS maps and indicate areas of use and mobilization for the contractor.
 - Place all information pertaining to limitations and schedule of use on the plan sheets.
 - Include maintenance of traffic / traffic control / lot use information on separate sheets for each individual location.

- Develop specifications based on the approved WRC sewer lining specifications. We will review and discuss any changes or project specifics to be included.
 - Bidding - Fishbeck will:
 - Put together the bid book, based on the WRC provided standard Contract documents.
 - Work with WRC to determine if they have all current information.
 - Provide a bid Item list will be broken down by Fund (PCR1 or Augusta) for ease of separation.
 - Provide answers and additional information, as needed, to addendum questions.
 - Compile, review, and provide a Bid Tabulation. Fishbeck will then provide recommendation based on responses and experience with the low bidder.
 - Construction – Fishbeck will:
 - Provide review of Contractor’s MOT and Traffic Control design, if differs from bid documents.
 - Review adjusted price/cost from Contractor based on project specific needs for MOT & mobilization.
- WRC Tasks
 - Field / Design Support – WRC will:
 - Provide all information available from SAW Grant investigation and assessment.
 - Conduct a field investigation to determine that all structures (upstream and downstream) are still accessible from a worker, equipment, and vehicle stand point. Are covers able to be open, do they need adjustment or possible rebuild?
 - Collect all pertinent property/easement information and coordinate with Fishbeck on contact with owners.
 - Provide all updated Specification and Detail information for sewer lining projects.
 - Provide all updated Contract Documents (Agreements, Bonds, Insurance, etc.) to Fishbeck for inclusion in the bid book.
 - Bidding – WRC will:
 - Send bid documents to preapproved Contractors for submission.
 - Collect and open bids at WRC offices.
- Project Assumptions/Exclusions:
 - Fishbeck does not anticipate conducting any topographic survey for the project.
 - WRC will provide all updated and current specifications, details, and contract documents.
 - WRC will provide all support for real estate, property, and easement information.
 - Fishbeck does not anticipate any construction engineering, administration, or inspection for the project.
 - Anticipated start date is Mid/End September. Bidding goal is early 2023 with construction in Late Winter/Early Spring 2023.

Design and Bidding Services Fee: Hourly-not-to-Exceed fee of Twenty-two Thousand Five Hundred Dollars (\$22,500) for the design, bidding, and procurement of the PCR1/Augusta Sewer Lining Project in accordance with the hourly rates of the current effective contract. A task for any ROW/Easement work

will also be added as a separate “Hourly As-Needed” task for that cannot be accomplished by the County.

Upon written approval of the above fee, Fishbeck will begin collecting data and schedule the first site visit to field investigate.

Thank you,

Paul Kammer, PE
Senior Civil Engineer

Fishbeck | [Fishbeck.com](https://www.fishbeck.com)

9. Joachim Relief Drain

AGENDA

DRAINAGE BOARD FOR THE JOACHIM DRAIN

October 25, 2022

1. Call meeting to order
2. Approve minutes of meeting of October 26, 2021
3. Public Comments
4. Present Memorandum from Carrie Cox, Chief Engineer, and Geoff Wilson, Assistant Chief Engineer, dated October 25, 2022, requesting the Board authorize HRC to proceed for an amount not-to-exceed \$15,000 to submit an SRF Project Plan.
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**

October 26, 2021

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 26th day of October, 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 July 27, 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 of payment of invoices and reimbursement of the Drain Revolving Fund in the amount of \$21,279.70 (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 \$21,279.70.

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 Joachim Drain, Oakland County, Michigan, held on the 26th day of October, 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 Joachim Drain Drainage District.



Jim Nash, Chairperson

Dated: October 26, 2021

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

TO: Jim Nash, Chairperson, Joachim Relief Drain Drainage Board

FROM: Carrie Ricker Cox, Special Projects Manager
Geoff Wilson, Assistant Chief Engineer

SUBJECT: Joachim Relief Drain SRF Project Plan

DATE: October 25, 2022

Recent inspection of the Joachim Relief Drain revealed approximately \$780,000 in necessary maintenance. The drainage district falls within disadvantaged census tracts and cannot afford this work on their own.

Recently the Bipartisan Infrastructure Law was passed and will potentially provide funding up to 49% principal forgiveness for clean water projects. This money will be run through the State Revolving Fund (SRF) system within each state. In addition, the State of Michigan has allocated American Rescue Plan Act (ARPA) dollars for SRF projects in 2023 and 2024. Both programs have specific allocations for stormwater and for disadvantaged areas allowing significant principal forgiveness, with some areas receiving 100% principal forgiveness for FY2023 project plans, which were submitted by June 1, 2022.

Since June 2022 Public Act 132 of 2022 was passed. This act changed the SRF scoring criteria and allowable projects for the State of Michigan. The new scoring and project criteria allow structural and not just water quality projects for stormwater portion of the Clean Water SRF. This opens the door to allow the Joachim Relief Drain Drainage District to submit a project plan for the structural work found in the recent inspection. This proposal is to hire Hubbell, Roth & Clark, Inc. to complete an SRF Project Plan for the Joachim Relief Drain thereby allowing the drainage district to be eligible for these potential funding opportunities.

REQUESTED ACTION: Authorize HRC to proceed for an amount not to exceed \$15,000 to submit an SRF Project Plan.



October 19, 2022

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

Attn: Mr. Geoff Wilson

Re: **Joaquim Drain Drainage District**
Proposal for Professional Engineering Services for
Clean Water State Revolving Fund Project Planning

HRC Job No. 20220981

Dear Mr. Wilson:

As requested, Hubbell, Roth & Clark, Inc. (HRC) has developed this proposal to assist your office in development and submittal of a Project Plan to apply for funding assistance for proposed improvements to the Joaquim Drain Drainage District. Submittal of a Project Plan is required in order to apply for a low interest Clean Water State Revolving Fund (CWSRF) loan through the Michigan Department of Environment, Great Lakes, and Energy (EGLE). CWSRF loans allow qualified public entities to apply for and borrow funds to plan, design, and construct eligible wastewater and certain stormwater projects at low interest rates, and also offer the potential for grant funding in the form of principal forgiveness.

Project plans must be submitted in accordance with EGLE's required deadlines for the funding year, which its website currently indicates will be May 1, 2023 for Fiscal Year (FY) 2024. The plans are then ranked on the State's annual Project Priority List (PPL) that identifies which projects are eligible for funding.

It should be noted that for this year's program (FY 2023), 100% principal forgiveness was awarded for projects in disadvantaged communities, and 10% for most other eligible projects within the fundable range. It is anticipated that the Joaquim Drain Drainage District would be considered disadvantaged (to be called, "overburdened" in 2023 as part of other program changes.) While the State has not announced plans for principal forgiveness for FY 2024, it is anticipated that there may be additional funding made available through the CWSRF programs as part of the recently passed Federal Infrastructure Investment and Jobs Act and/or Michigan's American Recovery Program funding. In order to access any potential principal forgiveness and/or grant funding, applicants must submit a Project Plan.

HRC will develop and oversee the following required Project Plan components, which will be detailed in the Scope of Services herein:

1. Project Background
2. Alternatives Analysis
3. Selected Alternative
4. Environmental Impacts
5. Mitigation of Impacts
6. Public Participation

Please note that several changes were made to the CWSRF legislation. The updated project plan preparation guidance documents have not been finalized yet; however, below is a summary of the changes listed in the legislation that will be incorporated into this Project Plan:

1. The new CWSRF due date has been changed to May 1, 2023.
2. There is no requirement for a public hearing. A public meeting is acceptable.
3. There is no requirement for a legal advertisement for the public meeting. Rather, a 15-day public notice in local media is the only requirement. In addition, demonstration that the notice was sent to any affected local, state, and federal agencies is also required.
4. There is no requirement for a written transcription for the public meeting. A summary of the meeting including a list of attendees and any concerns that were raised is sufficient.

SCOPE OF SERVICES

HRC proposes to prepare the necessary documentation to apply for a CWSRF loan. Our proposed Scope of Work is based on the Project Plan Preparation Guidance for the CWSRF. The following Scope of Work that will be provided as part of this proposal is divided into the six (6) major tasks identified in the CWSRF Guidance and includes an estimated cost summary and project schedule.

In addition, HRC will also assist with developing a notice of Intent to Apply form for the CWSRF program to be submitted to EGLE for this system as the first step in this process and participate in any follow up correspondence and/or meetings with EGLE.

TASK 1 – PROJECT BACKGROUND

We will identify the need for the project, the characteristics of the study area, population data, identifying environmental issues, and a description of the existing wastewater facilities in the Project Plan. HRC will document these items using a number of maps and tables. HRC will also discuss other future sanitary sewer related projects.

We note that planning work associated with notification of other agencies and the State Historic Preservation Officer (“cross-cutters”) are not included in this Proposal, as we anticipate EGLE will complete its Federal “equivalency” requirements using other projects. If this project is required to do the additional planning work, HRC will complete these requirements for an additional fee as noted in the “Costs and Schedule” section of this Proposal.

TASK 2 – ANALYSIS OF ALTERNATIVES

We will develop alternatives analysis and cost estimates for the proposed projects that will be used in development of the Project Plan. HRC will present these in the Project Plan and compare the cost effectiveness, the environmental impacts, the ability to implement, and other technical considerations for each alternative.

TASK 3 – SELECTED ALTERNATIVE

A description of the selected alternative including monetary cost estimates, user costs and OCWRC’s ability to implement the selected alternative, must be identified in the Project Plan. Under this task, HRC proposes to describe the selected alternative in detail. This will include design and construction cost estimates, a project implementation schedule, proposed site plan and basic schematic drawings.

TASK 4 – ENVIRONMENTAL IMPACTS

The Project Plan must include an analysis of the direct, indirect and cumulative impacts of the proposed project. This will include those primarily associated with construction activities (dust, noise, soil erosion control, and contingencies for other environmental impacts). HRC will describe the beneficial and adverse impacts within each category. We note that any site environmental work required for design (such as soil analysis) will not be done as part of this proposal.

TASK 5 – MITIGATION

The Project Plan must identify various measures to avoid, eliminate or mitigate the impact of the proposed project identified in Task 4. HRC will document the structural and non-structural measures to minimize the impact of the proposed project on the environment.

TASK 6 – PUBLIC PARTICIPATION

The Project Plan must document opportunities for public participation including holding a public meeting on the selected alternative. Task 6 includes a public meeting with 15 days' notice for Project Plan review; input from the OCWRC's financial staff on user rate impacts; and preparation of a public meeting summary. HRC will provide a presentation and assist OCWRC in conducting a public meeting. The summary of the public meeting will be included in the Project Plan.

COST AND PROJECT SCHEDULE

HRC will bill on a time and materials basis for the project, with a fee not to exceed \$15,000 without written Owner approval under the terms and conditions of our engineering services agreement with OCWRC. Preliminary or detailed design of any of the alternatives is not included in the cost or our project scope or as described herein. An additional fee of \$10,000 will be added to the budget if the project is required to do the additional "cross-cutter" notifications described in Task 1.

The proposed schedule for this work is as follows:

Begin Work:	November 15, 2022, after OCWRC authorization
Submit Draft Plan to EGLE:	February 28, 2023
Draft Plan for Public Review:	April 10, 2023
Public Meeting and Board Resolution:	April 25, 2023 (tentative, will coincide with regularly scheduled meeting)
Submit Final Plan:	May 1, 2023

Thank you again for the opportunity to submit this proposal. We look forward to working with you on this project. Should you have any questions or require additional information, please feel free to contact our office at your convenience.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.



Daniel Mitchell, P.E.
President.
/sld



Karyn M. Stickel, P.E.
Associate

pc: HRC; M. Corona, S. Duffy, F. Babakhani, J. Balint, File

Accepted By:

Signature: _____

Written Name: _____

Title: _____

Dated: _____

10. Wilmont Drain

AGENDA

DRAINAGE BOARD FOR THE WILMONT DRAIN

October 25, 2022

1. Call meeting to order
2. Approve minutes of meeting of July 26, 2022
3. Public Comments
4. Present Memorandum from Geoff Wilson, P.E. Assistant Chief Engineer, and Garrett Shafer, Civil Engineer II, dated October 25, 2022, requesting the following of the Board
 - a) Authorize the Chairman to sign the agreement for the White Horse Lake Sheetpile Weir Replacement Project, an agreement between the Drainage District and Trojan Development Services, Inc. based on the provided price of \$267,000
 - b) Authorize Fishbeck to proceed with the construction administration services as outlined in their October 19, 2022, proposal for an amount not to exceed \$31,250, through Fishbeck's existing as-needed WRC engineering contract.
 - c) Authorize a project budget of \$404,934 for the White Horse Lake Sheetpile Weir Replacement Project
5. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$4,148.50
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

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

July 26, 2022

A meeting of the Drainage Board for the Wilmont Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 26th day of July 2022.

The meeting was called to order by the Chairperson.

PRESENT: Anne Vaara, Chairperson, Chief Deputy 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

Jim Nash, Oakland County Water Resources Commissioner

Minutes of the meeting held March 22, 2022, were presented for consideration. It was moved by Markham, supported by Vaara, that the minutes be approved.

ADOPTED: Yeas - 2
Nays - 0

Chairperson Vaara 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 \$8,481 (as attached) was presented. It was moved by Markham, supported by Vaara, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$8,481.

ADOPTED: Yeas - 2
Nays - 0

It was moved by Vaara 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.



Anne Vaara, 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 Wilmont Drain, Oakland County, Michigan, held on the 26th day of July 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 Wilmont Drain Drainage District.



Anne Vaara, Chairperson

Dated: July 26, 2022

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

TO: Jim Nash, Chairman – Wilmont Relief Drain Drainage Board

FROM: Geoff S. Wilson, P.E. – Assistant Chief Engineer
Garrett Shafer – Civil Engineer II

SUBJECT: White Horse Lake Sheetpile Weir Replacement Project

DATE: October 25, 2022

A sheetpile weir on the Wilmont Relief Drain has reached the end of its useful life and requires replacement. Fishbeck engineers were previously contracted by the drainage board to provide design and specifications for the replacement of the weir. Using the completed design and specifications, prices were solicited from five WRC blanket contractors. Trojan Development Services, Inc. has provided the lowest price and has been deemed qualified after a review with WRC engineers and Fishbeck engineers. A project cost estimate was developed using the Trojan Development Services, Inc. pricing and is included in the backup material.

Recommendation –

Authorize the chairman to sign the agreement for the Wilmont Relief Drain – White Horse Lake Sheetpile Weir Replacement Project, an agreement between the Wilmont Relief Drain Drainage District and Trojan Development Services, Inc. based on the provided price of \$267,000.

Authorize Fishbeck to proceed with the construction administration services as outlined in their October 19, 2022 proposal for an amount not to exceed \$31,250, through Fishbeck's existing as-needed WRC engineering contract.

Authorize a project budget of \$404,934 for the Wilmont Relief Drain – White Horse Lake Sheetpile Weir Replacement Project.

October 19, 2022

Geoff Wilson, PE
Drain Maintenance Engineer
Oakland County Water Resources Commissioner
One Public Works Drive, Building 95 West
Waterford, MI 48328

Proposal for Professional Construction Engineering Services for the White Horse Lake Weir Replacement Project

Dear Geoff:

Fishbeck is pleased to submit this proposal for the professional construction engineering services associated with the White Horse Lake Weir Replacement Project.

This construction engineering services proposal has been prepared based upon White Horse Lake Weir Replacement Project, prepared by Fishbeck, with plans dated October 12, 2022.

The Engineer's Opinion of Probable "Construction" Cost is \$217,000, inclusive of Addendum number 2. This does not include a construction contingency. We recommend a construction contingency budget of approximately 10%, or \$22,000. Please note that Bids were received on October 19, 2022, with the low bidder's amount of \$267,000.00.

Scope of Services

Fishbeck proposes the following construction engineering scope of services:

Task 1 — Bid Assistance

- The WRC will prepare and distribute the bid documents in PDF form to Contractors by invitation to currently approved vendors or via MITN.
- The WRC will coordinate the distribution of any additional contract documents, addendums, and changes to bidders by direct email or via MITN.
- Fishbeck will conduct a mandatory onsite pre-bid meeting to familiarize contractors with project access, scope of work, construction access requirements, if requested by the WRC.
- WRC will host bid opening and prepare bid tabulation.
- Fishbeck will review low bid, perform reference checks of the low bidder, and will provide recommendation for Contractor selection based on qualifications and tabulated bid prices, unless a bidder is a currently approved WRC contractor.

Task 2 — Procurement Services

- Fishbeck will prepare contract award documents, including:
 - Conditional letter of recommendation and Notice of Award.
 - Cursory review of bonds and insurance. The WRC attorney and/or legal advisor will provide final approval of the bonds and insurance provisions and certifications.
 - Preparation of final contract documents to be reviewed by WRC's Attorney.

Task 3 and Task 4 — Engineering Assistance and Construction Engineering (CE) Services

Engineering Assistance and CE Service Fees consisting of Construction Contract Administration, Construction Observation, Material and Density Testing Services, Staking and preparation of record drawings is included in this letter

proposal, and includes:

- Value Engineering Review.
- Pre-Construction Meeting.
- Periodic Progress Meetings.
- Special Meetings.
- Review of Contractor Pay Application Request(s).
- Submittals Reviews.
- Process Shop Drawings.
- Design Interpretation.
- Addressing field issues related to changed conditions or unknown conditions, requiring engineer-of-record corrective action plan.
- Negotiate Change Orders, as necessary.
- Prepare Project Punch List(s).
- Prepare Final Payment Recommendation.
- Preparation of final Record Drawings.
- Prepare Close-Out Documents.
- Participation in final project close-out issues related to easement and/or permit condition(s).
- Coordination of Material Testing and Density Testing Services.
- Fishbeck will provide limited Construction Observation Services.
- Fishbeck will secure Geotechnical Services to perform material and density testing services. The WRC will reimburse the cost at a cost-plus basis, as stipulated in our current effective contract.
- Fishbeck will provide Construction Staking Services associated with the Project. One-time staking is included; the Contractor is to pay for any re-staking, accordingly. Fishbeck will assist the WRC with the preparation of record drawings, based upon Contractor provided as-built drawings.

Compensation (Estimate of Fees)

Fishbeck proposes to provide the scope of services as outlined above for a ***not-to-exceed fee*** of **Thirty-One Thousand Two Hundred Fifty Dollars (\$31,250)**. The fee breakdown is as follows:

I. Scope of Services – Bid Assistance Phase	\$4,350
II. Scope of Services – Procurement Phase	\$4,150
III. Scope of Services – Construction Phase	
A. Engineering Assistance Services	\$3,100
B. Construction Engineering Services	\$10,500
C. Reimbursable Expenses	\$1,000
D. <u>Geotechnical Engineering Services Budget</u>	<u>\$9,250</u>
Total	\$31,250

Additional Services/Cost/Fees

In the event that a need develops during the design phase of this project, the following services can be provided by Fishbeck. A separate fee proposal will be submitted for OCWRC approval, if it is determined that any of these services are warranted.

- Environmental Services associated with contaminated material.
- Detailed threatened and endangered (T&E) Species assessment.

Geoff Wilson, PE

Page 3

October 19, 2022

- Tree survey.
- Wetland Delineation/Mitigation.
- Federal Emergency Management Agency (FEMA) – Letter of Map Revision.
- All costs associated with rights-of-way (ROW).
- Public Informational exhibits and meetings.
- **Vibration Monitoring during construction phase.**
- Permitting if required by regulatory agencies.
- Engineering assistance can be provided by Fishbeck as needed on an hourly basis.

David L. Potter, PE – Fishbeck, will serve as the Client Contact and Project Manager. Ben Bellestri – Fishbeck, will serve as Project Lead. The team will be supported by a Staff Engineer, Surveyors, CAD Technicians, and office support staff, as well as Fishbeck’s professional staff of more than 550 professionals.

If you concur with our scope of services and schedule, please issue an authorized notice to proceed made subject to the Terms and Conditions for Professional Services of our existing *Oakland County Professional Services Contract No. 005226, effective date September 1, 2021 – August 31, 2024*. Invoices will be submitted every four weeks and payment is due upon receipt. If we find that the scope of services required differs from that proposed, we will notify you immediately of any appropriate amendment to the scope and fees.

Fishbeck appreciates this opportunity to provide our fee proposal to you. We look forward to working with you and your staff to reconstruct the White Horse Lake Weir Replacement Project.

If you have any questions or require additional information, please contact Dave Potter at 248.320.5819 or by email dpotter@fishbeck.com or Ben Bellestri at 248.324.1647 or by email bbellestri@fishbeck.com.

Sincerely,



David L. Potter, PE

Vice President/Senior Civil Engineer/Project Manager



Ben G. Bellestri

Civil Engineer

By email

**PROPOSAL FOR THE CONSTRUCTION OF
WHITE HORSE LAKE WEIR REPLACEMENT**

NAME OF BIDDER: Trojan Development Company, Inc.

CONTACT NAME: Dan Cinader

ADDRESS: 2260 Metamora Rd, Oxford, MI 48371

DATE: 10/18/22 TELEPHONE NO. 248 628-6200

CONTACT NAME EMAIL: danc@trojandevlopment.com

TO: Jim Nash
OCWRC
County Agency
Building 95 West – One Public Works Drive
Waterford, Michigan 48328-1907

The undersigned, as Bidder, hereby declares this bid is made in good faith without fraud or collusion with any persons bidding or proposing to supply materials or labor, and it has examined the Contract Documents including but not limited to the Agreement, Contract Drawings, Advertisement, Information for Bidders, Proposal, Specifications, General Conditions, and the Supplementary Conditions and has also examined the soil boring logs, and other geotechnical information referenced in the Information For Bidders, and is familiar with the location of the work described herein and is fully informed as to the nature of the work and the conditions relating to its performance.

The Bidder acknowledges it has not received or relied upon any representations or warranties of any nature whatsoever from the Office of the OCWRC and/or the Drainage District, its agents, representatives, or employees, as to any conditions to be encountered in accomplishing the work specifically, but not exclusively, including underground conditions, and that its bid is based solely upon the Bidder's own independent judgment.

The following documents shall be submitted with the Bid:

Item No.	Description
1.	Proposal, completed, and signed acknowledging all addenda.
2.	Proposal Guarantee/Bid bond (5%).
3.	Preliminary Schedule based on the Time noted in the Agreement and an anticipated Notice to Proceed date of: Project Engineer Enter Date.
4.	Completed Form DC-118 Experience and Qualification Statement.
5.	Signed Vendor Certification that it is not an "Iran Linked Business".
6.	Contractor's OCIP Acknowledgement Form.
7.	Project Engineer add additional items as necessary.

The Bidder hereby certifies it has examined the Drawings, Specifications, Geotechnical Data, and other data provided by the Owner for bidding purposes. Further, the undersigned certifies that it has reviewed the proposed construction methods and finds them compatible with the conditions, which it anticipates from the above listed information, provided for bidding.

The Bidder shall complete the work under any job or field condition which was present and/or ascertainable prior to bidding. In addition, it shall also complete the work under whatever conditions it may create by its own sequence of construction, construction methods, or other conditions it may create, at no additional cost to the Owner.

The Bidder declares that it has familiarized itself with the location of the proposed work and the conditions under which it must be constructed; also, that it has carefully examined the Plans, Specifications, and Contract Documents (including the Geotechnical Data), which it understands and accepts as sufficient for the purpose, and agrees it will contract with the OCWRC to furnish all labor, material, tools, and equipment necessary to do all the work specified and prescribed for the completion of the above mentioned Contract for the following named unit prices:

BID SHEET

Item No.	Description	Quantity	Unit	Unit Price	Amount
01	Mobilization, Bonds & Insurance	1	LSUM	\$ \$24,000.00	\$ \$24,000.00
02	Preconstruction Video Documentation	1	LSUM	\$ \$1,200.00	\$ \$1,200.00
03	Maintaining Traffic	1	LSUM	\$ \$800.00	\$ \$800.00
04	Soil Erosion and Sedimentation Control	1	LSUM	\$ \$4,700.00	\$ \$4,700.00
05	Lawn Restoration	1	LSUM	\$ \$4,100.00	\$ \$4,100.00
06	Driveway Removal and Replacement	1	LSUM	\$ \$14,500.00	\$ \$14,500.00
07	Weir Removal	1	LSUM	\$ \$17,000.00	\$ \$17,000.00
08	Weir Replacement	1	LSUM	\$ \$200,700.00	\$ \$200,700.00

TOTAL CONTRACT PRICE \$ \$267,000.00
(Items 01 thru 08)

Note: In case of discrepancy, unit prices shall be used to determine the total amount of this bid.

TAXES

The foregoing unit prices include all applicable Federal, State and Local taxes.

ADDENDA

This Proposal is based on the following Addenda in the table below:

Addendum Number	Date Issued
#1 & #2	Oct, 13, 2022

SUBCONTRACTORS AND MAJOR EQUIPMENT MANUFACTURERS/SUPPLIERS

The Bidder agrees, in accordance with the Information For Bidders, it is concurrently with this bid, furnishing the Owner the required information relative to the qualifications of Bidder and Subcontractors required to be identified pursuant to the Information For Bidders. Bidder also agrees that Bidder will provide all other information as required with this bid and/or within the times specified in the Information For Bidder or other Contract Documents. Bidder acknowledges this bid may be rejected if Bidder fails to provide any of the required information with this bid and/or within the times outlined in the Information For Bidders or other Contract Documents.

BID GUARANTEE

The Bidder encloses a certified or cashier's check or bid bond in the amount of Five Percent (5%) of the accompanying total bid.

_____ Certified Check
 _____ Cashier's Check
 _____ Bid Bond

The Bidder further agrees that if the foregoing Proposal shall be accepted by the Owner, work will begin within 10 calendar days after the date of written Notice to Proceed. The Contractor will maintain a rate of progress which will result in the substantial completion of the project by December 16, 2022, and completion of the entire project, including cleanup and final restoration by June 30, 2023, except as such time limits may be advanced in accordance with the provisions of the Contract Documents.

The Bidder hereby declares that this bid was prepared by qualified personnel of its employ who inspected the Plans and Specifications, read, and interpreted the Geotechnical Data and other information furnished by the Owner, and developed the Bidder's intended construction methods.

If this Proposal is accepted by the Owner and the undersigned shall fail to contract as aforesaid and to furnish the required surety bonds within 10 calendar days of the delivery date of the Notice of Award to the successful Bidder, then the undersigned shall be considered to have abandoned the Contract, and the Certified Check, Cashier's Check or Bid Bond accompanying this Proposal shall be forfeited to the OCWRC and/or the Drainage District.

If the Bidder enters the Contract in accordance with this Proposal, or if its Proposal is rejected, then the accompanying bid guarantee shall be returned to the Bidder.

By submission of the Bid, each Bidder certifies, and in the case of a joint BID each party thereto certifies as to its own organization, that this Bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this BID with any other Bidder or with any competitor.

In submitting this bid it is understood that the right is reserved by the OCWRC and/or the Drainage District to reject all bids, to waive non-material irregularities and/or informalities, and to evaluate the responsiveness and responsibility of each Bidder. The Owner reserves the right to reject any bid submitted by any Bidder that the Owner determines is not a responsive and responsible Bidder based on information supplied by the Bidder or on any other information the Owner receives or acquires on its own, including the Owner's experience with the Bidder. The Owner further reserves the right to reject any bid submitted by any bidder, based on the sole preference of the Owner.

The Bidder shall indicate its legal status as provided herein.

LEGAL STATUS OF BIDDER

The Bidder shall fill out the appropriate form below and strike out the other three listed below and complete the appropriate Resolution or Certificate.

A Corporation duly organized and doing business under the laws of the State of Michigan for whom Daniel Cinader whose signature is affixed to this Proposal, is duly authorized to execute Contracts.

A Limited Liability Company duly organized and doing business under the laws of the State of Michigan for whom _____ whose signature(s) is (are) affixed to this Proposal, is (are) duly authorized to execute Contracts.

A **Partnership or Joint Venture**, all members of which, with addresses, are:

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

An **Individual**, whose signature is affixed to this Proposal.

Signed and Sealed this 18th day of October 20 22.

Authorized Signature of Bidder: 

Print Name: Daniel C Cinader

Title: Co - President

WITNESS By: 

WILMONT RELIEF DRAIN - WHITE HORSE LAKE WEIR REPLACEMENT
ESTIMATE OF PROJECT COSTS
REVISED: October 19, 2022

	Project Costs
1) Contracted Services: Construction Cost	
a Construction Cost As-Bid	\$ 267,000
Subtotal Construction Cost	\$ 267,000
2) Engineering Consultants	
a Design Phase - Fishbeck	\$ 19,050
b Construction Administration - Fishbeck	\$ 22,000
c Scheduling Consultant for Large Projects	
d Geotechnical Borings - Subconsultant to Fishbeck	\$ 7,700
e Vibration Monitoring - Subconsultant to Fishbeck	\$ 9,250
Subtotal Engineering Consultants	\$ 58,000
3) Legal & Financial (No Bond Sale)	
a Easements	\$ 5,052
b Legal Costs	
c Financial Consultant (For Bond Sale Only)	
d Bond Counsel (Bond Issue Only)	
e OCIP Insurance (If needed)	
f Official Statement (Bond Issues only)	
g Wetland Mitigation (If needed)	
Subtotal Legal & Financial	\$ 5,052
4) County Services:	
a Administration & General (ADM)	\$ 5,340
b Engineering (ENG)	\$ 15,707
c Right-Of-Way (ROW)	\$ -
d Construction Inspection (INS)	\$ 25,200
e GIS Mapping (ADM)	\$ 1,335
f Operation Staff (STD) (Shutdowns, Training New Facilities, etc.)	
g Survey (SUR)	\$ 600
Subtotal County Services	\$ 48,182
Project Subtotal	\$ 378,234
5) 10% Project Contingency	\$ 26,700
6) Less Anticipated Grant Funds	
7) Total Project Cost as of 10/19/2022	\$ 404,934

MEMO TO: Mr. Jim Nash, Chairman
of the Drainage Board for the WILMONT RELIEF DRAINS

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting *✓ FOR SHAWN PHELPS*

DATE: October 25, 2022

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

<u>Date</u>	<u>Ref No.</u>	<u>Paid To</u>	<u></u>	<u>Amount</u>
9/30/2022	V # SINV00135283	Fishbeck	Invoice # 413382 - Engineering Services - 07/08/22 - Proj # 1-3632	\$ 2,066.00
9/30/2022	V # SINV00135289	Fishbeck	Invoice # 414341 - Engineering Services - 08/05/22 - Proj # 1-3632	1,082.50
10/17/2022	MPR007731	Nancy Lewis	Invoice # # MP007731 - Land Easement	1,000.00
			Total	\$ <u>4,148.50</u>

11. Caddell Drain

AGENDA

DRAINAGE BOARD FOR THE CADDELL DRAIN

October 25, 2022

1. Call meeting to order
2. Approve minutes of meeting of March 22, 2022
3. Public Comments
4. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$1,760.00
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

March 22, 2022

A meeting of the Drainage Board for the Caddell Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 22nd 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 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 Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$137,709 for the Caddell 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 \$137,709 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 \$18,134.75 (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 \$18,134.75.

ADOPTED: Yeas - 2
Nays - 0

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

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.

A handwritten signature in blue ink, appearing to read "Jim Nash".

Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Caddell Drain, Oakland County, Michigan, held on the 22nd 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 Caddell Drain Drainage District.



Jim Nash, Chairperson

Dated: March 22, 2022

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting *SP FOR SHAWN PHELPS*

DATE: October 25, 2022

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

Payable To	Reference	For	Amount
Fishbeck	V # SINV00134186	Invoice # 414326 - Engineering Services - 08/05/22	\$ 1,760.00
Total			<u>\$ 1,760.00</u>

12. McCulloch Drain

AGENDA

DRAINAGE BOARD FOR THE MCCULLOCH DRAIN

October 25, 2022

1. Call meeting to order
2. Approve minutes of meeting of July 26, 2022
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 \$6,036.25
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

July 26, 2022

A meeting of the Drainage Board for the McCulloch Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 26th day of July 2022.

The meeting was called to order by the Chairperson.

PRESENT: Anne Vaara, Chairperson, Chief Deputy 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

Jim Nash, Oakland County Water Resources Commissioner

Minutes of the meeting held March 22, 2022, were presented for consideration. It was moved by Markham, supported by Vaara, that the minutes be approved.

ADOPTED: Yeas - 2
Nays - 0

Chairperson Vaara 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 \$5,326 (as attached) was presented. It was moved by Markham, supported by Vaara, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$5,326.

ADOPTED: Yeas - 2
Nays - 0

It was moved by Vaara 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.



Anne Vaara, 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 McCulloch Drain, Oakland County, Michigan, held on the 26th day of July 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 McCulloch Drain Drainage District.



Anne Vaara, Chairperson

Dated: July 26, 2022

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

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

DATE: October 25, 2022

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>
9/30/2022	V # SINV00132872	Fishbeck	Invoice # 413517 - Engineering Services - 07/08/22	3,183.75
9/30/2022	V # SINV00132874	Fishbeck	Invoice # 414319 - Engineering Services - 08/05/22	2,852.50
Total				\$ 6,036.25

13. Northwest Oakland Sanitary Sewer Drain

AGENDA
DRAINAGE BOARD FOR
THE NORTHWEST OAKLAND SANITARY SEWER DRAIN

October 25, 2022

1. Call meeting to order
2. Approve minutes of meeting of September 27, 2022
3. Public Comments
4. Present Memorandum from Sid Lockhart, P.E. - Deputy and Special Project Manager, dated October 25, 2022, requesting the Board receive and file the Project Update on the Request for Proposal for the Engineering Study for the Drainage District Project
5. Present request for Board approval of payment of invoices and/or reimbursement from the Drain Revolving Fund the amount \$9,477.50
6. Other business
7. Approve pro rate payment to Drainage Board members
8. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE NORTHWEST OAKLAND SANITARY SEWER DRAIN**

September 27, 2022

A meeting of the Drainage Board for the Northwest Oakland Sanitary Sewer Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 27th day of September 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 August 23, 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 \$869.00 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$869.00.

ADOPTED: Yeas - 3
Nays - 0

It was moved by Nash, supported by Markham, to certify attendance and authorize pro rata payment of \$25 per day to 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 Northwest Oakland Sanitary Sewer Drain, Oakland County, Michigan, held on the 27th day of September 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 Northwest Oakland Sanitary Sewer Drain Drainage District.



Jim Nash, Chairperson

Dated: September 27, 2022

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

TO: Jim Nash, Chairperson
Northwest Oakland Drain Drainage District

FROM: Sid Lockhart, P.E.- Deputy & Special Project Manager

SUBJECT: Engineering Study for Northwest Oakland Sanitary Sewer Drain Project
Project Update

DATE: October 22, 2022

The Northwest Oakland Drain Drainage District was created to connect portions of Holly Township, Groveland Township, Brandon Township as well as the Village of Ortonville with the Genesee County Drain Commissioner's Office Division of Water & Waste Services (GCDC-WWS) Kersley Creek Interceptor Extension Project. This new interceptor extension will have the capacity to provide sanitary sewer services for the following regions in northwest Oakland County (see attached maps).

- Dixie Highway corridor from Genesee County limits to south of Grange Hall Road
- M-15 corridor from the northerly limits of the Village of Ortonville south through Brandon Township

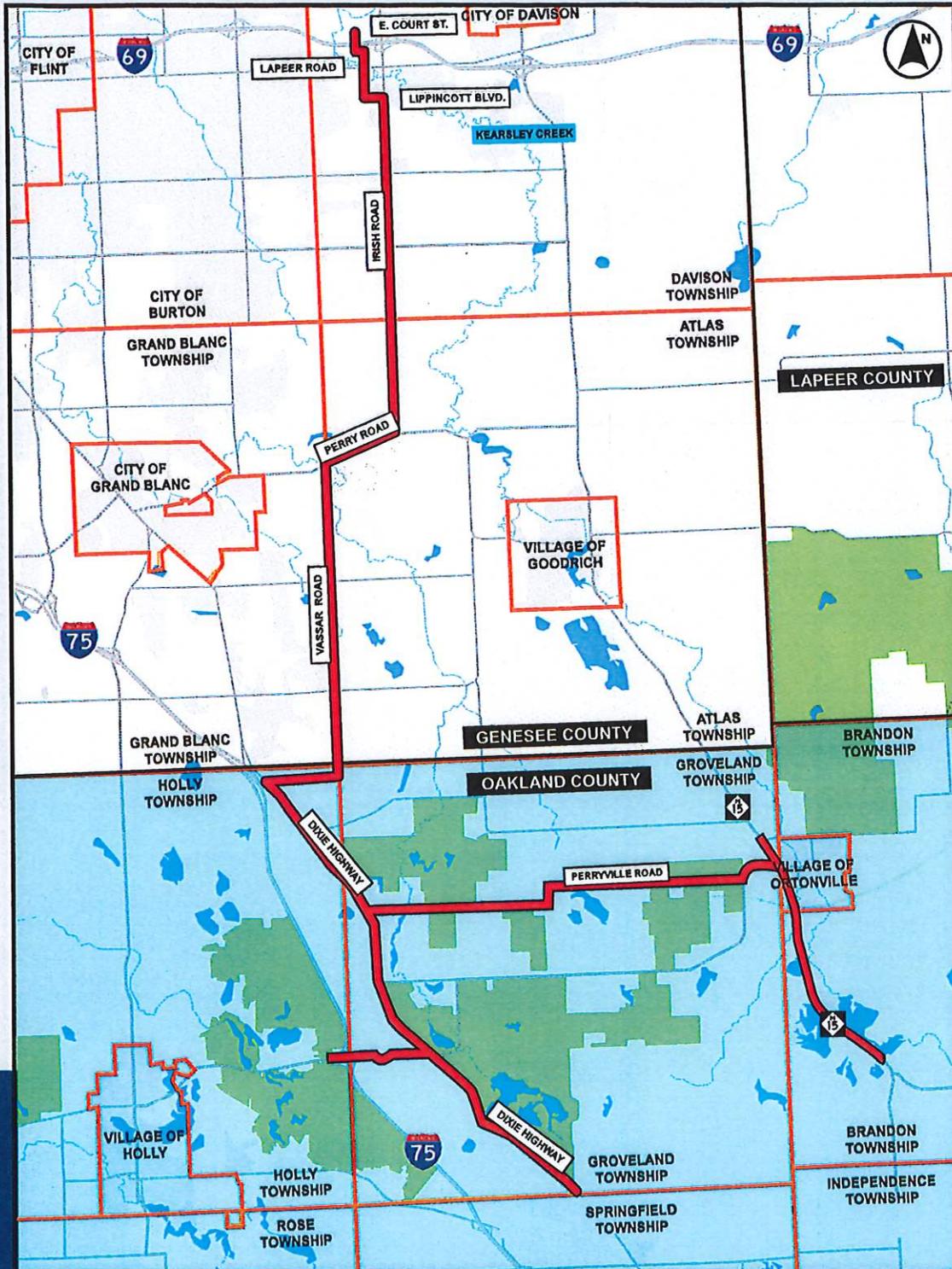
Connecting these regions to the GCDC-WWS Kersley Creek Interceptor Extension will provide sanitary service for commercial and industrial properties, protect the Flint River Watershed from the environmental hazards of failed septic systems as well as promote public health, safety, and welfare of the area.

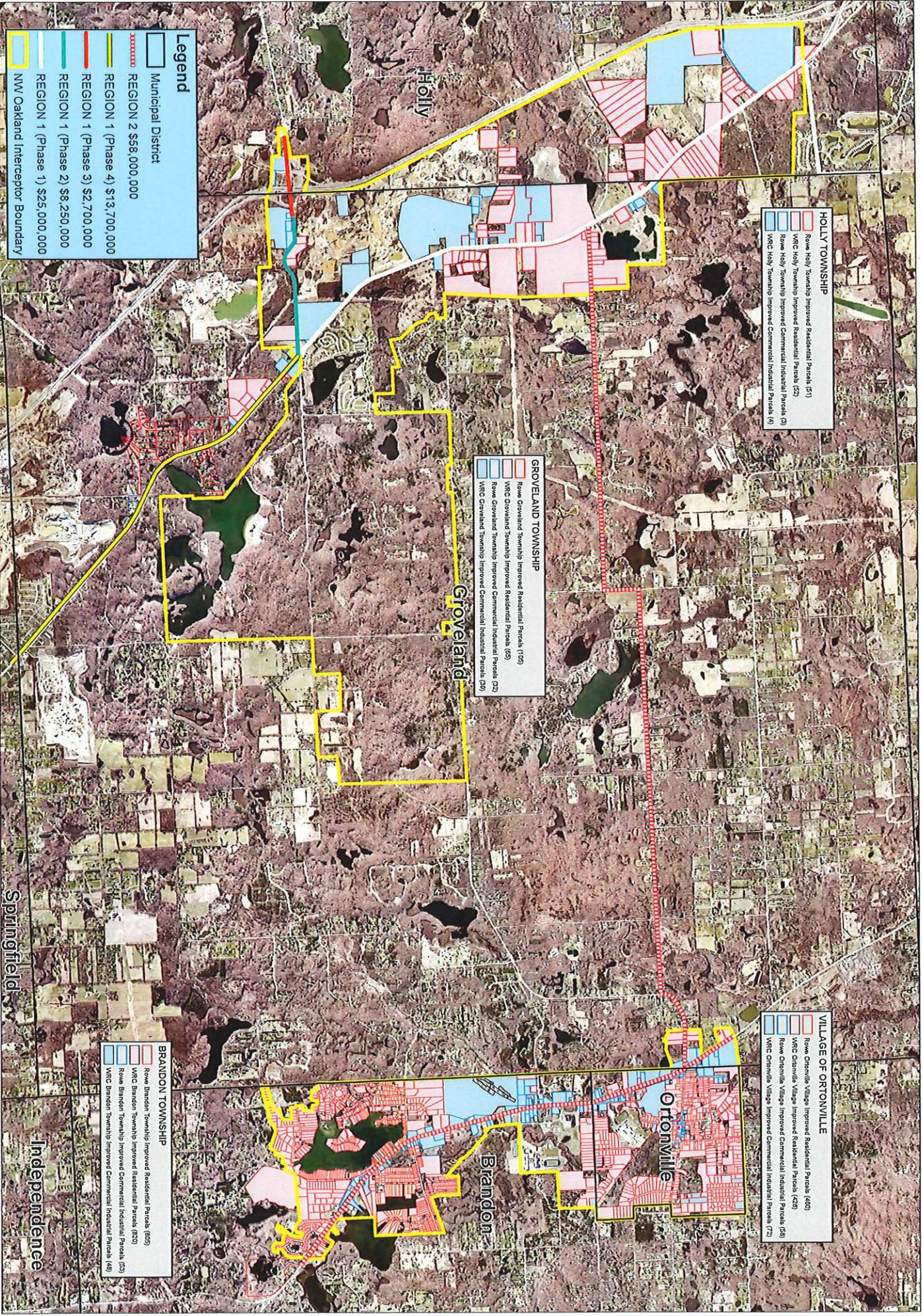
A planning study has already been complete that has developed and identified necessary disciplines and design criteria for this project in Genesee and Oakland Counties. A Request for Proposal (RFP) is being prepared for an Engineering Study and Basis of Design that will develop and advance the engineering initiated by the planning study. It will also consider local sewer collection costs and study options for proposed rates.

It is the intent of this office to have the RFP for the Engineering Study for Northwest Oakland Sanitary Sewer Drain Project prepared and solicited during the month of November 2022. A Quality Based Selection (QBS) process will be utilized, whereby price/costs is not a selection criterion, to recommend an engineering consultant firm for this work. A Recommendation for Award is anticipated for the December 2022 or January 2023 Chapter 20 Drain Board.

Requested Action: Receive and file the Project Update on the Request for Proposal for the Engineering Study for Northwest Oakland Sanitary Drain Project

NORTHWEST OAKLAND EXTENSION OF THE KEARSLEY CREEK INTERCEPTOR





- HOLLY TOWNSHIP**
- Rowe Holly Township Improved Residential Parcels (51)
 - WRC Holly Township Improved Residential Parcels (52)
 - Rowe Holly Township Improved Commercial Industrial Parcels (53)
 - WRC Holly Township Improved Commercial Industrial Parcels (54)

- GROVELAND TOWNSHIP**
- Rowe Groveland Township Improved Residential Parcels (105)
 - WRC Groveland Township Improved Residential Parcels (106)
 - Rowe Groveland Township Improved Commercial Industrial Parcels (107)
 - WRC Groveland Township Improved Commercial Industrial Parcels (108)

- VILLAGE OF ORTONVILLE**
- Rowe Ortonville Village Improved Residential Parcels (480)
 - WRC Ortonville Village Improved Residential Parcels (481)
 - Rowe Ortonville Village Improved Commercial Industrial Parcels (482)
 - WRC Ortonville Village Improved Commercial Industrial Parcels (483)

- BRANDON TOWNSHIP**
- Rowe Brandon Township Improved Residential Parcels (620)
 - WRC Brandon Township Improved Residential Parcels (621)
 - Rowe Brandon Township Improved Commercial Industrial Parcels (622)
 - WRC Brandon Township Improved Commercial Industrial Parcels (623)

- Legend**
- Municipal District
 - REGION 2 \$58,000,000
 - REGION 1 (Phase 4) \$13,700,000
 - REGION 1 (Phase 3) \$2,700,000
 - REGION 1 (Phase 2) \$8,250,000
 - REGION 1 (Phase 1) \$25,000,000
 - NW Oakland Interceptor Boundary

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

**WO 1083381 NW Oakland Sewer SPREADSHEET (IMPROVED PARCELS) WRC
 HOLLY TOWNSHIP, BRANDON TOWNSHIP, GROVELAND TOWNSHIP & VILLAGE OF ORTONVILLE
 Oakland County, Michigan**

One Public World Drive
 Building 53 West
 Auburn Hills, Michigan
 48226-1150

WRC
WATER RESOURCES COMMISSIONER
 Jim Nash

MEMO TO: Mr. Jim Nash, Chairman
of the Drainage Board for the NORTHWEST OAKLAND SANITARY DRAIN

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

DATE: October 25, 2022

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>
9/30/2022	V # SINV00136490	Dickinson Wright PLLC	Invoice # 1732236 - Legal Services - 08/31/22 - Prj # 1-7076	\$ 1,185.00
9/30/2022	V # SINV00134308	Rowe Professional Services Company	Invoice # 105098 - Contracted Services - 8/1/22 - 8/31/22	5,562.50
	TBP	Rowe Professional Services Company	Invoice # 105437 - Contracted Services - 9/1/22 - 9/30/22	2,730.00
			Total - Proj #1-7076	\$ 9,477.50