

NOTICE OF MEETINGS

DRAINAGE BOARD FOR THE FOLLOWING DRAINS:

1. Drainage District Policy
2. Acacia Park CSO Drain
3. Birmingham CSO Drain
4. Bloomfield Village CSO Drain
5. Clinton River Water Resource Recovery Facility
6. George W. Kuhn Drain
7. Rummell Relief Drain
8. Bloomfield Hills CSO Drain
9. Crake Drain
10. Edwards Relief Drain
11. Robert A. Reid Drain
12. Wilcox Drain

NOTICE IS HEREBY GIVEN THAT MEETINGS OF THE DRAINAGE BOARD FOR THE ABOVE-MENTIONED DRAINS WILL COMMENCE AT **2:00 P.M.**, ON **TUESDAY, APRIL 28, 2020** VIA GOTOMEETING. THOSE THAT WISH TO PARTICIPATE MAY FOLLOW THE INSTRUCTIONS ATTACHED TO THIS NOTICE.

THIS BOARD MEETING IS BEING CONDUCTED ELECTRONICALLY UNDER THE GOVERNOR'S EXECUTIVE ORDER 2020-48 DUE TO THE COVID-19 PANDEMIC.

DURING THE ELECTRONIC 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 MEGAN KOSS AT KOSSM@OAKGOV.COM.

PERSONS WITH DISABILITIES THAT NEED ASSISTANCE
PARTICIPATING IN THE MEETING SHOULD CONTACT MEGAN KOSS AT
KOSSM@OAKGOV.COM.

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

Posted by: April 24, 2020

GoToMeeting: Chapter 20 Meeting -- April 28, 2020
Tue, Apr 28, 2020 2:00 PM - 3:30 PM (EDT)

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/498740005>

You can also dial in using your phone.

(For supported devices, tap a one-touch number below to join instantly.)

United States: +1 (571) 317-3122

- One-touch: <tel:+15713173122,,498740005#>

Access Code: 498-740-005

Join from a video-conferencing room or system.

Dial in or type: 67.217.95.2 or inroomlink.goto.com

Meeting ID: 498 740 005

Or dial directly: [498740005@67.217.95.2](https://67.217.95.2/join/498740005) or 67.217.95.2##498740005

1. Drainage District Policy

AGENDA

DRAINAGE BOARD FOR POLICY MATTERS

April 28, 2020

1. Call meeting to order
2. Approve minutes of meeting of January 28, 2020
3. Public Comments
4. Present Memorandum regarding the payment of invoices and reimbursement of the Drain Revolving Fund
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

**MINUTES OF THE MEETING OF THE
DRAINAGE BOARD FOR POLICY MATTERS**

January 28, 2020

A meeting of the Drainage Board for Policy Matters was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 28th day of January, 2020.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

ABSENT: None

Minutes of the meeting held November 26, 2019 were presented for consideration. It was moved by Zack, 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.

Woodward entered the meeting.

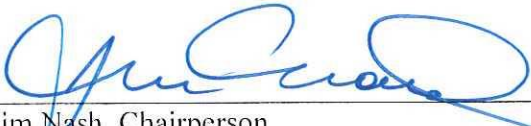
Jim Kelley (Meadowbrook Insurance Group) provided an update regarding property insurance options for the District; Chubb Insurance was recommended as the provider. It was moved by Zack, supported by Woodward, to bind coverage and approve payment of the premium in an amount of \$301.817.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.




Jim Nash, Chairperson
Page 1 of 2

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 Policy Matters, Oakland County, Michigan, held on the 28th day of January, 2020, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: February 5, 2020

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

TO: Jim Nash, Chairman
Drainage District for Policy Matters

FROM: Steven Korth, P.E., Manager

SUBJECT: Processing of invoices and reimbursement of the Drain Revolving Fund

DATE: April 28, 2020

At the February 27, 2018 Clinton River Water Resource Recovery Facility board meeting, the Board approved operations and maintenance invoices and charges of less than \$500 to be processed administratively by Oakland County's Fiscal Services Department without formal Board approval. In the two years since this process has been in effect, it has proved efficacious for both Fiscal Services and the Board in terms of time and employee resources. A similar change is proposed for invoices and reimbursements for all Chapter 20 Maintenance Fund Drains.

The current method of processing invoices requires Fiscal Services to spend significant amounts of time processing each invoice. Regularly incurred maintenance and operation invoices and requests for reimbursement of the Drain Revolving Fund are constantly received for very minimal amounts of money. The aforementioned requires a Drainage Board Meeting be convened to approve payment, often with no other substantive action necessary on behalf of the Board. To assist Fiscal Services and the various Chapter 20 Boards to operate more effectively and efficiently, it is suggested that regular maintenance invoices and Drain Revolving Fund reimbursements of up to \$1,000 be paid without Board approval. Drain expenditures would remain subject to audit and Manager approval, but the processing of invoices would be streamlined. At Fiscal's discretion, they may submit invoices and Drain Revolving Fund reimbursements to the Board that they deem not related to the ordinary course of Drainage District operations and maintenance.

Requested Action: Authorize Fiscal Services to pay regular maintenance invoices and reimbursements of the Drain Revolving Fund up to \$1,000 for all Chapter 20 Maintenance Fund Drains.

2. Acacia Park CSO

AGENDA

DRAINAGE BOARD FOR THE ACACIA PARK CSO DRAIN

April 28, 2020

1. Call meeting to order
2. Approve minutes of meeting of March 24, 2020
3. Public Comments
4. Present Memorandum for receive and file of the RTB Capacity Use Credit for the second quarter FY 2020
5. Present Special Assessment Roll for the Maintenance of the Acacia Park CSO Drain in the amount of \$936,860
6. Present request for Board approval of payment of invoices in the amount \$10,523.68
7. Present request for reimbursement of the Evergreen Farmington Fund in the amount of \$20,229.12
8. Other business
9. Approve pro rata payment to Drainage Board members
10. Adjourn

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

March 24, 2020

A meeting of the Drainage Board for the Acacia Park CSO Drain was held via teleconference due to the COVID-19 pandemic at 2:00 p.m. on the 24th day of March, 2020.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

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

Minutes of the meeting held February 25, 2020 were presented for consideration. It was moved by Zack, 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 Board approval of payment of invoices in the amount of \$18,071.79 (as attached) was presented. It was moved by Zack, supported by Nash, that the invoices in the amount of \$18,071.79 be paid as presented.

ADOPTED: Yeas - 2
Nays - 0

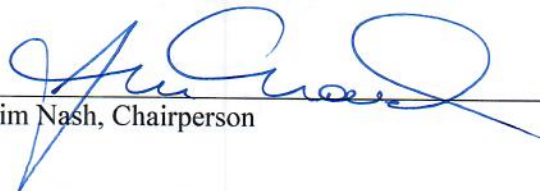
A request for reimbursement of the Evergreen Farmington Fund in the amount of \$27,007.92 (as attached) was presented. It was moved by Zack, supported by Nash, to reimburse the Evergreen Farmington Fund in the amount of \$27,007.92.

ADOPTED: Yeas - 2
Nays - 0

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

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 of the Acacia Park CSO Drain, Oakland County, Michigan, held on the 24th day of March, 2020, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: April 8, 2020

OAKLAND COUNTY
WATER RESOURCES COMMISSIONER

MEMORANDUM

TO: Jim Nash, Chairman
Acacia Park CSO Drainage Board
Birmingham CSO Drainage Board
Bloomfield Village CSO Drainage Board

FROM: Brian Coburn, Chief Engineer

SUBJECT: RTB Capacity Use Credit
Second Quarter, FY 2020
January, February, March 2020

DATE: April 28, 2020

Requested Action: Approve the RTB Capacity Use Credit to the CSO Districts of
Acacia Park, Birmingham and Bloomfield Village, as listed below:

RTB CAPACITY USE OPERATIONS & MAINTENANCE CREDIT TO CSO DISTRICTS						
REGULATORS CLOSED (Date)	ACACIA PARK CSO TOTAL MCF	ACACIA PARK CREDIT (\$13.45 Per MCF)	BIRMINGHAM CSO TOTAL MCF	BIRMINGHAM CREDIT (\$13.45 Per MCF)	BLOOMFIELD VLG CSO TOTAL MCF	BLOOMFIELD VLG CREDIT (\$13.45 Per MCF)
1/11/20 - 1/12/20	252.0	\$ 3,389.40	0.0	\$ -	376.5	\$ 5,063.93
1/11/20 - 1/13/20	0.0	\$ -	1051.5	\$ 14,142.68	0.0	\$ -
1/12/20 - 1/12/20	0.0	\$ -	0.0	\$ -	48.6	\$ 653.67
1/24/20 - 1/25/20	0.0	\$ -	117.6	\$ 1,581.72	0.0	\$ -
1/25/20 - 1/25/20	0.0	\$ -	210.0	\$ 2,824.50	0.0	\$ -
3/28/20 - 3/28/20	168.0	\$ 2,259.60	166.5	\$ 2,239.43	36.0	\$ 484.20
3/28/20 - 3/29/20	84.0	\$ 1,129.80	0.0	\$ -	341.1	\$ 4,587.80
3/29/20 - 3/29/20	0.0	\$ -	313.5	\$ 4,216.58	0.0	\$ -
	0.0	\$ -	0.0	\$ -	0.0	\$ -
	0.0	\$ -	0.0	\$ -	0.0	\$ -
	0.0	\$ -	0.0	\$ -	0.0	\$ -
Total Credit Q2, FY 2020:		\$ 6,778.80		\$ 25,004.90		\$ 10,789.59

Approved by: 

Date: 4/7/2020

c: Olivia Olsztyn-Budry: Oolsztyn-Budry@bloomfieldtwp.org
Austin Fletcher: afletcher@bhamgov.org
Karyn Stickel: Kstickel@hrc-eng.com

Interoffice:

J. Ragle
T. Prince
G. Nigro
K. Smith
T. Keyes-Bowie

Prepared by: A. Craft

OAKLAND COUNTY WATER RESOURCES COMMISSIONER

MAINTENANCE ASSESSMENT RECOMMENDATION FOR THE

Acacia Park CSO Drain

Assessment for the following year of expenses: July 1, 2020 through June 30, 2021

Last Assessment (\$):	\$	836,920.00
Date last assessment approved:		5/21/19
Unreserved and Undesignated Fund Balance as of 2/29/20	\$	122,562.55
Capital Improvement Reserves as of 2/29/20		458,107.10
Major Maintenance Reserves as of 2/29/20		216,119.24
CSO Equipment Reserves (MDEQ) as of 2/29/20		350,000.00
Reserves for Encumbrances as of 2/29/20		(753.81)
Funds Available for July 1, 2020 through June 30, 2021	\$	<u>1,146,035.08</u>

OPERATIONS, MAINTENANCE & REPLACEMENT BUDGET for July 1, 2020 through June 30, 2021

Operating Expenses

Sewage Treatment	\$	579,730.00
Sewer System Maintenance	\$	57,070.00
Sewer System Engineering	\$	24,880.00
Systems Control Unit	\$	14,740.00
Laboratory	\$	1,560.00
Mapping Unit	\$	6,050.00
General and Administrative	\$	45,590.00
Total Operating Expenses	\$	729,620.00

Revenue Requirements

Operating Expense	\$	729,620.00
Major Maintenance	\$	52,230.00
Capital	\$	175,000.00
Total Revenue Requirements	\$	956,850.00
Non-Rate Revenue	\$	(19,990.00)
Rate Required Revenue	\$	936,860.00

Recommended July 1, 2020 through June 30, 2021 assessment:

Total Anticipated Expenses for July 1, 2020 - June 30, 2021	\$	936,860.00
Total Anticipated Funds Needed	\$	<u>936,860.00</u>

TOTAL RECOMMENDED ASSESSMENT

\$ 936,860.00

Billings are to be at the end of the calendar quarters.

Prepared by: Leo Lease
Leo Lease - Senior Financial Analyst

Date: 4/20/2020

Approved by: Steve Korth
Steve Korth - Manager, Water Resources Commissioner

Date: April 28, 2020

SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE OF THE ACACIA PARK CSO DRAIN

Public Corporation	Percentage of Apportionment	Total Amount of Assessment
Village of Beverly Hills	68.16%	\$ 638,563.77
City of Birmingham	28.83%	\$ 270,096.74
County of Oakland	3.01%	\$ 28,199.49
Total	100.00%	\$ 936,860.00

Assessment Due Date: To be collected on the following quarters: 9/30/2020, 12/31/2020, 3/31/2021 and 6/30/2021.

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Acacia Park CSO Drain for the period July 1, 2020 through June 30, 2021 in accordance with the direction of the Drainage Board and the statutory provisions applicable thereto.

Jim Nash
Chairman of the Drainage Board for the Acacia Park CSO Drain

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

Jim Nash
Chairman of the Drainage Board for the Acacia Park CSO Drain

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

DATE: April 28, 2020

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 April 17, 2020.

G/L Date	Ref No.	Paid To	For	Amount
3/31/2020	Mar 2020 Pcard	Grainger	Pcard - Materials and Supplies	\$ 32.16
3/31/2020	Mar 2020 Pcard	The Home Depot	Pcard - Materials and Supplies	14.97
3/31/2020	Mar 2020 Pcard	Amazon Marketplace	Pcard - Materials and Supplies	137.59
3/31/2020	Mar 2020 Pcard	USA Blue Book	Pcard - Materials and Supplies	145.71
3/31/2020	Mar 2020 Pcard	Discount Battery	Pcard - Materials and Supplies	60.00
3/31/2020	Mar 2020 Pcard	Grainger	Pcard - Materials and Supplies	132.22
3/31/2020	Mar 2020 Pcard	Galco Industrial	Pcard - Materials and Supplies	110.00
3/27/2020	V # 1430438	Cintas	Invoice # 4044845168 - Mat Rentals	9.98
3/27/2020	V # 1430435	Unifirst	Invoice # 088 2184815 - Uniforms	6.29
3/27/2020	V # 1430437	Unifirst	Invoice # 088 2186740 - Uniforms	6.29
3/31/2020	V # 1433094	Unifirst	Invoice # 088 2188662 - Uniforms	6.29
3/31/2020	V # 1433096	Unifirst	Invoice # 088 2190570 - Uniforms	6.29
3/31/2020	V # 1431873	Shaw Service & Maintenance	Invoice # 910001971 - Contracted Services	1,218.00
3/31/2020	V # 1431404	Gallagher Fire Equipment Company	Invoice # MB43863 - Contracted Services	52.10
	TBP	United Resource	Invoice # 20-0013 - Contracted Services	2,152.71
	TBP	ICS Integration Services LLC	Invoice # 1670 - Contracted Services	6,433.08
Total				<u>\$ 10,523.68</u>

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

Shawn Phelps

DATE: April 28, 2020

SUBJECT: Request for Reimbursement of Evergreen Farmington Fund

The following is a detail of charges paid from the Evergreen Farmington Fund
for the period ending April 17, 2020.

<u>Date</u>	<u>Ref No.</u>	<u>For</u>	<u>Amount</u>
03/30/20	JE# 332959	March 2020 Storm Water Flow Charges	\$27,007.92
		RTB Capacity Use (O & M Credit)	(\$6,778.80)
			<u><u>\$20,229.12</u></u>

3. Birmingham CSO

AGENDA

DRAINAGE BOARD FOR THE BIRMINGHAM CSO DRAIN

April 28, 2020

1. Call meeting to order
2. Approve minutes of meeting of March 24, 2020
3. Public Comments
4. Present Memorandum for receive and file of the RTB Capacity Use Credit for the second quarter FY 2020
5. Present Special Assessment Roll for the Maintenance of the Birmingham CSO Drain in the amount of \$886,790
6. Present request for Board approval of payment of invoices in the amount \$9,391.29
7. Present request for reimbursement of the Evergreen Farmington Fund in the amount of \$4,597.10
8. Other business
9. Approve pro rata payment to Drainage Board members
10. Adjourn

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

March 24, 2020

A meeting of the Drainage Board for the Birmingham CSO Drain was held via teleconference due to the COVID-19 pandemic at 2:00 p.m. on the 24th day of March, 2020.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

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

Minutes of the meeting held February 25, 2020 were presented for consideration. It was moved by Zack, 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 Board approval of payment of invoices in the amount of \$23,733.34 (as attached) was presented. It was moved by Zack, supported by Nash, that the invoices in the amount of \$23,733.34 be paid as presented.

ADOPTED: Yeas - 2
Nays - 0

A request for reimbursement of the Evergreen Farmington Fund in the amount of \$29,602 (as attached) was presented. It was moved by Zack, supported by Nash, to reimburse the Evergreen Farmington Fund in the amount of \$29,602.

ADOPTED: Yeas - 2
Nays - 0

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

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 of the Birmingham CSO Drain, Oakland County, Michigan, held on the 24th day of March, 2020, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: April 8, 2020

OAKLAND COUNTY
WATER RESOURCES COMMISSIONER

MEMORANDUM

TO: Jim Nash, Chairman
Acacia Park CSO Drainage Board
Birmingham CSO Drainage Board
Bloomfield Village CSO Drainage Board

FROM: Brian Coburn, Chief Engineer

SUBJECT: RTB Capacity Use Credit
Second Quarter, FY 2020
January, February, March 2020

DATE: April 28, 2020

Requested Action: Approve the RTB Capacity Use Credit to the CSO Districts of
Acacia Park, Birmingham and Bloomfield Village, as listed below:

RTB CAPACITY USE OPERATIONS & MAINTENANCE CREDIT TO CSO DISTRICTS						
REGULATORS CLOSED (Date)	ACACIA PARK CSO TOTAL MCF	ACACIA PARK CREDIT (\$13.45 Per MCF)	BIRMINGHAM CSO TOTAL MCF	BIRMINGHAM CREDIT (\$13.45 Per MCF)	BLOOMFIELD VLG CSO TOTAL MCF	BLOOMFIELD VLG CREDIT (\$13.45 Per MCF)
1/11/20 - 1/12/20	252.0	\$ 3,389.40	0.0	\$ -	376.5	\$ 5,063.93
1/11/20 - 1/13/20	0.0	\$ -	1051.5	\$ 14,142.68	0.0	\$ -
1/12/20 - 1/12/20	0.0	\$ -	0.0	\$ -	48.6	\$ 653.67
1/24/20 - 1/25/20	0.0	\$ -	117.6	\$ 1,581.72	0.0	\$ -
1/25/20 - 1/25/20	0.0	\$ -	210.0	\$ 2,824.50	0.0	\$ -
3/28/20 - 3/28/20	168.0	\$ 2,259.60	166.5	\$ 2,239.43	36.0	\$ 484.20
3/28/20 - 3/29/20	84.0	\$ 1,129.80	0.0	\$ -	341.1	\$ 4,587.80
3/29/20 - 3/29/20	0.0	\$ -	313.5	\$ 4,216.58	0.0	\$ -
	0.0	\$ -	0.0	\$ -	0.0	\$ -
	0.0	\$ -	0.0	\$ -	0.0	\$ -
	0.0	\$ -	0.0	\$ -	0.0	\$ -
Total Credit Q2, FY 2020:		\$ 6,778.80		\$ 25,004.90		\$ 10,789.59

Approved by: 

Date: 4/7/2020

c: Olivia Olsztyn-Budry: Oolsztyn-Budry@bloomfieldtwp.org
Austin Fletcher: afletcher@bhamgov.org
Karyn Stickel: Kstickel@hrc-eng.com

Interoffice:

J. Ragle
T. Prince
G. Nigro
K. Smith
T. Keyes-Bowie

Prepared by: A. Craft

OAKLAND COUNTY WATER RESOURCES COMMISSIONER

MAINTENANCE ASSESSMENT RECOMMENDATION FOR THE

Birmingham CSO Drain

Assessment for the following year of expenses: July 1, 2020 through June 30, 2021

Last Assessment (\$):	\$	816,760.00
Date last assessment approved:		5/21/19
Unreserved and Undesignated Fund Balance as of 2/29/20	\$	303,248.12
Capital Improvement Reserves as of 2/29/20		307,298.34
Major Maintenance Reserves as of 2/29/20		329,750.79
CSO Equipment Reserves (MDEQ) as of 2/29/20		480,000.00
Reserves for Encumbrances as of 2/29/20		(646.69)
Funds Available for July 1, 2020 through June 30, 2021	\$	<u>1,419,650.56</u>

OPERATIONS, MAINTENANCE & REPLACEMENT BUDGET for July 1, 2020 through June 30, 2021

Operating Expenses

Sewage Treatment	\$	627,030.00
Sewer System Maintenance	\$	67,940.00
Sewer System Engineering	\$	15,710.00
System Control Unit	\$	15,280.00
Laboratory	\$	1,560.00
Mapping Unit	\$	110.00
General and Administrative	\$	34,530.00
Total Operating Expenses	\$	762,160.00

Revenue Requirements

Operating Expense	\$	762,160.00
Major Maintenance	\$	53,050.00
Capital	\$	95,000.00
Total Reserves	\$	910,210.00
Non-Rate Revenue	\$	(23,420.00)
Grand Total	\$	886,790.00

Recommended July 1, 2020 through June 30, 2021 assessment:

Total Anticipated Expenses for July 1, 2020 - June 30, 2021	\$	886,790.00
Total Anticipated Funds Needed	\$	<u>886,790.00</u>

TOTAL RECOMMENDED ASSESSMENT

\$ 886,790.00

Billings are to be at the end of the calendar quarters.

Prepared by: Leo Lease
Leo Lease - Senior Financial Analyst

Date: 4/4/2020

Approved by: Steve Korth
Steve Korth - Manager, Water Resources Commissioner

Date: April 28, 2020

SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE OF THE BIRMINGHAM CSO DRAIN

Public Corporation	Percentage of Apportionment	Total Amount of Assessment
City of Birmingham	96.86%	\$ 858,944.79
County of Oakland	0.29%	\$ 2,571.69
State of Michigan	2.85%	\$ 25,273.52
Total	100.00%	\$ 886,790.00

Assessment Due Date: To be collected on the following quarters: 9/30/2020, 12/31/2020, 3/31/2021 and 6/30/2021.

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Birmingham CSO Drain for the period July 1, 2020 through June 30, 2021 in accordance with the direction of the Drainage Board and the statutory provisions applicable thereto.

Jim Nash
Chairman of the Drainage Board for the Birmingham CSO Drain

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

Jim Nash
Chairman of the Drainage Board for the Birmingham CSO Drain

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: April 28, 2020

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 April 17, 2020

G/L Date	Ref No.	Paid To	For	Amount
3/31/2020	Mar 2020 Pcard	Discount Battery	Pcard - Materials and Supplies	\$ 214.40
3/31/2020	Mar 2020 Pcard	Lighting Supply	Pcard - Materials and Supplies	97.68
3/31/2020	Mar 2020 Pcard	O'Reilly Auto Parts	Pcard - Materials and Supplies	10.56
3/31/2020	Mar 2020 Pcard	Amazon Marketplace	Pcard - Materials and Supplies	137.59
3/31/2020	Mar 2020 Pcard	USA Blue Book	Pcard - Materials and Supplies	145.71
3/27/2020	V # 1430440	Cintas	Invoice # 4044845230 - Mat Rentals	10.92
3/27/2020	V # 1430435	Unifirst	Invoice # 088 2184815 - Uniforms	9.04
3/27/2020	V # 1430437	Unifirst	Invoice # 088 2186740 - Uniforms	9.04
3/31/2020	V # 1433094	Unifirst	Invoice # 088 2188662 - Uniforms	9.04
3/31/2020	V # 1433096	Unifirst	Invoice # 088 2190570 - Uniforms	9.04
3/31/2020	V # 1431648	North Star Water Management LLC	Invoice # OC131 - Contracted Services	612.90
3/31/2020	V # 1431408	Gallagher Fire Equipment Company	Invoice # MB43864 - Contracted Services	50.32
	TBP	ICS Integration Services LLC	Invoice # 1671 - Contracted Services	8,075.05
			Total	\$ 9,391.29

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: April 28, 2020

SUBJECT: Request for Reimbursement of Evergreen Farmington Fund

The following is a detail of charges paid from the Evergreen Farmington Fund
for the period ending April 17, 2020.

<u>Date</u>	<u>Ref No.</u>	<u>For</u>	<u>Amount</u>
03/30/20	JE# 332959	March 2020 Storm Water Flow Charges	\$29,602.00
		RTB Capacity Use (O & M Credit)	(\$25,004.90)
			<u>\$4,597.10</u>

4. Bloomfield Village CSO

AGENDA

DRAINAGE BOARD FOR THE BLOOMFIELD VILLAGE CSO DRAIN

April 28, 2020

1. Call meeting to order
2. Approve minutes of meeting of March 24, 2020
3. Public Comments
4. Present Memorandum for receive and file of the RTB Capacity Use Credit for the second quarter FY 2020
5. Present Special Assessment Roll for the Maintenance of the Bloomfield Village CSO Drain in the amount of \$1,278,660
6. Present Request for Reimbursement of the Drain Revolving Fund in the amount of \$6,400.93
7. Present request for reimbursement of the Evergreen Farmington Fund in the amount of \$25,182.83
8. Other business
9. Approve pro rata payment to Drainage Board members
10. Adjourn

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

March 24, 2020

A meeting of the Drainage Board for the Bloomfield Village CSO Drain was held via teleconference due to the COVID-19 pandemic at 2:00 p.m. on the 24th day of March, 2020.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

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

Minutes of the meeting held February 25, 2020 were presented for consideration. It was moved by Zack, 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 Board approval of payment of invoices in the amount of \$17,955.18 (as attached) was presented. It was moved by Zack, supported by Nash, that the invoices in the amount of \$17,955.18 be paid as presented.

ADOPTED: Yeas - 2
Nays - 0

A request for reimbursement of the Evergreen Farmington Fund in the amount of \$35,972.42 (as attached) was presented. It was moved by Zack, supported by Nash, to reimburse the Evergreen Farmington Fund in the amount of \$35,972.42.

ADOPTED: Yeas - 2
Nays - 0

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

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.

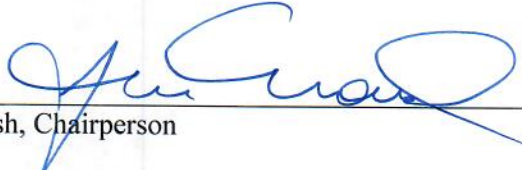


Jim Nash, Chairperson

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 of the Bloomfield Village CSO Drain, Oakland County, Michigan, held on the 24th day of March, 2020, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: April 8, 2020

OAKLAND COUNTY
WATER RESOURCES COMMISSIONER

MEMORANDUM

TO: Jim Nash, Chairman
Acacia Park CSO Drainage Board
Birmingham CSO Drainage Board
Bloomfield Village CSO Drainage Board

FROM: Brian Coburn, Chief Engineer

SUBJECT: RTB Capacity Use Credit
Second Quarter, FY 2020
January, February, March 2020

DATE: April 28, 2020

Requested Action: Approve the RTB Capacity Use Credit to the CSO Districts of
Acacia Park, Birmingham and Bloomfield Village, as listed below:

RTB CAPACITY USE OPERATIONS & MAINTENANCE CREDIT TO CSO DISTRICTS						
REGULATORS CLOSED (Date)	ACACIA PARK CSO TOTAL MCF	ACACIA PARK CREDIT (\$13.45 Per MCF)	BIRMINGHAM CSO TOTAL MCF	BIRMINGHAM CREDIT (\$13.45 Per MCF)	BLOOMFIELD VLG CSO TOTAL MCF	BLOOMFIELD VLG CREDIT (\$13.45 Per MCF)
1/11/20 - 1/12/20	252.0	\$ 3,389.40	0.0	\$ -	376.5	\$ 5,063.93
1/11/20 - 1/13/20	0.0	\$ -	1051.5	\$ 14,142.68	0.0	\$ -
1/12/20 - 1/12/20	0.0	\$ -	0.0	\$ -	48.6	\$ 653.67
1/24/20 - 1/25/20	0.0	\$ -	117.6	\$ 1,581.72	0.0	\$ -
1/25/20 - 1/25/20	0.0	\$ -	210.0	\$ 2,824.50	0.0	\$ -
3/28/20 - 3/28/20	168.0	\$ 2,259.60	166.5	\$ 2,239.43	36.0	\$ 484.20
3/28/20 - 3/29/20	84.0	\$ 1,129.80	0.0	\$ -	341.1	\$ 4,587.80
3/29/20 - 3/29/20	0.0	\$ -	313.5	\$ 4,216.58	0.0	\$ -
	0.0	\$ -	0.0	\$ -	0.0	\$ -
	0.0	\$ -	0.0	\$ -	0.0	\$ -
	0.0	\$ -	0.0	\$ -	0.0	\$ -
Total Credit Q2, FY 2020:		\$ 6,778.80		\$ 25,004.90		\$ 10,789.59

Approved by: 

Date: 4/7/2020

c: Olivia Olsztyn-Budry: Oolsztyn-Budry@bloomfieldtwp.org
Austin Fletcher: afletcher@bhamgov.org
Karyn Stickel: Kstickel@hrc-eng.com

Interoffice:
J. Ragle
T. Prince
G. Nigro
K. Smith
T. Keyes-Bowie

Prepared by: A. Craft

OAKLAND COUNTY WATER RESOURCES COMMISSIONER

MAINTENANCE ASSESSMENT RECOMMENDATION FOR THE

Bloomfield Village CSO Drain

Assessment for the following year of expenses: July 1, 2020 through June 30, 2021

Last Assessment (\$):	\$	1,177,990.00
Date last assessment approved:		5/21/19
Unreserved and Undesignated Fund Balance as of 2/29/20	\$	(11,645.00)
Capital Improvement Reserves as of 2/29/20		745,491.59
Major Maintenance Reserves as of 2/29/20		154,108.30
CSO Equipment Reserves (MDEQ) as of 2/29/20		480,000.00
Reserves for Encumbrances as of 2/29/20		(706.92)
Funds Available for July 1, 2020 through June 30, 2021	\$	<u>1,367,247.97</u>

OPERATIONS, MAINTENANCE & REPLACEMENT BUDGET for July 1, 2020 through June 30, 2021

Operating Expenses

Sewage Treatment	\$	778,080.00
Sewer System Maintenance	\$	86,630.00
Sewer System Engineering	\$	37,380.00
Systems Control Unit	\$	22,530.00
Laboratory	\$	2,180.00
Mapping Unit	\$	5,490.00
General and Administrative	\$	41,150.00
Total Operating Expenses	\$	973,440.00

Revenue Requirements

Operating Expense	\$	973,440.00
Major Maintenance	\$	59,970.00
Capital	\$	270,950.00
Total Revenue Requirements	\$	1,304,360.00
Non-Rate Revenue	\$	(25,700.00)
Rate Required Revenue	\$	1,278,660.00

Recommended July 1, 2020 through June 30, 2021 assessment:

Total Anticipated Expenses for July 1, 2020 - June 30, 2021	\$	1,278,660.00
Total Anticipated Funds Needed	\$	<u>1,278,660.00</u>

TOTAL RECOMMENDED ASSESSMENT

\$ 1,278,660.00

Billings are to be at the end of the calendar quarters.

Prepared by: Leo Lease
Leo Lease - Senior Financial Analyst

Date: 4/20/2020

Approved by: Steve Korth
Steve Korth - Manager, Water Resources Commissioner

Date: April 28, 2020

SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE OF THE BLOOMFIELD VILLAGE CSO DRAIN

Public Corporation	Percentage of Apportionment	Total Amount of Assessment
City of Birmingham	22.095%	\$ 282,519.93
Charter Township of Bloomfield	54.830%	\$ 701,089.28
City of Bloomfield Hills	6.784%	\$ 86,744.29
County of Oakland	16.291%	\$ 208,306.50
Total	100.000%	\$ 1,278,660.00

Assessment Due Date: To be collected on the following quarters: 9/30/2020, 12/31/2020, 3/31/2021 and 6/30/2021.

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Bloomfield Village CSO Drain for the period July 1, 2020 through June 30, 2021 in accordance with the direction of the Drainage Board and the statutory provisions applicable thereto.

Jim Nash
Chairman of the Drainage Board for the Bloomfield Village CSO Drain

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

Jim Nash
Chairman of the Drainage Board for the Bloomfield Village CSO Drain

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: April 28, 2020

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 April 17, 2020

G/L Date	Ref No.	Paid To	For	Amount
3/31/2020	Mar 2020 Pcard	Grainger	Pcard - Materials and Supplies	\$ 92.08
3/31/2020	Mar 2020 Pcard	Amazon Marketplace	Pcard - Materials and Supplies	141.77
3/31/2020	Mar 2020 Pcard	USA Blue Book	Pcard - Materials and Supplies	145.72
3/31/2020	Mar 2020 Pcard	Grainger	Pcard - Materials and Supplies	64.32
3/27/2020	V # 1430441	Cintas	Invoice # 4044845255 - Mat Rentals	10.30
3/27/2020	V # 1430435	Unifirst	Invoice # 088 2184815 - Uniforms	6.29
3/27/2020	V # 1430437	Unifirst	Invoice # 088 2186740 - Uniforms	6.29
3/31/2020	V # 1433094	Unifirst	Invoice # 088 2188662 - Uniforms	6.29
3/31/2020	V # 1433096	Unifirst	Invoice # 088 2190570 - Uniforms	6.29
3/31/2020	V # 1431874	Shaw Service & Maintenance	Invoice # 910001972 - Contracted Services	370.00
3/31/2020	V # 1431410	Gallagher Fire Equipment Company	Invoice # MB43865 - Contracted Services	9.79
2/28/2020	V # 1419888	Oakland Heights	Invoice # 4243-000015015 - Contracted Services	74.20
	TBP	ICS Integration Services LLC	Invoice # 1672 - Contracted Services	5,467.59
			Total	<u>\$ 6,400.93</u>

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 

DATE: April 28, 2020

SUBJECT: Request for Reimbursement of Evergreen Farmington Fund

The following is a detail of charges paid from the Evergreen Farmington Fund
for the period ending April 17, 2020.

<u>Date</u>	<u>Ref No.</u>	<u>For</u>	<u>Amount</u>
03/30/20	JE# 332959	March 2020 Storm Water Flow Charges	\$35,972.42
		RTB Capacity Use (O & M Credit)	(\$10,789.59)
			<u>\$25,182.83</u>

5. Clinton River Water Resource Recovery Facility

AGENDA
DRAINAGE BOARD FOR
THE CLINTON RIVER WATER RESOURCE RECOVERY FACILITY

April 28, 2020

1. Call meeting to order
2. Approve minutes of meeting of March 24, 2020
3. Public Comments
4. Present Engineering Work Order for CDM Smith in the amount of \$37,000
5. Present Change Order No. 37 for Tooles Contracting Group LLC for a net increase in the amount of \$2,657.05
6. Present Change Order No. 38 for Tooles Contracting Group LLC for a net decrease in the amount of \$7,581.50
7. Present Construction Estimate No. 31 for Tooles Contracting Group LLC in the amount of \$119,387.94
8. Present Construction Estimate No. 11 for Frank Rewold and Son, Inc. in the amount of \$93,748.03 and a transfer of \$3,393.30 to the Oakland County Treasurer
9. Present request for Board approval of payment of invoices from the Construction Fund in the amount \$27,726.34
10. Present request for Board approval of payment of invoices from the Maintenance Fund in the amount of \$172,190.57
11. Other business
12. Approve pro rata payment to Drainage Board members
13. Adjourn

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

March 24, 2020

A meeting of the Drainage Board for the Clinton River Water Resource Recovery Facility was held via teleconference due to the COVID-19 pandemic at 2:00 p.m. on the 24th day of March, 2020.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

ABSENT: None

Minutes of the meeting held February 25, 2020 were presented for consideration. It was moved by Zack, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

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

Change Order No. 36 for Tooles Contracting Group LLC for a net increase in the amount of \$13,365.88 (as attached) was presented. It was moved by Zack, supported by Woodward, to approve Change Order No. 36 for a net increase in the amount of \$13,365.88.

ADOPTED: Yeas - 3
Nays - 0

Construction Estimate No. 30 for Tooles Contracting Group LLC in the amount of \$70,259.49 (as attached) was presented. It was moved by Zack, supported by Woodward, to approve Construction Estimate No. 30 in the amount of \$70,259.49 as presented.

ADOPTED: Yeas - 3
Nays - 0

Construction Estimate No. 10 for Frank Rewold and Son, Inc. in the amount of \$267,703.87 and a transfer of \$3,940.15 to the Oakland County Treasurer (as attached) was presented. It was moved by Zack, supported by Woodward, to approve Construction Estimate No. 10 in the amount of \$267,703.87 and a transfer of \$3,940.15 as presented.

ADOPTED: Yeas - 3
Nays - 0

A Memorandum from Jared Buzo, P.E., Operations Engineer, dated March 24, 2020, recommending the Board authorize the transfer of \$1,500,000 from the City of Pontiac

Wastewater Treatment Facility to the Drainage District was presented. It was moved by Zack, supported by Woodward, to approve the transfer as presented.

ADOPTED: Yeas - 3
Nays - 0

A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$9,202,050 for the Clinton River Water Resource Recovery Facility (as attached) were presented. It was moved by Zack, supported by Woodward, to adopt the Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$9,202,050 as presented.

ADOPTED: Yeas - 3
Nays - 0

A request for Board approval of payment of invoices from the Construction Fund in the amount of \$66,765.36 (as attached) was presented. It was moved by Zack, supported by Woodward, that the invoices in the amount of \$66,765.36 be paid as presented.

ADOPTED: Yeas - 3
Nays - 0

A request for Board approval of payment of invoices from the Maintenance Fund in the amount of \$325,767.08 (as attached) was presented. It was moved by Zack, supported by Woodward, that the invoices in the amount of \$325,767.08 be paid as presented.

ADOPTED: Yeas - 3
Nays - 0

George Nichols noted that the Water Resources Commissioner's office received the 2020 American Council of Engineering Companies of Michigan Merit Engineering Award for the replacement of a leaking 66" diameter steel sewer pipe that was suspended over the Clinton River. The project was recognized for the innovative sewer bypass system that was developed to facilitate the project..

Gary Nigro noted that, in response to the COVID-19 pandemic and recent directives from Oakland County and the Governor, letters would be sent to all contractors regarding their status as essential service providers. Steve Korth furthered that the new County health order regarding daily employee screening will be included in the aforementioned letters.

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.

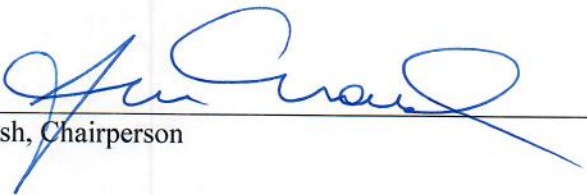


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board of the Clinton River Water Resource Recovery Facility, Oakland County, Michigan, held on the 24th day of March, 2020, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: April 8, 2020

OAKLAND COUNTY WATER RESOURCES COMMISSIONER

One Public Works Drive Bldg. 95 West
Waterford, Michigan 48328-1907
Phone: (248) 858-0958


No. D-**ENGINEERING WORK ORDER**FOR: Biosolids Handling and Septage Receiving FacilityTO: CDM Smith Michigan, Inc DATE: April 16, 2020**DESCRIPTION****Section A – Item Nos. 3 (Construction Phase Services)**

This engineering work order is an authorization for the following additional engineering services to CDM Smith Michigan, Inc for the Biosolids Handling and Septage Receiving Facility Project.

Provide additional construction Administration services and startups technical support as described in the attached CDM Smith letter dated April 14, 2020 due to the addition of three months to the construction/startup period. The total authorization for this engineering work order is \$37,000. Invoicing and payment to ENGINEER shall be based on the existing conditions and requirements of the contract. Any additional compensation beyond this amount must be approved by a future written engineering work order.

This work order increases the total not-to-exceed value of the contract to \$3,995,812.

RECOMMENDED Date: 04/16/2020**ACCEPTED** Date: April 16, 2020

By: 
Razik Alsaigh, P.E.
Project Engineer

By: 
CDM Smith Michigan, Inc

APPROVED Date: _____**APPROVED** Date: _____

By: _____
Gary Nigro, P.E.
Chief Engineer

By: _____
Sid Lockhart, P.E.
Special Projects Manager

DRAIN CHANGE ORDER NO. 37

Jim Nash, Oakland County Water Resources Commissioner

For Construction of the Biosolids Handling and Septage Receiving FacilityLocated in City of Pontiac, Oakland County, MichiganCONTRACTOR: Tooles Contracting Group LLCAddress: 535 Griswold Suite 2550Detroit, MI 48226

Authorization for Extras To & Changes In Contract

Change Order No: 37 Date Issued: 3/31/2020

Auth No.	Location-Description-Reason	Unit Used	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
	<u>LOCATION:</u> Clinton River Water Resource Recovery Facility - 1 Biosolids and Digester Buildings 2 Septage Receiving Building 3 All Plant Facility					
	<u>DESCRIPTION:</u> 1 Change/Deduct Provide all materials, labor, and equipment required to modify the motor control centers (MCCs) to accommodate the horsepower (HPs) changes based on the submitted equipment, as described in the attached Work Directive #11, dated February 20, 2018.	LS	-1	\$834.75	-	\$834.75
	2 Change/Add Provide all materials, labor, and equipment to install the two PH sensors outside of the Septage Receiving Building in lieu of installing them inside the building as described in the attached Field Change Request #31, dated October 21, 2019.	LS	1	\$3,491.80	\$3,491.80	---
	3 Change Suspend work on the project for the month of April 2020, except for critical equipment issues. Critical work can only get performed after coordination with Owner, Engineer and Contractor. With this suspension, Owner will not charge liquidated damages for the month of April 2020, and Contractor will not have personnel working on site except for critical equipment issues already discussed & scheduled with Owner.	NA	NA	\$0.00	\$0.00	---

CONTRACTOR: Tooles Contracting Group LLCAddress: 535 Griswold Suite 2550Detroit, MI 48226

Authorization for Extras To & Changes In Contract

Change Order No: 37 Date Issued: 3/31/2020

Auth No.	Location-Description-Reason	Unit Used	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
	<p><u>REASON:</u></p> <p>1 After completion of multiple equipment submittal reviews, it was determined that certain HPs needed to be reduced than originally designed.</p> <p>2 Due to the final mechanical layout drawings and the limited space inside the building, these sensors needed to be located on the septage inlet pipes outside of the building.</p> <p>3 Protect the health and safety of WRC plant personnel and Contractor personnel due to the Covid-19 virus.</p> <p>Note: CDM Smith and WRC have reviewed the methods and costs of this work based upon similar work of this type. The prices in this change order are fair and reasonable. See attached backup materials from Tooles Contracting Group.</p>					
Totals					\$3,491.80	\$834.75
Net Increase					\$2,657.05	---

CHANGE ORDER NO. 37

JIM NASH Water Resources Commissioner

For Construction of the Biosolids Handling and Septage Receiving Facility

Prepared by: [Signature] Date: 3/31/2020
Project Engineer – Razik Alsaigh - PE
Oakland County Water Resources Commissioner's Office

Recommended by: [Signature] Date: 03/31/2020
Consulting Engineer – Edward St John - PE
CDM Smith - Consulting Engineer

Approved by: [Signature] Date: 4/13/20
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: 03/31/2020

of: Tooles Contracting Group LLC

Approved by: [Signature] Date: 4/17/2020
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. 37 was approved by the Drainage Board on: _____

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER
3 of 3

Rev. 12/10/12

DRAIN CHANGE ORDER NO. 38

Jim Nash, Oakland County Water Resources Commissioner

For Construction of the Biosolids Handling and Septage Receiving FacilityLocated in City of Pontiac, Oakland County, MichiganCONTRACTOR: Tooles Contracting Group LLCAddress: 535 Griswold Suite 2550Detroit, MI 48226

Authorization for Extras To & Changes In Contract

Change Order No: 38 Date Issued: 4/17/2020

Auth No.	Location-Description-Reason	Unit Used	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
	LOCATION: Clinton River Water Resource Recovery Facility - 1 Filter Building 2 Septage Receiving & Biosolids Handling Buildings 3 Filter Building 4 Chlorine Building 5 Digester Building DESCRIPTION: 1 Change/Add Provide all materials, labor, and equipment to repair the discharge piping for the two southern city water pumps. This repair includes replacing the discharge piping and installing 3-inch check valves and shutoff valves to connect these two city water pumps to the new header as described in the attached Field Change Request #35, dated March 30, 2020.	LS	1	\$5,747.00	\$5,747.00	---
2	Change/Deduct Provide credit for not providing some lighting fixtures and for modifying the locations of others in the Septage Receiving Building and the stairways in the Biosolids Handling Building as described in the attached Work Directive #14, dated February 22, 2018.	LS	-1	\$1,963.68	---	\$1,963.68
3	Change/Deduct Remove from Contract all materials, labor, and equipment required to demolish the existing filter press equipment, as described in the attached Work Directive #58, dated January 14, 2020.	LS	-1	\$47,250.00	---	\$47,250.00
4	Change/Add Provide all materials, labor, and equipment required to modify the 10-inch plant water high pressure discharge line location from the East Chlorine Contact Tank to the West Chlorine Contact Tank. Also, provide temporary dewatering, excavation, and cleaning to investigate and repair to the extend possible the existing 54-inch pipe leaks close to the newly installed pipe, as described in the attached Amended Work Directive #42, dated May 20, 2019.	LS	1	\$10,220.39	\$10,220.39	---

CONTRACTOR: Tooles Contracting Group LLCAddress: 535 Griswold Suite 2550Detroit, MI 48226

Authorization for Extras To & Changes In Contract

Change Order No: 38 Date Issued: 4/17/2020

Auth No.	Location-Description-Reason	Unit Used	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
5	Change/Add Provide all materials, labor, and equipment required to provide and install steel frames for mounting the three Digester Mixing Pumps in lieu of the concrete pads shown on the drawings, as described in the attached Work Directive #33, dated November 29, 2018.	LS	1	\$25,664.79	\$25,664.79	---
1	REASON: While disconnecting the discharge pipe of the two southern existing backup city water pumps to complete the Work Directive 47 work, it was observed that these old pipes and valves were leaking. Accordingly, the Contractor was authorized to provide new materials to repair the unexpected leaks to complete the work and put the backup city water system back into service.					
2	The lighting fixtures submitted for Septage Receiving Building were larger than the specified fixtures which allowed some fixtures to be removed while still providing adequate lighting. The EM lighting fixtures were relocated in the Biosolids Handling Building to provide better lighting in the stairways. Redundant exit signs were deemed unnecessary and were removed. All changes made were to provide proper lighting.					
3	WRC decided to keep the existing filter press equipment as a backup emergency system to dewater sludge.					
4	During installation of the new 10-inch plant water high pressure discharge line, the Contractor encountered saturated grounds and possible leaks from an existing 54-inch plant waterline and it's connection to the Chlorine Contact Tank. Plans were revised to avoid passing under the existing 54-inch line and joint repair were used to stabilize the site and allow for the new 10-inch pipe installation.					

CONTRACTOR: Tooles Contracting Group LLCAddress: 535 Griswold Suite 2550Detroit, MI 48226

Authorization for Extras To & Changes In Contract

Change Order No: 38 Date Issued: 4/17/2020

Auth No.	Location-Description-Reason	Unit Used	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
5	<p>During submittal review it was determined that providing steel frames in lieu of concrete pads for the Digester Mixing Pumps would significantly reduce the weight being added to the Digester Building upper floor slab. The decision was made to move forward with this approach to minimize the risk of adding weight to this existing structure.</p> <p>Note: CDM Smith and WRC have reviewed the methods and costs of this work based upon similar work of this type. The prices in this change order are fair and reasonable. See attached backup materials from Tooles Contracting Group.</p>					
Totals					\$41,632.18	\$49,213.68
Net Decrease					---	\$7,581.50

CHANGE ORDER NO. 38

JIM NASH Water Resources Commissioner

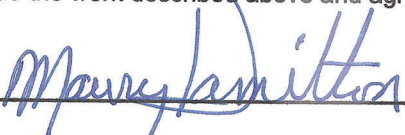
For Construction of the Biosolids Handling and Septage Receiving Facility

Prepared by:  Date: 04/17/2020
Project Engineer – Razik Alsaigh - PE
Oakland County Water Resources Commissioner's Office

Recommended by:  Date: April 17, 2020
Consulting Engineer – Edward St John - PE
CDM Smith - Consulting Engineer

Approved by: _____ Date: _____
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:  Date: 04/17/2020
of: Tooles Contracting Group LLC

Approved by: _____ Date: _____
Special Project Manager – Sidney Lockhart, P.E.
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. 38 was approved by the Drainage Board on: _____

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER
4 of 4

Rev. 12/10/12

Jim Nash, Oakland County Water Resources Commissioner
BloSolids Handling & Septage Receiving Facility Project
City of Pontiac, Oakland County, MI

Regular Construction Estimate No. 31

Estimate Period: March 1, 2020 to March 31, 2020

Contractor

Tooles Contracting Group LLC
535 Griswold, Suite 2550
Detroit, MI 48226

Department No.: 6010101
Fund No.: 84686
Project No.: 100000002181
Account No.: 731472
Program No.: 149015
Activity: FAC
Purchasing Contract No.: 5179

Substantial Completion Date: June 27, 2019
Extended to: NA

Notice to Proceed: June 27, 2017
Final Completion Date: January 6, 2020
Extended to: NA

Original Contract Amount: \$32,370,771.00

Previous Change Orders: \$1,163,850.64
Numbers: #1 through 35

Change Orders This Estimate: \$13,365.88
Number: # 36

Total Net Change Orders: \$1,177,216.52

Adjusted Contract Amount: \$33,547,987.52

Sub-Total To Date: (Sheet 2 of 2 Column 7) \$32,857,666.56

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

Gross Estimate: (Work in Place) 97.94% \$32,857,666.56

Less Amount Reserved: (Lump Sum) \$1,644,919.77

Less Liquidated Damages For Milestone #1
266 days (March 29, 2019 to Dec 20, 2019) \$478,800.00

Less Liquidated Damages For Final Completion
88 days (January 3, 2020 to March 31, 2020) \$176,000.00

Less Amount to be Reserved \$990,119.77

Total Amount Allowed To Date: \$31,212,746.79

Less Previous Estimates: \$31,093,358.85

Net Payment Request To Be Paid To Contractor: \$119,387.94

Reserve Payment to Contractor \$0.00

Balance of Contract To Date \$ 690,320.96 Accounting Auditor: AWR 4/17/2020

Amount To Be Reserved (From Above) \$1,644,919.77

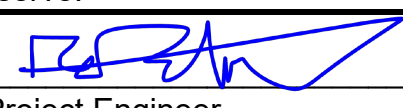
Less Previous Transfers To Reserve: \$1,644,919.77

Amount of Current Transfer: \$0.00

Less Prior Liquidated Damages Payment To Construction Account: \$592,800.00

Less Current Liquidated Damages Payment To Construction Account: \$62,000.00

Amount of Current Reserve: \$990,119.77

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

Date: 04/17/2020

Recommended by: 
CDM Smith

Date: April 17, 2020

Approved by: _____
Gary Nigro - Chief Engineer

Date: _____

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

Date: _____

Regular Construction Estimate No. 31

Approved By Board On: _____

Use as Original

Jim Nash, Oakland County Water Resources Commissioner
Clinton River Water Resources Recovery Facility Administration Building Renovation and Addition
City of Pontiac, Oakland County, Michigan

Regular Construction Estimate No. 11

March 1, 2020 to March 31, 2020

Department No.: 6010101
Fund No.: 82686
Project No.: 1-2787

Account No.: 731472
Program No.: 149667
Activity: FAC

Contractor:
Frank Rewold and Son, Inc.
303 East Third Street - Suite 300
Rochester, MI 48307

Contract No.: 5704
Date of Contract: December 18, 2018
Completion Date: April 16, 2020
Extended to: N/A

Original Contract Amount: \$2,564,206.00

Previous Change Orders: \$0.00
Numbers: (none)

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

Total Net Change Orders: \$0.00

Adjusted Contract Amount: \$2,564,206.00

Sub-Total To Date: (Sheet 3 of 3 Column 7) \$2,240,540.24

Less Deductions: (Sheet 3 of 3 Column 7) \$0.00

Gross Estimate: (Work in Place) 87.38% \$2,240,540.24

Less Amount Reserved: (Lump Sum) \$140,988.93

Total Amount Allowed To Date: \$2,099,551.31

Less Previous Estimates: \$2,005,803.28

Net Payment Request To Be Paid To Contractor: \$93,748.03

Reserve Payment to Contractor \$0.00

Balance of Contract To Date \$ 323,665.76 Accounting Auditor: *jlb*

Amount To Be Reserved (From Above) \$140,988.93

Less Previous Transfers To Reserve: \$137,595.63

Amount of Current Transfer: \$3,393.30

Prepared by: *[Signature]*
Razik Alsaigh - Project Engineer

Date: 04/09/2020

Recommended by: *[Signature]*
Fishbeck, Thompson, Carr & Huber - Consulting Engineer

Date: 04/09/2020

Approved by: *[Signature]*
Gary Nigro - Chief Engineer, Construction Management

Date: 4/13/20

Approved by: *[Signature]*
Sid Lockhart - Special Projects Manager

Date: 4/17/2020

Regular Construction Estimate No. 11

Approved By Board on: _____

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



DATE: April 28, 2020

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

Payable To	Ref No.	For	Amount
CDM Smith Michigan, Inc	V # 1433275	Invoice # 36 - Engineering Admin - 03/01/20 - 03/28/20 - Proj 1-2181	22,353.03
CTI and Associates Inc	V # 1434629	Invoice # 46300 - Testing Materials - 12/27/19 - Proj# 1-2181	5,373.31
		Total for Project # 1-2181	\$ 27,726.34

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting

DATE: April 28, 2020

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 March 18, 2020 to April 17, 2020.

Payable To	Ref No.	For	Amount
USA Blue Book	Mar 2020 Pcard	Pcard - Lab Supplies	\$ 1,454.83
USA Blue Book	Mar 2020 Pcard	Pcard - Lab Supplies	981.42
Grainger	Mar 2020 Pcard	Pcard - Materials and Supplies	523.80
Grainger	Mar 2020 Pcard	Pcard - Materials and Supplies	741.00
Grainger	Mar 2020 Pcard	Pcard - Materials and Supplies	2,666.92
Galco Industrial Electronics	Mar 2020 Pcard	Pcard - Materials and Supplies	807.45
Fastenal Company	Mar 2020 Pcard	Pcard - Materials and Supplies	1,428.90
North Electric Supply	Mar 2020 Pcard	Pcard - Materials and Supplies	521.55
Mike Lalone Inc	V # 1430648	Invoice # 22669 - Contracted Services	991.50
Mike Lalone Inc	V # 1430651	Invoice # 22668 - Contracted Services	745.00
PVS Technologies Inc	V # 1432881	Invoice # 268029 - Chemical Treatment	4,312.32
PVS Technologies Inc	V # 1431827	Invoice # 267581 - Chemical Treatment	2,358.72
PVS Technologies Inc	V # 1432880	Invoice # 267797 - Chemical Treatment	4,265.28
Hach Company	V # 1432650	Invoice # 11883643 - Contracted Services	762.00
JCI Jones Chemicals Inc	V # 1431593	Invoice # 816099 - Chemical Treatment	2,455.08
JCI Jones Chemicals Inc	V # 1432662	Invoice # 816603 - Chemical Treatment	3,267.50
JCI Jones Chemicals Inc	V # 1431590	Invoice # 815780 - Chemical Treatment	2,420.64
JCI Jones Chemicals Inc	V # 1433288	Invoice # 816468 - Chemical Treatment	2,429.66
JCI Jones Chemicals Inc	TBP	Invoice # 817967 - Chemical Treatment	2,437.04
American Electric Motor Corp	TBP	Invoice # 56291 - Contracted Services	1,273.91
American Electric Motor Corp	TBP	Invoice # 56210 - Contracted Services	653.26
Biotech Agronomics Inc	TBP	Invoice # 2449 - Landfilling - March 2020	63,045.83
Polydyne Inc	TBP	Invoice # 1446283 - Chemical Treatment	22,540.00
Hesco	TBP	Invoice # 20201210 - Material and Supplies	599.28
Eurofins TestAmerica	TBP	Invoice # 1900004932 - Lab Fees	924.50
D3W Industries	TBP	Invoice # 2071 - Material and Supplies	5,775.00
D3W Industries	TBP	Invoice # 2047 - Material and Supplies	5,775.00
D3W Industries	V # 1432866	Invoice # 2033 - Material and Supplies	5,775.00
Waste Management	V # 1434127	Invoice # 8407313-1714-4 - Garbage & Rubbish Disposal	1,340.12
Waste Management	V # 1434129	Invoice # 8407312-1714-6 - Garbage & Rubbish Disposal	1,774.85
Subtotal			\$ 145,047.36
Hazen & Sawyer	TBP	Invoice # 0000004 - Contracted Services - 02/01/20 - 02/29/20 - Proj #1-3064	\$ 8,618.11
Primodel US Inc	TBP	Invoice # 2020-0028 - Contracted Services - Proj # 1-3064	2,519.10
Subtotal - Project 13064			\$ 11,137.21
Fishbeck Thompson Carr and Huber	V # 1432494	Invoice # 390524 - Engineering Admin - Proj # 1-2787	\$ 4,989.00
Rightway Remediation LLC	V #1433283	Invoice #20-0085 - Pollution Control Services - Proj # 1-2787	750.00
Tetra Tech Inc	V # 1432960	Invoice # 51568867 - Computer Research Service - 02/28/20 - Proj # 1-2787	3,150.50
Tetra Tech Inc	V # 1434490	Invoice # 51574781 - Computer Research Service - 03/27/20 - Proj # 1-2787	6,385.25
Subtotal - Project 1-2787			\$ 15,274.75
OHM	TBP	Invoice # 212380 - Contracted Services - Proj # 1-3008	\$ 731.25
Subtotal - Project 1-3008			\$ 731.25
Total			\$ 172,190.57

6. George W. Kuhn Drain

AGENDA

DRAINAGE BOARD FOR THE GEORGE W. KUHN DRAIN

April 28, 2020

1. Call meeting to order
2. Approve minutes of meeting of March 24, 2020
3. Public Comments
4. Present Memorandum requesting the Board approve the rates and charges for FY 2020-2021
5. Present Change Order No. 1 for Weiss Construction for a net increase in the amount of \$89,077
6. Present Construction Estimate No. 8 for Weiss Construction in the amount of \$242,971.50
7. Other business
8. Approve pro rata payment to Drainage Board members
9. Adjourn

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

March 24, 2020

A meeting of the Drainage Board for the George W. Kuhn Drain was held via teleconference due to the COVID-19 pandemic at 2:00 p.m. on the 24th day of March, 2020.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

ABSENT: None

Minutes of the meeting held February 25, 2020 were presented for consideration. It was moved by Zack, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

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

A Memorandum from Gary Nigro, Chief Engineer, dated March 24, 2020, recommending the Board authorize the Chairperson to execute all necessary documents, including easements, for the construction phase of improvements associated with the MDOT I-75 Modernization project was presented. It was moved by Zack, supported by Woodward, to authorize the Chairperson to execute all necessary documents, including easements, for the construction phase of improvements associated with the MDOT I-75 Modernization project as presented.

ADOPTED: Yeas - 3
Nays - 0

Construction Estimate No. 7 for Weiss Construction in the amount of \$595,907.45 (as attached) was presented. It was moved by Zack, supported by Woodward, to approve Construction Estimate No. 7 in the amount of \$595,907.45 as presented.

ADOPTED: Yeas - 3
Nays - 0


A request for Board approval of payment of invoices in the amount of \$48,093.18 (as attached) was presented. It was moved by Zack, supported by Woodward, that the invoices in the amount of \$48,093.18 be paid as presented.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.




Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board of the George W. Kuhn Drain, Oakland County, Michigan, held on the 24th day of March, 2020, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: April 8, 2020

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

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

FROM: Steven Korth, P.E., Manager

SUBJECT: FY 2020-2021 Rate Recommendation

DATE: April 28, 2020

I am pleased to provide this recommendation to the Board of the George W. Kuhn Drain Drainage District (GWK) detailing the proposed monthly charges to our customer communities based on approved Great Lakes Water Authority (GLWA) monthly charges for its fiscal 2020-21 rate year.

The attached monthly charges were presented to the GWK customer communities on March 27, 2020. No objections to the proposed charges were received. In addition, the customer communities consented to proceed with the recommended rates utilizing the approved GLWA charges. The communities also agreed to the charges associated with the operations and maintenance of the facilities and systems within the drainage district.

Community representatives also were advised that we would continue to follow the rate share calculation based on a five-year average of water volume to determine each community's monthly sewage charge. These percentages are reviewed annually during the rate-setting process. The stormwater charge continues to be based on the apportionment percentages previously adopted by the Board. The revised monthly charges for services will be billed starting July 2020.

Because of increases in operating expenses, there is an overall 1.1% increase from the previous year for combined sewage and stormwater charges. Please refer to the attached Schedule of Rates and Charges for a list of charges for each community. Detailed worksheets, including a Financial Summary, Monthly Charge Schedule, and Share and Monthly Charge Comparison, also are attached.

Recommendation: It is recommended that the Board approve the rates and charges for FY 2020-21 as presented.

Attachments

Steven Korth 4/1/2020

Steven Korth, P.E., Manager

Approved: Jim Nash, Chairperson
George W. Kuhn Drain Drainage District

Great Lakes Water Authority
 Approved FY 2021 Sewage Disposal System Allocated Revenue Requirements and Service Charges
 Approved by the GLWA Board on March 11, 2020

		Fixed Monthly <u>Charge</u> \$/mo	Annual Revenue <u>Requirement</u> \$
	<u>Suburban Wholesale</u>		
1	OMID	6,400,000	76,799,400
2	Rouge Valley	4,575,900	54,910,700
3	Oakland GWK	3,821,000	45,851,800
4	Evergreen Farmington	2,944,100	35,329,000
5	SE Macomb San Dist	2,097,000	25,164,500
6	Dearborn	1,646,200	19,754,700
7	Grosse Pointe Farms	232,300	2,787,700
8	Grosse Pointe Park	153,000	1,835,600
9	Melvindale	129,600	1,554,600
10	Farmington	97,200	1,166,900
11	Center Line	87,300	1,047,900
12	Allen Park	72,200	866,300
13	Highland Park	478,900	5,747,300
14	Hamtramck	337,000	4,044,200
15	Grosse Pointe	75,400	904,300
16	Harper Woods	18,500	222,100
17	Redford Township	22,300	267,500
18	Wayne County #3	4,300	51,500
19	Subtotal "Regional Wholesale Revenues from Charges"		278,306,000
20	Industrial Specific Revenues		14,038,200
21	Subtotal "Regional Wholesale Revenues from Charges"		292,344,200
22	less: Highland Park Bad Debt		(1,294,200)
23	Total "Regional Wholesale Revenues" (a)		291,050,000
	<i>* Wholesale charges will be effective July 1, 2020</i>		
	Detroit Customer Class - \$		
24	Wholesale Revenue Requirement (c)		195,628,100
25	less: Ownership Benefit per Lease		(5,516,000)
26	Net Wholesale Revenue Requirement		190,112,100
27	Indirect Retail Revenue Requirements (d)		36,245,300
28	less: Use of Lease Payment for Debt Service		(3,257,200)
29	Net Indirect Retail Revenue Requirements (d)		32,988,100
30	Subtotal Subject to GLWA Board Approval (26) + (29)		223,100,200
31	Direct Retail Revenue Requirements (e)		72,771,700
32	Total Local System Revenue Requirement (29) + (31)		105,759,800
33	Net Requirement from Detroit Customer Class (a)		295,871,900

(a) Agrees with GLWA Budget "Schedule 3A"

(b) Reserved

(c) Wholesale revenue requirements for the Detroit Customer Class.

(d) Local System revenue requirements related to Master Bond Ordinance (local debt service, etc.)

(e) Local System operating expenses (net of shared services reimbursement) and I&E deposit. Not Subject to GLWA Board approval.

Great Lakes Water Authority
 Approved FY 2021 Industrial Specific Retail Sewer Charges
 Approved by the GLWA Board on March 11, 2020

Industrial Waste Control Charges		Pollutant Surcharges	
Meter Size - inches	Charge \$/mo	Pollutant	Charge \$/lb
5/8	3.45	BIOCHEMICAL OXYGEN DEMAND (BOD)	
3/4	5.18	for concentrations > 275 mg/l	0.502
1	8.63		
1-1/2	18.98		
2	27.60	TOTAL SUSPENDED SOLIDS (TSS)	
3	50.03	for concentrations > 350 mg/l	0.51
4	69.00		
6	103.50		
8	172.50	PHOSPHORUS (P)	
10	241.50	for concentrations > 12 mg/l	7.519
12	276.00		
14	345.00		
16	414.00	FATS, OIL AND GREASE (FOG)	
18	483.00	for concentrations > 100 mg/l	0.484
20	552.00		
24	621.00		
30	690.00	SEPTAGE DISPOSAL FEE	
36	759.00	Per 500 gallons of disposal	48.00
48	828.00		

George W. Kuhn Sewage and Twelve Towns

58510 and 58530

Financial Summary

Page 4 of 13

	2020 Budget	2021 Forecast	Inc / (Dec)	% Variance
<u>Operating Revenues</u>				
Operating Rate Revenue	\$ 25,797,170.00	\$ 24,427,530.00	\$ (1,369,640.00)	-5.3%
Operating Non-Rate Revenue	99,950.00	134,120.00	34,170.00	34.2%
Operating Revenues	<u>\$ 25,897,120.00</u>	<u>\$ 24,561,650.00</u>	<u>\$ (1,335,470.00)</u>	<u>-5.2%</u>
<u>By Expense Category</u>				
Operating Expenses:				
Personnel	\$ 142,890.00	\$ 148,670.00	\$ 5,780.00	4.0%
Contractual Services	25,705,420.00	24,357,290.00	(1,348,130.00)	-5.2%
Commodities	8,430.00	5,210.00	(3,220.00)	-38.2%
Internal Services	40,380.00	50,480.00	10,100.00	25.0%
Other Expense	-	-	-	
Total Operating Expenses	<u>\$ 25,897,120.00</u>	<u>\$ 24,561,650.00</u>	<u>\$ (1,335,470.00)</u>	<u>-5.2%</u>
<u>Operating Expenses</u>				
Sewage Treatment	\$ 22,043,570.00	\$ 21,963,110.00	\$ (80,460.00)	-0.4%
Sewer System Maintenance	220,420.00	234,040.00	13,620.00	6.2%
Sewer System Engineering	59,550.00	68,750.00	9,200.00	15.4%
Water Purchases	-	-	-	
Water Maintenance Unit	-	-	-	
Water Systems Engineering	-	-	-	
Septage Unloading Facility	-	-	-	
Pump Maintenance Unit	51,960.00	31,930.00	(20,030.00)	-38.5%
Systems Control Unit	134,790.00	139,550.00	4,760.00	3.5%
Plan Review and Permitting	32,380.00	57,500.00	25,120.00	77.6%
Inspection	5,770.00	8,070.00	2,300.00	39.9%
IPP	-	-	-	
Laboratory	-	-	-	
Mapping Unit	12,810.00	13,370.00	560.00	4.4%
Miss Dig	3,720.00	2,740.00	(980.00)	-26.3%
Billing Services Unit	-	-	-	
General and Administrative	3,332,150.00	2,042,590.00	(1,289,560.00)	-38.7%
Total Operating Expenses	<u>25,897,120.00</u>	<u>24,561,650.00</u>	<u>(1,335,470.00)</u>	<u>-5.2%</u>
Net Income	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	
Depreciation	(23,760.00)	(22,100.00)	1,660.00	-7.0%
<u>Reserves</u>				
Non-Operating Revenue	\$ -	\$ 500,000.00	\$ 500,000.00	
Non-Operating Expense	-	-	-	
Major Maintenance Reserve Revenue	669,500.00	689,590.00	20,090.00	3.0%
Major Maintenance Reserve Expense	(399,180.00)	(496,250.00)	(97,070.00)	24.3%
Emergency Reserve Revenue	100,000.00	100,000.00	-	0.0%
Emergency Reserve Expense	-	-	-	
Capital Reserve Revenue	448,960.00	1,350,000.00	901,040.00	200.7%
Capital Reserve Expense	(700,000.00)	(700,000.00)	-	0.0%
Change in Net Assets	<u>\$ 95,520.00</u>	<u>\$ 1,421,240.00</u>	<u>\$ 1,325,720.00</u>	<u>1387.9%</u>
<u>Rate Revenue</u>				
Revenue Requirements:				
Operating Expense	\$ 25,897,120.00	\$ 24,561,650.00	\$ (1,335,470.00)	-5.2%
Non-Operating	-	500,000.00	500,000.00	
Major Maintenance	669,500.00	689,590.00	20,090.00	3.0%
Emergency Maintenance	100,000.00	100,000.00	-	0.0%
Capital	448,960.00	1,350,000.00	901,040.00	200.7%
Total Revenue Requirements	<u>\$ 27,115,580.00</u>	<u>\$ 27,201,240.00</u>	<u>\$ 85,660.00</u>	<u>0.3%</u>
Non-Rate Revenue	<u>\$ (99,950.00)</u>	<u>\$ (134,120.00)</u>	<u>\$ (34,170.00)</u>	<u>34.2%</u>
Rate Required Revenue	<u>\$ 27,015,630.00</u>	<u>\$ 27,067,120.00</u>	<u>\$ 51,490.00</u>	<u>0.2%</u>

George W. Kuhn Pollution Control

58520

Financial Summary

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	2020 Budget	2021 Forecast	Inc / (Dec)	% Variance
<u>Operating Revenues</u>				
Operating Rate Revenue	\$ 25,892,510.00	\$ 26,416,560.00	\$ 524,050.00	2.0%
Operating Non-Rate Revenue	504,510.00	696,360.00	191,850.00	38.0%
Operating Revenues	<u>\$ 26,397,020.00</u>	<u>\$ 27,112,920.00</u>	<u>\$ 715,900.00</u>	<u>2.7%</u>
<u>By Expense Category</u>				
Operating Expenses:				
Personnel	\$ 1,173,290.00	\$ 1,206,650.00	\$ 33,360.00	2.8%
Contractual Services	24,865,210.00	25,524,350.00	659,140.00	2.7%
Commodities	135,870.00	141,260.00	5,390.00	4.0%
Internal Services	222,650.00	240,660.00	18,010.00	8.1%
Other Expense	-	-	-	
Total Operating Expenses	<u>\$ 26,397,020.00</u>	<u>\$ 27,112,920.00</u>	<u>\$ 715,900.00</u>	<u>2.7%</u>
<u>Operating Expenses</u>				
Sewage Treatment	\$ 23,289,390.00	\$ 23,976,540.00	\$ 687,150.00	3.0%
Sewer System Maintenance	251,040.00	299,460.00	48,420.00	19.3%
Sewer System Engineering	331,740.00	260,710.00	(71,030.00)	-21.4%
Water Purchases	-	-	-	
Water Maintenance Unit	-	-	-	
Water Systems Engineering	-	-	-	
Septage Unloading Facility	-	-	-	
Pump Maintenance Unit	1,417,620.00	1,519,290.00	101,670.00	7.2%
Systems Control Unit	96,200.00	105,210.00	9,010.00	9.4%
Plan Review and Permitting	-	-	-	
Inspection	-	-	-	
IPP	-	-	-	
Laboratory	5,520.00	8,450.00	2,930.00	53.1%
Mapping Unit	350.00	800.00	450.00	128.6%
Miss Dig	-	-	-	
Billing Services Unit	-	-	-	
General and Administrative	1,005,160.00	942,460.00	(62,700.00)	-6.2%
Total Operating Expenses	<u>26,397,020.00</u>	<u>27,112,920.00</u>	<u>715,900.00</u>	<u>2.7%</u>
Net Income	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	
Depreciation	(18,480.00)	(15,960.00)	2,520.00	-13.6%
<u>Reserves</u>				
Non-Operating Revenue	\$ -	\$ -	\$ -	
Non-Operating Expense	-	-	-	
Major Maintenance Reserve Revenue	300,000.00	309,000.00	9,000.00	3.0%
Major Maintenance Reserve Expense	(327,150.00)	(460,470.00)	(133,320.00)	40.8%
Emergency Reserve Revenue	50,000.00	50,000.00	-	0.0%
Emergency Reserve Expense	-	-	-	
Capital Reserve Revenue	515,000.00	530,450.00	15,450.00	3.0%
Capital Reserve Expense	(4,215,000.00)	(215,000.00)	4,000,000.00	-94.9%
Change in Net Assets	<u>\$ (3,695,630.00)</u>	<u>\$ 198,020.00</u>	<u>\$ 3,893,650.00</u>	<u>-105.4%</u>
<u>Rate Revenue</u>				
Revenue Requirements:				
Operating Expense	\$ 26,397,020.00	\$ 27,112,920.00	\$ 715,900.00	2.7%
Non-Operating	-	-	-	
Major Maintenance	300,000.00	309,000.00	9,000.00	3.0%
Emergency Maintenance	50,000.00	50,000.00	-	0.0%
Capital	515,000.00	530,450.00	15,450.00	3.0%
Total Revenue Requirements	<u>\$ 27,262,020.00</u>	<u>\$ 28,002,370.00</u>	<u>\$ 740,350.00</u>	<u>2.7%</u>
Non-Rate Revenue	<u>\$ (504,510.00)</u>	<u>\$ (696,360.00)</u>	<u>\$ (191,850.00)</u>	<u>38.0%</u>
Rate Required Revenue	<u>\$ 26,757,510.00</u>	<u>\$ 27,306,010.00</u>	<u>\$ 548,500.00</u>	<u>2.0%</u>

Monthly Charge Breakdown

SEWAGE CHARGE

Flat Rate Sewage Charge	Effective July 1, 2020
	Annual Charge
GLWA Purchased Expense	\$ 21,963,110.00
OCWRC Operating Expense	2,598,540.00
Non-Operating	500,000.00
Major Maintenance Reserve	689,590.00
Emergency Maintenance Reserve	100,000.00
Capital Improvement Reserve	1,350,000.00
Less: Misc. Revenue	(134,120.00)
Total:	\$ 27,067,120.00

	Effective July 1, 2020	Effective July 1, 2020
	Annual Charge	Monthly Charge
City of Berkley	\$ 1,088,368	\$ 90,697.33
Village of Beverly Hills	73,353	6,112.75
City of Birmingham	819,051	68,254.26
City of Clawson	804,705	67,058.75
City of Ferndale	1,476,240	123,019.99
City of Hazel Park	1,108,128	92,344.00
City of Huntington Woods	497,223	41,435.25
City of Madison Heights	2,782,229	231,852.41
City of Oak Park	2,093,100	174,425.00
City of Pleasant Ridge	240,087	20,007.26
City of Royal Oak	5,198,781	433,231.74
Royal Oak Twp	255,785	21,315.42
City of Southfield	1,788,054	149,004.51
City of Troy	8,507,466	708,955.49
Detroit Zoological Park	297,197	24,766.42
County of Oakland	-	-
Rackham Golf Course	37,353	3,112.75
State Of Michigan	-	-
Total	\$ 27,067,120	\$ 2,255,593.33

Monthly Charge Breakdown

STORM CHARGE

Flat Rate Storm Charge	Effective July 1, 2020
	Annual Charge
GLWA Purchased Expense	\$ 23,976,540.00
OCWRC Operating Expense	3,136,380.00
Non-Operating	-
Major Maintenance	309,000.00
Emergency Maintenance	50,000.00
Capital Improvement	530,450.00
Less: Interest Income	(696,360.00)
Total:	\$ 27,306,010.00

	Effective July, 1 2020	Effective July 1, 2020
	Annual Charge	Monthly Charge
City of Berkley	\$ 1,772,025	\$ 147,668.76
Village of Beverly Hills	228,524	19,043.67
City of Birmingham	1,333,544	111,128.66
City of Clawson	1,618,210	134,850.84
City of Ferndale	2,809,377	234,114.75
City of Hazel Park	615,860	51,321.67
City of Huntington Woods	673,667	56,138.91
City of Madison Heights	1,786,086	148,840.50
City of Oak Park	3,724,074	310,339.49
City of Pleasant Ridge	365,628	30,469.00
City of Royal Oak	8,110,649	675,887.40
Royal Oak Twp	348,833	29,069.42
City of Southfield	2,106,822	175,568.49
City of Troy	677,162	56,430.16
Detroit Zoological Park	91,856	7,654.67
County of Oakland	417,073	34,756.09
Rackham Golf Course	52,237	4,353.08
State Of Michigan	574,383.00	47,865.26
Total	\$ 27,306,010	\$ 2,275,500.82

Share & Monthly Charge Comparison

SEWAGE CHARGE

	FY 2019-20 (July - June)		FY 2020-21 (July - June)		% Change Mthly Charge
	Share % of System	Monthly Charge	Share % of System	Monthly Charge	
City of Berkley	3.911%	\$ 88,048.42	4.021%	\$ 90,697.33	3.0%
Village of Beverly Hills	0.273%	6,146.09	0.271%	6,112.75	-0.5%
City of Birmingham	3.034%	68,304.49	3.026%	68,254.26	-0.1%
City of Clawson	2.898%	65,242.75	2.973%	67,058.75	2.8%
City of Ferndale	5.374%	120,985.00	5.454%	123,019.99	1.7%
City of Hazel Park	4.108%	92,483.50	4.094%	92,344.00	-0.2%
City of Huntington Woods	1.811%	40,771.17	1.837%	41,435.25	1.6%
City of Madison Heights	10.759%	242,217.67	10.279%	231,852.41	-4.3%
City of Oak Park	7.837%	176,434.66	7.733%	174,425.00	-1.1%
City of Pleasant Ridge	0.887%	19,968.91	0.887%	20,007.26	0.2%
City of Royal Oak	19.306%	434,636.51	19.207%	433,231.74	-0.3%
Royal Oak Twp	0.957%	21,544.92	0.945%	21,315.42	-1.1%
City of Southfield	6.709%	151,039.91	6.606%	149,004.51	-1.3%
City of Troy	30.917%	696,035.17	31.431%	708,955.49	1.9%
Detroit Zoological Park	1.090%	24,539.16	1.098%	24,766.42	0.9%
County of Oakland	0.000%	-	-	-	-
Rackham Golf Course	0.129%	2,904.17	0.138%	3,112.75	7.2%
State Of Michigan	0.000%	-	-	-	-
Total	100.00%	\$ 2,251,302.50	100.00%	\$ 2,255,593.33	0.2%

Charges have been rounded

George W. Kuhn Drainage District, Effective July 1, 2020

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Share & Monthly Charge Comparison

STORM CHARGE

	FY 2019-20 (July - June)		FY 2020-21 (July - June)		% Change Mthly Charge
	Share % of System	Monthly Charge	Share % of System	Monthly Charge	
City of Berkley	6.4895%	\$ 144,702.33	6.4895%	\$ 147,668.76	2.1%
Village of Beverly Hills	0.8369%	18,661.09	0.8369%	19,043.67	2.1%
City of Birmingham	4.8837%	108,896.42	4.8837%	111,128.66	2.0%
City of Clawson	5.9262%	132,142.00	5.9262%	134,850.84	2.0%
City of Ferndale	10.2885%	229,412.18	10.2885%	234,114.75	2.0%
City of Hazel Park	2.2554%	50,290.75	2.2554%	51,321.67	2.0%
City of Huntington Woods	2.4671%	55,011.16	2.4671%	56,138.91	2.1%
City of Madison Heights	6.5410%	145,850.75	6.5410%	148,840.50	2.0%
City of Oak Park	13.6383%	304,105.75	13.6383%	310,339.49	2.0%
City of Pleasant Ridge	1.3390%	29,857.00	1.3390%	30,469.00	2.0%
City of Royal Oak	29.7028%	662,310.67	29.7028%	675,887.40	2.0%
Royal Oak Twp	1.2775%	28,485.67	1.2775%	29,069.42	2.0%
City of Southfield	7.7156%	172,041.84	7.7156%	175,568.49	2.0%
City of Troy	2.4799%	55,296.74	2.4799%	56,430.16	2.0%
Detroit Zoological Park	0.3364%	7,501.00	0.3364%	7,654.67	2.0%
County of Oakland	1.5274%	34,057.83	1.5274%	34,756.09	2.1%
Rackham Golf Course	0.1913%	4,265.58	0.1913%	4,353.08	2.1%
State Of Michigan	2.1035%	46,903.75	2.1035%	47,865.26	2.0%
Total	100.0000%	\$ 2,229,792.51	100.0000%	\$ 2,275,500.82	2.0%

Charges have been rounded

**OAKLAND COUNTY WATER RESOURCES COMMISSIONER
GEORGE W. KUHN DRAINAGE DISTRICT
SCHEDULE OF RATES AND CHARGES, EFFECTIVE JULY 1, 2020**

1. Sewerage Disposal Charge

<u>Municipality</u>	Effective July 1, 2020 <u>Monthly</u>
City of Berkley	\$ 90,697.33
Village of Beverly Hills	6,112.75
City of Birmingham	68,254.26
City of Clawson	67,058.75
City of Ferndale	123,019.99
City of Hazel Park	92,344.00
City of Huntington Woods	41,435.25
City of Madison Heights	231,852.41
City of Oak Park	174,425.00
City of Pleasant Ridge	20,007.26
City of Royal Oak	433,231.74
Royal Oak Twp	21,315.42
City of Southfield	149,004.51
City of Troy	708,955.49
Detroit Zoological Park	24,766.42
County of Oakland	-
Rackham Golf Course	3,112.75
State Of Michigan	-
	<hr/>
Toal:	<u><u>\$ 2,255,593.33</u></u>

Where communities have individual sewer customers with metered sewage, permitted and approved by the Oakland County Water Resources Commissioner (WRC), then each community shall also report, within ten days following the end of each month, the total metered sewage within the community, in lieu of water consumption.

2. **Pollutant Surcharge - APPROVED BY GLWA**

A Pollutant Surcharge shall be levied against industrial and commercial customers contributing sewage to the system with concentrations of pollutants exceeding the levels described as follows:

- A. 275 milligrams per liter (mg/l) of Biochemical Oxygen Demand (BOD)
- B. 350 milligrams per liter (mg/l) of Total Suspended Solids (TSS)
- C. 12 milligrams per liter (mg/l) of Phosphorus (P)
- D. 100 milligrams per liter (mg/l) of Fats, Oils & Grease (FOG)

<u>Pollutant</u>	<u>Effective July 1, 2020 Total Charge Per lb. of Excess Pollutants</u>
Biochemical Oxygen Demand (BOD)	\$ 0.502
Total Suspended Solids (TSS)	0.510
Phosphorus (P)	7.519
Fats, Oils & Grease (FOG)	0.484

It is assumed that normal residential customers do not contribute sewage with concentration of pollutants exceeding the above levels, therefore, the Pollutant Surcharge shall not apply to residential customers. Further, restaurants shall also be exempt from Pollutant Surcharge per the federal court "Second Interim Order", dated July 10, 1981.

3. **Industrial Waste Control Charge - APPROVED BY GLWA**

Based on the reported number of water meter sizes for non-residential users of the System, each community shall pay a monthly Industrial Waste Control Charge (IWC) in accordance with the following schedule:

<u>Non-Residential Meter Size in Inches</u>	<u>Effective July 1, 2020 \$/Month</u>
5/8	\$ 3.45
3/4	5.18
1	8.63
1 1/2	18.98
2	27.60
3	50.03
4	69.00
6	103.50
8	172.50
10	241.50
12	276.00
14	345.00
16	414.00
18	483.00
20	552.00
24	621.00
30	690.00
36	759.00
48	828.00

Non-residential users shall be defined as all users other than those in single family houses, apartment buildings, condominiums, town houses, mobile homes, schools, churches and municipal buildings.

4. **Flat Rate Storm Charge**

<u>Municipality</u>	Effective July 1, 2020
	<u>Monthly</u>
City of Berkley	\$ 147,668.76
Village of Beverly Hills	19,043.67
City of Birmingham	111,128.66
City of Clawson	134,850.84
City of Ferndale	234,114.75
City of Hazel Park	51,321.67
City of Huntington Woods	56,138.91
City of Madison Heights	148,840.50
City of Oak Park	310,339.49
City of Pleasant Ridge	30,469.00
City of Royal Oak	675,887.40
Royal Oak Twp	29,069.42
City of Southfield	175,568.49
City of Troy	56,430.16
Detroit Zoological Park	7,654.67
County of Oakland	34,756.09
Rackham Golf Course	4,353.08
State Of Michigan	<u>47,865.26</u>
Total:	<u><u>\$ 2,275,500.82</u></u>

5. Total Sewer and Storm Water Charge

The following schedule identifies the total of the sewer charge and the storm water charge. The combined amount will be billed monthly to each customer:

Combined Monthly Sewer and Storm Charges

<u>Municipality</u>	Effective July 1, 2020 <u>Monthly</u>
City of Berkley	\$ 238,366.09
Village of Beverly Hills	25,156.42
City of Birmingham	179,382.92
City of Clawson	201,909.59
City of Ferndale	357,134.74
City of Hazel Park	143,665.67
City of Huntington Woods	97,574.16
City of Madison Heights	380,692.91
City of Oak Park	484,764.49
City of Pleasant Ridge	50,476.26
City of Royal Oak	1,109,119.14
Royal Oak Twp	50,384.84
City of Southfield	324,573.00
City of Troy	765,385.65
Detroit Zoological Park	32,421.09
County of Oakland	34,756.09
Rackham Golf Course	7,465.83
State Of Michigan	47,865.26
Total:	<u><u>\$ 4,531,094.15</u></u>

CHANGE ORDER NO. 1

Jim Nash, Oakland County Water Resources Commissioner

For Construction of the Dequindre Pump Station Rehabilitation ProjectLocated in Madison Heights, Oakland County, MichiganCONTRACTOR: Weiss ConstructionAddress: 4000 Renaissance Center, Suite 2170Detroit, MI 48243

Authorization for Extras To & Changes In Contract

Change Order No: 1Date: 4/17/2020

Auth No.	Location-Description-Reason	Unit Used	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
A	<u>LOCATION:</u> Dequindre Pump Station -George W. Kuhn Drain Drainage District					
	<u>DESCRIPTION:</u> <u>Extra / Add</u> Work Change Directive #1 (Revised): WCD #1 authorized installation of a new 1600 amp manual transfer switch (MTS) in lieu of (2) 400 amp manual transfer switches. The new MTS is to be wired between the automatic transfer switch (ATS) and the motor control center (MCC). RFI #9, #12 and #12A addresses how the new MTS is to be spliced, proper wiring size and conduit routing. WCD #1 (Revised) authorizes all work related to the original WCD #1 as well as related work in RFI #9, #12, and #12A.	LS	1	\$57,379.00	\$57,379.00	---
	<u>Extra / Add</u> Work Change Directive #2: Authorizes use of mega flanges on the discharge riser pipe in lieu of the specified dressing couplers.	LS	1	\$9,617.00	\$9,617.00	---
	<u>Extra / Add</u> Work Change Directive #3: Authorizes mounting the new emergency generator mufflers on the roof in lieu of inside the generator room per RFI #14. Follow-up RFI #17 addresses the roof penetrations and method of mounting the mufflers on the generator room roof.	LS	1	\$20,545.00	\$20,545.00	---
D	<u>Extra / Add</u> Work Change Directive #4: Authorizes removing an existing welded retaining ring and installing a slip-on flange to accomodate installation of the new 16" PRZ station.	LS	1	\$1,536.00	\$1,536.00	---

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

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

Authorization for Extras To & Changes In Contract

Change Order No: 1Date: 4/17/2020

Auth No.	Location-Description-Reason	Unit Used	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
	REASON:					
A	Installation of (1) MTS will allow the GWK staff to power the whole MCC and operate any equipment within the sizing limitation of the available mobile generator. Wiring the MTS between the ATS and MCC will provide safety interlocking to prevent any more than one of the (3) power sources from being connected to the MCC at the same time. This is an owner change request.					
B	Using mega flanges in lieu of dressing couplers on the discharge riser will reduce the required floor openings from 26" to 22". GWK staff is recommending that all floor penetrations be as small as possible. This is an owner change request.					
C	The height of the new emergency generator (including mufflers) was found to be too tall to fit inside the existing emergency generator room. The height (including mufflers) is 11'-10" while the underside of the roof joists are 10'-10". Due to this field coordination issue and the fact that it would decrease the heat inside the generator room it was decided a roof mounted muffler system would be the best solution.					
D	While installing the new 16" PRZ station the connection to the existing Victaulic coupler located in the toilet room was found to be a welded retaining ring in lieu of a grooved connection. This unknown field condition required the retaining ring to be removed and replaced with a slip-on flange.					
				Totals	\$89,077.00	\$0.00
				Net Increase	\$89,077.00	---

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

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

Regular Construction Estimate No. 8

March 1, 2020 to March 31, 2020

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

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: N/A

Original Contract Amount: \$5,845,000.00

Previous Change Orders: \$0.00
Numbers: (none)

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

Total Net Change Orders: \$0.00

Adjusted Contract Amount: \$5,845,000.00

Sub-Total To Date: \$4,320,831.70

Less Deductions: \$0.00

Gross Estimate: (Work in Place) 73.92% \$4,320,831.70

Less Amount Reserved: (10% of 1/2 Adjusted Contract Amount) \$292,250.00

Total Amount Allowed To Date: \$4,028,581.70

Less Previous Estimates: \$3,785,610.20

Net Payment Request To Be Paid To Contractor: \$242,971.50

Reserve Payment to Contractor \$0.00

Balance of Contract To Date \$ 1,524,168.30 Accounting Auditor:

Amount To Be Reserved (From Above) \$292,250.00

Less Previous Transfers To Reserve: \$292,250.00

Amount of Current Transfer: \$0.00

Prepared by: 
Craig Tiell - Project Engineer

Date: 4/16/2020

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

Date: _____

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

Date: _____

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

Date: _____

Regular Construction Estimate No. 8

Approved By Board On: _____

7. Rummell Drain

AGENDA

DRAINAGE BOARD FOR THE RUMMELL RELIEF DRAIN

April 28, 2020

1. Call meeting to order
2. Approve minutes of meeting of June 25, 2019
3. Public Comments
4. Present Memorandum Regarding Pipeline and Headwall Rehabilitation
5. Present Request for Reimbursement of the Drain Revolving Fund in the amount of \$6,233.88
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

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

June 25, 2019

A meeting of the Drainage Board for the Rummell Relief Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 25th day of June 2019.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Chairperson and Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

ABSENT: None

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

ADOPTED: Yeas - 3
Nays - 0

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

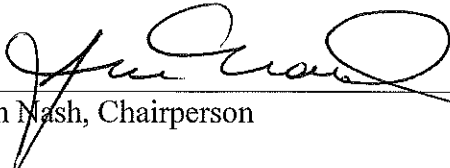
A request for reimbursement of the Drain Revolving Fund in the amount of \$167.05 (as attached) was presented. It was moved by Markham, supported by Woodward, that the Drain Revolving Fund be reimbursed in the amount of \$167.05.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.

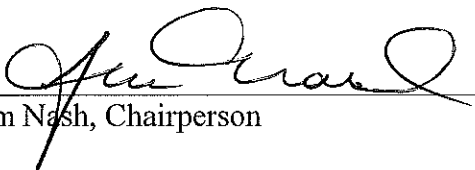


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board of the Rummell Relief Drain, Oakland County, Michigan, held on the 25th day of June 2019, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: 7/3, 2019

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**

MEMORANDUM

TO: Jim Nash, Chairman - Rummell Relief Drain Drainage Board

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

SUBJECT: Pipe and Headwall Rehabilitation – Rummell Relief Drain
Beneath 13 Mile Road, Lathrup Village

DATE: April 28, 2020

An enclosed portion of the Rummell Relief Drain in the City of Lathrup Village was recently inspected by Hubbell, Roth, and Clark, Inc. (HRC) ahead of an upcoming road project on 13 Mile Road. The inspection recommends rehab work to extend the useful life of the pipe and the headwall prior to the road project, which is scheduled for construction beginning in July 2020.

Three contractors were solicited for estimates to perform the work outlined in the HRC inspection report. The estimates are based on their existing as-needed services contracts for pipe repair and rehabilitation.

To assure compliance with the recommendations in the inspection report, HRC was requested to provide engineering and inspection services for the rehabilitation work. A cost estimate of the HRC services was provided based on their existing engineering services as-needed contract.

Recommendation: Authorize DVM Utilities to proceed with the pipeline and headwall rehabilitation for an amount not to exceed \$137,975.

Further Recommendation: Authorize HRC to proceed with engineering and inspection services for an amount not to exceed \$12,800.

Rummel Relief Drain at 13 Mile Road - Estimate of Probable Costs

	Cost
1) Contracted Services:	
Overall Estimated Rehabilitaiton Cost	\$ 137,975
Easement Acquisition	\$ -
Sub-Total	\$ 137,975
2) Project Development	
Project Scope - WRC	\$ 2,200
Estimate and Workplan Review - HRC	\$ 3,400
Construction Engineering/Inspection - HRC	\$ 9,400
Soil Borings and Material Testing	\$ -
Sub-Total	\$ 15,000
3) Contracted Services: Project Financing (1)	
Bond Counsel	\$ -
Financial Consultant	\$ -
Official Statement	\$ -
Bond Rating Fees	\$ -
Bond Discount (1 1/2%)	\$ -
Sub-Total	\$ -
4) County Services:	
Administration	\$ 1,380
Engineering	\$ 2,400
Right-Of-Way	\$ -
Construction Inspection	\$ 1,200
Surveying and As-Built Preparation	\$ -
Sub-Total	\$ 4,980
GRAND SUBTOTAL	\$ 157,955
5) 10% Contingency	\$ 15,795
Estimate of Probable Project Cost	\$ 173,750

1 - assumes no bonding required



6045 Sims Dr., Suite 2,
Sterling Heights, MI 48313
Ph: 586-979-0402
Fax: 586-979-8295
Email: vshenoy@dvmutilities.com

PROPOSAL

04/17/2020

Oakland County Water Resources Commissioner's Office (OCWRC)
Attn: Geoff S. Wilson, P.E., Drain Maintenance Engineer
One Public Works Drive, Building 95 West
Waterford, MI 48328
Direct: 248-858-1213

Project Name: Rummell Relief Drain – Pipe & Outlet Rehabilitation & Repairs, HRC Job No. 20191140
Owner: Oakland County Water Resources Commissioner (OCWRC), Waterford, MI

Description of Work:

ITEM	BID ITEM DESCRIPTION	QUANTITY	UNIT	CONTRACT UNIT PRICE	CONTRACT AMOUNT
OUTFALL STRUCTURE WORK:					
1	REMOVE & DISPOSE of concrete wedges off headwall structure	1	LS	\$3,875.00	\$3,875.00
2	REMOVE joint material between outfall apron & headwall	1	LS	\$3,750.00	\$3,750.00
3	REPLACE joint material between outfall apron & headwall	1	LS	\$2,250.00	\$2,250.00
4	PRESSURE inject cracks in headwall W/ epovy grout	1	LS	\$3,125.00	\$3,125.00
5	REPAIR spalled concrete in headwall , 15 SF	1	LS	\$2,750.00	\$2,750.00
6	INSTALL a paved invert in last pipe section, 72 SF	1	LS	\$4,350.00	\$4,350.00
	Sub-Total Amount - OUTFALL STRUCTURE WORK				\$20,100.00

Continued on Page 2

ITEM	BID ITEM DESCRIPTION	QUANTITY	UNIT	CONTRACT UNIT PRICE	CONTRACT AMOUNT
PIPE REPAIR WORK:					
1	REMOVE delaminated concrete surface, (400SF)	1	LS	\$15,000.00	\$15,000.00
2	REPLACE delaminated pipe surfaces, (400SF)	1	LS	\$16,500.00	\$16,500.00
3	REPLACE or ADD deteriorated reinf, & anchors, (400SF)	1	LS	\$10,000.00	\$10,000.00
4	REMOVE loose pipe joint grout	1	LS	\$8,750.00	\$8,750.00
5	REPLACE pipe joint grout	1	LS	\$11,500.00	\$11,500.00
6	INJECT grout to stop joint leaks, approx. 40 joints	1	LS	\$53,125.00	\$53,125.00
7	APPLY water proof repellant at pipe taps	1	LS	\$3,000.00	\$3,000.00
	Sub-Total Amount - PIPE REPAIR WORK				\$117,875.00
	TOTAL AMOUNT OF BID - OUTFALL & PIPE REPAIR WORK				\$137,975.00

Total Estimated Amount: One Hundred Thirty-Seven Thousand, Nine Hundred Seventy-Five Dollars & Zero Cents \$137,975.00

Note:

- i.) To return to the site during road construction observation only. Any work during road construction contractors operation constitutes change in scope for additional compensation as a contingency via contract extra work change order.
- ii.) POST bid meeting would be desired to determine actual quantity of work scope & to be in agreement with the field recommendations.

Please feel free to contact us if you have any questions.

Thank You,

Vinay Shenoy,
Estimator/Project Manager

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting



DATE: April 28, 2020

SUBJECT: Request for Reimbursement of Drain Revolving Fund

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

Date	Ref No.	Paid To	For	Amount
3/20/2020	V # 1427748	East Jordan USA Inc	Invoice # 0177236 - Engineer Services	\$ 4,923.28
	TBP	United Resources	Invoice # 20-0013 - Contracted Services	361.25
	TBP	Hubbell Roth & Clark, Inc	Invoice # 0177812 - Engineer Services - 03/07/20	949.35
				<u>\$ 6,233.88</u>

8. Bloomfield Hills CSO

AGENDA

DRAINAGE BOARD FOR THE BLOOMFIELD HILLS CSO DRAIN

April 28, 2020

1. Call meeting to order
2. Approve minutes of meeting of November 26, 2019
3. Public Comments
4. Present request for reimbursement of the Drain Revolving Fund in the amount of \$3,016.27
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 HILLS CSO DRAIN**

November 26, 2019

A meeting of the Drainage Board for the Bloomfield Hills 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 26th day of November, 2019.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

Minutes of the meeting held June 17, 2003 were presented for consideration. It was moved by Woodward, supported by Nash, that the minutes be approved.

ADOPTED: Yeas - 2
Nays - 0

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

A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$97,572 for the Bloomfield Hills CSO Drain (as attached) were presented. It was moved by Woodward, supported by Nash, to adopt the Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$97,572 as presented.

ADOPTED: Yeas - 2
Nays - 0

A request for reimbursement of the Drain Revolving Fund in the amount of \$1,327.68 (as attached) was presented. It was moved by Woodward, supported by Nash, to reimburse the Drain Revolving Fund in the amount of \$1,327.68.

ADOPTED: Yeas - 2
Nays - 0

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

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.

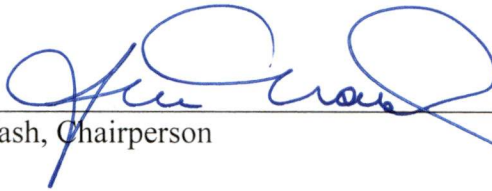


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board of the Bloomfield Hills CSO Drain, Oakland County, Michigan, held on the 26th day of November, 2019, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: December 4th, 2019

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting



DATE: April 28, 2020

SUBJECT: Request for Reimbursement of Drain Revolving Fund

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

Date	Ref No.	Paid To	For	Amount
2/28/2020	V # 1419888	Oakland Heights Development	Invoice # 4243-000015015 - Contracted Services	\$ 151.00
2/28/2020	V # 1425643	Oakland Heights Development	Invoice # 4243-000015047 - Contracted Services	869.27
1/31/2020	V # 1419875	United Resources LLC	Invoice # 19-3254 - Contracted Services	1,996.00
			Total	\$ 3,016.27

9. Crake Drain

AGENDA

DRAINAGE BOARD FOR THE CRAKE DRAIN

April 28, 2020

1. Call meeting to order
2. Approve minutes of meeting of March 26, 2019
3. Public Comments
4. Present request for reimbursement of the Drain Revolving Fund in the amount of \$7,018.95
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

March 26, 2019

A meeting of the Drainage Board for the Crake Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 26th day of March 2019.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

ABSENT: None

Minutes of the meeting held June 16, 2009 were presented for consideration. It was moved by Zack, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

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

A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$45,482 for the Crake Drain (as attached) were presented. It was moved by Woodward, supported by Zack, to adopt the Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$45,482 as presented.

ADOPTED: Yeas - 3
Nays - 0

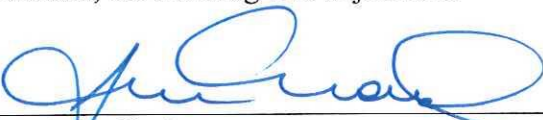
A request for reimbursement of the Drain Revolving Fund in the amount of \$603.28 (as attached) was presented. It was moved by Zack, supported by Woodward, that the Drain Revolving Fund be reimbursed in the amount of \$603.28.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.




Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board of the Crake Drain, Oakland County, Michigan, held on the 26th day of March 2019, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: April 15, 2019

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting



DATE: April 28, 2020

SUBJECT: Request for Reimbursement of Drain Revolving Fund

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

Date	Ref No.	Paid To	For	Amount
	TBP	United Resources	Invoice # 20-0014 - Contracted Services	\$ 2,594.20
	TBP	United Resources	Invoice # 20-0008 - Contracted Services	4,424.75
			Total	<u>\$ 7,018.95</u>

10. Edwards Relief Drain

AGENDA

DRAINAGE BOARD FOR THE EDWARDS RELIEF DRAIN

April 28, 2020

1. Call meeting to order
2. Approve minutes of meeting of January 28, 2020
3. Public Comments
4. Present Request for Reimbursement of the Drain Revolving Fund in the amount of \$4,564.95
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

January 28, 2020

A meeting of the Drainage Board for the Edwards Relief Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 28th day of January, 2020.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

ABSENT: None

Minutes of the meeting held December 17, 2019 were presented for consideration. It was moved by Zack, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

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

A request for reimbursement of the Drain Revolving Fund in the amount of \$1,299.94 (as attached) was presented. It was moved by Woodward, supported by Zack, that the Drain Revolving Fund be reimbursed in the amount of \$1,299.94.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.




Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board of the Edwards Relief Drain, Oakland County, Michigan, held on the 28th day of January, 2020, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: February 5, 2020

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

FROM: Shawn Phelps, Chief of Fiscal Services
Drain Accounting



DATE: April 28, 2020

SUBJECT: Request for Reimbursement of Drain Revolving Fund

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

Date	Ref No.	Paid To	For	Amount
3/17/2020	V # 1428568	Hubbell Roth & Clark Inc	Invoice # 0176857 - Contracted Services - 02/08/20 - Proj # 1-2680	\$ 2,687.45
	TBP	United Resources	Invoice # 20-0014 - Contracted Services	1,877.50
			Total	\$ 4,564.95

11. Robert A. Reid Drain

AGENDA

DRAINAGE BOARD FOR THE ROBERT A. REID DRAIN

April 28, 2020

1. Call meeting to order
2. Approve minutes of meeting of February 25, 2020
3. Public Comments
4. Present Request for Reimbursement of the Drain Revolving Fund in the amount of \$9,068.13
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE ROBERT A. REID DRAIN**

February 25, 2020

A meeting of the Drainage Board for the Robert A. Reid Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 11:30 a.m. on the 25th day of February, 2020.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

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

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

Minutes of the meeting held February 28, 2017 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 \$41,926 for the Robert A. Reid 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 \$41,926 as presented.

ADOPTED: Yeas - 2
Nays - 0

A request for reimbursement of the Drain Revolving Fund in the amount of \$409.60 (as attached) was presented. It was moved by Markham, supported by Nash, that the Drain Revolving Fund be reimbursed in the amount of \$409.60.

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.

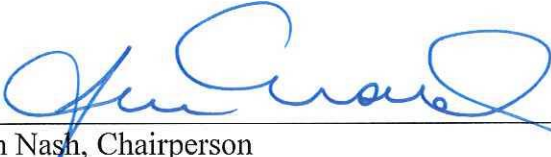


Jim Nash, Chairperson

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 of the Robert A. Reid Drain, Oakland County, Michigan, held on the 25th day of February, 2020, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: March 9 , 2020

MEMO TO: Mr. Jim Nash, Chairman
of the Drainage Board for the ROBERT A. REID DRAIN

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting



DATE: April 28, 2020

SUBJECT: Request for Reimbursement of Drain Revolving Fund

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

Date	Ref No.	Paid To	For	Amount
3/31/2020	V # 1422143	United Resources	Invoice # 19-3268 - Contracted Services	\$ 4,863.00
3/31/2020	V # 1425540	United Resources	Invoice # 19-3286 - Contracted Services	1,461.53
3/31/2020	V # 1431657	Oakland Heights	Invoice # 4243-000015111 - Contracted Services	1,154.60
	TBP	United Resources	Invoice # 19-3307 - Contracted Services	350.00
	TBP	United Resources	Invoice # 20-0008 - Contracted Services	1,090.00
	TBP	United Resources	Invoice # 20-0013 - Contracted Services	149.00
			Total	<u>\$ 9,068.13</u>

12. Wilcox Drain

AGENDA

DRAINAGE BOARD FOR THE WILCOX DRAIN

April 28, 2020

1. Call meeting to order
2. Approve minutes of meeting of May 24, 2016
3. Public Comments
4. Present Request for Reimbursement of the Drain Revolving Fund in the amount of \$1,102
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

May 24, 2016

A meeting of the Drainage Board for the Wilcox 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 May, 2016.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Chairperson and Oakland County Water Resources Commissioner

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

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

Minutes of the meeting held July 15, 2008 were presented for consideration.
It was moved by Middleton, 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 Resolution for the Wilcox Drain Restatement of Construction Surplus and a downward adjustment to the Maintenance Funds (as attached) was presented. It was moved by Middleton, supported by Nash, to adopt the resolution as presented.

ADOPTED: Yeas - 2
Nays - 0

It was moved by Nash, 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.

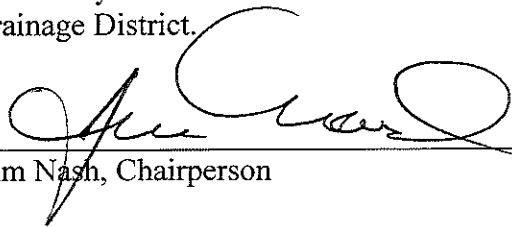


Jim Nash, Chairperson

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 Wilcox Drain, Oakland County, Michigan, held on the 24th day of May, 2016, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: June 15, 2016

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting



DATE: April 28, 2020

SUBJECT: Request for Approval of Invoices

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

Date	Ref No.	Paid To	For	Amount
	TBP	United Resource	Invoice # 20-0013 - Contracted Services	\$ 1,102.00
				<u>\$ 1,102.00</u>