

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

1. Acacia Park CSO Drain
2. Birmingham CSO Drain
3. Bloomfield Village CSO Drain
4. Clinton River Water Resource Recovery Facility
5. Hamilton Relief Drain
6. Hayward Drain
7. Schmid Drain
8. Helaine Zack Drain
9. City of Pontiac Wastewater Treatment Facility
10. Evergreen-Farmington Sanitary Drain
11. George W. Kuhn 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, DECEMBER 15, 2020** VIA GOTOMEETING. THOSE THAT WISH TO PARTICIPATE MAY FOLLOW THE INSTRUCTIONS ATTACHED TO THIS NOTICE.

THIS BOARD MEETING IS BEING CONDUCTED ELECTRONICALLY IN ACCORDANCE WITH THE PROVISIONS OF THE OPEN MEETINGS ACT, PA 267 OF 1976, AS AMENDED, AND/OR AS OTHERWISE PROVIDED BY LAW.

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](mailto:KOSSM@OAKGOV.COM).

PERSONS WITH DISABILITIES THAT NEED ASSISTANCE PARTICIPATING IN THE MEETING SHOULD CONTACT MEGAN KOSS AT [KOSSM@OAKGOV.COM](mailto:KOSSM@OAKGOV.COM).

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

Posted by: December 11, 2020

**December 15, 2020 - Chapter 20 Drain Board Meeting**  
**Tue, Dec 15, 2020 2:00 PM - 4:00 PM (EST)**

Please join my meeting from your computer, tablet or smartphone.  
<https://global.gotomeeting.com/join/746538541>

You can also dial in using your phone.  
United States: [+1 \(872\) 240-3212](tel:+18722403212)

Access Code: 746-538-541

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Dial in or type: 67.217.95.2 or [inroomlink.goto.com](https://inroomlink.goto.com)  
Meeting ID: 746 538 541  
Or dial directly: [746538541@67.217.95.2](tel:746538541@67.217.95.2) or 67.217.95.2##746538541

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**Chapter 20 Drainage Board Meeting**  
**Regular Meeting – Tuesday December 15, 2020**

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**1. Acacia Park CSO**

## **AGENDA**

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

December 15, 2020

1. Call meeting to order
2. Approve minutes of meeting of November 17, 2020
3. Public Comments
4. Present request for Board approval of payment of invoices and reimbursement of the Drain Revolving Fund in the amount of \$3,548
5. Present request for reimbursement of the Evergreen Farmington Sewage Disposal System Fund in the amount of \$31,955.84
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

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

November 17, 2020

A meeting of the Drainage Board for the Acacia Park CSO Drain was held at 2:00 p.m. on the 17<sup>th</sup> of November, 2020. The meeting was conducted electronically via GoToMeeting in accordance with PA 228 of 2020.

The meeting was called to order by the Chairperson. The Board indicated where they were physically located at the time of the meeting as follows:

PRESENT: Jim Nash, Oakland County Water Resources Commissioner, participating from Farmington Hills, Michigan.

David Woodward, Chairperson of the Oakland County Board of Commissioners, participating from Royal Oak, Michigan.

Helaine Zack, Chairperson of the Finance Committee, Oakland County Board of Commissioners, participating from Huntington Woods, Michigan.

Minutes of the meeting held October 27, 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 request for reimbursement of the Evergreen Farmington Fund in the amount of \$31,955.84 (as attached) was presented. It was moved by Zack, supported by Nash, to reimburse the Evergreen Farmington Fund in the amount of \$31,955.84.

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 Ms. Zack and Mr. Woodward.

ADOPTED: Yeas - 3  
Nays - 0

There being no further business, the meeting was adjourned.



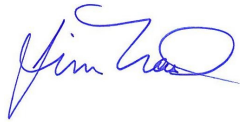
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Jim Nash, Chairperson

STATE OF MICHIGAN                    )  
  )SS.  
COUNTY OF OAKLAND                )

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board of the Acacia Park CSO Drain, Oakland County, Michigan, held on the 17<sup>th</sup> day of November, 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 the Acacia Park CSO Drain Drainage District.



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Jim Nash, Chairperson

Dated: November 30, 2020

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: December 15, 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 December 10, 2020

G/L Date	Ref No.	Paid To	For	Amount
	TBP	Great Lakes Pump & Supply Co	Invoice # 14376 - Contracted Services	\$ 1,575.00
	TBP	DuBois- Cooper	Invoice # 699 - Materials and Supplies	1,973.00
			Total	<u>\$ 3,548.00</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

*Sj Phelps*

**DATE:** December 15, 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 December 10, 2020.

<u>Date</u>	<u>Ref No.</u>	<u>For</u>	<u>Amount</u>
11/30/20	JE# 347530	November 2020 Storm Water Flow Charges RTB Capacity Use (O & M Credit)	\$31,955.84
			<u>\$31,955.84</u>



## **2. Birmingham CSO**

## **AGENDA**

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

December 15, 2020

1. Call meeting to order
2. Approve minutes of meeting of November 17, 2020
3. Public Comments
4. Present request for Board approval of payment of invoices and reimbursement of the Drain Revolving Fund in the amount of \$6,322
5. Present request for reimbursement of the Evergreen Farmington Fund in the amount of \$33,415.26
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

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

November 17, 2020

A meeting of the Drainage Board for the Birmingham CSO Drain was held at 2:00 p.m. on the 17<sup>th</sup> of November, 2020. The meeting was conducted electronically via GoToMeeting in accordance with PA 228 of 2020.

The meeting was called to order by the Chairperson. The Board indicated where they were physically located at the time of the meeting as follows:

PRESENT: Jim Nash, Oakland County Water Resources Commissioner, participating from Farmington Hills, Michigan.

David Woodward, Chairperson of the Oakland County Board of Commissioners, participating from Royal Oak, Michigan.

Helaine Zack, Chairperson of the Finance Committee, Oakland County Board of Commissioners, participating from Huntington Woods, Michigan.

Minutes of the meeting held October 27, 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.

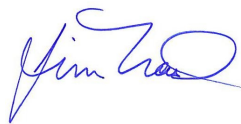
A request for reimbursement of the Evergreen Farmington Fund in the amount of \$33,415.26 (as attached) was presented. It was moved by Zack, supported by Nash, to reimburse the Evergreen Farmington Fund in the amount of \$33,415.26.

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 Ms. Zack and Mr. Woodward.

ADOPTED: Yeas - 3  
Nays - 0

There being no further business, the meeting was adjourned.



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Jim Nash, Chairperson

STATE OF MICHIGAN                    )  
  )SS.  
COUNTY OF OAKLAND                )

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board of the Birmingham CSO Drain, Oakland County, Michigan, held on the 17<sup>th</sup> day of November, 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 the Birmingham CSO Drain Drainage District.



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Jim Nash, Chairperson

Dated: November 30, 2020

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

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

*Sj Phelps*

**DATE:** December 15, 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 December 10, 2020

G/L Date	Ref No.	Paid To	For	Amount
	TBP	ICS Integration Services LLC	Invoice # 1783 - Contracted Services	\$ 4,578.00
	TBP	ICS Integration Services LLC	Invoice # 1833.- Contracted Services	1,744.00
			Total	<u>\$ 6,322.00</u>

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

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

**DATE:** December 15, 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 December 10, 2020.

<u>Date</u>	<u>Ref No.</u>	<u>For</u>	<u>Amount</u>
11/30/20	JE# 347530	November 2020 Storm Water Flow Charges RTB Capacity Use (O & M Credit)	\$33,415.26
			<u>\$33,415.26</u>

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

## **AGENDA**

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

December 15, 2020

1. Call meeting to order
2. Approve minutes of meeting of November 17, 2020
3. Public Comments
4. Present request for reimbursement of the Evergreen Farmington Fund in the amount of \$42,173.67
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn



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

November 17, 2020

A meeting of the Drainage Board for the Bloomfield Village CSO Drain was held at 2:00 p.m. on the 17<sup>th</sup> of November, 2020. The meeting was conducted electronically via GoToMeeting in accordance with PA 228 of 2020.

The meeting was called to order by the Chairperson. The Board indicated where they were physically located at the time of the meeting as follows:

PRESENT: Jim Nash, Oakland County Water Resources Commissioner, participating from Farmington Hills, Michigan.

David Woodward, Chairperson of the Oakland County Board of Commissioners, participating from Royal Oak, Michigan.

Helaine Zack, Chairperson of the Finance Committee, Oakland County Board of Commissioners, participating from Huntington Woods, Michigan.

Minutes of the meeting held October 27, 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.

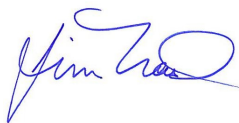
A request for reimbursement of the Evergreen Farmington Fund in the amount of \$42,173.67 (as attached) was presented. It was moved by Zack, supported by Nash, to reimburse the Evergreen Farmington Fund in the amount of \$42,173.67.

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 Ms. Zack and Mr. Woodward.

ADOPTED: Yeas - 3  
Nays - 0

There being no further business, the meeting was adjourned.



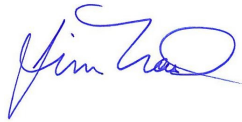
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Jim Nash, Chairperson

STATE OF MICHIGAN                     )  
  )SS.  
COUNTY OF OAKLAND                 )

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board of the Bloomfield Village CSO Drain, Oakland County, Michigan, held on the 17<sup>th</sup> day of November, 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 the Bloomfield Village CSO Drain Drainage District.



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Jim Nash, Chairperson

Dated: November 30, 2020

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

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

*Sj Phelps*

**DATE:** December 15, 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 December 10, 2020.

<u>Date</u>	<u>Ref No.</u>	<u>For</u>	<u>Amount</u>
11/30/20	JE# 347530	November 2020 Storm Water Flow Charges RTB Capacity Use (O & M Credit)	\$42,173.67
			<u>\$42,173.67</u>

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

## **AGENDA**

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

December 15, 2020

1. Call meeting to order
2. Approve minutes of meeting of November 17, 2020
3. Public Comments
4. Present Memorandum from John Basch, Senior Attorney, dated December 15, 2020, recommending the Board retain Cushman & Wakefield to appraise the billboard property and provide current market value(s) to be used for outdoor advertising structures at a cost of not less than \$5,000 nor more than \$9,000 and prepare a written report within 45 days of its engagement
5. Present Memorandum from Mary Koeger, P.E., Operations Engineer, dated December 15, 2020 recommending the Board approve the allocation of \$49,000 in Capital Improvement funds for the Drainage District Biodrying Study
6. Present Memorandum recommending the Board approve the Fishbeck Engineering Work Order for the Drainage District Administration Building Renovation and Addition Project in the amount of \$12,842
7. Present Construction Estimate No. 38 for Toolles Contracting Group LLC in the amount of \$120,275.25
8. Present request for Board approval of payment of invoices from the Construction Fund in the amount \$17,944.96
9. Present request for Board approval of payment of invoices and reimbursement of the Drain Revolving Fund from the Maintenance Fund in the amount of \$370,240.49
10. Other business
11. Approve pro rata payment to Drainage Board members
12. Adjourn

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

November 17, 2020

A meeting of the Drainage Board for the Clinton River Water Resource Recovery Facility was held at 2:00 p.m. on the 17<sup>th</sup> of November, 2020. The meeting was conducted electronically via GoToMeeting in accordance with PA 228 of 2020.

The meeting was called to order by the Chairperson. The Board indicated where they were physically located at the time of the meeting as follows:

PRESENT: Jim Nash, Oakland County Water Resources Commissioner, participating from Farmington Hills, Michigan.

David Woodward, Chairperson of the Oakland County Board of Commissioners, participating from Royal Oak, Michigan.

Helaine Zack, Chairperson of the Finance Committee, Oakland County Board of Commissioners, participating from Huntington Woods, Michigan.

Minutes of the meeting held October 27, 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.

Engineering Work Order No. D-426 for CDM Smith for the Biosolids Handling and Septage Receiving Facility in the amount of \$265,570 was presented. It was moved by Zack, supported by Woodward, that the Engineering Work Order be approved in the amount of \$265,570 as presented.

ADOPTED: Yeas - 3  
Nays - 0

A request for Board approval of payment of invoices from the Construction Fund in the amount of \$1,540 (as attached) was presented. It was moved by Zack, supported by Woodward, that the invoices in the amount of \$1,540 be paid as presented.

ADOPTED: Yeas - 3  
Nays - 0

A request for Board approval of payment of invoices and reimbursement of the Drain Revolving Fund from the Maintenance Fund in the amount of \$86,518.73 (as attached) was presented. It was moved by Zack, supported by Woodward, that the invoices in the amount of \$86,518.73 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 Ms. Zack and Mr. Woodward.

ADOPTED: Yeas - 3  
Nays - 0

There being no further business, the meeting was adjourned.



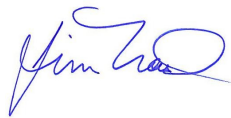
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Jim Nash, Chairperson

STATE OF MICHIGAN                    )  
  )SS.  
COUNTY OF OAKLAND                )

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board of the Clinton River Water Resource Recovery Facility, Oakland County, Michigan, held on the 17<sup>th</sup> day of November, 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 the Clinton River Water Resource Recovery Facility.



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Jim Nash, Chairperson

Dated: November 30, 2020



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

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

**FROM:** John Basch, Senior Attorney

**SUBJECT:** Three Existing Billboard Leases

**DATE:** December 15, 2020

When the Clinton River Water Resources Recovery Facility Drainage District became the owner of the City of Pontiac wastewater treatment plant and its associated property, it became the landlord for several existing leases between the city and various private companies. Most of those original leases have since expired and have been replaced with new leases containing terms, conditions, and rates more favorable to the drainage district. Three leases, however, have not yet expired and continue with the same terms, conditions, and rates as originally adopted approximately 15 years ago.

Although these three leases are separate and distinct, their terms, conditions, rates, and tenant, Outfront Media, LLC., are identical. Each lease involves a single outdoor advertising structure, i.e. a billboard.

The lease rate for each billboard property has been on a graduated scale with an increase of \$1,000 per year reaching its current rate of \$21,000 apiece per year.

Outfront Media has proposed entering into three new 10-year agreements at the same \$21,000 apiece rate but with smaller increases of \$300 per year. It cites the coronavirus pandemic and various other reasons for the proposed lower rate of increases.

Lacking expertise in this somewhat esoteric exercise, staff requests the Board retain the services of Cushman & Wakefield, a firm with considerable experience working with other Oakland County departments, at a cost of not less than \$5,000 nor more than \$9,000 to develop an appraisal for all three lease properties. The appraisal will be in accordance with the Uniform Standards of Professional Appraisal Practice, and the Code of Ethics and Certification Standards, and will provide staff with a determination of the fair market value of the property when used for outdoor advertising structures, and a written report within 45 days of its engagement.

**Requested Action: Retain Cushman & Wakefield to appraise the property and provide current market value(s) to be used for outdoor advertising structures at a cost of not less than \$5,000 nor more than \$9,000 and prepare a written report within 45 days of its engagement.**

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

**TO:** Jim Nash, Chairman  
Clinton River Water Resource Recovery Facility Drainage Board

**FROM:** Mary Koeger, P.E., Operations Engineer

**SUBJECT:** CRWRRF – Biodrying Study

**DATE:** December 15, 2020

The Clinton River Water Resource Recovery Facility (CRWRRF) currently produces approximately 14,000 wet tons per year of 32% TS Class A dewatered biosolids cake. This product is being land applied at a cost of \$50 per ton or approximately \$700,000 annually. In an effort to reduce the land application cost, Jacobs submitted a proposal (copy attached) to conduct a demonstration study within the existing biosolids storage building to evaluate the potential for biodrying of dewatered cake at 60%. This has the potential to reduce the biosolids cake produced to around 8,000 tons annually, which would result in a savings of approximately \$300,000 annually and develop other possible uses for the biosolids product that could reduce product management and land application costs.

The Jacobs' pilot project evaluation includes planning, design, start-up, monitoring, testing, project management, quality control and final report. The cost from Jacobs to complete this study is \$39,000. WRC work includes procuring and setting up equipment, pile construction, and all operation and sampling test costs. WRC costs are expected to total to \$10,000. The total cost to perform this study is \$49,000. This total does not include any potential future construction or design costs.

Jacobs' Engineering Costs	\$ 39,000
<u>WRC Labor and Equipment Costs</u>	<u>\$ 10,000</u>
<b>Total Project Cost</b>	<b>\$ 49,000</b>

We recommend proceeding with the Biodrying Study with Jacobs (CH2M).

**Requested Action: Approve the allocation of \$49,000 in Capital Improvement funds for this project.**

**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: CRWRRF Administration Building Renovation and AdditionTO: Fishbeck Thompson Carr and Huber Inc DATE: December 01, 2020**DESCRIPTION****Additional Design Services**

This engineering work order is an authorization for the following additional engineering design services to Fishbeck Thompson Carr and Huber Inc for the CRWRRF Administration Building Renovation and Addition Project.

Provide additional services for design revision and preparation of plans and specifications related to full-service lab changes and removal and replacement of the parking lot as part of the CRWRRF Administration Building Renovation and Addition as described in the attached Fishbeck letter dated November 11, 2020. The total authorization for this engineering work order is \$12,842 and is authorized under the design task of the contract. This effort 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 \$215,237.

RECOMMENDED Date: 12/02/2020ACCEPTED Date: 12/02/2020

By: Razik Alsaigh  
Razik Alsaigh, P.E.  
Project Engineer

By: Fishbeck Thompson Carr and Huber Inc  
Fishbeck Thompson Carr and Huber Inc

APPROVED Date: Dec 4, 2020

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

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

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

November 11, 2020  
Project No. 180804 CRWRRF Renovation and Addition

Razik Alsaigh  
Project Engineer  
Clinton River Water Resources  
155 N. Opdyke Rd.  
Pontiac, MI 48342

### **Additional Professional Services**

Dear Razik:

I am writing at your request to outline the additional services performed by Fishbeck during the design and construction of the renovation and addition to the Clinton River Water Resources Recovery Facility Administration Building.

Our team had incorporated the desired layout for the lab which had been provided to us by the Water Resources lab team. That design utilized the existing rooms for the Lab (Room 131), Drinking Water Chemist (Room 132), and Samples (Room 133). The requested revised design is shown on the attached 60% Construction Drawing submission dated January 15, 2019. Shortly after this meeting, we were informed that the lab was to change to be a full service lab, and a new design was presented to us. That design expanded the Lab 131 to the front wall, and created smaller rooms for the Drinking Water Chemist 132, and Samples 133. This required removing a load bearing wall, and reworking the information on the architectural, structural, mechanical, and electrical engineering drawings. The requested revised design is shown on the attached 90% Construction Drawing submission dated February 18, 2019 attached. The professional fees associated with these changes total Eleven Thousand Nine Hundred Two Dollars (\$11,902.00).

During the removal and replacement of the parking lot, it was discovered that the sub-soil conditions west of the building were not suitable for the installation of the new parking lot surface. Our civil team provided a design to address this unknown condition consisting of installing a 6" underdrain set in 6A stone to drain off the excess water in the soils, and installing a Tensar geogrid to stabilize the soils to allow the installation the parking lot. This design is shown on the attached response to RFI 33. The professional fees associated with these changes total Nine Hundred Forty Dollars (\$940.00).

Please let me know if you have any questions, or if you require any further information. Thank you for considering compensating Fishbeck for these additional professional services.

Sincerely,

  
Michael T. Van Goor, AIA

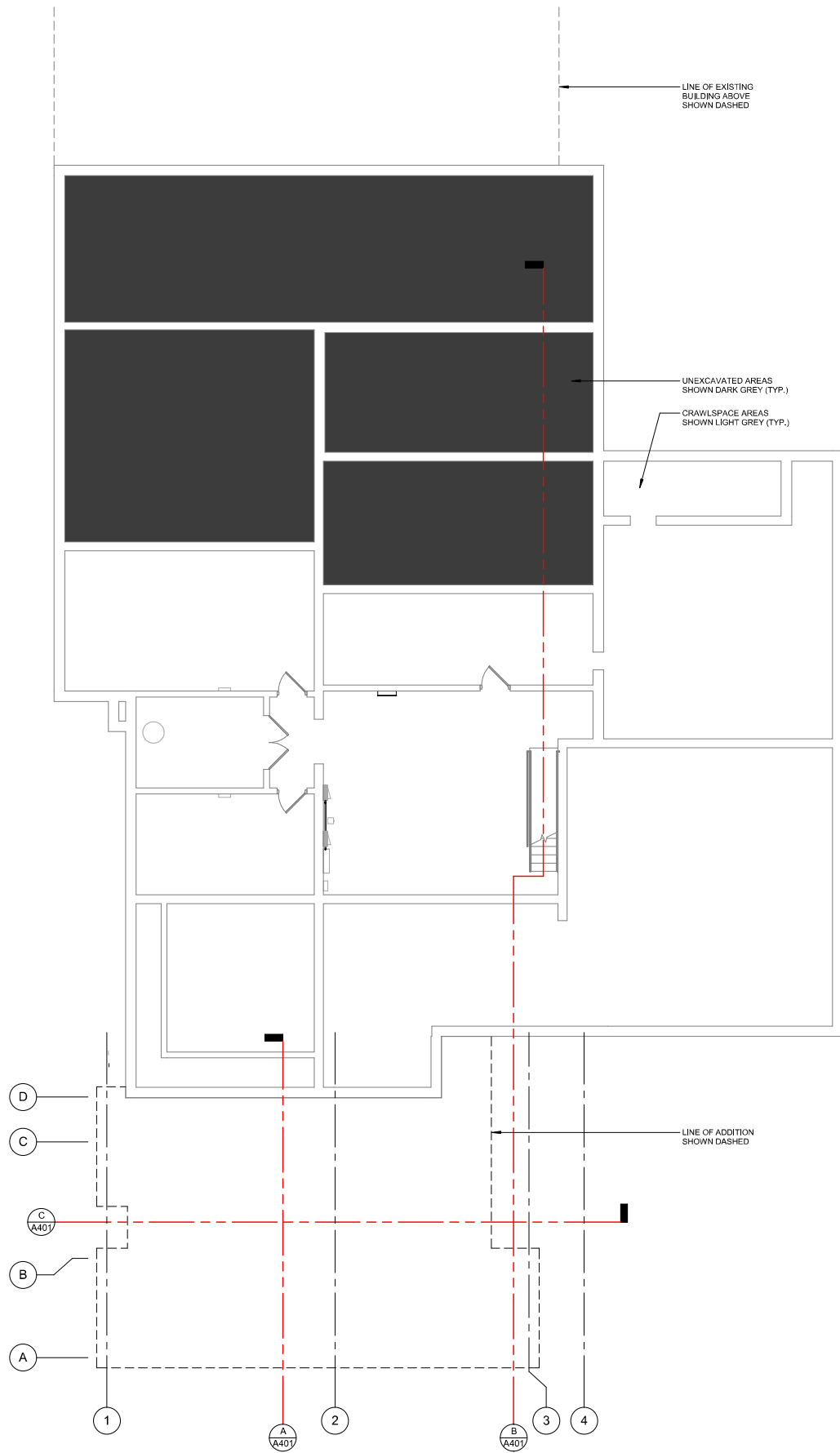
Attachments

By email

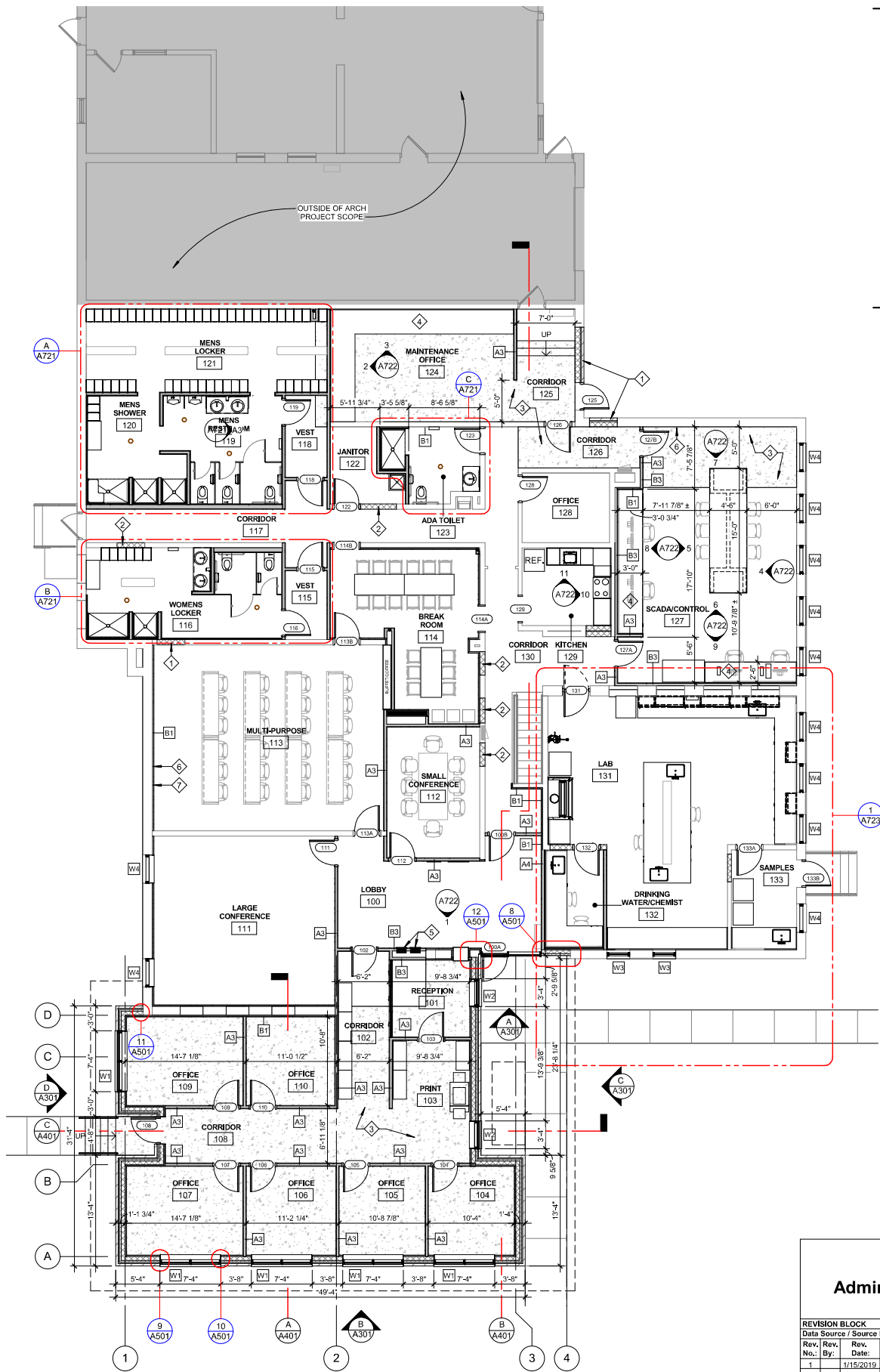
Copy: Juliet Jakobowski Maes



PLOT INFO: 2/18/2019 4:10:00 PM C:\Work\Revit\2017\_A\_180804\_updwk.rvt



**BASEMENT PLAN**  
SCALE: 1/8" = 1'-0"



**FIRST FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

## NOTES

- NOTE NUMBER 1.
- NOTE NUMBER 2.

## KEY NOTES

- INFILL EXISTING OPENING WITH SALVAGED STRUCTURAL GLAZED TILE (INTERIOR) TO MATCH ADJACENT COLOR AND BRICK VENEER (EXTERIOR) TO MATCH EXISTING.
- INFILL EXISTING OPENING WITH SALVAGED STRUCTURAL GLAZED TILE TO MATCH ADJACENT COLOR
- NEW CONCRETE FLOOR SLAB - SEE STRUCTURAL
- PLASTIC LAMINATE COUNTER - SEE ELEVATIONS ON SHEET A722
- RELOCATED FAUX METERS - SEE DEMOLITION PLAN AD201, KEYNOTE 7
- PROVIDE FIVE 4'-0"W X 6'-0" MAGNETIC GLASS MARKER BOARDS CENTERED ON WALL
- PROVIDE 16'-0" RETRACTABLE PROJECTION SCREEN CENTERED ON WALL

Oakland County Pontiac - Clinton River WRRF Administration Building Renovation and Addition BASEMENT AND FIRST FLOOR PLAN			
REVISION BLOCK			
Data Source / Source Date:			
Rev.	Rev.	Rev.	Description
No.	By	Date	
1		1/15/2019	60% REVIEW
2		2/18/2019	90% REVIEW
ORIG. DATE: 2/18/2019			
SCALE: AS SHOWN			
DESIGNED BY:			
DRAWN BY: WPS			
WRC WATER RESOURCES COMMISSIONER Jim Nash		155 N OPDYKE ROAD PONTIAC, MICHIGAN 48342 SHEET NO.: A101	

**frch**  
engineers  
scientists  
architects  
constructors





Frank Rewold & Son, Inc.  
303 E. 3rd Street  
Suite 300  
Rochester, Michigan 48307  
Phone: (248) 651-7242

Project: 10743 - CRWRRF Administration Building  
155 North Opdyke Road  
Michigan 48342

Parking Lot Sub-soil Issue

TO:	Katrina Vavere (Fishbeck, Thompson, Carr & Huber, Inc)	FROM:	Steve Miller (Frank Rewold and Son, Inc.) 303 E. Third Street Rochester, Michigan 48307
DATE INITIATED:	09/13/2019	STATUS:	Open
LOCATION:	Parking Lot	DUE DATE:	09/18/2019
PROJECT STAGE:	Course of Construction	COST CODE:	
SUB JOB:		SCHEDULE IMPACT:	Yes (Unknown)
COST IMPACT:	Yes (Unknown)	SPEC SECTION:	
DRAWING NUMBER:		REFERENCE:	
LINKED DRAWINGS:			
RECEIVED FROM:			
COPIES TO:			

Razik Alsaigh (Oakland County Water Resources Commissi), Matthew DelPup (Frank Rewold and Son, Inc.), Kyle Jobin (Frank Rewold and Son, Inc.), Steve Miller (Frank Rewold and Son, Inc.)

Question from Steve Miller (Frank Rewold and Son, Inc.) at 10:49 AM on 09/13/2019

The sub-soil condition for the parking lot appears to be deficient. Provide direction.

Awaiting an Official Response

All Replies:

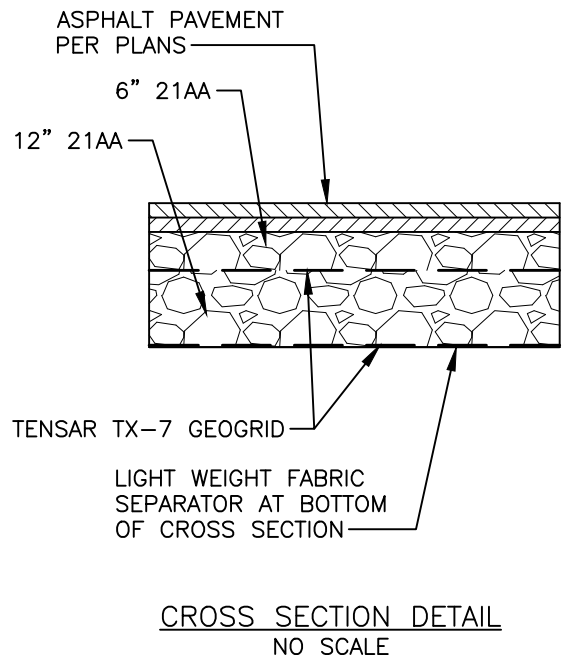
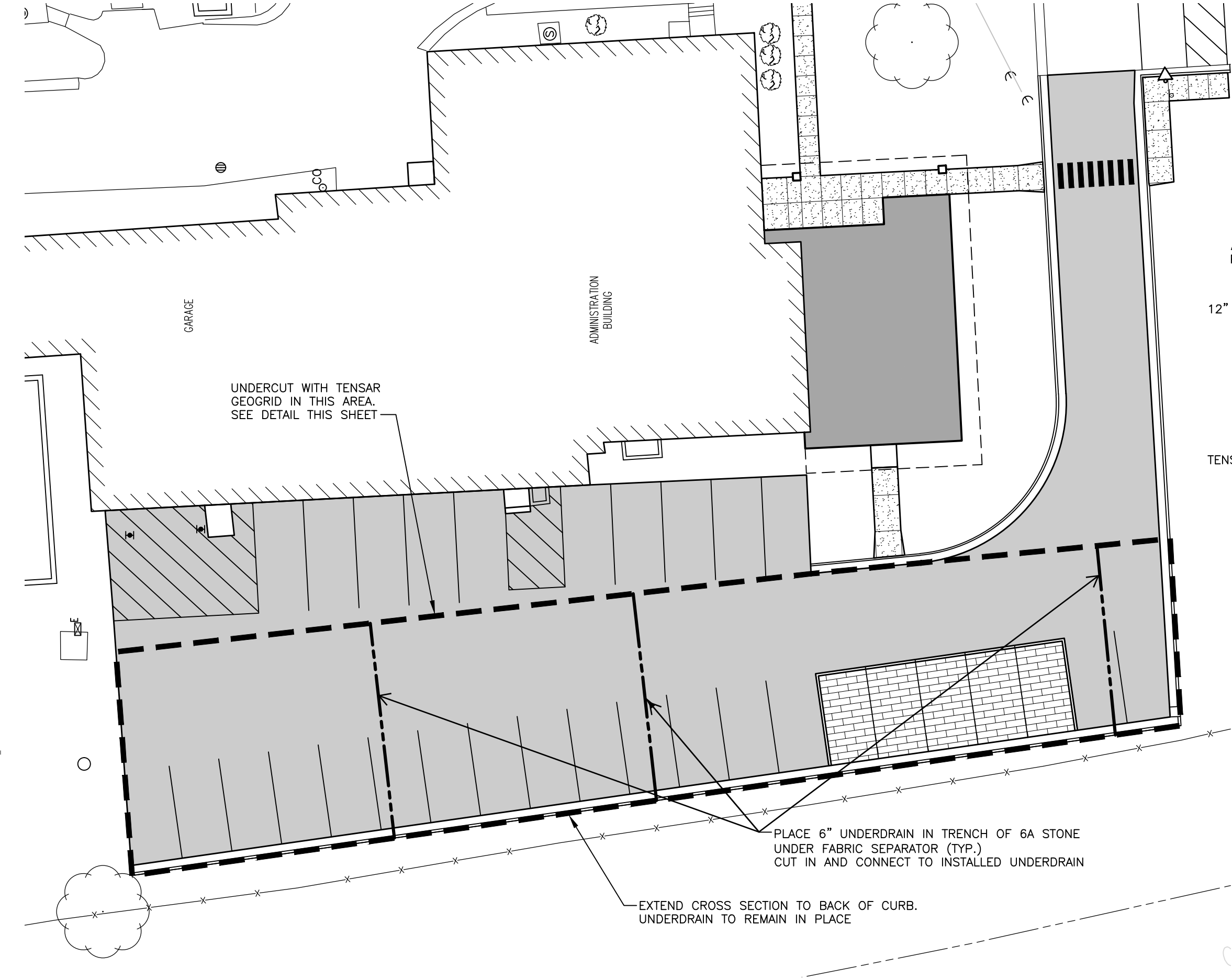
See attached figure for  
recommended direction

Mike Leppek  
BY

09/18/19  
DATE

COPIES TO

PLOT INFO: Z:\2018\180804\CAD\SUPPORT\CIVIL\OCWRC DETAILS\SRF1 033\_FIGURE.DWG LAYOUT: 1 DATE: 9/18/2019 TIME: 3:47:30 PM USER: ML2



fishc&h

engineers

scientists

architects

constructors

fishbeck, thompson,  
carr & huber, inc.

Hard copy is  
intended to be  
11"x17" when  
plotted. Scale(s)  
indicated and  
graphic quality may  
not be accurate for  
any other size.

**Oakland County WRC**  
Pontiac, Michigan  
**Pontiac WRRF Administrative Building Addition**

PROJECT NO.

180804

FIGURE NO.

1



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

Regular Construction Estimate No. 38

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

Contractor

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

Department No.: 6010101  
Fund No.: 84686  
Project No.: 10000002181  
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: September 25, 2019  
Extended to: January 6, 2020

Original Contract Amount: \$32,370,771.00

Previous Change Orders: \$1,234,027.75  
Numbers: #1 through 43

Change Orders This Estimate: \$0.00  
Numbers: None

Total Net Change Orders: \$1,234,027.75

Adjusted Contract Amount: \$33,604,798.75 ✓

Sub-Total To Date: (Sheet 2 of 2 Column 7) \$33,464,959.79

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

Gross Estimate: (Work in Place) 99.58% \$33,464,959.79

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  
265 days (January 3, 2020 to October 31, 2020  
excluding 37 COVID19 days) \$530,000.00

Less Amount to be Reserved \$636,119.77

Total Amount Allowed To Date: \$31,820,040.02

Less Previous Estimates: \$31,699,764.77 ✓

Net Payment Request To Be Paid To Contractor: \$120,275.25 ✓

Reserve Payment to Contractor \$0.00

Balance of Contract To Date \$ 139,838.96 Accounting Auditor: *jls* 11/23/20 ✓

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: \$946,800.00 ✓

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

Amount of Current Reserve: \$636,119.77

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

Date: *11/23/2020*

Recommended by: *Ed Smith*  
CDM Smith

Date: 11/23/2020

Approved by: *Gary Nigro*  
Gary Nigro, Chief Engineer

Date: Nov 25, 2020

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

Date: 11/30/2020

Regular Construction Estimate No. 38

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

*Sj Phelps*

**DATE:** December 15, 2020

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

	Ref No.	For	Amount
CDM Smith Michigan, Inc	TBP	Invoice # 43 - Engineering Admin - 10/04/20 - 11/07/20 - Proj 1-2181	17,874.96
Dickinson Wright PLLC	TBP	Invoice # 1528905 - Legal Services - 10/31/20 - Proj #1-2181	70.00
		<b>Total for Project # 1-2181</b>	<b>\$ 17,944.96</b>

**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 *SjPhelps*  
OCWRC Accounting

**DATE:** December 15, 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 November 11, 2020 to December 11, 2020.

Payable To	Ref No.	For	Amount
USA Blue Book	Nov 2020 Pcard	Pcard - Lab Supplies	\$ 1,124.43
USA Blue Book	Nov 2020 Pcard	Pcard - Lab Supplies	1,712.45
USA Blue Book	Nov 2020 Pcard	Pcard - Lab Supplies	2,002.85
USA Blue Book	Nov 2020 Pcard	Pcard - Lab Supplies	1,617.00
Grainger	Nov 2020 Pcard	Pcard - Materials and Supplies	1,121.30
Grainger	Nov 2020 Pcard	Pcard - Materials and Supplies	2,208.00
Cech Corporation	Nov 2020 Pcard	Pcard - Materials and Supplies	1,375.50
EZAutomation.net	Nov 2020 Pcard	Pcard - Materials and Supplies	1,270.94
Grainger	Nov 2020 Pcard	Pcard - Materials and Supplies	1,445.98
State of Michigan	V # 1485973	Invoice # 10592544 - NPDES Annual Permit Fee	13,000.00
Hubbell Roth & Clark Inc	V # 1481681	Invoice # 0182538 - Engineering Services - 9/30/20	1,118.24
PVS Technologies Inc	TBP	Invoice # 277743 - Chemical Treatment	2,142.72
PVS Technologies Inc	TBP	Invoice # 277927 - Chemical Treatment	4,087.68
PVS Technologies Inc	TBP	Invoice # 278346 - Chemical Treatment	2,162.88
PVS Technologies Inc	TBP	Invoice # 278428 - Chemical Treatment	3,917.76
PVS Technologies Inc	TBP	Invoice # 278574 - Chemical Treatment	2,036.16
JCI Jones Chemicals Inc	TBP	Invoice # 838167 - Chemical Treatment	2,507.40
JCI Jones Chemicals Inc	TBP	Invoice # 839153 - Chemical Treatment	1,805.00
JCI Jones Chemicals Inc	TBP	Invoice # 839192 - Chemical Treatment	2,446.92
Polydyne Inc	TBP	Invoice # 1480636 - Chemical Treatment	46,245.60
Polydyne Inc	TBP	Invoice # 1493146 - Chemical Treatment	14,904.00
Polydyne Inc	TBP	Invoice # 1495193 - Chemical Treatment	32,572.80
Waste Management	TBP	Invoice # 8480775-1714-4 - Garbage & Rubbish Disposal	1,987.39
Waste Management	TBP	Invoice # 8480776-1714-2 - Garbage & Rubbish Disposal	2,307.52
Waste Management	TBP	Invoice # 8469936-1714-7 - Garbage & Rubbish Disposal	1,146.61
Waste Management	TBP	Invoice # 8469937-1714-5 - Garbage & Rubbish Disposal	1,686.14
D3W Industries	TBP	Invoice # 2290 - Material and Supplies	11,550.00
D3W Industries	TBP	Invoice # 2303 - Material and Supplies	4,935.00
D3W Industries	TBP	Invoice # 2309 - Material and Supplies	5,775.00
D3W Industries	TBP	Invoice # 2326 - Material and Supplies	5,775.00
Hach	TBP	Invoice # 12194678 - Contracted Services	1,329.00
Nationwide Construction Group	TBP	Invoice # 2033105 - Contracted Services	1,447.50
Cambi Inc	TBP	Invoice # 609810-SP-001 - Materials and Supplies	3,383.25
Thundermop Maintenance	TBP	Invoice # 201108 - Janitorial Services - November 2020	1,120.00
Tetra Tech, Inc	TBP	Invoice # 51674345 - Chemical Treatment	1,163.50
<b>Subtotal</b>			<b>\$ 186,431.52</b>
Sigma Associates Inc	TBP	Invoice # 576.000-0009305 - Contracted Services - 9/27/20 - 10/31/20 - Proj# 1-2922	\$ 5,497.63
<b>Subtotal - Project 1-2922</b>			<b>\$ 5,497.63</b>
Process Piping & Equipment	TBP	Invoice # 1 - Contracted Services - 09/30/20 - Proj 1 - 3244	\$ 156,000.00
<b>Subtotal - Project 1-3244</b>			<b>\$ 156,000.00</b>
Primodel US Inc	TBP	Invoice # 2020-0066 - Contracted Services - Proj # 1-3064	\$ 1,725.00
<b>Subtotal - Project 1-3064</b>			<b>\$ 1,725.00</b>

Ch2m Hill Engineers Inc

TBP

Invoice # 683676CH014 - Professional Services - 10/30/20 - Proj# 1-3246

\$ 20,586.34

<b>Subtotal - Project 1-3246</b>	<b>\$</b>	<b>20,586.34</b>
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<b>Total</b>	<b>\$</b>	<b>370,240.49</b>
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## **5. Hamilton Relief Drain**

## **AGENDA**

### **DRAINAGE BOARD HAMILTON RELIEF DRAINS**

December 15, 2020

1. Call meeting to order
2. Approve minutes of meeting of September 22, 2020
3. Public Comments
4. Present Construction Estimate No. 6 for Zito Construction Group in the amount of \$6,024.10
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

September 22, 2020

A meeting of the Drainage Board for the Hamilton Relief Drain was held at 2:00 p.m. on the 22<sup>nd</sup> of September, 2020. The meeting was conducted via GoToMeeting in accordance with the Governor's Executive Orders due to the ongoing COVID-19 pandemic. Commissioner Nash read a brief statement regarding the current health crisis and its impact on the Chapter 20 meetings, which can be found in its entirety under "Drainage District Policy".

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

Minutes of the meeting held January 28, 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. 3 for Zito Construction Group for a net increase in the amount of \$6,024.10 (as attached) was presented. It was moved by Zack, supported by Woodward, to approve Change Order No. 3 for a net increase in the amount of \$6,024.10 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 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 Hamilton Relief Drain, Oakland County, Michigan, held on the 22<sup>nd</sup> day of September, 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 the Hamilton Relief Drain Drainage District.



---

Jim Nash, Chairperson

Dated: October 2, 2020



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

Regular Construction Estimate No. 6

August 1, 2018 to November 30, 2020

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

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

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

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

Original Contract Amount:	\$596,146.00
Previous Change Orders: Numbers: Change Order #1 and #2	\$19,455.25
Change Orders This Estimate: Numbers: Change Order #3	\$6,024.10
Total Net Change Orders:	\$25,479.35
Adjusted Contract Amount:	\$621,625.35

Sub-Total To Date: \$621,625.35

Less Deductions: \$0.00

Gross Estimate: (Work in Place) 100.00% \$621,625.35

Less Amount Reserved: (0.9903087% of Contract Total) \$6,156.01

Total Amount Allowed To Date: \$615,469.34

Less Previous Estimates: \$609,445.24

Net Payment Request To Be Paid To Contractor: \$6,024.10

Reserve Payment to Contractor \$0.00

Balance of Contract To Date \$ - Accounting Auditor:

Amount To Be Reserved (From Above) \$6,156.01

Less Previous Transfers To Reserve: \$6,156.01

Amount of Current Transfer: (\$0.00)

Prepared by: \_\_\_\_\_  
Craig Tiell - Project Engineer

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

Recommended by: \_\_\_\_\_  
Aseel A. Putros, P.E. - Consultant 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. 6

## **6. Hayward Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE HAYWARD DRAIN**

December 15, 2020

1. Call meeting to order
2. Approve minutes of meeting of November 17, 2020
3. Public Comments
4. Present Memorandum from Jeffrey Parrott, Right of Way Supervisor, recommending the Board approve the Easement Use Agreement and authorize the Chairperson to execute it to accommodate the request from Bloomfield Capital Group, LLC
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

November 17, 2020

A meeting of the Drainage Board for the Hayward Drain was held at 2:00 p.m. on the 17<sup>th</sup> of November, 2020. The meeting was conducted electronically via GoToMeeting in accordance with PA 228 of 2020.

The meeting was called to order by the Chairperson. The Board indicated where they were physically located at the time of the meeting as follows:

PRESENT: Jim Nash, Oakland County Water Resources Commissioner, participating from Farmington Hills, Michigan.

David Woodward, Chairperson of the Oakland County Board of Commissioners, participating from Royal Oak, Michigan.

Helaine Zack, Chairperson of the Finance Committee, Oakland County Board of Commissioners, participating from Huntington Woods, Michigan.

Minutes of the meeting held February 28, 2017 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.

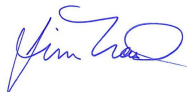
A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$5,896 for the Hayward Drain (as attached) were presented. It was moved by Zack, supported by Woodward, to adopt the Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$5,896 as presented.

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 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 Hayward Drain, Oakland County, Michigan, held on the 17<sup>th</sup> day of November, 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 the Hayward Drain Drainage District.



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Jim Nash, Chairperson

Dated: November   30  , 2020

**OAKLAND COUNTY  
WATER RESOURCES COMMISSIONER**

**MEMORANDUM**

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

**FROM:** Jeffrey S. Parrott, Right of Way Supervisor

**SUBJECT:** Bloomfield Township 329 Enterprise Court – Easement Use Agreement

**DATE:** December 15, 2020

Bloomfield Capital Group, LLC. is proposing to construct a concrete dumpster pad, screen walls, wooden gates, and related appurtenances within an existing easement for the Hayward Drain. Staff has no objection to the construction of these improvements provided an Easement Use Agreement is executed between Bloomfield Capital Group, LLC. and the Drainage District. The subject property is located north of West Square Lake Road, east of Franklin Road in Section 4 of Bloomfield Township. The existing easement is for the construction, operation and maintenance of a portion of the Hayward Drain.

Attached are the following documents for your review:

- Easement use agreement executed by Bloomfield Capital Group, LLC.
- Certificate of Liability Insurance naming the Hayward Drainage District as an additional named insured.
- Drainage easement as recorded in Liber 7023, Page 292, O.C.R.

**Recommendation: Approve the Easement Use Agreement and authorize the Chairperson to execute it to accommodate the request from Bloomfield Capital Group, LLC.**

## EASEMENT USE AGREEMENT

This Agreement made and entered into this 13 day of November, 2020 (“Effective Date”) by and between **Bloomfield Capital Group, LLC** a Michigan limited liability company, whose address is 7091 Orchard Lake Road, Suite 230, West Bloomfield Michigan 48322 (“Owner”) and the **HAYWARD DRAIN DRAINAGE DISTRICT**, a Michigan Statutory Corporation, acting through the Drainage Board for the **HAYWARD DRAIN** (“Drain”) pursuant to Chapter 20 of Act No. 40 of the Public Acts of 1956, as amended (Michigan Drain Code), ( the “District”), whose address is the Office of the Oakland County Water Resources Commissioner(“WRC”), One Public Works Drive, Waterford, Michigan, 48328-1907.

### WITNESSETH:

**WHEREAS, Owner** is the owner of certain property as tenants by the entirety, said property being more particularly described as:

The West 1/2 of Lot 12, all of Lots 13 and 14, and the East 90 feet of Lot 15 of **BLOOMFIELD HILLS RESEARCH INDUSTRIAL PARK** according to the plat thereof recorded in Liber 183 of Plats, Pages 14, 15, 16 and 17 of Oakland County Records.

*Commonly known as: 329 Enterprise Court, Bloomfield Hills, Michigan 48302*  
*Tax Parcel No. 19-04-351-042*

**WHEREAS**, there is located over said property permanent easement for storm drainage purposes, said easement having been granted to the “District” as recorded in Liber 7023, pages 292-297, Oakland County Records; and,

**WHEREAS, Owner** acknowledges and accepts the rights of the **District** in permanently maintaining control and usage of said easement; and

**WHEREAS, Owner** desires to construct a concrete dumpster pad, brick texture poured concrete dumpster/screen wall, wooden gates and related appurtenances hereinafter referred to as the “**Improvements**” within said easement; and

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

---

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

- 1) **Owner** shall be allowed to construct and maintain the **Improvements** within said easement as depicted in the attached site plan prepared by Fenn & Associates, Inc, Job No. C20-024.O2X, dated September 17, 2020 and approved by the **District**. Said **Improvements** to be used for Owner’s purposes, and shall further be subject to the following conditions:
  - a) **Owner** shall not change or modify the **Improvements** located within the easement without prior approval from the **District**.
  - b) **Owner** shall notify the **District** 48 hours prior to construction to arrange inspection as may be necessary.
  - c) **Owner** shall obtain a permit from the **District** for said construction.
  - d) **Owner** shall not change the grade within the easement to interfere with or impede the flow of surface drainage.
  - e) **Owner** shall have the limits of the easement staked by a qualified surveyor prior to construction.
- 2) The **Improvements** and all related appurtenances shall be subject to the paramount rights of the **District**.
- 3) Except as permitted by this agreement, the **Owner** shall not build or convey to others permission to build any permanent structures in or on the easement area. As used herein, the term “**permanent structures**” shall include, by way of example but not limitation, buildings, additions, retaining walls or other



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

- 4) **Owner** shall indemnify the **District** against, and shall forever hold the **District** harmless from, any and all losses, liability, actions, claims, demands, costs, expenses, injuries or damages of any kind whatsoever which may be brought or made which shall be caused by or arise out of any use of the easement by **Owners**, employees, contractors, guests, visitors, invitees, licensees, and any other person coming upon the premises.
- 5) **Owner** shall acknowledge and further hold harmless the **District** for any and all costs and expenses incurred in and arising out of any use of the easement for any of the purposes legally allowed arising out of the existence of said easement.
- 6) **Owner** shall be responsible for any damage to **District's** facility due to construction or future use of the **Improvements**.
- 7) Prior to the Effective Date of this agreement and continuing for the duration of construction of the **Improvements**, **Owner** shall obtain and maintain General Liability Insurance with minimum limits of \$500,000 per occurrence and \$500,000 dollars aggregate protecting the **District** from any and all claims arising from the construction of the **Improvements**. The **Owner** will provide proof of insurance to **District**.
- 8) **Owner** and/or its contractor shall be responsible for and obtain any permits, approvals or clearances as may be required from federal, state or local authorities, the public utilities and private property owners.
- 9) The terms, conditions, covenants and other provisions contained in this Agreement shall run with the land and be binding upon and inure to the benefit of each of the parties hereto and their respective agents, successors and assigns; further, this instrument shall be recorded in the Register of Deeds Office, Oakland County, Michigan, as a condition precedent to effectuation of the Agreement.

IN WITNESS WHEREOF, the **Owner** has hereunto affixed his signature this 13 day of November, A.D., 2020.

**OWNER**

**Bloomfield Capital Group, LLC**, a Michigan limited liability company

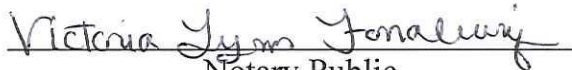
By:   
**Biljana Trujillo**  
Its: President and CEO

**ACKNOWLEDGEMENT**

STATE OF MICHIGAN     )  
  )SS:  
COUNTY OF OAKLAND    )

On this 13 day of November, 2020, before me, a Notary Public in and for said County, personally appeared **Biljana Trujillo** to me personally known, who being by me severally duly sworn did say that they are the President and CEO of Bloomfield Capital Group, LLC, a Michigan limited liability company, a corporation created and existing under the laws of the State of Michigan, and that the said Easement Grant was signed and sealed in behalf of said corporation by authority of its Board of Directors, and the said President and CEO acknowledged the said instrument to be the free act and deed of the said limited liability company.



  
Notary Public

Wayne County, Michigan

My Commission Expires: 5/20/2026

Acting in County of Wayne

IN WITNESS WHEREOF, the **District** has hereunto affixed its signature this \_\_\_\_\_ day of \_\_\_\_\_ A.D., 20\_\_\_\_.

**HAYWARD DRAIN  
DRAINAGE DISTRICT**

By: \_\_\_\_\_  
Jim Nash, Oakland County  
Water Resources Commissioner  
Its: Chairperson

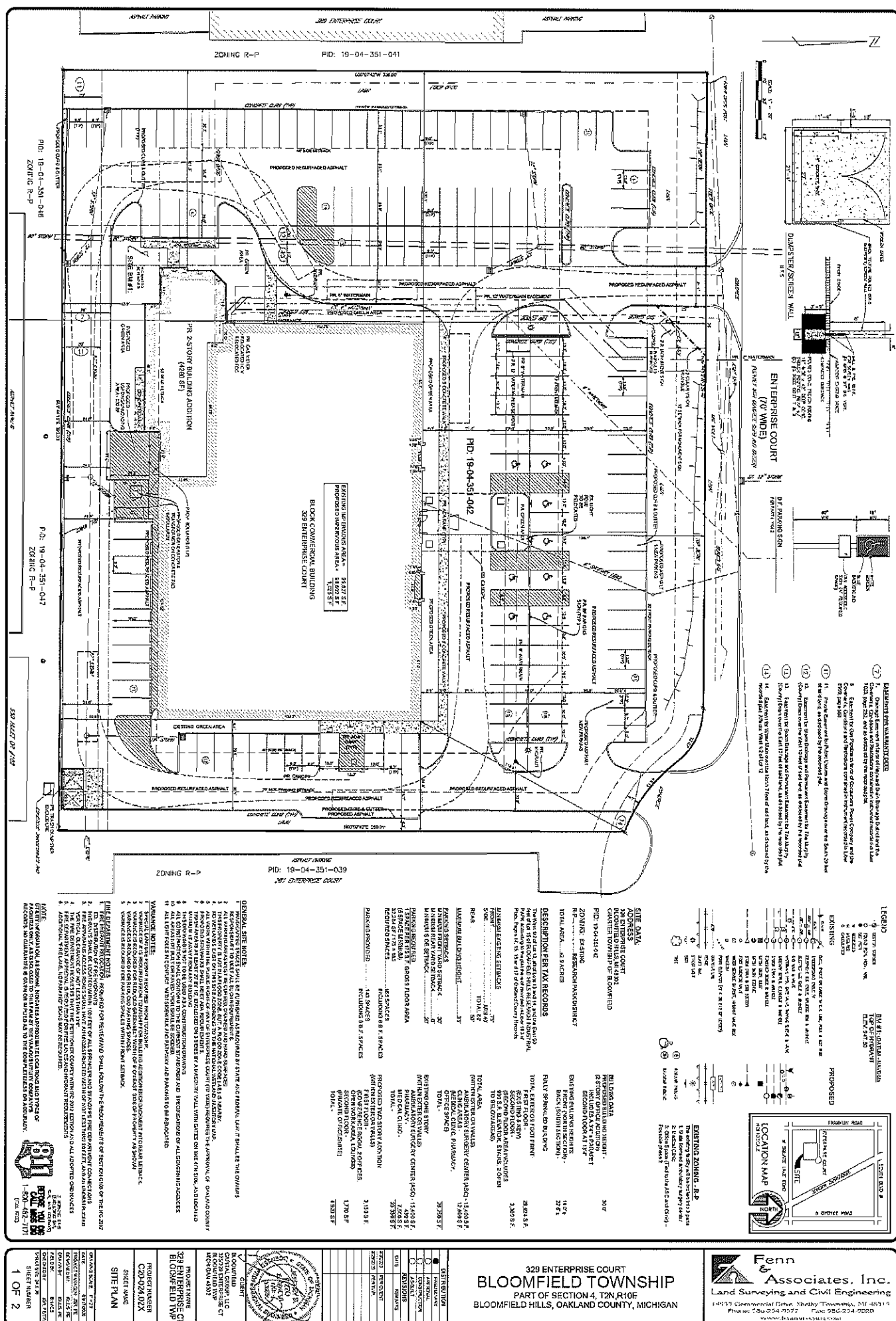
**ACKNOWLEDGEMENT**

STATE OF MICHIGAN     )  
  )SS:  
COUNTY OF OAKLAND    )

On this \_\_\_\_\_ day of \_\_\_\_\_, A.D. 2020, before me a Notary Public in and for said County appeared Jim Nash, who being by me duly sworn did say the he is the Chairperson of the HAYWARD DRAIN DRAINAGE BOARD for the HAYWARD DRAIN DRAINAGE DISTRICT and that this Agreement was signed and sealed on behalf of the Board and District.

\_\_\_\_\_  
Notary Public  
\_\_\_\_\_  
County, \_\_\_\_\_  
My Commission Expires: \_\_\_\_\_

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



SEPT. 26 1977

LIBER 7023 PAGE 292

77 95891

DRAINAGE EASEMENT

210/4  
THIS INDENTURE, made this 23 day of September, 1977, by and between THE DETROIT EDISON COMPANY, a corporation organized and existing concurrently under the laws of the states of Michigan and New York, of 2000 Second Avenue, Detroit, Michigan 48226, hereinafter referred to as "EDISON", and the HAYWARD DRAIN DRAINAGE DISTRICT, acting through the Drainage Board for the HAYWARD DRAIN under Chapter 20 of Act No. 40 of the Public Acts of 1936, as amended, whose address is No. 1 Public Works Drive, Pontiac, Michigan, 48054, hereinafter referred to as "DISTRICT".

WITNESSETH

EDISON, in consideration of the sum of One Thousand Seven Hundred and no/100 (\$1,700.00) Dollars and the performance by DISTRICT of the conditions hereinafter contained on its part to be performed, does, by these presents, grant to DISTRICT the right, privilege, power and authority for the purposes hereinafter set forth to enter upon land in the Township of Bloomfield, County of Oakland, and State of Michigan, described as:

Part of the S.W. 1/4 of Section 4, T. 2 N., R. 10 E., Bloomfield Twp., Oakland Co. Michigan, is described as: Beginning at a point located N 00°11'00" E 1272.76 ft., and S 89°40'55" E 53.0 ft. from the S.W. cor. of said Section 4; thence N 00°11'00" E 330.0 ft.; thence N 89°40'57" W 53.0 ft. to the W. line of said Section 4 (Franklin Rd); thence along the said West line of Section 4, N 00°11'00" E 384.25 ft.; thence N 89°30'30" E 1356.08 ft. to a point on the Western line of "Bloomfield Highlands Subdivision" as recorded in Liber Page 37, Oakland Co. Records; thence S 01°12'33" W along the said subdivision line 733.50 ft.; thence N 89°40'55" W 1289.86 ft. to the point of beginning. Containing 22.02 acres of land.

A PERMANENT EASEMENT DESCRIBED AS FOLLOWS:

The South 28.0 ft. of the East 585.0 ft. of the above-described property.

A TEMPORARY EASEMENT DESCRIBED AS FOLLOWS:

The South 35.0 ft. of the East 615.0 ft., except that part previously described as permanent easement, of the above-described property.

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

4300  
1300 chg  
220 rev  
9/11/77  
Dick Wolf. Drain

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Subject to easements and restrictions of record and zoning ordinances, if any.

Subject to a certain Mortgage and Deed of Trust between EDISON and Bankers Trust Company, a New York corporation, Trustee, dated October 1, 1924, and all supplemental indentures thereto.

Also subject to a Land Contract dated February 9, 1973 between Samuel S. and Minnie Summer to The Detroit Edison Company, recorded in Liber 6067, Page 727; Seller's interest subsequently assigned as found in Assignment recorded in Liber 6067, P. 732, Oakland County Records, dated February 9, 1973.

(1) This easement is granted for the sole purpose of constructing, operating, maintaining, repairing and/or replacing on the land hereinabove described, a drain, connections, and equipment therefor, with such rights of ingress and egress and other incidental rights as are reasonably necessary.

(2) After any maintenance or repair of said drain, DISTRICT at its own expense, shall restore the above-described easement area to the then condition immediately preceding the maintenance or repair operations, the determination of said condition being in the sole opinion of EDISON.

(3) The right to use the above-described premises for the aforesaid purposes shall be subject to the paramount rights of EDISON to utilize said land for its purposes.

(4) It is an express condition of this grant that DISTRICT shall, prior to the commencement of any work involving the repair or maintenance of the drain, notify Mr. Emzie Williams of the System Construction Department of The Detroit Edison Company, located at 522 Service Building, 2000 Second Avenue, Detroit, Michigan 48216, telephone 237-7687, not later than seven (7) days before entry to the premises for said purpose, except in the case of emergency, the DISTRICT will notify by telephone.

(5) In the event that DISTRICT shall abandon the use of said land for the purposes herein stated, its rights hereunder shall immediately terminate and DISTRICT in the event it is requested to do so, shall, at its own cost and expense, remove said drain and restore said premises to their original condition as near as possible.

(6) DISTRICT for itself and its contractors expressly covenants and agrees that in the operation and maintenance of said drain, that it will at all times maintain at least fifteen (15') feet of vertical clearance and twenty (20') feet of horizontal clearance between any type of construction equipment, including cranes, derricks,

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or lifting devices, which it will place upon or use upon said land and the conductors of EDISON's lines for the transmission or distribution of electricity.

(7) Notwithstanding the purpose for which this easement has been granted, no use of the land shall be made which interferes with the operation and maintenance of the overhead or underground lines of The Detroit Edison Company for the transmission and distribution of electricity situated on said land now existing or to be erected in the future. In the event DISTRICT requests and EDISON agrees to the relocation of its facilities, the total cost of such relocation work is to be borne by the DISTRICT.

(8) The grant of this Drainage Easement by EDISON is expressly conditioned upon the DISTRICT in the event it takes bids, that such bids that are accepted shall include provisions for the contractor or contractors to assume complete contractual liability insurance, and indemnify and hold EDISON, and all of its officers, agents and employees, harmless for any and all detriments, damages, losses, claims, demands, suits, costs or other expenses, whether to any person, or property or both, arising directly or indirectly out of or in connection with Contractor's or any of its Subcontractor's performance of the contract or in connection with the performance of the work, to which EDISON or any of its officers, agents or employees may be subject or put by reason of any act, action, neglect or omission on the part of the DISTRICT, its Contractors or Subcontractors or EDISON, or any of their respective officers, agents and employees. In addition, the DISTRICT, its contractor or contractors shall assume all risks entailed in the maintenance or repair of said drainage project on said premises.

In the event that any suit or other proceedings for any claim, loss, damage, cost, charge, or expense, arising directly or indirectly out of or in connection with Contractor's or any of its Subcontractor's performance of the contract or in connection with the performance of the work, is brought against EDISON or any of its officers, agents or employees, CONTRACTOR hereby covenants and agrees to assume the defense thereof, notwithstanding any claim or assertion that EDISON or its officers, agents or employees were solely negligent and to defend the same at CONTRACTOR'S own expense and to pay any and all actual costs, charges, attorney's fees, and other actual expenses that may be incurred by EDISON or any of its officers, agents or employees in any such suit or other proceedings.

Further, said contractor or contractors if engaged by the DISTRICT, to maintain or repair said drain, shall maintain during the entire period of maintenance and repair, public liability insurance

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LEDER 7023 PAGE 295

acceptable to EDISON with coverage including the contractual liability assumed hereunder the limits of at least Five Hundred Thousand and no/100 (\$500,000.00) Dollars for injury or death to one person and One Million and no/100 (\$1,000,000.00) Dollars for injury or death to two or more persons resulting from any one accident, and Five Hundred Thousand and no/100 (\$500,000.00) Dollars for damage to property resulting from any one accident. Such insurance shall include EDISON as an additional insured.

(9) No entry is to be made on the aforementioned land of EDISON by DISTRICT or its contractor or contractors unless, prior to such entry, evidence of the aforementioned contractor or contractors' insurance is delivered to the Director of Insurance of The Detroit Edison Company at 2000 Second Avenue, Detroit, Michigan 48226. However, it is expressly understood that the liability imposed upon said contractor or contractors shall be in no way restricted or released by reason of such insurance.

(10) It is further understood that DISTRICT will contractually require its contractors to also indemnify and hold harmless The Detroit Edison Company.

(11) Nothing in this instrument shall be construed as a warranty of the title of EDISON to the land herein described, and DISTRICT expressly releases EDISON from all liability of every kind, arising out of any failure or defect in the title to said land.

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed by their duly authorized officers on the day and year first above written.

In the Presence of:

John A. Haddow  
JOHN A. HADDOW  
Katherine Hayes  
T. KATHERINE HAYES

THE DETROIT EDISON COMPANY  
(Land Contract Vendor)

BY: Robert A. Tawakul  
Robert A. Tawakul, D.P., M.E. & R/W Dept.

BY: Irene C. Kata  
IRENE C. KATA ASST. SECRETARY

(ACCEPTED)

In the Presence of:

James E. Pemberton  
James E. Pemberton  
James W. Isaacs  
James W. Isaacs

HAYWARD DRAIN DRAINAGE DISTRICT

BY: George W. Kuhn  
George W. Kuhn, Chairman

BY: \_\_\_\_\_

DATE: August 29, 1977



SEPT. 26 1977

INSTR. 7023 PAGE 296

STATE OF MICHIGAN }  
COUNTY OF WAYNE } 88

On this 23rd day of September, 1977, before me the  
subscriber, a Notary Public in and for said County, personally  
appeared Robert R. Tewksbury and Irene C. Kate  
to me known, who, being by me duly sworn did say they are the  
Dir., R/E & R/W Dept. and Assistant Secretary of THE DETROIT  
EDISON COMPANY, a corporation organized and existing concurrently  
under the laws of Michigan and New York, and that the seal affixed  
to said instrument is the corporate seal of said corporation, and  
that said instrument was signed in behalf of said corporation, by  
authority of its Board of Directors, and Robert R. Tewksbury  
and Irene C. Kate acknowledged said instrument to be  
the free act and deed of said corporation.

T. KATHERINE HAYES  
Notary Public, Oakland County, Mich.  
Acting in Wayne  
My Comm. Expires February 10, 1980

D. Katherine Hayes  
Notary Public, Oakland County, Mich.  
My Commission Expires: February 10, 1980

PREPARED BY: James J. Daskaloff  
2000 Second Avenue  
Detroit, Michigan 48226

SEPT. 26 1977

LIBER 7023 PAGE 297

ACKNOWLEDGMENT

STATE OF MICHIGAN }  
COUNTY OF OAKLAND } SS.

On this 29th day of August A.D., 1977,  
before me, a Notary Public in and for said County appeared  
George W. Kuhn  
to me personally known, who being known by me duly sworn did  
say that ~~XXXXXX~~ he is the Chairman ~~XXXX~~  
~~XXXXXXXXXX~~ of the Wayward Drain Drainage District,  
a Michigan Corporation, and that said instrument was  
signed in behalf of said Corporation by authority of its  
Board of Directors and the said George W. Kuhn  
acknowledged said instrument to be the free act and deed of  
said Corporation.

Sandra J. Lafreese  
Notary Public  
Sandra J. Lafreese  
Oakland County, Michigan  
My Commission Expires: 1-28-80





## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
11/16/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Ackley-Peters-Haubert Ins Serv 125 South Main Street P O Box 129 Eaton Rapids, MI 48827-0129 Ryan C Scott	517-663-2651	<b>CONTACT NAME:</b> Ryan C Scott <b>PHONE (A/C, No, Ext):</b> 517-663-2651 <b>FAX (A/C, No):</b> 517-663-8181 <b>E-MAIL ADDRESS:</b> rscott@aph-insurance.com
<b>INSURED</b> Bloomfield Capital Group LLC c/o Vision Quest Consulting 4729 Wendirck Dr West Bloomfield, MI 48323		<b>INSURER(S) AFFORDING COVERAGE</b> INSURER A : Auto Owners Insurance Co. INSURER B : INSURER C : INSURER D : INSURER E : INSURER F :
		<b>NAIC #</b> 18988

## COVERAGES

## CERTIFICATE NUMBER:

## REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	X		06986460	08/24/2020	08/24/2021	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 3,000,000 PRODUCTS - COMP/OP AGG \$ 3,000,000
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			5298647000	08/24/2020	08/24/2021	EACH OCCURRENCE \$ 3,000,000 AGGREGATE \$ 3,000,000
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y <input checked="" type="checkbox"/> N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A				PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The following are additional insureds for general liability: Hayward Drain Drainage District and its owners, directors, officers, consultants, agents and employees.

## CERTIFICATE HOLDER

## CANCELLATION

<b>OAKLCOW</b>  Oakland County Water Resources Commissioner's Office 1 Public Works Dr Waterford, MI 48328	<b>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.</b>  <b>AUTHORIZED REPRESENTATIVE</b> Ryan C Scott
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## **7. Schmid Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE SCHMID DRAIN**

December 15, 2020

1. Call meeting to order
2. Approve minutes of meeting of November 17, 2020
3. Public Comments
4. Present Memorandum from Geoff Wilson, P.E., Drain Maintenance Engineer, and Drew Sandahl, P.E., Assistant Chief Engineer – Pump Maintenance, recommending the Board decline the tabled Rowe Engineering proposal dated October 9, 2020, and authorize Rowe Engineering to proceed per the proposal dated December 2, 2020 as part of their existing as-needed engineering services contact 4869 for engineering services on the Schmid Drain
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

November 17, 2020

A meeting of the Drainage Board for the Schmid Drain was held at 2:00 p.m. on the 17<sup>th</sup> of November, 2020. The meeting was conducted electronically via GoToMeeting in accordance with PA 228 of 2020.

The meeting was called to order by the Chairperson. The Board indicated where they were physically located at the time of the meeting as follows:

PRESENT: Jim Nash, Oakland County Water Resources Commissioner, participating from Farmington Hills, Michigan.

David Woodward, Chairperson of the Oakland County Board of Commissioners, participating from Royal Oak, Michigan.

Helaine Zack, Chairperson of the Finance Committee, Oakland County Board of Commissioners, participating from Huntington Woods, Michigan.

Minutes of the meeting held July 20, 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 Geoff S. Wilson, P.E. Drain Maintenance Engineer, and M. Drew Sandahl, P.E. Assistant Chief Engineer - Pump Maintenance, dated November 17, 2020 recommending the Board authorize Rowe Engineering to provide as-needed engineering services was addressed. After brief discussion, Mike McMahon requested the Board table further discussion and decision on the Memorandum until the next meeting. It was moved by Zack, supported by Woodward, to table consideration of the Memorandum until the next meeting.

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 Ms. Zack and Mr. Woodward.

ADOPTED: Yeas - 3  
Nays - 0

There being no further business, the meeting was adjourned.

A handwritten signature in blue ink, appearing to read "Jim Nash", is positioned above a horizontal line.

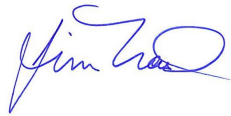
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Jim Nash, Chairperson

STATE OF MICHIGAN                    )  
  )SS.  
COUNTY OF OAKLAND                )

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board of the Schmid Drain, Oakland County, Michigan, held on the 17<sup>th</sup> day of November, 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 the Schmid Drain Drainage District.



---

Jim Nash, Chairperson

Dated: November 30, 2020



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

**TO:** Jim Nash, Chairman – Schmid Drain Drainage Board

**FROM:** Geoff S. Wilson, P.E. – Drain Maintenance Engineer  
M. Drew Sandahl, P.E. – Assistant Chief Engineer – Pump Maintenance

**SUBJECT:** Schmid Drain South Pump Station Valve Vault

**DATE:** December 15, 2020

The Oakland County Water Resources Pump Maintenance Unit observed leaking within a valve vault at the Schmid Drain south pump station. Rowe Engineering was the design engineer for the original construction of the drain (established in 1999) and was requested for a proposal to evaluate the leak, to provide recommendations/plans for repair, and to assist with procurement for contractor services. Rowe's services would be completed during the upcoming winter and spring, and would allow staff to procure contracted services to make the necessary repairs.

At the November 17, 2020 meeting of the Schmid Drain Drainage Board, the board tabled the October 9, 2020 proposal from Rowe Engineering. The tabling was requested by the City of Keego Harbor. Staff has received a modified proposal from Rowe Engineering to better separate design services from construction phase services. This authorization would allow Rowe Engineering to proceed with the evaluation and recommendation portion of the engineering work. Additional services will be required during the project portion of the work, which will be part of a separate board authorization.

**Recommendation: Decline the tabled Rowe Engineering proposal dated October 9, 2020, and Authorize Rowe Engineering to proceed per the proposal dated December 2, 2020 as part of their existing as-needed engineering services contact 4869 for engineering services on the Schmid Drain.**



# ROWE PROFESSIONAL SERVICES COMPANY

*Large Firm Resources. Personal Attention.<sup>sm</sup>*

December 2, 2020

Mr. Drew Sandahl  
Oakland County Water Resource Commissioner  
One Public Works Drive  
Building 95 West  
Waterford, MI 48328

RE: Schmid Drain Pump Station Repair Proposal (Revised)

Dear Mr. Sandahl:

Thank you for providing ROWE Professional Services Company with the opportunity to submit a proposal for the above referenced project. It is our understanding that an existing ductile iron pipe in the valve vault is leaking and that you would like to have construction documents prepared detailing the repair. Based on our recent visit to the site, we were able to observe the leak under pressure and further understand the issues in making the repairs. The spool piece of pipe is leaking at the flange and is located on the outlet side of the pump. The pipe outlet is submerged in Sylvan Lake and there are no valves between the leak and the outlet in the lake to prevent water from flowing back into the valve vault. Based on discussions with staff, we will provide options and construction documents for the chosen option to repair the pipe.

### *Work Plan/Fee*

ROWE will utilize existing as-built drawings to prepare construction plans and specifications to provide to your as-needed contractors for bidding. Based on our conversation, we will add an alternate for the installation of a valve between the valve vault and the outlet to address any future maintenance concerns. The fee does not include preparation of formal bidding documents.

We recognize that this repair needs to be accomplished as soon as possible and during the winter months when the lake level has been lowered. ROWE is prepared to begin working on the project within two weeks of receiving authorization to proceed. Assuming a notice to proceed by December 15, 2020, we anticipate delivering final plans by January 31, 2021.

We propose to complete the work described for the following estimated fees:

Construction Drawings and Specifications	\$9,500.00
--	------------

The scope of work is limited to the tasks presented above which include replacement of the pipe and possibly installation of a new valve. The scope of work does not include the following:

1. Soil borings or geotechnical evaluation.
2. Conducting additional research or developing cost estimates for options.
3. Topographical or boundary survey.
4. Preparation of any permits required for the project.
5. Attendance at a pre-bid meeting.
6. Assistance during construction. ROWE can be available to provide these services on a time and materials basis if desired.
7. Preparation of as-constructed drawings.

Engineering | Surveying | Aerial Photography/Mapping | Landscape Architecture | Planning

Corporate: The ROWE Building, 540 S. Saginaw Street, Suite 200 • Flint, MI 48502 • O (810) 341-7500 • F (810) 341-7573


With Offices In: Farmington Hills, MI • Grayling, MI • Kentwood, MI • Lapeer, MI • Mt. Pleasant, MI • Myrtle Beach, SC

[www.rowepsc.com](http://www.rowepsc.com)

Mr. Drew Sandahl  
December 2, 2020  
Page 2

Thank you for the opportunity. Please contact us at (810) 341-7500 with any questions.

Sincerely,  
**ROWE Professional Services Company**

A handwritten signature in black ink that reads "David E. Richmond, PE". The signature is written in a cursive style with a large "D" and "R".

**David E. Richmond, PE**  
Senior Project Manager

*Having reviewed this proposal, acceptance of this proposal is hereby confirmed. ROWE Professional Services Company is authorized to proceed with the work.*

Accepted by:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Name and Title

## **8. Helaine Zack Drain**

## **AGENDA**

### **DRAINAGE BOARD FOR THE HELAINE ZACK DRAIN**

December 15, 2020

1. Call meeting to order
2. Approve minutes of meeting of September 22, 2010
3. Public Comments
4. Present Special Assessment Resolution
5. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$66,313.10
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

MINUTES OF THE MEETING OF THE DRAINAGE BOARD  
FOR THE HELAINE ZACK DRAIN

September 22, 2020

A meeting of the Drainage Board for the Helaine Zack Drain was held in Waterford, Michigan, on September 22, 2020.

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

The meeting was called to order by the Chairperson. The minutes of the December 17, 2019 meeting of this Board were presented. It was moved by Zack and seconded by Nash and unanimously adopted that the said minutes be approved as presented.

The Chairperson presented proofs of the publication and mailing of the notice of hearing. By unanimous consent the proofs of publication and mailing were placed on file with the Chairperson.

The Chairperson announced that this was the time and place for the meeting of this Board to hear any objections to the proposed drain project, to the petition therefor, and to the matter of assessing the cost of the project to the public corporation heretofore designated by this Board.

There were the following questions and objections: None.

There were the following written objections: None.

The Chairperson declared the hearing closed.

The following resolution was offered by Zack and seconded by Nash:

WHEREAS, a petition was filed with the Oakland County Water Resources Commissioner on September 23, 2019, under the provisions of Chapter 20 of Act 40, Public Acts of Michigan, 1956, as amended, by the City of Auburn Hills, Oakland County, Michigan, petitioning for the consolidation of an intracounty drain as set forth in the petition, consisting of adding a branch to the existing Maplehurst Drain and Drainage District, which proposed drain project is necessary for the public health; and

WHEREAS, the necessary proceedings have been taken in respect to the petition including the holding of a hearing for the purpose of receiving any objections to the proposed drain project, to the petition therefor and to the matter of assessing the cost to the public corporation named in the notice of said hearing.

THEREFORE, BE IT RESOLVED BY THE DRAINAGE BOARD FOR THE HELAINE ZACK DRAIN, as follows:

1. That the petition is sufficient in all respects; that the drain project is practicable and should be constructed; that it has become necessary for the public health to construct the drain project; and that the following public corporation should be assessed for the cost thereof, to-wit:

City of Auburn Hills  
County of Oakland – on account of drainage of county highways

2. That the Chairperson of this Board is hereby authorized and directed to issue on behalf of the Board its final order of determination in accordance with the determinations made in this resolution.

ADOPTED: Yeas – Zack, Nash.

Nays – None.

The Chairperson of the Drainage Board proceeded to execute the Final Order of Determination and after doing so, presented the same to the Drainage Board. The order was executed and dated on September 22, 2020.

It was moved by Zack and seconded by Nash that the Final Order of Determination, In Re Helaine Zack Drain, as this date executed and presented to this Drainage Board by the Chairperson, be and it hereby is confirmed, ratified and approved and ordered filed with the Chairperson on this date.

ADOPTED: Yeas – Zack, Nash.

Nays – None.

The Chairperson announced that this was the time and place set to hear any objections to the apportionment of the cost of the Helaine Zack Drain as tentatively adopted by this Drainage Board on December 17, 2019 and as set forth in the notice of this hearing. The Chairperson presented affidavits of the publication and mailing of the notice of this hearing.

The Chairperson inquired if any public corporation to be assessed or any taxpayer thereof desired to object to the tentative apportionment of the cost of the Helene Zack Drain as set

forth in the resolution of this Board adopted December 17, 2019 and in the notice of this hearing. There were the following objections or questions: None.

The Chairperson declared the hearing closed.

The following resolution was offered by Zack and seconded by Nash:

WHEREAS, the Drainage Board for the Helene Zack Drain, on December 17, 2019, tentatively established the apportionment of the cost of the Helaine Zack Drain, to be borne by the public corporation, as follows:

City of Auburn Hills	98.10%
County of Oakland,	
on account of drainage of county highways	<u>1.90%</u>
	100.00%

; and

WHEREAS, after due notice the Drainage Board met on September 22, 2020 to hear any objections to the apportionment; and

WHEREAS, the apportionment of the cost of the Helaine Zack Drain has been made by taking into consideration the benefits to accrue to the public corporation to be assessed and by taking into consideration the extent to which such public corporation contributes to the conditions which made the Helaine Zack Drain necessary; and

WHEREAS, this Drainage Board has given due and full consideration to all objections offered thereto; and

WHEREAS, the Helaine Zack Drain is necessary for the public health.

NOW, THEREFORE, BE IT RESOLVED BY THE DRAINAGE BOARD FOR THE HELAINE ZACK DRAIN:

1. That the apportionment of cost as above set forth be and the same are fixed and confirmed.
2. That the Chairperson of this Drainage Board is authorized and directed to issue on behalf of the Board its Final Order of Apportionment setting forth the apportionment as herein fixed and confirmed.
3. That all former resolutions and orders of this Board, insofar as the same may be in conflict with the terms of this resolution, are rescinded.

ADOPTED: Yeas – Zack, Nash.



Nays – None.

The Chairperson proceeded to sign the Final Order of Apportionment as directed in the foregoing resolution, and he then presented the order to the Board. The order was dated September 22, 2020.

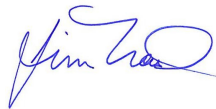
It was moved by Zack and seconded by Nash that the Final Order of Apportionment In Re Helaine Zack Drain, dated September 22, 2020, be approved and filed with the Chairperson.

ADOPTED: Yeas – Zack, Nash.

Nays – None.

Steve Korth presented the Trial Balance report dated September 15, 2020 (as attached) indicating a net cash balance of -\$39,068.17. It was moved by Zack, supported by Nash, to receive and file the updated Trial Balance as provided.

There being no further business to come before the meeting, the meeting was adjourned.

A handwritten signature in blue ink, appearing to read "Jim Zack", is written above a horizontal line.

Chairperson

Dated: September 22, 2020

STATE OF MICHIGAN     )  
                                      ) SS:  
COUNTY OF OAKLAND    )

I hereby certify that the foregoing is a true and complete copy of the minutes of a meeting of the Drainage Board for the Helaine Zack Drain, Oakland County, Michigan, held on September 22, 2020, and that the minutes are on file in the offices of the Oakland County Water Resources Commissioner and are available to the public.

I further certify that notice of the meeting was given in accordance with the Open Meetings Act and the Governor's Executive Order No. 2020-154, as the same has been or may be amended, supplemented, extended or replaced from time to time.



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Chairperson of the Drainage Board

**Resolution for the Helaine Zack Drain  
Close Construction Fund and Establish Maintenance Fund**

WHEREAS, pursuant to Chapter 20, Act 40 of the Public Acts of 1956, the Michigan Drain Code, the Drainage Board, acting upon a petition filed by the City of Auburn Hills for the consolidation of an intracounty drain has adopted a Final Order of Determination adding a branch, also known as the existing Chapter 4 Maplehurst Drain, to the existing Maplehurst Drain and Drainage District, and has named it the Helaine Zack Drain and Drainage District; and

WHEREAS, the Drainage Board has apportioned any cost associated with the Helaine Zack Drain against the City of Auburn Hills and the County of Oakland (the "Public Corporations Assessed") as set forth in the Final Order of Apportionment heretofore filed in the office of the Chairperson.

WHEREAS, the construction of the Helaine Zack Drain is complete, and it has been determined that there is a fund deficit of \$11,102.72 in the Chapter 4 Maplehurst maintenance fund and a deficit of \$43,210.38 in the Maplehurst construction fund; and

WHEREAS, as required by the Drain Code, there is a need to have funds in a maintenance account for the ongoing inspection, repair, and maintenance of the drain and the maintenance fund amount needed is \$12,000; and

WHEREAS, a special assessment in the amount of \$66,313.10 will be presented to the Drainage Board in accordance with the previously adopted Final Order of Apportionment, to eliminate the deficit in the Chapter 4 Maplehurst maintenance fund, eliminate the deficit and close out the Maplehurst Construction Fund, and to establish a Helaine Zack Drain maintenance fund.

THEREFORE, BE IT RESOLVED, the Drainage Board for the Helaine Zack Drain approves the closure of the construction fund (previously known as the Maplehurst Drain) and the establishment of the maintenance fund.

SPECIAL ASSESSMENT ROLL NO. 1  
FOR  
HELAINÉ ZACK DRAIN (FORMERLY KNOWN AS MAPLEHURST DRAIN)  
(An Intra-County Drain in Oakland County, Michigan)

Project:	Close out Construction Fund and Establish Maintenance Fund
Ch 4 Maplehurst Deficit:	\$11,102.72
Construction Fund Deficit:	\$43,210.38
Establish Maintenance Fund:	<u>\$12,000.00</u>
Amount to be Assessed:	\$66,313.10

<u>PUBLIC CORPORATIONS</u>	<u>PERCENTAGES</u>	<u>AMOUNT ASSESSED</u>
City of Auburn Hills	98.10%	\$65,053.15
County of Oakland, on account of drainage to county highway	<u>1.90%</u>	<u>\$1,259.95</u>
	100.00%	\$66,313.10

Assessment Due Date: January 31, 2021

I hereby certify that the foregoing Special Assessment Roll was prepared in accordance with the direction of the Drainage Board for the Helaine Zack Drain and the statutory provisions applicable thereto.

---

Jim Nash  
Chairman of the Drainage Board for the Helaine Zack Drain

The foregoing Special Assessment Roll was approved by the Drainage Board for the Helaine Zack Drain on December 15, 2020.

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Jim Nash  
Chairman of the Drainage Board for the Helaine Zack Drain

**9. City of Pontiac  
Wastewater Treatment Facility**

## **AGENDA**

### **DRAINAGE BOARD FOR THE CITY OF PONTIAC WASTEWATER TREATMENT FACILITY**

December 15, 2020

1. Call meeting to order
2. Approve minutes of meeting of November 17, 2020
3. Public Comments
4. Present request for Board approval of payment of invoices in the amount of \$2,736
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD  
FOR THE CITY OF PONTIAC WASTEWATER TREATMENT FACILITY**

November 17, 2020

A meeting of the Drainage Board for the City of Pontiac Wastewater Treatment Facility was held at 2:00 p.m. on the 17<sup>th</sup> of November, 2020. The meeting was conducted electronically via GoToMeeting in accordance with PA 228 of 2020.

The meeting was called to order by the Chairperson. The Board indicated where they were physically located at the time of the meeting as follows:

PRESENT: Jim Nash, Oakland County Water Resources Commissioner, participating from Farmington Hills, Michigan.

David Woodward, Chairperson of the Oakland County Board of Commissioners, participating from Royal Oak, Michigan.

Helaine Zack, Chairperson of the Finance Committee, Oakland County Board of Commissioners, participating from Huntington Woods, Michigan.

Minutes of the meeting held July 28, 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.

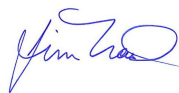
A request for Board approval of payment of invoices in the amount of \$280 (as attached) was presented. It was moved by Zack, supported by Woodward, that the invoices in the amount of \$280 be paid as presented.

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 Ms. Zack and Mr. Woodward.

ADOPTED: Yeas - 3  
Nays - 0

There being no further business, the meeting was adjourned.

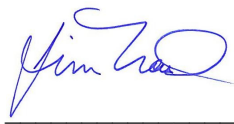


\_\_\_\_\_  
Jim Nash, Chairperson

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 City of Pontiac Wastewater Treatment Facility, Oakland County, Michigan, held on the 17<sup>th</sup> day of November, 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 the City of Pontiac Wastewater Treatment Facility Drainage District.



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Jim Nash, Chairperson

Dated: November   30  , 2020



**MEMO TO:** Mr. Jim Nash, Chairman  
of the Drainage Board for the CITY PONTIAC WWTP DRAIN (Maintenance Fund)

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

*Sj Phelps*

**DATE:** December 15, 2020

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

Payable To	Reference	For	
Dickinson Wright PLLC	TBP	Invoice # 1528967 - Legal Services - 10/31/20 - Featherstone Lease	\$ 2,736.00
<b>Total</b>			<b>\$ 2,736.00</b>

**10. Evergreen-Farmington  
Sanitary Drain**

## **AGENDA**

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

December 15, 2020

1. Call meeting to order
2. Approve minutes of meeting of November 17, 2020
3. Public Comments
4. Present Memorandum from Evans Bantios, P.E., Civil Engineer III, dated December 15, 2020, recommending the Board approve the Engineering Services Agreement for the design of the 8 Mile Outlet Conveyance Project for a not-to-exceed amount of \$762,125
5. Closed session
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

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

November 17, 2020

A meeting of the Drainage Board for the Evergreen-Farmington Sanitary Drain was held at 2:00 p.m. on the 17<sup>th</sup> of November, 2020. The meeting was conducted electronically via GoToMeeting in accordance with PA 228 of 2020.

The meeting was called to order by the Chairperson. The Board indicated where they were physically located at the time of the meeting as follows:

PRESENT: Jim Nash, Oakland County Water Resources Commissioner, participating from Farmington Hills, Michigan.

David Woodward, Chairperson of the Oakland County Board of Commissioners, participating from Royal Oak, Michigan.

Helaine Zack, Chairperson of the Finance Committee, Oakland County Board of Commissioners, participating from Huntington Woods, Michigan.

ABSENT: None.

The meeting was called to order by the Chairperson. The minutes of the August 25, 2020 meeting of this Board were presented. It was moved by Commissioner Zack and seconded by Commissioner Woodward and unanimously adopted that the said minutes be approved as presented.

The Chairperson presented proofs of the publication and mailing of the notice of hearing. By unanimous consent the proofs of publication and mailing were placed on file with the Chairperson.

The Chairperson announced that this was the time and place for the meeting of this Board to hear any objections to the proposed drain project, to the petition therefor, and to the matter of assessing the cost of the project to the public corporation heretofore designated by this Board.

There were the following questions and objections: None.

There were the following written objections: None.

The Chairperson declared the hearing closed.

The following resolution was offered by Commissioner Zack and seconded by Commissioner Woodward:

WHEREAS, petitions were filed with the Oakland County Water Resources Commissioner under the provisions of Chapter 20 of Act 40, Public Acts of Michigan, 1956, as

amended, on July 13, 2020, by the Charter Township of West Bloomfield, Oakland County, Michigan, and on July 20, 2020, by the City of Southfield, Oakland County, Michigan, petitioning for the location, establishment and construction of an intra-county drain project, as set forth in the petitions, which proposed drain project is necessary for the public health; and

WHEREAS, the necessary proceedings have been taken in respect to the petition including the holding of a hearing for the purpose of receiving any objections to the proposed drain project, to the petition therefor and to the matter of assessing the cost to the public corporations named in the notice of said hearing.

THEREFORE, BE IT RESOLVED BY THE DRAINAGE BOARD FOR THE EVERGREEN-FARMINGTON SANITARY DRAIN, as follows:

1. That the petition is sufficient in all respects; that the drain project is practicable and should be constructed; that it has become necessary for the public health to construct the drain project; and that the following public corporations should be assessed for the cost thereof, to-wit:

City of Auburn Hills  
Village of Beverly Hills  
Village of Bingham Farms  
City of Birmingham  
Charter Township of Bloomfield  
City of Bloomfield Hills  
City of Farmington  
City of Farmington Hills  
Village of Franklin  
City of Keego Harbor  
City of Lathrup Village  
City of Orchard Lake Village  
City of Southfield  
City of Troy  
Charter Township of West Bloomfield

2. That the Chairperson of this Board is hereby authorized and directed to issue on behalf of the Board its final order of determination in accordance with the determinations made in this resolution.

ADOPTED: Yeas – Nash, Woodward, Zack.

Nays – None.

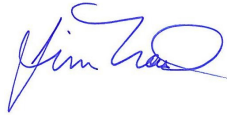
The Chairperson of the Drainage Board proceeded to execute the Final Order of Determination and after doing so, presented the same to the Drainage Board. The order was executed and dated on November 17, 2020.

It was moved by Commissioner Woodward and seconded by Commissioner Zack that the Final Order of Determination, In Re Evergreen-Farmington Sanitary Drain, as this date executed and presented to this Drainage Board by the Chairperson, be and it hereby is confirmed, ratified and approved and ordered filed with the Chairperson on this date.

ADOPTED: Yeas – Nash, Woodward, Zack.

Nays – None.

There being no further business to come before the Board, upon motion by Commissioner Zack, seconded by Commissioner Woodward, and unanimously adopted, the meeting was adjourned.

A handwritten signature in blue ink, appearing to read "Jim Zack", is positioned above a horizontal line.

Chairperson

Dated: November 17, 2020

STATE OF MICHIGAN     )  
                                      ) SS:  
COUNTY OF OAKLAND    )

I hereby certify that the foregoing is a true and complete copy of the minutes of a meeting of the Drainage Board for the Evergreen-Farmington Sanitary Drain, Oakland County, Michigan, held on November 17, 2020, and that the minutes are on file in the offices of the Oakland County Water Resources Commissioner and are available to the public.

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

A handwritten signature in blue ink, appearing to read "Jim Traas", is written above a horizontal line.

Chairperson of the Drainage Board

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

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

**FROM:** Evans Bantios, P.E., OCWRC, Civil Engineer III

**SUBJECT:** Fishbeck Engineering Design Services Proposal and Engineering Services Agreement for the 8 Mile Project

**DATE:** December 15, 2020

This memo accompanies the attached Engineering Services Agreement between Fishbeck and the Evergreen Farmington Sanitary Drain Drainage District. The design of this project will address portions of the items in the Final Order of Determination. These items include improvements to the 8 Mile Pump Station; lining of the 60-inch Sewer, construction of a new 18-inch gravity sewer and modifications to the 8 Mile SSO Chamber. In general, this project will increase the throughput capacity of the 8 Mile Pump Station to allow more flow to reach the Evergreen Farmington Drain system discharge point into the GLWA system. A further explanation of the project is shown below:

**Design Phase**

1. Construct a new approximately 4,800 foot, 18-inch diameter gravity sewer downstream of the 8 Mile Pump Station. All the laterals and sewers currently connected to the 60-inch diameter sewer along this reach of the sewer will be connected to this new sewer. The sewer will connect back into the system upstream of the 8 Mile Pump Station. This will allow a higher hydraulic grade line to be used downstream of the 8 Mile Pump Station.
2. Slip line approximately 3,800 feet of the existing 60-inch Sewer, downstream of the 8 Mile Pump Station along 8 Mile Road with a 54-inch inside diameter material. The new sewer will be able to handle increased internal pressures caused by the higher hydraulic grade line.
3. Modify the 8 Mile SSO Chamber by raising the weir wall and making modifications to the emergency sluice and slide gates.
4. Upgrade Pump No. 3 and replace Pump No. 4 at the 8 Mile Pump Station to allow bypass pumping of flow through the existing 30-inch force main. The bypassing is required to allow the slip lining to occur in the 60-inch Sewer

**Bidding Phase**

1. Fishbeck will assist WRC during the bidding stage. These tasks will include but are not limited to conducting a pre-bid meeting and issuing meeting minutes; responding to contractor questions during the bidding process; preparing necessary addenda; assisting WRC staff in reviewing bids, bid tabulations and references and providing a recommendation of award letter.

Fishbeck already developed the Basis of Design for this project. The executive summary is included with this memo for your review. The design phase of this project will take approximately one year.



The completed design and bid documents are expected to be ready for bid by December of 2021. The cost for the design phase shall not exceed \$731,799. The cost for the bidding phase shall not exceed \$30,326. Additional scope and phase of work will be issued via Engineering Work Order.

**Requested Action: Approve the attached Engineering Services Agreement for the design of the 8 Mile Outlet Conveyance Project for a not-to-exceed amount of \$762,125.**

**ENGINEERING SERVICES AGREEMENT**

**FOR**

**8 MILE ROAD OUTLET CONVEYANCE DESIGN**

**OAKLAND COUNTY, MICHIGAN**

**BETWEEN**

**FISHBECK**

**AND**

**THE EVERGREEN FARMINGTON SANITARY DRAIN  
DRAINAGE DISTRICT**

**BUILDING 95 WEST – ONE PUBLIC WORKS DRIVE  
WATERFORD, MICHIGAN 48328-1907**

The Evergreen Farmington Sanitary Drain Drainage District, One Public Works Drive Bldg. 95 West, Waterford, MI 48328 ("Owner") and ,Fishbeck, 39500 MacKenzie Drive, Suite 100, Novi, MI 48377 ("Engineer") enter into this Engineering Services Agreement ("Agreement"), effective the \_\_\_\_ day of \_\_\_\_\_, 2020.

## **1. DOCUMENTS CONSTITUTING THE AGREEMENT**

The Oakland County Water Resources Commissioner Engineering Services Agreement Standard Terms and Conditions (DC-391 Part B) attached hereto are incorporated into this Agreement by reference. This Agreement is the entire and integrated contract between the Owner and the Engineer and supersedes all prior negotiations, representations, or agreements, whether written or oral. The Engineer's proposal is included as part of the Agreement for reference. The Agreement may only be amended by Engineering Work Orders that have been properly executed by the parties.

## **2. PROPOSED IMPROVEMENTS**

The Owner owns, operates, and maintains the Evergreen Farmington Sanitary Drain Drainage District ("EFSDDD"). The Owner needs to increase the outlet capacity of the EFSDD into the Great Lakes Water Authority (GLWA), and therefore is developing the 8 Mile Road Conveyance (the "Project"), which shall, in general, consist of the following:

**2.1.** The project will require bypassing the flow around the 8 Mile Pump Station (8M PS) during construction. The existing 30-inch force main from the 8M PS to the Evergreen Interceptor will be utilized for bypassing flow. The existing Pump No. 3 will be modified to increase the pump capacity to 30 cfs. Pump No. 4 will be replaced to increase the pump capacity to 30 cfs. The combined capacity for both pumps will be 40 cfs through the 30-inch force main. The increased pump capacity will require improvements to the electrical service, power distribution, and standby power systems to support the pump upgrades at the 8M PS.

**2.2.** The existing 60-inch Sewer downstream of the 8M PS will be slip lined with a 54-inch nominal inside diameter material. The estimated length of slip lining will be approximately 3,800 feet. This will allow an increase in the discharge flow from the 8M PS.

**2.3.** The tributary sewers and laterals connected to the existing 60-inch Sewer will be connected to a new 18-inch local tributary sewer along 8 Mile Road to hydraulically separate the tributary connections downstream of the 8 Mile Pump Station. The length of the sewer will be approximately 4,800 feet long. This will require additional easements to be procured as part of this project.

**2.4.** The existing septage unloading facility adjacent to the 8M PS will be connect to both the proposed slip lined 60" Sewer as well as the 18" local tributary collector sewer. A three-way plug valve will control the discharge point with typical flow diverted to the slip lined 60-inch Sewer. A level sensor will be installed in the slip lined 60-inch sewer and when the water level inside the pipe approaches full it will signal the three-way valve to move and divert flow to the pump station via the collector sewer.

**2.5.** The weir at the Evergreen Emergency SSO Chamber needs to be raised by

approximately 5 feet. This will require removal and reconstruction of the existing monitoring chamber above the overflow portion of the structure. This will require significant traffic control along 8 Mile Road with the potential construction of an additional lane along westbound 8 Mile Road. In addition, improvements will be made to the existing slide and sluice gates to provide additional emergency SSO relieve.

### **3. PROJECT-SPECIFIC SERVICES**

In addition to the standard services required by the Evergreen Farmington Sanitary Drain Drainage District Engineering Services Agreement Standard Terms and Conditions, the Engineer shall provide the Project-Specific services listed below. The Owner may authorize the Engineer to provide Additional Special Services by Engineering Work Order during the Project.

#### **3.1. Design Phase**

**3.1.1.** The Project-Specific services consist of:

**3.1.2.1.** Complete 3D scanning of the interior of the 8M PS and develop a BIM model for construction documents.

**3.1.2.2.** Assist WRC staff in performing draw down flow test for each of the existing five pumps at the 8M PS at different conditions to better determine the existing pump characteristics.

**3.1.2.3.** Perform additional topographical survey of 8 Mile Road from the end of the slip lining to the end of the proposed tributary sewer.

**3.1.2.4.** Survey the existing sewer connections along the proposed tributary sewer collector route and other additional connections upstream of the Evergreen Emergency SSO chamber to verify the proposed sewer and overflow weir elevations. This will be used to confirm the final proposed elevation of the collector sewer.

**3.1.2.5.** Evaluate the existing 8 Mile Pump Station electrical service, power distribution system, and standby power (generator) system and assess its capacity to perform under the proposed operating scenarios and sequences. New Pump No. 3 and 4 will be evaluated for operation on a portable generator. Manual transfer switches and connections provision will be included if applicable.

**3.1.2.6.** Conduct virtual workshop to discuss slip lining materials to include in specifications.

**3.1.2.7.** Develop 30% construction documents for confirmation of concepts, perform internal quality acceptance/quality control (QA/QC), then meet with WRC staff to review. Incorporate WRC comments into the construction documents.

**3.1.2.8.** Evaluate the feasibility of replacing existing Pump No. 4 with a dry pit submersible pump.

**3.1.2.9.** Complete a structural dynamic (harmonic frequency) analysis to evaluate impacts of modifying the existing pump operating speeds on the 8 Mile Pump Station building.

- 3.1.2.10.** Analyze if a magnetic flow meter can be installed in the new chamber downstream of the 8M PS.
- 3.1.2.11.** Identify required temporary and permanent easements and provide WRC staff with easement sketches.
- 3.1.2.12.** Develop 60% construction documents and cost opinion, perform internal QA/QC, then meet with WRC staff to review. Incorporate WRC comments into the construction documents.
- 3.1.2.13.** Prepare permit applications, as necessary, on behalf of WRC. Set up and conduct meetings with individual agencies as needed (City of Southfield, MDOT, EGLE).
- 3.1.2.14.** Submit applications and construction plans for permit approvals.
- 3.1.2.15.** Submit plans to utility agencies for review.
- 3.1.2.16.** Develop project specifications in accordance with WRC standards.
- 3.1.2.17.** Develop 90% construction documents and cost opinion, perform internal QA/QC, then meet with WRC staff to review. Incorporate WRC comments into the construction documents.
- 3.1.2.18.** Provide Engineer's Estimate of Probable Construction Costs.
- 3.1.2.19.** Provide final (100%) construction documents.
- 3.1.2.20.** Fishbeck will have one kickoff meeting, 10 progress meeting and provides additional hours for miscellaneous meetings throughout the project. Fishbeck will provide the Owner an agenda and meeting meetings for each meeting.
- 3.1.2.21.** Fishbeck will evaluate the existing building to see if it meets the National Fire Protection Association 820 code requirements.
- 3.1.2.22.** Perform seven test borings at the approximate locations shown on the attached FKE Engineering Associates proposal. These borings will supplement the investigation conducted as part of the Basis of Design (BOD). Two test borings will be drilled to 35 feet, three borings will be drilled to 30 feet and two borings will be drilled to 25 feet. Test borings will be drilled under the supervision of a field engineer who will direct all drilling operations, record soil and groundwater information, and to modify drilling operations as required to obtain the necessary field information. Samples will be collected at regular depth intervals using the Standard Penetration Test (SPT) method. A ROW permit will be obtained from the MDOT to drill along the 8 Mile Road Right of Way. A lane closure will be required to drill the test borings.
- 3.1.2.23.** Laboratory testing will be conducted on representative samples taken from the borings to assist in the evaluation of the subsurface conditions. Testing will, at a minimum, consist of determining the moisture content, dry density, and unconfined compressive strength tests.

**3.1.2.24.** The geotechnical investigation report will summarize findings and investigation procedures including recommendations and evaluations as they relate to the proposed project. This includes evaluations and recommendations for directional drilling construction methods, temporary earth retention system(s) (TERS). The report will include test boring logs, location plan, and results of laboratory testing.

### **3.2. Bidding Phase**

Fishbeck will assist WRC with the following during the bidding stage of the project:

**3.2.1** Issue construction bidding documents.

**3.2.2** Conduct a pre-bid meeting and issue meeting minutes.

**3.2.3** Respond to contractor questions during the bidding phase.

**3.2.4** Prepare necessary addenda.

**3.2.5** Assist WRC staff in review the bids, bid tabulations, and references.

**3.2.6** Provide a recommendation of award letter.

### **3.3. Construction Phase**

**3.3.1.** The Project-Specific services consist of: *none contemplated*.

### **3.4. Asset Management Services**

**3.4.1.** The Project-Specific services consist of: *none contemplated*.

### **3.5. Construction Surveying, Layout, and Construction Observation**

**3.5.1.** The Project-Specific services consist of: *none contemplated*.

### **3.6. Resident Project Representative**

**3.6.1.** The Project-Specific services consist of: *none contemplated*.

## **4. COMPENSATION FOR ENGINEERING SERVICES**

### **4.1. Design Phase**

**4.1.1.** The Engineer's compensation for Preliminary Engineering (Study) Phase services **shall not exceed \$731,799** and shall be based on the attached Fishbeck WRC Special Billing Rates

for 2020 and 2021.

**4.1.2.** Mark-up on Engineer's Consultant's charges and reimbursable expenses required to complete the work shall not exceed 10%.

**4.1.3.** Payment to the Engineer is conditioned upon receipt of Project funds by the Owner.

**4.1.4.** Provided that Project funds have been received by the Owner, monthly progress payments shall be made to the Engineer in response to an invoice presented to the Owner by the Engineer. Such monthly progress payments shall be made within thirty (30) days after the invoice is approved by the Owner.

**4.1.5.** The Owner may require the Engineer to support its invoices with data and documentation for each charge.

## **4.2. Bidding Phase**

**4.2.1.** The Engineer's compensation for Design Phase services **shall not exceed \$30,326** and shall be based on the attached Fishbeck WRC Special Billing Rates for 2020 and 2021.

**4.2.2.** Mark-up on Engineer's Consultant's charges and reimbursable expenses required to complete the work shall not exceed 10%.

**4.2.3.** Payment to the Engineer is conditioned upon receipt of Project funds by the Owner.

**4.2.4.** Provided that Project funds have been received by the Owner, monthly progress payments shall be made to the Engineer in response to an invoice presented to the Owner by the Engineer. Such monthly progress payments shall be made within thirty (30) days after the invoice is approved by the Owner.

**4.2.5.** The Owner may require the Engineer to support its invoices with data and documentation for each charge.

## **4.3. Construction Phase, Asset Management Services, Construction Surveying Layout, Observation, Resident Project Representative Services, Engineering Redesign and Additional Special Services**

**4.3.1.** The Owner may issue an Engineer Work Order for services during the Construction Phase, Asset Management Services, Construction Surveying Layout, Observation, Resident Project Representative Services, Engineering Redesign and Additional Special Services and the Engineer's compensation for providing such services shall be based on the attached Fishbeck WRC Special Billing Rates for 2020 and 20201.

**4.3.2.** Mark-up on Engineer's Consultant's charges and reimbursable expenses required to complete the work shall not exceed 10%.

**4.3.3.** Payment to the Engineer is conditioned upon receipt of Project funds by the Owner.

**4.3.4.** Provided that Project funds have been received by the Owner, monthly progress payments shall be made to the Engineer in response to an invoice presented to the Owner by

the Engineer. Such monthly progress payments shall be made within thirty (30) days after the invoice is approved by the Owner.

**4.3.5.** The Owner may require the Engineer to support its invoices with data and documentation for each charge.

#### **4.4. Termination for Convenience**

**4.4.1.** Should the Owner terminate the Engineer for convenience, the Engineer will be paid for services satisfactorily performed or furnished in accordance with this Agreement through date of termination plus actual expenses directly caused by the termination. The Engineer will not be paid for unperformed services, poorly performed services, or anticipated profit on unperformed services.

**4.4.2.** Payment to the Engineer is conditioned upon receipt of Project funds by the Owner.

**4.4.3.** Provided that Project funds have been received by the Owner, monthly progress payments shall be made to the Engineer in response to an itemized invoice presented to the Owner by the Engineer. Such monthly progress payments shall be made within thirty (30) days after the invoice is approved by the Owner.

**4.4.4.** The Owner may require the Engineer to support its invoices with data and documentation for each charge.

**4.4.5.** The Owner may require the Engineer to support its invoices with data and documentation for each charge.



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

WITNESS

EVERGREEN FARMINGTON SANITARY DRAIN  
DRAINAGE DISTRICT

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

Print Name: Jim Nash

Title: Chairperson

WITNESS

Engineer: Fishbeck

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

Print  
Name: \_\_\_\_\_

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

Approved as to form:

\_\_\_\_\_  
Oakland County Water Resource Commissioner's Legal Counsel

## **11. George W. Kuhn Drain**

## **AGENDA**

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

December 15, 2020

1. Call meeting to order
2. Approve minutes of meeting of November 17, 2020
3. Public Comments
4. Present Change Order No. 3 for Weiss Construction for a net increase in the amount of \$9,864
5. Present Construction Estimate No. 16 for Weiss Construction in the amount of \$284,178.75
6. Present request for Board approval of payment of invoices in the amount of \$52,744.08
7. Closed session
8. Other business
9. Approve pro rata payment to Drainage Board members
10. Adjourn

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

November 17, 2020

A meeting of the Drainage Board for the George W. Kuhn Drain was held at 2:00 p.m. on the 17<sup>th</sup> of November, 2020. The meeting was conducted electronically via GoToMeeting in accordance with PA 228 of 2020.

The meeting was called to order by the Chairperson. The Board indicated where they were physically located at the time of the meeting as follows:

PRESENT: Jim Nash, Oakland County Water Resources Commissioner, participating from Farmington Hills, Michigan.

David Woodward, Chairperson of the Oakland County Board of Commissioners, participating from Royal Oak, Michigan.

Helaine Zack, Chairperson of the Finance Committee, Oakland County Board of Commissioners, participating from Huntington Woods, Michigan.

Minutes of the meeting held October 27, 2020 were presented for consideration. It was moved by Woodward, supported by Zack, that the minutes be approved.

ADOPTED: Yeas - 3  
Nays - 0

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

Construction Estimate No. 15 for Weiss Construction in the amount of \$63,565 (as attached) was presented. It was moved by Zack, supported by Woodward, to approve Construction Estimate No. 15 in the amount of \$63,565 as presented.

ADOPTED: Yeas - 3  
Nays - 0

A request for Board approval of payment of invoices in the amount of \$69,361.23 (as attached) was presented. It was moved by Zack, supported by Woodward, that the invoices in the amount of \$69,361.23 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 Ms. Zack and Mr. Woodward.

ADOPTED: Yeas - 3  
Nays - 0

There being no further business, the meeting was adjourned.

A handwritten signature in blue ink, appearing to read "Jim Nash", is positioned above a horizontal line.

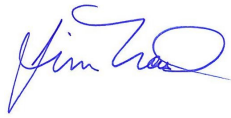
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Jim Nash, Chairperson

STATE OF MICHIGAN                     )  
  )SS.  
COUNTY OF OAKLAND                 )

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board of the George W. Kuhn Drain, Oakland County, Michigan, held on the 17<sup>th</sup> day of November, 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 the George W. Kuhn Drain Drainage District.



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Jim Nash, Chairperson

Dated: November 30, 2020

**CHANGE ORDER NO. 3**

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

CONTRACTOR: Weiss Construction

Address: 4000 Renaissance Center, Suite 2170  
Detroit, MI 48243

Authorization for Extras To &amp; Changes In Contract

Change Order No: 3 Date: 12/4/2020

Auth No.	Location-Description-Reason	Unit Used	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
	<b><u>LOCATION:</u></b>  <b>Dequindre Pump Station</b> <b>-George W. Kuhn Drain Drainage District</b>					
	<b><u>DESCRIPTION:</u></b>					
A	<b><u>Extra / Add</u></b> Provide all labor, equipment and materials to increase the size of the air compressor feeders from #8 wire to #6 wire and install (2) replacement 60 amp circuit breakers in MCC-1 (reference attached RFI #26).	LS	1	\$3,115.00	\$3,115.00	---
B	<b><u>Extra / Add</u></b> Provide all labor, equipment and materials to install new actuators for the existing supply/intake louver in the generator room (reference attached RFI #24).	LS	1	\$2,966.00	\$2,966.00	---
C	<b><u>Extra / Add</u></b> Provide all labor, equipment and materials to complete additional tuckpointing and masonry repairs required at various locations throughout the building (reference attached Progress Meeting Minutes #13- Item 11.1).	LS	1	\$2,575.00	\$2,575.00	---
D	<b><u>Extra / Add</u></b> Provide all labor, equipment and materials to replace the existing vibration switch for Pump #7 with a new vibration switch (reference attached RFI #27).	LS	1	\$1,208.00	\$1,208.00	---
A	<b><u>REASON:</u></b> Design documents indicate using the existing circuit breakers feeding the old air compressors to feed the new air compressors. The existing circuit breakers are 30 amps. The new air compressors draw 34 amps each. This unknown field condition requires that the 30 amp circuit breakers be replaced with 60 amp circuit breakers as well as an increase in wire size from #8 AWG to #6 AWG to accommodate the new air compressors.					

JIM NASH

OAKLAND COUNTY WATER RESOURCES COMMISSIONER

CONTRACTOR: Weiss Construction

Authorization for Extras To &amp; Changes In Contract

Address: 4000 Renaissance Center, Suite 2170Detroit, MI 48243Change Order No: 3Date: 12/4/2020

Auth No.	Location-Description-Reason	Unit Used	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
B	The existing gas detection auxiliary panel and sensor/transmitter are to remain in place and are required to control intake dampers and the exhaust fan when the generator is running. Due to unknown field conditions the damper motors and exhaust fan are in poor operating condition. The new wiring and actuators are required to maintain proper function of the gas detection system in the generator room.					
C	GWK personnel have observed various locations throughout the pump station where additional tuckpointing and/or masonry repairs were necessary. A list of these repairs were generated and Weiss Construction performed this work while completing their own contract work. This additional work was owner initiated and documented on a time and material basis.					
D	Existing vibration sensors on Pumps (1 - 6) have been replaced with a new pump monitoring system. Pump #7 does not have this monitoring system and the existing vibration sensor was to be reinstalled. Due to unknown field conditions the wiring to Pump #7 vibration sensor has been damaged. A replacement cable for this instrument is no longer available. A new vibration switch was necessary to properly install the monitoring capabilities on Pump #7.  Wade Trim has reviewed the methods and costs of this work based upon similar work of this type. These prices are fair and reasonable.					
Totals					\$9,864.00	\$0.00
Net Increase					\$9,864.00	---

JIM NASH

OAKLAND COUNTY WATER RESOURCES COMMISSIONER



CHANGE ORDER NO. 3

JIM NASH Water Resources Commissioner, County Agency

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

Prepared by:   
Project Engineer – Craig Tiell  
Oakland County Water Resource Commissioner

Date: 12/7/2020

Recommended by: \_\_\_\_\_  
Consulting Engineer – John Arvai, P.E.  
Wade Trim

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

Approved by: \_\_\_\_\_  
Chief Engineer – Gary Nigro, P.E.  
Oakland County Water Resource Commissioner

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

Approved by: \_\_\_\_\_  
Special Project Manager – Sid Lockhart, P.E.  
Oakland County Water Resource Commissioner

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

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

Accepted by: \_\_\_\_\_  
Title

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

of: \_\_\_\_\_

Approved by: \_\_\_\_\_  
Manager – Steven A. Korth, P.E.  
Oakland County Water Resource Commissioner

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

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

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. 16

November 1, 2020 to November 30, 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: December 18, 2020

Original Contract Amount: \$5,845,000.00

Previous Change Orders: \$140,509.00  
Numbers: Change Order #1 and #2

Change Orders This Estimate: \$0.00  
Numbers: None

Total Net Change Orders: \$140,509.00

Adjusted Contract Amount: \$5,985,509.00

Sub-Total To Date: \$5,621,345.00

Less Deductions: \$0.00

Gross Estimate: (Work in Place) 93.92% \$5,621,345.00

Less Amount Reserved: (10% of 1/2 Adjusted Contract Amount) \$299,275.45

Total Amount Allowed To Date: \$5,322,069.55

Less Previous Estimates: \$5,037,890.80

Net Payment Request To Be Paid To Contractor: \$284,178.75

Reserve Payment to Contractor \$0.00

Balance of Contract To Date \$ 364,164.00 Accounting Auditor:

Amount To Be Reserved (From Above) \$299,275.45

Less Previous Transfers To Reserve: \$299,275.45

Amount of Current Transfer: \$0.00

Prepared by: \_\_\_\_\_ Date: \_\_\_\_\_  
Craig Tiell - Project Engineer

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

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

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

Regular Construction Estimate No. 16

Approved By Board On: \_\_\_\_\_

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

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

**DATE:** December 15, 2020

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

Payable To	Ref No.	For	Amount
OHM	TBP	Invoice # 329552 - Professional Services - 11/21/20	\$ 1,742.50
Pipeline Management Co Inc	TBP	Invoice # 2020-127 - Contracted Services - 11/03/20	5,050.82
Dickinson Wright, PLLC	TBP	Invoice # 1528903 - Legal Services - 10/31/2020	3,627.44
Dickinson Wright, PLLC	TBP	Invoice # 1528902 - Legal Services - 10/31/2020	3,613.76
Dickinson Wright, PLLC	TBP	Invoice # 1528900 - Legal Services - 10/31/2020	3,649.32
Dickinson Wright, PLLC	TBP	Invoice # 1528899 - Legal Services - 10/31/2020	3,622.62
Dickinson Wright, PLLC	TBP	Invoice # 1528898 - Legal Services - 10/31/2020	3,752.96
Dickinson Wright, PLLC	TBP	Invoice # 1528896 - Legal Services - 10/31/2020	4,489.38
Dickinson Wright, PLLC	TBP	Invoice # 1528895 - Legal Services - 10/31/2020	7,777.53
Dickinson Wright, PLLC	TBP	Invoice # 1528897 - Legal Services - 10/31/2020	3,733.45
Dickinson Wright, PLLC	TBP	Invoice # 1528904 - Legal Services - 10/31/2020	3,619.37
Dickinson Wright, PLLC	TBP	Invoice # 1528901 - Legal Services - 10/31/2020	3,129.13
Dickinson Wright, PLLC	TBP	Invoice # 1528906 - Legal Services - 10/31/2020	88.50
Dickinson Wright, PLLC	TBP	Invoice # 1528909 - Legal Services - 10/31/2020	2,907.80
Dickinson Wright, PLLC	TBP	Invoice # 1528970 - Legal Services - 10/31/2020	1,190.00
Dickinson Wright, PLLC	TBP	Invoice # 1528894 - Legal Services - 10/31/2020	749.50
<b>Total</b>			<b>\$ 52,744.08</b>