

NOTICE OF MEETINGS
DRAINAGE BOARD FOR THE FOLLOWING DRAINS:

1. Evergreen-Farmington Sanitary Sewer Drain
2. Drainage District Policy
3. Acacia Park CSO Drain
4. Birmingham CSO Drain
5. Bloomfield Village CSO Drain
6. George W. Kuhn Drain
7. Clinton River Water Resource Recovery Facility
8. Pontiac Clinton River No. 3 Drain
9. Oaks Drain
10. Twelve Towns Drain
11. Augusta Drain
12. Caddell Drain
13. Henry-Graham Drain
14. Northwest Oakland Sanitary Sewer Drain

NOTICE IS HEREBY GIVEN THAT MEETINGS OF THE DRAINAGE BOARD FOR THE ABOVE-MENTIONED DRAINS WILL COMMENCE IN THE OAKLAND COUNTY PUBLIC WORKS BUILDING, ONE PUBLIC WORKS DRIVE, WATERFORD, MICHIGAN, AND VIA **MICROSOFT TEAMS** AT 2 P.M., ON **TUESDAY, NOVEMBER 26, 2024**, TO CONDUCT NECESSARY AND APPROPRIATE BUSINESS OF THE DRAINAGE BOARDS. THOSE WHO WISH TO PARTICIPATE REMOTELY MAY FOLLOW THE INSTRUCTIONS ATTACHED TO THIS NOTICE. ALL BOARD MEMBERS WILL BE PARTICIPATING IN-PERSON.

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

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

Microsoft Teams meeting

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1. Evergreen-Farmington Sanitary Drain

AGENDA

DRAINAGE BOARD FOR THE EVERGREEN-FARMINGTON SANITARY DRAIN CONSOLIDATION PROJECT

November 26, 2024

1. Call meeting to order.
2. Approve minutes of meeting of October 22, 2024.
3. Offer and file proofs of publication and of mailing of notice of the hearing.
4. Open the hearing.
5. Receive written objections.
6. Ask for comments or objections from those present.
7. Close the hearing.
8. Adopt resolution to confirm apportionment and direct the Chairperson to issue a Final Order of Apportionment.
9. Chairperson execute Final Order of Apportionment and present it to the Board.
10. Motion to approve and file Final Order of Apportionment.
11. Present Memorandum from Evans Bantios, P.E., Project Engineer, dated November 26, 2024, requesting the Board approve the Engineering Services agreement with FK Engineering for the final design of the Walnut Lake No. 1 Corrective Action Plan project by a not-to-exceed amount of \$444,000
12. Present Memorandum from Evans Bantios, P.E., Project Engineer, dated November 26, 2024, requesting the Board approve the budget increase to HRC for the final design of the Walnut Lake No. 1 Corrective Action Plan project to a not-to-exceed amount of \$234,160
13. Present Memorandum from Scott Schultz, E.I.T., Project Engineer, dated November 26, 2024, requesting the Board:
 - a) Award the Walnut #2 Pump Station Rehabilitation project to Lawrence M. Clarke and authorize the EFSDDD Chairperson to sign the Agreement in the amount of \$1,858,100.00.
 - b) Approve the Engineering Work Order for DLZ's Construction Engineering Services,

- materials testing services, and additional Design Engineering fees for the Walnut #2 Pump Station Rehabilitation project totaling \$129,210.37
- c) Approve a project budget increase of \$598,000 to an overall not-to-exceed amount of \$2,698,000.
14. Present Construction Estimate No. 32 for Walsh Construction for the 8 Mile Road Corrective Action Plan Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$610,089.45
15. Present request for Board approval of payment of invoices from the Evergreen Farmington Sanitary Drain from the Maintenance Fund in the amount of \$235,604.35
16. Present request for Board approval of payment of invoices from the Evergreen Farmington Sanitary Drain from the Construction Fund in the amount of \$135,069.88
17. Approve pro rata payment to Drainage Board members.
18. Other Business.
19. Adjourn.

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

October 22, 2024

A meeting of the Drainage Board for the Evergreen-Farmington Sanitary Drain Consolidation Project was held in Waterford, Michigan, on October 22, 2024.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

David Woodward, Chairperson of the Oakland County Board of Commissioners

ABSENT: None.

The meeting was called to order by the Chairperson. The minutes of the September 24, 2024 meeting of this Board were presented. It was moved by Markham 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:

There were the following written objections:

The Chairperson declared the hearing closed.

The following resolution was offered by Markham and seconded by 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 September 12, 2024, by the City of Farmington Hills, Oakland County, Michigan, and on September 13, 2024, 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 corporation named in the notice of said hearing.

THEREFORE, BE IT RESOLVED BY THE DRAINAGE BOARD FOR THE EVERGREEN-FARMINGTON SANITARY DRAIN CONSOLIDATION PROJECT, 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, if any, 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 – 3

Nays - 0

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 October 22, 2024.

It was moved by Markham and seconded by Woodward that the Final Order of Determination, In Re Evergreen-Farmington Sanitary Drain Consolidation Project, 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 - 3

Nays - 0

The following resolution was offered by Markham and seconded by Woodward:

The Chairperson announced that plans and specifications, a route and course, a description of the area to be served by the Evergreen-Farmington Sanitary Drain Consolidation Project, and an estimate of the cost of said project in the amount of \$-0- were on file with the Oakland County Water Resources Commissioner. It was, on motion by Markham, seconded by Woodward:

RESOLVED, that said plans and specifications, route and course, description of the area to be served by the Evergreen-Farmington Sanitary Drain Consolidation Project and cost estimate be and they hereby are received, adopted and approved and ordered filed with the Chairperson of this Board.

ADOPTED: Yeas - 3

Nays - 0

The following resolution was offered by Markham and seconded by Woodward:

A tentative apportionment of costs, if any, was presented to the Board and ordered filed with the Chairperson.

The following resolution was offered by Markham and seconded by Woodward:

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

1. That this Board hereby tentatively establishes that the cost of the Evergreen-Farmington Sanitary Drain Consolidation Project shall be apportioned against public corporations, as follows:

| | |
|--------------------------------|-------|
| City of Auburn Hills | 0.46% |
| Village of Beverly Hills | 5.75% |
| Village of Bingham Farms | 0.69% |
| City of Birmingham | 0.11% |
| Charter Township of Bloomfield | 9.54% |
| City of Bloomfield Hills | 1.44% |
| City of Farmington | 0.34% |

| | |
|-------------------------------------|--------|
| City of Farmington Hills | 28.29% |
| Village of Franklin | 0.21% |
| City of Keego Harbor | 0.32% |
| City of Lathrup Village | 3.06% |
| City of Orchard Lake Village | 0.37% |
| City of Southfield | 38.17% |
| City of Troy | 3.15% |
| Charter Township of West Bloomfield | 8.10% |

2. That this Drainage Board shall meet on the 26th day of November 2024, at 2:00 p.m., prevailing Eastern Time, at the Office of the Oakland County Water Resources Commissioner, One Public Works Drive, Waterford, Michigan and/or electronically via GoToMeeting, as provided by law, for the purpose of hearing any objections to said apportionment.

3. That the notice of such hearing shall be in substantially the following form, 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
COUNTY OF OAKLAND

EVERGREEN-FARMINGTON SANITARY DRAIN CONSOLIDATION PROJECT

NOTICE OF MEETING TO HEAR OBJECTIONS
TO APPORTIONMENT OF COST OF ABOVE
INTRA-COUNTY DRAIN PROJECT

NOTICE IS HEREBY GIVEN, that the cost, if any, of the Evergreen-Farmington Sanitary Drain Consolidation Project which consists of locating, establishing and constructing an intra-county drain project consisting of extending the Evergreen-Farmington Sanitary Drain by adding a branch to said Drain known as the 10 Mile - Rouge Arm and conducting an assessment of pipe condition, including without limitation closed-circuit televising and cleaning of pipes, including without limitation closed-circuit televising and cleaning of pipes, in accordance with the provisions of Chapter 20 of Act 40, Public Acts of Michigan, 1956, as amended, all as more fully set forth in the petition filed by the City of Farmington Hills and the City of Southfield with respect to the drain project, has been tentatively apportioned as follows, to wit:

| | |
|---------------------------|-------------------------------------|
| <u>Public Corporation</u> | <u>Tentative Percentage of Cost</u> |
| City of Auburn Hills | 0.46% |
| Village of Beverly Hills | 5.75% |
| Village of Bingham Farms | 0.69% |

| | |
|-------------------------------------|--------|
| City of Birmingham | 0.11% |
| Charter Township of Bloomfield | 9.54% |
| City of Bloomfield Hills | 1.44% |
| City of Farmington | 0.34% |
| City of Farmington Hills | 28.29% |
| Village of Franklin | 0.21% |
| City of Keego Harbor | 0.32% |
| City of Lathrup Village | 3.06% |
| City of Orchard Lake Village | 0.37% |
| City of Southfield | 38.17% |
| City of Troy | 3.15% |
| Charter Township of West Bloomfield | 8.10% |

NOTICE IS FURTHER GIVEN, that the Drainage Board for the Evergreen-Farmington Sanitary Drain Consolidation Project, will meet at 2:00 p.m., prevailing Eastern Time, on the 26th day of November, 2024, in the Office of the Oakland County Water Resources Commissioner, One Public Works Drive, Waterford, Michigan, for the purpose of hearing any objections to said apportionment.

NOTICE IS FURTHER GIVEN, that the plans, specifications, route and course and estimate of cost, if any, of the Evergreen-Farmington Sanitary Drain Consolidation Project and also a description of the area to be served thereby are on file in the office of the Oakland County Water Resources Commissioner, One Public Works Drive, Waterford, Michigan. The estimated cost of the drain project is \$-0-, but the apportionment percentages as finally established by the Drainage Board shall apply to the actual cost of the aforementioned portions of the drain project when finally completed.

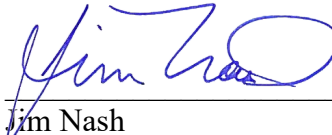
NOTICE IS FURTHER GIVEN, that at said hearing the public corporations to be assessed, or any taxpayer thereof, will be entitled to be heard.

NOTICE IS FURTHER GIVEN, that after consideration of all objections to the apportionment the Drainage Board shall determine whether the apportionment fairly reflects the benefits to accrue to each public corporation and the extent to which each public corporation contributes to the conditions which make the drain project necessary. If the Drainage Board determines that the apportionment is equitable it will enter a Final Order of Apportionment confirming the apportionment. Section 483 of Act 40, Public Acts of Michigan, 1956, as amended, provides that the Final Order of Apportionment shall not be subject to attack in any court, except by proceedings in certiorari brought within 20 days after the order is filed in the office of the Oakland County Water Resources Commissioner, with the Chairperson of the Drainage Board for the Evergreen-Farmington Sanitary Drain Consolidation Project, and that if no such proceedings shall be brought within said 20 day period the legality of the assessments for the drain shall not thereafter be questioned in any suit at law or in equity, either on jurisdictional or nonjurisdictional grounds.

NOTICE IS FURTHER GIVEN, that if the Drainage Board enters the Final Order of Apportionment a special assessment roll assessing the estimated cost of the drain project against

said public corporations in accordance with the confirmed apportionment will be prepared and presented to the Drainage Board for approval.

This notice is given to and for the benefit of the aforesaid mentioned public corporations and all taxpayers thereof by order of the Drainage Board for the Evergreen-Farmington Sanitary Drain Consolidation Project.



Jim Nash
Chairperson of the Drainage Board for the
Evergreen-Farmington Sanitary Drain
Consolidation Project;
Oakland County Water Resources Commissioner

4. That said notice shall be published twice in The Oakland Press, a newspaper published in the County of Oakland, the first publication to be not less than twenty (20) days prior to the time of said hearing.

5. That said notice shall be sent by registered or certified mail to the Clerk of the City of Auburn Hills, the Village of Beverly Hills, the Village of Bingham Farms, the City of Birmingham, the Charter Township of Bloomfield, the City of Bloomfield Hills, the City of Farmington, the City of Farmington Hills, the Village of Franklin, the City of Keego Harbor, the City of Lathrup Village, City of Orchard Lake Village, the City of Southfield, the City of Troy, the Charter Township of West Bloomfield, the County Clerk of the County of Oakland and the County Road Commission of the County of Oakland, which mailing shall be not less than twenty (20) days prior to the time of said hearing.

6. That all resolutions or parts of resolutions in conflict herewith are hereby rescinded.

ADOPTED: Yeas - 3
Nays - 0

A memorandum from Evans Bantios, P.E., Project Engineer, dated October 22, 2024, requesting the Board approve the revised project budget for the Walnut Lake No. 3 Pump Station Rehabilitation Project by \$25,000 for a not to exceed amount of \$1,756,000 was presented. It was moved by Markham, supported by Woodward, to approve the revised project budget for the Walnut Lake No. 3 Pump Station Rehabilitation Project by \$25,000 for a not to exceed amount of \$1,756,000 as presented.

ADOPTED: Yeas - 3
Nays - 0

Change Order No. 2 (Final) for Lawrence M. Clarke, Inc. for Construction of the Walnut Lake No. 3 Pump Station Rehabilitation for a net increase in the amount of \$75,862.68 was presented. It was moved by Markham, supported by Woodward, to approve Change Order No. 2 (Final) for Lawrence M. Clarke, Inc. for Construction of the Walnut Lake No. 3 Pump Station Rehabilitation for a net increase in the amount of \$75,862.68 as presented.

ADOPTED: Yeas - 3
Nays - 0

Change Order No. 3 for Dan's Excavating, Inc. for the 8 Mile Road Corrective Action Plan Phase 2 – 8 Mile Pump Station for a net increase in the amount of \$176,374.45 was presented. It was moved by Markham, supported by Woodward, to approve Change Order No. 3 for Dan's Excavating, Inc. for the 8 Mile Road Corrective Action Plan Phase 2 – 8 Mile Pump Station for a net increase in the amount of \$176,374.45 as presented.

ADOPTED: Yeas - 3
Nays - 0

Change Order No. 3 for Midwest Power Systems, Inc. for Construction of the Lathrup Village Sanitary Retention Tank Improvements for a net increase in the amount of \$61,469.05 was presented. It was moved by Markham, supported by Woodward, to approve Change Order No. 3 for Midwest Power Systems, Inc. for Construction of the Lathrup Village Sanitary Retention Tank Improvements for a net increase in the amount of \$61,469.05 as presented.

ADOPTED: Yeas - 3
Nays - 0

Final Construction Estimate for Lawrence M. Clarke, Inc. for Construction of the Walnut No. 3 Pump Station Rehabilitation in the amount of \$98,912.68 with a reserve payment to the contractor in the amount of \$63,313.01 was presented. It was moved by Markham, supported by Woodward, to approve Final Construction Estimate for Lawrence M. Clarke, Inc. for Construction of the Walnut No. 3 Pump Station Rehabilitation in the amount of \$98,912.68 with a reserve payment to the contractor in the amount of \$63,313.01 as presented.

ADOPTED: Yeas - 3
Nays - 0

Construction Estimate No. 2 for Lawrence M. Clarke, Inc. for Construction of the I-696 Pump Station Rehabilitation in the amount of \$72,000 with a transfer to the Oakland County Treasurer in the amount of \$8,000 was presented. It was moved by Markham, supported by Woodward, to approve Construction Estimate No. 2 for Lawrence M. Clarke, Inc. for Construction of the I-696 Pump Station Rehabilitation in the amount of

\$72,000 with a transfer to the Oakland County Treasurer in the amount of \$8,000 as presented.

ADOPTED: Yeas - 3
Nays - 0

Construction Estimate No. 9 for Midwest Power Systems for Construction of the Lathrup SRT in the amount of \$127,484.59 with a transfer to the Oakland County Treasurer in the amount of \$3,073.45 was presented. It was moved by Markham, supported by Woodward, to approve, Construction Estimate No. 9 for Midwest Power Systems for Construction of the Lathrup SRT in the amount of \$127,484.59 with a transfer to the Oakland County Treasurer in the amount of \$3,073.45 as presented.

ADOPTED: Yeas - 3
Nays - 0

Construction Estimate No. 31 for Walsh Construction Company II, LLC for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$1,021,479.14 was presented. It was moved by Markham, supported by Woodward, to approve Construction Estimate No. 31 for Walsh Construction Company II, LLC for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$1,021,479.14 as presented.

ADOPTED: Yeas - 3
Nays - 0

Construction Estimate No. 13 for Dan's Excavating for Construction of the 8 Mile Road Corrective Action Plan Phase 2 in the amount of \$217,697.39 with a transfer to the Oakland County Treasurer in the amount of \$8,818.72 was presented. It was moved by Markham, supported by Woodward, to approve Construction Estimate No. 13 for Dan's Excavating for Construction of the 8 Mile Road Corrective Action Plan Phase 2 in the amount of \$217,697.39 with a transfer to the Oakland County Treasurer in the amount of \$8,818.72 as presented.

ADOPTED: Yeas - 3
Nays - 0

A request for Board approval of payment of invoices from the Evergreen Farmington Sanitary Drain from the Maintenance Fund in the amount of \$278,146.43 (as attached) was presented. It was moved by Markham, supported by Woodward to approve the payment of invoices from the Evergreen Farmington Sanitary Drain from the Maintenance Fund in the amount of \$278,146.43 as presented.

ADOPTED: Yeas - 3
Nays - 0

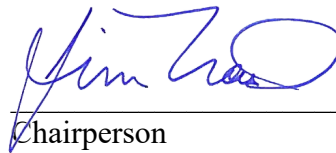
A request for Board approval of payment of invoices from the Evergreen Farmington Sanitary Drain from the Construction Fund in the amount of \$13,710.70 (as attached) was presented. It was moved by Markham, supported by Woodward to approve the payment of invoices from the Evergreen Farmington Sanitary Drain from the Construction Fund in the amount of \$13,710.70 as presented.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

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



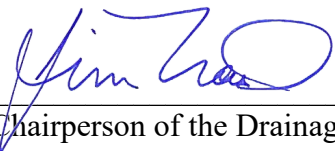
Chairperson

Dated: October 22, 2024

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 Consolidation Project, Oakland County, Michigan, held on October 22, 2024, 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.



Chairperson of the Drainage Board

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 COUNTY OF OAKLAND

EVERGREEN-FARMINGTON SANITARY DRAIN
CONSOLIDATION PROJECT

NOTICE OF MEETING TO HEAR OBJECTIONS
TO APPORTIONMENT OF COST OF ABOVE
INTRA-COUNTY DRAIN PROJECT

NOTICE IS HEREBY GIVEN, that the cost, if any, of the Evergreen-Farmington Sanitary Drain Consolidation Project which consists of locating, establishing and constructing an intra-county drain project consisting of extending the Evergreen-Farmington Sanitary Drain by adding a branch to said Drain known as the 10 Mile - Rouge Arm and conducting an assessment of pipe condition, including without limitation closed-circuit televising and cleaning of pipes, including without limitation closed-circuit televising and cleaning of pipes, in accordance with the provisions of Chapter 20 of Act 40, Public Acts of Michigan, 1956, as amended, all as more fully set forth in the petition filed by the City of Farmington Hills and the City of Southfield with respect to the drain project, has been tentatively apportioned as follows, to wit:

| <u>Public Corporation</u> | <u>Tentative Percentage of Cost</u> |
|-------------------------------------|---|
| City of Auburn Hills | 0.46% |
| Village of Beverly Hills | 5.75% |
| Village of Bingham Farms | 0.69% |
| City of Birmingham | 0.11% |
| Charter Township of Bloomfield | 9.54% |
| City of Bloomfield Hills | 1.44% |
| City of Farmington | 0.34% |
| City of Farmington Hills | 28.29% |
| Village of Franklin | 0.21% |
| City of Keego Harbor | 0.32% |
| City of Lathrup Village | 3.06% |
| City of Orchard Lake Village | 0.37% |
| City of Southfield | 38.17% |
| City of Troy | 3.15% |
| Charter Township of West Bloomfield | 8.10% |

NOTICE IS FURTHER GIVEN, that the Drainage Board for the Evergreen-Farmington Sanitary Drain Consolidation Project, will meet at 2:00 p.m., prevailing Eastern Time, on the 26th day of November, 2024, in the Office of the Oakland County Water Resources Commissioner, One Public Works Drive, Waterford, Michigan, for the purpose of hearing any objections to said apportionment.

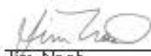
NOTICE IS FURTHER GIVEN, that the plans, specifications, route and course and estimate of cost, if any, of the Evergreen-Farmington Sanitary Drain Consolidation Project and also a description of the area to be served thereby are on file in the office of the Oakland County Water Resources Commissioner, One Public Works Drive, Waterford, Michigan. The estimated cost of the drain project is \$-0-, but the apportionment percentages as finally established by the Drainage Board shall apply to the actual cost of the aforementioned portions of the drain project when finally completed.

NOTICE IS FURTHER GIVEN, that at said hearing the public corporations to be assessed, or any taxpayer thereof, will be entitled to be heard.

NOTICE IS FURTHER GIVEN, that after consideration of all objections to the apportionment the Drainage Board shall determine whether the apportionment fairly reflects the benefits to accrue to each public corporation and the extent to which each public corporation contributes to the conditions which make the drain project necessary. If the Drainage Board determines that the apportionment is equitable it will enter a Final Order of Apportionment confirming the apportionment. Section 483 of Act 40, Public Acts of Michigan, 1956, as amended, provides that the Final Order of Apportionment shall not be subject to attack in any court, except by proceedings in certiorari brought within 20 days after the order is filed in the office of the Oakland County Water Resources Commissioner, with the Chairperson of the Drainage Board for the Evergreen-Farmington Sanitary Drain Consolidation Project, and that if no such proceedings shall be brought within said 20 day period the legality of the assessments for the drain shall not thereafter be questioned in any suit at law or in equity, either on jurisdictional or nonjurisdictional grounds.

NOTICE IS FURTHER GIVEN, that if the Drainage Board enters the Final Order of Apportionment a special assessment roll assessing the estimated cost of the drain project against said public corporations in accordance with the confirmed apportionment will be prepared and presented to the Drainage Board for approval.

This notice is given to and for the benefit of the aforesaid mentioned public corporations and all taxpayers thereof by order of the Drainage Board for the Evergreen-Farmington Sanitary Drain Consolidation Project.



Jim Nash
Chairperson of the Drainage Board for the
Evergreen-Farmington Sanitary Drain
Consolidation Project;
Oakland County Water Resources Commissioner

AFFIDAVIT OF MAILING NOTICE OF MEETING

**RE: NOTICE OF MEETING TO HEAR OBJECTIONS TO APPORTIONMENT OF
COST OF EVERGREEN-FARMINGTON SANITARY DRAIN CONSOLIDATION
PROJECT IN THE 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,
OAKLAND COUNTY, MICHIGAN**

STATE OF MICHIGAN)
)ss
COUNTY OF OAKLAND)

Stephanie Lajdziak, of the office of the Oakland County Water Resources Commissioner, of the County and State aforesaid, being duly sworn, deposes and says that on October 23, 2024, by United States certified mail, return receipt requested, she mailed (at least 20 days before the meeting described) a copy of the attached Notice of Meeting Re: Objections to Apportionment of Cost of an intra-county drain project in the above-described communities with respect to the hearing to be held on November 26, 2024 to the following persons:

- SEE ATTACHED SERVICE LIST

Stephanie Lajdziak

Stephanie Lajdziak

Subscribed and sworn to before me
this 14th day of November 2024

Stephanie Lajdziak

NOTARY PUBLIC, Oakland County, Michigan

STEPHANIE JUDJAHN CREASY
NOTARY PUBLIC, STATE OF MI
COUNTY OF LIVINGSTON
MY COMMISSION EXPIRES Jul 30, 2030
ACTING IN COUNTY OF *Oakland*

1. City of Auburn Hills
Attn: Laura Pierce, City Clerk
1827 N. Squirrel Road
Auburn Hills, MI 48326
Article no.: 7018 2290 0002 1421 1288
2. Village of Beverly Hills
Attn: Kristin Rutkowski, Village Clerk
18500 W 13 Mile Road
Beverly Hills, MI 48025
Article no.: 7018 2290 0002 1421 1295
3. Village of Bigham Farms
Attn: Ken Marten, Village Clerk
24255 Thirteen Mile Road
Suite 190
Bingham Farms, MI 48025
Article no.: 7018 2290 0002 1421 1301
4. City of Birmingham
Attn: Alexandria Bingham, City Clerk
151 Martin Street
Birmingham, MI 48009
Article no.: 7018 2290 0002 1421 1318
5. Charter Township of Bloomfield
Attn: Martin Brook, Township Clerk
4200 Telegraph Road
P.O. Box 489
Bloomfield Township, MI 48303
Article no.: 7018 2290 0002 1421 1325
6. City of Bloomfield Hills
Attn: Amy Burton, City Clerk
45 E Long Lake Road
Bloomfield Hills, MI 48304
Article no.: 7018 2290 0002 1421 1332
7. City of Farmington
Attn: Meaghan Bachman, City Clerk
23600 Liberty St.
Farmington, MI 48335
Article no.: 7018 2290 0002 1421 1349
8. City of Farmington Hills
Attn: Carly Lindahl, City Clerk

31555 W. Eleven Mile Road
Farmington Hills, MI 48336
Article no.: 7018 2290 0002 1421 1424

9. Village of Franklin
Attn: Dana Hughes, Village Clerk
32325 Franklin Rd.
Franklin, MI 48025
Article no.: 7018 2290 0002 1421 1356
10. City of Keego Harbor
Attn: Tammy Neeb, City Clerk
2025 Beechmont St.
Keego Harbor, MI 48320
Article no.: 7018 2290 0002 1421 1363
11. City of Lathrup Village
Attn: Alisa Emanuel, City Clerk
27400 Southfield Road
Lathrup Village, MI 48076
Article no.: 7018 2290 0002 1421 1370
12. City of Orchard Lake Village
Attn: Rhonda McClellan, City Clerk
3955 Orchard Lake Road
Orchard Lake, MI 48323
Article no.: 7018 2290 0002 1421 1387
13. City of Southfield
Attn: Janet Jackson, City Clerk
26000 Evergreen Road
P.O. Box 2055
Southfield, MI 48037
Article no.: 7018 2290 0002 1421 1394
14. City of Troy
Attn: Aileen Dickson, City Clerk
500 W. Big Beaver Rd
Troy, Michigan 48084
Article no.: 7018 2290 0002 1421 1400
15. Charter Township of West Bloomfield
Attn: Debbie Binder, Township Clerk
4550 Walnut Lake Road
West Bloomfield, MI 48323
Article no.: 7018 2290 0002 1421 1417

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

November 26, 2024

At a meeting of the Drainage Board for the Evergreen-Farmington Sanitary Drain Consolidation Project held in Waterford, Michigan, on the 26th day of November, 2024.

PRESENT:

ABSENT:

The meeting was called to order by the Chairperson.

The Chairperson presented the minutes of the meeting of this Board held on October 22, 2024. Upon motion by _____, seconded by _____ and unanimously adopted, the minutes were approved as presented.

The Chairperson announced that this was the time and place set to hear any objections to the apportionment of the cost, if any, of the Evergreen-Farmington Sanitary Drain Consolidation Project as tentatively adopted by this Drainage Board on October 22, 2024 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, if any, of the Evergreen-Farmington Sanitary Drain Consolidation Project as set forth in the resolution of this Board

adopted October 22, 2024 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 _____ and seconded by _____:

WHEREAS, the Drainage Board for the Evergreen-Farmington Sanitary Drain Consolidation Project, on the 22nd day of October, tentatively established an apportionment of the cost, if any, of the Evergreen-Farmington Sanitary Drain Consolidation Project, to be borne by the several public corporations, as follows:

| | |
|-------------------------------------|--------|
| City of Auburn Hills | 0.46% |
| Village of Beverly Hills | 5.75% |
| Village of Bingham Farms | 0.69% |
| City of Birmingham | 0.11% |
| Charter Township of Bloomfield | 9.54% |
| City of Bloomfield Hills | 1.44% |
| City of Farmington | 0.34% |
| City of Farmington Hills | 28.29% |
| Village of Franklin | 0.21% |
| City of Keego Harbor | 0.32% |
| City of Lathrup Village | 3.06% |
| City of Orchard Lake Village | 0.37% |
| City of Southfield | 38.17% |
| City of Troy | 3.15% |
| Charter Township of West Bloomfield | 8.10% |

; and

WHEREAS, after due notice the Drainage Board met on the 26th day of November, 2024 to hear any objections to the apportionment; and

WHEREAS, the apportionment of the cost, if any, of the Evergreen-Farmington Sanitary Drain Consolidation Project has been made by taking into consideration the benefits to accrue to each of the public corporations to be assessed and by taking into consideration the

extent to which each such public corporation contributes to the conditions which made the Evergreen-Farmington Sanitary Drain Consolidation Project necessary;

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

WHEREAS, the Evergreen-Farmington Sanitary Drain Consolidation Project is necessary for the public health.

NOW, THEREFORE, BE IT RESOLVED BY THE DRAINAGE BOARD FOR THE EVERGREEN-FARMINGTON SANITARY DRAIN CONSOLIDATION PROJECT:

1. That the apportionment of cost, if any, as above set forth be and the same is 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 against the several public corporations 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 --

Nays --

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 November 26, 2024.

It was moved by _____ and seconded by _____ that the Final Order of Apportionment In Re Evergreen-Farmington Sanitary Drain Consolidation Project, dated November 26, 2024, be approved and filed with the Chairperson.

ADOPTED: Yeas --

Nays --

Upon motion by _____, seconded by
_____ and unanimously adopted, the meeting was adjourned.

Chairperson

November 26, 2024

STATE OF MICHIGAN)
)
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 Consolidation Project, Oakland County, Michigan, held on November 26, 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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

Chairperson of the Drainage Board

4884-0146-3787 v1 [12840-447]

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**

MEMORANDUM

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

FROM: Evans Bantios, P.E. Project Engineer

SUBJECT: Award FK Engineering the Final Design Services Agreement on the Walnut Lake No. 1 Corrective Action Plan Project

DATE: November 26, 2024

This memo accompanies the attached Engineering Services Agreement between FK Engineering (FKE) and the Evergreen-Farmington Sanitary Drain Drainage District. The design of this project will address portions of the items in the Administrative Consent Order No. 04995. This item includes removal of the inverted siphon at 8 Mile Road and Southfield Road. This work will be conducted via tunneling. Modifications will need to be made to the valve located at this location as well.

The goal of this project is to reduce the level of hydraulic grade line during the design storm event along the eastern portion of the 8 Mile Road and southern portion of the Evergreen Interceptor Sewer.

FKE will develop final design plan as part of this phase of the work. The cost for the final design phase shall not exceed \$444,000. Additional scope and phases of work will be issued via an Engineering Work Order.

Requested Action: Approve the attached Engineering Services Agreement for the final design of the Walnut Lake No. 1 Corrective Action Plan Project by a not-to-exceed amount of \$444,000.

ENGINEERING SERVICES AGREEMENT

Walnut Lake No. 1 Pump Station Corrective Action Plan

OAKLAND COUNTY, MICHIGAN

BETWEEN

**FK Engineering Associates
ENGINEER**

AND

**Evergreen Farmington Sanitary Drain Drainage District
OWNER**

The Evergreen Farmington Sanitary Drain Drainage District, One Public Works Drive Building 95 West, Waterford, MI 48328 ("Owner") and FK Engineering Associates ("Engineer") enter into this contract for engineering services ("Engineering Services Agreement" or "ESA"), effective the day of November, 202 for the project known as "Walnut Lake No. 1 Pump Station Corrective Action Plan" (the "Project").

1. DOCUMENTS CONSTITUTING THE ENGINEERING SERVICES AGREEMENT

1.1. The Engineering Services Agreement consists of the following documents, which together form the contract between the Owner and the Engineer:

- .1 This Engineering Services Agreement (DC-391 Part A).
- .2 The Engineering Services Agreement Standard Terms and Conditions (DC-391 Part B).
- .3 The forms selected with an "X" below:

☐

PRE-391 – PRELIMINARY ENGINEERING PHASE SERVICES

☒

DPS-391 – DESIGN PHASE SERVICES

☐

AMS-391 – ASSET MANAGEMENT SERVICES

☒

BID-391 – BIDDING SERVICES

☐

CON-391 – CONSTRUCTION PHASE SERVICES

☐

SUR-391 – CONSTRUCTION SURVEYING AND LAYOUT SERVICES

☐

RE-391 – RESIDENT ENGINEER SERVICES

☐

RPR-391 – RESIDENT PROJECT REPRESENTATIVE SERVICES

☐

ADD-391 – ADDITIONAL SPECIAL SERVICES

☐

Engineer's Proposal, dated (scope of work only).

1.2. In the event of conflict, ambiguity, or discrepancy between the terms of any of the documents constituting the Agreement, the more stringent condition, term, or interpretation imposed on the Engineer shall apply.

2. SCOPE OF THIS AGREEMENT

2.1. The 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. This Agreement may only be amended by an Engineering Work Order executed by the parties.

2.2. In the event the Owner and the Engineer have marked the Engineer's proposal under Section 1.1.3, the proposal shall be included in the Agreement for the limited purpose of describing the Engineer's scope of services. Such provisions as limitations on liability, mutual indemnification, or conditions of the Engineer's performance that might be contained in the proposal do not apply. Terms in the proposal are subordinate to any conflicting term in the Agreement.

3. PROJECT DESCRIPTION

The Project shall, in general, consist of the following goals and objectives:

The plan is to remove the existing siphon at the Evergreen Farmington outlet. This will decrease the hydraulic head on the section of sewer along 8 Mile Road and along Evergreen Road. This will allow the flow from the Walnut Lake No. 1 Pump Station to be transported along this alignment of the sewer without affecting the rest of the system. The proposed plan is to utilize the existing siphon for a majority of the construction work to minimize bypass pumping. The proposed design assumes we can use the existing structures and tunnel over the top of the existing siphon.

4. PROJECT-SPECIFIC SERVICES

4.1. The Engineer shall provide the Project-specific services outlined in the forms listed and selected in Section 1.1.3 of this Agreement. The Owner may authorize the Engineer to provide Additional Special Services by Work Order during the course of the Project. The omission of a service from documents incorporated under Section 1.1.3 does not excuse the Engineer from performing any regular or normal service that is necessary to meet the Standard of Care or to accomplish the Owner's stated goals for the Project, unless the service has been specifically excluded from the Engineer's scope of services and the Engineer has informed the Owner in writing of the need for it.

5. CONSULTANTS

5.1. The Engineer intends to retain the Consultants listed below to assist with the performance of its services.

Hubbell, Roth & Clark, Inc. (HRC)
Applied Science, Inc. (ASI)

6. PAYMENT TO ENGINEER FOR ENGINEERING SERVICES

6.1. The Owner will compensate the Engineer in accordance with the terms of this Engineering Services Agreement. With the exception of the services identified in Section 6.2 as being provided on stipulated sum basis, payment shall be made on an hourly fee for service basis, plus permitted reimbursable expenses. Hourly rates and stipulated sums may only be adjusted by Engineering Work Order.

6.2. The Engineer will provide the services listed below on stipulated sum basis (*inapplicable if left blank*):

| Service | Stipulated Sum (\$0.00) |
|----------------------------------|----------------------------------|
| Click or tap here to enter text. | Click or tap here to enter text. |

6.3. The billing rates for hourly services of the Engineer and the Engineer's Consultants are set forth below or on the attached Exhibit 1, as the case may be (*inapplicable if left blank and if no exhibit is attached*).

| Employee or Category | Rate (\$0.00) |
|----------------------------------|----------------------------------|
| Click or tap here to enter text. | Click or tap here to enter text. |

6.4. The Engineer's estimated compensation for each phase of services is as follows:

| | | |
|--|------------------|----------------------------------|
| Preliminary Engineering (Study) Phase Services | \$ | Click or tap here to enter text. |
| Design Phase Services | \$424,000 | Click or tap here to enter text. |
| Asset Management Services | \$ | Click or tap here to enter text. |
| Bidding Services | \$20,000 | Click or tap here to enter text. |
| Construction Phase Services | \$ | Click or tap here to enter text. |
| Construction Surveying and Layout | \$ | Click or tap here to enter text. |
| Resident Engineer (RE) Services | \$ | Click or tap here to enter text. |
| Resident Project Representative (RPR) Services | \$ | Click or tap here to enter text. |
| Additional Special Services | \$ | Click or tap here to enter text. |
| TOTAL | \$444,000 | Click or tap here to enter text. |

6.5. Please refer to Section 8 of the Engineering Services Agreement Standard Terms and

Conditions (DC-391 Part B) for additional procedures governing payment.

IN WITNESS WHEREOF, the parties hereto have executed this Engineering Services Agreement as of the day and year first referenced in this Engineering Services Agreement. (*signatures on following page*)

WITNESS

EVERGREEN FARMINGTON SANITARY DRAIN
DRAINAGE DISTRICT

Signature:

Print Name:

JIM NASH

Title:

CHAIRPERSON OF THE
EVERGREEN FARMINGTON
SANITARY DRAIN DRAINAGE
DISTRICT

WITNESS

Engineer:

FK Engineering Associates

Signature:

Print

Name:

Title:

Approved as to form:

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**

MEMORANDUM

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

FROM: Evans Bantios, P.E. Project Engineer

SUBJECT: Hubbell, Roth & Clark, Inc. consulting services for final design of the Walnut Lake No. 1 Corrective Action Plan project.

DATE: November 26, 2024

Hubbell, Roth & Clarke, Inc. (HRC) was awarded the preliminary design services for the Walnut Lake No. 1 Corrective Action Plan (CAP) project. During this phase of the work, it was decided that the work be split into two parts. HRC will design the new meter relocation; modify the Melrose weir and modify the Lathrup Village level sensor. FK Engineering will design the modifications to the siphon. The original preliminary design budget was \$137,660. The final design phase for HRC will cost \$96,500.

Requested Action: Approve the budget increase to HRC for the final design of the Walnut Lake No 1 Corrective Action Plan project to a not-to-exceed amount of \$234,160.

**Jim Nash Oakland County Water Resources Commissioner
Evergreen Farmington Sanitary Drain Drainage District
For the Walnut Lake No. 1 Pump Station Corrective Action Plan
Southfield, Michigan**

Engineering Work Order No. D-478 (1)**Date:** 11/18/2024**To:** Hubbell, Roth & Clarke, Inc.**For:** Final Design of the Melrose Weir Modification; GLWA Meter Relocation and Lathrup Level Sensor Modifications**DESCRIPTION**

This Engineering Work Order (EWO) is required to define specific additional tasks and compensation related to the Walnut Lake No. 1 Pump Station Corrective Action Plan that falls under DC-91 Part B, Sections 3 of contract no. CON10642. This EWO serves as your approval for compensation of the following additional services as delineated in your attached proposal.

The final design phase will include the following scope of work:

- Melrose Weir Structure Modifications (access thru ex risers with cones/topes removed, temp bypass)
- GLWA permanent flow meter relocation (access through ex manhole, new panel and easement)
- Lathrup Village level sensor modifications (access thru ex manhole)

The table below provides a cost breakdown of the various tasks.

| TASKS DESCRIPTION | AMOUNT |
|--|----------|
| Civil/Site Design/Topo Survey/Condition Assessment | \$28,400 |
| Electrical Design | \$10,000 |
| Structural / Process Design | \$18,300 |
| Project Management / Misc Prof Services | \$17,300 |
| Reimbursable Subconsultant Allowances | \$22,500 |
| TOTAL | \$96,500 |

HRC will agree to complete the design per the schedule set by EGLE for the Clean Water State Revolving Fund (CWSRF) Project Milestone Schedule for 4th Quarter Financing in Fiscal Year 2025.

Fees for this Engineering Work Order shall be billed on a time and material basis according to the contract standard fee and rate schedule as modified by your proposal. The total amount of the Engineering Services Agreement is to be increased by a not to exceed amount of \$96,500. This increases the total allowed project amount under this contract to \$234,160. This amount is not to be exceeded without written authorization from this office.

| | | | |
|--|-------------------------|--|-------------------------|
| RECOMMENDED | DATE: 11-20-2024 | ACCEPTED | DATE: 11-20-2024 |
| By: <i>Evangelos Bantios</i> | | By: <i>Daniel W Mitchell</i> | |
| Evangelos Bantios, P.E. Chief Engineer OCWRC | | Dan Mitchell, P.E. President Hubbell, Roth & Clark, Inc. | |
| | | | |
| APPROVED | DATE: 11/21/2024 | APPROVED | DATE: |
| By: <i>Joel Brown</i> | | By: | |
| Joel Brown, P.E. Chief Engineer OCWRC | | Steve Korth, P.E. Chief Manager OCWRC | |
| Approved by the Drainage District Board on: | | | |

| | | | |
|-----------------|------------|-------------------|------------|
| Department No.: | CCN6010101 | Account No.: | SC730639 |
| Fund No: | FND84410 | Program No.: | PRG149015 |
| Project No: | PRJ-17449 | Project Activity: | ENGCON |
| Contract No: | CON10642 | Contract Exp: | 12/31/2027 |

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

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

FROM: Scott Schultz, E.I.T. Project Engineer

SUBJECT: Walnut #2 Pump Station Upgrades Administrative Items

DATE: November 26, 2024

On October 8, 2024, three bids were received for the Walnut #2 Pump Station Rehabilitation Project. The bidding contractors and their respective bid totals are shown in the table below:

| Contractor | Bid Total |
|---------------------------------|------------------|
| Weiss Construction Company, LLC | \$2,711,948.00 |
| Lawrence M. Clarke, Inc. | \$1,858,100.00 |
| Sorenson Gross Company, LLC | \$2,094,200.00 |

DLZ Michigan Inc. (DLZ) reviewed the bids for completeness and conformance with the contract documents. DLZ's recommendation of award letter dated October 9, 2024 is attached. It provides review comments on the bid results for additional detail. DLZ determined that Lawrence M. Clarke is the lowest responsible bidder with a bid amount of \$1,858,100.00. For comparison, the Engineer's opinion of probable construction cost was \$2,419,840.50.

In 2023, the initial total project cost on the Walnut #2 Pump Station Rehabilitation Project was estimated at \$2,100,000 with construction costs estimated to be \$1,400,000. The actual construction cost upon receiving bids was \$1,858,100. Due to this cost increase, as well as increases in design and labor, the current project estimate has been revised to \$2,698,000 (see appended project cost estimate sheet). Accordingly, a budget increase of \$598,000 is requested to align with the current project estimate. This will be funded through Capital Improvement Reserves. The fund has a sufficient balance to accommodate the estimated additional expense, and the long-term stability of the reserve balances is not adversely impacted by this additional amount.

DLZ has provided a proposal for material testing services and Construction Engineering Services for the project. Additional Design Engineering fees have also been requested for additional efforts for permitting and zoning board approvals. The appended Engineering Work Order has been drafted to incorporate this additional scope for a not-to-exceed amount of \$129,210.37.

Requested Action: 1.) Award the Walnut #2 Pump Station Rehabilitation project to Lawrence M. Clarke and authorize the EFSDDD Chairperson to sign the Agreement in the amount of \$1,858,100.00. 2.) Approve the Engineering Work Order for DLZ's Construction Engineering Services, materials testing services, and additional Design Engineering fees for the Walnut #2 Pump Station Rehabilitation project totaling \$129,210.37, and 3.) Approve a project budget increase of \$598,000 to an overall not-to-exceed amount of \$2,698,000.

**Jim Nash Oakland County Water Resources Commissioner
Evergreen Farmington Sanitary Drain Drainage District
For the Walnut #2 Pump Station Rehabilitation
Bloomfield Township
Oakland County, Michigan**

Engineering Work Order No. D-477(3)

Date: 10/30/2024

To: DLZ Michigan, Inc.

For: EFSDDD Walnut #2 Pump Station Rehabilitation – Construction Engineering Services, Materials Testing, and Additional Design Services

DESCRIPTION

This Engineering Work Order (EWO) is required to define specific additional tasks and compensation related to the EFSDDD Walnut #2 Pump Station Rehabilitation Project that falls under Exhibit IX Section II. b of Contract No. CON009173. This EWO serves as your approval for compensation of the following additional services as delineated in your attached proposal.

Materials Testing Services

- Provide a qualified individual to perform field material testing of concrete at the time of placement in the field, when required the individual will be concrete certified. Testing will include slump, temperature, air content, and casting of concrete cylinders per the frequency requested by OCWRC. The invoice will reflect the number of cylinder molds used, which will be provided by DLZ and the number of cylinders broken at DLZ's laboratory.
- Provide a qualified individual to perform material testing on-site for soils compaction, using a Troxler nuclear density gauge. Density tests will be compacted to standard proctors performed in DLZ's material testing laboratory.
- DLZ is to coordinate with the Contractor for all required site-specific safety and training, as well as any equipment that is needed to facilitate services.

Assumptions:

- As often as possible DLZ will perform the tests listed in the scope, using the same qualified individual. However, when necessary, additional qualified individuals may need to be provided for days when there are multiple construction activities occurring or when OCWRC requires additional personnel.
- DLZ representatives will only be on-site when someone from OCWRC requests DLZ's services by 2:00PM EST the business day prior to the services being requested.

- Standard working hours are between 8:00AM to 5:00PM EST, Monday through Friday, excluding legal holidays. All work performed outside these hours will be considered premium time.
- All field technicians will have a four (4) hour minimum show-up time, including any cancellations by the OCWRC, less than eight (8) hours from mobilization to the site.
- DLZ's time and mileage will include portal to portal.
- It is assumed the Project Manager and Administration Staff will be needed for one (1) hour each week to review and provide the required documents to OCWRC. No hours are assumed for DLZ material testing personnel to attend progress meetings.
- Unless requested otherwise, field and laboratory tests will be performed using the appropriate ACI, ASTM, or AASHTO standard methods/guidelines.
- The fees presented in this proposal assume that prevailing wage rates are not required.
- All services will be certified by a DLZ licensed Professional Engineer in the State of Michigan.
- OCWRC is authorized to request and approve the performance of all services. Notification from OCWRC in writing shall serve as the authorization and approval to perform all services for which OCWRC agrees to pay DLZ, including additional services not specifically described in the scope of work.
- Any re-testing due to specification non-conformance by the contractor or subcontractors' fault will be invoiced as an additional service per the unit rates of the Contract.

Total Amount: \$10,888.00

Construction Engineering Services

- Conduct Pre-Construction Meeting
- Review and recommend approval of shop drawings
- Provide responses to Requests for Information
- Prepare Contract Change Orders
- Review and recommend Requests for Payment
- Attend Monthly Progress Meetings
- Be present at equipment testing and startup
- Develop the project Punchlist and assist with Close-Out
- Deliver record drawings and other closeout documents
- Part-time Resident Project Representation services as required
- Daily inspection to be performed by OCWRC staff

Total Amount: \$108,244.37

Additional Design Engineering Services

- Additional efforts for Bloomfield Township Zoning Board of Appeals Approval and Site Plan Approval, as well as the building permitting.

Total Amount: \$10,078.00

Fees for this Engineering Work Order shall be billed on a time and material basis according to the contract standard fee and rate schedule as modified by your proposal. The total amount of the As-Needed Contract is to be increased by a not-to-exceed amount of \$129,210.37. This amount is not to be exceeded without prior written authorization from this office.

| | | | |
|--|-------------------------|--|----------------------------|
| RECOMMENDED | DATE: 11/15/24 | ACCEPTED | DATE: |
| By: <i>Scott Schultz</i> | | By: <i>Manoj Sethi</i> | |
| Scott Schultz, E.I.T. Project Engineer OCWRC | | Manoj Sethi, P.E. President DLZ Michigan, Inc. | |
| | | | |
| APPROVED | DATE: 11/15/2024 | APPROVED | DATE: Nov. 19, 2024 |
| By: <i>Joel Brown</i> | | By: <i>Steven Korth</i> | |
| Joel Brown, P.E. Chief Engineer OCWRC | | Steve Korth, P.E. Chief Manager OCWRC | |
| Approved by the Drainage District Board on: | | | |

| | | | |
|-----------------|------------|-------------------|-----------|
| Department No.: | CCN6010101 | Account No.: | SC730639 |
| Fund No.: | FND82410 | Program No.: | PRG149667 |
| Project No.: | PRJ-17458 | Project Activity: | ENGCON |
| Contract No.: | CON009173 | Contract Exp: | 8/31/2026 |

**Jim Nash, Oakland County Water Resources Commissioner
Evergreen Farmington Sanitary Drain Drainage District
8 Mile Road CAP 8 Mile Road Pump Station & SSO Chamber Improvements - Phase 1
Southfield
Oakland County, Michigan**

Construction Estimate No. 32


October 1, 2024 to Oct 31, 2024

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

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

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

| | | |
|--|-----------------|---------------------|
| Original Contract Amount: | | \$0.00 |
| Previous Change Order Numbers: CO Nos. 1 through 9. | | \$50,512,444.14 |
| Change Orders This Estimate Number: | | \$0.00 |
| Total Net Change Orders: | | \$50,512,444.14 |
| Adjusted Contract Amount: | | \$50,512,444.14 |
| Subtotal To Date: (Sheet 2 of 3 Column 7) | | \$28,041,261.68 |
| Less Deductions to Date: (Sheet 2 of 3 Column 7) | | \$0.00 |
| Gross Estimate: (Work in Place) | 55.51% | \$28,041,261.68 |
| Less Amount Reserved: (5% of Adjusted Contract Amount) | | \$2,525,622.21 |
| Total Amount Allowed To Date: | | \$25,515,639.47 |
| Less Previous Estimates: | | \$24,905,550.02 |
| Net Payment Request To Be Paid To Contractor: | | \$610,089.45 |
| Reserve Payment to Contractor | | \$0.00 |
| Balance of Contract To Date | \$22,471,182.46 | Accounting Auditor: |
| Less Previous Transfers To Reserve: | | \$2,525,622.21 |
| Amount of Current Transfer: | | \$0.00 |

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

Date: 2024 11 07

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

Date: 11/7/2024

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

Date: 11-15-2024

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

Date: 11/15/2024

Approved by Board on: _____

**JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting

Shawn Phelps

DATE: November 26, 2024

SUBJECT: Request for Approval of Invoices

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

| Payable To | Ref No. | For | Amount |
|---------------------------------------|--------------|--|-------------------|
| Hubbell Roth and Clark Inc | SINV00296951 | Inv#0216898 - Engineering Services - Proj #17432 | 1,650.00 |
| Hubbell Roth and Clark Inc | SINV00296957 | Inv#0218154 - Engineering Services - Proj #17432 | 1,331.40 |
| | | Subtotal - Project #17432 | 2,981.40 |
| D Angelo Brothers | SINV00297236 | Inv#N230006-R - Contracted Services - Proj #17433 | 7,349.45 |
| | | Subtotal - Project #17433 | 7,349.45 |
| Alliance of Rouge Communities | SINV00301864 | Inv#202212 - Contracted Services - Proj #17438 | 1,757.50 |
| | | Subtotal - Project #17438 | 1,757.50 |
| Fishbeck | SINV00302268 | Inv#441380 - Engineering Services - Proj #17455 | 4,976.70 |
| Fishbeck | SINV00302271 | Inv#443855 - Engineering Services - Proj #17455 | 2,083.60 |
| | | Subtotal - Project #17455 | 7,060.30 |
| DLZ Michigan Inc | SINV00298720 | Inv#000401990 - Engineering Services - Proj #17554 | 12,203.21 |
| | | Subtotal - Project #17554 | 12,203.21 |
| DLZ Michigan Inc | SINV00298719 | Inv#000401989 - Engineering Services - Proj #17555 | 6,877.21 |
| | | Subtotal - Project #17555 | 6,877.21 |
| Fishbeck | SINV00300335 | Inv#443926 - Contracted Services - Proj #17580 | 1,212.00 |
| | | Subtotal - Project #17580 | 1,212.00 |
| ADS LLC | SINV00298716 | Inv#35801-0824-I - Contracted Services | 2,770.00 |
| ADS LLC | SINV00298718 | Inv#35801-0824-K - Contracted Services | 4,725.00 |
| ADS LLC | SINV00300333 | Inv#35801-0824-A - Contracted Services | 51,275.00 |
| Allied Building Service Co of Detroit | SINV00299739 | Inv#00348995 - Contracted Services | 6,161.00 |
| Allied Building Service Co of Detroit | SINV00302624 | Inv#00351861 - Contracted Services | 2,918.00 |
| Applied Science Inc | SINV00297646 | Inv#8917 - Contracted Services | 10,847.25 |
| Applied Science Inc | SINV00297647 | Inv#8914 - Contracted Services | 4,177.50 |
| Applied Science Inc | SINV00297649 | Inv#8919 - Contracted Services | 2,522.00 |
| Kotz Sangster Wysocki PC | TBP | Inv#610212 - Legal Services | 46,883.50 |
| Kotz Sangster Wysocki PC | TBP | Inv#611828 - Legal Services | 37,613.75 |
| Orchard Hiltz and McCliment Inc | SINV00300338 | Inv#80667 - Contracted Services | 6,499.00 |
| SEMCOG/Southeast MI Council of Govt | SINV00298291 | Inv#INV02358 - Membership Dues | 19,771.28 |
| | | Subtotal | 196,163.28 |
| | | Total | 235,604.35 |

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting

Shawn Phelps

DATE: November 26, 2024

SUBJECT: Request for Approval of Invoices

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

| Payable To | Ref No. | For | Amount |
|----------------------------|--------------|---|-------------------|
| Applied Science Inc | SINV00298732 | Inv#8915 - Contracted Services - PRJ-17449 | 1,552.00 |
| Hubbell Roth and Clark Inc | SINV00298738 | Inv#0220684 - Engineering Services - PRJ-17449 | 8,329.09 |
| Hubbell Roth and Clark Inc | SINV00302627 | Inv#0222205 - Engineering Services - PRJ-17449 | 2,668.25 |
| | | Subtotal - Project #17449 | 12,549.34 |
| Hubbell Roth and Clark Inc | SINV00298735 | Inv#0220537 - Engineering Services - PRJ-17450 | 4,194.42 |
| Hubbell Roth and Clark Inc | SINV00298736 | Inv#0220538 - Engineering Services - PRJ-17450 | 3,775.68 |
| Hubbell Roth and Clark Inc | SINV00298739 | Inv#0220686 - Engineering Services - PRJ-17450 | 1,009.86 |
| Hubbell Roth and Clark Inc | SINV00298740 | Inv#0220687 - Engineering Services - PRJ-17450 | 1,238.91 |
| Hubbell Roth and Clark Inc | SINV00302626 | Inv#0221599 - Engineering Services - PRJ-17450 | 1,181.82 |
| | | Subtotal - Project #17450 | 11,400.69 |
| Arthur J Gallagher & Co | SINV00300308 | Inv# 5290710 - Insurance - Proj #17452 | 50,440.00 |
| Fishbeck | SINV00297070 | Inv#442486 - Engineering Services - PRJ-17452 | 10,940.00 |
| Fishbeck | SINV00298733 | Inv#443156 - Engineering Services - PRJ-17452 | 10,695.67 |
| Fishbeck | SINV00302625 | Inv#444018 - Engineering Services - PRJ-17452 | 13,809.20 |
| NTH Consultants Ltd | SINV00298743 | Inv#637168 - Engineering Services - PRJ-17452 | 13,448.73 |
| NTH Consultants Ltd | SINV00302628 | Inv#637468 - Engineering Services - PRJ-17452 | 9,076.25 |
| PMA Consultants LLC | SINV00298745 | Inv#04582.00-1.0-21 - Professional Services - PRJ-17452 | 2,710.00 |
| | | Subtotal - Project #17452 | 111,119.85 |
| | | Total | 135,069.88 |

2. Drainage District Policy

AGENDA

DRAINAGE BOARD FOR POLICY MATTERS

November 26, 2024

1. Call meeting to order
2. Approve minutes of meeting of September 24, 2024
3. Public Comments
4. Present Proposed 2025 Meeting Schedule
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

September 24, 2024

A meeting of the Drainage Board for Policy Matters was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 24th day of September 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

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

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

ADOPTED: Yeas - 2
Nays - 0

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

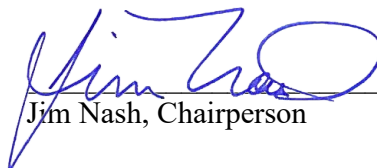
A proposal from Gallagher regarding the renewal of the General Liability, Public Official Liability Policy, and Pollution Liability was presented. It was moved by Markham, supported by Nash, to authorize the Chairperson to bind coverage in accordance with the insurance proposal recommendations from Gallagher insurance agency with Liberty Mutual and approve payment of any premium and/or other invoices associated with the policy renewals.

ADOPTED: Yeas - 2
Nays - 0

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

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.

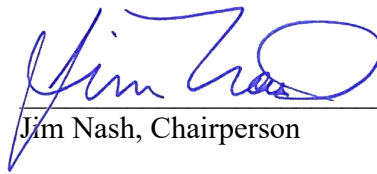


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for Policy Matters, Oakland County, Michigan, held on the 24th day of September 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: September 24, 2024

Chapter 20 Drainage Board 2025 Meeting Schedule

These meetings will take place at 2 p.m. in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan and on the fourth Tuesday of each month unless otherwise indicated:

January 28th

February 25th

March 25th

April 22nd

May 27th

June 24th

July 22nd

August 26th

September 23rd

October 28th

*November 18th (*third Tuesday due to Thanksgiving*)

*December 16th (*third Tuesday due to Christmas*)



3. Acacia Park CSO

AGENDA

DRAINAGE BOARD FOR THE ACACIA PARK CSO DRAIN

November 26, 2024

1. Call meeting to order
2. Approve minutes of meeting of October 22, 2024
3. Public Comments
4. Present Memorandum from Lesli Maes, P.E., Operations Engineer, dated November 26, 2024, requesting the Board approve the Disinfection System Improvements project for the Drainage District's Treatment Basin at the cost of \$250,000 utilizing funds from Capital Improvement reserves
5. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$98,040.75
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**

October 22, 2024

A meeting of the Drainage Board for the Acacia Park CSO Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 22nd day of October 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

David Woodward, Chairperson of the Oakland County Board of Commissioners

ABSENT: None.

Minutes of the meeting held September 24, 2024, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

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

A request for reimbursement of the Evergreen Farmington Fund in the amount of \$92,537.59 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the reimbursement of the Evergreen Farmington Fund in the amount of \$92,537.59.

ADOPTED: Yeas - 3
Nays - 0

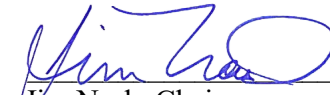
A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$136,684.83 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$136,684.83.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.




Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Acacia Park CSO Drain, Oakland County, Michigan, held on the 22nd day of October 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: October 22, 2024

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**

MEMORANDUM

TO: Jim Nash, Chairperson of the Acacia Park CSO Drainage Board

FROM: Lesli Maes, P.E., Operations Engineer

SUBJECT: Disinfection System Improvement Project for Approval

DATE: November 26, 2024

Staff is requesting approval to initiate a disinfection system improvements project for the Acacia Park Retention Treatment Basin at a cost of \$250,000. This project will include the replacement of actuated valves, piping and three chemical feed pumps. Replacement of the valves and piping is recommended based on the age of the existing equipment. The existing air diaphragm pumps will be replaced with peristaltic pumps that offer an improved equipment lifespan, more accurate dosing, reduced maintenance costs and improved monitoring capabilities.

Requested Action: Approve the Disinfection System Improvements project for the Acacia Park CSO Retention Treatment Basin at a cost of \$250,000 utilizing funds from Capital Improvement reserves.

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting



DATE: November 26, 2024

SUBJECT: Request for Board approval of payment of the following invoice(s):

| Ref No. | Paid To | For | Amount |
|--------------|---------------------|----------------------------------|---------------------|
| TBP | ICS Integration | Invoice # 3126 | 593.59 |
| SINV00299292 | ICS Integration | Invoice # 3116 | 1,340.00 |
| | | Subtotal | \$ 1,340.00 |
| SINV00298331 | Pipeline Management | Invoice # 24-01419 - PRJ-17394 | \$15,154.00 |
| SINV00298332 | Pipeline Management | Invoice # 24-01450 - PRJ-17394 | \$76,343.75 |
| SINV00298333 | Pipeline Management | Invoice # 24-01533 - PRJ-17394 | 3,648.00 |
| | | Subtotal - Project 1-7394 | \$95,145.75 |
| SINV00300348 | Fishbeck | | \$1,555.00 |
| | | Subtotal - Project 1-7646 | \$ 1,555.00 |
| | | Total | \$ 98,040.75 |

4. Birmingham CSO

AGENDA

DRAINAGE BOARD FOR THE BIRMINGHAM CSO DRAIN

November 26, 2024

1. Call meeting to order
2. Approve minutes of meeting of October 22, 2024
3. Public Comments
4. Present Memorandum from Lesli Maes, P.E., Operations Engineer, dated November 26, 2024, requesting the Board approve the Disinfection System Improvements project for the Drainage District's Treatment Basin at the cost of \$350,000 utilizing funds from Capital Improvement reserves
5. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$8,908.00
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**

October 22, 2024

A meeting of the Drainage Board for the Birmingham CSO Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 22nd day of October 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

David Woodward, Chairperson of the Oakland County Board of Commissioners

ABSENT: None.

Minutes of the meeting held September 24, 2024, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

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

A request for reimbursement of the Evergreen Farmington Fund in the amount of \$99,189.75 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the reimbursement of the Evergreen Farmington Fund in the amount of \$99,189.75.

ADOPTED: Yeas - 3
Nays - 0

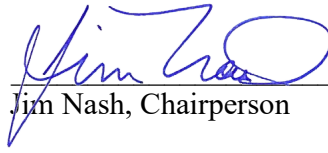
A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$116,677.02 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$116,677.02.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.

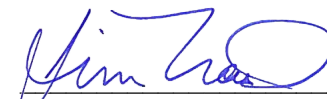


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Birmingham CSO Drain, Oakland County, Michigan, held on the 22nd day of October 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: October 22, 2024

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**

MEMORANDUM

TO: Jim Nash, Chairperson of the Birmingham CSO Drainage Board

FROM: Lesli Maes, P.E., Operations Engineer

SUBJECT: Disinfection System Improvement Project for Approval

DATE: November 26, 2024

Staff is requesting approval to initiate a disinfection system improvements project for the Birmingham Retention Treatment Basin at a cost of \$350,000. This project will include the replacement of actuated valves, piping and three chemical feed pumps. Replacement of the valves and piping is recommended based on the age of the existing equipment. The existing air diaphragm pumps will be replaced with peristaltic pumps that offer an improved equipment lifespan, more accurate dosing, reduced maintenance costs and improved monitoring capabilities.

Requested Action: Approve the Disinfection System Improvements project for the Birmingham CSO Retention Treatment Basin at a cost of \$350,000 utilizing funds from Capital Improvement reserves.

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting

Shawn Phelps

DATE: November 26, 2024

SUBJECT: Request for Board approval of payment of the following invoice(s):

| Ref No. | Paid To | For | Amount |
|--------------|------------------------------|--|--------------------|
| SINV00298716 | ADS LLC | Invoice # 35801-0824-I | \$ 495.00 |
| SINV00299288 | ICS Integration Services LLC | Invoice # 3120 | \$ 1,742.00 |
| | | Total | \$ 2,237.00 |
| SINV00300345 | ICS Integration Services LLC | Invoice # 3119 - _ Proj 1-7272 | \$ 1,608.00 |
| | | Project # 1-7272 Total | \$ 1,608.00 |
| TBP | ICS Integration Services LLC | Invoice # 3117 - Proj 1-3196 | \$ 402.00 |
| | | Project # 1-3196 Total | \$ 402.00 |
| SINV00302285 | FK Engineering | Invoice # 24-145-001 - Contracted Services - Proj 1-7696 | \$ 2,500.00 |
| | | Project # 1-7696 Total | \$ 2,500.00 |
| SINV00300348 | Fishbeck | Invoice # 443925 - Contracted Services - Proj 1-7648 | \$ 2,161.00 |
| | | Project # 1-7648 Total | \$ 2,161.00 |
| | | Grand Total | \$ 8,908.00 |

5. Bloomfield Village CSO

AGENDA

DRAINAGE BOARD FOR THE BLOOMFIELD VILLAGE CSO DRAIN

November 26, 2024

1. Call meeting to order
2. Approve minutes of meeting of October 22, 2024
3. Public Comments
4. Present Memorandum from Lesli Maes, P.E., Operations Engineer, dated November 26, 2024, requesting the Board approve the Disinfection System Improvements project for the Drainage District's Treatment Basin at the cost of \$350,000 utilizing funds from Capital Improvement reserves
5. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$30,321.28
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

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

October 22, 2024

A meeting of the Drainage Board for the Bloomfield Village CSO Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 22nd day of October 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

ABSENT: None.

Minutes of the meeting held September 24, 2024, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

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

A request for reimbursement of the Evergreen Farmington Fund in the amount of \$120,319.55 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the reimbursement of the Evergreen Farmington Fund in the amount of \$120,319.55.

ADOPTED: Yeas - 3
Nays - 0

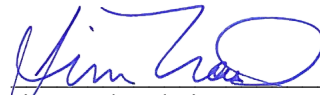
A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$34,226.42 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$34,226.42.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.

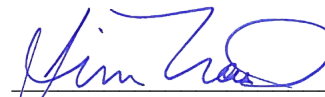


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Bloomfield Village CSO Drain, Oakland County, Michigan, held on the 22nd day of October 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: October 22, 2024

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**

MEMORANDUM

TO: Jim Nash, Chairperson of the Bloomfield Village CSO Drainage Board

FROM: Lesli Maes, P.E., Operations Engineer

SUBJECT: Disinfection System Improvement Project for Approval

DATE: November 26, 2024

Staff is requesting approval to initiate a disinfection system improvements project for the Bloomfield Village Retention Treatment Basin at a cost of \$350,000. This project will include the replacement of actuated valves, piping and three chemical feed pumps. Replacement of the valves and piping is recommended based on the age of the existing equipment. The existing air diaphragm pumps will be replaced with peristaltic pumps that offer an improved equipment lifespan, more accurate dosing, reduced maintenance costs and improved monitoring capabilities.

Requested Action: Approve the Disinfection System Improvements project for the Bloomfield Village CSO Retention Treatment Basin at a cost of \$350,000 utilizing funds from Capital Improvement reserves.

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

FROM: Shawn Phelps, Chief of Fiscal Serv.
OCWRC Accounting

Sj Phelps

DATE: November 26, 2024

SUBJECT: Request for Board approval of payment of the following invoice(s):

| Ref No. | Paid To | For | Amount |
|--------------|------------------------------|--|---------------------|
| SINV00302287 | Detroit Pump | Invoice # 1085017 | 22,829.00 |
| TBP | ICS Integration Services LLC | Invoice # 3126 - Materials and Supplies | 593.59 |
| SINV00299287 | ICS Integration Services LLC | Invoice # 3121 - Materials and Supplies | 1,876.00 |
| SINV00297253 | Johnson Controls Inc | Invoice # 1-134497209294 - Contracted Services | \$ 1,739.19 |
| | | Total | \$ 27,037.78 |
| SINV00300348 | Fishbeck | Invoice # 443925 - Contracted Services - Proj 1-7651 | 3,283.50 |
| | | Project # 1-7651 Total | \$ 3,283.50 |
| | | Grand Total | \$ 30,321.28 |

6. George W. Kuhn Drain

AGENDA

DRAINAGE BOARD FOR THE GEORGE W. KUHN DRAIN

November 26, 2024

1. Call meeting to order
2. Approve minutes of meeting of October 22, 2024
3. Public Comments
4. Present Memorandum from Lesli Maes, P.E., Operations Engineer, dated November 26, 2024, requesting the Board approve the GWK Retention Treatment Basin project at a cost of \$326,000 utilizing funds from Major Maintenance and Capital Improvement reserves
5. Present Memorandum from George Nichols, P.E., Assistant Chief Engineer, date November 26, 2024, requesting the Board approve the requested compensation for an additional \$15,000 to Hubbell, Roth, & Clark for construction administration services rendered for the 2023 GWK Sewer Cleaning and Inspection project and authorize the Chairperson to sign the additional scope of services letter on behalf of the Board
6. Present Change Order No. 2 for TSP Services Inc. for Construction of the GWK Parking Lot and Green Infrastructure Project for a net increase in the amount of \$4,847.10
7. Present Change Order No. 1 for Pipeline Management Company, LLC for Construction of the 2024 GWK Sewer Cleaning and Inspection for a net decrease in the amount of \$17,369.29
8. Present Construction Estimate No. 5 for Rolls Mechanical for Construction of the HomeGuard Program in the amount of \$42,610.02
9. Present Construction Estimate No. 5 for TSP Services, Inc. for Construction of the GWK Parking Lot and Green Infrastructure – Phase 1 in the amount of \$ 20,152.64 with a transfer to the Oakland County Treasurer in the amount of \$242.36
10. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$13,662.02
11. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund from the Construction Fund in the amount of \$8,722.00
12. Other business
13. Approve pro rata payment to Drainage Board members
14. Adjourn

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

October 22, 2024

A meeting of the Drainage Board for the George W. Kuhn Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 22nd day of October 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

ABSENT: None.

Minutes of the meeting held September 24, 2024, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

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

Construction Estimate No. 4 for Rolls Mechanical for Construction of the HomeGuard Program in the amount of \$31,801.84 was presented. It was moved by Markham, supported by Woodward, to approve Construction Estimate No. 4 for Rolls Mechanical for Construction of the HomeGuard Program in the amount of \$31,801.84 as presented.

ADOPTED: Yeas - 3
Nays - 0

Construction Estimate No. 4 for TSP Services, Inc. for Construction of the GWK Parking Lot and Green Infrastructure – Phase 1 in the amount of \$34,142.00 was presented. It was moved by Markham, supported by Woodward to approve Construction Estimate No. 4 for TSP Services, Inc. for Construction of the GWK Parking Lot and Green Infrastructure – Phase 1 in the amount of \$34,142.00 as presented.

ADOPTED: Yeas - 3
Nays - 0

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$207,418.19 (as attached) was presented. It was moved by

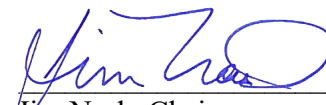
Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$207,418.19.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.

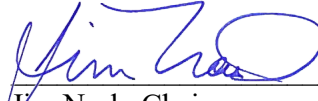


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the George W. Kuhn Drain, Oakland County, Michigan, held on the 22nd day of October 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: October 22, 2024

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**
MEMORANDUM

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

FROM: Lesli Maes, P.E., Operations Engineer

SUBJECT: GWK Major Maintenance and Capital Improvement Projects for Approval

DATE: November 26, 2024

Recommendations for rehabilitation or replacement of assets within the George W. Kuhn (GWK) Drain Drainage District are continually being identified, evaluated, and planned for by WRC staff including the asset management group, staff engineers and operations supervisors.

Staff is requesting approval to initiate the following major maintenance and capital improvement projects for the District.

**GWK FY2025 Reserves Projects
Pollution Control Facility (PCF)**

| MM & Capital Improvement Projects - PCF | Project Budget |
|--|-----------------------|
| GWK SCADA Ignition Upgrade | \$ 55,000 |
| GWK Replace 4 Chlorine Tank Level Sensors | \$ 25,000 |
| GWK Treatment Building Replace Make Up Air Unit 1 | \$ 100,000 |
| GWK Treatment Building Screen Room Roof Condition Assessment/Rehab | \$ 50,000 |
| Dequindre PS Replace Sample Pumps | \$ 26,000 |
| Dequindre PS Rebuild Flushing Pumps P-1, P-3, Revised | \$ 70,000 |
| Subtotal: | \$ 326,000 |

This work was anticipated and budgeted for in the GWK Reserves.

Requested Action: Approve the above-listed GWK Retention Treatment Basin projects at a cost of \$326,000 utilizing funds from Major Maintenance and Capital Improvement reserves.

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**

MEMORANDUM

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

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

SUBJECT: George W. Kuhn 2023 Sewer Cleaning and Inspection Project
Fund #58510

DATE: November 26, 2024

Hubbell, Roth & Clark (HRC) has been retained by the GWK Drainage Board to provide contract administration services and assistance in evaluating sewer videos collected and logged various features and defects to determine potential rehabilitation recommendations. During the course of performing its engineering services, many other additional items were requested. These included:

- Outlining all PACP defect types by system
- Addressing all PACP Level 3, 4 and 5 defects and providing cost estimates
- Preparing maps showing the PACP Quick Score and summary table
- Providing extra construction administration services for televising additional sewer pipes

A detailed description of each service and associated cost is outlined in the attached October 21, 2024 letter from HRC. The GWK Drainage District Sewage Disposal fund has the necessary reserves available for this project.

Requested Action: Authorize the George W. Kuhn Drainage Board to approve the requested compensation for an additional \$15,000 to Hubbell, Roth & Clark for construction administration services rendered for the 2023 GWK Sewer Cleaning and Inspection project, and authorize the Chairperson to sign the additional scope of services letter on behalf of the Drainage Board.



October 21, 2024

Oakland County Water Resources Commissioner's Office
One Public Works Drive
Waterford, Michigan 48328
Attn: Mr. George Nichols, P.E.

Re: 2023 George W. Kuhn Drain (GWK) Sewer Cleaning and Inspection Project HRC Job No. 20220486.09
Additional Scope Request

Dear Mr. Nichols:

As you know, Hubbell, Roth & Clark, Inc. (HRC) was approved by the GWK Drain Board on August 26, 2023, to proceed with the scope of work for the FY2023 GWK Sewer Cleaning and Inspection Project, as outlined in our letter proposal dated, September 11, 2023. Our scope of service for that work generally included the following:

- Contract administration for your contract with Doetsch Environmental Services, Inc. to CCTV inspect the Baldwin, Lawson, Cambell and 12 Towns Middle sections of combined sewers, based on documents previously prepared by HRC under another proposal.
- Assistance in evaluation of the sewer videos collected and logging various features and defects in a spreadsheet given to us by your office (the "watchlist") and to make recommendations for rehabilitation or repair recommendations.

As part of that work, we sent a draft report that included a summary of overall findings and preliminary recommendations for rehabilitation. We discussed that report during our meeting with you and Evans Bantios of your office on October 18, 2024, and understand your Office would like some additional analysis made, beyond what was described in our original scope of work. We understand your office would like HRC to do the following:

- Prepare a table showing a count of all PACP defect types by system found in the inspections.
- Prepare additional spreadsheets that make recommendations to address all PACP Level 4 and 5 defects (Structural and Maintenance) and provide cost estimates.
- Prepare additional spreadsheets that make recommendations to address all PACP Level 3, 4 and 5 defects (Structural and Maintenance) and provide cost estimates.
- Prepare maps showing the PACP Overall Quick Score and present a table that summarizes all defects found during inspection.
- OCWRC understands that the proposed cost estimates will be preliminary, planning-level estimates made for budgetary purposes only. Particularly for rehabilitation of pipes using grout, the actual construction costs will depend on local pipe construction methods, native soil, groundwater levels, need for traffic control and bypassing, etc. that cannot be ascertained at this time.
- After a meeting to review the additional spreadsheets and cost estimates, HRC will revise the recommendations previously made in the draft report to reflect a plan that addresses either all Level 4 and 5 defects, or if sufficient budget is available, a plan to address all Level 3, 4, and 5 defects, as well as addressing any other defects in the pipes that would be rehabilitated/repairs and possibly adjacent pipes if mobilization, bypassing and other construction factors would make it cost-effective to do so.

In addition to the additional sewer evaluation work, HRC expended some additional time and effort to coordinate CCTV of additional combined sewer pipes with Doetsch that were added via Change Order to the project. Therefore, we also incurred some additional construction administration time. We therefore respectfully request consideration for **an additional \$15,000 in fees**, as shown in the table below. The table includes the hours and costs from our original budget of \$48,150.00, **for a**

revised total cost of \$63,150.00.

COST ESTIMATE

**2023 GWK Sewer Cleaning and televising
Construction Engineering and Assessment Phase - Scope Adjustment Request**

October 21, 2024
HRC Job No. 20220486

| Task Description | Sr. Associate / Partner | | Manager | | Project Engineer | | Grad Engineer I | | Total | TOTAL COST |
|--|-------------------------|-------------|---------|-------------|------------------|--------------|-----------------|--------------|-------|--------------|
| | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | Hours | |
| Pre-Construction Meeting and Prep | 2 | \$ 400.00 | 6 | \$ 1,020.00 | 6 | \$ 750.00 | | \$ - | 14 | \$ 2,170.00 |
| Progress Construction Meetings | 0 | | 12 | \$ 2,040.00 | 12 | \$ 1,500.00 | 6 | \$ 540.00 | 30 | \$ 4,080.00 |
| Construction Administration Assistance | 8 | \$ 1,600.00 | 20 | \$ 3,400.00 | 60 | \$ 7,500.00 | 20 | \$ 1,800.00 | 108 | \$ 14,300.00 |
| Condition Assessment Review & Report | 2 | \$ 400.00 | 10 | \$ 1,700.00 | 60 | \$ 7,500.00 | 200 | \$ 18,000.00 | 272 | \$ 27,600.00 |
| | 12 | \$ 2,400.00 | 48 | \$ 8,160.00 | 138 | \$ 17,250.00 | 226 | \$ 20,340.00 | 424 | \$ 48,150.00 |

| Additional Scope Request | | | | | | | | | | |
|--|---|-----------|----|-------------|----|-------------|----|-------------|-----|---------------------|
| Construction Administration Assistance | | \$ - | | \$ - | 20 | \$ 2,500.00 | 10 | \$ 900.00 | 30 | \$ 3,400.00 |
| Additional Assessment Review & Reporting | 4 | \$ 800.00 | 15 | \$ 2,550.00 | 30 | \$ 3,750.00 | 50 | \$ 4,500.00 | 99 | \$ 11,600.00 |
| | 4 | \$ 800.00 | 15 | \$ 2,550.00 | 50 | \$ 6,250.00 | 60 | \$ 5,400.00 | 129 | \$ 15,000.00 |
| TOTAL FEE: | | | | | | | | | | \$ 63,150.00 |

If you have any questions or concerns, please do not hesitate to reach out to us. We are more than happy to discuss any aspects of the proposed changes in further detail.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.



Daniel Mitchell, P.E.
President

pc: OCWRC; Evans Bantios, Jason Say
HRC; Sally Duffy, Matt Hughes



Karyn Stickel, P.E.
Senior Associate

Accepted By:

Signature: _____

Written Name: _____

Title: _____

Dated: _____

CHANGE ORDER

CHANGE ORDER NO. 2

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

Authorization for Extras To & Changes In Contract

Department No. : CCN6010101

Account No. : 730373

Fund No. : FND58520

Program No. : 149667

Project No. : PRJ-13484

Project Activity : STD

Purchase Order No: PO00058359

Contractor : TSP Services, Inc.

Contract No. : 10860

25000 Capitol

Date of Contract: 4/17/24

Redford, MI 48239

Completion Date: 4/16/26

| Auth No. | Location-Description-Reason | Unit Used | Est. Qty. | Unit Price | Amount Increase | Amount Decrease |
|----------|---|-----------|-----------|------------|-----------------|-----------------|
| 2-1 | LOCATION: GWK Bioretention Area DESCRIPTION (Change/Add): Relocation of 4 trees REASON: Trees were relocated due to possibility of encroaching on existing utilities in future years. | LS | 1.0 | \$1,300.00 | \$1,300.00 | --- |
| 2-2 | LOCATION: GWK Parking Lot and Green Infrastructure Project DESCRIPTION (Extra Delete): | | | | | |

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

CHANGE ORDER

| Auth No. | Location-Description-Reason | Unit Used | Est. Qty. | Unit Price | Amount Increase | Amount Decrease |
|----------|---|-----------|-----------|------------|-----------------|-----------------|
| | Deduct unused permit allowance, Line Item 1 REASON: Permit allowance more than needed | Dlr | -2324.9 | \$1.00 | --- | \$2,324.90 |
| 2-3 | LOCATION: GWK Parking Lot DESCRIPTION (Extra Delete): Subgrade Undercutting, Line Item 6 REASON: Unused line item quantity | Cyd | -32.0 | \$50.00 | --- | \$1,598.00 |
| 2-4 | LOCATION: GWK Parking Lot DESCRIPTION (Extra/Add): Aggregate Base, 6 inch, Line Item 14 REASON: Adjusting for actual quantity versus bid quantity | Syd | 375.0 | \$9.00 | \$3,375.00 | --- |
| 2-5 | LOCATION: GWK Parking Lot DESCRIPTION (Extra/Add): Curb and Gutter, Concrete, Det F2, Modified, Line Item 28 | Ft | 16.0 | \$45.00 | \$720.00 | --- |

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

CHANGE ORDER

| Auth No. | Location-Description-Reason | Unit Used | Est. Qty. | Unit Price | Amount Increase | Amount Decrease |
|----------|--|-----------|-----------|--------------|-----------------|-----------------|
| | REASON: Adjusting for actual quantity versus bid quantity | | | | | |
| 2-6 | LOCATION: GWK Parking Lot DESCRIPTION (Extra/Add): Excavation, Earth, Line Item 53 REASON: Adjusting for actual quantity versus bid quantity | Cyd | 225.0 | \$15.00 | \$3,375.00 | --- |
| | | | | Totals | \$8,770.00 | \$3,922.90 |
| | | | | Net Increase | \$4,847.10 | --- |

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

CHANGE ORDER NO. 2

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

Prepared by: Lesli Maes Date: 11/13/2024
Lesli Maes, P.E. - Project Engineer

Recommended by: [Signature] Date: 11/13/24
Jamie Burton, P.E. - Consultant

Approved by: Evangelos Bantios Date: 11-15-2024
Evans Bantios, P.E. - Chief Engineer

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

Accepted by: Charles Spencer Date: 11-14-2024
Charles Spencer, PE
TSP Services, Inc.

Approved by: Gary Nigro Date: November 21, 2024
Gary Nigro, P.E.
Manager

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

This Change Order was approved by the Drainage Board on:

CHANGE ORDER

CHANGE ORDER NO. 2

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

| | |
|---------------------------------------|---------------------|
| Notice to Proceed Date: | 4/17/2024 |
| Contract Substantial Completion Date: | 10/31/2024 |
| Contract Final Completion Date: | 4/16/2024 |
| Original Contract Value: | \$395,392.00 |
| Previous C.O. Values: | \$1,970.60 |
| Change Order No. 2 Value | \$4,847.10 |
| Adjusted Contract Value | \$402,209.70 |

**JIM NASH
OAKLAND COUNTY WATER RESOURCE COMMISSIONER**

CHANGE ORDER**CHANGE ORDER NO. 1**

Jim Nash, Oakland County Water Resources Commissioner
System Name or Drainage District Name
For Construction of the 2024 G.W.K. Sewer Cleaning and Inspection
George W. Kuhn Drain Drainage District
Oakland County, Michigan

Authorization for Extras To & Changes In Contract

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

Account No. : 730373
Program No. : 149127
Project Activity : FAC

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

Contract No. : 10919
Date of Contract: April 8, 2024
Completion Date: April 26, 2025

| Auth No. | Location-Description-Reason | Unit Used | Est Qty | Unit Price | Amount Increase | Amount Decrease |
|----------|--|-----------|---------|------------|-----------------|-----------------|
| | LOCATION: Drains as Noted | | - | | | |
| | <u>DESCRIPTION</u> | | | | | |
| A | CHANGE - ADD/DELETE | | | | | |
| | Royal Oak Main Drain | | | | | |
| A-1 | Permit Allowance (Bid Item #3) | DLR | (100) | \$1.00 | - | (\$100.00) |
| A-2 | Clean and Televis, PACP Reporting, 132" Combined Sewer (Bid Item #4) | LFT | (40) | \$4.15 | - | (\$166.00) |
| A-3 | Clean and Televis, PACP Reporting, 180" Combined Sewer (Bid Item #6) | LFT | (69) | \$4.15 | - | (\$286.35) |
| A-4 | Clean and Televis, PACP Reporting, Horseshoe, Combined Sewer (Bid Item #7) | LFT | 39 | \$4.15 | \$161.85 | - |
| A-5 | Locate and Expose Manhole, As Required (Bid Item #8) | EA | (1) | \$1.00 | - | (\$1.00) |
| | Allen Branch | | | | | |
| A-6 | Permit Allowance (Bid Item #13) | DLR | (430) | \$1.00 | - | (\$430.00) |
| A-7 | Clean and Televis, PACP Reporting, 8" Combined Sewer (Bid Item #14) | LFT | (21) | \$4.15 | - | (\$87.15) |
| A-8 | Clean and Televis, PACP Reporting, 10" Combined Sewer (Bid Item #15) | LFT | (77) | \$4.15 | - | (\$319.55) |
| A-9 | Clean and Televis, PACP Reporting, 12" Combined Sewer (Bid Item #16) | LFT | (79) | \$4.15 | - | (\$327.85) |
| A-10 | Clean and Televis, PACP Reporting, 15" Combined Sewer | LFT | 15 | \$4.15 | \$62.25 | - |
| A-11 | Clean and Televis, PACP Reporting, 18" Combined Sewer (Bid Item #17) | LFT | (6) | \$4.15 | - | (\$24.90) |
| A-12 | Clean and Televis, PACP Reporting, 24" Combined Sewer (Bid Item #18) | LFT | (53) | \$4.15 | - | (\$219.95) |
| A-13 | Clean and Televis, PACP Reporting, 30" Combined Sewer (Bid Item #19) | LFT | 17 | \$4.15 | \$70.55 | - |
| A-14 | Clean and Televis, PACP Reporting, 36" Combined Sewer (Bid Item #20) | LFT | 36 | \$4.15 | \$149.40 | - |
| A-15 | Clean and Televis, PACP Reporting, 48" Combined Sewer (Bid Item #21) | LFT | (4) | \$4.15 | - | (\$16.60) |

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

CHANGE ORDER

| Auth No. | Location-Description-Reason | Unit Used | Est Qty | Unit Price | Amount Increase | Amount Decrease |
|---------------------------|---|-----------|---------|------------|-----------------|-----------------|
| A-16 | Clean and Televis, PACP Reporting, 54" Combined Sewer (Bid Item #22) | LFT | (1,510) | \$4.15 | - | (\$6,264.43) |
| A-17 | Clean and Televis, PACP Reporting, 60" Combined Sewer (Bid Item #23) | LFT | 7 | \$4.15 | \$29.05 | - |
| A-18 | Clean and Televis, PACP Reporting, 66" Combined Sewer (Bid Item #24) | LFT | 390 | \$4.15 | \$1,618.09 | - |
| A-19 | Clean and Televis, PACP Reporting, 84" Combined Sewer (Bid Item #25) | LFT | 48 | \$4.15 | \$199.20 | - |
| A-20 | Clean and Televis, PACP Reporting, 90" Combined Sewer (Bid Item #26) | LFT | (13) | \$4.15 | - | (\$53.95) |
| A-21 | Clean and Televis, PACP Reporting, 108" Combined Sewer (Bid Item #27) | LFT | (1,998) | \$4.15 | - | (\$8,291.70) |
| A-22 | Clean and Televis, PACP Reporting, 114" Combined Sewer (Bid Item #28) | LFT | (285) | \$4.15 | - | (\$1,182.75) |
| A-23 | Clean and Televis, PACP Reporting, 120" Combined Sewer (Bid Item #29) | LFT | 66 | \$4.15 | \$273.90 | - |
| A-24 | Clean and Televis, PACP Reporting, 126" Combined Sewer (Bid Item #30) | LFT | 23 | \$4.15 | \$95.45 | - |
| A-25 | Locate and Expose Manhole, As Required (Bid Item #31) | EA | (1) | \$1.00 | - | (\$1.00) |
| Hubbard Branch | | | | | | |
| A-26 | Permit Allowance (Bid Item #36) | DLR | (200) | \$1.00 | - | (\$200.00) |
| A-27 | Clean and Televis, PACP Reporting, 24" Combined Sewer (Bid Item #37) | LFT | (198) | \$4.15 | - | (\$821.70) |
| A-28 | Clean and Televis, PACP Reporting, 36" Combined Sewer (Bid Item #38) | LFT | 77 | \$4.15 | \$319.55 | - |
| A-29 | Clean and Televis, PACP Reporting, 54" Combined Sewer (Bid Item #39) | LFT | 13 | \$4.15 | \$53.95 | - |
| A-30 | Clean and Televis, PACP Reporting, 66" Combined Sewer (Bid Item #40) | LFT | 28 | \$4.15 | \$116.20 | - |
| A-31 | Clean and Televis, PACP Reporting, 72" Combined Sewer (Bid Item #41) | LFT | 26 | \$4.15 | \$107.90 | - |
| A-32 | Clean and Televis, PACP Reporting, 78" Combined Sewer (Bid Item #42) | LFT | 4 | \$4.15 | \$16.60 | - |
| A-33 | Clean and Televis, PACP Reporting, 84" Combined Sewer (Bid Item #43) | LFT | (37) | \$4.15 | - | (\$153.55) |
| A-34 | Clean and Televis, PACP Reporting, 96" Combined Sewer (Bid Item #44) | LFT | (8) | \$4.15 | - | (\$33.20) |
| A-35 | Clean and Televis, PACP Reporting, 108" Combined Sewer (Bid Item #45) | LFT | 12 | \$4.15 | \$49.80 | - |
| A-36 | Locate and Expose Manhole, As Required (Bid Item #46) | EA | (5) | \$1.00 | - | (\$5.00) |
| East Clawson Drain | | | | | | |
| A-37 | Permit Allowance (Bid Item #51) | DLR | (200) | \$1.00 | - | (\$200.00) |
| A-38 | Clean and Televis, PACP Reporting, 10" Combined Sewer (Bid Item #52) | LFT | (201) | \$4.15 | - | (\$834.15) |
| A-39 | Clean and Televis, PACP Reporting, 36" Combined Sewer (Bid Item #53) | LFT | (17) | \$4.15 | - | (\$70.55) |
| A-40 | Clean and Televis, PACP Reporting, 42" Combined Sewer (Bid Item #54) | LFT | 142 | \$4.15 | \$589.30 | - |
| A-41 | Clean and Televis, PACP Reporting, 54" Combined Sewer (Bid Item #55) | LFT | 29 | \$4.15 | \$120.35 | - |

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

CHANGE ORDER

| Auth No. | Location-Description-Reason | Unit Used | Est Qty | Unit Price | Amount Increase | Amount Decrease |
|---------------------------------|--|-----------|---------|------------|-----------------|-----------------|
| A-42 | Clean and Televis, PACP Reporting, 60" Combined Sewer (Bid Item #56) | LFT | (32) | \$4.15 | - | (\$132.80) |
| A-43 | Clean and Televis, PACP Reporting, 66" Combined Sewer (Bid Item #57) | LFT | (18) | \$4.15 | - | (\$74.70) |
| A-44 | Clean and Televis, PACP Reporting, 72" Combined Sewer (Bid Item #58) | LFT | (1) | \$4.15 | - | (\$4.15) |
| A-45 | Clean and Televis, PACP Reporting, 78" Combined Sewer (Bid Item #59) | LFT | (2) | \$4.15 | - | (\$8.30) |
| A-46 | Clean and Televis, PACP Reporting, 90" Combined Sewer (Bid Item #60) | LFT | 34 | \$4.15 | \$141.10 | - |
| A-47 | Locate and Expose Manhole, As Required (Bid Item #61) | EA | (4) | \$1.00 | - | (\$4.00) |
| Ferndale Nine Mile Drain | | | | | | |
| A-48 | Permit Allowance (Bid Item #66) | DLR | (500) | \$1.00 | - | (\$500.00) |
| A-49 | Clean and Televis, PACP Reporting, 12" Combined Sewer (Bid Item #67) | LFT | (10) | \$4.15 | - | (\$41.50) |
| A-50 | Clean and Televis, PACP Reporting, 24" Combined Sewer (Bid Item #68) | LFT | (6) | \$4.15 | - | (\$24.90) |
| A-51 | Clean and Televis, PACP Reporting, 30" Combined Sewer (Bid Item #69) | LFT | (13) | \$4.15 | - | (\$53.95) |
| A-52 | Locate and Expose Manhole, As Required (Bid Item #70) | EA | (1) | \$1.00 | - | (\$1.00) |
| McClain Drain | | | | | | |
| A-53 | Permit Allowance (Bid Item #75) | DLR | (200) | \$1.00 | - | (\$200.00) |
| A-54 | Clean and Televis, PACP Reporting, 33" Combined Sewer (Bid Item #76) | LFT | 8 | \$4.15 | \$33.20 | - |
| A-55 | Clean and Televis, PACP Reporting, 36" Combined Sewer (Bid Item #77) | LFT | 2 | \$4.15 | \$8.30 | - |
| A-56 | Clean and Televis, PACP Reporting, 54" Combined Sewer (Bid Item #78) | LFT | (6) | \$4.15 | - | (\$24.90) |
| A-57 | Clean and Televis, PACP Reporting, 60" Combined Sewer (Bid Item #79) | LFT | 5 | \$4.15 | \$20.75 | - |
| A-58 | Clean and Televis, PACP Reporting, 66" Combined Sewer (Bid Item #80) | LFT | 7 | \$4.15 | \$29.05 | - |
| A-59 | Clean and Televis, PACP Reporting, 72" Combined Sewer (Bid Item #81) | LFT | 7 | \$4.15 | \$29.05 | - |
| A-60 | Clean and Televis, PACP Reporting, 78" Combined Sewer (Bid Item #82) | LFT | (20) | \$4.15 | - | (\$83.00) |
| A-61 | Locate and Expose Manhole, As Required (Bid Item #83) | EA | (1) | \$1.00 | - | (\$1.00) |
| Shaberman Drain | | | | | | |
| A-62 | Permit Allowance (Bid Item #88) | DLR | (200) | \$1.00 | - | (\$200.00) |
| A-63 | Clean and Televis, PACP Reporting, 12" Combined Sewer (Bid Item #89) | LFT | (59) | \$4.15 | - | (\$244.85) |
| A-64 | Clean and Televis, PACP Reporting, 90" Combined Sewer (Bid Item #90) | LFT | 15 | \$4.15 | \$62.25 | - |
| A-65 | Locate and Expose Manhole, As Required (Bid Item #91) | EA | (1) | \$1.00 | - | (\$1.00) |
| Schubiner Drain | | | | | | |
| A-66 | Permit Allowance (Bid Item #96) | DLR | (200) | \$1.00 | - | (\$200.00) |
| A-67 | Clean and Televis, PACP Reporting, 10" Combined Sewer (Bid Item #97) | LFT | (20) | \$4.15 | - | (\$83.00) |
| A-68 | Clean and Televis, PACP Reporting, 12" Combined Sewer (Bid Item #98) | LFT | (44) | \$4.15 | - | (\$182.60) |

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

CHANGE ORDER

| Auth No. | Location-Description-Reason | Unit Used | Est Qty | Unit Price | Amount Increase | Amount Decrease |
|----------|--|-----------|---------|--------------|-----------------|-----------------|
| A-69 | Clean and Televis, PACP Reporting, 15" Combined Sewer (Bid Item #99) | LFT | 18 | \$4.15 | \$74.70 | - |
| A-70 | Clean and Televis, PACP Reporting, 18" Combined Sewer (Bid Item #100) | LFT | 11 | \$4.15 | \$45.65 | - |
| A-71 | Clean and Televis, PACP Reporting, 24" Combined Sewer (Bid Item #101) | LFT | 6 | \$4.15 | \$24.90 | - |
| A-72 | Clean and Televis, PACP Reporting, 30" Combined Sewer (Bid Item #102) | LFT | 7 | \$4.15 | \$29.05 | - |
| A-73 | Clean and Televis, PACP Reporting, 36" Combined Sewer (Bid Item #103) | LFT | (1) | \$4.15 | - | (\$4.15) |
| A-74 | Clean and Televis, PACP Reporting, 42" Combined Sewer (Bid Item #104) | LFT | 23 | \$4.15 | \$95.45 | - |
| A-75 | Clean and Televis, PACP Reporting, 54" Combined Sewer (Bid Item #105) | LFT | (2) | \$4.15 | - | (\$8.30) |
| A-76 | Clean and Televis, PACP Reporting, 66" Combined Sewer (Bid Item #106) | LFT | 1 | \$4.15 | \$4.15 | - |
| A-77 | Clean and Televis, PACP Reporting, 72" Combined Sewer (Bid Item #107) | LFT | 42 | \$4.15 | \$174.30 | - |
| A-78 | Clean and Televis, PACP Reporting, 84" Combined Sewer (Bid Item #108) | LFT | (1) | \$4.15 | - | (\$4.15) |
| A-79 | Locate and Expose Manhole, As Required (Bid Item #109) | EA | (1) | \$1.00 | - | (\$1.00) |
| | REASON: Balancing of Authorized Bid Quantity and Final As-Built Quantity Constructed | | | | | |
| | | | | Subtotal | \$4,805.29 | (\$22,174.58) |
| | | | | Net Decrease | --- | (\$17,369.29) |

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

CHANGE ORDER NO. 1

Jim Nash, Oakland County Water Resources Commissioner
System Name or Drainage District Name
For Construction of the 2024 G.W.K. Sewer Cleaning and Inspection
George W. Kuhn Drain Drainage District
Oakland County, Michigan

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

Date: 10/31/24

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

Date: 10-30-2024

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

Date: 11-15-2024

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

Accepted by:

Dave Lusky
Name/Title
Pipeline Management Company, LLC

Digitally signed by Dave Lusky

Date: 2024.10.30 08:32:56
-04'00'

Approved by: _____
Gary Nigro, P.E. Manager

Date: _____

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

This Change Order was approved by the Drainage Board on:

CHANGE ORDER

CHANGE ORDER NO. 1

Jim Nash, Oakland County Water Resources Commissioner
System Name or Drainage District Name
For Construction of the 2024 G.W.K. Sewer Cleaning and Inspection
George W. Kuhn Drain Drainage District
Oakland County, Michigan

| | |
|---------------------------------------|-----------------------------|
| Notice to Proceed Date: | Monday, May 20, 2024 |
| Contract Substantial Completion Date: | Thursday, February 20, 2025 |
| Contract Final Completion Date: | Saturday, April 26, 2025 |
| Original Contract Value: | \$ 510,552.20 |
| Previous C.O. Values: | \$ - |
| Change Order No. 1 Value | \$ (17,369.29) |
| Adjusted Contract Value | \$ 493,182.91 |

JIM NASH
OAKLAND COUNTY WATER RESOURCE COMMISSIONER

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

Construction Estimate No. 5

October 1, 2024 to October 31, 2024

Department No. : 6010101
Fund No. : 58510
Project No. : 1-7120

Account No. : 730373

Program No. : 149662

Activity : STD

Vendor No. : 30038

Contract No. : CON00010963

Date of Contract : 6/13/2024

Completion Date : NA

Contractor :
Rolls Mechanical
1490 Torrey Road
Fenton, MI 48430

Original Contract Amount: \$750,000.00

Previous Change Order Numbers (none): \$0.00

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

Total Net Change Orders: \$0.00

Adjusted Contract Amount: \$750,000.00

Subtotal To Date: (Sheet 2 of 2 Column 7) \$163,105.04

Less Deductions to Date: (Sheet 2 of 2 Column 7) \$1,500.00

Gross Estimate: (Work in Place) \$161,605.04

Less Previous Estimates: \$118,995.02

Net Payment Request To Be Paid To Contractor: \$42,610.02

Balance of Contract To Date ☒ \$586,894.96

Accounting Auditor: *BCR* 11/15/2024

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

Date: 11/15/2024

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

Date: 11/15/2024

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

Date: 11/21/2024

Approved by Board on: _____

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

| Construction Estimate No. 5 | | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
|-----------------------------|---|------|-------------|-----------------------|----------------------------------|------------------------|----------------------|---------------------------|
| | Contract Item - Address | Unit | Unit Price | Quantity This Payment | Total Quantity Previous Estimate | Total Quantity to Date | Total Amount to Date | Total Amount This Payment |
| 1 | Home Inspection | EA | \$ 225.00 | 24.0 | 58.0 | 82.0 | \$18,450.00 | \$5,400.00 |
| 2 | Televiser Sewer Lead | EA | \$ 350.00 | 22.0 | 51.0 | 73.0 | \$25,550.00 | \$7,700.00 |
| 3 | Mobilize/Site Preparation | EA | \$ 450.00 | 5.0 | 10.0 | 15.0 | \$6,750.00 | \$2,250.00 |
| 4 | Automatic Submersible Sump, 3/10 HP | EA | \$ 340.00 | 2.0 | 7.0 | 9.0 | \$3,060.00 | \$680.00 |
| 5 | Automatic Submersible Sump, 1/2 HP | EA | \$ 460.00 | 0.0 | 1.0 | 1.0 | \$460.00 | \$0.00 |
| 6 | Sump Pump Installation Including 30 LF Discharge Piping | EA | \$ 5,600.00 | 2.00 | 8.0 | 10.00 | \$56,000.00 | \$11,200.00 |
| 7 | Additional Sump Pump Discharge Piping | LF | \$ 11.00 | 30.0 | 5.0 | 35.0 | \$385.00 | \$330.00 |
| 8 | Backwater Valve Installation | EA | \$ 1,500.00 | 7.0 | 19.0 | 26.0 | \$39,000.00 | \$10,500.00 |
| 9 | Project Site Clean Up Restoration | EA | \$ 700.00 | 5.0 | 10.0 | 15.0 | \$10,500.00 | \$3,500.00 |
| 10 | Additional General Site-Specific Work | \$ | \$ 1.00 | 1272.5 | 840.0 | 2112.5 | \$2,112.46 | \$1,272.46 |
| 11 | Permit Fees | \$ | \$ 1.00 | 277.56 | 560.0 | 837.6 | \$837.58 | \$277.56 |
| | | | | | | | | |

Change Orders:

| | | | | | | | | |
|--|--|--|--|--|-----|-----|--------|--------|
| | | | | | 0.0 | 0.0 | \$0.00 | \$0.00 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Deductions:

| | | | | | | | | |
|--|-----------------------------|----|-----------|-----|------|------|------------|----------|
| | Homeowner Participation Fee | EA | \$ 100.00 | 5.0 | 10.0 | 15.0 | \$1,500.00 | \$500.00 |
|--|-----------------------------|----|-----------|-----|------|------|------------|----------|

ATTACHMENTS:

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

| | |
|-----------------------------|--------------|
| Total Amount to Date | \$163,105.04 |
| Total Amount This Estimate | \$43,110.02 |
| Change Orders to Date | \$0.00 |
| Change Orders This Estimate | \$0.00 |
| Deductions to Date | \$1,500.00 |
| Deductions This Estimate | \$500.00 |
| Payment This Estimate | \$42,610.02 |

WRC HomeGuard Program
Quantities Export
As of 10/31/2024

| Applicant Address | Inspection Result | Inspection Date | Home Install Date | Final Permitting Close Date | Home Inspection | Televise Sewer Lead | Site Preparation | Auto Sump Third HP | Auto Sump Half HP | Sump Install | Add Sump Piping LF | Valve Install | Site Cleanup | Misc Desc | Misc Price |
|--|-------------------|-----------------|-------------------|-----------------------------|-----------------|---------------------|------------------|--------------------|-------------------|--------------|--------------------|---------------|--------------|-------------------------------|------------|
| 1209 Columbia Rd, Berkley, MI, 48072, USA | Fail | 6/27/2024 | | | 1 | 1 | | | | | | | | | |
| 1079 Harvard Rd, Berkley, MI, 48072, USA | Pass | 8/27/2024 | 10/14/2024 | 10/16/2024 | 1 | 1 | 1 | | | | | 1 | 1 | 1, a sanitary tee on sump dis | 1,272.46 |
| 2795 Griffith Ave, Berkley, MI, 48072, USA | Fail | 9/5/2024 | | | 1 | 1 | | | | | | | | | |
| 2656 Columbia Rd, Berkley, MI, 48072, USA | Pass | 9/10/2024 | 9/30/2024 | 10/2/2024 | 1 | 1 | 1 | | | | | 1 | 1 | | |
| 4224 Robina Ave | Pass | 9/10/2024 | 10/28/2024 | 10/30/2024 | 1 | 1 | 1 | | | | 30 | 1 | 1 | | |
| 3125 Oakshire Ave, Berkley, MI, 48072, USA | Fail | 9/12/2024 | | | 1 | 1 | | | | | | | | | |
| 1851 Cass Blvd, Berkley, MI, 48072, USA | Fail | 9/18/2024 | | | 1 | 1 | | | | | | | | | |
| 1560 West Blvd, Berkley, MI, 48072, USA | Pass | 9/18/2024 | 10/7/2024 | 10/16/2024 | 1 | 1 | 1 | 1 | | 1 | | 2 | 1 | | |
| 4237 Griffith Ave, Berkley, MI, 48072, USA | Fail | 9/24/2024 | | | 1 | 1 | | | | | | | | | |
| 1272 Columbia Rd, Berkley, MI, 48072, USA | Fail | 10/2/2024 | | | 1 | 1 | | | | | | | | | |
| 1325 Princeton Rd. | Fail | 10/3/2024 | | | 1 | 1 | | | | | | | | | |
| 2268 Mortenson Blvd, Berkley, MI, 48072, USA | Fail | 10/8/2024 | | | 1 | 1 | | | | | | | | | |
| 1197 Princeton Rd., Berkley, MI. 48072 | Fail | 10/8/2024 | | | 1 | 1 | | | | | | | | | |
| 724 Columbia Berkley, MI 48072 | Fail | 10/9/2024 | | | 1 | 1 | | | | | | | | | |
| 1116 Harvard Rd, Berkley, MI, 48072, USA | Fail | 10/9/2024 | | | 1 | 1 | | | | | | | | | |
| 877 Columbia Rd, Berkley, MI, 48072, USA | Pass | 10/9/2024 | 10/28/2024 | 10/30/2024 | 1 | 1 | 1 | 1 | | 1 | | 2 | 1 | | |
| 1125 Larkmoor Blvd, Berkley, MI, 48072, USA | Fail | 10/10/2024 | | | 1 | 1 | | | | | | | | | |
| 972 Columbia Road | Fail | 10/10/2024 | | | 1 | 1 | | | | | | | | | |
| 1250 Princeton Rd, Berkley, MI, 48072, USA | Fail | 10/10/2024 | | | 1 | 1 | | | | | | | | | |
| 1021 Columbia Rd, Berkley, MI, 48072, USA | Fail | 10/16/2024 | | | 1 | 1 | | | | | | | | | |
| 1312 Cambridge Rd, Berkley, MI, 48072, USA | Fail | 10/29/2024 | | | 1 | | | | | | | | | | |
| 1197 Larkmoor Blvd, Berkley, MI, 48072, USA | Fail | 10/30/2024 | | | 1 | 1 | | | | | | | | | |
| 762 Columbia Rd, Berkley, MI, 48072, USA | Fail | 10/30/2024 | | | 1 | | | | | | | | | | |
| 910 Princeton R | Fail | 10/30/2024 | | | 1 | 1 | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Sub Totals To Date | | | | | 24 | 22 | 5 | 2 | 0 | 2 | 30 | 7 | 5 | - | |
| Unit Price | | | | | \$ 225.00 | \$ 350.00 | \$ 450.00 | \$ 340.00 | \$ 460.00 | \$ 5,600.00 | \$ 11.00 | \$ 1,500.00 | \$ 700.00 | - | |
| Sub Total Approved Work | | | | | \$ 5,400.00 | \$ 7,700.00 | \$ 2,250.00 | \$ 680.00 | \$ - | \$ 11,200.00 | \$ 330.00 | \$ 10,500.00 | \$ 3,500.00 | \$ 1,272.46 | |

| | |
|--|---------------------|
| Notes | |
| Pay Request for Work Ending October 31, 2024 | \$ 42,832.46 |
| Permit Fees | \$ 277.56 |
| Deducts | \$ (500.00) |
| Total | \$ 42,610.02 |

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

Construction Estimate No. 5

October 1, 2024 to November 8, 2024

Department No.: 6010101

Fund No.: 58520

Project No.: 13484

Purchase Order No. : PO00058359

Account No.: 730373

Program No.: 149667

Activity: STD

Vendor No. : 22413

Contract No. : 10860

Date of Contract: 4/17/2024

Completion Date: 4/16/2026

Contractor:

TSP Services, Inc.

25000 Capitol

Redford, MI 48239

Original Contract Amount: \$395,392.00

Previous Change Order Numbers (CO.1): \$1,970.60

Change Orders This Estimate Number (CO.2): \$4,847.10

Total Net Change Orders: \$6,817.70

Adjusted Contract Amount: \$402,209.70

Subtotal To Date: (Sheet 2 of 2 Column 7) \$387,209.70

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

Gross Estimate: (Work in Place) 96.27% \$387,209.70

Less Amount Reserved: (5% of Adjusted Contract Amount) \$20,110.49

Total Amount Allowed To Date: \$367,099.21

Less Previous Estimates: \$346,946.57

Net Payment Request To Be Paid To Contractor: \$20,152.64

Reserve Payment to Contractor \$0.00

Balance of Contract To Date ✓ \$15,000.00 Accounting Auditor: BCR 11/15/2024

Less Previous Transfers To Reserve: \$19,868.13

Amount of Current Transfer: \$242.36

Prepared by: Lesli Maes
Lesli Maes, P.E. - Project EngineerDate: 11/13/2024Recommended by: Jamie Burton
Jamie Burton, P.E. - Consulting EngineerDate: 11/13/2024Approved by: Evangelos Bantios
Evans Bantios, P.E. - Chief EngineerDate: 11-15-2024

Approved by Board on: _____

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

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

| Construction Estimate No. 4 | | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
|-----------------------------|---|--------------|------|--------------|-----------------------|----------------------------------|------------------------|----------------------|---------------------------|
| | Contract Item | Bid Quantity | Unit | Unit Price | Quantity This Payment | Total Quantity Previous Estimate | Total Quantity to Date | Total Amount to Date | Total Amount This Payment |
| 1 | Permit Allowance | 2,500 | Dlr | \$ 1.00 | 0.0 | 175.1 | 175.1 | \$175.10 | \$0.00 |
| 2 | Mobilization (Max 5%) | 1 | LS | \$ 18,000.00 | 0.0 | 1.0 | 1.0 | \$18,000.00 | \$0.00 |
| 3 | Dr Structure Cover, Rem and Salv | 1 | Ea | \$ 300.00 | 0.0 | 1.0 | 1.0 | \$300.00 | \$0.00 |
| 4 | Curb and Gutter, Rem | 31 | Ft | \$ 65.00 | 0.0 | 31.0 | 31.0 | \$2,015.00 | \$0.00 |
| 6 | Subgrade Undercutting, Type IV, Modified | 50 | Cyd | \$ 50.00 | 0.0 | 18.0 | 18.0 | \$902.00 | \$0.00 |
| 7 | Site Grading | 0.78 | Ac | \$ 10,000.00 | 0.0 | 0.78 | 0.78 | \$7,800.00 | \$0.00 |
| 8 | Erosion Control, Gravel Access Approach | 1 | Ea | \$ 2,500.00 | 0.0 | 1.0 | 1.0 | \$2,500.00 | \$0.00 |
| 9 | Erosion Control, Inlet Protection, Fabric Drop | 6 | Ea | \$ 150.00 | 0.0 | 6.0 | 6.0 | \$900.00 | \$0.00 |
| 10 | Erosion Control, Silt Fence | 280 | Ft | \$ 5.00 | 0.0 | 280.0 | 280.0 | \$1,400.00 | \$0.00 |
| 11 | Erosion Control, Mulch Blanket | 5,000 | Sft | \$ 3.00 | 0.0 | 5000.0 | 5000.0 | \$15,000.00 | \$0.00 |
| 12 | Bio-Retention Choker Layer | 8 | Cyd | \$ 500.00 | 0.0 | 8.0 | 8.0 | \$4,000.00 | \$0.00 |
| 13 | Bio-Retention Reservoir Layer | 9 | Cyd | \$ 750.00 | 0.0 | 9.0 | 9.0 | \$6,750.00 | \$0.00 |
| 14 | Aggregate Base, 6 inch | 1,530 | Syd | \$ 9.00 | 0.0 | 1905.0 | 1905.0 | \$17,145.00 | \$0.00 |
| 15 | Road Grade Biaxial Geogrid | 1,400 | Syd | \$ 20.00 | 0.0 | 1400.0 | 1400.0 | \$28,000.00 | \$0.00 |
| 16 | Geotextile, Stabilization, Non-Woven | 1,400 | Syd | \$ 5.00 | 0.0 | 1400.0 | 1400.0 | \$7,000.00 | \$0.00 |
| 17 | Sewer, Cl A, 6 inch, Special | 95 | Ft | \$ 60.00 | 0.0 | 95.0 | 95.0 | \$5,700.00 | \$0.00 |
| 18 | Sewer, Cl A, 12 inch, Special | 20 | Ft | \$ 90.00 | 0.0 | 20.0 | 20.0 | \$1,800.00 | \$0.00 |
| 19 | Standpipe, 24 inch, Special | 1 | Ea | \$ 1,000.00 | 0.0 | 1.0 | 1.0 | \$1,000.00 | \$0.00 |
| 20 | Dr Structure, Tap, 12 inch, Special | 1 | Ea | \$ 500.00 | 0.0 | 1.0 | 1.0 | \$500.00 | \$0.00 |
| 21 | Dr Structure Cover, Type B | 1 | Ea | \$ 1,500.00 | 0.0 | 1.0 | 1.0 | \$1,500.00 | \$0.00 |
| 22 | Dr Structure Cover, Adj, Case 1 | 1 | Ea | \$ 500.00 | 0.0 | 1.0 | 1.0 | \$500.00 | \$0.00 |
| 23 | Dr Structure, Cleaning | 5 | Ea | \$ 500.00 | 0.0 | 5.0 | 5.0 | \$2,500.00 | \$0.00 |
| 24 | HMA Surface, Rem | 750 | Syd | \$ 18.00 | 0.0 | 750.0 | 750.0 | \$13,500.00 | \$0.00 |
| 27 | Curb and Gutter, Conc, Det F2 | 260 | Ft | \$ 45.00 | 0.0 | 260.0 | 260.0 | \$11,700.00 | \$0.00 |
| 28 | Curb and Gutter, Conc, Det F2, Modified | 285 | Ft | \$ 45.00 | 0.0 | 301.0 | 301.0 | \$13,545.00 | \$0.00 |
| 29 | Spillway, Conc, Modified | 4 | Ea | \$ 1,500.00 | 0.0 | 4.0 | 4.0 | \$6,000.00 | \$0.00 |
| 30 | Fence, Protective | 150 | Ft | \$ 20.00 | 0.0 | 150.0 | 150.0 | \$3,000.00 | \$0.00 |
| 31 | Project Sign | 1 | LS | \$ 750.00 | 1.0 | 0.0 | 1.0 | \$750.00 | \$750.00 |
| 32 | Pavt Mrkg, Rem | 162 | Ft | \$ 20.00 | 0.0 | 162.0 | 162.0 | \$3,240.00 | \$0.00 |
| 33 | Pavt Mrkg, Waterborne, for Rest Areas, Parks & Lots, 4 inch, Yellow | 580 | Ft | \$ 8.00 | 0.0 | 580.0 | 580.0 | \$4,640.00 | \$0.00 |
| 34 | Pavt Mrkg, Waterborne, for Rest Areas, Parks & Lots, 4 inch, Blue | 327 | Ft | \$ 10.00 | 0.0 | 327.0 | 327.0 | \$3,270.00 | \$0.00 |
| 35 | Pavt Mrkg, Ovly Cold Plastic, Accessible | 1 | Ea | \$ 500.00 | 0.0 | 1.0 | 1.0 | \$500.00 | \$0.00 |
| 36 | Swale, Plain Cobble | 50 | Syd | \$ 50.00 | 0.0 | 50.0 | 50.0 | \$2,500.00 | \$0.00 |
| 37 | Perennial Plantings | 114 | Ea | \$ 42.00 | 28.0 | 86.0 | 114.0 | \$4,788.00 | \$1,176.00 |
| 38 | Plug Plantings | 2,192 | Ea | \$ 7.50 | 438.0 | 1754.0 | 2192.0 | \$16,440.00 | \$3,285.00 |
| 39 | Shrub Plantings | 42 | Ea | \$ 102.00 | 42.0 | 0.0 | 42.0 | \$4,284.00 | \$4,284.00 |
| 40 | Acer ginnala, 5 foot B&B | 2 | Ea | \$ 840.00 | 0.0 | 2.0 | 2.0 | \$1,680.00 | \$0.00 |
| 41 | Acer campestre, 1 inch to 1-1/2 inch B&B | 2 | Ea | \$ 840.00 | 0.0 | 2.0 | 2.0 | \$1,680.00 | \$0.00 |
| 42 | Celtis occidentalis, 1 inch to 1-1/2 inch B&B | 2 | Ea | \$ 390.00 | 2.0 | 0.0 | 2.0 | \$780.00 | \$780.00 |
| 43 | Plantanus x acerifolia, 1 inch to 1-1/2 inch B&B | 4 | Ea | \$ 720.00 | 4.0 | 0.0 | 4.0 | \$2,880.00 | \$2,880.00 |
| 44 | Quercus macrocarpa, 1 inch to 1-1/2 inch B&B | 3 | Ea | \$ 390.00 | 3.0 | 0.0 | 3.0 | \$1,170.00 | \$1,170.00 |
| 45 | Tilia cordata, 1 inch to 1-1/2 inch B&B | 5 | Ea | \$ 840.00 | 5.0 | 0.0 | 5.0 | \$4,200.00 | \$4,200.00 |
| 46 | Hardwood Mulch (Bio-Retention Area and Trees) | 30 | Cyd | \$ 95.00 | 6.0 | 24.0 | 30.0 | \$2,850.00 | \$570.00 |
| 47 | Bio-Retention Soil Mix | 575 | Syd | \$ 40.00 | 0.0 | 575.0 | 575.0 | \$23,000.00 | \$0.00 |
| 48 | Seeding, Erosion Control Overseeding Mixture | 17.5 | Lb | \$ 6.00 | 0.0 | 17.5 | 17.5 | \$105.00 | \$0.00 |
| 49 | Site Restoration | 1 | LS | \$ 12,000.00 | 0.0 | 1.0 | 1.0 | \$12,000.00 | \$0.00 |
| 50 | One-Year Vegetation Maintenance and Guarantee | 1 | LS | \$ 15,000.00 | 0.0 | 0.0 | 0.0 | \$0.00 | \$0.00 |
| 52 | Sewer, Cleanout, 6 inch, Special | 1 | Ea | \$ 1,250.00 | 0.0 | 1.0 | 1.0 | \$1,250.00 | \$0.00 |
| 53 | Excavation, Earth | 975 | Cyd | \$ 15.00 | 0.0 | 1200.0 | 1200.0 | \$18,000.00 | \$0.00 |
| 54 | Conc Pavt, Nonreinf, 7 inch | 1,400 | Syd | \$ 72.00 | 0.0 | 1400.0 | 1400.0 | \$100,800.00 | \$0.00 |
| 55 | | | | | | 0.0 | 0.0 | \$0.00 | \$0.00 |
| 56 | | | | | | 0.0 | 0.0 | \$0.00 | \$0.00 |
| 57 | | | | | | 0.0 | 0.0 | \$0.00 | \$0.00 |
| 58 | | | | | | 0.0 | 0.0 | \$0.00 | \$0.00 |
| 59 | | | | | | 0.0 | 0.0 | \$0.00 | \$0.00 |
| 60 | | | | | | 0.0 | 0.0 | \$0.00 | \$0.00 |
| 61 | | | | | | 0.0 | 0.0 | \$0.00 | \$0.00 |
| 62 | | | | | | 0.0 | 0.0 | \$0.00 | \$0.00 |
| 63 | | | | | | 0.0 | 0.0 | \$0.00 | \$0.00 |
| 64 | | | | | | 0.0 | 0.0 | \$0.00 | \$0.00 |
| 65 | | | | | | 0.0 | 0.0 | \$0.00 | \$0.00 |
| 66 | | | | | | 0.0 | 0.0 | \$0.00 | \$0.00 |
| 67 | | | | | | 0.0 | 0.0 | \$0.00 | \$0.00 |

Change Orders:

| | | | | | | | | | |
|---|---|-----|----|-------------|-----|-----|-----|------------|------------|
| 1 | Edge Drain Installation and Tie In | 1.0 | Ea | \$ 1,970.60 | 0.0 | 1.0 | 1.0 | \$1,970.60 | \$0.00 |
| 2 | Tree Relocations and Balancing Line Items | 1.0 | Ea | \$ 1,300.00 | 1.0 | 0.0 | 1.0 | \$1,300.00 | \$1,300.00 |
| | | | | | | | | | |

Stored Material:

| | | | | | | | | | |
|--|--|--|--|--|--|-----|-----|--------|--------|
| | | | | | | 0.0 | 0.0 | \$0.00 | \$0.00 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Deductions:

| | | | | | | | | | |
|--|--|--|--|--|--|-----|-----|--------|--------|
| | | | | | | 0.0 | 0.0 | \$0.00 | \$0.00 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | |
|--------------------------------|--------------|
| Total Amount to Date | \$383,939.10 |
| Total Amount This Estimate | \$19,095.00 |
| Change Orders to Date | \$3,270.60 |
| Change Orders This Estimate | \$1,300.00 |
| Stored Materials to Date | \$0.00 |
| Stored Materials This Estimate | \$0.00 |
| Subtotal to Date | \$387,209.70 |
| Subtotal This Estimate | \$20,395.00 |
| Deductions to Date | \$0.00 |
| Deductions This Estimate | \$0.00 |
| Payment This Estimate | \$20,395.00 |
| Less Transfer to Reserve | \$242.36 |
| Net Payment | \$20,152.64 |

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: November 26, 2024

SUBJECT: Request for Board approval of payment of the following invoice(s):

| Payable To | Ref No. | For | Amount |
|---------------------------------|--------------|--|---------------------|
| Dickinson Wright PLLC | TBP | Invoice # 1978137 - Legal Services - 10/31/24 | 2,999.20 |
| Dickinson Wright PLLC | TBP | Invoice # 1978141 - Legal Services - 10/31/24 | 21,891.40 |
| Dickinson Wright PLLC | TBP | Invoice # 1978142 - Legal Services - 10/31/24 | 264.00 |
| Dickinson Wright PLLC | TBP | Invoice # 1978144 - Legal Services - 10/31/24 | 1,671.00 |
| Dickinson Wright PLLC | TBP | Invoice # 1978143 - Legal Services - 10/31/24 | 867.14 |
| Dickinson Wright PLLC | TBP | Invoice # 1978145 - Legal Services - 10/31/24 | 2,029.50 |
| | | Subtotal | \$ 2,029.50 |
| Center for Watershed Protection | SINV00297109 | Invoice #W-22-037a 7 - Project 1-7235 | 1,360.00 |
| | | Project # 1-7235 Total | \$ 1,360.00 |
| Shaw Services | SINV00300649 | Invoice # 910012975 - Project 1-7155 | 8,798.52 |
| | | Project # 1-7155 Total | \$ 8,798.52 |
| ICS Integration Services LLC | SINV00300539 | Invoice # 3125 - Materials and Supplies - Project 1-7689 | 1,474.00 |
| | | Project # 1-7689 Total | \$ 1,474.00 |
| | | Total | \$ 13,662.02 |

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting

Sj Phelps

DATE: November 26, 2024

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

| <u>Ref</u> <u>No.</u> | <u>Paid To</u> | <u>For</u> | <u>Amount</u> |
|--------------------------|----------------|---------------------------------|-----------------|
| System Specialties | SINV00302092 | Invoice #62864 - Project 1-7758 | 8,722.00 |
| | | Project # 1-7758 Total | 8,722.00 |

7. Clinton River Water Resource Recovery Facility

AGENDA
DRAINAGE BOARD FOR
THE CLINTON RIVER WATER RESOURCE RECOVERY FACILITY

November 26, 2024

1. Call meeting to order
2. Approve minutes of meeting of October 22, 2024
3. Public Comments
4. Present Change Order No. 3 for Clark Construction Company for Construction of the Optimization Phase I Project for a net increase in the amount of \$36,613.00
5. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund from the Maintenance Fund in the amount of \$283,278.48
6. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund from the Construction Fund in the amount of \$98,566.14
7. Other business
8. Approve pro rata payment to Drainage Board members
9. Adjourn

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

October 22, 2024

A meeting of the Drainage Board for the Clinton River Water Resource Recovery Facility was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 22nd day of October 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

David Woodward, Chairperson of the Oakland County Board of Commissioners

ABSENT: None.

Minutes of the meeting held September 24, 2024, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

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

Construction Estimate No. 3 for Clark Construction Company for Construction of the Optimization I Project in the amount of \$325,140.15 with a transfer to the Oakland County Treasurer in the amount of \$36,126.68 was presented. It was moved by Markham, supported by Woodward, to approve Construction Estimate No. 3 for Clark Construction Company for Construction of the Optimization I Project in the amount of \$325,140.15 with a transfer to the Oakland County Treasurer in the amount of \$36,126.68 as presented.

ADOPTED: Yeas - 3
Nays - 0

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund from the Maintenance Fund in the amount of \$295,494.30 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund from the Maintenance Fund in the amount of \$295,494.30 as presented.

ADOPTED: Yeas - 3
Nays - 0

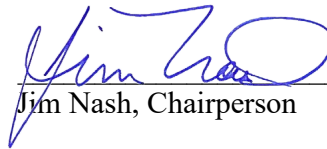
A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund from the Construction Fund in the amount of \$126,850.75 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund from the Construction Fund in the amount of \$126,850.75.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.

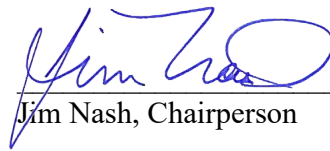


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Clinton River Water Resource Recovery Facility, Oakland County, Michigan, held on the 22nd day of October 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: October 22, 2024

CHANGE ORDER NO. 3

**Jim Nash, Oakland County Water Resources Commissioner
Clinton River Water Resource Recovery Facility Drainage District
For Construction of the CRWRRF Optimization Phase I Project
City Of Pontiac
Oakland County, Michigan**

Authorization for Extras To & Changes In Contract

Department No. : 6010101

Account No. : 731472

Fund No. : FND84686

Program No. : PRG149015

Project No. : PRJ-17461

Project Activity : FAC

Contract PO : PO 00043820

Contractor :

Contract No. : 10566

Clark Construction Company

Date of Contract: 10/24/23

2660 Superior Court

Completion Date: 1/30/27

Auburn Hills, MI 48326

| Auth No. | Location-Description-Reason | Unit Used | Est. Qty. | Unit Price | Amount Increase | Amount Decrease |
|----------|--|-----------|-----------|-------------|-----------------|-----------------|
| 3-1 | LOCATION: Clinton River Water Resource Recovery Facility - New Main Electrical Building (MEB) | LS | 1.0 | \$37,813.00 | \$37,813.00 | --- |
| 3-1 | DESCRIPTION (Extra/Add): Provide and install two larger doors and transom panels for doors 201A and 201B per description in attached Work Directive#1 dated July 12, 2024. | | | | | |
| 3-1 | REASON: The two double doors for the Main Electrical Building needed to be enlarged to allow actual transformers to be placed inside the building. | | | | | |

**JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

| Auth No. | Location-Description-Reason | Unit Used | Est. Qty. | Unit Price | Amount Increase | Amount Decrease |
|----------|---|-----------|-----------|--------------|-----------------|-----------------|
| 3-2 | DESCRIPTION (Extra/Subtract): Use "Block Flash" System for installation of the single width masonry walls at the Main Electrical Building. | LS | -1.0 | \$1,200.00 | --- | \$1,200.00 |
| 3-2 | REASON: Block flash is a relatively new and better system. This product has become the industry standard for single width masonry construction compared with the specified two unit and flashing system. Engineer approved the use of Block Flash under project submittal #110. | | | | | |
| | | | | Totals | \$37,813.00 | \$1,200.00 |
| | | | | Net Increase | \$36,613.00 | --- |


JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

CHANGE ORDER NO. 3

**Jim Nash, Oakland County Water Resources Commissioner
Clinton River Water Resource Recovery Facility Drainage District
For Construction of the CRWRRF Optimization Phase I Project
City Of Pontiac
Oakland County, Michigan**

Prepared by:  Date: 11/12/2024
Razik Alsaigh, P.E. - WRC Project Engineer

Recommended by:  Date: 11/12/2024
Allen Gelderloos, P.E. Consulting Engineer (Jacobs)

Approved by:  Date: 11/15/2024
Joel Brown, P.E. Chief Engineer

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

Accepted by: Karen M. Middleton Date: 11/12/2024

Colt Odeh - Project Executive
Clark Construction Company

Approved by:  Date: Nov. 15, 2024
Steve Korth, P.E.
Chief Manager

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

This Change Order was approved by the Drainage Board on:

CHANGE ORDER

CHANGE ORDER NO. 3

**Jim Nash, Oakland County Water Resources Commissioner
Clinton River Water Resource Recovery Facility Drainage District
For Construction of the CRWRRF Optimization Phase I Project
City Of Pontiac
Oakland County, Michigan**

| | |
|---------------------------------------|----------------------------|
| Notice to Proceed Date: | Friday, November 17, 2023 |
| Contract Substantial Completion Date: | Monday, November 16, 2026 |
| Contract Final Completion Date: | Saturday, January 30, 2027 |
| Original Contract Value: | \$ 30,550,434.00 |
| Previous C.O. Values: | \$ 101,528.00 |
| Change Order No. 3 Value | \$ 36,613.00 |
| Adjusted Contract Value | \$ 30,688,575.00 |

**JIM NASH
OAKLAND COUNTY WATER RESOURCE COMMISSIONER**

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting

Sj Phelps

DATE: November 26, 2024

SUBJECT: Request for Board approval of payment of the following invoice(s):

| Payable To | Ref No. | For | Amount |
|--------------------------------------|--------------|---|----------------------|
| Nichols | Pcard | Invoice # 90064034-00 | \$ 1,029.10 |
| iMotion | Pcard | Invoice # MI01-01057433 | 3,061.43 |
| USA Bluebook | Pcard | Invoice # INV00522628 | 1,252.38 |
| Alyko Enterprises | SINV00302629 | Invoice # 24279 | 1,759.20 |
| Applied Science Inc | SINV00297646 | Invoice # 8917 | 24,105.00 |
| Cech Corporation | SINV00297247 | Invoice # 63581 | 1,363.57 |
| D J Conley Associates Inc | SINV00297249 | Invoice # TM3775341 | 1,124.50 |
| D3W Industries Inc | SINV00300318 | Invoice # 4834 | 5,720.00 |
| D3W Industries Inc | SINV00301924 | Invoice # 4857 | 5,720.00 |
| Duperon | TBP | Invoice # 25873 | 4,345.20 |
| Eastern Oil Co | SINV00297750 | Invoice # INV102046 | 2,584.70 |
| Eurofins Environment Testing North | SINV00296407 | Invoice # 1900055577- Lab Testing | 1,054.70 |
| Haviland Products Company | TBP | Invoice # 522467 - Chemical Treatment | 7,529.02 |
| Haviland Products Company | SINV00297250 | Invoice # 520876 - Chemical Treatment | 2,220.00 |
| Haviland Products Company | SINV00297704 | Invoice # 520781 - Chemical Return | (2,000.00) |
| Haviland Products Company | SINV00298712 | Invoice # 520204 - Chemical Treatment | 7,498.13 |
| Haviland Products Company | SINV00298713 | Invoice # 520205 - Chemical Treatment | 7,498.54 |
| Haviland Products Company | SINV00298714 | Invoice # 520623 - Chemical Treatment | 6,051.00 |
| Haviland Products Company | SINV00298715 | Invoice # 520667 - Chemical Treatment | 7,492.37 |
| Haviland Products Company | SINV00300312 | Invoice # 521337 - Chemical Treatment | 7,518.87 |
| Haviland Products Company | SINV00300315 | Invoice # 521915 - Chemical Return | (1,600.00) |
| Haviland Products Company | SINV00302631 | Invoice # 532018 - Chemical Return | (1,200.00) |
| Haviland Products Company | SINV00301925 | Invoice # 521693 - Chemical Treatment | 7,529.02 |
| Haviland Products Company | SINV00302630 | Invoice # 522467 - Chemical Treatment | 7,529.02 |
| Haviland Products Company | SINV00301927 | Invoice # 521755 - Chemical Treatment | 3,330.00 |
| Haviland Products Company | SINV00301929 | Invoice # 521756 - Chemical Treatment | 6,051.00 |
| Haviland Products Company | SINV00301931 | Invoice # 522316 - Chemical Treatment | 6,051.00 |
| LaSalle Agri Inc | SINV00301936 | Invoice # 56 | 21,210.00 |
| MacAllister Machinery Co Inc | SINV00297251 | Invoice # R86613395601 | 1,150.00 |
| Marine Pollution Control | SINV00296069 | Invoice # 41317 | 30,536.18 |
| Motor City Electric Technologies Inc | SINV00296072 | Invoice # 95987 | 3,358.35 |
| Motor City Electric Technologies Inc | SINV00296075 | Invoice # 95986 | 6,101.06 |
| Pipeline Management Company LLC | SINV00297112 | Invoice # 24-01933 | 7,539.00 |
| PVS Technologies Inc | SINV00302632 | Invoice # 367716 - Chemical Treatment | 5,468.76 |
| PVS Technologies Inc | SINV00297046 | Invoice # 366087 - Chemical Treatment | 5,282.64 |
| PVS Technologies Inc | SINV00301942 | Invoice # 366632 - Chemical Treatment | 3,122.59 |
| PVS Technologies Inc | SINV00301943 | Invoice # 366633 - Chemical Treatment | 2,047.32 |
| PVS Technologies Inc | SINV00301945 | Invoice # 366987 - Chemical Treatment | 2,356.20 |
| PVS Technologies Inc | SINV00301946 | Invoice # 367175 - Chemical Treatment | 5,454.24 |
| PVS Technologies Inc | SINV00301948 | Invoice # 367177 - Chemical Treatment | 3,004.32 |
| Saber Building Services | SINV00300316 | Invoice # 45778 | 1,800.00 |
| United Lawnscape LLC | SINV00301951 | Invoice # UE626688 | 2,352.00 |
| United Lawnscape LLC | SINV00301953 | Invoice # UE626689 | 1,214.00 |
| Waste Management of Michigan | SINV00300319 | Invoice # 0000969-2394-1 | 1,302.86 |
| Waste Management of Michigan | SINV00301956 | Invoice # 8791758-1714-4 | 1,547.15 |
| York Repair | SINV00296441 | Invoice # NRI-2233 | 8,100.00 |
| Subtotal | | | \$ 237,564.42 |
| Jacobs | SINV00302284 | Invoice # C6A19600-18- Engineering & Survey - Proj # 1-7550 | 10,362.67 |

| | | | | |
|------------------------------------|--------------|---|----------------------------------|----------------------|
| | | | Subtotal - Project 1-7550 | \$ 10,362.67 |
| York Repair | SINV00301959 | Invoice # MRI-17766 - Proj # 1-7513 | \$ | 2,034.00 |
| | | | Subtotal - Project 1-7513 | \$ 2,034.00 |
| Eurofins Environment Testing North | SINV00302280 | Invoice #1900055761 - Proj # 1-7047 | \$ | 15,307.00 |
| Eurofins Environment Testing North | SINV00302279 | Invoice #1900055759 - Proj # 1-7047 | \$ | 14,645.50 |
| OHM Advisors | SINV00301938 | Invoice # 81391 - Professional Services - 9/30/24 Proj # 1-7047 | \$ | 4,946.25 |
| | | | Subtotal - Project 1-7047 | \$ 4,946.25 |
| NTH Consultants Ltd | TBP | Invoice # 637605 - Engineering & Survey - Proj # 1-7127 | \$ | 489.00 |
| | | | Subtotal - Project 1-7127 | \$ 489.00 |
| HRC | SINV00302282 | Invoice # 0220566 - Proj # 1-3679 | \$ | 1,715.80 |
| | | | Subtotal - Project 1-3679 | \$ 1,715.80 |
| Great Lakes Pump & Supply Co | SINV00297038 | Invoice # 77197 Proj # 1-3470 | \$ | 2,537.00 |
| Pro Seal Service Group Inc | SINV00299284 | Invoice # 243126 Proj # 1-3470 | | 5,801.50 |
| Pro Seal Service Group Inc | SINV00301940 | Invoice # 242868 Proj # 1-3470 | | 3,124.00 |
| | | | Subtotal - Project 1-3470 | \$ 11,462.50 |
| Actuator Services LLC | SINV00300322 | Invoice # 6063- Proj # 1-3492 | \$ | 1,623.84 |
| CSM Mechanical LLC | SINV00297037 | Invoice # 4028 - Contracted Services - Proj # 1-3492 | \$ | 13,080.00 |
| | | | Subtotal - Project 1-3492 | \$ 14,703.84 |
| | | | Grand Total | \$ 283,278.48 |

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: November 26, 2024

SUBJECT: Request for Board approval of payment of the following invoice(s):

| | Ref No. | For | Amount |
|-------------------------|--------------|---|---------------------|
| Jacobs Consultant, Inc | SINV00302288 | Invoice # C6A21700-22 - Engineering and Survey - 10/25/24 - Proj # 1-7461 | \$ 68,545.16 |
| | | Total for Project # 1-7461 | \$ 68,545.16 |
| Jacobs Consultant, Inc | SINV00302290 | Invoice # C6A21702-9 - - Proj #1-7720 | \$ 5,020.98 |
| Arthur J Gallagher & Co | SINV00302104 | Invoice # 5303841 - - Proj #1-7720 | \$ 25,000.00 |
| | | Total for Project # 1-7720 | \$ 30,020.98 |
| | | Total | \$ 98,566.14 |

8. Pontiac Clinton River No. 3 Drain

AGENDA

DRAINAGE BOARD FOR THE PONTIAC CLINTON RIVER NO. 3 DRAIN

November 26, 2024

1. Call meeting to order
2. Approve minutes of meeting of October 25, 2016
3. Public Comments
4. Present memorandum from Jeff Parrott, Right of Way Supervisor, dated November 26, 2024, requesting the Board authorize the Chairperson to sign the Waiver of Just Compensation and Participation in Condemnation Proceedings for Highway Easement
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

**MINUTES OF THE MEETING OF THE DRAINAGE BOARD
FOR THE PONTIAC CLINTON RIVER #3 DRAIN**

October 25, 2016

A meeting of the Drainage Board for the Pontiac Clinton River #3 Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 25th day of October, 2016.

The meeting was called to order by the Chairperson.

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

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

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

Minutes of the meeting held August 23, 2016 were presented for consideration. It was moved by Middleton, supported by Nash, that the minutes be approved.

ADOPTED: Yeas - 2
Nays - 0

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

A request for reimbursement of the Drain Revolving Fund in the amount of \$370.49 (as attached) was presented. It was moved by Middleton, supported by Nash, that the Drain Revolving Fund be reimbursed in the amount of \$370.49.

ADOPTED: Yeas - 2
Nays - 0

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

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.

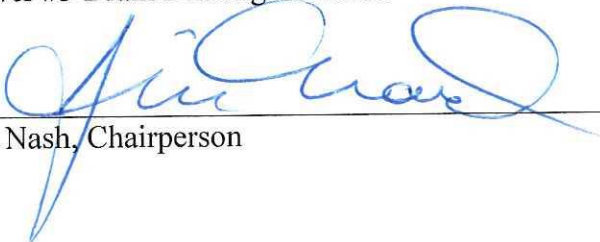


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Pontiac Clinton River #3 Drain, Oakland County, Michigan, held on the 25th day of October, 2016, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

I further certify that the notice of the meeting was posted at least 18 hours in advance of the meeting at the office of the Oakland County Water Resources Commissioner which is the principal office of the Pontiac Clinton River #3 Drain Drainage District.



Jim Nash, Chairperson

Dated: November 9th, 2016

MEMO TO: Mr. Jim Nash, Chairman
of the Drainage Board for the PONTIAC CLINTON RIVER #3

FROM: Holly Conforti, Chief of Fiscal Services *H. Conforti*
OCWRC Accounting

DATE: October 25, 2016

SUBJECT: Request for Reimbursement of the Drain Revolving Fund

The following is a detail of charges paid from the Drain Revolving Fund
for the period ending October 17, 2016.

| <u>G/L Date</u> | <u>Ref No.</u> | <u>Paid To</u> | <u>For</u> | <u>Amount</u> |
|-----------------|--------------------|----------------|---|------------------|
| 9/13/2016 | V # 1113020 | EJ Usa, Inc | Invoice # 110160061416 - Materials & Supplies | \$ 218.25 |
| 9/27/2016 | V # 1116681 | EJ Usa, Inc | Invoice # 110160061415 - Materials & Supplies | 152.24 |
| | | | | <u>\$ 370.49</u> |

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

TO: Jim Nash, Chairperson of the Pontiac-Clinton River Drain No. 3 Drainage District Board

FROM: Jeff Parrott, Right of Way Supervisor

SUBJECT: Highway Easement Agreement with the City of Pontiac

DATE: November 26, 2024

On October 18, 2024, the City of Pontiac issued the attached good faith offer letter to PLTC III Realty Investment seeking the acquisition of a permanent highway easement over a portion of property located on the west side of Bagley Street, south of the Clinton River Trail for the purpose of constructing a mixed-use hot asphalt path. The Drainage District has an existing easement within the subject real property and was therefore notified of the City's intent as an interested party.

To avoid the time and expense of litigation on behalf of all parties, the City prepared the attached Waiver of Just Compensation and Participation in Condemnation Proceedings for Highway Easement (the "Waiver"). The Waiver states the Drainage District is willing to waive its right to (a) contest the acquisition identified in the good faith offer letter; (b) pursue any just compensation; and (c) participate in the condemnation proceedings to be filed by the City. Legal and right of way staff have no objection to the easement acquisition or Waiver.

Requested Action: Authorize the Chairperson to sign the Waiver of Just Compensation and Participation in Condemnation Proceedings for Highway Easement.



Lauren K. Burton
T (248) 925-2962
F (248) 988-2309
Email: lbarton@clarkhill.com

Clark Hill
220 Park Street, Suite 200
Birmingham, MI 48009
T (248) 642-9692
F (248) 642-2174

November 14, 2024

PLTC III Realty Investment, LLC
c/o Maxxum Jirgens
26200 American Drive, Suite 500
Southfield, MI 48034

Pontiac-Clinton River Drain No. 3 Drainage
District
One Public Works Drive, Bldg 95W
Waterford, MI 48328

Oakland County Water Resources
Commissioner
One Public Works Drive, Bldg 95W
Waterford, MI 48328

Oaks Drain Drainage District
One Public Works Drive, Bldg 95W
Waterford, MI 48328

RE: **AMENDED GOOD FAITH WRITTEN OFFER TO PURCHASE EASEMENT**
City of Pontiac

PROPERTY PARCEL Nos. 14-32-255-003, 14-32-255-002, and 14-32-251-003
Vacant Land, West Side of Bagley Street, South of the Clinton River Trail, City
of Pontiac, Oakland County, Michigan

Dear Owners:

As you may know, our office represents the City of Pontiac (the "City"). The City is seeking to purchase a Highway Easement over a portion of your property located on the west side of Bagley Street, south of the Clinton River Trail in the City of Pontiac (Parcels Nos. 14-32-255-003, 14-32-255-002, and 14-32-251-003) for purposes of improvements to Bagley Street. A copy of the easement is enclosed for your review.

Mr. Michael F. Kurschat, M.S.F., ASA, MAI, a State Certified Appraiser, has determined that just compensation for the easement on your property totals \$12,334. A Copy of Mr. Kurschat's Appraisal Report is enclosed to provide an explanation for how this figure was determined and to help you evaluate this Good Faith Written Offer.

Pursuant to the provisions of the Uniform Condemnation Procedures Act, and on behalf of the City, I am authorized to make an offer of payment totaling \$12,334 in exchange for your signatures on the enclosed easement. If you choose to accept this offer and sign the enclosed easement, please return the original signed copy as well as the enclosed IRS W-9 Form. For recording purposes, the easement must be signed in the presence of a notary. A self-addressed, postage pre-paid envelope is enclosed for your use.

Once the signed easement and completed IRS W-9 Form is received by our office, we will forward payment of \$12,334 to you, along with a copy of the recorded easement.

Please review the enclosure and advise me of your position at your earliest convenience. If I have not heard from you by **November 29, 2024**, I will presume this offer has been rejected and it will be necessary for me to commence court proceedings to acquire the easement pursuant to the Uniform Condemnation Procedures Act.

The City reserves its rights to bring federal or state cost recovery actions against the present owner of the property arising out of a release of hazardous substances at the property, pursuant to MCL 213.55.

I remain hopeful that we can resolve this matter without the involvement of litigation and look forward to hearing from you. Should you have any questions, please do not hesitate to contact me at your earliest convenience.

Sincerely,

CLARK HILL



Lauren K. Burton

LKB:atb

Enclosures.

cc: Brian C. Grant, Esq., O'Reilly Rancilio P.C.
JoAnne Gurley, Esq., City Attorney, City of Pontiac



1" 30'

Legend

- Oak Drain Easements
- Pontiac Clinton River Drain No 3 Easements

DISCLAIMER:

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

OAKS DRAIN & PONTIAC CLINTON RIVER DRAIN NO. 3
CITY OF PONTIAC
Oakland County, Michigan

One Public Works Drive
Building 95 West
Waterford, Michigan
48328-1907



**WAIVER OF JUST COMPENSATION AND PARTICIPATION IN
CONDEMNATION PROCEEDINGS FOR HIGHWAY EASEMENT**

This Waiver (“Waiver”) is made, executed and delivered as of _____, 2024, by the PONTIAC-CLINTON RIVER DRAIN NO. 3 DRAINAGE DISTRICT (“Drainage District”);

1. On October 18, 2024, the City of Pontiac issued a good faith offer letter requesting the acquisition of a permanent easement on, over, across and under certain real property owned in fee by PLTC III Realty, L.L.C., which is described as follows:

a. Property Description:

LEGAL DESCRIPTION:

Parcel No. 14-32-255-003

LOT 16 AND 90 OF “ASSESSOR’S PLAT NO 117 A REPLAT OF ASSESSOR’S PLAT NO. 61 AND 93. AND A PART OF NORTH’S ADDITION” CITY OF PONTIAC, OAKLAND COUNTY, MICHIGAN, AS RECORDED IN LIBER 53, P. 37, O.C.R.

Parcel No. 14-32-255-002

LOT 17 AND 91 OF “ASSESSOR’S PLAT NO 117 A REPLAT OF ASSESSOR’S PLAT NO. 61 AND 93. AND A PART OF NORTH’S ADDITION” CITY OF PONTIAC, OAKLAND COUNTY, MICHIGAN, AS RECORDED IN LIBER 53, P. 37, O.C.R.

Parcel No. 14-32-251-003

LOT 18 AND 92 OF “ASSESSOR’S PLAT NO 117 A REPLAT OF ASSESSOR’S PLAT NO. 61 AND 93. AND A PART OF NORTH’S ADDITION” CITY OF PONTIAC, OAKLAND COUNTY, MICHIGAN, AS RECORDED IN LIBER 53, P. 37, O.C.R.

(collectively, the “Property”)

b. Permanent Easement:

PERMANENT EASEMENT DESCRIPTION:

LOT 90 AND THE EASTERLY 2.00 FEET OF LOT 16 OF “ASSESSOR’S PLAT NO 117 A REPLAT OF ASSESSOR’S PLAT NO. 61 AND 93. AND A PART OF NORTH’S ADDITION” CITY OF PONTIAC, OAKLAND COUNTY, MICHIGAN, AS RECORDED IN LIBER 53, P. 37, O.C.R.

LOT 91 AND THE EASTERLY 2.00 FEET OF LOT 17 OF “ASSESSOR’S PLAT NO 117 A REPLAT OF ASSESSOR’S PLAT NO. 61 AND 93. AND A PART OF NORTH’S ADDITION” CITY OF PONTIAC, OAKLAND COUNTY, MICHIGAN, AS RECORDED IN LIBER 53, P. 37, O.C.R.

LOT 92 AND THE EASTERLY 2.00 FEET OF LOT 18 OF “ASSESSOR’S PLAT NO 117 A REPLAT OF ASSESSOR’S PLAT NO. 61 AND 93. AND A PART OF NORTH’S ADDITION” CITY OF PONTIAC, OAKLAND COUNTY, MICHIGAN, AS RECORDED IN LIBER 53, P. 37, O.C.R.

- 2. The Drainage District is an “owner” as defined by the Uniform Condemnation Procedures Act, Public Act 87 of 1980, as amended.
- 3. In order to avoid the expense of litigation, the Drainage District is willing to waive its right to (a) contest the acquisition identified in the good faith offer letter; (b) pursue any just compensation; and (c) participate in the condemnation proceedings to be filed by the City.
- 4. Accordingly, the Drainage District hereby waives its right to (a) contest the acquisition identified in the good faith offer letter; (b) pursue any just compensation; and (c) participate in the condemnation proceedings to be filed by the City.

PONTIAC-CLINTON RIVER DRAIN NO. 3 DRAINAGE DISTRICT

By: _____
Name: _____
Its: _____
Dated: _____

9. Oaks Drain

AGENDA

DRAINAGE BOARD FOR THE OAKS DRAIN

November 26, 2024

1. Call meeting to order
2. Approve minutes of meeting of February 28, 2023
3. Public Comments
4. Present Memorandum from Jeff Parrott, Right of Way Supervisor, dated November 26, 2024, requesting the Board authorize the Chairperson to sign the Waiver of Just Compensation and Participation in Condemnation Proceedings for Highway Easement
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

February 28, 2023

A meeting of the Drainage Board for the Oaks Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 28th day of February 2023.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

ABSENT: None.

Minutes of the meeting held March 24, 2020, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

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

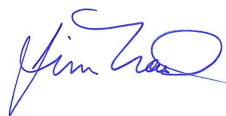
A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$11,689 for the Oaks Drain (as attached) were presented. It was moved by Markham, supported by Woodward, to adopt the Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$11,689 as presented.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.

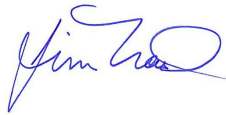


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Oaks Drain, Oakland County, Michigan, held on the 28th day of February 2023, 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 Oaks Drain Drainage District.



Jim Nash, Chairperson

Dated: February 28, 2023

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

TO: Jim Nash, Chairperson of the Oaks Drain Drainage District Board

FROM: Jeff Parrott, Right of Way Supervisor

SUBJECT: Highway Easement Agreement with the City of Pontiac

DATE: November 26, 2024

On October 18, 2024, the City of Pontiac issued the attached good faith offer letter to PLTC III Realty Investment seeking the acquisition of a permanent highway easement over a portion of property located on the west side of Bagley Street, south of the Clinton River Trail for the purpose of constructing a mixed-use hot asphalt path. The Drainage District has an existing easement within the subject real property and was therefore notified of the City's intent as an interested party.

To avoid the time and expense of litigation on behalf of all parties, the City prepared the attached Waiver of Just Compensation and Participation in Condemnation Proceedings for Highway Easement (the "Waiver"). The Waiver states the Drainage District is willing to waive its right to (a) contest the acquisition identified in the good faith offer letter; (b) pursue any just compensation; and (c) participate in the condemnation proceedings to be filed by the City. Legal and right of way staff have no objection to the easement acquisition or Waiver.

Requested Action: Authorize the Chairperson to sign the Waiver of Just Compensation and Participation in Condemnation Proceedings for Highway Easement.



Lauren K. Burton
T (248) 925-2962
F (248) 988-2309
Email: lbarton@clarkhill.com

Clark Hill
220 Park Street, Suite 200
Birmingham, MI 48009
T (248) 642-9692
F (248) 642-2174

November 14, 2024

PLTC III Realty Investment, LLC
c/o Maxxum Jirgens
26200 American Drive, Suite 500
Southfield, MI 48034

Pontiac-Clinton River Drain No. 3 Drainage
District
One Public Works Drive, Bldg 95W
Waterford, MI 48328

Oakland County Water Resources
Commissioner
One Public Works Drive, Bldg 95W
Waterford, MI 48328

Oaks Drain Drainage District
One Public Works Drive, Bldg 95W
Waterford, MI 48328

RE: **AMENDED GOOD FAITH WRITTEN OFFER TO PURCHASE EASEMENT**
City of Pontiac

PROPERTY PARCEL Nos. 14-32-255-003, 14-32-255-002, and 14-32-251-003
Vacant Land, West Side of Bagley Street, South of the Clinton River Trail, City
of Pontiac, Oakland County, Michigan

Dear Owners:

As you may know, our office represents the City of Pontiac (the "City"). The City is seeking to purchase a Highway Easement over a portion of your property located on the west side of Bagley Street, south of the Clinton River Trail in the City of Pontiac (Parcels Nos. 14-32-255-003, 14-32-255-002, and 14-32-251-003) for purposes of improvements to Bagley Street. A copy of the easement is enclosed for your review.

Mr. Michael F. Kurschat, M.S.F., ASA, MAI, a State Certified Appraiser, has determined that just compensation for the easement on your property totals \$12,334. A Copy of Mr. Kurschat's Appraisal Report is enclosed to provide an explanation for how this figure was determined and to help you evaluate this Good Faith Written Offer.

Pursuant to the provisions of the Uniform Condemnation Procedures Act, and on behalf of the City, I am authorized to make an offer of payment totaling \$12,334 in exchange for your signatures on the enclosed easement. If you choose to accept this offer and sign the enclosed easement, please return the original signed copy as well as the enclosed IRS W-9 Form. For recording purposes, the easement must be signed in the presence of a notary. A self-addressed, postage pre-paid envelope is enclosed for your use.

Once the signed easement and completed IRS W-9 Form is received by our office, we will forward payment of \$12,334 to you, along with a copy of the recorded easement.

Please review the enclosure and advise me of your position at your earliest convenience. If I have not heard from you by **November 29, 2024**, I will presume this offer has been rejected and it will be necessary for me to commence court proceedings to acquire the easement pursuant to the Uniform Condemnation Procedures Act.

The City reserves its rights to bring federal or state cost recovery actions against the present owner of the property arising out of a release of hazardous substances at the property, pursuant to MCL 213.55.

I remain hopeful that we can resolve this matter without the involvement of litigation and look forward to hearing from you. Should you have any questions, please do not hesitate to contact me at your earliest convenience.

Sincerely,

CLARK HILL



Lauren K. Burton

LKB:atb

Enclosures.

cc: Brian C. Grant, Esq., O'Reilly Rancilio P.C.
JoAnne Gurley, Esq., City Attorney, City of Pontiac



Legend

- Oaks Drain Easements
- Pontiac Clinton River Drain No 3 Easements

**WAIVER OF JUST COMPENSATION AND PARTICIPATION IN
CONDEMNATION PROCEEDINGS FOR HIGHWAY EASEMENT**

This Waiver (“Waiver”) is made, executed and delivered as of _____, 2024, by the OAKS DRAIN DRAINAGE DISTRICT (“Drainage District”);

1. On October 18, 2024, the City of Pontiac issued a good faith offer letter requesting the acquisition of a permanent easement on, over, across and under certain real property owned in fee by PLTC III Realty, L.L.C., which is described as follows:

a. Property Description:

LEGAL DESCRIPTION:

Parcel No. 14-32-255-003

LOT 16 AND 90 OF “ASSESSOR’S PLAT NO 117 A REPLAT OF ASSESSOR’S PLAT NO. 61 AND 93. AND A PART OF NORTH’S ADDITION” CITY OF PONTIAC, OAKLAND COUNTY, MICHIGAN, AS RECORDED IN LIBER 53, P. 37, O.C.R.

Parcel No. 14-32-255-002

LOT 17 AND 91 OF “ASSESSOR’S PLAT NO 117 A REPLAT OF ASSESSOR’S PLAT NO. 61 AND 93. AND A PART OF NORTH’S ADDITION” CITY OF PONTIAC, OAKLAND COUNTY, MICHIGAN, AS RECORDED IN LIBER 53, P. 37, O.C.R.

Parcel No. 14-32-251-003

LOT 18 AND 92 OF “ASSESSOR’S PLAT NO 117 A REPLAT OF ASSESSOR’S PLAT NO. 61 AND 93. AND A PART OF NORTH’S ADDITION” CITY OF PONTIAC, OAKLAND COUNTY, MICHIGAN, AS RECORDED IN LIBER 53, P. 37, O.C.R.

(collectively, the “Property”)

b. Permanent Easement:

PERMANENT EASEMENT DESCRIPTION:

LOT 90 AND THE EASTERLY 2.00 FEET OF LOT 16 OF “ASSESSOR’S PLAT NO 117 A REPLAT OF ASSESSOR’S PLAT NO. 61 AND 93. AND A PART OF NORTH’S ADDITION” CITY OF PONTIAC, OAKLAND COUNTY, MICHIGAN, AS RECORDED IN LIBER 53, P. 37, O.C.R.

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- 2. The Drainage District is an “owner” as defined by the Uniform Condemnation Procedures Act, Public Act 87 of 1980, as amended.
- 3. In order to avoid the expense of litigation, the Drainage District is willing to waive its right to (a) contest the acquisition identified in the good faith offer letter; (b) pursue any just compensation; and (c) participate in the condemnation proceedings to be filed by the City.
- 4. Accordingly, the Drainage District hereby waives its right to (a) contest the acquisition identified in the good faith offer letter; (b) pursue any just compensation; and (c) participate in the condemnation proceedings to be filed by the City.

OAKS DRAIN DRAINAGE DISTRICT

By: _____
Name: _____
Its: _____
Dated: _____

10. Twelve Towns Relief Drain

AGENDA

DRAINAGE BOARD FOR THE TWELVE TOWNS RELIEF DRAIN

November 26, 2024

1. Call meeting to order
2. Approve minutes of meeting of April 23, 2024
3. Public Comments
4. Present Memorandum from Jeffrey Parrott, Supervisor, Right of Way, dated November 26, 2024, requesting the Board authorize the Chairperson to sign the Easement Use Agreement to accommodate the Detroit Zoological Society's proposed construction within the easement for the Allen Branch of Royal Oak 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 TWELVE TOWNS RELIEF DRAIN**

April 23, 2024

A meeting of the Drainage Board for the Twelve Towns Relief Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 23rd day of April 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

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

Minutes of the meeting held May 22, 2018, were presented for consideration. It was moved by Markham, supported by Nash, that the minutes be approved.

ADOPTED: Yeas - 2
Nays - 0

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

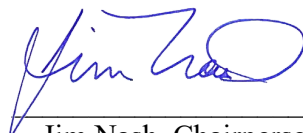
A memorandum from Jeffrey Parrott, Supervisor, Right of Way, dated April 23, 2024, requesting the Board authorize the Chairperson to sign the Easement Use Agreement to accommodate the City of Ferndale's proposed construction of multi-use courts across the Drainage District's easement was presented. It was moved by Markham, supported by Nash, to authorize the Chairperson to sign the Easement Use Agreement to accommodate the City of Ferndale's proposed construction of multi-use courts across the Drainage District's easement as presented.

ADOPTED: Yeas - 2
Nays - 0

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

ADOPTED: Yeas - 2
Nays - 0

There being no further business, the meeting was adjourned.




Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Twelve Towns Relief Drain, Oakland County, Michigan, held on the 23rd day of April 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: April 23, 2024

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**

MEMORANDUM

TO: Jim Nash, Chairperson of the Twelve Towns Relief Drains Drainage District

FROM: Jeffrey Parrott, Supervisor, Right of Way

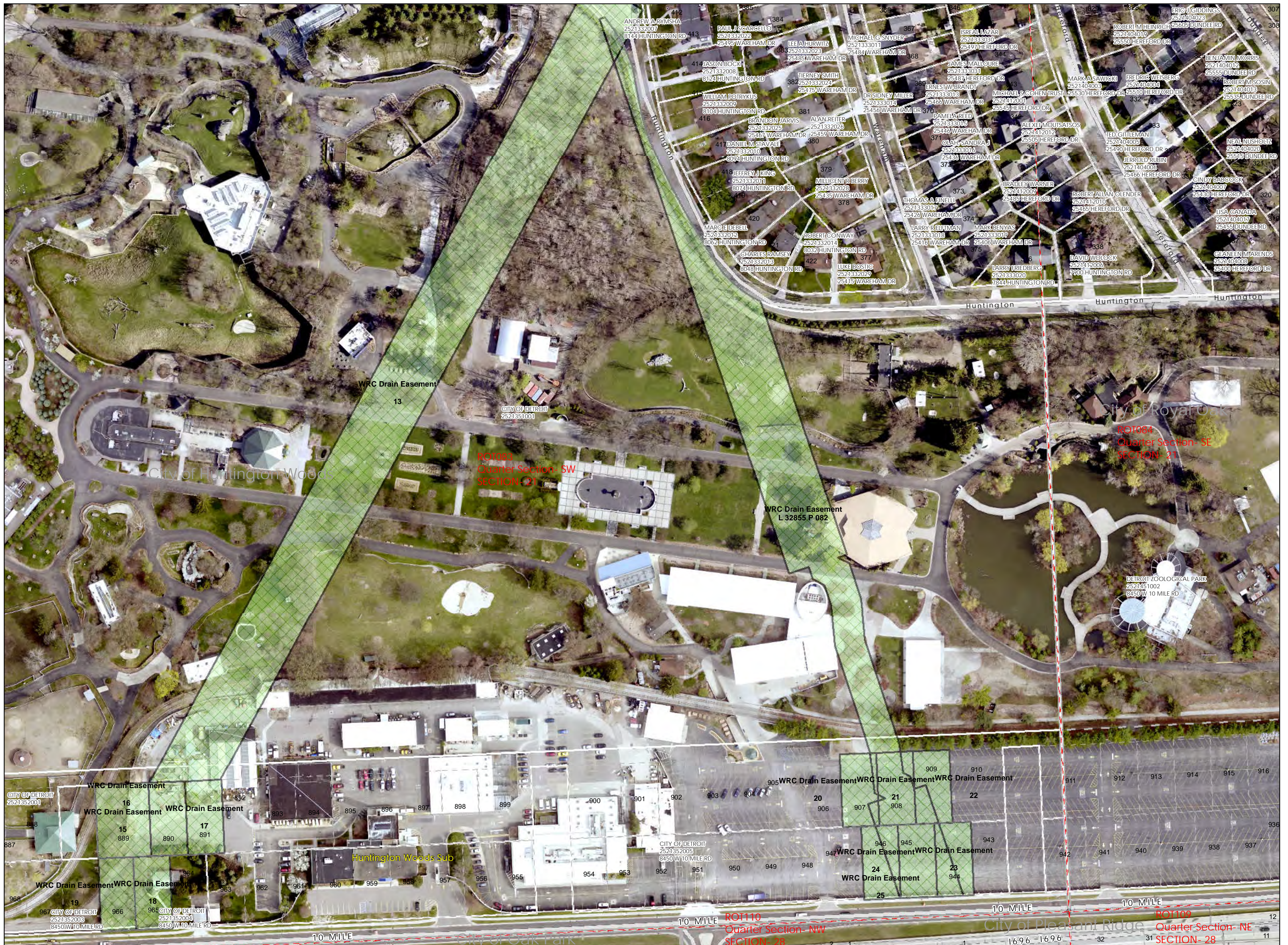
SUBJECT: Detroit Zoological Society, Discovery Trails Improvements – Easement Use Agreement

DATE: November 26, 2024

The Detroit Zoological Society is proposing improvements within an easement for the Allen Branch of the Royal Oak Drain now operated and maintained by the Twelve Towns Relief Drains Drainage District. Staff have no objection to the construction of these improvements provided there is an Easement Use Agreement between the Detroit Zoological Society and the Drainage District.

Attached is an Easement Use Agreement signed by the Detroit Zoological Society including exhibits for your review.

Requested Action: Authorize the chairperson to sign the Easement Use Agreement to accommodate the Detroit Zoological Society's proposed construction within the easement for the Allen Branch of the Royal Oak.



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

ALLEN BRANCH OF THE ROYAL OAK DRAIN
CITY OF HUNTINGTON WOODS
Oakland County, Michigan

One Public Works Drive
Building 95 West
Waterford, Michigan
48328-1907



EASEMENT USE AGREEMENT

This Agreement made and entered into this 4 day of OCTOBER, 2024 by and between **THE DETROIT ZOOLOGICAL SOCIETY**, a Michigan Nonprofit Corporation, (hereinafter called "**DZS**"), whose address 8450 W. Ten Mile Road, Royal Oak, Michigan 48067, and the **TWELVE TOWNS RELIEF DRAINS DRAINAGE DISTRICT**, a Michigan Statutory Public Corporation, acting through the Drainage Board for the TWELVE TOWNS RELIEF DRAINS under Chapter 20 of Act 40 of the Public Acts of 1956, as amended, which operates and maintains the ALLEN BRANCH of the ROYAL OAK DRAIN, ROYAL OAK DRAINAGE DISTRICT, a Michigan Statutory Public Corporation, (hereinafter called "**District**"), whose address is One Public Works Drive, Waterford, Michigan 48328-1907.

WITNESSETH:

WHEREAS, The **DZS** is fee owner of certain property, said property being described more particularly as Part of the Southwest $\frac{1}{4}$, Section 21, T.1N., R.11E., City of Huntington Woods, Oakland County, Michigan, and more particularly described below.

Part of the SW $\frac{1}{4}$ of Section 21, T.1N., R.11E., City of Huntington Woods, Oakland County, Michigan, more particularly described as follows: Beginning at a point distant North 298.00 ft. from the SW section corner, thence North 1886.10 ft., thence East 203.00 ft. thence Southeasterly along the Southerly line of Huntington Road 2927.37 ft., thence South 702.10 ft., thence West 2585.00 ft. to the point of beginning.

Sidwell No.: 25-21-351-001

WHEREAS, there is located permanent easements for the **DRAIN** over the afore-described parcel of property for drainage purposes, said permanent easements having been granted to the **District**, as shown in Drain Book 22, Page 631, Oakland County Drain Commissioner records; depicted in the attached **Exhibit A** and,

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

WHEREAS, **DZS** proposes to construct a pre-manufactured vendor's booth, concrete pad and sidewalks, private bioretention areas and pipes, private storm drainage pipes and structures, private storm drainage overflow structures, private watermain pipes and services, private sanitary service pipes, private power and lighting conduit, private optic fiber conduit and all appurtenances associated with these items, depicted in the attached **Exhibit B**; hereinafter referred to as the "**Improvements**", within said easement; and,

WHEREAS, **District** does not object to the placement or existence of said **Improvements** within the easement.

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, **DZS** and **District** mutually agree as follows:

- 1) **DZS** shall be allowed to construct and maintain the proposed **Improvements** within said easement as depicted in the attached **Exhibit B** approved by the **District**. Said **Improvements** to be used for personal enjoyment, and shall further be subject to the following conditions:

- a) The proposed **Improvements** shall remain located so as not to interfere with or impede the flow of surface drainage within the easement area. Any change or modification to the approved plans shall require prior approval from the **District**.
- b) **DZS** shall notify **District** 48 hours prior to any modification to arrange inspection as may be necessary.
- c) **DZS** shall not change the grade within the easement to interfere with or impede the flow of surface drainage.

- 2) The **Improvements** and all related appurtenances shall be subject to the paramount rights of the **District**.
- 3) Except as permitted by this agreement, **DZS** shall not build or convey to others permission to build any additional permanent structures in or on the easement area. As used herein, the term "**permanent structures**" shall include, by way of example but not limitation, garages, additions, 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, successors 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 or damage to the **Improvements** located within the easement, **DZS** shall be solely responsible for any increased costs to the **District** and all costs associated with the restoration of said **Improvements**.

- 4) **DZS** indemnifies 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 **DZS**, contractors, guests, visitors, invitees, licensees, and any other person coming upon the premises, except for **District**, its agents, successors or assigns.
- 5) **DZS** acknowledges and further holds 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) **DZS** shall be solely responsible for any damage to **District's** facilities due to use of the easement area.
- 7) **DZS** and/or its contractor shall be responsible for and obtain any permits, approvals or clearances as may be required from federal, state, or local authorities, the public utilities and private property owners.
- 8) The terms, conditions, covenants, and other provisions contained in this Agreement shall run with the land and be binding upon and inure to the benefit of each of the parties hereto and their respective agents, successors, and assigns; further, this instrument shall be recorded in the Register of Deeds Office, Oakland County, Michigan, as a condition precedent to effectuation of the Agreement.

(Remainder of this page intentionally left blank)

IN WITNESS WHEREOF, the **DZS** hereto have signed and sealed the foregoing document the day and year first written above.

DZS

DETROIT ZOOLOGICAL SOCIETY, a
Michigan Nonprofit Corporation

By: Hayley Murphy

Its: CEO

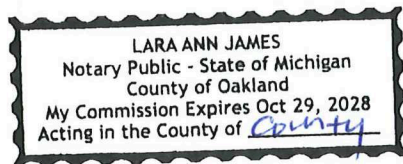
ACKNOWLEDGEMENT

STATE OF MICHIGAN)

)SS:

COUNTY OF)

On this 14th day of October, 2024, before me, a Notary Public in and for said County, personally appeared Hayley Murphy to me personally known, who being by me severally duly sworn did say that they are the CEO of the **Detroit Zoological Society**, a Michigan Nonprofit Corporation, created and existing under the laws of the State of Michigan, and that the said **Agreement** was signed and sealed in behalf of said Corporation by authority of its Board of Directors, and the said CEO acknowledged the said instrument to be the free act and deed of the said Nonprofit Corporation.



Lara Ann James
_____, Notary Public
Oakland County,
My Commission Expires: 10-29-2028
Acting in County of Oakland

IN WITNESS WHEREOF, the **District** has hereunto affixed its signature this
_____ day of _____ A.D., 2024.

DISTRICT

**TWELVE TOWNS RELIEF DRAINS
DRAINAGE DISTRICT**, a Michigan
Statutory Corporation, acting through the
Twelve Towns Relief Drains Drainage
Board

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

ACKNOWLEDGEMENT

STATE OF MICHIGAN)
)SS:
COUNTY OF OAKLAND)

On this _____ day of _____, A.D. 2024, before me a Notary
Public in and for said County appeared Jim Nash, who being by me duly sworn did say he is
Chairperson of the **Twelve Towns Relief Drains Drainage Board** for the **Twelve Towns
Relief Drains Drainage District** and that this Agreement was signed and sealed on behalf of the
Board and District.

_____, Notary Public
_____ County, _____
My Commission Expires: _____
Acting in County of _____

Instrument drafted by:

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

Exhibit A

ROYAL OAK DRAIN

APPLICATION FOR LAYING OUT AND DESIGNATING A DRAINAGE DISTRICT.

To the County Drain Commissioner of the County
of Oakland

Your petitioners respectfully show that they are freeholders in the Townships of Troy, Bloomfield, Southfield and Royal Oak in the County of Oakland, State of Michigan, in which said Townships the drainage district for the proposed Royal Oak Drain herein applied for to be located and established, in which said Townships of Troy, Bloomfield, Southfield and Royal Oak all the lands to be drained thereby, and to be assessed therefor are also situated.

Your petitioners further respectfully show that the following persons to-wit:

NAMES

Lois M. Adix
Fred D. Beneway
J. A. Hughes
W. H. Draper
Jas. G. Randolph
Charles A. Burr
C. B. Edwards
B. E. Bumer
John E. Brendige
William Sullivan
Wm. Beltz
Mable W. Baldwin
Beerridge & Morrison, Inc.
Jas. A. Tucker
Chas. R. Raine
W. L. Kehl
H. C. Hansen
Carl Cassube
Chas. W. Miller

NAMES

E. G. Fluhsig
S. E. Hurd
Fred Stieler
Chas. M. Highley
C. A. Newberry
J. C. Austin
G. E. Renton
E. A. Root
L. D. Fell
C. H. Ringelberg
P. H. Beauvais
Casper Schroff
R. Bruce Fleming
William H. Shiek
Guy J. Miller
Robert J. Westmore
John Comerford
J. E. Mitchell
Knud & Sophie Erickson

constitutes ten freeholders, one-half of whom will be liable to an assessment for the construction of such proposed Drain.

Your petitioners therefore make application, and hereby respectfully ask you to lay out and establish a drainage district in the said Townships of Troy, Bloomfield, Southfield and Royal Oak under the provisions of Act. No. 316 of the Public Acts of 1923, the location of said drain to be substantially as follows, as may be finally determined by you to-wit: Commencing at the intersection of Campbell Road, 12 Mile Road and Red Run Drain near the southeast corner section 10 Royal Oak Township, running thence westerly along the present Red Run Drain to a point where Alexander Avenue would intersect said Red Run Drain if extended north of the 12 Mile Road; thence southwesterly to the intersection of the 12 Mile Road with the first street west of Alexander Avenue; thence westerly along the 12 Mile Road to its intersection with Vinsetta Blvd.

Red Run Branch

Beginning at the intersection of the existing Red Run Drain with Alexander Avenue extended north of 12 Mile Road said point being near the north and south 1/4 line section 10 Royal Oak Township where said line crosses the present Red Run Drain, thence northwesterly along said Red Run Drain to Main Street, thence west along the present Red Run Drain to Oakwood Drive thence southwesterly along Vinsetta Blvd. to the Crooks Road.

Allen Branch

Beginning at the intersection of 12 Mile Road and West Street near the intersection of the east, north and south 1/8 line with the north line of section 16 Royal Oak Township, running thence southerly along West Street to Farnum Avenue, thence southwesterly intersecting 11 Mile Road at a point west of its intersection with Laurel Street thence continuing in the southwesterly direction to the intersection of Woodward Avenue and Lincoln Avenue in section 21 Royal Oak Township, thence continuing in a southwesterly direction on Lincoln Blvd. to Hendrie Blvd. near its intersection with York Street, thence southwesterly on Hendrie Blvd. to its intersection with Huntington Road thence in a southwesterly direction to the intersection of the 10 Mile Road and Wilcox Avenue; thence south on Wilcox Avenue to Northfield Blvd. thence west on Northfield Blvd. to Rosewood Avenue thence south on Rosewood Avenue to the 9 Mile Road thence west on 9 Mile Road to Oneida Avenue thence south to Sunset Blvd at a point near the center of the southeast 1/4 of section 32 Royal Oak Township, thence west to the Scotia Road, thence south on Scotia Road to the 6 Mile Road.

| UNKNOWN AND NON-RESIDENT OWNERS | DESCRIPTION OF LAND | AMOUNT OF DAMAGES AWARDED |
|--|---|---------------------------|
| 1. L. Read non-resident | West 50 feet of a parcel of land bounded west by the east 1/8 line of section 16 Royal Oak Twp. on the north by Northwest St. and Schoenherr's Sub. and the east by Geo. Wietzel and Crane Ave. and on the south by Henry Andersons land located in the NW 1/4 of the NE 1/4 of the SE 1/4 section 16, Royal Oak Township. | \$1.00 |
| 2. Frank L. Knowles non-resident | East 25 feet of a parcel of land lying immediately west of the east 1/8 line of section 16 Royal Oak Township bounded on the north by Mary J. Anger; on the east by Northwest Ave., on the south by School lot and west Farnum Ave. and on the west by Maxwell Ave. and located in the NW 1/4 of the SE 1/4 of Section 16, Royal Oak township. (Frank L. Knowles) | \$1.00 |
| 3. Royal Oak School Board non-resident | East 25 feet of a parcel of land lying immediately north of W. Farnu, Ave. and immediately west of Northwest Ave. in the SE corner of the NW 1/4 of the SE 1/4 of section 16, Royal Oak Township. | \$1.00 |
| 4. <i>UNK</i> | * A parcel of land 26 feet in width extending from the corner of Northwest Ave. and west Farnum Ave. in a south-westerly direction to First St. at a point on the north line of 1st St. between lots 162 and 163 of Edgewood Park Subdivision in the SW 1/4 of the SE 1/4 of section 16, Royal Oak Township. | .06 |
| 5. Grand Trunk Railroad non-resident | A parcel of land 26 feet in width across the Grand Trunk Right-of-way extending from a point between lots #131 and 183 of Edgewood Park Subdivision to a point between lots 140 and 141 of Edgewood Park Subdivision in the SW 1/4 of the SE 1/4 section 16, Royal Oak Township. | .06 |
| 6. | Lot 13 Meadow Park Addition section 21, Royal Oak Township. | \$1.00 |
| 7. | Lot 145 (W. 40 feet) Meadow Park Add. section 21, Royal Oak Township. | \$1.00 |
| 8. | Lot 289 Meadow Park Addition, section 21, Royal Oak Township. | \$1.00 |
| 9. | Lot 71 (E. 90 feet) Hendrie Blvd. Sub. section 21, Royal Oak Township. | \$5.00 |
| 10. | Lot 72 Hendrie Blvd. Subdivision, section 21, Royal Oak Township. | \$7.50 |
| 11. | Lot 74 Hendire Blvd. Subdivision, section 21, Royal Oak Township. | \$1.00 |
| 12. | Lot 80 (W. 25 feet.) Hendrie Blvd. Sub. section 21, Royal Oak Township. | .06 |
| 13. City of Detroit Zoological Park Non-resident | A strip of land 100 feet in width beginning at the intersection of Huntington Road and Ivanhoe Road in the Huntington Woods Subdivision and extending in a southwesterly direction to a point at the NE corner of lot 890 Huntington Woods subdivision in the S 1/2, section 21, Royal Oak Twp. and also | \$25.00 |
| 14. | A strip of land 100 feet in width beginning at the intersection of Huntington Road and Ivanhoe Road in the Huntington Woods Subdivision and running thence southeasterly direction to a point 10 feet east of the northwest corner of lot 908 Huntington Woods Subdivision in the S 1/2, section 21, Royal Oak Township. | |
| 15. | Lot 889 Huntington Woods Subdivision, section 21, Royal Oak Township. | .06 |
| 16. | Lot 890 Huntington Woods Subdivision, section 21, Royal Oak Township. | .06 |

UNKNOWN AND NON-RESIDENT
OWNERS

DESCRIPTION OF LAND

AMOUNT OF DAMAGES
AWARDED

| | | | |
|-----|---|--|--------|
| 17. | | Lot 891 Huntington Woods Subdivision, section 21, Royal Oak Township. | .06 |
| 18. | | Lot 965 Huntington Woods Subdivision, section 21, Royal Oak Township. | .06 |
| 19. | | Lot 966 Huntington Woods Subdivision, section 21, Royal Oak Township. | .06 |
| 20. | | Lot 907 Huntington Woods Subdivision, section 21, Royal Oak Township. | .06 |
| 21. | | Lot 908 Huntington Woods Subdivision, section 21, Royal Oak Township. | \$1.00 |
| 22. | | Lot 909 Huntington Woods Subdivision, section 21, Royal Oak Township. | .06 |
| 23. | | Lot 944 Huntington Woods Subdivision, section 21, Royal Oak Township. | \$1.00 |
| 24. | | Lot 945 Huntington Woods Subdivision, section 21, Royal Oak Township. | \$1.00 |
| 25. | | Lot 946 Huntington Woods Subdivision, section 21, Royal Oak Township. | .06 |
| 26. | Detroit United Railway non-resident | A strip of land 26 feet in width across the D.U.R. Right-of-way on First St. between sections 16 and 21 Royal Oak Township from a point between lots 162 and 163 of Edgewood Park Sub. to a point 10 feet east of the northwest corner of lot 12 Meadow Park Addition. | .06 |
| 27. | | Lot 1 Burroak Subdivision, section 28, Royal Oak Township. | .06 |
| 28. | | Lot 2 Burroak Subdivision, section 28, Royal Oak Township. | .06 |
| 29. | | Lot 4, Burroak Subdivision, section 28, Royal Oak Township. | .06 |
| 30. | Frank Chapman non-resident, | The east 50 feet, the north 50 feet, and the west 50 feet of a parcel of land bounded north by Roanoke Sub. West by Roseland Ave. south by F. Kunze and east by Eldorado Blvd. in the SW 1/4 of the NW 1/4, section 28, Royal Oak Township. | .06 |
| 31. | F. Kunze non-resident | The east 50 feet and the west 50 feet of a parcel of land bounded west by Rosewood Ave. north by Frank Chapman, east by Eldorado Blvd. south by L. Moran in the SW 1/4 of the NW 1/4, section 28, Royal Oak Township. | .06 |
| 32. | L. Moran non-resident | The west 50 feet of a parcel of land bounded west by Rosewood Ave. north by F. Kunze, east by Eldorado Blvd., south by Robitaille Kehl Sub. in the SW 1/4 of the NW 1/4 section 28, Royal Oak Township. | .06 |
| 33. | | Lot 53 Oak Park Subdivision, section 28, Royal Oak Township. | .06 |
| 34. | | Lot 54 Oak Park Subdivision, section 28 Royal Oak Township. | .06 |
| 35. | | Lot 246 Oak Park Subdivision, section 28 Royal Oak Township. | .06 |
| 36. | | Lot 247 Oak Park Subdivision, section 28 Royal Oak Township | .06 |
| 37. | | Lot 248 Oak Park Subdivision, section 28 Royal Oak Township. | .06 |
| 38. | | Lot 249 Oak Park Subdivision, section 28, Royal Oak Township. | .06 |
| 39. | | Lot 250 Oak Park Subdivision, section 28, Royal Oak Township. | .06 |
| 40. | | Lot 251 Oak Park Subdivision, section 28, Royal Oak Township. | .06 |
| 41. | | Lot 252 Oak Park Subdivision, section 28, Royal Oak Township. | .06 |

| UNKNOWN AND NON-RESIDENT OWNERS | DESCRIPTION OF LAND | AMOUNT OF DAMAGES AWARDED |
|---------------------------------|---|---------------------------|
| 760. | A strip of land 25 feet across 11 Mile Road between Pleasant and Laurel (Oakland County Road Comm. non-resident) | .06 |
| 761. | E. 50 feet of parcel of land in the NE 1/4 section 9, Royal Oak Township bounded S. by Waldheim Place Sub. E. by H.W. Jansen, N. by Orchard View Drive extended, W. by F.E. Briggs. | 100.00 |
| 762. | W. 50 feet of parcel of land in NE 1/4 section 9, Royal Oak Twp. bounded E. by Main St. W. by Leadendorf N. by McVay S. by Orchard View Drive extended. | .06 |
| 763. | E. 50 feet of parcel of land in NE 1/4 section 9, Royal Oak Twp. bounded S. by Orchard View Drive, W. by F.E. Briggs N. by McVay, E. by Charles Mabley. | .06 |
| 764. | W. 50 feet of parcel of land in NE 1/4 section 9, Royal Oak Twp. bounded N. by Orchard View Drive, extended, E. by Main St. S. by Shick, W. by Purdy. | .06 |
| 765. | A strip of land 100 feet wide along the line of proposed Drain and across a parcel of land (owner unknown) lying between Oak Ridge Park Sub. No. 1 and Waldheim Place Sub. in NE 1/4 section 9 Royal Oak Township and not included by the release given by James McVey and descriptions 761-762-763-764 listed above. | .06 |

And we do further certify and return, that our determination as to the necessity for taking and using said private property for the use and benefit of the public for the purpose of said Drain, and our appraisal and determination of the damages and compensation justly to be made to the owners of or persons interested in each particular tract or parcel of land proposed to be taken for the purpose aforesaid, were arrived at in accordance with our best judgement and ability, and without favor or partiality to any one; also, that the several compensations and awards, as above returned, have been made and determined by us without references to any benefits that may accrue to the said several tracts or parcels of land in consequence of the construction of the said Drain, and after such view and hearing aforesaid, and after obtaining on our part, full knowledge of the dimensions, as well as all other particulars, with reference to said Drain.

All of which is respectfully submitted.

Given under our hands, this 17th day of October, A.D. 1925.

Mark B. Armstrong

Frank H. Maddon

Earl L. Phillips.

Special Commissioners.

July 2, 1925.

TO WHOM IT MAY CONCERN

I, Burton P. Daugherty, County Clerk of Oakland County Michigan do hereby certify that the assessed valuation of the Royal Oak Drain District in Oakland County is in excess of \$59,000,000.00 and the population is conservatively estimated at 40,000.

Burton P. Daugherty
County Clerk,
Oakland County, Michigan.

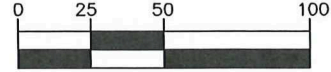
Exhibit B

OAKLAND COUNTY DRAIN ENCROACHMENT

EXHIBIT 'A' UTILITIES



GRAPHIC SCALE



(IN FEET)

1 inch = 50 ft.

PRIVATE WATERMAIN PIPE
LENGTH = 106.33 FT
DIAMETER OF PIPE = 8 IN
MATERIAL = DUCTILE IRON CLASS 54

PRIVATE STORM PIPE
LENGTH = 50.1 FT
DIAMETER OF PIPE = 12 IN
MATERIAL = HIGH DENSITY POLYURETHANE PIPE (HDPE)
12" N INVERT = 650.50 FT
12" S INVERT = 650.72 FT

PRIVATE STORM PIPE
LENGTH = 46.3 FT
DIAMETER OF PIPE = 24 IN
MATERIAL = HIGH DENSITY POLYURETHANE PIPE (HDPE)
24" E INVERT = 648.79 FT
24" W INVERT = 648.91 FT

PRIVATE STORM STRUCTURE
DIAMETER OF STRUCTURE = 48 IN
MATERIAL = ASTM C478 CONCRETE
SUMP ELEVATION = 651.16 FT

PRIVATE STORM PIPE
LENGTH = 27.2 FT
DIAMETER OF PIPE = 12 IN
MATERIAL = HIGH DENSITY POLYURETHANE PIPE (HDPE)
12" E INVERT = 652.02 FT
12" W INVERT = 651.27 FT

PRIVATE STORM STRUCTURE
DIAMETER OF STRUCTURE = 60 IN
MATERIAL = ASTM C478 CONCRETE
SUMP ELEVATION = 643.16 FT

PRIVATE STORM PIPE
LENGTH = 36.70 FT
DIAMETER OF PIPE = 12 IN
MATERIAL = HIGH DENSITY POLYURETHANE PIPE (HDPE)
12" W INVERT = 651.44 FT
12" E INVERT = 651.88 FT

PRIVATE STORM PIPE
LENGTH = 20.4 FT
DIAMETER OF PIPE = 18 IN
MATERIAL = HIGH DENSITY POLYURETHANE PIPE (HDPE)
18" S INVERT = 648.55 FT
18" N INVERT = 648.50 FT

PRIVATE STORM PIPE
LENGTH = 59.80 FT
DIAMETER OF PIPE = 36 IN
MATERIAL = HIGH DENSITY POLYURETHANE PIPE (HDPE)
36" SW INVERT = 644.20 FT
36" NE INVERT = 644.03 FT

PRIVATE STORM STRUCTURE
DIAMETER OF STRUCTURE = 48 IN
MATERIAL = ASTM C478 CONCRETE
SUMP ELEVATION = 634.20 FT

PRIVATE STORM PIPE
LENGTH = 16.9 FT
DIAMETER OF PIPE = 24 IN
MATERIAL = HIGH DENSITY POLYURETHANE PIPE (HDPE)
24" N INVERT = 648.00 FT
24" S INVERT = 647.92 FT

PRIVATE STORM STRUCTURE
DIAMETER OF STRUCTURE = 48 IN
MATERIAL = ASTM C478 CONCRETE
SUMP ELEVATION = 634.20 FT

PRIVATE STORM PIPE
LENGTH = 60 FT
DIAMETER OF PIPE = 6 IN
MATERIAL = PERFORATED POLYVINYL CHLORIDE (PVC)
6" N INVERT = 652.05 FT
6" S INVERT = 651.75 FT

PRIVATE OVERFLOW STORM STRUCTURE
DIAMETER OF STRUCTURE = 24 IN
MATERIAL = ASTM C-K6 CLASS III CONCRETE
SUMP ELEVATION = 650.72 FT

PRIVATE STORM STRUCTURE
DIAMETER OF STRUCTURE = 48 IN
MATERIAL = ASTM C478 CONCRETE
SUMP ELEVATION = 648.91 FT

PRIVATE STORM PIPE
LENGTH = 31.45 FT
DIAMETER OF PIPE = 18 IN
MATERIAL = HIGH DENSITY POLYURETHANE PIPE (HDPE)
24" E INVERT = 648.90 FT
24" W INVERT = 649.26 FT

PRIVATE STORM PIPE
LENGTH = 33.50 FT
DIAMETER OF PIPE = 12 IN
MATERIAL = HIGH DENSITY POLYURETHANE PIPE (HDPE)
12" S INVERT = 650.50 FT
12" N INVERT = 650.72 FT

PRIVATE OVERFLOW STORM STRUCTURE
DIAMETER OF STRUCTURE = 24 IN
MATERIAL = ASTM C-K6 CLASS III CONCRETE
SUMP ELEVATION = 651.06 FT

PRIVATE SANITARY SERVICE PIPE
LENGTH = 63.60 FT
DIAMETER OF PIPE = 15 IN
MATERIAL = PVC TRUSS, SDR 23.5

PROPOSED PRE-MANUFACTURED VENDOR'S BOOTH

PRIVATE WATERMAIN SERVICE PIPE
LENGTH = 37.00 FT
DIAMETER OF PIPE = 1.5 IN
MATERIAL = DUCTILE IRON CLASS 54

PRIVATE STORM PIPE
LENGTH = 100 FT
DIAMETER OF PIPE = 6 IN
MATERIAL = PERFORATED POLYVINYL CHLORIDE (PVC)
6" SE INVERT = 651.06 FT
6" NE INVERT = 652.06 FT

PRIVATE SANITARY SERVICE PIPE
LENGTH = 78.00 FT
DIAMETER OF PIPE = 4 IN
MATERIAL = PVC TRUSS, SDR 23.5

PRIVATE WATERMAIN SERVICE PIPE
LENGTH = 93.25 FT
DIAMETER OF PIPE = 1.5 IN
MATERIAL = DUCTILE IRON CLASS 54

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SPALDING DeDECKER
Engineers | Surveyors

15 E. Baltimore Ave.
Detroit, MI 48202
Phone (313) 305-9120



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DRAWN: DS

DATE: 2024-02-28

CHECKED: .

DATE: 2024-xx-xx

MANAGER: TDM

SCALE: 1" = 50'

JOB No. DE22022

SHEET: 1 OF 4

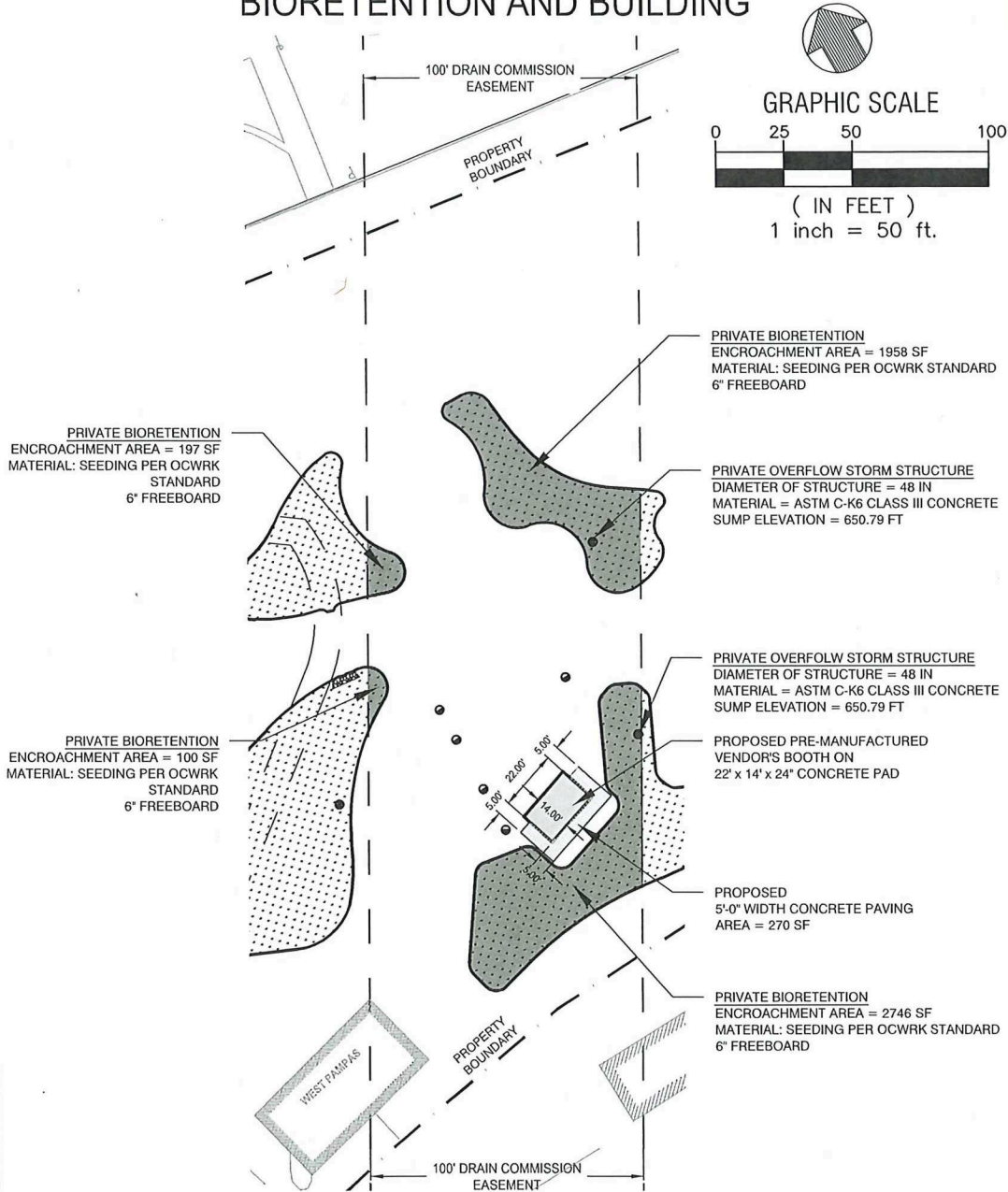
SECTION 21 TOWN 01 NORTH RANGE 11 EAST

ROYAL OAK

OAKLAND COUNTY, MI

OAKLAND COUNTY DRAIN ENCROACHMENT

EXHIBIT 'B' BIORETENTION AND BUILDING



Plotted: Feb 28, 2024, 4:50 PM by user: 9119 — Saved: 2/28/2024 by user: 9119
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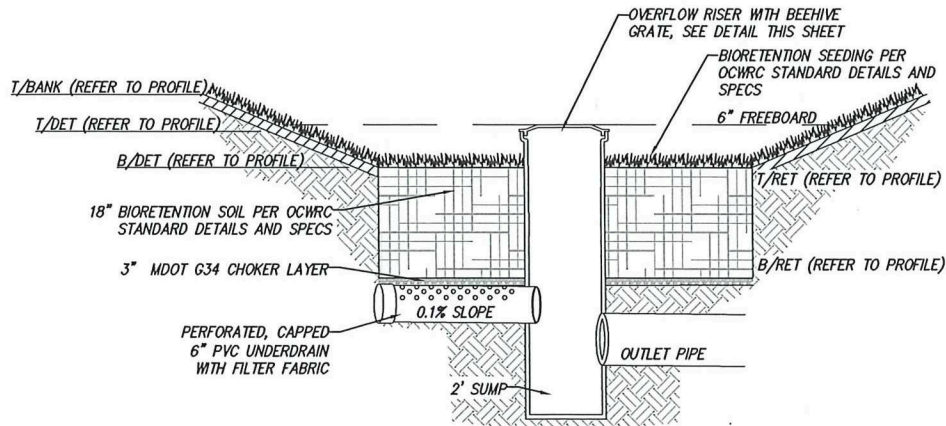


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| DRAWN: DS | DATE: 2024-02-28 |
| CHECKED: . | DATE: 2024-xx-xx |
| MANAGER: TDM | SCALE: 1" = 50' |
| JOB No. DE2022 | SHEET: 2 OF 4 |
| SECTION 21 TOWN 01 NORTH RANGE 11 EAST | |
| ROYAL OAK | OAKLAND COUNTY, MI |

OAKLAND COUNTY DRAIN ENCROACHMENT

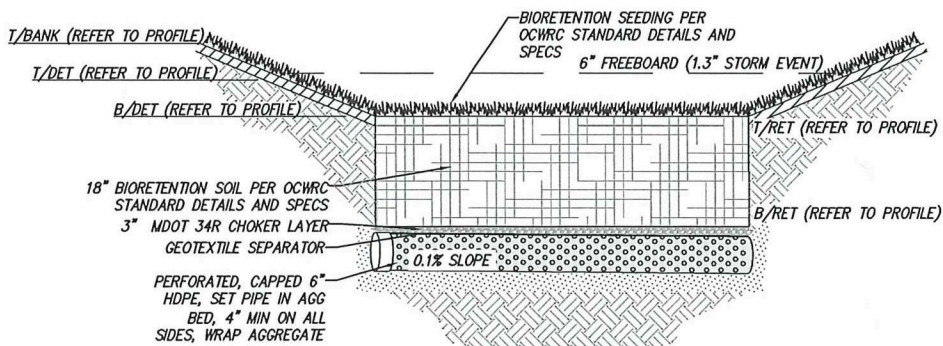
EXHIBIT 'A' BIORETENTION CROSS SECTIONS



DETAIL

BIORETENTION CROSS SECTION
WITH OVERFLOW STRUCTURE
A - A' SCALE: NOT TO SCALE

BR
C-540



DETAIL

BIORETENTION CROSS SECTION
WITHOUT OVERFLOW STRUCTURE
A - A' SCALE: NOT TO SCALE

BR
C-540

Plotted: Feb 28, 2024, 4:50 PM by user: 9119 - Saved: 2/28/2024 by user: 9119
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Engineers | Surveyors

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Phone (313) 305-9120



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DRAWN: DS

DATE: 2024-02-28

CHECKED: .

DATE: 2024-xx-xx

MANAGER: TDM

SCALE: 1" = 50'

JOB No. DE22022

SHEET: 3 OF 4

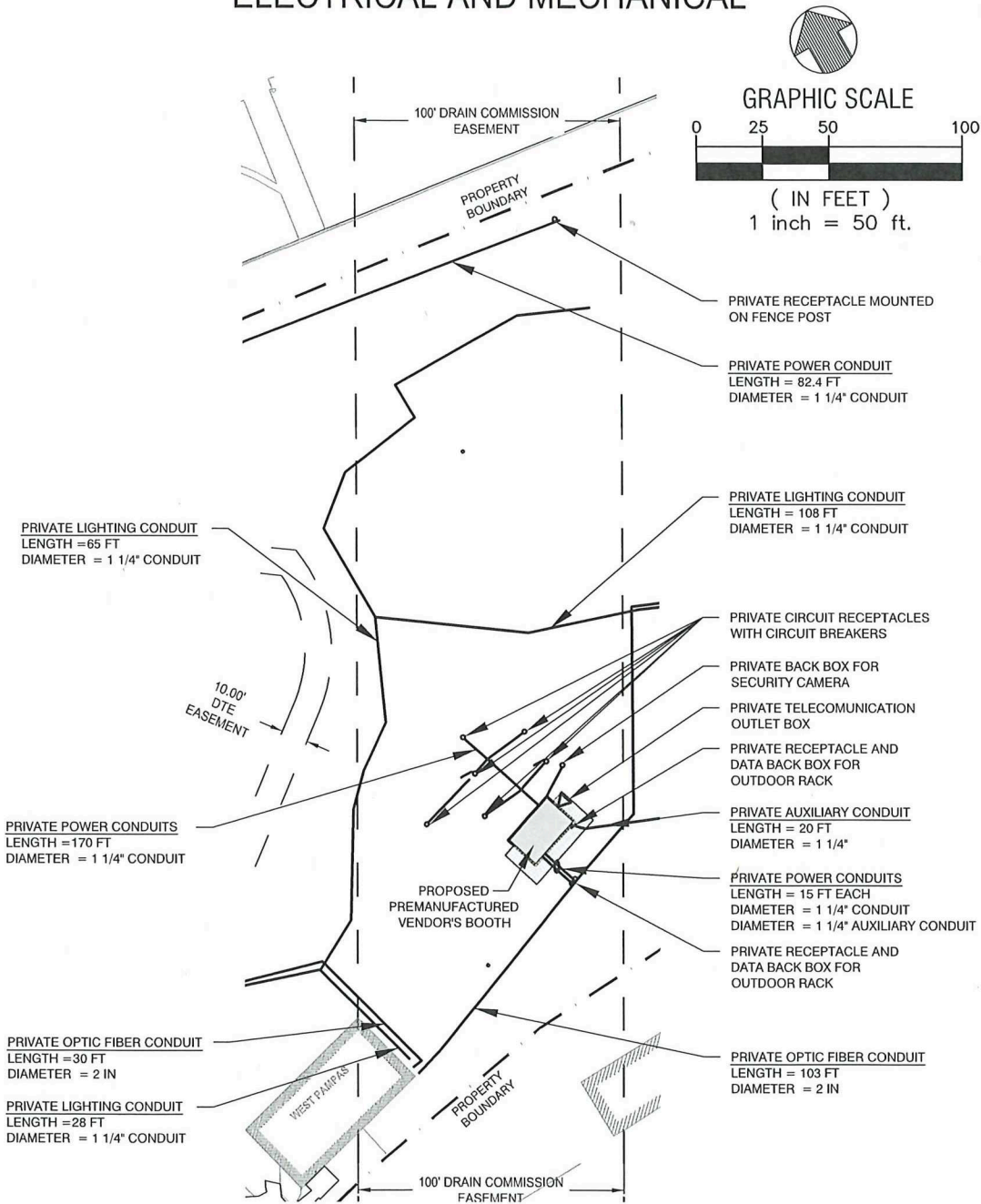
SECTION 21 TOWN 01 NORTH RANGE 11 EAST

ROYAL OAK

OAKLAND COUNTY, MI

OAKLAND COUNTY DRAIN ENCROACHMENT

EXHIBIT 'A' ELECTRICAL AND MECHANICAL



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DRAWN: DS

DATE: 2023-10-17

CHECKED: .

DATE: 2024-xx-xx

MANAGER: TDM

SCALE: 1" = 50'

JOB No. DE22022

SHEET: 1 OF 4

SECTION 21 TOWN 01 NORTH RANGE 11 EAST

ROYAL OAK

OAKLAND COUNTY, MI

11. Augusta Drain

AGENDA

DRAINAGE BOARD FOR THE AUGUSTA DRAIN

November 26, 2024

1. Call meeting to order
2. Approve minutes of meeting of October 22, 2024
3. Public Comments
4. Present Memorandum from Geoff Wilson, P.E. – Chief Engineer, dated November 26, 2024, requesting the Board:
 - a) Award the Augusta Drain CWSRF Repairs – Dropfall Structure Reconstruction contract to Trojan Development Co., Inc., contingent upon staff review of all documentation, bonds, and insurance, for the as-bid amount of \$491,112.50.
 - b) Award the Augusta Drain CWSRF Repairs – Storm System Rehabilitation contract to Pamar Enterprises, Inc., contingent upon staff review of all documentation, bonds, and insurance, for the as-bid amount of \$454,587.94
 - c) Award the Augusta Drain CWSRF Repairs – Riparian and Vegetative Buffer Strip Improvements contract to Natural Community Services, LLC, contingent upon staff review of all documentation, bonds, and insurance, for the as-bid amount of \$92,429.50
5. Present Change Order No. 1 for T.R. Pieprzak Co., Inc., for Construction of the Augusta Drain Norton Street Innovation Project for a net increase in the amount of \$41,973.80
6. Present Construction Estimate No. 4 for T.R. Pieprzak Co., Inc., for Construction of the Augusta Drain Norton Street Innovation Project in the amount of \$107,648.64
7. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$256,655.11
8. Other business
9. Approve pro rata payment to Drainage Board members
10. Adjourn

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

October 22, 2024

A meeting of the Drainage Board for the Augusta Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 22nd day of October 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

ABSENT: None.

Minutes of the meeting held September 24, 2024, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

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

Construction Estimate No. 3 for T.R. Pieprzak Co., Inc., for Construction of the Augusta Drain Norton Street Innovation Project in the amount of \$208,458.19 with a transfer to the Oakland County Treasurer in the amount of \$18,066.51 was presented. It was moved by Markham, supported by Woodward, to approve Construction Estimate No. 3 for T.R. Pieprzak Co., Inc., for Construction of the Augusta Drain Norton Street Innovation Project in the amount of \$208,458.19 with a transfer to the Oakland County Treasurer in the amount of \$18,066.51 as presented.

ADOPTED: Yeas - 3
Nays - 0

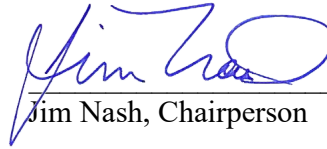
A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$13,458.60 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$13,458.60.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.

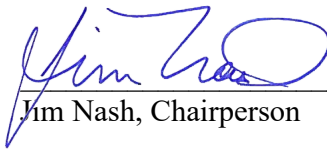


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Augusta Drain, Oakland County, Michigan, held on 22nd day of October 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: October 22, 2024

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

TO: Jim Nash, Chairperson of the Augusta Drain Drainage Board

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

SUBJECT: Augusta Drain CWSRF Repairs – Bid Awards

DATE: November 26, 2024

The Augusta Drain CWSRF Repairs project was bid in September 2024 with only one responsive bidder. The bid amount was \$1,857,660.14, against an initial engineering estimate of \$769,000. Staff elected to continue with the same scope of work but to rebid the project as three smaller projects (dropfall structure reconstruction, storm system rehabilitation, and riparian buffer strip improvements). Bids were received for the three projects in November 2024, with each project receiving three bids. The sum of the project low bids total \$1,038,129.94. The total CWSRF grant is for \$920,000. EGLE staff informed WRC staff that additional grant funds were not available to cover the overrun.

Hubbel, Roth, and Clarke, Inc. (HRC) reviewed the bids and has recommended contract awards. HRC is continuing to review contract documents to finalize the contracts and will review all bonds and insurance prior to executing the contract.

Requested Action:

- 1.) Award the Augusta Drain CWSRF Repairs – Dropfall Structure Reconstruction contract to Trojan Development Co., Inc., contingent upon staff review of all documentation, bonds, and insurance, for the as-bid amount of \$491,112.50.
- 2.) Award the Augusta Drain CWSRF Repairs – Storm System Rehabilitation contract to Pamar Enterprises, Inc., contingent upon staff review of all documentation, bonds, and insurance, for the as-bid amount of \$454,587.94.
- 3.) Award the Augusta Drain CWSRF Repairs – Riparian and Vegetative Buffer Strip Improvements contract to Natural Community Services, LLC, contingent upon staff review of all documentation, bonds, and insurance, for the as-bid amount of \$92,429.50.



November 15, 2024

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

Attn: Mr. Geoff Wilson, P.E. Chief Engineer

Re: Bid Tabulation and Review of Bidding Documents
Augusta Drain Drainage District Improvements CWSRF 5898A

HRC Project No. 20220896

Dear Mr. Wilson:

Three Augusta Drain Drainage Improvements projects including Drop Fall Reconstruction, Storm System Rehab, and Riparian Buffer Strip Improvements projects were advertised for bidding and received bids on November 12, 2024. This letter covers the bid results for these three projects.

≡ Project 1- Drop Fall Structure Reconstruction

A total of three (3) bids for the subject project were received on November 12, 2024, at 09:30 AM at the WRC. The bids were publicly read electronically through a virtual meeting hosted on Microsoft Teams with the acknowledgement of required Bid Bond, Addenda, and other contract documents. All bidders submitted the required contracting documents with the Bid Form. The receiving base-bid ranged between a high of \$957,020.00 to a low bid of \$491,112.50.

The lowest bidder was Trojan Development Co., Inc., out of Oxford, MI. Trojan has a current history with similar projects. HRC has previously worked with Trojan on past underground utilities and vault construction projects. Trojan Development Co., Inc.'s scope of services and experience appears to be suitable for the scope of work on the project.

In our capacity as consulting engineers, it is our opinion that Trojan Development Co., Inc, has met the bidding requirements for this project; and is eligible to be awarded the **contract amount of \$491,112.50 dollars**, subject to receiving the required bonds and insurance.

≡ Project 2- Storm System Rehabilitation

A total of three (3) bids for the subject project were received on November 12, 2024, at 09:00 AM at the WRC. The bids were publicly read electronically through a virtual meeting hosted on Microsoft Teams with the acknowledgement of required Bid Bond, Addenda, and other contract documents. All bidders submitted the required contracting documents with the Bid Form. The receiving base-bid ranged between a high of \$457,564.43 to a low bid of \$454,587.94.

The lowest bidder was Pamar Enterprises, Inc. out of New Haven, MI. Pamar has a current history with cured-in-place pipe and sewer rehabilitation. HRC has previously worked with Pamar on past sewer rehabilitation and maintenance projects. Pamar's scope of services and experience appears to be suitable for the scope of work in the project.

In our capacity as consulting engineers, it is our opinion that Pamar Enterprises, Inc. has met the bidding requirements for this project; and is eligible to be awarded the **contract amount of \$454,587.94 dollars**, subject to receiving the required bonds and insurance.

≡ Project 3- Riparian and Vegetative Buffer Strip Improvements Along Osmun Lake

A total of three (3) bids for the subject project were received on November 12, 2024, at 10:00 AM at the WRC. The bids were publicly read electronically through a virtual meeting hosted on Microsoft Teams with the acknowledgement of required

Bid Bond, Addenda, and other contract documents. All bidders submitted the required contracting documents with the Bid Form. The receiving base-bid ranged between a high of \$300,050.00 to a low bid of \$92,429.50.

The lowest bidder was Natural Community Services (NCS), LLC, out of West Bloomfield, MI. HRC has previously worked with NCS on the past native planting projects. NCS LLC's scope of services and experience appears to be suitable for the scope of work on the project.

In our capacity as consulting engineers, it is our opinion that NCS, LLC has met the bidding requirements for this project; and is eligible to be awarded the **contract amount of \$92,429.50 dollars**, subject to receiving the required bonds and insurance.

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

Very truly yours,

HUBBELL, ROTH & CLARK, INC.



Karyn Stickel, P.E.
Senior Associate



Fatemeh Babakhani, Ph. D., P.E.
Manager

Attachment (3) Bid Tabulation and Contractor Bid Form
pc: HRC; D. Mitchell, File
WRC; File

BID TABULATION
AUGUSTA DRAIN DRAINAGE DISTRICT IMPROVEMENT - DROP FALL STRUCTURE RECONSTRUCTION
CITY OF PONTIAC
OAKLAND COUNTY, MICHIGAN

Bid Opening: Tuesday, November 12, 2024 at 9:30 a.m.
HRC Job # 20220896.22

Trojan Development Co., Inc.
P.O. Box 534
Oxford, MI 48371
Phone: (248) 628-6200

Z Contractors, Inc.
50500 Design Lane
Shelby Township, MI 48315
Phone: (586) 625-8899

Pamar Enterprises, Inc.
31604 Pamar Court
New Haven, MI 48048
Phone: (586) 749-8593

| Item | Quantity | Unit | Unit Price | Total Cost | Unit Price | Total Cost | | |
|--|----------|------|-------------|---------------------|--------------|---------------------|-------------|---------------------|
| 1. Mobilization (Max 5%) | 1.00 | LS | \$23,000.00 | \$23,000.00 | \$35,000.00 | \$35,000.00 | \$42,000.00 | \$42,000.00 |
| DROP FALL STRUCTURE REPLACEMENT (Furnish and Install) | | | | | | | | |
| 2. Structures, Rem ortions | 1.00 | LS | \$13,500.00 | \$13,500.00 | \$376,000.00 | \$376,000.00 | \$44,000.00 | \$44,000.00 |
| 3. Excavtion, Fdn | 135.00 | Cyd | \$50.00 | \$6,750.00 | \$50.00 | \$6,750.00 | \$116.00 | \$15,660.00 |
| 4. Backfill, Structure, CIP | 65.00 | Cyd | \$97.00 | \$6,305.00 | \$50.00 | \$3,250.00 | \$98.00 | \$6,370.00 |
| 5. Steel Sheet Piling, Permanent, Modified | 1,985.00 | Sft | \$145.50 | \$288,817.50 | \$95.00 | \$188,575.00 | \$316.00 | \$627,260.00 |
| 6. Substructure Conc, Modified | 28.00 | Cyd | \$2,590.00 | \$72,520.00 | \$3,500.00 | \$98,000.00 | \$5,500.00 | \$154,000.00 |
| 7. Guardrail | 48.00 | Lft | \$300.00 | \$14,400.00 | \$600.00 | \$28,800.00 | \$245.00 | \$11,760.00 |
| 8. Pressure Injection | 30.00 | Lft | \$149.00 | \$4,470.00 | \$100.00 | \$3,000.00 | \$100.00 | \$3,000.00 |
| 9. Temporary By-Pass Pumping for Drop Fall Structure | 1.00 | LS | \$39,400.00 | \$39,400.00 | \$25,000.00 | \$25,000.00 | \$38,600.00 | \$38,600.00 |
| MISCELLANEOUS (Furnish and Install) | | | | | | | | |
| 10. Erosion Control, Silt Fence (As Needed) | 200.00 | Ft | \$15.00 | \$3,000.00 | \$3.00 | \$600.00 | \$3.00 | \$600.00 |
| 11. Erosion Control, Inlet Protection, Fabric Drop (As Needed) | 5.00 | Ea | \$600.00 | \$3,000.00 | \$150.00 | \$750.00 | \$65.00 | \$325.00 |
| 12. Fence, protective (As Needed) | 100.00 | Lft | \$20.00 | \$2,000.00 | \$5.00 | \$500.00 | \$4.50 | \$450.00 |
| 13. Sediment Trap | 1.00 | LS | \$5,300.00 | \$5,300.00 | \$500.00 | \$500.00 | \$65.00 | \$65.00 |
| 14. Site Restoration (As Needed) | 250.00 | Syd | \$18.50 | \$4,625.00 | \$12.00 | \$3,000.00 | \$45.00 | \$11,250.00 |
| 15. Audio Video Route Survey | 1.00 | LS | \$4,025.00 | \$4,025.00 | \$2,500.00 | \$2,500.00 | \$1,680.00 | \$1,680.00 |
| TOTAL CONTRACT PRICE | | | | \$491,112.50 | | \$772,225.00 | | \$957,020.00 |

ENGINEER: Fatemeh Babakhani, P.E.
Hubbell, Roth & Clark, Inc.
555 Hulet Drive
Bloomfield Hills, MI 48303

BID TABULATION
AUGUSTA DRAIN DRAINAGE DISTRICT IMPROVEMENT - STORM SYSTEM REHABILITATION
CITY OF PONTIAC
OAKLAND COUNTY, MICHIGAN

Bid Opening: Tuesday, November 12, 2024 at 9:00 a.m.
HRC Job # 20220896.22

Pamar Enterprises, Inc.
31604 Pamar Court
New Haven, MI 48048
Phone: (586) 749-8593

Pipeline Management Co., LLC
2673 E Maple Road
Milford, MI 48381
Phone: (248) 685-1500

Insituform Technologies USA, LLC
580 Goddard Avenue
Chesterfield, MI 63005
Phone: (636) 530-8000

| Item | Quantity | Unit | Unit Price | Total Cost | | | | |
|---|-----------|------|-------------|-------------|-------------|-------------|-------------|---------------|
| 1. Mobilization (Max 5%) | 1.00 | LS | \$20,000.00 | \$20,000.00 | \$20,750.00 | \$20,750.00 | \$23,150.11 | \$23,150.11 |
| STORM STRUCUTRE REHAB (Furnish and Install) | | | | | | | | |
| 2. Dr Structure, Rem | 6.00 | Ea | \$950.00 | \$5,700.00 | \$1,200.00 | \$7,200.00 | \$555.57 | \$3,333.42 |
| 3. Dr Structure Cover and Frame, Type C (Catch Bsn) | 5.00 | Ea | \$1,453.00 | \$7,265.00 | \$1,400.00 | \$7,000.00 | \$1,444.49 | \$7,222.45 |
| 4. Dr Structure Cover and Frame, (Manhole), EJJW1045 w/1040 "storm" lid | 1.00 | Ea | \$1,125.00 | \$1,125.00 | \$1,400.00 | \$1,400.00 | \$555.57 | \$555.57 |
| 5. Dr Structure, 48 inch Dia, 2ft sump, Pre- Cast Catchbasin | 5.00 | Ea | \$12,530.00 | \$62,650.00 | \$6,000.00 | \$30,000.00 | \$6,111.31 | \$30,556.55 |
| 6. Dr Structure, 48 inch Dia , Pre- Cast Manhole | 1.00 | Ea | \$12,530.00 | \$12,530.00 | \$8,750.00 | \$8,750.00 | \$8,333.61 | \$8,333.61 |
| STORM PIPE REHAB (Furnish and Install) | | | | | | | | |
| 7. Clean and Televis, w/PACP Reporting, 12-15 inch | 579.20 | Lft | \$8.00 | \$4,633.60 | \$10.00 | \$5,792.00 | \$36.76 | \$21,291.39 |
| 8. Clean and Televis, w/PACP Reporting, 24 inch | 41.00 | Lft | \$8.00 | \$328.00 | \$40.00 | \$1,640.00 | \$39.19 | \$1,606.79 |
| 9. Clean and Televis, w/PACP Reporting, 36 inch | 446.00 | Lft | \$8.00 | \$3,568.00 | \$30.00 | \$13,380.00 | \$16.21 | \$7,229.66 |
| 10. Clean and Televis, w/PACP Reporting, 42 inch | 360.60 | Lft | \$8.00 | \$2,884.80 | \$50.00 | \$18,030.00 | \$18.42 | \$6,642.25 |
| 11. Sewer Lining, CIPP, 12-Inch Storm | 241.10 | Lft | \$260.00 | \$62,686.00 | \$354.00 | \$85,349.40 | \$221.72 | \$53,456.69 |
| 12. Sewer Lining, CIPP, 15-Inch Storm | 113.00 | Lft | \$280.00 | \$31,640.00 | \$254.00 | \$28,702.00 | \$123.00 | \$13,899.00 |
| 13. Internal Sewer Spot Liner, CIPP, 12 inch | 16.00 | Lft | \$1,350.00 | \$21,600.00 | \$1,250.00 | \$20,000.00 | \$1,388.00 | \$22,208.00 * |
| 14. Internal Sewer Spot Liner, CIPP, 24 inch | 8.00 | Lft | \$2,100.00 | \$16,800.00 | \$2,000.00 | \$16,000.00 | \$2,222.30 | \$17,778.40 |
| 15. Internal Sewer Spot Liner, CIPP, 36 inch | 8.00 | Lft | \$2,500.00 | \$20,000.00 | \$2,500.00 | \$20,000.00 | \$2,777.87 | \$22,222.96 |
| 16. Internal Sewer Spot Liner, CIPP, 42 inch | 16.00 | Lft | \$3,500.00 | \$56,000.00 | \$3,500.00 | \$56,000.00 | \$3,889.02 | \$62,224.32 |
| 17. Sewer, Rem, Less than 24 inch | 62.90 | Lft | \$32.00 | \$2,012.80 | \$90.00 | \$5,661.00 | \$111.11 | \$6,988.82 |
| 18. Sewer, CI E, 12 inch, Tr Det B | 46.90 | Lft | \$359.00 | \$16,837.10 | \$550.00 | \$25,795.00 | \$888.92 | \$41,690.35 |
| 19. Sewer, CI E, 15 inch, Tr Det A | 16.00 | Lft | \$376.00 | \$6,016.00 | \$135.00 | \$2,160.00 | \$1,166.71 | \$18,667.36 |
| 20. Dr Structure, Tap, 12 inch | 5.00 | Ea | \$2,450.00 | \$12,250.00 | \$1,200.00 | \$6,000.00 | \$888.92 | \$4,444.60 |
| 21. Dr Structure, Tap, 15 inch | 1.00 | Ea | \$2,560.00 | \$2,560.00 | \$1,450.00 | \$1,450.00 | \$888.92 | \$888.92 |
| PAVEMENT REPAIR (Furnish and Install) | | | | | | | | |
| 22. Pavt, Rem | 76.88 | Syd | \$55.00 | \$4,228.40 | \$60.00 | \$4,612.80 | \$20.00 | \$1,537.60 |
| 23. Curb and Gutter, Rem | 80.00 | Ft | \$44.00 | \$3,520.00 | \$60.00 | \$4,800.00 | \$33.33 | \$2,666.40 |
| 24. Sidewalk, Rem | 8.67 | Syd | \$34.00 | \$294.78 | \$60.00 | \$520.20 | \$16.67 | \$144.53 |
| 25. Aggregate Base, 6 inch, Modified (As Needed) | 76.88 | Syd | \$77.00 | \$5,919.76 | \$60.00 | \$4,612.80 | \$30.00 | \$2,306.40 |
| 26. 1.5" Thick Bituminous Mixture NO. 4C | 6.34 | Ton | \$500.00 | \$3,170.00 | \$500.00 | \$3,170.00 | \$911.34 | \$5,777.90 |
| 27. 2.5" Thick Bituminous Mixture NO.3C | 10.57 | Ton | \$500.00 | \$5,285.00 | \$500.00 | \$5,285.00 | \$862.01 | \$9,111.45 |
| 28. Curb and Gutter, Conc, Match Existing | 80.00 | Lft | \$40.00 | \$3,200.00 | \$100.00 | \$8,000.00 | \$50.00 | \$4,000.00 |
| 29. Sidewalk, Conc, 4 inch | 8.67 | Syd | \$110.00 | \$953.70 | \$300.00 | \$2,601.00 | \$119.95 | \$1,039.97 |
| MISCELLANEOUS (Furnish and Install) | | | | | | | | |
| 63. Erosion Control, Silt Fence (As Needed) | 200.00 | Ft | \$3.00 | \$600.00 | \$1.00 | \$200.00 | \$5.56 | \$1,112.00 |
| 64. Erosion Control, Inlet Protection, Fabric Drop (As Needed) | 10.00 | Ea | \$65.00 | \$650.00 | \$1.00 | \$10.00 | \$333.34 | \$3,333.40 |
| 65. Fence, Protective (As Needed) | 100.00 | Lft | \$4.50 | \$450.00 | \$1.00 | \$100.00 | \$5.56 | \$556.00 |
| 66. Site Restoration (As Needed) | 10.00 | Syd | \$55.00 | \$550.00 | \$1.00 | \$10.00 | \$133.34 | \$1,333.40 |
| 67. Audio Video Route Survey | 1.00 | LS | \$1,680.00 | \$1,680.00 | \$10,000.00 | \$10,000.00 | \$7,778.04 | \$7,778.04 |
| 68. Traffic Control | 1.00 | LS | \$35,000.00 | \$35,000.00 | \$12,500.00 | \$12,500.00 | \$22,476.13 | \$22,476.13 |
| 69. Permit Allowance (10% of construction within the ROW) | 20,000.00 | Dlr | \$1.00 | \$20,000.00 | \$1.00 | \$20,000.00 | \$1.00 | \$20,000.00 |

TOTAL CONTRACT PRICE

\$454,587.94

\$457,481.20 *

\$457,564.43

ENGINEER: Fatemeh Babakhani, P.E.
Hubbell, Roth & Clark, Inc.
555 Hulet Drive
Bloomfield Hills, MI 48303

Their bid total \$439,231.20
Difference of \$18,250

BID TABULATION
AUGUSTA DRAIN DRAINAGE DISTRICT IMPROVEMENT
RIPARIAN AND VEGETATIVE BUFFER STRIP IMPROVEMENTS ALONG OSMUN LAKE
CITY OF PONTIAC
OAKLAND COUNTY, MICHIGAN

Bid Opening: Tuesday, November 12, 2024 at 10:00 a.m.
HRC Job # 20220896.22

Natural Community Services, LLC
6410 Upper Straits Blve.
West Bloomfield, MI 48324
Phone: (248) 628-6200

Decima LLC
16870 Schaefer Hwy.
Detroit, MI 48235
Phone: (260)243-0591

Wildlife and Wetlands Solutions, LLC
5211 US 131
South Boardman, MI 49680
Phone: (231-570-4215)

| Item | Quantity | Unit | Unit Price | Total Cost | Unit Price | Total Cost | | |
|--|----------|------|-------------|----------------------|-------------|-----------------------|-------------|-----------------------|
| 1. Mobilization (Max 5%) | 1.00 | LS | \$9,000.00 | \$9,000.00 | \$9,100.00 | \$9,100.00 | \$15,000.00 | \$15,000.00 |
| TREED AND VEGATION REMOVAL | | | | | | | | |
| 2. Large Tree Removal (No Stump Grinding) | 1.00 | Ea | \$5,000.00 | \$5,000.00 | \$6,500.00 | \$6,500.00 | \$5,000.00 | \$5,000.00 |
| 3. Understory Tree Removal (No Stump Grinding) | 20.00 | Ea | \$500.00 | \$10,000.00 | \$650.00 | \$13,000.00 | \$1,500.00 | \$30,000.00 |
| 4. Log and Debris Removal (On Ground) | 1.00 | LS | \$8,900.00 | \$8,900.00 | \$11,570.00 | \$11,570.00 | \$30,000.00 | \$30,000.00 |
| 5. Herbicide Treatment of Invasive Species | 1.00 | LS | \$2,500.00 | \$2,500.00 | \$3,250.00 | \$3,250.00 | \$40,000.00 | \$40,000.00 |
| PLANTINGS | | | | | | | | |
| 6. Cornus alternifolia (Pagoda Dogwood) 1.5" CAL B&B | 12.00 | Ea | \$445.00 | \$5,340.00 | \$578.50 | \$6,942.00 | \$1,129.00 | \$13,548.00 |
| 7. Cercis canadensis (Redbud) 1.5" CAL B&B | 12.00 | Ea | \$445.00 | \$5,340.00 | \$578.50 | \$6,942.00 | \$1,129.00 | \$13,548.00 |
| 8. Cornus florida (Flowering Dogwood) 1.5" CAL B&B | 13.00 | Ea | \$445.00 | \$5,785.00 | \$578.50 | \$7,520.50 | \$1,129.00 | \$14,677.00 |
| 9. Asimina triloba (Paw-Paw) 1.5" CAL B&B | 13.00 | Ea | \$445.00 | \$5,785.00 | \$578.50 | \$7,520.50 | \$1,129.00 | \$14,677.00 |
| 10. Aronia arbutifolia (Red Chokeberry) 3' Ht. | 18.00 | Ea | \$43.00 | \$774.00 | \$55.90 | \$1,006.20 | \$475.00 | \$8,550.00 |
| 11. Cephalanthus occidentalis (Buttonbush) 3' Ht. | 18.00 | Ea | \$43.00 | \$774.00 | \$55.90 | \$1,006.20 | \$475.00 | \$8,550.00 |
| 12. Ceanothus americanus (New Jersey Tea) 3' Ht. | 18.00 | Ea | \$43.00 | \$774.00 | \$55.90 | \$1,006.20 | \$475.00 | \$8,550.00 |
| 13. Ilex verticillata (Michigan Holly) 3' Ht. | 18.00 | Ea | \$43.00 | \$774.00 | \$55.90 | \$1,006.20 | \$475.00 | \$8,550.00 |
| 14. Hamamelis virginiana (Common Withchazel) 3' Ht. | 18.00 | Ea | \$43.00 | \$774.00 | \$55.90 | \$1,006.20 | \$475.00 | \$8,550.00 |
| 15. Physocarpus opulifolius (Common Ninebark) 3' Ht. | 18.00 | Ea | \$43.00 | \$774.00 | \$55.90 | \$1,006.20 | \$475.00 | \$8,550.00 |
| 16. Potentilla fruticosa (Shrubby Cinquefoil) 3' Ht. | 18.00 | Ea | \$43.00 | \$774.00 | \$55.90 | \$1,006.20 | \$475.00 | \$8,550.00 |
| 17. Viburnum dentatum (Arrowwood Viburnum) 3' Ht. | 18.00 | Ea | \$43.00 | \$774.00 | \$55.90 | \$1,006.20 | \$475.00 | \$8,550.00 |
| 18. Phlox divaricate (Woodland Phlox) Qt. Pot | 40.00 | Ea | \$15.00 | \$600.00 | \$19.50 | \$780.00 | \$65.00 | \$2,600.00 |
| 19. Acaes rubrs (White Baneberry) Qt. Pot | 40.00 | Ea | \$15.00 | \$600.00 | \$19.50 | \$780.00 | \$65.00 | \$2,600.00 |
| 20. Anemone canadensis (Canada Anemone) Qt. Pot | 40.00 | Ea | \$15.00 | \$600.00 | \$19.50 | \$780.00 | \$65.00 | \$2,600.00 |
| 21. Asclepias tuberosa (Butterfly Weed) Qt. Pot | 40.00 | Ea | \$15.00 | \$600.00 | \$19.50 | \$780.00 | \$65.00 | \$2,600.00 |
| 22. Caulophyllum thalictroides (Blue Cohosh) Qt. Pot | 40.00 | Ea | \$15.00 | \$600.00 | \$19.50 | \$780.00 | \$65.00 | \$2,600.00 |
| 23. Geranium maculatum (Wild Gernium) Qt. Pot | 40.00 | Ea | \$15.00 | \$600.00 | \$19.50 | \$780.00 | \$65.00 | \$2,600.00 |
| 24. Solidaago flexicaulis (Broad-Leaved Goldenrod) Qt. Pot | 40.00 | Ea | \$15.00 | \$600.00 | \$19.50 | \$780.00 | \$65.00 | \$2,600.00 |
| 25. Fine grading | 1.00 | AC | \$9,500.00 | \$9,500.00 | \$12,350.00 | \$12,350.00 | \$10,000.00 | \$10,000.00 |
| 26. Native Woodland Seeding | 0.50 | AC | \$18,775.00 | \$9,387.50 * | \$24,407.50 | \$12,203.75 * | \$30,000.00 | \$15,000.00 |
| MISCELLANEOUS (Furnish and Install) | | | | | | | | |
| 27. Erosion Control, Silt Fence (As Needed) | 200.00 | Ft | \$5.00 | \$1,000.00 | \$6.50 | \$1,300.00 | \$8.00 | \$1,600.00 |
| 28. Erosion Control, Inlet Protection, Fabric Drop (As Needed) | 5.00 | Ea | \$500.00 | \$2,500.00 * | \$650.00 | \$3,250.00 | \$200.00 | \$1,000.00 |
| 29. Fence, Protective (As Needed) | 100.00 | Lft | \$5.00 | \$500.00 * | \$6.50 | \$650.00 | \$10.00 | \$1,000.00 |
| 30. Site Restoration (As Needed) | 150.00 | Syd | \$10.00 | \$1,500.00 * | \$13.00 | \$1,950.00 | \$56.00 | \$8,400.00 * |
| TOTAL CONTRACT PRICE | | | | \$92,429.50 * | | \$117,558.35 * | | \$300,050.00 * |

ENGINEER: Fatemeh Babakhani, P.E.
Hubbell, Roth & Clark, Inc.
555 Hulet Drive
Bloomfield Hills, MI 48303

Total Submitted \$99,817.00

Total Submitted \$129,762.10

Total Submitted \$300,000

CHANGE ORDER NO.1

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

Authorization for Extras To & Changes In Contract

| | | | |
|------------------|-----------|--------------------|--------|
| Department No. : | 6010101 | Account No. : | 730373 |
| Fund No. : | FND82495 | Program No. : | 149015 |
| Project No. : | PRJ-17215 | Project Activity : | STD |

| | |
|--------------------------------------|-----------------------------|
| Contractor : T.R. Pieprzak Co., Inc. | Contract No. : |
| 6267 St. Clair Highway | Date of Contract : 7/1/2024 |
| China Twp, MI 48504 | Completion Date : 6/30/2025 |

| Auth No. | Description-Location-Reason | Unit Used | Est. Qty. | Unit Price | Amount Increase | Amount Decrease |
|----------|--|-----------|-----------|------------|-----------------|-----------------|
| A | DESCRIPTION (Quantity Increase): 4. Tree, Rem, 6 inch to 18 inch LOCATION: Sta. 10+64 (between Johnson and Florence) and Sta. 19+57 (between Florence and Sanderson) - both located near the drain wall. REASON: Balancing entry: Final measured in-place tree removal quantity (trees 6 inch to 18 inch in diameter) of 18 Ea. Plan quantity was 16 Ea. This entry is to reconcile the final contract amount with the extra quantity of 2 Ea. | Ea | 2 | \$ 600.00 | \$ 1,200.00 | --- |

CHANGE ORDER

| Auth No. | Description-Location-Reason | Unit Used | Est. Qty. | Unit Price | Amount Increase | Amount Decrease |
|----------|---|-----------|-----------|-------------|-----------------|-----------------|
| B | DESCRIPTION (Quantity Increase): 5. Tree, Rem, 19 inch to 36 inch LOCATION: Sta. 12+00 (2 Ea), 14+10 (2 Ea), and 19+50 (2 Ea) - all located between the existing top of bank and the drain wall. REASON: Balancing entry: Final measured in-place tree removal quantity (trees 19 inch to 36 inch in diameter) of 18 Ea. Plan quantity was 12 Ea. This entry is to reconcile the Plan quantity was 12 Ea. This entry is to reconcile the final contract amount with the extra quantity of 6 Ea. | Ea | 6.00 | \$ 1,300.00 | \$ 7,800.00 | --- |
| C | DESCRIPTION (Quantity Increase): 7. Spillway, Rem LOCATION: ~Sta. 20+05 (per stationing given on Sheet C3-01), adjacent to the drain wall. REASON: Existence wasn't known - spillway was obstructed by overgrowth, debris, trash, and tree/brush cluster. | Ea | 1.0 | \$ 840.00 | \$ 840.00 | --- |

CHANGE ORDER

| Auth No. | Description-Location-Reason | Unit Used | Est. Qty. | Unit Price | Amount Increase | Amount Decrease |
|----------|--|-----------|-----------|------------|-----------------|-----------------|
| D | DESCRIPTION (Quantity Decrease): 9. Structures, Rem Portions (Foundation Walls) LOCATION: N/A REASON: Balancy entry. 160 cyds was the final quantity for the project. | Cyd | -340 | \$ 23.60 | --- | \$ 8,024.00 |
| E | DESCRIPTION (Quantity Increase): 12. Erosion Control, Silt Fence LOCATION: Existing drainage structures #8333 and #5364 (outside of pavement at Florence St.). REASON: (2) existing drainage structures (Ex. Stm. CB #8333 and Ex. Stm. CB #5384 - see Sheet C2-01 of the project plans), were surrounded with silt fence in lieu of inlet filters. The contractor proposed that the silt fence would be a better control inlet filters (better visual for machinery to avoid the measure than the fabric drop structures, keeps sediment and earth further away from structures). | Ft | 23 | \$ 2.30 | \$ 52.90 | --- |

| Auth No. | Description-Location-Reason | Unit Used | Est. Qty. | Unit Price | Amount Increase | Amount Decrease |
|----------|--|-----------|-----------|-------------|-----------------|-----------------|
| F | DESCRIPTION (Quantity Decrease): 13. Erosion Control, Inlet Protection, Fabric Drop LOCATION: Existing drainage structures #8333 and #5364 (outside of pavement at Florence St.). REASON: Balancing entry: (2) existing drainage structures (Ex. Stm. CB #8333 and Ex. Stm. CB #5384 - see Sheet C2-01 of the project plans), were surrounded with silt fence in lieu of inlet filters. The contractor proposed that the silt fence would be an improvement over the fabric drop inlet filters (better visual for machinery to avoid the structures, keeps sediment and earth further away from structures). | Ea | -2 | \$ 143.00 | --- | \$ 286.00 |
| G | DESCRIPTION (Quantity Decrease): 14. Erosion Control, Gravel Access LOCATION: N/A REASON: Balancing entry. Contractor ordered their operations in such a way that machinery and haul trucks were not tracking mud/sediment off-site. Haul trucks remained within the limits of Norton St, and machinery remained outside the limits of Norton St. | Ea | -1 | \$ 2,730.00 | --- | \$ 2,730.00 |

CHANGE ORDER

| Auth No. | Description-Location-Reason | Unit Used | Est. Qty. | Unit Price | Amount Increase | Amount Decrease |
|----------|--|-----------|-----------|------------|-----------------|-----------------|
| H | DESCRIPTION (Quantity Decrease): 18. Sewer End Sect, HDPE, 12 inch LOCATION: N/A REASON: Balancing entry. The scope of work was revised to include a "Spillway, Conc - Ea" item for work between an OCS outlet pipe and the drain wall. This end section item is no longer needed. | Ea | -2 | \$ 407.00 | --- | \$ 814.00 |
| I | DESCRIPTION (Quantity Decrease): 24. Riprap, Plain LOCATION: N/A REASON: Balancing entry. The scope of work was revised to include a "Spillway, Conc - Ea" item for work between an OCS outlet pipe and the drain wall. This riprap item is no longer needed. | Syd | -22 | \$ 140.00 | --- | \$ 3,080.00 |

CHANGE ORDER

| Auth No. | Description-Location-Reason | Unit Used | Est. Qty. | Unit Price | Amount Increase | Amount Decrease |
|----------|---|-----------|-----------|-------------|-----------------|-----------------|
| J | DESCRIPTION (Change Delete): 41. Clearing and Grubbing LOCATION: Various locations within the project REASON: Balancing entry: Final measured in-place clearing and grubbing quantity of 200 Cyd. This entry is to reconcile the final contract amount with the surplus quantity of 101 Cyd (plan quantity of 301 Cyd). | Cyd | -101 | \$ 14.10 | --- | \$ 1,424.10 |
| K | DESCRIPTION (Quantity Decrease): 46. Concrete Foundation, End Section LOCATION: N/A REASON: Balancing entry. The scope of work was revised to include a "Spillway, Conc - Ea" item for work between an OCS outlet pipe and the drain wall. This end section foundation item is no longer needed. | Ea | -2 | \$ 4,000.00 | --- | \$ 8,000.00 |

CHANGE ORDER

| Auth No. | Description-Location-Reason | Unit Used | Est. Qty. | Unit Price | Amount Increase | Amount Decrease |
|----------|--|-----------|-----------|-------------|-----------------|-----------------|
| L | DESCRIPTION (Add Item): 48. Spillway, Conc LOCATION: ~Sta.10+84, between the outlet end of the OCS 1A outlet pipe and the drain wall; and ~sta.21+78, between the outlet end of the OCS 1B outlet pipe and the drain wall. REASON: Scope of work revised to provide for a fully concrete spillway from the outlet control structures to the drain wall at the locations listed above. | Ea | 2 | \$ 5,947.00 | \$ 11,894.00 | --- |

CHANGE ORDER

| Auth No. | Description-Location-Reason | Unit Used | Est. Qty. | Unit Price | Amount Increase | Amount Decrease |
|----------|---|-----------|-----------|------------|-----------------|-----------------|
| | DESCRIPTION (Quantity Increase and Additional Items): | | | | | |
| M-1 | 6. Curb and Gutter, Rem | Ft | 44 | \$ 35.00 | \$ 1,540.00 | --- |
| M-2 | 49. Sidewalk, Rem | Syd | 133 | \$ 15.00 | \$ 1,995.00 | --- |
| M-3 | 50. Aggregate Base, 6 inch, Modified | Syd | 12 | \$ 75.00 | \$ 900.00 | --- |
| M-4 | 51. Sidewalk, Conc, 4 inch, Modified | Sft | 1118 | \$ 13.00 | \$ 14,534.00 | --- |
| M-5 | 52. Curb Ramp, Conc, 6 inch, Modified | Sft | 97 | \$ 20.00 | \$ 1,940.00 | --- |
| M-6 | 53. Detectable Warning Surface | Ft | 15 | \$ 100.00 | \$ 1,500.00 | --- |
| M-7 | 54. Curb Ramp Opening | Ft | 44 | \$ 75.00 | \$ 3,300.00 | --- |
| | LOCATION: Existing sidewalk along the east side of N Johnson St, between Norton St and Augusta Drain; and the existing sidewalk along the west side of Sanderson Ave, between Norton St and Augusta Drain. | | | | | |
| | REASON: Improvements to the sidewalk bordering the project site - removal of uneven surfaces and trip hazards; re-positioning of sidewalk surface to direct stormwater inland and away from streets; updates to grades and construction to make sidewalk ADA compliant. | | | | | |

CHANGE ORDER

| Auth No. | Description-Location-Reason | Unit Used | Est. Qty. | Unit Price | Amount Increase | Amount Decrease |
|----------|---|-----------|-----------|--------------|-----------------|-----------------|
| N | DESCRIPTION (Add Item): 55. Drain Cleaning LOCATION: Where Augusta drain transitions from open to enclosed (NE corner of Norton St and Sanderson Ave). REASON: There is an existing bar screen at this location of the Augusta Drain (where it transitions from open to enclosed), where a substantial amount of trash and debris has accumulated, and needs to be removed, both for blight and function. | Lsum | 1 | \$ 18,836.00 | \$ 18,836.00 | --- |
| | | | | Totals | \$ 66,331.90 | \$ 24,358.10 |
| | | | | Net Increase | \$ 41,973.80 | --- |

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

CHANGE ORDER NO.1

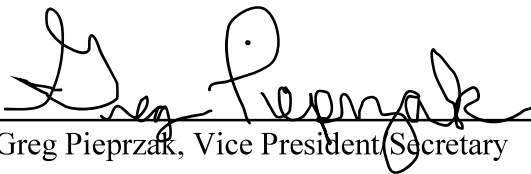
Jim Nash, Oakland County Water Resources Commissioner
Augusta Drain Drainage District
For Construction of the Augusta Drain Norton Street Innovation Project
City of Pontiac
Oakland County, Michigan


Prepared by:  Date: 11/12/2024
Jen Cook, P.E. (WRC)

Recommended by: **John V. Balint** Digitally signed by John V. Balint
DN: C=US, E=jbalint@hrcengr.com, O="Hubbell, Roth and
Clark, Inc.", CN=John V. Balint
Date: 2024.11.13 08:27:03-05'00' Date: 11/13/2024
John Balint, P.E., Consulting Engineer (HRC)

Approved by:  Date: 11/21/2024
Joel Brown, P.E., Chief Engineer (WRC)

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

Accepted by:  Date: 11-19-2024
Greg Pieprzak, Vice President/Secretary
T.R. Pieprzak Co., Inc.

Approved by:  Date: Nov. 22, 2024
Steven Korth, P.E., Chief Manager (WRC)

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

This Change Order was approved by the Drainage Board on: _____ Date: _____




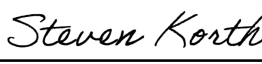
**Jim Nash, Oakland County Water Resources Commissioner
Augusta Drain Drainage District
For Construction of the Augusta Drain Norton Street Innovation Project
City of Pontiac
Oakland County, Michigan**

| | | | |
|----------------------------|-------------------------|---------------------------|-------------|
| Construction Estimate No.: | 4 ✓ | 10/1/2024 thru 10/31/2024 | ✓ |
| Department No.: | 6010101 | Account No.: | 730373 |
| Fund No.: | FND82495 | Program No.: | 149015 |
| Project No.: | PRJ-17215 | Activity: | STD |
| | | Vendor No.: | 41244 |
| | | Purchase No.: | PO00065969 |
| Contractor: | T.R. Pieprzak Co., Inc. | Contract No.: | CON00011041 |
| | 6267 St. Clair Highway | Date of Contract: | 7/1/2024 |
| | China Twp., MI 48054 | Completion Date: | 6/30/2025 |

| | | |
|---------------------------------------|----|------------|
| Original Contract Amount: | \$ | 852,612.88 |
| Previous Change Order Numbers (none): | \$ | - |
| Change Orders This Estimate (none): | \$ | - |
| Total Net Change Orders: | \$ | - |
| Adjusted Contract Amount: | \$ | 852,612.88 |

| | | |
|--|--------------|----------------------------------|
| Subtotal To Date: (Sheet 4 of 4, Column 8) | \$ | 579,814.66 |
| Less Deductions To Date (Sheet 4 of 4, Column 8) | \$ | - |
| Gross Estimate: (Work in Place) 68% | \$ | 579,814.66 |
| Less Amount Reserved: (5% of Adjusted Contract Amount) | \$ | 42,630.64 |
| Total Amount Allowed To Date: | \$ | 537,184.02 |
| Less Previous Estimates: | \$ | 429,535.38 ✓ |
| Net Payment Request To Be Paid To Contractor: | \$ | 107,648.64 |
| Reserve Payment to Contractor: | \$ | - |
| Balance of Contract To Date: ✓ | \$272,798.22 | Accounting Auditor: HDG 11/15/24 |

| | | |
|-------------------------------------|----|-------------|
| Less Previous Transfers To Reserve: | \$ | 42,630.64 ✓ |
| Amount of Current Transfer: | \$ | - |

| | |
|---|---------------------|
| Prepared By:  | Date: 11/19/2024 |
| Jen Cook, P.E. - Project Engineer (WRC) | |
| Recommended By:  | Date: 11/19/2024 |
| John V. Balint, P.E. - Consulting Engineer (HRC) | |
| Approved By:  | Date: 11/21/2024 |
| Joel Brown, P.E. - Chief Engineer (WRC) | |
| Approved By:  | Date: Nov. 22, 2024 |
| Steven Korth, P.E. - Chief Manager (WRC) | |

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

Approved by Board on: _____

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

| Construction Estimate No. 04 | | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
|------------------------------|--|--------------|------|---------------|-----------------------|-------------------------|------------------------|----------------------|---------------------------|
| | Contract Item | Bid Quantity | Unit | Unit Price | Quantity This Payment | Total Quantity Previous | Total Quantity To Date | Total Amount To Date | Total Amount This Payment |
| 1 | Permit Allowance | 5,000 | Dlr | \$ 1.00 | 0 | 0 | 0 | \$ - | \$ - |
| 2 | Mobilization (Max 5%) | 1 | Lsum | \$ 55,000.00 | 0 | 1 | 1 | \$ 55,000.00 | \$ - |
| 3 | Tree, Rem, Less than 6 inch | 3 | Ea | \$ 250.00 | 0 | 3 | 3 | \$ 750.00 | \$ - |
| 4 | Tree, Rem, 6 inch to 18 inch | 16 | Ea | \$ 600.00 | 0 | 18 | 18 | \$ 10,800.00 | \$ - |
| 5 | Tree, Rem, 19 inch to 36 inch | 12 | Ea | \$ 1,300.00 | 0 | 18 | 18 | \$ 23,400.00 | \$ - |
| 6 | Curb and Gutter, Rem | 80 | Ft | \$ 35.00 | 0 | 0 | 0 | \$ - | \$ - |
| 7 | Spillway, Rem | 1 | Ea | \$ 840.00 | 0 | 2 | 2 | \$ 1,680.00 | \$ - |
| 8 | Retaining Wall, Rem | 1 | Lsum | \$ 1,400.00 | 0 | 1 | 1 | \$ 1,400.00 | \$ - |
| 9 | Structures, Rem Portions (Foundation Walls) | 500 | Cyd | \$ 23.60 | 0 | 160 | 160 | \$ 3,776.00 | \$ - |
| 10 | Site Grading | 1.89 | Ac | \$ 102,436.00 | 0.00 | 1.89 | 1.89 | \$ 193,604.04 | \$ - |
| 11 | Excavation, Earth | 150 | Cyd | \$ 37.50 | 0 | 150 | 150 | \$ 5,625.00 | \$ - |
| 12 | Erosion Control, Silt Fence | 1,252 | Ft | \$ 2.30 | 0 | 1,275 | 1,275 | \$ 2,932.50 | \$ - |
| 13 | Erosion Control, Inlet Protection, Fabric Drop | 15 | Ea | \$ 143.00 | 0 | 11 | 11 | \$ 1,573.00 | \$ - |
| 14 | Erosion Control, Gravel Access, Approach | 1 | Ea | \$ 2,730.00 | 0 | 0 | 0 | \$ - | \$ - |
| 15 | Aggregate Base, 6 inch (Path) | 1,380 | Syd | \$ 26.30 | 0 | 690 | 690 | \$ 18,147.00 | \$ - |
| 16 | Aggregate Surface Cse, 4 inch | 1,105 | Syd | \$ 20.00 | 0 | 0 | 0 | \$ - | \$ - |
| 17 | Sewer, Cl A, 12 inch, Tr Det A | 137 | Ft | \$ 81.00 | 0 | 137 | 137 | \$ 11,097.00 | \$ - |
| 18 | Sewer End Sect, HDPE, 12 inch | 2 | Ea | \$ 407.00 | 0 | 0 | 0 | \$ - | \$ - |
| 19 | Trench Undercut and Backfill (As Needed) | 5 | Cyd | \$ 95.00 | 0 | 0 | 0 | \$ - | \$ - |
| 20 | Outlet Control Structure, HDPE, 24 inch dia. | 2 | Ea | \$ 4,150.00 | 0 | 2 | 2 | \$ 8,300.00 | \$ - |
| 21 | Curb Cut Inlet | 8 | Ea | \$ 980.00 | 0 | 0 | 0 | \$ - | \$ - |
| 22 | Fence, Protective (As Needed) | 100 | Ft | \$ 7.00 | 0 | 0 | 0 | \$ - | \$ - |
| 23 | Minor Traffic Devices and Traf Regulator Control | 1 | Lsum | \$ 10,830.00 | 0.50 | 0 | 0.50 | \$ 5,415.00 | \$ 5,415.00 |
| 24 | Riprap, Plain | 22 | Syd | \$ 140.00 | 0 | 0 | 0 | \$ - | \$ - |
| 25 | One-Year Vegetation Maintenance and Guarantee | 1 | Lsum | \$ 88,938.00 | 0 | 0 | 0 | \$ - | \$ - |
| 26 | Respreding of Existing Soils, 4 inch | 731 | Cyd | \$ 23.00 | 0 | 731 | 731 | \$ 16,813.00 | \$ - |
| 27 | Compost for Amended In-Place Soils | 206 | Cyd | \$ 48.00 | 165 | 0 | 165 | \$ 7,920.00 | \$ 7,920.00 |
| 28 | Shrubs, Deciduous | 259 | Ea | \$ 94.00 | 182 | 0 | 182 | \$ 17,108.00 | \$ 17,108.00 |

JIM NASH

OAKLAND COUNTY WATER RESOURCES COMMISSIONER

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

| Construction Estimate No. 04 | | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
|------------------------------|--|--------------|------|-------------|-----------------------|-------------------------|------------------------|----------------------|---------------------------|
| | Contract Item | Bid Quantity | Unit | Unit Price | Quantity This Payment | Total Quantity Previous | Total Quantity To Date | Total Amount To Date | Total Amount This Payment |
| 29 | Trees, 2.5 inch caliper, Deciduous Canopy | 29 | Ea | \$ 552.00 | 1 | 0 | 1 | \$ 552.00 | \$ 552.00 |
| 30 | Trees, 2 inch caliper, Ornamental | 16 | Ea | \$ 404.00 | 3 | 0 | 3 | \$ 1,212.00 | \$ 1,212.00 |
| 31 | Perennial Mix (Quart), 18 inches o.c. | 2,111 | Ea | \$ 4.88 | 1,559 | 0 | 1,559 | \$ 7,607.92 | \$ 7,607.92 |
| 32 | Ledge Rock | 29.5 | Ton | \$ 800.00 | 29.5 | 0 | 29.5 | \$ 23,600.00 | \$ 23,600.00 |
| 33 | Cobbles, 12 inch to 18 inch (Gravel Bands) | 66 | Ton | \$ 400.00 | 36.99 | 0 | 36.99 | \$ 14,796.00 | \$ 14,796.00 |
| 34 | Washed Stone, 5 inch (Gravel Bands) | 36 | Ton | \$ 350.00 | 36.95 | 0 | 36.95 | \$ 12,932.50 | \$ 12,932.50 |
| 35 | Flagstone (Creek Bed) | 5,105 | Sft | \$ 17.72 | 757 | 3,904 | 4,661 | \$ 82,592.92 | \$ 13,414.04 |
| 36 | Weed Barrier Control | 2,052 | Syd | \$ 1.50 | 218 | 434 | 652 | \$ 978.00 | \$ 327.00 |
| 37 | Seeded Turf Lawn | 3,508 | Syd | \$ 2.40 | 0 | 0 | 0 | \$ - | \$ - |
| 38 | Sedge and Grass Seed Mix | 1,808 | Syd | \$ 8.67 | 214 | 0 | 214 | \$ 1,855.38 | \$ 1,855.38 |
| 39 | Stormwater Native Seed Mix | 2,135 | Syd | \$ 9.30 | 0 | 0 | 0 | \$ - | \$ - |
| 40 | Prairie Seed Mix | 5,687 | Syd | \$ 1.60 | 568 | 0 | 568 | \$ 908.80 | \$ 908.80 |
| 41 | Clearing and Grubbing | 301 | Cyd | \$ 14.10 | 0 | 200 | 200 | \$ 2,820.00 | \$ - |
| 42 | Sewer, 4-inch HDPE | 42 | Ft | \$ 39.07 | 0 | 42 | 42 | \$ 1,640.94 | \$ - |
| 43 | Sewer, 4-inch HDPE Perforated with Sock (Backfill w/ 2NS Sand) | 849 | Ft | \$ 41.34 | 0 | 849 | 849 | \$ 35,097.66 | \$ - |
| 44 | Cleanout, 4-inch HDPE | 4 | Ea | \$ 545.00 | 0 | 4 | 4 | \$ 2,180.00 | \$ - |
| 45 | Imported Soil (As Needed) | 150 | Cyd | \$ 38.00 | 0 | 150 | 150 | \$ 5,700.00 | \$ - |
| 46 | Concrete Foundation, End Section | 2 | Ea | \$ 4,000.00 | 0 | 0 | 0 | \$ - | \$ - |
| 47 | Seal Wall at Overflow (Painted-On Concrete Sealer) | 2 | Ea | \$ 1,250.00 | 0 | 0 | 0 | \$ - | \$ - |

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

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

| Construction Estimate No. 04 | | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
|------------------------------|---------------|-----------------|------|------------|-----------------------------|-------------------------------|------------------------------|-------------------------|------------------------------|
| | Contract Item | Bid Quantity | Unit | Unit Price | Quantity This Payment | Total Quantity Previous | Total Quantity To Date | Total Amount To Date | Total Amount This Payment |

Change Orders:

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Stored Materials:

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Deductions:

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Total Amount To-Date: \$ 579,814.66
Total Amount This Estimate: \$ 107,648.64

Change Orders To-Date: \$ -
Change Orders This Estimate: \$ -

Stored Materials To-Date: \$ -
Stored Materials This Estimate: \$ -

Subtotal To-Date: \$ 579,814.66
Subtotal This Estimate: \$ 107,648.64

Deductions To-Date: \$ -
Deductions This Estimate: \$ -

Gross Payment This Estimate: \$ 107,648.64
Less Transfer to Reserve: \$ -

Net Payment This Estimate: \$ 107,648.64

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting

Shawn Phelps

DATE: November 26, 2024

SUBJECT: Request for Board approval of payment of the following invoice(s):

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

| Ref No. | Paid To | For | Amount |
|-----------------------------|----------------------------|--|----------------------------|
| SINV00297726 | T R Pieprzak Company | Est # 3- Proj # 1-7215 | \$208,458.19 |
| SINV00296697 | Hubbell Roth and Clark Inc | Invoice # 0220816 - Engineering Services - Proj # 1-7215 | 42,552.87 |
| SINV00301933 | Hubbell Roth and Clark Inc | Invoice # 0221594 - Engineering Services- Proj # 1-7215 | 5,644.05 |
| Total Project 1-7215 | | | <u>\$256,655.11</u> |

12. Caddell Drain

AGENDA

DRAINAGE BOARD FOR THE CADDELL DRAIN

November 26, 2024

1. Call meeting to order
2. Approve minutes of meeting of July 23, 2024
3. Public Comments
4. Present Memorandum from Jeffrey Parrott, Supervisor, Right of Way, dated November 26, 2024, requesting the Board authorize the Chairperson to sign the easement allowing the City of Farmington Hills to operate and maintain the water main within district property
5. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$4,026.00
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

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

July 23, 2024

A meeting of the Drainage Board for Caddell Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 23rd day of July 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

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

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

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

ADOPTED: Yeas - 2
Nays - 0

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

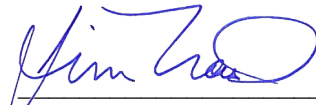
A memorandum from Garrett Shafer, E.I.T., Civil Engineer II, Drain Maintenance, dated July 23, 2024, requesting the Board authorize DVM Utilities Inc. to proceed with services outlined in its May 2, 2024 proposal for a not-to-exceed amount of \$72,000 based on existing as-needed services contract No. 008744, and approve a project budget of \$80,000 for the Caddell Drain CIPP Lining Project was presented. It was moved by Markham, supported by Nash, to authorize DVM Utilities Inc. to proceed with services outlined in its May 2, 2024 proposal for a not-to-exceed amount of \$72,000 based on existing as-needed services contract No. 008744, and approve a project budget of \$80,000 for the Caddell Drain CIPP Lining Project as presented.

ADOPTED: Yeas - 2
Nays - 0

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

ADOPTED: Yeas - 2
Nays - 0


There being no further business, the meeting was adjourned.


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

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

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



Jim Nash, Chairperson

Dated: July 23, 2024

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER**

MEMORANDUM

TO: Jim Nash, Chairperson of the Caddell Drain Drainage District

FROM: Jeffrey Parrott, Supervisor, Right of Way

SUBJECT: Easement for City of Farmington Hills Water Main Relocation

DATE: November 26, 2024

An existing water main within district property has been relocated within district property. The City of Farmington Hills needs an easement for future operation and maintenance of the relocated water main.

Staff has no objection to the relocation of the water main. Attached is the proposed easement for your review.

Requested Action: Authorize the chairperson to sign the easement allowing the City of Farmington Hills to operate and maintain the water main within district property.



DISCLAIMER:

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

**WO 1217939 Farmington Hills Water
Central West Water Main Replacement Project
CITY OF FARMINGTON HILLS
Oakland County, Michigan**



One Public Works Drive
Building 95 West
Waterford, Michigan
48328-1907

EASEMENT

Parcel No: 1
Project: Farmington Hills
Water - Central West
Water Main Replacement

CADDELL DRAIN DRAINAGE DISTRICT, a Michigan Statutory Corporation, acting through its Drainage Board pursuant to Chapter 20 of Act No. 40 of the Public Acts of 1956, as amended (Michigan Drain Code), **GRANTOR**, whose address is the Office of the Oakland County Water Resources Commissioner (“WRC”), One Public Works Drive, Waterford, Michigan, 48328-1907, for and in consideration of the sum of **ONE DOLLAR (\$1.00)** receipt of which is hereby acknowledged, paid by **CITY OF FARMINGTON HILLS**, a Michigan Municipal Corporation, **GRANTEE**, whose address is 31555 W. Eleven Mile Rd., Farmington Hills, MI 48336-1103, GRANTOR does hereby grant to GRANTEE the right to construct, operate, maintain, repair or replace a water supply system, in accordance with the terms and conditions set forth herein:

RECITALS:

A. The GRANTOR is the owner of certain real property described as follows (the “Premises”):

Part of the Northeast 1/4 of Section 30, T.01N., R.09E., City of Farmington Hills, Oakland County, Michigan, described as Beginning at a point distant N.00°05'00"E., 1183.80 ft. along the East line of Michigan, described as Beginning at a point distant N.00°05'00"E., 1183.80 ft. along the East line of Section 30 and S.89°58'07"W., 726.85 ft. along the North line of **"FARMINGTON FREEWAY INDUSTRIAL PARK"** a subdivision recorded in Liber 120 of Plats, Pages 36 and 37, Oakland County Records, from the East 1/4 corner of said Section 30; thence S. 89°58'07"W., 175.0 ft. along said North line thence N.00°03'39"E., 210.0 ft.; thence N.53°21'10"E., 145.28 ft.; thence due East 30.0 ft.; thence S.26°41'44" E., 63.38 ft.; thence S.00°03'391"W., 240.0 ft. to the point of beginning.

Also, part of the Northeast 1/4 Section 30 T.01N., R.09E., City of Farmington Hills, Oakland County, Michigan, described as: Beginning at a point distant N.01°38'00"E., 1,183.70 ft. along the East line of said Section 30 and N.88°25'00"W., 409.20 ft. from the East 1/4 post of said Section 30; thence N.88°25'00"W., 318.65 ft.; thence N.01°42'00"E., 240.00 ft.; thence S.71°11'02"E., 50.63 ft.; thence S.88°25'00"E., 270.00 ft.; thence S.01°38'00"W., 225.00 ft. to the point of beginning,

Also, land located in the City of Farmington Hills, Oakland County, Michigan described as: Part of the Northeast 1/4 of Section 30, T.01N., R.09E., described as: Commencing at the East 1/4 corner of said Section 30; thence N. 01°38'00" E., along the East line of said Section, 1183.70 ft.; thence N88°25'00" W., 60.00 ft. to the point of beginning: thence continuing N. 88°25'00" W., 194.20. ft.; thence N. 01°38'00" E., 449.06 ft. to a point of curve and the southwesterly right of way line of I-96 cut-off ramp; thence along said curve to the right, radius of 1412.98 ft., through an arc distance "60.00 ft., chord bearing S. 26°55'20" E., 60.00 ft.; thence S. 25°43'20" E., along said right of way line, 360.45 ft.; thence " S. 01°38'00" W., 76.00 ft. to the point of beginning.

Also, part of the Northeast 1/4 Section 30 T.01N., R.09E., City of Farmington Hills, Oakland County, Michigan, being more particularly described as; Beginning at a point which is N. 01°38'00" E., 1183.70 ft. and N. 88°25'00" W., 254.20 ft. from the East 1/4 corner of said Section 30; thence from said **POINT OF BEGINNING** N. 88°25'00" W., 155.00 ft.; thence N. 01°38'00" E., 844.00 ft.; thence southeasterly 229.10 ft. along centerline of cut off; thence southeasterly 229.10 ft. along centerline of cut off; thence S. 01°38'00" W., 674.20 ft. to the point of beginning, except that part taken for widening of Grand River cut-off.

Also, part of Lot 36 of "**FARMINGTON FREEWAY INDUSTRIAL PARK NO. 2**" a subdivision of part of the Northeast 1/4 of Section 30, T.01N., R.09E., City of Farmington Hills, Oakland County, Michigan, as recorded in Liber 120 of Plats, Pages 36 and 37, Oakland County Records, more particularly described as: Beginning at the Northwest corner of said Lot 36; thence S.00°06'14" E., 45.00 ft. along the West lot line; thence N.67°19'46" E., 64.95 ft.; thence N.89°58'07" E., 65.0. ft.; thence N.66°00'22" E., 49.24 ft. to a point on the North lot line; thence S.89°58'07" W., 170.0 ft. along the North lot line to the point of beginning.

Sidwell No: 23-30-276-060

and,

B. The GRANTEE desires to acquire from the GRANTOR certain rights to the Premises in order to construct, operate, maintain, repair or replace a water supply system.

IT IS THEREFORE AGREED:

1. **Grant of a Permanent Easement.** Grantor hereby grants to Grantee a perpetual easement described as follows:

Beginning at a point on the South parcel line said point located distant the following five (5) courses from the most Southwesterly corner of said parcel; N. 89°58'06" E, 50.38 ft. and S. 00°06'14" E, 45.00 ft. and N. 67°19'46" E., 64.95 ft. and N. 89°58'07" E., 65.00 ft. and N. 66°00'22" E., 40.46 ft.; thence from said **POINT OF BEGINNING** continuing N. 66°00'22" E, 9.18 ft.; thence N. 89°58'07" E, 12.15 ft. along the North line of said "**FARMINGTON FREEWAY INDUSTRIAL PARK NO. 2**"; thence N. 26°57'35" W, 77.22 ft.; thence N. 44°54'53" W, 33.53 ft. along the Westerly edge of a 12.00 ft. wide Permanent Water easement as recorded in L 9376 Page 235 of Oakland County Records; thence N. 89°54'53" W, 4.00 ft.; thence S. 00°05'07" W, 13.42 ft.; thence S. 26°57'35" E, 92.98 ft. to the point of beginning.

2. **Purpose of the Easement.** The permanent easement granted herein shall be used for the purpose of the operation, maintenance, repair or replacement of the system constructed in accordance with the plans and specifications approved by the GRANTEE.

3. **General Conditions.**

- a. GRANTOR agrees not to build or convey to others permission to build any permanent structures on the above-described permanent easement. Permanent structures include but are not limited to, fixtures, structures with footings, culverts, dams, bridges and structures of a similar nature.

- b. Except as otherwise agreed in writing between the GRANTOR and GRANTEE, GRANTEE may remove all trees and shrubbery within the permanent easement and shall not be required to replace trees and shrubbery that are removed.

- c. Except as otherwise provided herein, if the Premises shall be disturbed by reason of the exercise of any of the foregoing powers, then the Premises shall be restored to substantially the condition that existed prior to entering upon said Premises by the GRANTEE, its contractors, agents or assigns.

- d. Also granted herein, is the right of ingress and egress for the GRANTEE to enter upon, access and use any and all presently existing or future driveways or related vehicular access areas of the premises for operation, maintenance and repair of the water supply system located upon the subject property.

e. GRANTOR retains, reserves, and shall continue to enjoy the use of the permanent easement for any and all purposes which do not interfere with, obstruct the use of or prevent the use by GRANTEE.

f. It is understood that the easement, rights, and privileges granted herein are nonexclusive, and GRANTOR reserves and retains the right to convey similar easements and rights to such other persons as GRANTOR may deem proper provided such similar easements do not affect GRANTEE'S Easement.

g. This Easement shall be binding upon and inure to the benefit of the Parties hereto, their heirs, representatives, successors and assigns.

h. A map of the above-described Easement is attached hereto and made a part thereof.

i. This instrument contains the entire agreement between the Parties relating to the rights herein granted and the obligations herein assumed. Any oral representations or modifications concerning this instrument shall be of no force and effect. Any modification of this Easement must be in writing and must be signed by the party to be charged.

j. This Easement is made and entered into in the State of Michigan and shall in all respects be interpreted, enforced and governed under the laws of the State of Michigan. The language of all parts of this Easement is intended to and, in all cases, shall be construed as a whole according to its fair meaning, and not construed strictly for or against any party.

k. It is further understood and agreed between the Parties that the terms and conditions herein are contractual and are not a mere recital and that there are no other agreements, understandings, contracts, or representations between GRANTOR and GRANTEE in any way related to the subject matter hereof, except as expressly stated herein.

l. If any provision of this Easement or its application to any person or circumstance shall to any extent be invalid or unenforceable, the remainder of this

Easement shall not be affected and shall remain valid and enforceable to the fullest extent permitted by law.

m. It is understood and agreed between the Parties that a failure by either Party to fulfill a condition or term set forth in this Easement shall not result in the extinguishment of the easement rights granted herein or constitute a waiver of such term or condition.

(Remainder of this page intentionally left blank)

IN WITNESS WHEREOF, the Grantor has hereunto affixed its signature
this _____ day of _____ A.D., 2024.

**CADDELL DRAIN DRAINAGE
DISTRICT**, a Michigan Statutory
Corporation, acting through its Drainage
Board

By: _____
Jim Nash, Oakland County
Water Resources Commissioner

Its: Chairperson

ACKNOWLEDGEMENT

STATE OF MICHIGAN)
)SS:
COUNTY OF OAKLAND)

On this ____ day of _____, 2024, before me a Notary Public,
personally appeared Jim Nash, Chairperson of the CADDELL DRAIN
DRAINAGE BOARD, known to me to be the person who executed the within
instrument and who acknowledged the same to be their free act and deed.

_____, Notary Public
_____, County, _____
My Commission Expires: _____
Acting in County of: _____

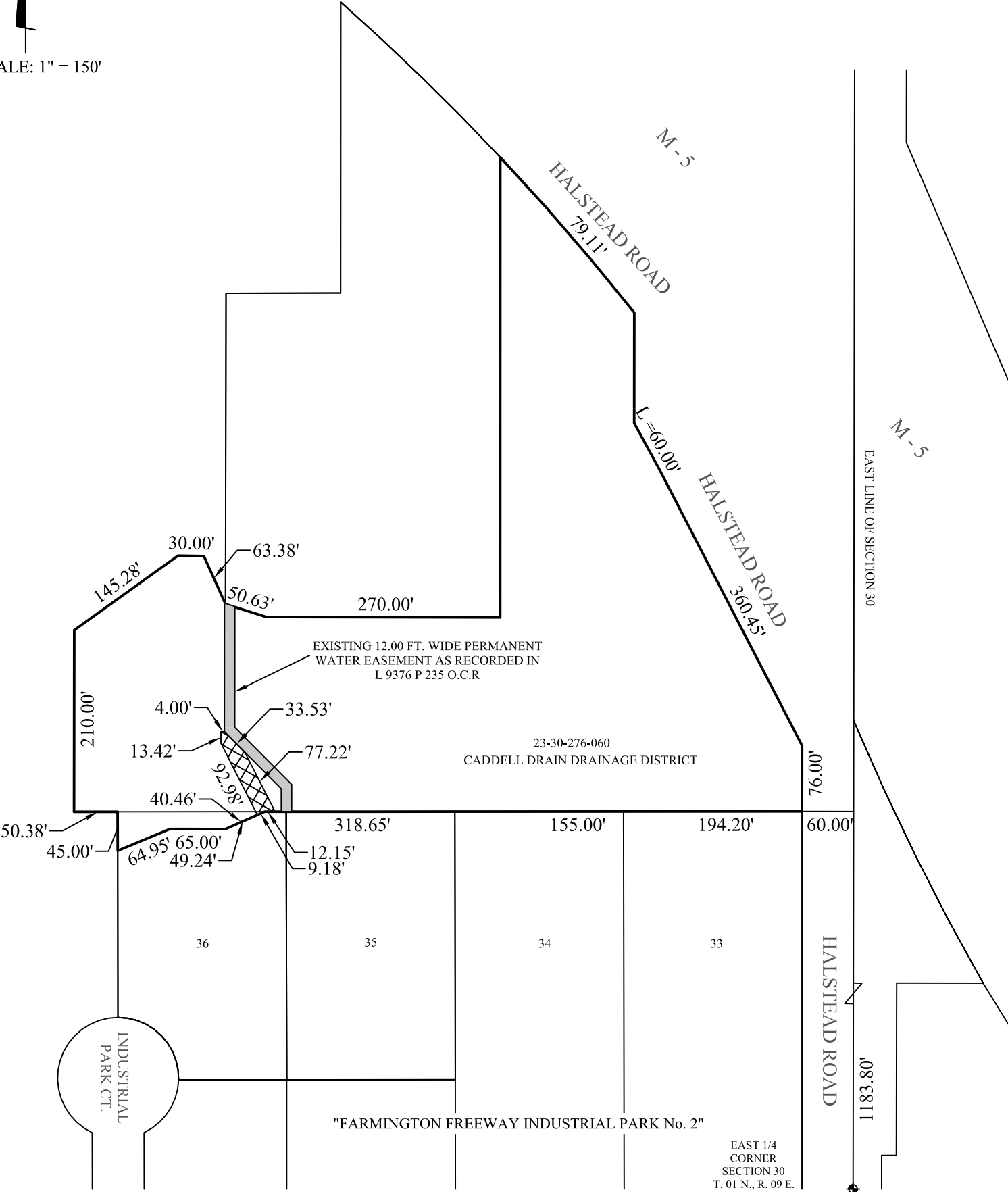
This instrument drafted by:
Jeffrey S. Parrott, Supervisor Right of Way
Office of the Oakland County Water Resources Commissioner
Building 95 West
One Public Works Drive
Waterford, Michigan 48328-1907

EASEMENT SKETCH

NOTE: NO FIELD WORK PERFORMED
DESCRIPTION TAKEN FROM RECORD.

N

SCALE: 1" = 150'



PROJECT: Farmington Hills Water - Central West Water Main Replacement Project 03/18/2024

PERMANENT EASEMENT  EASEMENT PARCEL NO. 1-2024 DWG. 1 OF 1

SIDWELL NO. 23-30-276-060

Part of NE 1/4 Section 30, T 01 N, R 09 E, City of Farmington Hills, Oakland County, Michigan

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting



DATE: November 26, 2024

SUBJECT: Request Approval for Payment of Invoice and Reimbursement of the Drain Revolving Fund

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

| Ref No. | Paid To | For | Amount |
|--------------|----------------------------|---------------------------------------|--------------------|
| SINV00269534 | Hubbell Roth and Clark Inc | Inv # 0216125 - Professional Services | \$ 4,026.00 |
| Total | | | \$ 4,026.00 |

13. Henry-Graham Drain

AGENDA

DRAINAGE BOARD FOR THE HENRY-GRAHAM DRAIN

November 26, 2024

1. Call meeting to order
2. Approve minutes of meeting of October 22, 2024
3. Public Comments
4. Present Construction Estimate No. 2 for D.V.M. Utilities for Repairs to the Henry Graham Drain in the amount of \$227,515.00
5. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$104,165.00
6. Other business
7. Approve pro rata payment to Drainage Board members
8. Adjourn

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

October 22, 2024

A meeting of the Drainage Board for the Henry-Graham Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 22nd day of October 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

ABSENT: None.

Minutes of the meeting held March 26, 2024, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

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

Construction Estimate No. 1 for D.V.M. Utilities for Repairs to the Henry Graham Drain in the amount of \$104,165.00 was presented. It was moved by Markham, supported by Woodward, to approve Construction Estimate No. 1 for D.V.M. Utilities for Repairs to the Henry Graham Drain in the amount of \$104,165.00 as presented.

ADOPTED: Yeas - 3
Nays - 0

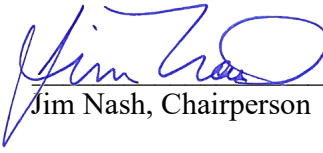
A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$1,989.57 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$1,989.57.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.

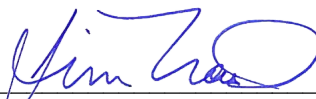


Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Henry-Graham Drain, Oakland County, Michigan, held on 22nd day of October 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: October 22, 2024

Jim Nash, Oakland County Water Resources Commissioner
Henry Graham Drain Drainage District
For Repairs to the Henry Graham Drain
City of Troy and City of Madison Heights
Oakland County, Michigan

Construction Estimate No. 2 ✓

October 12, 2024 to November 18, 2024 ✓

Department No.: CCN6010101
Fund No.: FND82494
Project No.: PRJ-17415

Account No.: SC730373
Program No.: PRG155020
Activity: STD

Vendor No. : 17497

Contract No. : WDCON8744

Date of Contract: January 21, 2020

Completion Date: December 31, 2024

Contractor:

DVM Utilities, Inc.

6045 Sims Dr Ste 2

Sterling Heights, MI 48313

Original Contract Amount:

\$365,917.75

Previous Change Order Numbers (none):

\$0.00

Change Orders This Estimate Numbers (none):

\$0.00

Total Net Change Orders:

\$0.00

Adjusted Contract Amount:

\$365,917.75

Subtotal To Date: (Sheet 3 of 3 Column 7)

\$331,680.00

Less Deductions to Date: (Sheet 3 of 3 Column 7)

\$0.00

Gross Estimate: (Work in Place)

90.64%

\$331,680.00

Less Amount Reserved: (0% of Adjusted Contract Amount)

\$0.00

Total Amount Allowed To Date:

\$331,680.00

Less Previous Estimates:

\$104,165.00 ✓

Net Payment Request To Be Paid To Contractor:

\$227,515.00

Reserve Payment to Contractor

\$0.00

Balance of Contract To Date

\$34,237.75 ✓

Accounting Auditor:

HDG 11/20/24

Less Previous Transfers To Reserve:

\$0.00 ✓

Amount of Current Transfer:

\$0.00

Prepared by:

Geoff Wilson
Geoff S. Wilson, P.E. - WRC Chief Engineer

Date:

11/20/2024

Approved by:

Gary Nigro, P.E. - WRC Manager

Date:

Approved by Board on: _____

JIM NASH

OAKLAND COUNTY WATER RESOURCES COMMISSIONER

Jim Nash, Oakland County Water Resources Commissioner
Henry Graham Drain Drainage District
For Repairs to the Henry Graham Drain
City of Troy and City of Madison Heights
Oakland County, Michigan

| Construction Estimate No. 1 | | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
|--|---------------------------------------|--------------|------|------------|-----------------------|----------------------------------|------------------------|----------------------|---------------------------|
| | Contract Item | Bid Quantity | Unit | Unit Price | Quantity This Payment | Total Quantity Previous Estimate | Total Quantity to Date | Total Amount to Date | Total Amount This Payment |
| N/A to ROT002003 (Asset ID 24044) - Grout | | | | | | | | | |
| 1 | Chemical Grouting System Setup, Joint | 1 | EA | 5,000.00 | 1.00 | 0.00 | 1.00 | \$5,000.00 | \$5,000.00 |
| 2 | Post Construction PACP CCTV | 10 | FT | 28.50 | 11.00 | 0.00 | 11.00 | \$313.50 | \$313.50 |
| 3 | Traffic Control | 1 | LS | 1,500.00 | 1.00 | 0.00 | 1.00 | \$1,500.00 | \$1,500.00 |
| ROT002004 to ROT002003 (Asset ID 24046) - Grout | | | | | | | | | |
| 4 | Chemical Grouting System Setup, Joint | 2 | EA | 2,000.00 | 2.00 | 0.00 | 2.00 | \$4,000.00 | \$4,000.00 |
| 5 | Post Construction PACP CCTV | 343 | FT | 1.25 | 346.00 | 0.00 | 346.00 | \$432.50 | \$432.50 |
| 6 | Traffic Control | 1 | LS | 1,500.00 | 1.00 | 0.00 | 1.00 | \$1,500.00 | \$1,500.00 |
| N/A to ROT002005 (Asset ID 24047) - Grout | | | | | | | | | |
| 7 | Chemical Grouting System Setup, Joint | 1 | EA | 1,200.00 | 1.00 | 0.00 | 1.00 | \$1,200.00 | \$1,200.00 |
| 8 | Post Construction PACP CCTV | 10 | FT | 28.50 | 12.00 | 0.00 | 12.00 | \$342.00 | \$342.00 |
| 9 | Traffic Control | 1 | LS | 1,000.00 | 1.00 | 0.00 | 1.00 | \$1,000.00 | \$1,000.00 |
| ROT005001 to ROT002009 (Asset ID 24054) - Grout | | | | | | | | | |
| 10 | Chemical Grouting System Setup, Joint | 1 | EA | 2,000.00 | 2.00 | 0.00 | 2.00 | \$4,000.00 | \$4,000.00 |
| 11 | Post Construction PACP CCTV | 198 | FT | 1.50 | 199.00 | 0.00 | 199.00 | \$298.50 | \$298.50 |
| 12 | Traffic Control | 1 | LS | 1,000.00 | 1.00 | 0.00 | 1.00 | \$1,000.00 | \$1,000.00 |
| TRT143024 to ROT002022 (Asset ID 24681) - Grout | | | | | | | | | |
| 13 | Chemical Grouting System Setup, Joint | 3 | EA | 2,300.00 | 4.00 | 0.00 | 4.00 | \$9,200.00 | \$9,200.00 |
| 14 | Post Construction PACP CCTV | 155 | FT | 2.00 | 162.00 | 0.00 | 162.00 | \$324.00 | \$324.00 |
| 15 | Traffic Control | 1 | LS | 1,850.00 | 1.00 | 0.00 | 1.00 | \$1,850.00 | \$1,850.00 |
| ROT002018 to ROT002027(BT) (Asset ID 24690) - Grout | | | | | | | | | |
| 16 | Chemical Grouting System Setup, Joint | 1 | EA | 1,200.00 | 1.00 | 0.00 | 1.00 | \$1,200.00 | \$1,200.00 |
| 17 | Post Construction PACP CCTV | 17 | FT | 17.00 | 12.00 | 0.00 | 12.00 | \$204.00 | \$204.00 |
| 18 | Traffic Control | 1 | LS | 450.00 | 1.00 | 0.00 | 1.00 | \$450.00 | \$450.00 |
| ROT002026 to ROT002028 (Asset ID 24688 (24684)) - Grout | | | | | | | | | |
| 19 | Chemical Grouting System Setup, Joint | 1 | EA | 2,700.00 | 1.00 | 0.00 | 1.00 | \$2,700.00 | \$2,700.00 |
| 20 | Post Construction PACP CCTV | 43 | FT | 7.50 | 49.00 | 0.00 | 49.00 | \$367.50 | \$367.50 |
| 21 | Traffic Control | 1 | LS | 500.00 | 1.00 | 0.00 | 1.00 | \$500.00 | \$500.00 |
| ROT003004 to ROT003003 (Asset ID 22676) - Grout | | | | | | | | | |
| 22 | Chemical Grouting System Setup, Joint | 2 | EA | 2,000.00 | 2.00 | 0.00 | 2.00 | \$4,000.00 | \$4,000.00 |
| 23 | Post Construction PACP CCTV | 428 | FT | 1.50 | 435.00 | 0.00 | 435.00 | \$652.50 | \$652.50 |
| 24 | Traffic Control | 1 | LS | 1,500.00 | 1.00 | 0.00 | 1.00 | \$1,500.00 | \$1,500.00 |
| ROT005002 to ROT005001 (Asset ID 22711) - Grout | | | | | | | | | |
| 25 | Chemical Grouting System Setup, Joint | 1 | EA | 1,200.00 | 0.00 | 0.00 | 0.00 | \$0.00 | \$0.00 |
| 26 | Post Construction PACP CCTV | 26 | FT | 11.00 | 28.00 | 0.00 | 28.00 | \$308.00 | \$308.00 |
| 27 | Traffic Control | 1 | LS | 900.00 | 1.00 | 0.00 | 1.00 | \$900.00 | \$900.00 |
| ROT008019 to ROT008012 (Asset ID 22688) - Grout | | | | | | | | | |
| 28 | Chemical Grouting System Setup, Joint | 2 | EA | 1,200.00 | 0.00 | 0.00 | 0.00 | \$0.00 | \$0.00 |
| 29 | Post Construction PACP CCTV | 195 | FT | 1.50 | 153.00 | 0.00 | 153.00 | \$229.50 | \$229.50 |
| 30 | Traffic Control | 1 | LS | 1,000.00 | 1.00 | 0.00 | 1.00 | \$1,000.00 | \$1,000.00 |
| TRT100003 to TRT100002 (Asset ID 25846) - Grout | | | | | | | | | |
| 31 | Chemical Grouting System Setup, Joint | 4 | EA | 2,375.00 | 4.00 | 0.00 | 4.00 | \$9,500.00 | \$9,500.00 |
| 32 | Post Construction PACP CCTV | 466 | FT | 1.50 | 476.00 | 0.00 | 476.00 | \$714.00 | \$714.00 |
| 33 | Traffic Control | 1 | LS | 500.00 | 1.00 | 0.00 | 1.00 | \$500.00 | \$500.00 |
| TRT100005 to TRT100004 (Asset ID 25838) - Grout | | | | | | | | | |
| 34 | Chemical Grouting System Setup, Joint | 2 | EA | 2,700.00 | 4.00 | 0.00 | 4.00 | \$10,800.00 | \$10,800.00 |
| 35 | Post Construction PACP CCTV | 632 | FT | 1.50 | 0.00 | 0.00 | 0.00 | \$0.00 | \$0.00 |
| 36 | Traffic Control | 1 | LS | 250.00 | 1.00 | 0.00 | 1.00 | \$250.00 | \$250.00 |
| TRT098063 to TRT100006 (Asset ID 25834) - Grout | | | | | | | | | |
| 37 | Chemical Grouting System Setup, Joint | 4 | EA | 2,400.00 | 4.00 | 0.00 | 4.00 | \$9,600.00 | \$9,600.00 |
| 38 | Post Construction PACP CCTV | 607 | FT | 1.50 | 0.00 | 0.00 | 0.00 | \$0.00 | \$0.00 |
| 39 | Traffic Control | 1 | LS | 500.00 | 1.00 | 0.00 | 1.00 | \$500.00 | \$500.00 |
| TRT143013 to TRT143011 (Asset ID 25399) - Grout | | | | | | | | | |
| 40 | Chemical Grouting System Setup, Joint | 1 | EA | 2,700.00 | 1.00 | 0.00 | 1.00 | \$2,700.00 | \$2,700.00 |
| 41 | Post Construction PACP CCTV | 542 | FT | 1.75 | 549.00 | 0.00 | 549.00 | \$960.75 | \$960.75 |
| 42 | Traffic Control | 1 | LS | 1,100.00 | 1.00 | 0.00 | 1.00 | \$1,100.00 | \$1,100.00 |
| TRT143015 to TRT143014 (Asset ID 25408) - Grout | | | | | | | | | |
| 43 | Chemical Grouting System Setup, Joint | 3 | EA | 2,500.00 | 3.00 | 0.00 | 3.00 | \$7,500.00 | \$7,500.00 |
| 44 | Post Construction PACP CCTV | 542 | FT | 1.75 | 267.00 | 0.00 | 267.00 | \$467.25 | \$467.25 |
| 45 | Traffic Control | 1 | LS | 1,800.00 | 1.00 | 0.00 | 1.00 | \$1,800.00 | \$1,800.00 |
| TRT142003 to TRT143021 (Asset ID 25866) - Grout | | | | | | | | | |
| 46 | Chemical Grouting System Setup, Joint | 3 | Ea | 2,500.00 | 3.00 | 0.00 | 3.00 | \$7,500.00 | \$7,500.00 |
| 47 | Post Construction PACP CCTV | 692 | Ft | 1.50 | 690.00 | 0.00 | 690.00 | \$1,035.00 | \$1,035.00 |
| 48 | Traffic Control | 1 | LS | 550.00 | 1.00 | 0.00 | 1.00 | \$550.00 | \$550.00 |
| TRT094016 to TRT144001 (Asset ID 26218) - Grout | | | | | | | | | |
| 49 | Chemical Grouting System Setup, Joint | 2 | EA | 2,000.00 | 1.00 | 0.00 | 1.00 | \$2,000.00 | \$2,000.00 |
| 50 | Post Construction PACP CCTV | 10 | FT | 33.00 | 11.00 | 0.00 | 11.00 | \$363.00 | \$363.00 |
| 51 | Traffic Control | 1 | LS | 475.00 | 1.00 | 0.00 | 1.00 | \$475.00 | \$475.00 |
| TRT144004 to TRT144003 (Asset ID 25440) - Grout | | | | | | | | | |
| 52 | Chemical Grouting System Setup, Joint | 4 | EA | 1,700.00 | 4.00 | 0.00 | 4.00 | \$6,800.00 | \$6,800.00 |
| 53 | Post Construction PACP CCTV | 363 | FT | 1.75 | 368.00 | 0.00 | 368.00 | \$644.00 | \$644.00 |
| 54 | Traffic Control | 1 | LS | 2,250.00 | 1.00 | 0.00 | 1.00 | \$2,250.00 | \$2,250.00 |
| TRT144006 to TRT144004 (Asset ID 25437) - Grout | | | | | | | | | |
| 55 | Chemical Grouting System Setup, Joint | 2 | EA | 2,000.00 | 2.00 | 0.00 | 2.00 | \$4,000.00 | \$4,000.00 |
| 56 | Post Construction PACP CCTV | 284 | FT | 2.25 | 283.00 | 0.00 | 283.00 | \$636.75 | \$636.75 |
| 57 | Traffic Control | 1 | LS | 1,500.00 | 1.00 | 0.00 | 1.00 | \$1,500.00 | \$1,500.00 |
| TRT144009 to TRT144006 (Asset ID 25432) - Grout | | | | | | | | | |
| 58 | Chemical Grouting System Setup, Joint | 5 | EA | 2,450.00 | 6.00 | 0.00 | 6.00 | \$14,700.00 | \$14,700.00 |
| 59 | Post Construction PACP CCTV | 378 | FT | 1.75 | 380.00 | 0.00 | 380.00 | \$665.00 | \$665.00 |
| 60 | Traffic Control | 1 | LS | 2,450.00 | 1.00 | 0.00 | 1.00 | \$2,450.00 | \$2,450.00 |
| TRT144014 to TRT144011 (Asset ID 25425) - Grout/Deposits | | | | | | | | | |
| 61 | Chemical Grouting System Setup, Joint | 1 | EA | 2,000.00 | 1.00 | 0.00 | 1.00 | \$2,000.00 | \$2,000.00 |
| 62 | Deposits Removal | 1 | EA | 300.00 | 1.00 | 0.00 | 1.00 | \$300.00 | \$300.00 |
| 63 | Post Construction PACP CCTV | 434 | FT | 1.50 | 875.00 | 0.00 | 875.00 | \$1,312.50 | \$1,312.50 |
| 64 | Traffic Control | 1 | LS | 1,150.00 | 1.00 | 0.00 | 1.00 | \$1,150.00 | \$1,150.00 |
| TRT143016 to TRT143015 (Asset ID 24055) - Grout/Reinforcement Repair | | | | | | | | | |
| 65 | Chemical Grouting System Setup, Joint | 5 | EA | 2,450.00 | 5.00 | 0.00 | 5.00 | \$12,250.00 | \$12,250.00 |
| 66 | Concrete Repair, Prep and Patch | 20 | SFT | 275.00 | 20.00 | 0.00 | 20.00 | \$5,500.00 | \$5,500.00 |
| 67 | Corroded/Missing Reinforcement Repair | 15 | FT | 150.00 | 5.00 | 0.00 | 5.00 | \$750.00 | \$750.00 |
| 68 | Post Construction PACP CCTV | 436 | FT | 1.50 | 427.00 | 0.00 | 427.00 | \$640.50 | \$640.50 |
| 69 | Traffic Control | 1 | LS | 1,900.00 | 1.00 | 0.00 | 1.00 | \$1,900.00 | \$1,900.00 |
| ROT003011 to ROT003017 (Asset ID 24041) - Reinforcement Repair | | | | | | | | | |
| 70 | Concrete Repair, Prep and Patch | 9 | SFT | 350.00 | 1.54 | 9.00 | 10.54 | \$3,689.00 | \$539.00 |
| 71 | Corroded/Missing Reinforcement Repair | 8 | FT | 150.00 | 0.00 | 8.00 | 8.00 | \$1,200.00 | \$0.00 |
| 72 | Post Construction PACP CCTV | 280 | FT | 1.25 | 290.00 | 0.00 | 290.00 | \$362.50 | \$362.50 |
| 73 | Traffic Control | 1 | LS | 800.00 | 0.00 | 1.00 | 1.00 | \$800.00 | \$0.00 |
| TRT051046 to TRT051045 (Asset ID 26200) - Reinforcement Repair | | | | | | | | | |
| 74 | Concrete Repair, Prep and Patch | 146 | SFT | 165.00 | -115.50 | 146.00 | 30.50 | \$5,032.50 | -\$19,057.50 |
| 75 | Corroded/Missing Reinforcement Repair | 60 | FT | 100.00 | 0.00 | 60.00 | 60.00 | \$6,000.00 | \$0.00 |
| 76 | Post Construction PACP CCTV | 578 | FT | 1.50 | 590.00 | 0.00 | 590.00 | \$885.00 | \$885.00 |
| 77 | Traffic Control | 1 | LS | 500.00 | 0.00 | 1.00 | 1.00 | \$500.00 | \$0.00 |
| TRT051049 to TRT051046 (Asset ID 26197) - Reinforcement Repair | | | | | | | | | |
| 78 | Concrete Repair, Prep and Patch | 102 | SFT | 185.00 | -54.50 | 102.00 | 47.50 | \$8,787.50 | -\$10,082.50 |
| 79 | Corroded/Missing Reinforcement Repair | 40 | FT | 135.00 | 0.00 | 40.00 | 40.00 | \$5,400.00 | \$0.00 |
| 80 | Post Construction PACP CCTV | 538 | FT | 1.50 | 817.50 | 0.00 | 817.50 | \$1,226.25 | \$1,226.25 |
| 81 | Traffic Control | 1 | LS | 500.00 | 0.00 | 1.00 | 1.00 | \$500.00 | \$0.00 |
| TRT051050 to TRT051049 (Asset ID 26196) - Reinforcement Repair | | | | | | | | | |
| 82 | Concrete Repair, Prep and Patch | 70 | SFT | 225.00 | -40.50 | 70.00 | 29.50 | \$6,637.50 | -\$9,112.50 |
| 83 | Corroded/Missing Reinforcement Repair | 20 | FT | 135.00 | 0.00 | 20.00 | 20.00 | \$2,700.00 | \$0.00 |
| 84 | Post Construction PACP CCTV | 411 | FT | 1.75 | 345.00 | 0.00 | 345.00 | \$603.75 | \$603.75 |
| 85 | Traffic Control | 1 | LS | 500.00 | 0.00 | 1.00 | 1.00 | \$500.00 | \$0.00 |

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

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

DATE: November 26, 2024

SUBJECT: Request for Board approval of payment of the following invoice(s):

| <u>Date</u> | <u>Ref No.</u> | <u>To</u> | <u>For</u> | <u>Amount</u> |
|-------------|--------------------|-------------------|---------------------------------|----------------------|
| 10/11/2024 | SINV00298337 | DVM Utilities Inc | Estimate No 1 - Proj #1-7415 | \$ 104,165.00 |
| | | | Total for Project 1-7415 | \$ 104,165.00 |

14. Northwest Oakland Sanitary Sewer Drain

AGENDA

DRAINAGE BOARD FOR THE NORTHWEST OAKLAND SANITARY SEWER DRAIN

November 26, 2024

1. Call meeting to order
2. Approve minutes of meeting of October 26, 2024
3. Public Comments
4. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$1,540.00
5. Other business
6. Approve pro rata payment to Drainage Board members
7. Adjourn

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

October 22, 2024

A meeting of the Drainage Board for the Northwest Oakland Sanitary Sewer Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 22nd day of October 2024.

The meeting was called to order by the Chairperson.

PRESENT: Jim Nash, Oakland County Water Resources Commissioner

David Woodward, Chairperson of the Oakland County Board of Commissioners

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

ABSENT: None.

Minutes of the meeting held September 24, 2024, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3
Nays - 0

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

A memorandum from Brian Coburn, WRC Manager, dated October 22, 2024, requesting the Board approve to pay \$10 million to Genesee County in accordance with the Kearsley Creek Interceptor Construction Agreement dated July 13, 2023, was presented. It was moved by Markham, supported by Woodward, to approve to pay \$10 million to Genesee County in accordance with the Kearsley Creek Interceptor Construction Agreement dated July 13, 2023, as presented.

ADOPTED: Yeas - 3
Nays - 0

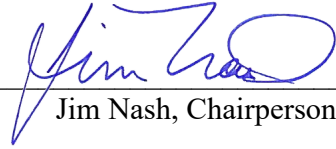
A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$3,794.50 (as attached) was presented. It was moved by Markham, supported by Woodward, to approve the payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$3,794.50.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

There being no further business, the meeting was adjourned.




Jim Nash, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Northwest Oakland Sanitary Sewer Drain, Oakland County, Michigan, held on the 22nd day of October 2024, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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



Jim Nash, Chairperson

Dated: October 22, 2024

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

FROM: Shawn Phelps, Chief of Fiscal Services
OCWRC Accounting

Sj Phelps

DATE: November 26, 2024

SUBJECT: Request for Board approval of payment of the following invoice(s):

| Ref No. | Paid To | For | Amount |
|------------|-----------------------|--|--------------------|
| TBP | Dickinson Wright PLLC | Invoice # 1978138 - Legal Services - 10/31/24 - Prj # 1-7469 | \$ 1,540.00 |
| | | Total Project 1-7469 | \$ 1,540.00 |
| | | Grand Total | \$ 1,540.00 |