

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. Hamilton Relief Drains
8. Mainland Drain
9. Kasper Drain
10. Henry Graham 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 GOTOMEETING AT 2:00 P.M., ON **TUESDAY, DECEMBER 14, 2021** TO CONDUCT NECESSARY AND APPROPRIATE BUSINESS OF THE DRAIN BOARDS. THOSE THAT WISH TO PARTICIPATE REMOTELY MAY FOLLOW THE INSTRUCTIONS ATTACHED TO THIS NOTICE.

THIS BOARD MEETING IS BEING CONDUCTED IN ACCORDANCE WITH THE PROVISIONS OF THE OPEN MEETINGS ACT, PA 254 OF 2020, AND/OR AS OTHERWISE PROVIDED BY LAW DUE TO THE ONGOING COVID-19 PANDEMIC. 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: DECEMBER 10, 2021

December 14, 2021 Chapter 20
Tue, Dec 14, 2021 2:00 PM - 4:00 PM (EST)

Chapter 20 - December 2021

Tue, Dec 14, 2021 2:00 PM - 3:30 PM (EST)

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Chapter 20 Drainage Board Meeting
Regular Meeting – Tuesday, December 14, 2021

1. Acacia Park CSO

AGENDA

DRAINAGE BOARD FOR THE ACACIA PARK CSO DRAIN

December 14, 2021

1. Call meeting to order
2. Approve minutes of meeting of November 16, 2021
3. Public Comments
4. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$36,516.56
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**

November 16, 2021

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 16th day of November, 2021.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

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

Minutes of the meeting held October 26, 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.

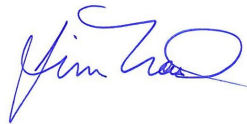
A request for approval of payment of invoices and reimbursement of the Drain Revolving Fund in the amount of \$29,732.38 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and reimbursement of the Drain Revolving Fund in the amount of \$29,732.38.

ADOPTED: Yeas - 2
Nays - 0

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

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.



Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Acacia Park CSO Drain, Oakland County, Michigan, held on the 16th day of November, 2021, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: November 16, 2021

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

Sj Phelps

DATE: December 14, 2021

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 December 10, 2021

G/L Date	Ref No.	Paid To	For	Amount
11/30/2021	V # 1573159	National Restoration, Inc	Invoice # 3589 - Contracted Services - Proj 1-3540	26,891.56
11/30/2021	V # 1573166	National Restoration, Inc	Invoice # 3595 - Contracted Services - Proj 1-3540	9,625.00
			Project # 1-3542 Subtotal	<u>\$ 36,516.56</u>
			Grand Total	<u>\$ 36,516.56</u>

2. Birmingham CSO

AGENDA

DRAINAGE BOARD FOR THE BIRMINGHAM CSO DRAIN

December 14, 2021

1. Call meeting to order
2. Approve minutes of meeting of November 16, 2021
3. Public Comments
4. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$5,860.01
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**

November 16, 2021

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 16th day of November, 2021.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

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

Minutes of the meeting held October 26, 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.

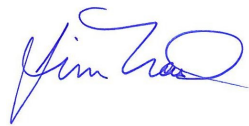
A request for approval of payment of invoices and reimbursement of the Drain Revolving Fund in the amount of \$5,734.71 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and reimbursement of the Drain Revolving Fund in the amount of \$5,734.71.

ADOPTED: Yeas - 2
Nays - 0

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

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.



Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Birmingham CSO Drain, Oakland County, Michigan, held on the 16th day of November, 2021, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: November 16, 2021

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting



DATE: December 14, 2021

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 December 10, 2021

G/L Date	Ref No.	Paid To	For	Amount
11/16/2021	V # 1568809	JCI Jones Chemicals Inc	Invoice # 871939 - Chlorination Supplies	\$ 1,800.01
			Subtotal	\$ 1,800.01
11/22/2021	V # 1570153	Hubbell, Roth, & Clark, Inc	Invoice # 0191265 - Contracted Services - Proj # 1-3495	1,900.00
11/22/2021	V # 1570156	Hubbell, Roth, & Clark, Inc	Invoice # 0191266 - Contracted Services - Proj # 1-3495	2,160.00
			Subtotal Project # 1-3495	\$ 4,060.00
			Total	\$ 5,860.01

3. Bloomfield Village CSO

AGENDA

DRAINAGE BOARD FOR THE BLOOMFIELD VILLAGE CSO DRAIN

December 14, 2021

1. Call meeting to order
2. Approve minutes of meeting of November 16, 2021
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 \$61,205.72
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

November 16, 2021

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 16th day of November, 2021.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

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

Minutes of the meeting held October 26, 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.

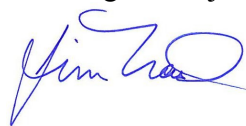
A request for approval of payment of invoices and reimbursement of the Drain Revolving Fund in the amount of \$2,231.25 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and reimbursement of the Drain Revolving Fund in the amount of \$2,231.25.

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 Bloomfield Village CSO Drain, Oakland County, Michigan, held on the 16th day of November, 2021, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: November 16, 2021

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

Sj Phelps

DATE: December 14, 2021

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 December 10, 2021

G/L Date	Ref No.	Paid To	For	Amount
12/2/2021	V # 1572419	D'Angelo Brothers Inc	Invoice # 7981-WRCD - Contracted Services	\$ 18,494.43
11/16/2021	V # 1568812	JCI Jones Chemicals Inc	Invoice # 871940 - Chlorination Supplies	1,798.44
			Total	<u>\$ 20,292.87</u>
11/30/2021	V # 1573167	National Restoration, Inc	Invoice # 3596 - Contracted Services - Proj 1-3546	\$ 38,697.69
			Project # 1-3546 Subtotal	<u>38,697.69</u>
12/2/2021	V # 1572545	Detroit Pump & Mfg Co	Invoice # 1068068 - Contracted Services - Proj 1-3551	\$ 2,215.16
			Project # 1-3551 Subtotal	<u>2,215.16</u>
			Total	<u>\$ 61,205.72</u>

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

AGENDA

DRAINAGE BOARD FOR THE CLINTON RIVER WATER RESOURCE RECOVERY FACILITY

December 14, 2021

1. Call meeting to order
2. Approve minutes of meeting of November 16, 2021
3. Public Comments
4. Change order no. 1 for Frank Rewold and Son, Inc. for a net decrease in the amount of \$10,072.97
5. Present request for Board approval of payment of invoices and/or reimbursement from the Construction Fund in the amount \$37,988.41
6. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund from the Maintenance Fund in the amount of \$197,531.57
7. Other business
8. Approve pro rata payment to Drainage Board members
9. Adjourn

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

November 16, 2021

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 16th day of November, 2021.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

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

Minutes of the meeting held October 26, 2021 were presented for consideration. It was moved by Markham, supported by Nash, that the minutes be approved.

ADOPTED: Yeas - 2
Nays - 0

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

A memorandum from Michael Daniels, Chief WRC Water Resource Recovery, dated November 16, 2021 requesting the Board to authorize the purchase of a motor replacement from York Repair, Inc. at a cost of \$16,874 and establish a non-purchasing contract with this company for future use was presented. It was moved by Markham, supported by Nash, to approve the purchase of a motor replacement from York Repair, Inc. at a cost of \$16,874 and establish a non-purchasing contract with this company for future use as presented.

ADOPTED: Yeas - 2
Nays - 0

A request for approval of payment of invoices and reimbursement of the Drain Revolving Fund in the amount of \$139,145.07 (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 \$139,145.07.

ADOPTED: Yeas - 2
Nays - 0

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

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.



Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Clinton River Water Resource Recovery Facility, Oakland County, Michigan, held on the 16th day of November, 2021, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: November 16, 2021

DRAIN CHANGE ORDER NO. 1 (Balancing & Final)

Jim Nash, Oakland County Water Resources Commissioner

For Construction of the Clinton River Water Resources Recovery Facility Administration Building Renovation and AdditionLocated in City of Pontiac, Oakland County, MichiganCONTRACTOR: Frank Rewold and Son, Inc.Address: 303 E. Third Street, Suite 300Rochester, MI 48307

Authorization for Extras To & Changes In Contract

Change Order No: 1 Final Date Issued: 11/24/2021

Auth No.	Location-Description-Reason	Unit Used	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
1	LOCATION: Clinton River Water Resource Recovery Facility Administration Building DESCRIPTION: Change/Deduct This change is to deduct the remaining allowance for general contingency.	NA	NA	NA	\$0.00	\$10,072.97
1	REASON: This portion of the contingency allowance is unused.					
	The following price adjustments are being made to balance and close out the Contract.					
Totals					\$0.00	\$10,072.97
Net Decrease					---	\$10,072.97

CHANGE ORDER NO. 1 Final

JIM NASH Water Resources Commissioner

For Construction of the Clinton River Water Resources Recovery Facility Administration Building Renovation and AdditionPrepared by: [Signature] Date: 11/29/2021
Project Engineer – Razik Alsaigh - PE
Oakland County Water Resources Commissioner's OfficeRecommended by: NA Date NA
Consulting Engineer – FishbeckApproved by: [Signature] Date: Dec 1, 2021
Chief Engineer – Gary Nigro - PE
Oakland County Water Resources Commissioner's Office

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

Accepted by: [Signature] Date: 11/29/21of: Frank Rewold and Son, Inc.Approved by: [Signature] Date: 12/2/2021
Manager – Sidney Lockhart, P.E.
Construction Management
Oakland County Water Resources Commissioner's Office

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

This Change Order No. 1 Final was approved by the Drainage Board on: _____JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER
2 of 2

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

Sj Phelps

DATE: December 14, 2021

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

	Ref No.	For	Amount
CDM Smith Michigan, Inc	V # 1570027	Invoice # 54 - Engineering Admin - 09/01/21 - 09/30/21 - Proj 1-2181	\$ 32,843.63
CDM Smith Michigan, Inc	TBP	Invoice # 55 - Engineering Admin - 11/01/21 - 11/30/21 - Proj 1-2181	\$ 4,282.28
Dickinson Wright PLLC	V # 1570112	Invoice # 1635129 - Legal Services - 10/31/21 - Proj #1-2181	862.50
		Total for Project # 1-2181	\$ 37,988.41

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

SjPhelps

DATE: December 14, 2021

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 November 11, 2021 to December 10, 2021.

Payable To	Ref No.	For	Amount
USA Blue Book	Nov 2021 Pcard	Pcard - Lab Supplies	\$ 1,130.38
North Electric Supply	Nov 2021 Pcard	Pcard - Materials and Supplies	1,254.48
Grainger	Nov 2021 Pcard	Pcard - Materials and Supplies	2,755.00
PVS Technologies Inc	TBP	Invoice # 299153 - Chemical Treatment	10,271.40
PVS Technologies Inc	TBP	Invoice # 299585 - Chemical Treatment	1,951.26
PVS Technologies Inc	TBP	Invoice # 300764 - Chemical Treatment	2,326.62
PVS Technologies Inc	TBP	Invoice # 300944 - Chemical Treatment	4,624.68
Polydyne Inc	V # 1571074	Invoice # 1592515 - Chemical Treatment	34,892.80
Polydyne Inc	V # 1573107	Invoice # 1594804 - Chemical Treatment	35,449.60
MacAllister / Michigan CAT	V # 1573155	Invoice # R86437973701 - Equipment Rental	1,586.50
Primodel	TBP	Invoice # 2021-0110 - Engineering Services	875.00
D.J. Conley	TBP	Invoice # SI-45684-1 - Material and Supplies	1,777.06
Hesco	TBP	Invoice # 202113247 - Material and Supplies	1,007.70
Dickinson Wright PLLC	V # 1572429	Invoice # 1635134 - Legal Services - 10/31/2021	4,312.50
Hubbell, Roth, & Clark, Inc	TBP	Invoice # 0183368 - Engineering Services	5,463.91
Hubbell, Roth, & Clark, Inc	TBP	Invoice # 0184168 - Engineering Services	2,862.84
Hubbell, Roth, & Clark, Inc	TBP	Invoice # 0186636 - Engineering Services	1,444.23
Hubbell, Roth, & Clark, Inc	TBP	Invoice # 0189512 - Engineering Services - 07/10/2021	5,725.00
Hubbell, Roth, & Clark, Inc	TBP	Invoice # 0191272 - Engineering Services - 09/30/2021	915.09
Waste Management	TBP	Invoice # 8567770-1714-1 - Garbage & Rubbish Disposal	1,265.82
Waste Management	TBP	Invoice # 8567720-1714-6- Garbage & Rubbish Disposal	4,215.53
Subtotal			\$ 126,107.40
Fishbeck, Thompson, Carr & Huber Inc	V #1570123	Invoice # 405183 - Engineering and Survey - Proj #1-3042	\$ 332.00
Subtotal - Project 1-3042			\$ 332.00
DuBois-Cooper	TBP	Invoice # 19413 - Equipment - Proj #1-3469	\$ 20,980.00
Subtotal - Project 1-3469			\$ 20,980.00
Gamalski Building Specialties, Inc	V # 1572511	Invoice # 103949 - Material and Supplies - Proj # 1-3451	\$ 1,650.00
Subtotal - Project 1-3451			\$ 1,650.00
CSM Mechanical LLC	V # 1572547	Invoice # 21-557 - Contractor Payments - Proj #1-3429	\$ 2,975.00
Subtotal - Project 1-3429			\$ 2,975.00
CH2M Hill Engineers, Inc	V # 1570033	Invoice # 683676CH036 - Contracted Services - 10/01/21 - Proj # 1-3338	5,413.73
CH2M Hill Engineers, Inc	V # 1573151	Invoice # 683676CH038 - Contracted Services - 10/29/21 - Proj # 1-3338	5,864.54
CH2M Hill Engineers, Inc	TBP	Invoice # 683676CH040 - Contracted Services - 11/26/21 - Proj # 1-3338	8,219.39
Subtotal - Project 1-3338			\$ 19,497.66
Trio Contracting Inc	TBP	Invoice # - 59174 - Contracted Services - Proj # 1-3269	\$ 18,572.61
Subtotal - Project 1-3269			\$ 18,572.61
CH2M Hill Engineers, Inc	TBP	Invoice # - 683676CH039 - Contracted Services - 11/26/21 - Proj # 1-3246	\$ 7,416.90
Subtotal - Project 1-3246			\$ 7,416.90
Total			\$ 197,531.57

Chapter 20 Drainage Board Meeting
Regular Meeting – Tuesday, December 14, 2021

5. George W. Kuhn Drain

AGENDA

DRAINAGE BOARD FOR THE GEORGE W. KUHN DRAIN

December 14, 2021

1. Call meeting to order
2. Approve minutes of meeting of November 16, 2021
3. Public Comments
4. Present Memorandum from Gary Nigro, Chief Engineer, dated December 14, 2021, to authorize the Chairperson to execute all necessary documents, including an easement use agreement, for construction of a secondary power line associated with this MDOT project within an existing Drainage District easement
5. Present Memorandum from Craig Tiell, Civil Engineer II, dated December 14, 2021, to approve final reserve payment for the Dequindre Pump Station Rehabilitation Project in the amount of \$305,392.71 to be issued to Weiss Construction
6. Final Change order for Weiss Construction in the amount of \$0.00
7. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$53,797.72
8. Other business
9. Approve pro rata payment to Drainage Board members
10. Adjourn

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

November 16, 2021

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 16th day of November, 2021.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

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

Minutes of the meeting held October 26, 2021 were presented for consideration. It was moved by Markham, supported by Nash, that the minutes be approved.

ADOPTED: Yeas - 2
Nays - 0

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


A memorandum from George P. Nichols, P.E., Civil Engineer III, dated November 16, 2021 requesting the Board to receive and file the letter and update from the U.S. Army Corps of Engineers for the Phase IV Sewer Video Project was presented. It was moved by Markham, supported by Nash to receive and file the letter and update from the U.S. Army Corps of Engineers for the Phase IV Sewer Video Project as presented.

ADOPTED: Yeas - 2
Nays - 0

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

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.

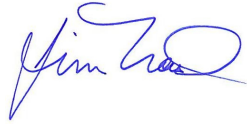


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the George W. Kuhn Drain, Oakland County, Michigan, held on the 16th day of November, 2021, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: November 16, 2021

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**

MEMORANDUM

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

FROM: Gary Nigro, Chief Engineer

SUBJECT: Easement Use Agreement for Construction of MDOT Secondary Underground Power Line within GWK Drain Easement for the Planned Stormwater Pump Station associated with the I-75 Modernization Project

DATE: December 14, 2021

The Michigan Department of Transportation (MDOT), through its contractors Oakland Corridor Partners, has proposed to construct an underground power line within a GWK Drain easement located on property owned by the City of Madison Heights for the construction of underground storage pipe and a pump station for stormwater management. The proposed facilities are associated with the I-75 Modernization Project.

To help facilitate construction of this important project, the execution of an Easement Use Agreement is necessary to protect the Drainage District's easement interests. MDOT has signed the attached Easement Use Agreement which also requires the Drainage District's signature to finalize the agreement.

Requested Action: Authorize the chairman to execute all necessary documents, including an easement use agreement, for construction of a secondary power line associated with this MDOT project within an existing GWK Drain easement.

EASEMENT USE AGREEMENT

This Agreement made and entered into this _____ day of _____, 2021 (“**Effective Date**”) by and between **MICHIGAN DEPARTMENT OF TRANSPORTATION**, whose address is 18101 W. Nine Mile Road, Southfield, Michigan 48075 (“**MDOT**”) and the **GEORGE W. KUHN DRAIN DRAINAGE DISTRICT**, a Michigan Statutory Corporation, acting through the Drainage Board for the **GEORGE W. KUHN DRAIN** (“**Drain**”) pursuant to Chapter 20 of Act No. 40 of the Public Acts of 1956, as amended (Michigan Drain Code), (the “**District**”), whose address is the Office of the Oakland County Water Resources Commissioner (“**WRC**”), One Public Works Drive, Waterford, Michigan, 48328-1907.

WITNESSETH:

WHEREAS, **MDOT** has obtained a right of way permit, attached as Exhibit A, from the property owner (City of Madison Heights) for certain property, said property being more particularly described as:

T1N, R11E, SEC 11 W 1/2 OF SE 1/4 EXC E 35 ACRES, ALSO EXC BEG AT S 1/4 COR, TH N 00-41-20 W 649.46 FT, TH N 65-05-30 E 124.84 FT, TH N 34-55-10 E 406.44 FT, TH N 81-43-00 E 546.67 FT, TH S 00-35-47 E 1091.34 FT, TH S 88-32-10 W 890.77 FT TO BEG, ALSO EXC THAT PART TAKEN FOR I-75 HWY, ALSO EXC BEG AT PT DIST N 88-32-10 E 890.77 FT & N 00-35-57 W 1091.34 FT FROM S 1/4 COR, TH S 81-43-00 W 546.67 FT, TH S 34-55-10 W 1.28 FT, TH N 01-15-31 W 163.35 FT, TH N 88-44-29 E 35 FT, TH N 65-09-22 E 157.89 FT, TH N 86-40-32 E 266.18 FT, TH N 13-05-15 E 70.01 FT, TH N 81-17-10 E 71.25 FT, TH N 64-40-50 E 13.74 FT, TH S 00-35-57 E 250.91 FT TO BEG, ALSO EXC THAT PART TAKEN FOR AJAX DRIVE DESC AS BEG AT PT DIST N 88-32-10 E 890.77 FT & N 00-35-57 W 1368.60 FT FROM S 1/4 COR, TH S 81-17-22 W 106.47 FT, TH N 00-35-57 W 60 FT, TH N 23-42-47 E 86 FT, TH N 00-35-57 W 1027.77 FT, TH N 89-24-03 E 70 FT, TH S 00-35-57 E 1151.12 FT TO BEG 18.61 A 1-16-03 FR 001 1-30-08 CORR

Sidwell No: 25-11-403-008

Commonly known as: 801 AJAX DR MADISON HEIGHTS MI 48071-2400

WHEREAS, there is located over said property permanent easement(s) for storm drainage purposes, said easement having been granted to the **District** as recorded in **Liber 24285, Page(s) 795-799**, Oakland County Records; and,

WHEREAS, MDOT acknowledges and accepts the rights of the **District** in permanently maintaining control and usage of said easement(s); and

WHEREAS, MDOT desires to construct a meter/switchgear, bollards, utility pole, underground electric line and related appurtenances (hereinafter referred to as the “**Improvements**”) within said easement; and

WHEREAS, the District does not object to the placement of said **Improvements** within the easement(s) as approved at its Board meeting

NOW, THEREFORE, in consideration of the premises and covenants and undertakings hereinafter contained, and for **ONE DOLLAR (\$1.00)**, receipt of which is hereby acknowledged, **MDOT** and **District** mutually agree as follows:

- 1) **MDOT** shall be allowed to construct and maintain the **Improvements** within said easement(s) as depicted in the attached site plan prepared by **AECOM, Job No. 201438**, dated **January 15, 2021**, and approved by the **District**. Said **Improvements** to be used for MDOT’s purposes, and shall further be subject to the following conditions:
 - a) **MDOT** shall not change or modify the **Improvements** located within the easement without prior approval from the **District**.
 - b) **MDOT** shall notify the **District** 48 hours prior to construction to arrange inspection as may be necessary.
 - c) **MDOT** shall not change the grade within the easement to interfere with or impede the flow of surface drainage.
 - d) **MDOT** shall have the limits of the easement staked by a qualified surveyor prior to construction.
- 2) The **Improvements** and all related appurtenances shall be subject to the paramount rights of the **District**.
- 3) Except as permitted by this agreement, **MDOT** shall not build or convey to others permission to build any permanent structures in or on the easement area. As used herein, the term “**permanent structures**” shall include, by way of example but not limitation, buildings, additions, retaining walls or other structures which require footings or structures that impair,

obstruct, or adversely affect the rights of the **District** under said easement. Notwithstanding anything else contained herein, in the event it becomes necessary for the **District**, its agents or assigns to maintain, operate, repair, clean, enlarge, relocate, or otherwise improve the drainage system, and in doing so it requires the removal disassembly, disturbance or destruction of the **Improvements** located within the easement, **MDOT** shall be solely responsible for any increased costs to the **District** and all costs associated with the restoration of said **Improvements**.

- 4) Each party to this Agreement will remain responsible for any and all claims arising out of its own acts and/or omissions during the performance of the Agreement, as provided by this Agreement or by law. This Agreement is not intended to increase or decrease either party's liability for or immunity from tort claims. This Agreement is not intended to nor will it be interpreted as giving either party a right of indemnification, either by contract or by law, for claims arising out of the performance of this Agreement.
- 5) **MDOT** shall be responsible for any damage to **District's** facilities due to construction or future use of the **Improvements**.
- 6) Prior to the Effective Date of this agreement and continuing for the duration of use of the premises, **MDOT** and its contractors shall obtain and maintain General Liability Insurance with **District** listed as an additional named insured protecting the **District** from any and all claims arising from use of the premises. **MDOT** will provide proof of insurance to **District** prior to construction activities on the premises.
- 7) **MDOT** and/or its contractor shall be responsible for and obtain any permits, approvals or clearances as may be required from federal, state or local authorities, the public utilities and private property owners.
- 8) The terms, conditions, covenants and other provisions contained in this Agreement shall run with the land and be binding upon and inure to the benefit of each of the parties hereto and their respective agents, successors and assigns; further, this instrument shall be recorded in the Register of Deeds Office, Oakland County, Michigan, as a condition precedent to effectuation of the Agreement.

(Remainder of this page intentionally left blank)

IN WITNESS WHEREOF, the **District** has hereunto affixed its signature this _____ day of _____ A.D., 2021.

**GEORGE W. KUHN DRAINAGE DISTRICT,
a Michigan Statutory Corporation**

By: _____

Jim Nash

Its: **Chairperson** of the Drainage Board for the
George W. Kuhn Drainage District

ACKNOWLEDGEMENT

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

On this _____ day of _____, **2021**, before me, a Notary Public in and for said County, personally appeared **JIM NASH** to me personally known, who being by me severally duly sworn did say that he is **CHAIRPERSON** of the Drainage Board for the **GEORGE W. KUHN DRAINAGE DISTRICT**, a corporation created and existing under the laws of the **State of Michigan**, and that the said Easement Use Agreement was signed and sealed on behalf of said statutory corporation by authority of its Drainage Board, and the said Chairperson acknowledged the said instrument to be the free act and deed of the said Corporation.

Notary Public

County, Michigan
My Commission Expires: _____
Acting in County of _____

This instrument drafted by:
Jeffrey S. Parrott, Right of Way Supervisor,
Office of the Oakland County Water Resources Commissioner
Building 95 West
One Public Works Drive
Waterford, Michigan 48328-1907

Exhbit A

City of Madison Heights

No: PROW 21-0044

Permit for Utility Construction in Public Right-of-Way

Community Development Department	300 W. Thirteen Mile	Madison Heights, Michigan 48071
Phone:(248) 583-0831	Fax: (248) 588-4143	Hours: Monday-Friday 8 am - 4:30 pm

1000 ROW UTILITY CITY OF MADISON HEIGHTS 44-25-00-000-000	Location	CITY OF MADISON HEIGHTS 300 W THIRTEEN MILE RD MADISON HEIGHTS MI 48071	Owner
Issued: 06/22/21 24 HOURS NOTICE REQUIRED FOR INSPECTION YOU MUST REQUEST INSPECTION.	Expire Date: 06/22/22	MI 75 CONSTRUCTORS LLC 12955 23 MILE ROAD SHELBY TOWNSHIP MI 48315 (517) 331 5648	Contractor

Work Description: 1410 AJAX DR - WITHIN ROW OF AJAX DR AND I-75

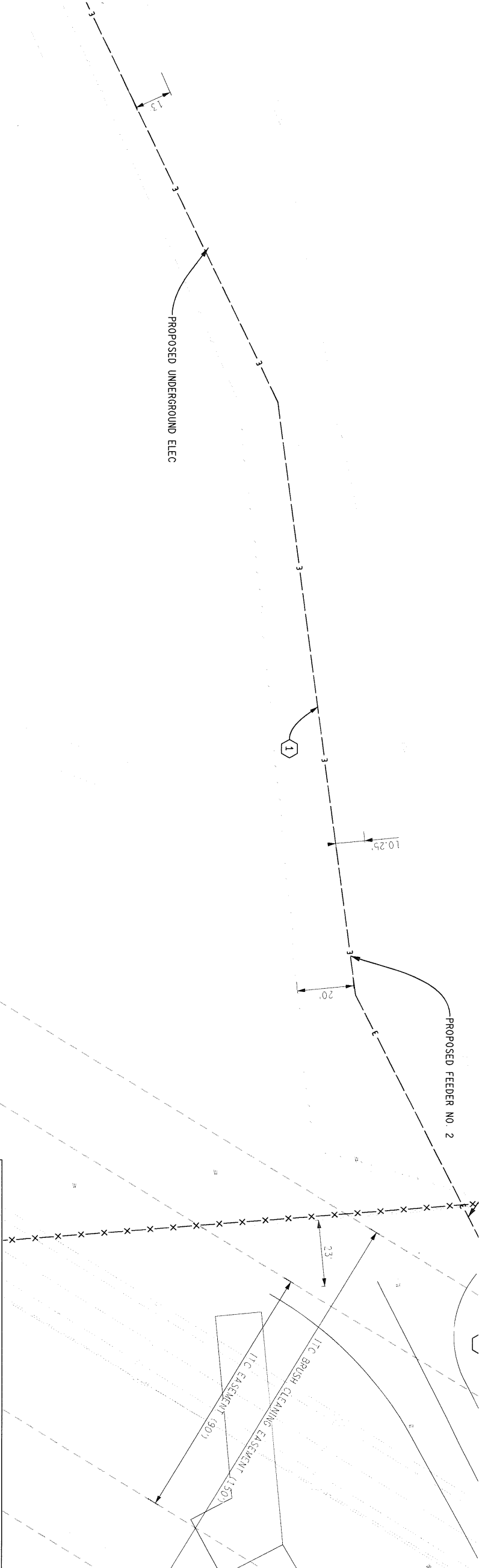
SECONDARY ELECTRIC LINE TO MDOT PUMP STATION, 3 FT OF COVER TYPICAL

Permit Item	Work Type	No. of Items	Item Total
GIS Services	Miscellaneous	150.00	\$150.00
Application Fee	Fees	1.00	\$200.00
Plan Review	Fees	200.00	\$200.00

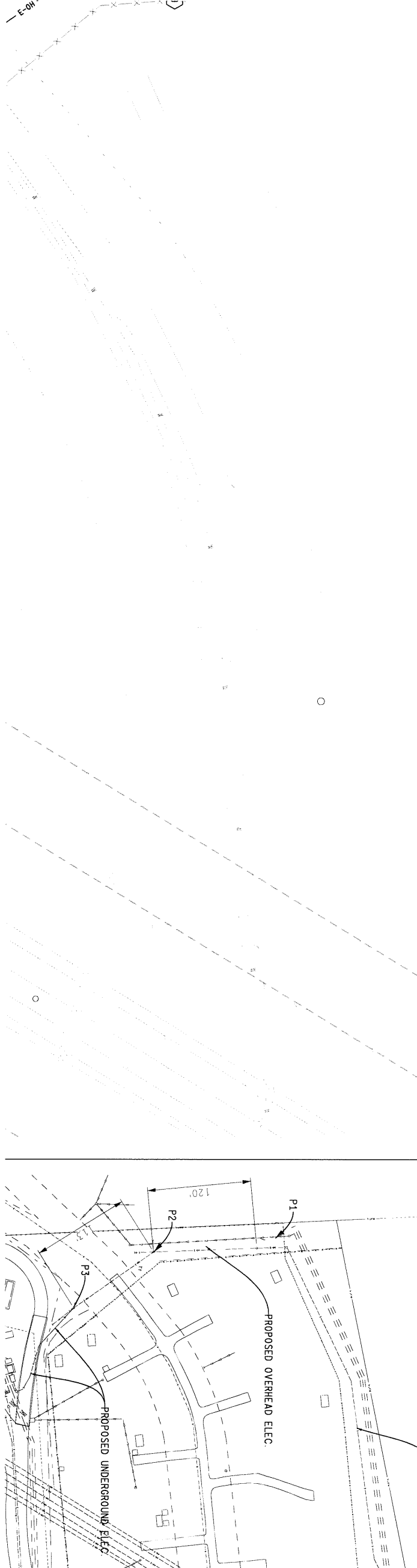
CALL BEFORE YOU DIG - NATIONAL MISS DIG CALL CENTER - DIAL '811'

Fee Total: \$550.00

I agree this permit is only for the work described, and does not grant permission for additional or related work which requires separate permits. I understand that this permit will expire, and will become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced; and, that I am responsible for assuring all required inspections are requested in conformance with the applicable code.
I hereby certify that the proposed work is authorized by the owner, and that I am authorized by the owner to make this application as his authorized agent. I agree to conform to all applicable laws of the State of Michigan and the local jurisdiction. All information on the permit application is accurate to the best of my knowledge.
Payment of permit fee constitutes acceptance of the above terms.



—PROPOSED OVERHEAD ELEC



—E-OH

LIBER 24285 PAGE 795

399278
LIBER 24285 PAGE 795
\$15.00 MISC RECORDING
\$2.00 REINDEMENTATION
12/19/2001 12:18:07 P.M. RECEIPT# 87344
PAID RECORDED - OAKLAND COUNTY
G. WILLIAM CADDELL, CLERK/REGISTER OF DEEDS

RIGHT OF WAY

Parcel No. 21R

KNOW ALL MEN BY THESE PRESENTS, That the CITY OF MADISON HEIGHTS, 300 W. Thirteen Mile Rd., Madison Heights, Michigan 48071, PARTIES OF THE FIRST PART, for and in consideration of the sum of ONE (\$1.00) DOLLAR receipt of which is hereby acknowledged, paid to them by the GEORGE W. KUHN DRAIN DRAINAGE DISTRICT, acting through the Drainage Board for the GEORGE W. KUHN DRAIN under Chapter 20 of Act No. 40 of the Public Acts of 1956, as amended, PARTY OF THE SECOND PART, whose address is One Public Works Drive, Waterford, Michigan 48328-1907, do hereby grant to the said Party of the Second Part the right to construct, operate, maintain, repair and/or replace the GEORGE W. KUHN DRAIN across and through the following described parcel of land situated in the Township of

Royal Oak, Oakland County, Michigan, to-wit:

The West ½ of the Southeast ¼ of Section 11, T.1N., R.11E., Royal Oak Twp., City of Madison Heights, Oakland County, Michigan, except the East 35 acres, also except beginning at the South ¼ corner: thence N. 00°41'20"W., 649.46 ft.; thence N. 65°05'30"E., 124.84 ft.; thence N. 34°55'10"E., 406.44 ft.; thence N. 81°43'00"E., 546.67 ft.; thence S. 00°50'30"E., 1091.34 ft.; thence S. 88°32'10"W., 889.02 ft. to the Point of Beginning, also except that part taken for I-75 Highway, also except Beginning at a point located N. 88°32'10"E., 890.77 ft. and N. 00°35'30"W., 1091.34 ft. from the South ¼ corner of said Section 11: thence S. 81°43'00"W., 546.67 ft.; thence S. 34°55'10"W., 1.28 ft.; thence N. 01°15'31"W., 163.35 ft. along the East right-of-way line of I-75 Hwy.; thence N. 88°44'29"E., 35.0 ft.; thence N. 65°09'22"E., 157.89 ft.; thence N. 86°40'32"E., 266.18 ft.; thence N. 13°05'15"E., 70.01 ft.; thence N. 81°17'10"E., 71.25 ft.; thence N. 64°40'56"E., 13.74 ft.; thence S. 00°35'30"E., 250.91 ft. to the point of beginning.

Sidwell No. 25-11-403-001 pt.

CALL KIM BROWN
WHEN READY
80969

O.K. - KB

A PERMANENT EASEMENT DESCRIBED AS FOLLOWS:

Beginning at a point on the East line of the above described parcel located S. 00°35'30"E., 1474.66 ft. along said East line from the Northeast parcel corner; thence S. 00°35'30"E., 26.34 ft. along said East line to the Southeast parcel corner; thence Westerly along the Southerly parcel line S. 64°40'50"W., 13.74 ft. and S. 81°17'10"W., 71.25 ft. and S. 13°05'15"W., 70.01 ft. and S. 86°40'32"W., 266.18 ft. and S. 65°09'22"W., 157.89 ft. and S. 88°44'29"W., 35.0 ft. to the Southwest parcel corner; thence N. 01°15'31"W., 110.26 ft. along the West parcel line; thence N. 81°17'10"E., 551.21 ft. to the Point of Beginning.

A TEMPORARY EASEMENT DESCRIBED AS FOLLOWS:

Beginning at a point on the East line of the above described parcel located S. 00°35'30"E., 323.31 ft. along said East line from the Northeast parcel corner; thence S. 00°35'30"E., 1151.35 ft. along said East line; thence S. 81°17'10"W., 551.21 ft. to a point on the West parcel line; thence N. 01°15'31"W., 964.29 ft. along said West line; thence N. 89°24'30"E., 456.91 ft.; thence N. 00°35'30"W., 265.0 ft.; thence N. 89°24'30"E., 100.0 ft. to the Point of Beginning.

The Parties of the First Part herewith agree not to build or convey to others permission to build any permanent structures on the above permanent easement.

All trees within the permanent easement can be removed and not replaced.

Said temporary construction easement shall terminate upon the completion date of construction.

This instrument shall be binding upon and inure to the benefit of the parties hereto, their heirs, representatives, successors and assigns.

A map of the above described easement is attached hereto and made a part thereof.

If the said premises shall be disturbed by reason of the exercise of any of the foregoing powers, then said premises shall be restored to substantially the condition that existed prior to the contractors entering upon said premises.

LIBER 24285 PAGE 797

IN WITNESS WHEREOF, the Parties of the First Part have hereunto
affixed their signatures this 20th day of November, A.D., 2001.

WITNESSES:

CITY OF MADISON HEIGHTS

Geraldine A. Flack
Geraldine A. Flack

Edward C. Swanson (L.S.)
Edward C. Swanson, Mayor

Marelyn J. Haley
Marelyn J. Haley

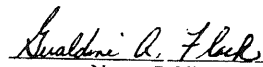
Jon R. Austin (L.S.)
Jon R. Austin, City Manager

_____(L.S.)

_____(L.S.)

ACKNOWLEDGEMENT

On this 8th day of November, A.D., 2001, before me, a
Notary Public in and for said County, personally appeared
Jon R. Austin and Edward C. Swanson me personally known,
who being by me severally duly sworn did say they are respectively the
City Manager and Mayor of the CITY OF
MADISON HEIGHTS, a corporation created and existing under the laws of the
State of Michigan, and that the said Easement Grant was signed and sealed in
behalf of said corporation by authority of its Board of Directors, and the said
City Manager and Mayor acknowledged the said
instrument to be the free act and deed of the said Corporation.


Notary Public
Geraldine A. Flack
Oakland County, Michigan

My Commission Expires: 6-02-2004

This instrument drafted by:

James W. Isaacs, Jr., P.S., Office of
Oakland County Drain Commissioner
Building 95 West
One Public Works Drive
Waterford, Michigan 48328-1907

TEM/kmb

Cadbury Brown's Print 10-10615787-MADESOPH-218/10/9/01

Form-DC-175


EASEMENT SKETCH



N

SCALE: 1"=200'

PROJECT: GEORGE W. KUHN DRAIN

PERMANENT EASEMENT  EASEMENT PARCEL NO. 21 DWG. 1 OF 1

TEMPORARY EASEMENT SIDWELL NO. 25-11-403-001 pt.

PART OF THE SE 1/4 OF SECTION 11, T.1N., R.11E., ROYAL OAK TWP., CITY OF MADISON HEIGHTS

JOHN P. McCULLOCH
OAKLAND COUNTY DRAIN COMMISSIONER
Page 1 of 1

Rev.: 08/01/01

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

TO: Jim Nash, Chairman
Drainage Board for the George W. Kuhn Drain Drainage District

FROM: Craig Tiell, Civil Engineer II

SUBJECT: Final Payment for Dequindre Pump Station Rehabilitation
Project No. 1-2190

DATE: December 14, 2021

Construction of Dequindre Pump Station Rehabilitation- George W. Kuhn Drain Drainage District has been completed in accordance with the requirements of the contract documents. All complaints on this project as a result of the construction activities have been resolved. The contractor, Weiss Construction has requested final payment. Attached are the following:

1. Memo from the WRC Inspection Unit dated 11/29/21 stating that all punch list items have been completed and that all work is in accordance with the construction documents.
2. E-mail from Wade Trim dated 12/2/21 certifying Substantial and Final Completion (including request from Weiss Construction).
 - Substantial Completion dated 2/4/21
 - Final Completion dated 9/2/21
3. Final Payment Form DC-113
4. Final Change Order Form DC-112
5. Contractor's summary of account adjustments dated 11/29/21
6. Contractor's request for final payment dated 9/30/21
7. Contractor's Declaration dated 11/10/21
8. Contractor's Affidavit dated 11/29/21
9. Sworn Statement by Wiess Construction dated 11/10/21
10. Consent of Surety to Final Payment with Power of Attorney dated 11/8/21
11. Full Unconditional Waivers of Lien from all subcontractor and suppliers listed on the contractors Sworn Statement.

12. Copy of the Maintenance and Guarantee Bond and Power of Attorney dated 5/7/19


13. Contractor's Evaluation Form DC-384 dated 11/29/21

14. Permit closeout:

- City of Madison Heights Plumbing Permit #PP19-0299 (approved 11/10/20)
- City of Madison Heights Electrical Permit #PE19-0539 (approved 1/25/21)
- City of Madison Heights HVAC & Gas Line (Inspection Daily Report dated 2/4/21)
- City of Madison Heights Building (Inspection Daily Report dated 2/4/21)
- Consumer Powers Emergency Generator (Inspection Daily Reports dated 1/14/21, 1/22/21 and 2/1/21)

15. DC-386D Construction Closeout Checklist dated 11/29/21

It is my recommendation that final payment in the amount indicated on Page 1 of 1 of the Final Payment Form DC-113 be issued to Weiss Construction



Craig Tiell
Civil Engineer II

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**

MEMORANDUM

TO: Gary Nigro, P.E. Chief Engineer

FROM: Joseph Carley, Supervisor I, CDM Unit

SUBJECT: Dequindre Pump Station Rehabilitation, George W. Kuhn Drain Drainage District
Project No. 1-2190

DATE: November 29, 2021

The WRC /CDM Unit Inspection of the above referenced project has been completed. All aspects of the project have been constructed in accordance with the approved plans and specifications of the Water Resource Commissioners Office. All punch list items are completed, and the project has passed all applicable testing and has been put into service.

Joe Carley

Joseph Carley
Supervisor I

Cc: Job File

**Jim Nash, Oakland County Water Resources Commissioner
Dequindre Pump Station Rehabilitation
George W. Kuhn Drain Drainage District**

Final Construction Payment ✓

Department No.: 6010101
Fund No.: 58520
Project No.: 1-2190

September 1, 2021 to September 30, 2021 ✓

Account No.: 730373
Program No.: 149667
Activity: FAC

Contractor:

Weiss Construction
4000 Renaissance Center, Suite 2170
Detroit, MI 48243

Date of Contract: May 14, 2019
Completion Date: August 30, 2020
Extended to:

Original Contract Amount: \$5,845,000.00

Previous Change Orders: \$262,854.11
Numbers: Change Order #1, #2, #3 and #4

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

Total Net Change Orders: (No further authorization on this Contract) \$262,854.11

Final Adjusted Contract Amount: \$6,107,854.11

Final Sub-Total: \$6,107,854.11

Final Amount Allowed: \$6,107,854.11

Less Previous Estimates: \$5,802,461.40 ✓

Final Payment Request To Be Paid To Contractor: \$0.00

Final Reserve Payment to Contractor \$305,392.71

Balance of Contract ✓ \$0.00 Accounting Auditor: HDG 11/29/21

Amount To Be Reserved \$0.00

Less Previous Transfers To Reserve: \$305,392.71 ✓

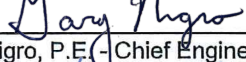
Amount of Current Transfer: (\$305,392.71)

Prepared by: 
Craig Tiell - Project Engineer

Date: 11/29/21

Recommended by: 
John Arvai, P.E. - Consulting Engineer

Date: 11/30/2021

Approved by: 
Gary Nigro, P.E. - Chief Engineer, Construction Management

Date: Dec 3, 2021

Approved For Payment: 
Sid Lockhart, P.E. - Special Project Manager, Construction Management

Date: 12/6/2021

Final Construction Payment

Approved By Board On: _____

CHANGE ORDER NO. Final

Jim Nash, Oakland County Water Resources Commissioner, County Agency
 For Construction of the Dequindre Pump Station Rehabilitation- George W. Kuhn Drain Drainage District
 Located in Madison Heights, Oakland County, Michigan

CONTRACTOR: Weiss Construction
 Address: 4000 Renaissance Center, Suite 2170
Detroit, MI 48243

Authorization for Extras To & Changes In Contract

Change Order No: Final Date: 11/29/2021


Auth No.	Location-Description-Reason	Unit Used	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
A	LOCATION: Dequindre Pump Station -George W. Kuhn Drain Drainage District DESCRIPTION: Extra / Add Extend Substantial Completion (158) days from August 30, 2020 to February 4, 2021 Extend Final Completion (337) days from September 30, 2020 to September 2, 2021	NA	N/A	N/A	N/A	N/A
	REASON: Due to unknown site conditions with the existing gas service supplied by Consumer Power the installation of the emergency generator could not be completed until after the contractual Substantial Completion date. Continuing work on punchlists and remaining items was also necessary beyond the contractual Final Completion date due to manpower shortage caused by Covid-19. Functionality of the pump station was never compromised throughout this project as existing equipment remained in service until new equipment could be installed and commissioned. Likewise, there was no additional cost to the George W. Kuhn Drain Drainage District due to this time extension. All electrical and mechanical inspection as well as all equipment training was completed on February 4, 2021. Final asphalt paving and site resotation was completed on September 2, 2021					
Totals					\$0.00	\$0.00
Net Increase					\$0.00	\$0.00

CHANGE ORDER NO. Final


JIM NASH Water Resources Commissioner, County Agency

For Construction of the Dequindre Pump Station Rehabilitation- George W. Kuhn Drain Drainage District

Prepared by:  Date: 11/29/21
Project Engineer – Craig Tiell
Oakland County Water Resource Commissioner


Recommended by:  John Arvai Date: 11/30/2021
Consulting Engineer – John Arvai, P.E.
Wade Trim

Digitally signed by John Arvai
DN: C=US, E=jarvai@wadeltrim.com,
O=Wade Trim, OU=Vice President,
CN=John Arvai
Date: 2021.11.30 14:17:16-05'00'

Approved by:  Date: Dec 3, 2021
Chief Engineer – Gary Nigro, P.E.
Oakland County Water Resource Commissioner

Approved by:  Date: 12/06/2021
Special Project - Manager Sid Lockhart, P.E.
Oakland County Water Resource Commissioner

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

Accepted by:  Kevin Clarey Date: 12/02/2021
Title

Digitally signed by Kevin Clarey
DN: C=US, E=kclarey@weiss-construction.com,
O=Weiss Construction Co., LLC, CN=Kevin
Clarey
Date: 2021.12.02 13:23:42-05'00'

of: Weiss Construction Co., LLC

Approved by:  Date: Dec. 8, 2021
Manager – Steven A. Korth, P.E.
Oakland County Water Resource Commissioner

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

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 *Sj Phelps*

DATE: December 14, 2021

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

Payable To	Ref No.	For	Amount
FK Engineering Associates	TBP	Invoice # 20-060-013 - Contracted Services -10/10/21 - 11/06/21	\$ 2,161.25
		Subtotal Project # 1-2847	\$ 2,161.25
Pipeline Management Co Inc	TBP	Invoice # 2021-155 - Contracted Services - 10/25/21 - 11/05/21	\$ 21,789.00
Pipeline Management Co Inc	TBP	Invoice # 2021-163 - Contracted Services - 11/08/21 - 11/19/21	12,680.71
		Subtotal Project # 1-3261	\$ 34,469.71
OHM	TBP	Invoice # 46220 - Contracted Services - 10/16/21	\$ 4,176.50
Environmental Consulting & Technology	TBP	Invoice # 215183 - Contracted Services - 10/29/21	1,108.50
Dickinson Wright, PLLC	TBP	Invoice # 1635130 - Legal Services - 10/31/2021	75.00
Dickinson Wright, PLLC	TBP	Invoice # 1635135- Legal Services - 10/31/2021	11,806.76
		Subtotal	\$ 17,166.76
		Total	\$ 53,797.72

**6. Evergreen-Farmington
Sanitary Drain**

AGENDA

DRAINAGE BOARD FOR THE EVERGREEN-FARMINGTON SANITARY DRAIN

December 14, 2021

1. Call meeting to order
2. Approve minutes of meeting of November 16, 2021
3. Public Comments
4. Present Memorandum from Evans Bantios, P.E. Project Engineer, dated December 14, 2021, to award Hubbell, Roth, & Clark, Inc. a contract for construction engineering assistance on the Southfield Evergreen Interceptor Rehabilitation project in the amount \$143,258
5. Present Memorandum from Evans Bantios, P.E. Project Engineer, dated December 14, 2021, to award the South Evergreen Interceptor Rehabilitation project to Pipeline Management Company and authorize the Chairperson to sign the agreement for the South Evergreen Interceptor Rehabilitation Project between the Drainage District and Pipeline Management Company in the amount of \$1,854,000
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

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

November 16, 2021

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 16th day of November, 2021.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

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

Minutes of the meeting held October 26, 2021 were presented for consideration. It was moved by Markham, supported by Nash, that the minutes be approved.

ADOPTED: Yeas - 2
Nays - 0

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

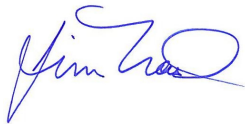
A memorandum from Kelsey Cooke, Attorney & Special Projects Manager, dated November 16, 2021, requesting the Board to authorize the expenditure of up to \$500,000 from the Drainage District's undesignated reserves for continued funding of the Middlebelt Transport and Storage Tunnel Project was presented. It was moved by Markham, supported by Nash, to the approve expenditure of up to \$500,000 from the Drainage District's undesignated reserves for continued funding of the Middlebelt Transport and Storage Tunnel Project as presented.

ADOPTED: Yeas - 2
Nays - 0

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

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.

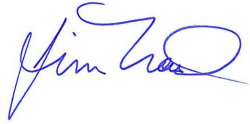


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Evergreen-Farmington Sanitary Drain, Oakland County, Michigan, held on the 16th day of November, 2021, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: November 16, 2021

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**

MEMORANDUM

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

FROM: Evans Bantios, P.E. Project Engineer

SUBJECT: Recommendation for Consultant Award to Hubbell, Roth, & Clark, Inc. for Construction Engineering Assistance on the South Evergreen Interceptor Rehabilitation Project

DATE: December 14, 2021

Hubbell, Roth & Clark, Inc. (HRC) will assist Oakland County Water Resources Commissioner (OCWRC) in the administration of the construction contract. These services will include submittal and shop drawing review; pay application review; document control via a website; coordinate, facilitate, attend, and summarized biweekly meetings; right-of-way layout; coordinate change orders; communicate with the local communities; material testing and as-needed confined space entry.

A detailed breakdown of HRC's scope of work is detailed in the attached Engineering Work Order. The estimated total for the scope of work is \$143,248. HRC designed and project and is currently providing engineering services for all the communities and other government entities that will be involved in this project. HRC will bill OCWRC on a time and material basis in accordance with the contract stand fee and schedule.

Requested Action: Award Hubbell, Roth, & Clark, Inc. a contract for construction engineering assistance on the Southfield Evergreen Interceptor Rehabilitation project in the amount of \$143,258.

OAKLAND COUNTY WATER RESOURCES COMMISSIONER
One Public Works Drive Phone: (248) 858-0958
Waterford, Michigan 48328-1907

No. SS-148

ENGINEERING WORK ORDER

FOR: Construction Engineering Assistance for South Evergreen Interceptor Rehabilitation

Project - Addition to Contract No. 5587

TO: Hubbell, Roth, & Clark, Inc.

DATE: 11/30/2021

DESCRIPTION

Hubbell, Roth & Clark, Inc. will assist Oakland County Water Resources Commissioner (OCWRC) in the administration of the construction contract; as-needed observation assistance when required to enter the sewer; materials testing and right of way layout. The scope of services of detail below:

Meetings/Site Visits

HRC will coordinate, facilitate, attend, and summarize the preconstruction meeting, pregrouting/rehab meeting and biweekly progress meetings. Based on a 4 to 5 month project schedule; this will include eight progress meetings; two tailgate meetings for preconstruction and pregrouting/rehab; one bypass pumping set-up meeting and testing meeting; and one preconstruction 54" pipe walk thru meeting.

Maintain Document Control Website

HRC will provide the BaseCamp program for document control during the construction phase of the project. All construction administration documentation during the project will be routed through and available on this website and will be accessible by all parties involved in the project.

Submittals and Shop Drawing Review

HRC will review all submittals and shop drawings to assure they comply with the Contract Documents and maintain a log of the submittals and status for the duration of the project. All review correspondences will be uploaded and shared via BaseCamp.

Review of Contractor Submitted Information and Pay Requests

HRC will review schedule of values, unit prices, progress schedules, certifications, etc. to assure coordination with the design and contract documents. To accomplish these items, HRC will coordinate with WRC on the progress of the project, material used on site, sequencing, and rehab methods. This will be required so that inspector may verify the contractor is meeting the contract specifications, track quantities and changes to the scope and/or schedule. By track the job in this manner, HRC will be prepared to discuss any potential change requests from the contractor. HRC requests copies of the inspector's daily reports to assist with this task. In the circumstance that there are additional costs developing in the project, HRC will coordinate with the contractor and WRC Project Engineer.

Contract Administration & Tracking Construction Progress

HRC construction engineering staff will advise and consult project objectives and interpret Contract Documents. HRC will assign a project engineer to assist the WRC Project Engineer in the coordination of construction activities with appropriate parties involved in the project and to provide other project administration responsibilities not included under the other tasks itemized in the EWO.

Right of Way Layout

HRC will layout the right of way lines along Evergreen Road, Cranbrook Road, 14 Mile Road, and the intersection of all local streets with the project area. HRC will layout the limits of the temporary easement on the Birmingham Country Club property. The estimated time does not include restaking of any coordinates.

Material Density Testing

Material density test and reports will be conducted for utility backfill, road and driveway restoration. This information will be forward to the contractor and WRC upon completion. HRC assumes density tests will be required for the following: backfill around each of the modified structures in the road; density on aggregate base for the road and driveway patches; and density on each lift of HMA per patch. The on-site WRC representative will coordinate the work with HRC staff.

Contract Change Management

HRC will coordinate with both WRC Project Engineer and contractor to prepare and issue necessary Work Directives; Field Orders; Change Orders; RFIs and Bulletins to document agreed upon changes. HRC will promptly respond to RFIs that come up during the project as necessary. Prepare required documents and sketches to resolve any differing field conditions encountered. HRC will assist WRC in the development of change orders for the project and review information as requested by the WRC Project Engineer.

Local Community Communication & Coordination

HRC will schedule time to meet with the local communities to coordinate construction schedule, traffic control, emergency vehicle routes and any noise or air pollution concerns. HRC will be made aware of any complaints that may arise on the project and assumes that the inspector will be the first contract person for those who are affected. HRC is prepared to take time to respond to resident or local community questions throughout the duration of the project.

As-Needed Confined Space Entry

HRC will provide an observer to enter the sewer to conduct the preconstruction walk through of the interceptor to verify and document the existing infiltration and defects. In addition, the HRC observer will enter the sewer to monitor grouting and spot repairs as directed by the WRC Project Engineer. The Observer will be responsible to document the location, description, quantity of material at each location, the beginning and end pressures at each port and size and material used for each concrete rehab location. The Observer will be familiar with the grouting program and concrete repair details. They will work closely with the contractor and WRC staff to ensure these procedures are followed. HRC requires an additional person to act as the Confined Space Supervisor. The Confined Space Supervisor's responsibility is to be in constant communication with HRC's personnel and check that their PPE equipment is functioning properly. This work will be on an as-needed basis and will be coordinated with the WRC Project Engineer.

Project Closeout Activates

HRC will prepare and issue documentation to memorialize or certify Substantial Completion or partial Substantial Completion of discrete parts of the Work, as it may apply. Prepare and issue documentation to memorialize or certify Final Completion.

Compensation for the above services is as follows:

Meetings/Site Visits	\$17,376
Maintain Document Control Website	\$7,720
Submittal and Shop Drawing Review	\$9,680
Review of Contractor Submitted Information and Pay Requests	\$11,232
Contract Administration & Tracking Construction Progress	\$38,100
Right of Way Layout	\$4,410
Material Density Testing	\$10,390
Contract Change Management	\$6,800
Local Community Communication & Coordination	\$9,360
As-Needed Confined Space Entry	\$18,820
Project Closeout	\$9,360
Total	\$143,248

Fees for this Engineering Work Order shall be billed on a time and material basis according to the contract standard fee and schedule. The total amount of the Engineering Work Order is \$143,248. This amount is not to be exceeded without written authorization. HRC will bill WRC for actual services rendered in accordance with Contract No. 5587.

RECOMMENDED		ACCEPTED	DATE:	
By:	Evangelos Bantios, P.E. Project Engineer OCWRC	By:	Daniel W. Mitchell, P.E. Hubbell, Roth & Clark, Inc. President	
APPROVED	DATE:	APPROVED	DATE:	
By:	Joel Brown, P.E. Chief Engineer OCWRC	By:	Sid Lockhart, P.E. Special Projects Manager OCWRC	

Approved by Drain Board on:

November 30, 2021

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

Attn: Evans Bantios, P.E.

Re: South Evergreen Interceptor Rehabilitation Project
Proposal for Construction Engineering Assistance

HRC Job No. 20200195

Dear Mr. Bantios:

As requested, Hubbell, Roth and Clark, Inc. (HRC) is pleased to present this budgetary estimate for professional construction engineering services for the subject project. We would propose that these services be provided under the terms and conditions of our current Professional Services Contract. The Scope of Services identified below defines the extent of services that were requested to be supplied for this project. -Our scope of work is based on discussions with your office, our background research and design of the subject project and our experience with similar sewer system rehabilitation projects. In summary, our services would include all necessary activities to assist in the administration of the construction contract and requested observation of the work as described herein.

SCOPE OF SERVICES

The main objectives for HRC's role in the Contract administration for the subject project are to provide the Water Resources Commissioner (WRC) with a successfully completed project that meets the contracting requirements, is adequately communicated to the affected stakeholders in the area, minimizes the impact to the public, and is within the approved budget.

It is HRC's understanding that Mr. Evans Bantios, P.E. will be the WRC Project Engineer and, as such, will be the primary point of contact for WRC and that the WRC will be providing a project representative (RPR) to be on-site full-time during the Work.

Meetings / Site Visits

HRC will coordinate, facilitate, attend, and summarize the pre-construction meeting, pre grouting/rehab meeting and bi-weekly progress meetings. It is anticipated that the project will take approximately 4 to 5 months to complete. As a result, eight (8) progress meetings, two (2) tailgate meetings for pre-construction and pre grouting/rehab, one (1) by-pass pump set-up and testing meeting and one (1) pre-construction 54" pipe walk thru meeting have been included in this estimate.

Maintain Document Control Website

HRC will provide the BaseCamp program for document control during the construction phase of the project. All construction administration documentation including but not limited to; Shop Drawings, informational submittals, RFQ's, RFI's, Change Directives, Field Orders etc. during the project will be routed through and available on this website and will be accessible by all parties involved in the project.

Submittals and Shop Drawing Review

HRC will review all submittals and shop drawings to assure they comply with Contract requirements and maintain a log of the submittals and status for the duration of the project. All review correspondences will be uploaded and shared via the document control website.

Delhi Township
2101 Aurelius Rd.
Suite 2A
Holt, MI 48842
517-694-7760

Detroit
535 Griswold St.
Buhl Building, Ste 1650
Detroit, MI 48226
313-965-3330

Grand Rapids
1925 Breton Road SE
Suite 100
Grand Rapids, MI 49506
616-454-4286

Howell
105 W. Grand River
Howell, MI 48843
517-552-9199

Jackson
401 S. Mechanic St.
Suite B
Jackson, MI 49201
517-292-1295

Kalamazoo
834 King Highway
Suite 107
Kalamazoo, MI 49001
269-665-2005

Lansing
215 S. Washington SQ
Suite D
Lansing, MI 48933
517-292-1488

Review of Contractor Submitted Information and Pay Requests

HRC will review schedule of values, unit prices, progress schedule, certifications, etc. to assure coordination with the design and contracting requirements. To accomplish these items, HRC will coordinate on a regular basis with the RPR on the progress of the project, material used on site, sequencing and rehab methods. This will be required so that HRC may verify the contractor is meeting the contract specifications, track quantities and changes to the scope and or schedule. By tracking the job in this manner, HRC will be prepared to discuss any potential change requests from the contractor. HRC requests copies of the RPR's daily reports to assist with this task. In the circumstance that there are additional costs developing in the project, HRC will coordinate with the contractor and WRC Project Engineer.

Contract Change Management

HRC will coordinate with both the WRC Project Engineer and contractor to issue necessary work directives, field orders or RFQs to document agreed upon changes in project scope. HRC will promptly respond to RFIs that come up during the project as necessary. HRC will assist the WRC in the development of change orders for the project and review information as requested by the WRC Project Engineer.

Contract Administration & Tracking Construction Progress

HRC construction engineering staff will advise and consult project objectives and interpret Contract documents. HRC will assign a project engineer to assist the WRC Project Engineer in the coordination of construction activities with appropriate parties involved in the project and to provide other project administration responsibilities not included under the other tasks itemized in this proposal.

Right of Way Layout

An HRC survey team will layout the right of way lines along Evergreen Road, Cranbrook Rd, 14 Mile Rd. and the intersection of all local streets within the project area. The HRC survey team will also layout the limits of the temporary easement on the Birmingham Country Club property. The hours estimated for this work does not include re-staking of any coordinates.

Material Density Testing

Material density tests and report will be conducted for utility backfill, road and driveway restoration. This information will be forwarded to the contractor and WRC Project Engineer upon completion. We assume density tests will be required for the following: Backfill around each of the modified structures in the roadway, density on aggregate base for the road and driveway patches, and density on each lift of HMA per patch. We also assume the RPR will be on the job to coordinate this work with HRC staff.

As-Needed Confined Space Field Services

HRC will assign a Confined Space Certified "Observer" to enter the 54-inch Interceptor with the Contractor on an as-needed basis, which will be coordinated with the WRC Project Engineer. The Observer will be present for the pre-construction walk thru of the Interceptor to verify and document all existing and new points of infiltration and concrete repairs. This is crucial for establishing the scope of Work at the beginning of the project and organize the locations of each point of joint infiltration and repair. The Observer will enter the Interceptor to monitor the rehabilitation work (including grouting and spot repairs) in the Interceptor when directed by the WRC Project Engineer. The Observer will be responsible to document the location, description, quantity of material at each location, the beginning and end pressures at each port and size and material used for each concrete rehab location. The Observer will be familiar with the grouting program and concrete repair details and will work closely with the contractor and WRC staff to ensure these procedures are followed in the Interceptor. The Observer will be in communication with the RPR and provide them their daily records as described, when directed to be on-site. HRC has included 100 hours of as-needed confined space entry in this proposal at the request of the WRC Project Engineer.

Confined Space Safety Management

HRC has included a Confined Space Supervisor to be on-site, during confined space entry of the 54" sewer by the HRC Observer. The Confined Space Supervisor's responsibility is to be in constant communication with HRC's personnel and check that their PPE equipment (i.e. gas detectors, and emergency air packs, etc.) is functioning properly. In addition to the Confined Space Supervisor, a second responsible worker is required, per the WRC and HRC confined space standards, to be monitoring the confined space entry from the surface. It is assumed that this person will be the RPR or contractor personnel, assuming they meet the WRC Confined Space Standards. HRC has not included a third staff member in this proposal for the requested confined space work. HRC plans to include their own equipment for ingress and egress. HRC's Confined Space Supervisor is not responsible for the contractor's safety and should not be relied upon by the contractor as they are required to have their own safety manager present per the WRC Confined Space Standards. HRC's Confined Space Supervisor will not be permitted to deal with other tasks above grade that may come up.

Local Community Communication & Coordination

HRC will schedule time to meet with the directly impacted local communities to coordinate construction schedule, traffic control, emergency vehicle routes and any noise or air pollution concerns. HRC will also prepare and send out notifications to local residents that are directly affected within the work zone and nearby residents affected by the traffic detour. HRC will be made aware of any complaints that may arise on the project and assumes that the RPR will be the first contact person for those who are affected. HRC is prepared to take time to respond to resident or local community questions throughout the duration of the project.

Project Closeout Activities

HRC will complete reviews, prepare and issue documentation to memorialize Substantial Completion (of discrete parts of the work as it may apply), organize field notes and daily reports from confined space work, Final Completion and Final Payment.

SERVICES NOT INCLUDED AT THIS TIME

- Services related to bypass pumping, including installation observation, daily operations / coordination with WRC Retention Treatment Facility staff.
- Full-Time Construction Observation
- Monitoring of Grouting Program
- Preparation of project punch list, not related to sewer rehabilitation.
- Preparation of record drawings
- Substitution review or review of significant value engineering changes
- Change Order Development
- Resident Communications

FEES FOR SERVICES

HRC proposes to complete our Construction Engineering Services, based on the services described herein on a time and materials basis for a not to exceed fee of \$143,250. This cost is based on anticipated construction work, as identified from existing CCTV inspection.

Construction Engineering Services includes tasks where the amount of work required is often dependent on the performance of the contractor and the extent of unknown conditions. Therefore, if the construction work becomes significantly greater, based on the pre-construction walk thru, HRC's estimate may need to be re-evaluated.

A breakdown of the items of work within each task of the Project along with our estimated hours and associated fees is provided on the attached Table 1. Invoicing for this work will be billed in accordance with HRC's current WRC contract and will be submitted on a monthly basis as the work progresses.

Daniel Mitchell, P.E., President is the Principal In-Charge of this project and Bradley Shepler, P.E., CCCA, LEED AP will be the Managing Engineer. He will be supported by Matthew Hughes, PE, Staff Engineer, HRC's experienced construction engineering staff and HRC's Materials Testing Laboratory.

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

Very truly yours,

HUBBELL, ROTH & CLARK, INC.



Bradley Shepler, P.E., CCCA, LEED AP
Associate

pc: OCWRC; Sid Lockhart, Joel Brown, Evans Bantios
HRC; D. Mitchell, M. Hughes, File

OAKLAND COUNTY WATER RESOURCES COMMISSIONER'S OFFICE
EFSD - SOUTH EVERGREEN INTERCEPTOR REHABILITATION PROJECT
PROPOSAL FOR CONSTRUCTION ENGINEERING SERVICES

TABLE 1
ESTIMATED HOURS AND FEES

Date 11/30/2021

HRC Job No. 20200195.09

Task Description	Rate Classification & Estimated Hours						Total Hours
	Associate/ Managing Engineer	Project Engineer	Staff Engineer (Civil)	Confined Space Supervisor	Confined Space Observer	Surveyor	Testing Technician
<i>Construction Engineering Services</i>							
1 Meetings and Site Visits (1)	48		96				144
2 Maintaining Document Control Website	2		70				72
3 Submittals and Shop Drawing Review	20	20	40				80
4 Review of Contractor Submitted Information and Pay Request (2)	24		72				96
5 Contract Change Management	10		50				60
6 Contract Administration, & Tracking Construction Progress	60	30	240				330
7 Right of Way Layout	5		10			40	55
8 Materials Density Testing	5		10				147
9 Confined Space Field Services (3)	5		10		100		115
10 Confined Space Safety Management (3)	5		10	100			115
11 Local Community Communication & Coordination	20		60				80
12 Project Closeout Activities	20		60				80
	224	50	728	100	100	40	132
PROJECT TOTALS							1,374

- (1) Assumes 12 total meetings
(2) Assumes 5 (monthly) estimates & 1 closeout
(3) Assumes 100 hours of as-directed work

ESTIMATED FEE SUMMARY

PERSONNEL	HOURS	RATE	TOTAL
Associate/Managing Engineer	224	\$ 150.00	\$ 33,600.00
Project Engineer	50	\$ 122.00	\$ 6,100.00
Staff Engineer (Civil)	728	\$ 106.00	\$ 77,170.00
Confined Space Supervisor	100	\$ 97.00	\$ 9,700.00
Confined Space Observer	100	\$ 55.00	\$ 5,500.00
Surveyor	40	\$ 65.00	\$ 2,600.00
Testing Technician	132	\$ 65.00	\$ 8,580.00
TOTAL ESTIMATED COST			\$ 143,250.00

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

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

FROM: Evans Bantios, P.E. Project Engineer

SUBJECT: Recommendation for Contract Award to Pipeline Management Company for the South Evergreen Interceptor Rehabilitation Project

DATE: December 14, 2021

On November 16, 2021, two bids were received for the EFSD South Evergreen Interceptor Rehabilitation Project. The bidding contractor and their respective bid total is show in the table below:

Contractor	Bid Total
Pipeline Management Company	\$1,854,000.00
Z Contractors, Inc.	\$3,837,513.00

Hubbell, Roth, & Clark, Inc. (HRC) reviewed the bids for completeness and conformance with the contract documents. We attached HRC's recommendation of award letter dated November 30, 2021, which provides review comments on the bid results for additional detail. HRC determined that Pipeline Management Company is the lowest responsible bidder in the amount of \$1,854,000. For comparison, the Engineer's opinion of probable construction cost was \$1,784,776.

Requested Action: Award the South Evergreen Interceptor Rehabilitation project to Pipeline Management Company and authorize the EFSDDD Chairperson to sign the agreement for the South Evergreen Interceptor Rehabilitation Project between EFSDDD and Pipeline Management Company in the amount of \$1,854,000.

November 30, 2021

Oakland County Water Resources Commissioner
One Public Works Drive, Building #95W
Waterford Twp., MI 48328

Attention: Mr. Evans Bantios, P.E.

Re: South Evergreen Interceptor Rehabilitation Project
Bid Results & Recommendation of Award

HRC Job No. 20200195

Dear Mr. Bantios:

Enclosed is the Bid Tabulation for the subject project. Two (2) bids were received, publicly opened and read at 1:00 PM on Tuesday, November 16, 2021. The bid amounts ranged from a low of \$1,854,000.00 to a high of \$3,837,513.00. As shown, we find Pipeline Management Company, located in Milford, Michigan as the lowest responsive bidder at a total construction cost bid of \$1,854,000.00. Your offices have the original hard copies of the Bid Proposal, Bid Bond and Progress Schedule received from Pipeline Management Company.

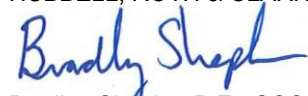
Pipeline Management Company has satisfied the bidder's prequalification and specification requirements and has submitted all of the necessary information for the bid proposal to be considered complete and responsive. Pipeline Management Company is currently, and has been for over 10 consecutive years, a Blanket Contractor with the WRC for Cleaning, TV, CIPP Spot Repairs & Grouting of 8-inch to 160-inch pipe. In addition, Pipeline Management Company has most recently completed the Southfield Rouge Sanitary Sewer Rehab Project for the OCWRC that included large diameter sewer rehabilitation work and a significant bypass pumping component, similar to the subject project. The low bid was below the final pre-bid Engineer's Estimate of construction costs on this Contract.

A Pre-Award meeting was held with Pipeline Management Company to discuss the preliminary schedule submitted, critical contracting requirements, coordination obligations and bypass pumping conditions. Pipeline Management Company indicated they are able to complete the project in accordance with the bid documents, schedule and for the amount bid. As a result, we recommend awarding the South Evergreen Interceptor Rehabilitation Project construction contract to Pipeline Management Company, LLC at a total amount of \$1,854,000.00, subject to receipt of the appropriate bonds, insurances and executed contract. Construction is anticipated to begin mid-December 2021 and be completed by mid-April 2022.

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

Very truly yours,

HUBBELL, ROTH & CLARK, INC.



Bradley Shepler, P.E., CCCA, LEED AP
Associate

Attachment

pc: WRC; J. Brown, G. Nigro, S. Lockhart
HRC; D. Mitchell, A. Conigliaro, File

Delhi Township
2101 Aurelius Rd.
Suite 2A
Holt, MI 48842
517-694-7760

Detroit
535 Griswold St.
Buhl Building, Ste 1650
Detroit, MI 48226
313-965-3330

Grand Rapids
1925 Breton Road SE
Suite 100
Grand Rapids, MI 49506
616-454-4286

Howell
105 W. Grand River
Howell, MI 48843
517-552-9199

Jackson
401 S. Mechanic St.
Suite B
Jackson, MI 49201
517-292-1295

Kalamazoo
834 King Highway
Suite 107
Kalamazoo, MI 49001
269-665-2005

Lansing
215 S. Washington SQ
Suite D
Lansing, MI 48933
517-292-1488

BID TABULATION
SOUTH EVERGREEN INTERCEPTOR REHABILITATION
OAKLAND COUNTY WATER RESOURCES COMMISSIONER
CITY OF BIRMINGHAM, VILLAGE OF BEVERLY HILLS & BLOOMFIELD TOWNSHIP

Bids Due: Tuesday, November 16, 2021 at 1:00PM
HRC Job # 20200195

Pipeline Management Company						Z Contractors			
2673 E. Maple Rd. Milford, MI (810) 923-9478						50500 Design Lane Shelby Township, MI (586) 625-8899			
Item	Quantity		Unit Price		Total Cost	Unit Price	Total Cost	ENGINEER'S ESTIMATE	
								Unit Price	Total Cost
1 Mobilization, 5% Max	1	Lsum	\$65,000.00	77%	\$65,000.00	\$168,000.00	198%	\$168,000.00	\$84,900.00
2 Color Audio-Video Recording off Construction Areas	1	Lsum	\$5,000.00	200%	\$5,000.00	\$25,000.00	1000%	\$25,000.00	\$2,500.00
3 Traffic Maintenance & Control	1	Lsum	\$83,000.00	332%	\$83,000.00	\$285,000.00	1140%	\$285,000.00	\$25,000.00
4 Soil Erosion and Sedimentation Control	1	Lsum	\$40,000.00	267%	\$40,000.00	\$30,000.00	200%	\$30,000.00	\$15,000.00
5 HMA, Surface, Rem	584	Syd	\$25.00	167%	\$14,600.00	\$40.00	267%	\$23,360.00	\$15.00
6 Interceptor, Manhole Reconstruct	5	Ea	\$7,500.00	188%	\$37,500.00	\$35,000.00	875%	\$175,000.00	\$4,000.00
7 Temporary Bypass Pumping Delivery System, Setup and Restore	1	Lsum	\$234,147.00	159%	\$234,147.00	\$880,000.00	597%	\$880,000.00	\$147,500.00
8 Bypass Pumping System, Pump Rental	70	days	\$4,000.00	240%	\$280,000.00	\$3,545.00	213%	\$248,150.00	\$1,666.00
9 Bypass Pumping System, Pump Operation	48	days	\$1,500.00	92%	\$72,000.00	\$5,000.00	308%	\$240,000.00	\$1,625.00
10 Birmingham Tunnel Diversion, Complete	1	Lsum	\$125,000.00	625%	\$125,000.00	\$640,000.00	3200%	\$640,000.00	\$20,000.00
11 Internal Video Inspection 54-inch Dia, Sewer	4148	Lft	\$10.00	83%	\$41,480.00	\$20.75	173%	\$86,071.00	\$12.00
12 Interceptor, Manhole Lining	475	Sft	\$80.00	320%	\$38,000.00	\$28.00	112%	\$13,300.00	\$25.00
13 Concrete Repair, Prep and Patch	33	Each	\$1,500.00	75%	\$49,500.00	\$1,075.00	54%	\$35,475.00	\$2,000.00
14 Grouting System Setup, Joint (Incl. 4 Ports)	56	Each	\$1,250.00	125%	\$70,000.00	\$3,775.00	378%	\$211,400.00	\$1,000.00
15 Chemical Grout	6048	Gal	\$25.00	42%	\$151,200.00	\$34.55	58%	\$208,958.40	\$60.00
16 Aggregate Base, 21AA, 8 inch, Special	584	Syd	\$25.00	125%	\$14,600.00	\$23.00	115%	\$13,432.00	\$20.00
17 HMA 5E3, Mod	203	Ton	\$200.00	148%	\$40,600.00	\$200.00	148%	\$40,600.00	\$135.00
18 Turf Restoration	1	Lsum	\$60,000.00	120%	\$60,000.00	\$40,000.00	80%	\$40,000.00	\$50,000.00
19 Permit Allowance Fee	1	Lsum	\$15,000.00	100%	\$15,000.00	\$15,000.00	100%	\$15,000.00	\$15,000.00
Total Base Bid Items					\$1,436,627.00		\$3,378,746.40		\$1,168,896.00
20 Exploratory Excavation For Utilities	10	Vft	\$600.00	1200%	\$6,000.00	\$55.00	110%	\$550.00	\$50.00
21 Fracture Repair	50	Lft	\$150.00	250%	\$7,500.00	\$135.00	225%	\$6,750.00	\$60.00
22 Reinforcement Repair	20	Ea	\$1,750.00	875%	\$35,000.00	\$1,625.00	813%	\$32,500.00	\$200.00
23 Additonal Grout Port	23	Each	\$1.00	0%	\$23.00	\$1,250.00	250%	\$28,750.00	\$500.00
24 Concrete Repair, Prep and Patch, Directed	14	Each	\$1,200.00	48%	\$16,800.00	\$1,160.00	46%	\$16,240.00	\$2,500.00
25 Chemical Grouting System Setup, Joint (Incl. 4 Ports), Directed	13	Each	\$1,750.00	140%	\$22,750.00	\$3,775.00	302%	\$49,075.00	\$1,250.00
26 Chemical Grout, Directed	3152	Gal	\$25.00	38%	\$78,800.00	\$34.55	53%	\$108,901.60	\$65.00
27 Cement Grout, Mobilization	1	Lsum	\$32,000.00	533%	\$32,000.00	\$32,000.00	533%	\$32,000.00	\$6,000.00
28 Cement Grout, De-Mobilization	1	Lsum	\$10,000.00	1000%	\$10,000.00	\$10,000.00	1000%	\$10,000.00	\$1,000.00
29 Cement Grout, Ports	50	Ea	\$500.00	100%	\$25,000.00	\$470.00	94%	\$23,500.00	\$500.00
30 Cement Grout	1600	Cft	\$60.00	40%	\$96,000.00	\$55.00	37%	\$88,000.00	\$150.00
31 Spin-Cast Geopolymer Lining, Sewer, 54 inch	25	Lft	\$1,500.00	200%	\$37,500.00	\$500.00	67%	\$12,500.00	\$750.00
32 Allowance for Odor Control		Allow			\$50,000.00			\$50,000.00	\$50,000.00
Total Engineer Directed Items					\$417,373.00		\$458,766.60		\$615,880.00
Total Amount of Bid					\$1,854,000.00		\$3,837,513.00		\$1,784,776.00

* indicates amount corrected by Engineer

7. Hamilton Relief Drains

AGENDA

DRAINAGE BOARD FOR THE HAMILTON RELIEF DRAINS

December 14, 2021

1. Call meeting to order
2. Approve minutes of meeting of November 16, 2021
3. Public Comments
4. Present memorandum from Craig Tiell, Civil Engineer II, dated December 2, 2021 to approve final reserve payment for the Bank Stabilization and Sanitary Sewer Replacement Project in the amount of \$6,156.01 be issued to Zito Construction
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

November 16, 2021

A meeting of the Drainage Board for the Hamilton Relief Drains was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 16th day of November, 2021.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

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

Minutes of the meeting held April 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.

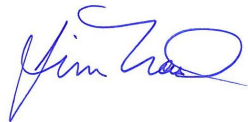
A request for approval to reimburse the Drain Revolving Fund in the amount of \$4,290 (as attached) was presented. It was moved by Markham, supported by Nash, to approve the payment of invoices and reimbursement of the Drain Revolving Fund in the amount of \$4,290.

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.

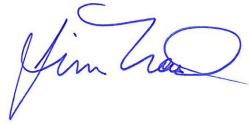


Jim Nash, Chairperson

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 Hamilton Relief Drains, Oakland County, Michigan, held on the 16th day of November, 2021, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: November 16, 2021

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

TO: Jim Nash, Chairman
Drainage Board for the Hamilton Relief Drain Drainage District

FROM: Craig Tiell, Civil Engineer II

SUBJECT: Final Payment for Hamilton Relief Drain Bank Stabilization and Sanitary Sewer Replacement Project
Project No. 1-2615

DATE: December 2, 2021

Construction of Hamilton Relief Drain Bank Stabilization and Sanitary Sewer Replacement Project been completed in accordance with the requirements of the contract documents. All complaints on this project as a result of the construction activities have been resolved. The contractor, Zito Construction has requested final payment. Attached are the following:

1. Memo from the WRC Inspection Unit dated 7/21/20 stating that all punch list items have been completed and that all work is in accordance with the construction documents.
2. Final Payment Form DC-113
3. Contractor's summary of account adjustments dated 11/29/21
4. Contractor's request for final payment dated 11/29/21
5. Contractor's Declaration dated 11/29/21
6. Contractor's Affidavit dated 11/29/21
7. Sworn Statement by Zito Construction dated 11/29/21
8. Consent of Surety to Final Payment with Power of Attorney dated 11/23/20
9. Full Unconditional Waivers of Lien from all subcontractor and suppliers listed on the contractors Sworn Statement.
10. Copy of the Maintenance and Guarantee Bond and Power of Attorney dated 1/24/18
11. Contractor's Evaluation Form DC-384 dated 11/29/21
12. Email correspondence from City of Rochester Hills dated 11/29/21 indicating that the project is acceptable for payment

13. DC-386D Construction Closeout Checklist dated 11/29/21

It is my recommendation that final payment in the amount indicated on Page 1 of 1 of the Final Payment Form DC-113 be issued to Zito Construction

A handwritten signature in black ink, appearing to be 'C. Tiell', written over a horizontal line.


Craig Tiell
Civil Engineer II

OAKLAND COUNTY
WATER RESOURCES COMMISSIONER

MEMORANDUM

TO: Craig Tiell, – WRC Engineering Unit
FROM: Jeff Code (Supervisor I CDM)
SUBJECT: Hamilton Relief Drain W.O.# 699650
DATE: July 21, 2020

The CDM inspection of the above referenced project has been completed. All aspects of the project have been constructed in accordance with the approved plans and specifications of the Water Resources Commissioners Office. All punch list items are completed and the project has passed all applicable testing and has been put into service.



Jeff Code

Supervisor I

Cc: File

Jim Nash, Oakland County Water Resources Commissioner
 County Agency for the County of Oakland
 Hamilton Relief Drain Bank Stabilization Project
 City of Rochester Hills, Oakland County, Michigan

Final Construction Payment ✓

December 1, 2020 to November 29, 2021 ✓

Department No.: 6010101
 Fund No.: 82523
 Project No.: 1-2615

Account No.: 730373
 Program No.: 149015
 Activity: FAC

Contractor:
 Zito Construction Company
 8033 Fenton Road
 Grand Blanc, MI 48439

Date of Contract: February 1, 2018
 Completion Date: June 30, 2018
 Extended to: N/A

Original Contract Amount: \$596,146.00

Previous Change Orders: \$25,479.35
 Numbers: Change Order #1, #2 and #3

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

Total Net Change Orders: (No further authorization on this Contract) \$25,479.35

Final Adjusted Contract Amount: \$621,625.35

Final Sub-Total: \$621,625.35

Final Amount Allowed: \$621,625.35

Less Previous Estimates: \$615,469.34 ✓

Final Payment Request To Be Paid To Contractor: \$0.00

Final Reserve Payment to Contractor \$6,156.01

Balance of Contract ✓ \$0.00 Accounting Auditor: HDG 12/02/2021

Amount To Be Reserved \$0.00

Less Previous Transfers To Reserve: \$6,156.01 ✓

Amount of Current Transfer: (\$6,156.01)

Prepared by:  Craig Tiell - Project Engineer

Date: 12/3/21

Recommended by:  Aseel A. Putros, P.E. - Consultant Engineer

Date: 12/2/2021

Approved by:  Gary Nigro, P.E. - Chief Engineer, Construction Management

Date: Dec 3, 2021

Approved by: Sid Lockhart, P.E. - Special Project Manager, Construction Management

Date:

Final Construction Payment

Approved By Board On:

8. Mainland Drain

AGENDA

DRAINAGE BOARD FOR THE MAINLAND DRAIN

December 14, 2021

1. Call meeting to order
2. Approve minutes of meeting of October 18, 2005
3. Public Comments
4. Present Memorandum from Geoff S. Wilson, P.E., Drain Maintenance Engineer, dated December 14, 2021, to authorize staff to proceed with the re-apportionment of the Drainage District as requested by Waterford Township
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

OCTOBER 18, 2005

A meeting of the Drainage Board for the Mainland Drain was held in the office of the Oakland County Drain Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan on the 18th day of October, 2005.

The meeting was called to order by the Acting Chairperson.

PRESENT: Kevin R. Larsen, Acting Chairperson and
Chief Deputy Oakland County Drain Commissioner

Bill Bullard, Jr., Chairperson of the
Oakland County Board of Commissioners

Chuck Moss, Chairperson of the Finance Committee
Oakland County Board of Commissioners

ABSENT: John P. McCulloch, Chairperson and
Oakland County Drain Commissioner

ALSO

PRESENT: Joseph P. Kozma,
Deputy and Manager,
Engineering & Construction

Philip Sanzica,
Chief Engineer

Michael McMahon,
Engineer

Gary Nigro,
Engineer

Karen Warren,
Engineer

Cheryl C. Mehlberg,
Administrative Assistant

Elaine Van Dyke,
Secretary

Lynn Sonkiss,
Chief of Fiscal Services

Shawn Phelps,
Fiscal Services Division

Jeremy Adams,
Fiscal Services Division

Minutes of the meeting held September 17, 2002 were presented for consideration. It was moved by Moss, supported by Bullard, that the minutes be approved as presented.

ADOPTED: Yeas - 3
Nays - 0

Mr. Larsen asked if there were any comments from those in attendance. There were none.

A Memorandum dated October 10, 2005 from Karen Warren regarding the Mainland Drain Phases II and III Study (as attached) was presented and explained by Mr. Kozma.

Following discussion, it was moved by Moss, supported by Bullard, to direct Oakland County Drain Commissioner staff to enter into contract negotiations with Orchard, Hiltz & McCliment, Inc. for the Mainland Drain Phases II and III Study and to authorize the Chairperson of the Mainland Drain Drainage Board to execute the contract with Orchard, Hiltz & McCliment, Inc.

ADOPTED: Yeas - 3
Nays - 0

It was moved by Larsen, supported by Moss to certify attendance and authorize pro-rata payment of \$25.00 per day to both Mr. Moss and Mr. Bullard.

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.

Kevin R. Larsen, Acting Chairperson

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**

MEMORANDUM

TO: Jim Nash, Chairman –Mainland Drain Drainage Board

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

SUBJECT: Re-Appportionment of the Mainland Drain

DATE: December 14, 2021

Waterford Township Board of Trustees has requested re-apportionment of the Mainland Drain. The Drain was established in 1979 and was apportioned per the original plans for the Mainland Drain. The Drain was proposed to be constructed in several phases but most of the planned infrastructure was never built. There are no plans to construct the originally proposed Mainland Drain, so a re-apportionment is appropriate to better reflect the benefits received. If authorized to proceed, staff will update the drainage district boundary, update the drainage district calculations, and advertise the new apportionment for a future hearing by the drainage board.

Recommendation – Authorize staff to proceed with the re-apportionment of the Mainland Drain as requested by Waterford Township.

CHARTER TOWNSHIP OF WATERFORD
RESOLUTION TO AUTHORIZE THE TOWNSHIP SUPERVISOR
AND/OR CLERK TO PETITION THE DRAINAGE BOARD FOR
THE MAINLAND DRAIN TO REAPPORTION THE ASSESSMENTS LEVIED
AGAINST THE PUBLIC ENTITIES WITHIN THE DRAINAGE DISTRICT

At a regular meeting of the Board of Trustees of the Charter Township of Waterford, Oakland County, Michigan held on the 25th day of October 2021.

PRESENT: Wall, Markee, Thomas, Bartolotta, Hauswirth, Matsura, and Monohon

ABSENT: None

The following resolution was offered by Clerk Markee and seconded by Trustee Matusra.

WHEREAS on or about July 24, 1972 the Drainage Board for the Mainland Drain received petitions from the Charter Township of Waterford and the County of Oakland to establish a drainage district pursuant to Chapter 20 of the Michigan Drain Code of 1956 of Act 40 of the Public Acts of Michigan 1956, as amended; and

WHEREAS on or about March 13, 1974 a Final Order of Determination was adopted; and

WHEREAS on June 10, 1981 a Final Order of Apportionment was adopted establishing an apportioned assessment for the Charter Township of Waterford to be 59.38265%, and the apportioned assessment for the County of Oakland to be 28.66958%, and the apportioned assessment for Oakland County Streets, Roads, and Highways to be 8.70112% and the apportioned assessment for State of Michigan Highways to be 3.24665%; and

WHEREAS the apportionment was based on the cost of the construction of the Mainland Drain in three phases; and

WHEREAS the cost of the first phase was \$130,000.00; and

WHEREAS the first phase did not appreciably benefit the Charter Township of Waterford; and

WHEREAS on or about November 7, 1992 the Drainage Board suspended further work on the construction project of the Mainland Drain and therefore the second and third phase, which were intended to benefit the Charter Township of Waterford, were not constructed.

NOW THEREFORE BE IT RESOLVED that the Charter Township of Waterford authorizes its Supervisor and/or Clerk to petition the Drainage District Board of the Mainland Drain to reapportion the assessments of the public corporations benefitting and/or contributing to the operation and maintenance of the Mainland Drain Drainage District to reflect a true and accurate picture of the benefits and burdens of the public entities within the Mainland Drain Drainage District.

YEAS: Wall, Markee, Thomas, Bartolotta, Hauswirth, Matsura, and Monohon

NAYS: None

ABSENT: None

STATE OF MICHIGAN)
) ss
COUNTY OF OAKLAND)

I, the undersigned, the Clerk of the Charter Township of Waterford, County of Oakland, Michigan, do hereby certify that the foregoing is a true and correct copy of a resolution adopted at a regular meeting of the Township Board of said Township held on the 25th day of October, 2021, the original of which resolution is on file in my office. I further certify that notice of said meeting was given in accordance with the provisions of the Open Meetings Act, MCL 15.261 et.seq.

IN WITNESS WHEREOF, I have hereunto affixed my official signature this 25th day of October, 2021.



Kimberly F. Markee
Clerk, Charter Township of Waterford

9. Kasper Drain

AGENDA

DRAINAGE BOARD FOR THE KASPER DRAIN

December 14, 2021

1. Call meeting to order
2. Approve minutes of meeting of September 25, 2018
3. Public Comments
4. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$30,100
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

September 25, 2018

A meeting of the Drainage Board for the Kasper Drain was held at the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 25th day of September, 2018.

The meeting was called to order by the Acting Chairperson.

PRESENT: Anne Vaara, Chief Deputy Oakland County Water Resources Commissioner
Acting Chairperson on behalf of Oakland County Water Resources Commissioner
Jim Nash

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

ABSENT: Michael Gingell, Chairperson of the Oakland County Board of Commissioners

Jim Nash, Oakland County Water Resources Commissioner

Minutes of the meeting held August 16, 2011 were presented for consideration. It was moved by Middleton, supported by Vaara, that the minutes be approved.

ADOPTED: Yeas - 2
Nays - 0

Acting Chairperson Vaara asked if there were any public comments. There were none.

A Maintenance Assessment Recommendation and Special Assessment Roll for the Kasper Drain in the amount of \$25,198 (as attached) were presented. It was moved by Middleton, supported by Vaara, that the Maintenance Assessment Recommendation and Special Assessment Roll be adopted in the amount of \$25,198.

ADOPTED: Yeas - 2
Nays - 0

A request for reimbursement of the Drain Revolving Fund in the amount of \$103.35 (as attached) was presented. It was moved by Middleton, supported by Vaara, that the Drain Revolving Fund be reimbursed in the amount of \$103.35.

ADOPTED: Yeas - 2
Nays - 0

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

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.



Anne Vaara, Acting 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 Kasper Drain, Oakland County, Michigan, held on the 25th day of September, 2018, 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 Kasper Drain Drainage District.



Anne Vaara, Acting Chairperson

Dated: October 17^m, 2018

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

Assessment for estimated maintenance expenses for fiscal years: 2022 through 2024

Date last assessment approved:	09/25/18	
Last Assessment:		\$25,198
Current Available Cash:		\$2,626

Expenditure History:	Fiscal Year	Amount
	2014	\$5,366
	2015	\$2,735
	2016	\$8,070
	2017	\$11,560
	2018	\$7,727
	2019	\$6,401
	2020	\$5,106
	2021 YTD	\$5,054

Estimated Expenditures:	Year	Amount
	2022	\$7,200
	2023	\$7,400
	2024	\$7,600
	Total	\$22,200

Recommended Assessment:

Current Cash Deficit	\$0
Total Anticipated Expenses 2022 - 2024	\$22,200
Proposed Special Maintenance Expenses	\$7,900
TOTAL RECOMMENDED ASSESSMENT	\$30,100

Prepared by: Michael R. McMahon Date: 12/14/2021
Michael R. McMahon, P.E. - Chief Engineer

Approved by: Steven Korth Date: 12/14/2021
Steven A. Korth, P.E. - Manager

Note: Current Available Cash as of October 31, 2021, Fiscal Services Division Report.

SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE OF THE KASPER DRAIN

Public Corporation	*Percentage of Apportionment	Total Amount of Assessment	Payment #1	Payment #2	Payment #3
City of Auburn Hills	80.6200%	\$ 24,266.62	\$ 12,173.62	\$ 5,965.88	\$ 6,127.12
County of Oakland	5.5800%	\$ 1,679.58	\$ 1,679.58	-	-
State of Michigan	13.8000%	\$ 4,153.80	\$ 4,153.80	-	-
<hr/>					
Total	100.000%	\$ 30,100.00	\$ 18,007.00	\$ 5,965.88	\$ 6,127.12

*Apportionment based on Final Order of Apportionment dated 10/24/1995.

Assessment Payment Due Date(s): Payment #1 12/31/2021
Payment #2 12/31/2022
Payment #3 12/31/2023

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Kasper Drain for the fiscal years 2022- 2024 in accordance with the direction of the Drainage Board and the statutory provisions applicable thereto.

Jim Nash
Chairman of the Drainage Board for the Kasper Drain

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

Jim Nash
Chairman of the Drainage Board for the Kasper Drain

10. Henry-Graham Drain

AGENDA

DRAINAGE BOARD FOR THE HENRY-GRAHAM DRAIN

December 14, 2021

1. Call meeting to order
2. Approve minutes of meeting of August 24, 2021
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 \$83,035.25
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE HENRY-GRAHAM DRAIN**

August 24, 2021

A meeting of the Drainage Board for the Henry-Graham Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 24th day of August, 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 June 23, 2020 were presented for consideration. It was moved by Markham, supported by Nash, that the minutes be approved.

ADOPTED: Yeas - 2
Nays - 0

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


A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$270,262 for the Henry-Graham 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 \$270,262 as presented.

ADOPTED: Yeas - 2
Nays - 0

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

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.

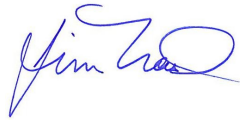


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Henry-Graham Drain, Oakland County, Michigan, held on the 24th day of August, 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 Henry-Graham Drain Drainage District.



Jim Nash, Chairperson

Dated: August 24, 2021

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting



DATE: 12/14/201

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 December 10, 2021.

Date	Ref No.	To	For	Amount
1/10/2020	V # 1413630	Hubbell Roth & Clark Inc	Invoice # 0175706 - Contracted Services - 12/14/19 - Proj #1-2458	9,983.37
1/19/2020	V # 1413285	Doetsch Environmental Services	Invoice # 70744 - Contracted Services - 05/17/19 Proj #1-2458	7,915.00
12/17/2019	V # 1408510	Hubbell Roth & Clark Inc	Invoice # 0174909 - Contracted Services - 11/16/19 - Proj #1-2458	2,992.88
10/28/2019	V # 1397727	Doetsch Environmental Services	Invoice # 70671 - Contracted Services - 04/19/19 - Proj #1-2458	1,150.00
10/31/2019	V # 1400409	Hubbell Roth & Clark Inc	Invoice # 0173955 - Contracted Services - 10/19/19 Proj #1-2458	1,641.30
9/13/2019	V # 1384291	Hubbell Roth & Clark Inc	Invoice # 0172709 - Contracted Services - 08/24/19 - Proj #1-2458	3,613.58
8/15/2019	V # 1377076	Hubbell Roth & Clark Inc	Invoice # 0171989 - Contracted Services - 07/27/19 - Proj #1-2458	1,944.75
7/22/2019	V # 1370377	Pipeline Management Co Inc	Invoice # 2019-082 - Contracted Services - 06/17/19 - 06/28/19 - Proj #1-2458	6,366.86
7/22/2019	V # 1370373	Hubbell Roth & Clark Inc	Invoice # 0171487 - Contracted Services - 06/30/19 - Proj #1-2458	8,494.28
6/30/2019	V # 1367239	Pipeline Management Co Inc	Invoice # 2019-069 - Contracted Services - 06/03/19 - 06/14/219 - Proj #1-2458	6,239.55
6/17/2019	V # 1361661	Hubbell Roth & Clark Inc	Invoice # 0170026 - Contracted Services - 05/04/19 - Proj #1-2458	14,726.23
2/28/2019	V # 1335982	Pipeline Management Co Inc	Invoice # 2019-023 - Contracted Services - 01/28/19 - 02/08/19 - Proj #1-2458	4,564.44
1/31/2019	V # 1328849	Pipeline Management Co Inc	Invoice # 2019-010 - Contracted Services - 01/03/19 - 01/11/19 - Proj #1-2458	13,403.01
			Total	\$ 83,035.25