<u>NOTICE OF MEETINGS</u> <u>DRAINAGE BOARD FOR THE FOLLOWING DRAINS:</u>

- 1. Drainage District Policy
- 2. Clinton River Water Resource Recovery Facility
- 3. Northwest Oakland Sanitary Sewer Drain
- 4. Acacia Park CSO
- 5. Birmingham CSO
- 6. Bloomfield Village CSO
- 7. George W. Kuhn Drain
- 8. Evergreen-Farmington Sanitary Drain
- 9. Henry Graham Drain

NOTICE IS HEREBY GIVEN THAT MEETINGS OF THE DRAINAGE BOARD FOR THE ABOVE-MENTIONED DRAINS WILL COMMENCE IN THE OAKLAND COUNTY PUBLIC WORKS BUILDING, ONE PUBLIC WORKS DRIVE, WATERFORD, MICHIGAN, AND VIA <u>MICROSOFT TEAMS</u> AT 2:00 P.M., ON TUESDAY, JUNE 27, 2023, TO CONDUCT NECESSARY AND APPROPRIATE BUSINESS OF THE DRAIN BOARDS. THOSE THAT WISH TO PARTICIPATE REMOTELY MAY FOLLOW THE INSTRUCTIONS ATTACHED TO THIS NOTICE. ALL BOARD MEMBERS WILL BE PARTICIPATING IN-PERSON.

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

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

Posted by: June 23, 2023

Microsoft Teams meeting

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1. Drainage District Policy

AGENDA

DRAINAGE BOARD FOR POLICY MATTERS

June 27, 2023

- 1. Call meeting to order
- 2. Approve minutes of meeting of March 28, 2023
- 3. Public Comments
- 4. Present Memorandum from Steve Korth, Water Resources Commissioner Chief Manager and Megan Koss, Water Resources Commissioner Attorney, dated June 27, 2023, requesting the Board receive and file the Drainage District Public Officials' Liability Insurance memorandum
- 5. Present Memorandum from Jim Nash, Oakland County Water Resources Commissioner, dated June 27, 2023, requesting the Board authorize staff to coordinate with Corporation Counsel and Fiscal Services personnel to assist with the analysis and review of Road Commission drain assessments
- 6. Present Memorandum from Lynne Seymour, P.E., Chief Engineer, dated June 27, 2023, requesting the Board approve the Plan Review and Permitting Fee Schedule for all separate and combined Chapter 20 drains with implementation commencing on July 1, 2023
- 7. Other business
- 8. Approve pro rata payment to Drainage Board members
- 9. Adjourn

MINUTES OF THE MEETING OF THE DRAINAGE BOARD FOR POLICY MATTERS

March 28, 2023

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

The meeting was called to order by the Chairperson.

PRESENT: Anne Vaara, Chairperson, Chief Deputy Oakland County Water Resources Commissioner

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

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

Jim Nash, Oakland County Water Resources Commissioner

Minutes of the meeting held January 24, 2023, were presented for consideration. It was moved by Markham, supported by Vaara, that the minutes be approved.

ADOPTED: Yeas - 2 Nays - 0

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

Steve Korth presented the 2022 Drain Annual Report and briefly advised on the content detailed in the report. It was moved by Markham, supported by Vaara, to receive and file the 2022 Drain Annual Report as presented.

ADOPTED: Yeas - 2 Nays - 0

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

ADOPTED: Yeas - 2 Nays - 0

There being no further business, the meeting was adjourned.

Anne Vaara, Chairperson

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for Policy Matters, Oakland County, Michigan, held on the 28th day of March 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 Policy Matters.

Anne Vaara, Chairperson

Dated: March 28, 2023

MEMORANDUM

TO:	Jim Nash, Chairman Drainage District for Policy Matters
FROM:	Steven Korth, P.E., Chief Manager and Megan Koss, Water Resources Commissioner Attorney
SUBJECT:	Drainage District Public Officials' Liability Insurance
DATE:	June 27, 2023

At the April 25, 2023 meeting of the Chapter 20 drain boards, Salvatore Saputo, Executive Vice President of Meadowbrook Insurance Agency, provided a proposal to renew the Evergreen-Farmington Sanitary Drain Drainage District's property, public officials' liability, general liability, excess liability, and pollution liability insurance policies. During the presentation, Commissioner David Woodward questioned whether it was necessary to insure any Chapter 20 drainage district for public officials' liability coverage because they may already be covered under Oakland County's separate public officials' liability policy. He was concerned about duplicative and/or overlapping public officials' liability coverage.

Robert Erlenbeck, Insurance Risk Administrator for Oakland County, recommends that drainage districts purchase their own public officials' liability coverage to ensure that the legal entity created by the establishment of the drainage district is adequately protected.

Erlenbeck clarified that although Oakland County has two separate programs that include public officials' liability insurance, one for WRC operations, and another for cities, villages, and townships operating under contract with the county, those policies do not include coverage for any legally established drainage district. Insurance coverage for drainage districts is placed separately. Oakland County's Master Insurance Program includes a \$5 million self-insured retention before any coverage is provided. Self-insurance retention is the amount that must be paid by the insured prior to the policy covering any loss. Further, the county's master program only applies to individually named commissioners and does not cover separate drainage districts.

Given Mr. Erlenbeck's recommendation, with which we concur, Chapter 20 drainage districts will continue to pursue public officials' liability insurance separate from any coverage sought and bound by Oakland County.

Requested Action: Receive and file.

OAKLAND COUNTY WATER RESOURCES COMMISSIONER	
Page 1 of 1	Rev.: 02/12/2018
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MEMORANDUM

TO:David T. Woodward, Chairman of the Oakland County Board of CommissionersFROM:Jim Nash, Oakland County Water Resources CommissionerSUBJECT:Road Commission Drain AssessmentDATE:June 27, 2023

It has been the practice of the previous Oakland County administration to pay the drain assessments levied against the county's road commission. Recently, we have reviewed the relevant statute and have determined that the Road Commission for Oakland County (RCOC) is responsible for paying its properly calculated portion of drain assessments. Currently, the financial implications approach approximately \$1.7 million per year, but actual savings are about half of that amount. That's because state law, specifically MCL 247.664a, provides that 50% of the cost of a drain assessment against the county for the drainage of county roads "shall be paid by the county road commission from county road funds." (Emphasis added.)

Although the practice of paying the entire amount from the county's general fund has been a time-honored tradition in Oakland County, such accommodation is not codified in law and has not been addressed by any resolution offered by the Board of Commissioners. Recognizing that the final decision rests with the Board of Commissioners, I recommend that this issue be assigned to Corporation Counsel for formal analysis and review.

For my part, I would be happy to direct my staff to coordinate with both Corporation Counsel and Fiscal Services personnel to assist with this important endeavor.

OAKLAND COUNTY WATER RESOURCES COMMISSIONER	
Page 1 of 1 Re	Rev.: 02/12/2018

MEMORANDUM

- TO: Jim Nash, Chairperson Drainage Board for Policy Matters
- FROM: Lynne Seymour, P.E., Chief Engineer
- SUBJECT: Adoption of Oakland County's Stormwater Plan Review and Permit Fees Plan for Chapter 20 Drains
- DATE: June 27, 2023

The Oakland County Water Resources Commissioner's Office requires landowners to submit an engineering plan for review and approval before performing work involving a County Drain or within a County Drain easement. The specifications that need to be met are outlined in the Stormwater Engineering Design Standards adopted in May 2021.

Our current standards allow for an annual update to the stormwater fee schedule. Over the past year, WRC staff has evaluated the current fees compared to neighboring counties, current staff wages, and staff effort required to ensure that permit revenue covers actual expenses. The attached fee schedule reflects current costs associated with plan review and permitting and are consistent with the fees charged by our neighboring counties. WRC staff will continue to track plan review and permitting efforts to assist with an annual fee review.

Recommended Action:

Approve the attached Plan Review and Permitting Fee Schedule for all Separate and Combined Chapter 20 Drains with implementation commencing on July 1, 2023.

Storm Water Permit Fee Schedule

Permit Type	Plan Review Fee	Inspection
Tap- Sump	\$300	\$350
Tap- Open County Drain	\$350	\$350/Tap
Tap- Enclosed County Drain	\$350	\$350/Tap
Culvert Installation/Replacement	\$500	\$500/Culvert min.*
Crossing- Bored	\$350	\$500 each (1-5), each add'l \$250
Crossing- Open Cut	\$350	\$500 each (1-5), each add'l \$250
Crossing- Bridge	\$450	\$500/Bridge min.*
Drain Clean Out	\$400	\$500 min*
Easement Use Agreement	\$350	N/A
Structure Adjustments	\$400	\$150/Each

* Fee may be higher based on inspection requirements due to culvert size, location, site conditions, project duration, etc.

Storm Water Plan Review Fee Schedule

Plan Review Type	Review Fee
Preliminary Plat (all)	\$400
Construction- less than 5 acres	\$600
Construction- 5 - 19.99 acres	\$1,400
Construction - 20 - 49.99 acres	\$2,400
Construction- 50 - 99.99 acres	\$3,200
Construction - 100 acres or more	\$4,000

Appro	oved By Drainage Board on
Jim N	ash

2. Clinton River Water Resource Recovery Facility

AGENDA

DRAINAGE BOARD FOR THE CLINTON RIVER WATER RESOURCE RECOVERY FACILITY DRAIN OPTIMIZATION PROJECT

June 27, 2023

- 1. Call meeting to order.
- 2. Approve minutes of meeting of May 23, 2023.
- 3. Public Comments
- 4. Offer and file proofs of publication and of mailing of notice of the hearing.
- 5. Open the hearing.
- 6. Receive written objections.
- 7. Ask for comments or objections from those present.
- 8. Close the hearing.
- 9. Adopt resolution to confirm apportionment and direct the Chairperson to issue a Final Order of Apportionment.
- 10. Chairperson execute Final Order of Apportionment and present it to the Board.
- 11. Motion to approve and file Final Order of Apportionment.
- 12. Present Memorandum from Razik Alsaigh, P.E., Civil Engineer III, dated June 27, 2023, requesting the Board receive and file the Total Project Cost of \$62,645,000 for the Drainage District's Optimization Phase 1 Project, based on available cost estimates prior to project bid results
- 13. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$544,054.71
- 14. Other Business.
- 15. Approve pro rata payment to Drainage Board members
- 16. Adjourn

MINUTES OF THE MEETING OF THE DRAINAGE BOARD CLINTON RIVER WATER RESOURCE RECOVERY FACILITY DRAIN OPTIMIZATION PROJECT

May 23, 2023

A meeting of the Drainage Board for the Clinton River Water Resource Recovery Facility Drain Optimization Project was held in Waterford, Michigan, on May 23, 2023.

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.

The meeting was called to order by the Chairperson. The minutes of the April 25, 2023 meeting of this Board were presented. It was moved by Markham and seconded by Woodward and unanimously adopted that the said minutes be approved as presented.

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

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

There were the following questions and objections: None.

There were the following written objections: None.

The Chairperson declared the hearing closed.

The following resolution was offered by 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 April 6, 2023, by the City of Auburn Hills, Oakland County, Michigan, and on April 12, 2023, by the Charter Township of Orion, 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 CLINTON RIVER WATER RESOURCE RECOVERY FACILITY DRAIN OPTIMIZATION 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 thereof, to-wit:

City of Auburn Hills Charter Township of Independence City of Lake Angelus Village of Lake Orion Charter Township of Oakland Charter Township of Orion Charter Township of Oxford Village of Oxford City of Pontiac City of Rochester City of Rochester City of Rochester Hills Charter Township of Waterford 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 May 23, 2023.

It was moved by Markham and seconded by Woodward that the Final Order of Determination, In Re Clinton River Water Resource Recovery Facility Drain Optimization 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 Chairperson presented plans and specifications for the Clinton River Water Resource Recovery Facility Drain Optimization Project previously prepared by registered professional engineers and on file with the Oakland County Water Resources Commissioner. After examination of said plans and specifications it was, on motion by Markham, seconded by Woodward:

RESOLVED, that said plans and specifications be and they hereby are received, adopted and approved and ordered filed with the Chairperson of this Board.

ADOPTED: Yeas - 3 Nays - 0

The Chairperson presented a route and course of the Clinton River Water Resource Recovery Facility Drain Optimization Project.

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

RESOLVED, that the following be approved and adopted as the route and course of the Clinton River Water Resource Recovery Facility Drain Optimization Project:

(See Attached Exhibit A)

ADOPTED: Yeas – 3 Nays – 0

The Chairperson presented a description of the area to be served by the drain project.

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

RESOLVED, that the following be designated as the area to be served by the drain project:

(See Attached Exhibit B)

ADOPTED: Yeas -3Nays -0

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

The Chairperson presented an estimate of the cost of the drain project, which estimate is in the aggregate amount of \$75,000,000.

Upon motion by Markham, seconded by Woodward, it was:

RESOLVED, that the estimate of cost of the drain project, in the amount of \$75,000,000, be and the same hereby is adopted, approved and accepted.

ADOPTED: Yeas - 3 Nays - 0

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

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

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

RESOLVED, as follows:

1. That this Board hereby tentatively establishes that the cost of the Clinton River Water Resource Recovery Facility Drain Optimization Project shall be apportioned against public corporations, as follows:

Public Corporation	Tentative Percentage of Cost
City of Auburn Hills	5.257%
Charter Township of Independence	4.090%
City of Lake Angelus	0.000%
Village of Lake Orion	0.570%
Charter Township of Oakland	1.315%
Charter Township of Orion	4.487%
Charter Township of Oxford	1.841%
Village of Oxford	0.572%
City of Pontiac	54.800%
City of Rochester	2.486%
City of Rochester Hills	10.242%
Charter Township of Waterford	11.198%
Charter Township of West Bloomfield	3.142%

2. That this Drainage Board shall meet on the 27th day of June 2023, at 2:00 p.m., prevailing Eastern Time, at 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.

to wit:

3.

That the notice of such hearing shall be in substantially the following form,

CITY OF AUBURN HILLS, CHARTER TOWNSHIP OF INDEPENDENCE, CITY OF LAKE ANGELUS, VILLAGE OF LAKE ORION, CHARTER TOWNSHIP OF OAKLAND, CHARTER TOWNSHIP OF ORION, CHARTER TOWNSHIP OF

OXFORD, VILLAGE OF OXFORD, CITY OF PONTIAC, CITY OF ROCHESTER, CITY OF ROCHESTER HILLS, CHARTER TOWNSHIP OF WATERFORD AND CHARTER TOWNSHIP OF WEST BLOOMFIELD COUNTY OF OAKLAND

CLINTON RIVER WATER RESOURCE RECOVERY FACILITY DRAIN OPTIMIZATION PROJECT

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

NOTICE IS HEREBY GIVEN, that the cost of the Clinton River Water Resource Recovery Facility Drain Optimization Project which consists of locating, establishing, studying, designing and constructing an intra-county drain project consisting of improving the Clinton River Water Resource Recovery Facility, an intra-county drain for the treatment of sanitary sewage located in the City of Pontiac, and all improvements necessary to bring the Clinton River Water Resource Recovery Facility into compliance with the Consent Judgment ordered by the Ingham County Circuit Court on July 24, 2009, between the City of Pontiac and the Michigan Department of Environmental Quality (subsequently renamed as the Michigan Department of Environment, Great Lakes, and Energy) with respect to the Clinton River Water Resource Recovery Facility, 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 Charter Township of Orion and the City of Auburn Hills with respect to the drain project, has been tentatively apportioned as follows, to wit:

Public Corporation	Tentative Percentage of Cost
City of Auburn Hills	5.257%
Charter Township of Independence	4.090%
City of Lake Angelus	0.000%
Village of Lake Orion	0.570%
Charter Township of Oakland	1.315%
Charter Township of Orion	4.487%
Charter Township of Oxford	1.841%
Village of Oxford	0.572%
City of Pontiac	54.800%
City of Rochester	2.486%
City of Rochester Hills	10.242%
Charter Township of Waterford	11.198%
Charter Township of West Bloomfield	3.142%

NOTICE IS FURTHER GIVEN, that the Drainage Board for the Clinton River Water Resource Recovery Facility Drain Optimization Project, will meet at 2:00p.m., prevailing Eastern Time, on the 27th day of June, 2023, 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 of the Clinton River Water Resource Recovery Facility Drain Optimization 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 \$75,000,000, 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 Clinton River Water Resource Recovery Facility Drain Optimization 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 Clinton River Water Resource Recovery Facility Drain Optimization Project.

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Jim Nash Chairperson of the Drainage Board for the Clinton River Water Resource Recovery Facility Drain Optimization 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 each of the City of Auburn Hills, the Charter Township of Independence, the City of Lake Angelus, the Village of Lake Orion, the Charter Township of Oakland, the Charter Township of Orion, the Charter Township of Oxford, the Village of Oxford, the City of Pontiac, the City of Rochester, the City of Rochester Hills, the Charter Township of Waterford, 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 -Nays -

A memorandum from Lesli Maes, Operations Engineer, dated May 23, 2023, requesting the Board approve a not-to-exceed budget of \$100,000 to address Lease F building improvements and authorize PM Environmental to proceed with the Sub-Slab Depressurization System Package was presented. It was moved by Markham, supported by Woodward, to approve a not-to-exceed budget of \$100,000 to address Lease F building improvements and authorize PM Environmental to proceed with the Sub-Slab Depressurization System Package as presented.

ADOPTED: Yeas – 3 Nays - 0

A memorandum from Jeffrey Parrott, Supervisor Right of Way, dated May 23, 2023, requesting the Board accept the Motor City Electric Co. offer to lease property and authorize the Chairperson to execute the lease on behalf of the Board was presented. It was moved by Markham, supported by Woodward, to accept the Motor City Electric Co. offer to lease property and authorize the Chairperson to execute the lease on behalf of the Board 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 \$868,536.73 (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 \$868,536.73.

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 -3Nays -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.

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Chairperson

Dated: May 23, 2023

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 Clinton River Water Resource Recovery Facility Drain Optimization Project, Oakland County, Michigan, held on May 23, 2023, 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

4869-2094-9082 v1 [9007-447]

AFFIDAVIT OF MAILING NOTICE OF MEETING TO HEAR OBJECTIONS TO APPORTIONMENT OF COST

RE: CLINTON RIVER WATER RESOURCE RECOVERY FACILITY DRAIN OPTIMIZATION PROJECT IN THE CITY OF AUBURN HILLS, CHARTER TOWNSHIP OF INDEPENDENCE, CITY OF LAKE ANGELUS, VILLAGE OF LAKE ORION, CHARTER TOWNSHIP OF OAKLAND, CHARTER TOWNSHIP OF ORION, CHARTER TOWNSHIP OF OXFORD, VILLAGE OF OXFORD, CITY OF PONTIAC, CITY OF ROCHESTER, CITY OF ROCHESTER HILLS, CHARTER TOWNSHIP OF WATERFORD AND CHARTER TOWNSHIP OF WEST BLOOMFIELD

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 May 30, 2023, by United States certified mail, return receipt requested, she mailed (at least 20 days before the hearing described) a copy of the attached Notice of Meeting Re: Clinton River Water Resource Recovery Facility Drain Optimization Project in the above-described communities with respect to the meeting to hear objections to apportionment of cost to be held on June 27, 2023 to the following persons:

• SEE ATTACHED SERVICE LIST

<u>Stephanie Lajdziak</u> Stephanie Lajdziak, Staff Assistant

Subscribed and sworn to before me on this 6^{th} day of June 2023

NOTARY PUBLIC, Oakland County, Michigan

BETTE J. TWYMAN NOTARY PUBLIC, STATE OF MI COUNTY OF OAKLAND MY COMMISSION EXPIRES May 30, 2024 ACTING IN COUNTY OF

- City of Auburn Hills Attn: Laura Pierce 1827 N. Squirrel Rd. Auburn Hills, MI 48326 Article No.:7018 2290 0002 1421 2858
- Charter Township of Independence Attn: Cari Neubeck
 6483 Waldon Center Dr. Clarkston, MI 48346 Article No.: 7018 2290 0002 1421 2865
- 3. City of Lake Angelus Attn: Sarah Razzaque
 45 Gallogly Rd. Lake Angelus, MI 48326 Article no.: 7018 2290 0002 1421 2872
- 4. Village of Lake Orion Attn: Susan Galeczka
 21 E. Church St. Lake Orion, MI 48362 Article No.: 7018 2290 0002 1421 2759
- Charter Township of Oakland Attn: Dave Mabry 4393 Collins Rd. Oakland Charter Twp., MI 48306 Article No. 7018 2290 0002 1421 2766
- 6. Charter Township of Orion Attn: Penny Shults
 2323 Joslyn Rd. Lake Orion, MI 48360 Article No. 7018 2290 0002 1421 2773
- 7. Charter Township of Oxford Attn: Curtis Wright
 300 Dunlap Rd. Oxford, MI 48371 Article No. 7018 2290 0002 1421 2780
- Village of Oxford Attn: Tere Onica 22 W. Burdick P.O. Box 94

Oxford, MI 48371 Article No: 7018 2290 0002 1421 2797

- 9. City of Pontiac Attn: Garland Doyle
 47450 Woodward Ave. Pontiac, MI 48342 Article No. 7018 2290 0002 1421 2803
- 10. City of Rochester Attn: Lee Ann O'Connor 400 Sixth St. Rochester, MI 48307 Article No. 7018 2290 0002 1421 2810
- 11. City of Rochester Hills Attn: Leanne Scott
 1000 Rochester Hills Dr. Rochester Hills, MI 48309 Article No. 7018 2290 0002 1421 2827
- 12. Charter Township of Waterford Attn: Kim Markee
 5200 Civic Center Dr. Waterford Twp., MI 48329 Article No. 7018 2290 0002 1421 2834
- 13. Charter Township of West Bloomfield Attn: Debbie Binder
 4550 Walnut Lake Rd.
 West Bloomfield, MI 48323
 Article No. 7018 2290 0002 1421 2841

CITY OFAUBURN HILLS, CHARTER TOWNSHIP OF INDEPENDENCE, CITY OF LAKE ANGELUS, VILLAGE OF LAKE ORION, CHARTER TOWNSHIP OF OAKLAND, CHARTER TOWNSHIP OF ORION, CHARTER TOWNSHIP OF OXFORD, VILLAGE OF OXFORD, CITY OF PONTIAC, CITY OF ROCHESTER, CITY OF ROCHESTER HILLS, CHARTER TOWNSHIP OF WATERFORD AND CHARTER TOWNSHIP OF WEST BLOOMFIELD

COUNTY OF OAKLAND

CLINTON RIVER WATER RESOURCE RECOVERY FACILITY DRAIN OPTIMIZATION PROJECT NOTICE OF MEETING TO HEAR OBJECTIONS TO APPORTIONMENT OF COST OF ABOVE INTRA-COUNTY DRAIN PROJECT

NOTICE IS HEREBY GIVEN, that the cost of the Clinton River Water Resource Recovery Facility Drain Optimization Project which consists of locating, establishing, studying, designing and constructing an intra-county drain project consisting of improving the Clinton River Water Resource Recovery Facility, an intra-county drain for the treatment of sanitary sewage located in the City of Pontiac, and all improvements necessary to bring the Clinton River Water Resource Recovery Facility into compliance with the Consent Judgment ordered by the Ingham County Circuit Court on July 24, 2009, between the City of Pontiac and the Michigan Department of Environmental Quality (subsequently renamed as the Michigan Department of Environment, Great Lakes, and Energy) with respect to the Clinton River Water Resource Recovery Facility, 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 Charter Township of Orion and the City of Auburn Hills with respect to the drain project, has been tentatively apportioned as follows, to wit:

Public Corporation	Tentative Percentage of Cost
City of Auburn Hills	5.257%
Charter Township of Independence	4.090%
City of Lake Angelus	0.000%
Village of Lake Orion	0.570%
Charter Township of Oakland	1.315%
Charter Township of Orion	4.487%
Charter Township of Oxford	1.841%
Village of Oxford	0.572%
City of Pontiac	54.800%
City of Rochester	2.486%
City of Rochester Hills	10.242%
Charter Township of Waterford	11.198%
Charter Township of West Bloomfield	3.142%

NOTICE IS FURTHER GIVEN, that the Drainage Board for the Clinton River Water Resource Recovery Facility Drain Optimization Project, will meet at 2:00 p.m., prevailing Eastern Time, on the 27th day of <u>June</u>, 2023, 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 of the Clinton River Water Resource Recovery Facility Drain Optimization 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 \$75,000,000, 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 Clinton River Water Resource Recovery Facility Drain Optimization 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 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 Clinton River Water Resource Recovery Facility Drain Optimization Project.

Jim Nash Chairperson of the Drainage Board for the Clinton River Water Resource Recovery Facility Drain Optimization Project; Oakland County Water Resources Commissioner

MINUTES OF MEETING OF THE DRAINAGE BOARD FOR THE CLINTON RIVER WATER RESOURCE RECOVERY FACILITY DRAIN OPTIMIZATION PROJECT

June 27, 2023

At a meeting of the Drainage Board for the Clinton River Water Resource Recovery Facility Drain Optimization Project held in Waterford, Michigan, on the 27th day of June, 2023.

PRESENT:

ABSENT:

The meeting was called to order by the Chairperson.

The Chairperson presented the minutes of the meeting of this Board held on May 23, 2023. 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 of the Clinton River Water Resource Recovery Facility Drain Optimization Project as tentatively adopted by this Drainage Board on May 23, 2023 and as set forth in the notice of this hearing. The Chairperson presented affidavits of the publication and mailing of the notice of this hearing.

The Chairperson inquired if any public corporation to be assessed or any taxpayer thereof desired to object to the tentative apportionment of the cost of the Clinton River Water Resource Recovery Facility Drain Optimization Project as set forth in the resolution of this Board adopted May 23, 2023 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 Clinton River Water Resource Recovery Facility Drain Optimization Project, on the 23rd day of May, 2023, tentatively established an apportionment of the cost of the Clinton River Water Resource Recovery Facility Drain Optimization Project, to be borne by the several public corporations, as follows:

City of Auburn Hills	5.257%
Charter Township of Independence	4.090%
City of Lake Angelus	0.000%
Village of Lake Orion	0.570%
Charter Township of Oakland	1.315%
Charter Township of Orion	4.487%
Charter Township of Oxford	1.841%
Village of Oxford	0.572%
City of Pontiac	54.800%
City of Rochester	2.486%
City of Rochester Hills	10.242%
Charter Township of Waterford	11.198%
Charter Township of West Bloomfield	3.142%

; and

WHEREAS, after due notice the Drainage Board met on the 27th day of June, 2023 to hear any objections to the apportionment; and

WHEREAS, the apportionment of the cost of the Clinton River Water Resource Recovery Facility Drain Optimization 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 Clinton River Water Resource Recovery Facility Drain Optimization Project necessary;

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

WHEREAS, the Clinton River Water Resource Recovery Facility Drain Optimization Project is necessary for the public health.

NOW, THEREFORE, BE IT RESOLVED BY THE DRAINAGE BOARD FOR THE CLINTON RIVER WATER RESOURCE RECOVERY FACILITY DRAIN OPTIMIZATION PROJECT:

1. That the apportionment of cost 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 June 27, 2023.

It was moved by ______ and seconded by ______ that the Final Order of Apportionment In Re Clinton River Water Resource Recovery Facility Drain Optimization Project, dated June 27, 2023, be approved and filed with the Chairperson. ADOPTED: Yeas --

Nays --

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

Chairperson

June 27, 2023

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 Clinton River Water Resource Recovery Facility Drain Optimization Project, Oakland County, Michigan, held on June 27, 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 notice of the meeting was given in accordance with the Michigan Drain Code and the Open Meetings Act.

Chairperson of the Drainage Board

Dated: June 27, 2023

4856-6870-9479 v1 [9007-447]

FINAL ORDER OF APPORTIONMENT

IN RE

CLINTON RIVER WATER RESOURCE RECOVERY FACILITY DRAIN OPTIMIZATION PROJECT

In accordance with a resolution adopted by the Drainage Board for the Clinton River Water Resource Recovery Facility Drain Optimization Project on the 27th day of June, 2023, the apportionment of the cost of the Clinton River Water Resource Recovery Facility Drain Optimization Project to be borne by the several public corporations is as follows:

C'tra of Assistant II'lla	5 2570/
City of Auburn Hills	5.257%
Charter Township of Independence	4.090%
City of Lake Angelus	0.000%
Village of Lake Orion	0.570%
Charter Township of Oakland	1.315%
Charter Township of Orion	4.487%
Charter Township of Oxford	1.841%
Village of Oxford	0.572%
City of Pontiac	54.800%
City of Rochester	2.486%
City of Rochester Hills	10.242%
Charter Township of Waterford	11.198%
Charter Township of West Bloomfield	3.142%
•	$1\overline{00.000\%}$

DRAINAGE BOARD FOR THE CLINTON RIVER WATER RESOURCE RECOVERY FACILITY DRAIN OPTIMIZATION PROJECT

By

Chairperson

Dated: June 27, 2023

Filed: June 27, 2023

4881-7048-0743 v1 [9007-447]

MEMORANDUM

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

FROM: Razik Alsaigh, P.E., Civil Engineer III

SUBJECT: CRWRRF Optimization Project – Phase I Project Estimate

DATE: June 27, 2023

At its November 15, 2022 meeting, the Drainage Board for the Clinton River Water Resource Recovery Facility Drainage District authorized the award of the CRWRRF Optimization Project design to Jacobs Consultant, Inc. Three months later, on February 28, 2023, the Board authorized the award of the CRWRRF Optimization Project Construction Manager at Risk to Walsh Construction Group.

Since then, Walsh developed construction cost estimates based on design documents that exceeded the initial anticipated project cost. The initial project was addressed in two parts. The first part was intended to deal with the electrical components while the second part is focused on improvement of the treatment capabilities of the secondary clarifiers. Accordingly, the Optimization Project is being separated into two phases. The CRWRRF Optimization Project Phase I is going out for bids this summer, while Phase II will be temporarily suspended. Phase I of the project consists primarily of:

- New 15 kV medium voltage switchgear to replace existing old switchgear, currently residing in the 100-year flood plain.
- Construction of a new electrical building at the north end of the property to accommodate the new switchgear.
- The installation of two backup 1,500 kW generators to consolidate emergency generators at the plant.
- The installation of two 600 kW power and heat generators called "Cogen" units.
- Electrical improvement to the East Boulevard Plant.

Now, that the Phase I project design is complete, the current total project cost for the CRWRRF Optimization Phase I Project is \$62,645,000. This amount is based on Walsh's latest construction cost estimate and other costs needed to complete the project as detailed in the attached document.

Requested Action : Receive and file the Total Project Cost of \$62,645,000 for the CRWRRF Optimization Phase I Project, based on available cost estimates prior to project bid results.

OAKLAND COUNTY WATER RESOURCES COMMISSIONER	
CAREARD COORT WATER RECORDED COMMISSIONER	
Page 1 of 1	Rev.: 11/05/08

CRWRRF Optimization - Phase I Project Estimate of Probable Project Cost 6/16/2023

1) CONTRACTED SERVICES - CONSTRUCTION

•,		<u>\$ 47,285,955</u> \$ 47,285,955
2)	CONTRACTED SERVICES - PROJECT DEVELOPMENT Engineering - Consulting Engineer (ENGCON) Preliminary/Study Phase Design & Bidding Phase (Jacobs) Construction Administration Resident Project Representive (RPR) Geotechnical Exploration CMAR Pre-Construction Phase (Walsh) Design & Bidding Phase (JMK) Design Investigation (Mersino) Project Scheduler Construction Material Testing Subtotal - Contracted Services - Project Development	\$ - \$ 3,692,354 \$ 1,551,813 \$ 1,855,905 \$ - \$ 333,771 \$ 80,265 \$ 23,328 \$ 240,000 \$ 175,000 \$ 7,952,436
3)	LEGAL AND FINANCIAL (Examples) Easements (TBD Project Basis) Legal Costs (2% to 20%) Depends if 342 is needed & ROW use higher range Legal Contractual Assistance (DW) Financial Consultant (For Bond Sale Only) TBD Michigan Department of Treasury Bond Advertisement Bond Counsel (Bond Issue Only) TBD OCIP Insurance Official Statement (Bond Issues only) Roughly \$40,000 Wetland Mitigation (If needed)	\$ - \$ 99,511 \$ 42,417 \$ 1,100 \$ 2,500 \$ 93,680 \$ 1,757,669 \$ - \$ - \$ 1,996,877
4)	EASEMENTS Temp Easement- N/A Land Purchase/Appraisals- N/A Subtotal - Easements	<mark>\$ -</mark> \$ -
4)	COUNTY SERVICES Administration (ADM) Engineering (ENG) Permits Fees (ENG) Right-of-Way (ROW) Inspection (INS) Surveying (SUR) Subtotal - County Services	\$ 8,000 \$ 1,636,000 \$ 1,020 \$ - \$ 201,000 \$ 19,000 \$ 1,865,020
6)	SUBTOTAL	\$ 59,100,288
	Contingency (6% of Total Project Cost)	<u>\$ 3,546,017</u>
7)	ESTIMATE OF PROJECT COST	<u>\$ 62.646.305</u>
	VALUE FOR BUDGETING	\$ 62,645,000

Prepared by: <u>Razik Alsaigh, PE</u>

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 Strong Strong Strong Strong

DATE: June 27, 2023

SUBJECT: Request for Approval of Invoices

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

Devolution To	Ref			
Payable To	No.	For		Amount
	V # SINV00185679	Invoice # 609810-SP-026 - Material and Supplies	\$	12,039.28
CleanNet of Greater Michigan, Inc	V # SINV00179688	Invoice # DET0105527 - Contracted Services - June 2023		1,601.38
CSM Mechanical LLC	V # SINV00189869	Invoice # 22-435.4 - Contracted Services		17,213.18
D3W Industries	V # SINV00187332	Invoice # 3864 - Material and Supplies		5,720.00
D3W Industries	V # SINV00189868	Invoice # 3876 - Material and Supplies		5,720.00
Eurofins Environment Testing America	V # SINV00189865	Invoice # 1900052882 - Laboratory Fees		2,786.20
Gamalski Building Specialties Inc	V # SINV00188221	Invoice # 161763 - Material and Supplies		3,500.00
Haviland Products Company	V # SINV00184538	Invoice # 471798 - Chemical Treatment		6,051.00
Haviland Products Company	TBP	Invoice # 471797 - Chemical Treatment		2,389.10
Jones Chemicals Inc	V # SINV00184539	Invoice # 913173 - Chemical Treatment		6,927.13
Jones Chemicals Inc	V # SINV00184541	Invoice # 913382 - Chemical Treatment		2,358.22
Jones Chemicals Inc	V # SINV00186249	Invoice # 914318 - Chemical Treatment		6,920.66
Jones Chemicals Inc	V # SINV00189864	Invoice # 915356 - Chemical Treatment		7,087.15
Jones Chemicals Inc	TBP	Invoice # 915623 - Chemical Treatment		3,480.20
Paragon Laboratories	V # SINV00186270	Invoice # 104420-233639 - Lab Fees		1,222.00
PVS Technologies Inc	V # SINV00184554	Invoice # 333987 - Chemical Treatment		5,154.68
PVS Technologies Inc	V # SINV00186297	Invoice # 334350 - Chemical Treatment		2,168.76
PVS Technologies Inc	V # SINV00187339	Invoice # 334973 - Chemical Treatment		4,300.32
PVS Technologies Inc	V # SINV00188227	Invoice # 335250 - Chemical Treatment		4,023.80
Southeast Michigan Council of Governments	V # SINV00188728	Invoice # INV00930 - SEMCOG Membership Dues - 2021		4,215.56
Southeast Michigan Council of Governments	V # SINV00188730	Invoice # INV01359 - SEMCOG Membership Dues - 2022		4,215.56
Waste Management	V # SINV00187345	Invoice # 8684379-1714-9 Garbage & Rubbish Disposal		2,595,93
		Subtotal	\$	111,690.11
Jacobs Consultants, Inc	V # SINV00189874	Invoice # C6A21700-05 - Engineering Survey - Proj # 1-7239	\$	422,210.70
JMK Engineering Inc	V # SINV00189872	Invoice # 1516 - Professional Services - 05/31/23 - Proj # 1-7239		3,179.00
		Subtotal - Project 1-7239	\$	425,389.70
Fishbeck	V # SINV00189855	Invoice # 424302 - Engineering Services - 06/09/23 - Proj # 1-3042	\$	904.90
		Subtotal - Project 1-3042	\$	904.90
Tetra Tech, Inc	V # SINV00189876	Invoice # 52081416 - Project Construction - 5/26/23	\$	6 070 00
and a second s		Subtotal - Project 1-3304		6,070.00
		Subiotal - Project 1-3304	Ψ	6,070.00
		Total	\$	544,054.71

3. Northwest Oakland Sanitary Sewer Drain

AGENDA

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

June 27, 2023

- 1. Call meeting to order.
- 2. Approve minutes of meeting of May 23, 2023.
- 3. Public Comments
- 4. Offer and file proofs of publication and of mailing of notice of hearing on necessity.
- 5. Open the hearing on necessity.
- 6. Ask for any written objections.
- 7. Ask for comments or objections from those present.
- 8. Close the hearing.
- 9. Adopt resolution approving petition and drain project and directing issuance of Final Order of Determination.
- 10. Chairperson executes Final Order of Determination and presents it to Board.
- 11. Adopt resolution to accept and file Final Order of Determination.
- 12. Adopt resolution approving plans and specifications for drain project.
- 13. Adopt resolution approving route and course of drain.
- 14. Adopt resolution designating area to be served by drain project.
- 15. Adopt resolution approving estimate of cost of drain project (\$-0-).
- 16. Adopt resolution to:
 - A. Approve tentative apportionment of cost of drain project.

Village of Ortonville	22.8%
Township of Groveland	25.4%
Township of Holly	29.2%
Charter Township of Brandon	22.6%

B. Set hearing date on tentative apportionment.

- C. Approve the form of notice.
- D. Direct that notice be published.
- E. Direct that notice be mailed
- 17. Present the Kearsley Creek Interceptor Construction Agreement to receive and file
- 18. Present Memorandum from Jen Cook, P.E., Project Engineer and Sid Lockhart, P.E., Deputy and Special Project Manager, dated June 27, 2023, requesting the Board to receive and file the Project Update on the Request for Proposal for the Engineering Study for the Drainage District Project
- 19. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$7,939.50
- 20. Approve pro rata payment to Drainage Board Members
- 21. Other business.
- 12. Adjourn.

4862-8230-0762 v1 [9007-447],

DRAINAGE BOARD FOR THE NORTHWEST OAKLAND SANITARY SEWER DRAIN FIRST MEETING FOR NEW DRAIN PROJECT

MAY 23, 2023

The first meeting of the Drainage Board for the hereinafter mentioned Oakland County, Michigan drain project was held at the office of the Oakland County Water Resources Commissioner, Waterford, Michigan on May 23, 2023.

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.

The meeting was called to order by the Chairperson.

Minutes of the meeting held April 25, 2023, 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.

The Chairperson presented to the Drainage Board the petitions referred to in the following resolution, attached to which petitions was a certified copy of each resolution of the respective governing body of the public corporation signing the same, authorizing the execution of the respective petition. The Chairperson stated that the petitions with the attached resolutions were filed in his office on April 24, 2023, by the Village of Ortonville, on May 1, 2023, by the Township of Groveland, and on May 1, 2023, by the Charter Township of Brandon. After examination and consideration of the petitions, by unanimous consent, they were 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 HEREINAFTER MENTIONED OAKLAND COUNTY, MICHIGAN DRAIN PROJECT, as follows:

1. That this Drainage Board has considered the petitions and attached resolutions filed with the Oakland County Water Resources Commissioner on May 3, 2023 by the Village of Ortonville; on May 10, 2023 by the Township of Groveland; and on May 3, 2023 by the Charter Township of Brandon, which petitions are as follows:

2. That this Drainage Board determines that the sanitary wastewater to be carried by the proposed drain project originates in the County of Oakland only; and that the drain project is necessary for the public health.

3. That this Drainage Board tentatively determines that the petitions are sufficient; that the drain project proposed therein is practical; and that the following public corporations be assessed to pay the cost of the project to wit:

Village of Ortonville Township of Groveland Township of Holly Charter Township of Brandon

4. That the name "NORTHWEST OAKLAND SANITARY SEWER DRAIN" is hereby given to the drain project and the name "NORTHWEST OAKLAND SANITARY SEWER DRAIN DRAINAGE DISTRICT" is hereby confirmed for the drainage district therefor.

5. That this Drainage District shall meet on the 27th day of June 2023, at 2:00 p.m., prevailing Eastern Time at the Office of the Oakland County Water Resources Commissioner, Waterford, Michigan for the purpose of hearing any objections to the aforementioned drain project, to the petitions therefor, and to the matter of assessing the cost of the drain project to the public corporations above named.

6. That a notice of said meeting shall be prepared which notice shall contain the information required by the Drain Code and shall be published twice in The Oakland Press, a newspaper published in the County of Oakland, State of Michigan, the first publication to be not less than twenty (20) days prior to the time of the hearing.

7. That the notice shall be sent by registered or certified mail to each the Clerk of the Village of Ortonville, the Township of Groveland, the Township of Holly and the Charter

3

Township of Brandon, which mailing shall be made not less than twenty (20) days prior to the time of the hearing.

- ADOPTED: Yeas 3
 - Nays 0

A memorandum from Brian Coburn, P.E., Manager dated May 23, 2023, requesting the Board approve the agreement with Genesee County to purchase sewer capacity in the Kearsley Creek Interceptor as presented and authorize the Chairperson to execute the agreement after the \$10 million appropriation has been approved by Oakland County Board of Commissioners was presented. Motion by Markham, seconded by Woodward to approve the agreement with Genesee County to purchase sewer capacity in the Kearsley Creek Interceptor as presented and authorize the Chairperson to execute the agreement after the \$10 million appropriation has been approved by Oakland County Board of Commissioners 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 \$9,028.10 (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 \$9,028.10. ADOPTED: Yeas - 3

Motion by Woodward, seconded by Markham, that the Drain Board resolves that it is the intention of the Board that Oakland County Park and Recreation not be required to pay its future

Nays - 0

capital connection charges related to the Groveland Oaks County Park in consideration for the \$10 Million appropriation approved by the Oakland County Board of Commissioners for the benefit of the Drainage District.

ADOPTED: Yeas - 3

Nays - 0

Motion by Nash, seconded 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

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

Him has

Chairperson

May 23, 2023

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 Northwest Oakland Sanitary Sewer Drain, Oakland County, Michigan, held on May 23, 2023, 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.

Him has

Chairperson of the Drainage Board

Dated: May 23, 2022

4873-4206-8501 v2 [12840-435]

AFFIDAVIT OF MAILING NOTICE OF HEARING

RE: PETITIONS TO LOCATE, ESTABLISH AND CONSTRUCT AN INTRA-COUNTY DRAIN PROJECT IN THE TOWNSHIP OF HOLLY, TOWNSHIP OF GROVELAND, VILLAGE OF ORTONVILLE, CHARTER TOWNSHIP OF BRANDON, 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 May 30, 2023 by United States certified mail, return receipt requested, she mailed (at least 20 days before the hearing described) a copy of the attached Notice of Hearing Re: Petitions to locate, establish and construct an intra-county drain project in the above-described communities with respect to the hearing to be held on June 27, 2023 to the following persons:

• SEE ATTACHED SERVICE LIST

<u>Stephanie Lajdziak</u> Stephanie Lajdziak, Staff Assistant

Subscribed and sworn to before me this 30th day of May 2023

NOTARY PUBLIC, Oakland County, Michigan

BETTE J. TWYMAN NOTARY PUBLIC, STATE OF MI COUNTY OF OAKLAND MY COMMISSION EXPIRES May 30, 2024 ACTING IN COUNTY OF Dallard Township of Holly Attn: Karin Winchester, Township Clerk 102 Civic Drive Holly, MI 48442

Article No.: 7018 2290 0002 1421 2919

 Township of Groveland Attn: Patti Back, Township Clerk 4695 Grange Hall Groveland Township, MI 48442

Article No.: 7018 2290 0002 1421 2896

3. Village of Ortonville Attn: Amber Wilson, Village Clerk 476 Mill Street P.O. Box 928 Ortonville, MI 48462

Article no.: 7018 2290 0002 1421 2889

4. Charter Township of Brandon Attn: Roselyn Blair, Township Clerk 395 Mill Street P.O. Box 929 Ortonville, MI 48462

Article No.: 7018 2290 0002 1421 2902

VILLAGE OF ORTONVILLE, TOWNSHIP OF GROVELAND, TOWNSHIP OF HOLLY, CHARTER TOWNSHIP OF BRANDON COUNTY OF OAKLAND

NOTICE OF HEARING

RE: PETITIONS TO LOCATE, ESTABLISH AND CONSTRUCT AN INTRA-COUNTY DRAIN PROJECT IN THE VILLAGE OF ORTONVILLE, TOWNSHIP OF GROVELAND, TOWNSHIP OF HOLLY, CHARTER TOWNSHIP OF BRANDON, OAKLAND COUNTY, MICHIGAN.

NOTICE IS HEREBY GIVEN, that pursuant to the provisions of Chapter 20 of Act No. 40 of the Public Acts of 1956, as amended, petitions were filed with the Water Resources Commissioner of Oakland County, Michigan, petitioning for the location, establishment and construction of an intra-county drain project consisting of improvements to the Northwest Oakland Sanitary Sewer Drain to extend sanitary sever service from the Oakland County, Michigan border with Genesee County, Michigan to serve certain properties located within the Village of Ortonville, Groveland Township, Holly Township, and Brandon Township.

NOTICE IS FURTHER GIVEN, that the Drainage Board for the drain project has considered the petitions and has made a tentative determination that the petitions are sufficient and that the drain project is practical; has given the name "NORTHWEST OAKLAND SANITARY SEWER DRAIN" as the name of the drain project and contimining the name "NORTHWEST OAKLAND SANITARY SEWER DRAINAGE DISTRICT" as the name of the drainage district therefor; and has made a tentative determination that the following public corporations should be assessed for the cost of the drain project, to wit

Village of Ortonville Township of Groveland Township of Holly Charter Township of Brandon

NOTICE IS FURTHER GIVEN, that the Drainage Board will meet on the 27th day of June, 2023, at 2.00 p.m., prevailing Eastern Time, at the Office of the Oakland County Water Resources Commissioner, One Public Works Drive, Waterford, Michigan, for the purpose of hearing any objections to the drain project, to the petitions therefor, and to the matter of assessing the cost thereof to the public corporations above named. This notice is given to and for the benefit of the said public corporations and all taxpayers thereof. At the hearing any of said public corporations or any taxpayer thereof will be entitled to be heard.

NOTICE IS FURTHER GIVEN, that after such hearing the Drainage Board shall make a determination as to the sufficiency of the petitions, the practicability of the drain project, whether the drain project should be constructed, and if so, the public corporations to be assessed and shall issue an order known as the Final Order of Determination. Section 483 of Act No. 40 of the Public Acts of 1956, as amended, provides that the Final Order of Determination shall not be subject to attack in any court, except by proceedings in certiorari brought within 20 days after the order is tiled in the Office of the Oakland County Water Resources Commissioner, the Chairperson of the Drainage Board for the Northwest Oakland Sanitary Sewer Drain, and that if no such proceeding shall be brought within said 20 day period the drain project shall not thereafter be questioned in any suit at law or in equity, eitheron jurisdictional or non-jurisdictional grounds.

This notice is given by order of the Drainage Board for the Northwest Oakland Sanitary Sewer Drain.

yim han

Jim Nash Chairperson of the Drainage Board for the Northwest Oakland Sanitary Sewer Drain; Oakland County Water Resources Commissioner

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

June 27, 2023

A meeting of the Drainage Board for the Northwest Oakland Sanitary Sewer Drain was held in Waterford, Michigan, on June 27, 2023.

PRESENT:

ABSENT:

The meeting was called to order by the Chairperson. The minutes of the May 23, 2023 meeting of this Board were presented. It was moved by ______ and seconded by ______ and seconded by ______ 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 _____ and seconded by

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 April 24, 2023, by the Village of Ortonville, on May 1, 2023, by the Township of Groveland, and on May 1, 2023, by the Charter Township of Brandon, 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 NORTHWEST OAKLAND SANITARY SEWER DRAIN, as follows:

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

Village of Ortonville Township of Groveland Township of Holly Charter Township of Brandon

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 -

Nays -

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 June _____, 2023.

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

ADOPTED: Yeas -

Nays -

The Chairperson presented plans and specifications for the Northwest Oakland Sanitary Sewer Drain previously prepared by registered professional engineers and on file with the Oakland County Water Resources Commissioner. After examination of said plans and specifications it was, on motion by ______, seconded by _____: RESOLVED, that said plans and specifications be and they hereby are received, adopted and approved and ordered filed with the Chairperson of this Board.

ADOPTED: Yeas -Nays -

The Chairperson presented a route and course of the Northwest Oakland Sanitary Sewer Drain.

The following resolution was offered by ______ and seconded by ______

RESOLVED, that the following be approved and adopted as the route and course of the Northwest Oakland Sanitary Sewer Drain:

(See Attached Exhibit A)

ADOPTED: Yeas –

Nays -

The Chairperson presented a description of the area to be served by the drain project.

The following resolution was offered by ______ and seconded by ______

RESOLVED, that the following be designated as the area to be served by the drain project:

(See Attached Exhibit B)

ADOPTED: Yeas – Nays –

The following resolution was offered by ______ and seconded by ______:

The Chairperson presented an estimate of the cost of the drain project, which estimate is in the aggregate amount of \$-0-

Upon motion by _____, seconded by ____, it was:

RESOLVED, that the estimate of cost of the drain project, in the amount of \$-0-, be and the same hereby is adopted, approved and accepted.

ADOPTED: Yeas -Nays - The following resolution was offered by and seconded by :

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

The following resolution was offered by ______ and seconded by

.

RESOLVED, as follows:

1. That this Board hereby tentatively establishes that the cost of the Northwest Oakland Sanitary Sewer Drain, if any, shall be apportioned against public corporations, as follows:

Public Corporation	Tentative Percentage of Cost
Village of Ortonville	22.8%
Township of Groveland	25.4%
Township of Holly	29.2%
Charter Township of Brandon	_22.6%

2. That this Drainage Board shall meet on the ____ day of July, 2023, at 2:00 p.m., prevailing Eastern Time, at 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.

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

to wit:

VILLAGE OF ORTONVILLE; TOWNSHIP OF GROVELAND; TOWNSHIP OF HOLLY; CHARTER TOWNSHIP OF BRANDON COUNTY OF OAKLAND

NORTHWEST OAKLAND SANITARY SEWER DRAIN NOTICE OF MEETING TO HEAR OBJECTIONS TO APPORTIONMENT OF COST OF ABOVE INTRA-COUNTY DRAIN PROJECT

NOTICE IS HEREBY GIVEN, that the cost of the Northwest Oakland Sanitary Sewer Drain which consists of locating, establishing and constructing an intra-county drain project consisting of improvements to the Northwest Oakland Sanitary Sewer Drain to extend sanitary sewer service from the Oakland County, Michigan border with Genesee County, Michigan to serve certain properties located within the Village of Ortonville, Groveland Township, Holly Township, and Brandon Township, all as more fully set forth in the petition filed by the Village of Ortonville, the Township of Groveland, and the Charter Township of Brandon with respect to the drain project, has been tentatively apportioned as follows, to wit:

Public Corporation	Tentative Percentage of Cost
Village of Ortonville	22.8%
Township of Groveland	25.4%
Township of Holly	29.2%
Charter Township of Brandon	_22.6%

NOTICE IS FURTHER GIVEN, that the Drainage Board for the Northwest Oakland Sanitary Sewer Drain, will meet at 2:00 p.m., prevailing Eastern Time, on the _____ day of July, 2023, 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 of the Northwest Oakland Sanitary Sewer Drain 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 Northwest Oakland Sanitary Sewer Drain, 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 Northwest Oakland Sanitary Sewer Drain.

> Jim Nash Chairperson of the Drainage Board for the

Northwest Oakland Sanitary Sewer Drain; 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 each of the Village of Ortonville, Township of Groveland, Township of Holly, Charter Township of Brandon, 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 -Nays -

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

Chairperson

Dated: June __, 2023

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 Northwest Oakland Sanitary Sewer Drain, Oakland County, Michigan, held on June 27, 2023, 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

4860-3575-8187 v1 [12840-435]

FINAL ORDER OF DETERMINATION

IN RE

NORTHWEST OAKLAND SANITARY SEWER DRAIN

WHEREAS, pursuant to the provisions of Chapter 20 of Act No. 40, Public Acts of Michigan, 1956, as amended, petitions were filed with the Oakland County Water Resources Commissioner on April 24, 2023, by the Village of Ortonville, Oakland County, Michigan, on May 1, 2023, by the Township of Groveland, Oakland County, Michigan, and on May 1, 2023, by the Charter Township of Brandon, Oakland County, Michigan, petitioning for the following drain project as necessary for the public health, to-wit:

The location, establishment and construction of an intra-county drain project consisting of improvements to the Northwest Oakland Sanitary Sewer Drain to extend sanitary sewer service from the Oakland County, Michigan border with Genesee County, Michigan to serve certain properties located within the Village of Ortonville, Groveland Township, Holly Township, and Brandon Township.

WHEREAS, the necessary proceedings have been taken in respect to the petition, including the holding of a hearing for the purpose of receiving any objections to the proposed drain project, to the petition therefor and to the matter of assessing the cost to the public corporations designated by this Board;

THEREFORE, the Drainage Board for the Northwest Oakland Sanitary Sewer Drain issues this order making the following determinations in accordance with a resolution adopted by it on June 27, 2023, to-wit:

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

Village of Ortonville Township of Groveland Township of Holly Charter Township of Brandon

> DRAINAGE BOARD FOR THE NORTHWEST OAKLAND SANITARY SEWER DRAIN

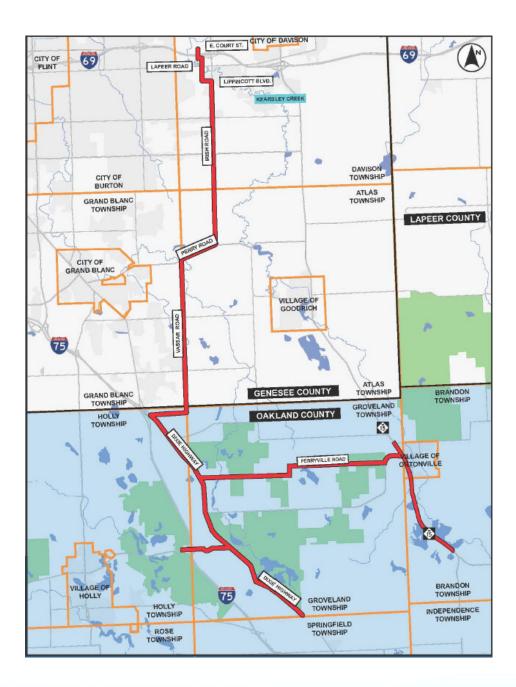
By:____

Chairperson

Dated: June 27, 2023 Filed: June 27, 2023 4880-4915-5179 v1 [12840-435]

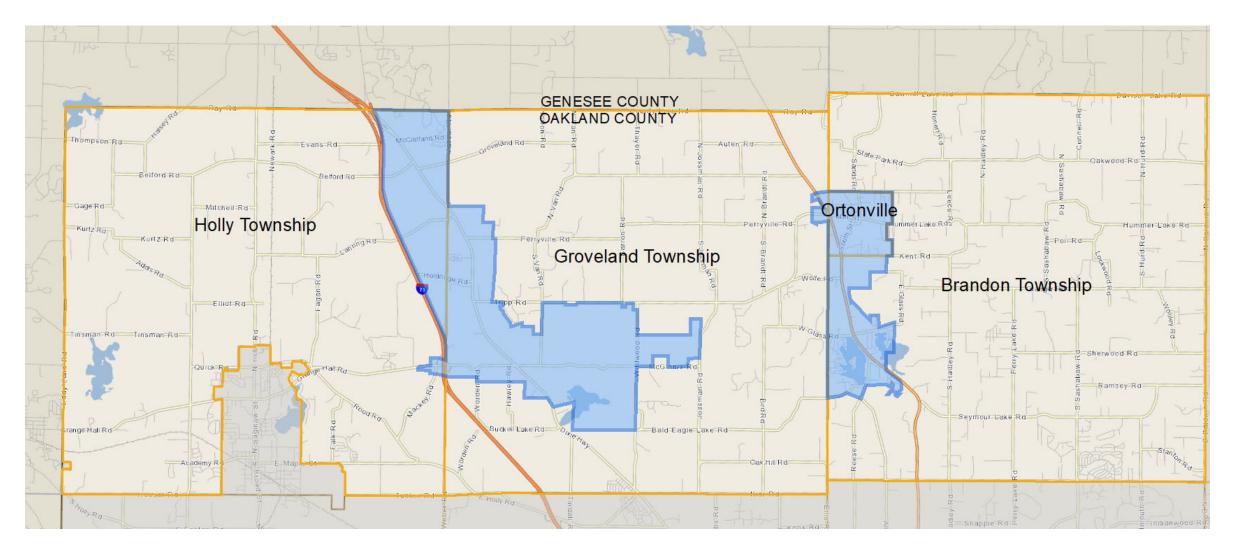


ROUTE AND COURSE OF NORTHWEST OAKLAND SANITARY DRAIN

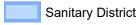


SERVICE AREA MAP

NORTHWEST OAKLAND SANITARY DRAIN



Legend



NW Oakland Sanitary Drain Communities

GENESEE COUNTY DRAIN COMMISSIONER'S OFFICE



- DIVISION OF -WATER & WASTE SERVICES G-4610 BEECHER ROAD - FLINT, MICHIGAN 48532-2617 PHONE (810) 732-7870 - FAX (810) 732-9773

JEFFREY WRIGHT COMMISSIONER

June 13, 2023

Mr. Brian Coburn, PE, Manager Water Resources Commission One Public Works Drive Building 95 West Waterford, MI 48328

Re: Kearsley Creek Interceptor Construction Agreement

Dear Mr. Coburn:

Enclosed please find a fully executed copy of the Kearsley Creek Interceptor Construction Agreement for your use.

I will be forwarding a draft copy of the Operating Agreement in the next few weeks.

In the interim, should you have any questions, please do not hesitate to contact this office.

Sincerely,

John F. O'Brien, PE, BCEE, Director Division of Water & Waste Services

JFO/JMW Enclosure cc: Matthew T. Raysin, PE, Assistant Director-Engineering Karl Kramer, Division Finance Officer



KEARSLEY CREEK INTERCEPTOR CONSTRUCTION AGREEMENT

This **KEARSLEY CREEK INTERCEPTOR CONSTRUCTION AGREEMENT** ("Agreement"), effective as of the *County* of *County* o

WHEREAS, Act 342 provides that a county board of commissioners of a county may authorize and direct that there be established a system or systems of water, sewer, or sewage disposal improvements and services within or between cities, villages, townships, charter townships, or any duly authorized and established combinations thereof, within or without the county, and to enter into contracts with drainage districts established under Chapter 20 of the Drain Code; and

WHEREAS, the Board of Commissioners (formerly the Board of Supervisors) of the County, by resolution adopted on October 8, 1961 ("Resolution"), authorized and directed that there be established, pursuant to Act 342, a system of sewer and sewage disposal improvements and services (designated therein as "Genesee County Sanitary Sewage Disposal System No. 1," and sometimes referred to herein as the "System") to provide sewers and sewage disposal improvements and services to units of government (as defined in Act 342), as approved from time to time by the Board of Commissioners; and

WHEREAS, pursuant to the Resolution, the County Agency has been designated as the "county agency" of the County under the provisions of Act 342 in connection with the establishment of the System and as the person to have supervision and control of the management and operation of the System; and

WHEREAS, the NW Oakland District was established pursuant to Chapter 20 of the Drain Code and is authorized by Section 471 of the Drain Code to contract with any public corporation, including, but not limited to, the County; and

WHEREAS, the NW Oakland District service area includes portions of the Township of Holly, the Charter Township of Brandon, the Township of Groveland, and the Village of Ortonville, each located in Oakland County, Michigan, as more particularly described herein ("NW Oakland District Service Area"); and

WHEREAS, the NW Oakland District has requested that the County acquire and construct an extension to the System, to be known as the Genesee County Kearsley Creek Interceptor ("KCI"), for the purpose of transporting sewage flow from the NW Oakland District Service Area to the County's Anthony Ragnone Treatment Plant ("ARTP") for treatment and disposal, all as more particularly described herein; and WHEREAS, the Charter Township of Grand Blanc, the Charter Township of Davison, the Village of Goodrich and the Township of Atlas, each a unit of local government located in the County (collectively, the "Genesee Municipalities"), will purchase additional units of capacity in the KCI for the transportation and disposal of sewage flow originating in the Genesee Municipalities pursuant to contracts to be entered into by and among the County, acting through the County Agency, and the Genesee Municipalities; and

WHEREAS, the County Agency has caused to be prepared maps, plans, designs, specifications and an estimate of cost of the KCI, and has caused the same to be filed with the Board of Commissioners of the County; and

WHEREAS, the County and the NW Oakland District desire to set forth the terms and conditions upon which the County, acting through the County Agency, will acquire and construct the KCI for the transportation of sewage flow from the service area of the NW Oakland District for treatment and disposal at the ARTP.

NOW, THEREFORE, THE COUNTY OF GENESEE, ACTING THROUGH THE COUNTY AGENCY, AND THE DRAINAGE BOARD FOR THE NORTHWEST OAKLAND SANITARY DRAIN DRAINAGE DISTRICT, MUTUALLY AGREE AS FOLLOWS:

1. Acquisition and Construction of the KCI; Service Area. The County will acquire and construct, pursuant to the provisions of Act 342, and as otherwise provided by law, the sewer and sewage disposal system improvements shown and described in **Exhibit A** attached ("Improvements and sometimes referred to herein as the 'Project'"). The improvements to be acquired and constructed pursuant to this Agreement shall comprise and be designated as the "Genesee County Kearsley Creek Interceptor" ("KCI"). The KCI will be designed and constructed as an extension of the System, which will transport sewage flow from the service area of the NW Oakland District described in **Exhibit B** ("NW Oakland District Service Area"), and from the Genesee Municipalities, to the ARTP for treatment and disposal.

2. <u>Construction; Plans and Specifications</u>. Subject to the terms of this Agreement, the KCI will be acquired and constructed by the County substantially in accordance with the preliminary plans which have been secured by the County Agency, and in accordance with the final plans to be secured by the County Agency, but variations therefrom which do not materially change the location, capacity, or overall design of the KCI shall be permitted by the County Agency if, in its reasonable judgment, circumstances so warrant.

3. <u>NW Oakland District Service Area Local Collection System</u>. The KCI is to serve the NW Oakland District and not the individual property owners located in the NW Oakland District Service Area, unless an exception shall be made by the County Agency by special written agreement between the County Agency and the NW Oakland District. The NW Oakland District Service Area, area from which sewage is to be transported and disposed, shall not be enlarged or extended into new or additional territories without the prior written approval of the County. NW Oakland District may modify its service area but cannot change the area subject to this Agreement without the written approval of the County. The NW Oakland District Service Area and for transporting the same to the sanitary sewage interceptors of the KCI. The acquisition, construction, financing, operation and maintenance of all collecting sewers and sewage disposal improvements necessary to transport sewage flow from the NW Oakland District Service Area to the sanitary sewage interceptors of the KCI shall be the sole responsibility of the NW Oakland District, and the County shall have no responsibility therefor.

4. <u>Capacity</u>; <u>Maximum Flow</u>. The Main Interceptor and Pumping Stations and Branches (as those terms area described and depicted in the preliminary plans) of the KCI are designed to accept a maximum rate of flow in cubic feet per second ("cfs") from the NW Oakland District and from each of the Genesee Municipalities as set forth in Section 6 hereof. Except as provided in Section 11(b) of this Agreement, the NW Oakland District and each of the Genesee Municipalities will be limited to the specific maximum rate of flow specified in Section 6 hereof.

5. <u>Estimated Cost of the KCI</u>. The estimated total cost of the KCI Improvements, as established by the County's consulting engineers, Rowe Professional Services Company (the "Consulting Engineers"), is \$35,090,000, which includes both design and construction, and said estimate of Cost is approved by the NW Oakland District and Genesee Municipalities. As used in this Agreement, the term "Cost" is defined as follows: the total cost of the physical structures, the acquisition of property for sites and rights-of-way, permits, labor and materials necessary to acquire and construct the improvements comprising the KCI, engineering and legal fees, administration expenses during the period of construction, reasonable and customary contingencies, and other reasonable costs incidental to the acquisition and construction of the KCI Improvements.

6. <u>Allocation and Payment of Cost of the KCI</u>. The cost of the KCI Improvements shall be allocated among the NW Oakland District and the Genesee Municipalities in accordance with the percentages set forth in the following table under the heading, "Allocable Percent Share of the KCI Cost." The following table also sets forth the respective capacity rights of the NW Oakland District and each of the Genesee Municipalities in the KCI, measured in residential equivalent units ("REUs"), and the corresponding maximum rate of flow (measured in cfs) of the NW Oakland District and each of the Genesee Municipalities.

Entity	Allocable Percent Share of KCI Cost	Residential Equivalent Units
NW Oakland District	28.50	4,092
Atlas Township	5.57	800
Charter Township of Davison	6.97	1,000
Charter Township of Grand Blanc	42.63	6,121
Village of Goodrich	2.09	300
Genesee Reserve Capacity	14.24	2,044
TOTAL	100%	14,357

The County will reserve 2,044 REUs "Reserve Capacity" upon completion of the Project. NW Oakland District has the right of first refusal to acquire some or all of the Reserve Capacity. The cost for the Reserve Capacity shall be calculated as the total Project cost (\$35,090,000) divided

by the total number of REUs (14,357), which in this case is \$2,444.10 per REU. The County shall offer the units first to the NW Oakland District in writing. The NW Oakland District has sixty (60) days to determine if it will exercise their claim to the units. After NW Oakland District's response, or sixty (60) days has lapsed, the County may convey or allocate any of the Reserve Capacity to any other entity, including, but not limited to, a Genesee Municipality. The NW Oakland District's declination of its right of first refusal to some of the Reserve Capacity does not waive its right of first refusal to the remainder of the Reserve Capacity. If the NW Oakland District selects to exercise its claim on the units under consideration, it has One Hundred Twenty (120) days to purchase the units from the County.

7. <u>Final Plans and Specifications; Bidding and Contracting</u>. After execution of this Agreement by the Parties, the County Agency shall complete or cause the following to be completed:

- (a) Direct the Consulting Engineers to prepare final plans and specifications for the KCI Improvements.
- (b) Take bids for the construction of the KCI Improvements from responsible bidders.
- (c) After receipt of bids for construction of the KCI Improvements, and before the final award of any construction contracts, provide the NW Oakland District with (i) a detailed summary of bids received, (ii) the total estimated Cost of the construction of the KCI Improvements, taking into account the as-bid contract prices of the lowest responsible bidders, and (iii) the NW Oakland District's share of the Cost of the KCI Improvements, which for the NW Oakland District is fixed at \$10,000,000 (the "Total NW Oakland District Cost").

8. <u>Payment of Total NW Oakland District Cost</u>. Within sixty (60) days of receipt of the information described in Section 7(c) of this Agreement, the NW Oakland District shall pay, or cause to be paid, to the County, the Total NW Oakland District Cost. All funds received by the County pursuant to this Section 8 for the payment of the Total NW Oakland District Cost shall be maintained by the County Agency, or by the Treasurer of the County, as a separate account, and shall be applied by the County solely to the payment of the Cost of the acquisition and construction of the KCI Improvements. Following receipt of payment in full by the NW Oakland District of the Total NW Oakland District Cost, the County Agency shall proceed to make a final award of construction contracts for the KCI, negotiate and enter into construction contracts, apply for any necessary permits and right-of-way not yet obtained, and proceed with the acquisition and construction of the KCI Improvements. The County Agency shall not be obligated to make any final award of contracts for construction of the KCI, or to enter into any construction contracts, until such time as the NW Oakland District has paid the total NW Oakland District Cost as provided in this Section 8.

9. <u>Cost Overruns; Cost Savings.</u>

- (a) For the NW Oakland District, the Total NW Oakland District Cost is fixed at \$10,000,000. Therefore, in the case of a cost overrun, the number of REUs and percent capacity assigned to NW Oakland District would be reduced using newly calculated cost per REU. The method described in Section 6 shall be used to calculate the newly calculated cost per REU.
- (b) If, upon final completion of the acquisition and construction of the KCI Improvements and the payment of all Costs in connection therewith, there remain any surplus funds for the acquisition and construction of the KCI Improvements from the funding sources as provided in Section 6 or Section 9(a) of this Agreement due to cost savings or otherwise ("Construction Surplus"), the total amount of the Construction Surplus shall be allocated and credited to the NW Oakland District and each of the Genesee Municipalities in the same allocation proportion in Section 6 of this Agreement. The County shall, within sixty (60) days of the County Agency's final accounting of the amount of any Construction Surplus, remit the NW Oakland District's proportionate share of the Construction Surplus (if any) to or upon order of the NW Oakland District.

10. <u>Operation and Use of the KCI</u>. Before, and as a condition of, making any connection to the KCI, the NW Oakland District shall enter into a mutually acceptable sewer use and operating agreement (the "Operating Agreement") with the County, acting through the County Agency, which will establish the agreement of the Parties relative to the use and operation of the KCI and the fees and charges to be assessed against the NW Oakland District for use of the sewage transport and disposal services furnished by the KCI and the ARTP. The Operating Agreement will, among other things, contain provisions governing:

- (a) Connections to the KCI during or after completion of construction of the KCI, which shall be made by the NW Oakland District at its own expense, after first securing a permit therefor from the County Agency, which permit shall not be unreasonable withheld.
- (b) The character of sewage flow discharged to the KCI, which shall be subject to the County Agency's standards and regulations, including regulations governing the discharge of industrial and/or commercial type wastes.
- (c) The operation, maintenance and calibration of a master meter through which all sewage discharge originating in the NW Oakland District Service Area must flow ("Master Meter"). The NW Oakland District's charges for the transportation and treatment of sewage flow from the NW District Service Area, as described in Section 10(d) below, shall be based on the Master Meter readings. The NW Oakland District shall have reasonable access to the Master Meter data, including, but not limited to, an exclusive split data signal feed. The Master Meter is included in the Cost of the KCI and will be installed and owned by the County. No final

connection to the KCI shall be made by the NW Oakland District prior to the installation of the Master Meter.

- (d) Payment by the NW Oakland District of monthly or quarterly service charges established from time to time by the County Agency for the transportation and treatment of sewage flow from the NW Oakland District Service Area. Such charges shall be calculated upon the basis of metered sewage flow from the NW Oakland District Service Area using such reasonable means as the County Agency may determine, without unjust enrichment. The rates and charges to be established from to time by the County Agency and assessed against the NW Oakland District and the Genesee Municipalities will be sufficient to provide for (i) the costs of operating and maintaining the KCI and the treatment and disposal of sewage flow at the ARTP received by the ARTP from the KCI, and (ii) the establishment and maintenance of reserve funds in such amounts as may be reasonably determined by the County Agency for the maintenance, repair and replacement of the physical assets of the KCI and of the ARTP.
- (e) Payment by the NW Oakland District of the applicable County Capital Improvement Fee ("CCIF") for each connection to the KCI. The KCI is connected to, and is an extension of, the Northeast Extension Sewer Interceptor ("NEES"). The County Agency has established a CCIF for each direct or indirect connection to the NEES. The NW Oakland District shall pay to the County Agency a CCIF for each connection to be made to the KCI in accordance with the CCIF methodology established by the County Agency for connections to the NEES, which methodology shall be set forth in the Operating Agreement.
- (f) Late payment charges for failure by the NW Oakland District to make payment of any charges provided by the Operating Agreement when due, which shall accrue on all past due amounts at the rate of one-half of one percent (1/2 of 1%) for each month or fraction thereof that the same remains unpaid after the due date, unless there is good faith dispute pursuant to the dispute resolution provisions of the Operating Agreement.
- 11. Project Completion; Assignment of Capacity Rights.
- (a) Upon completion of the acquisition and construction of the KCI, the connection of the NW Oakland District to the KCI and the KCI accepting sewage flow from the NW Oakland District, and the execution by the Parties of the Operating Agreement pursuant to Section 10 hereof, the County will, subject to the terms of this Agreement and the Operating Agreement, accept for transportation and treatment the sewage flow from the NW Oakland District Service Area; provided, however, that the NW Oakland District will be limited to the specific maximum rate of flow specified Section 6 of this Agreement. Except as otherwise provided in Section 11(b) of this Agreement, after such maximum rate of flow has been reached by the NW Oakland District (which maximum flow rate shall be defined in the Operating

Agreement), the County is not required to allow any new lateral sewer of the NW Oakland District to be connected to the KCI, or to any sewer connected directly or indirectly to the sanitary sewer systems served by the ARTP where such lateral sewer is for the delivery of sewage to be transported by the KCI and treated by the ARTP.

(b) The NW Oakland District may, by separate agreement with one or more of the Genesee Municipalities, assign any part of its allocated maximum rate of flow as measured in cfs in the KCI, as provided in this Agreement, to one or more of the Genesee Municipalities, or accept an assignment from one or more of the Genesee Municipalities of part of its allocated maximum rate of flow in the KCI, upon such terms as may be agreed upon, and in each case subject to the written approval of the County Agency, which approval shall not be unreasonably withheld. No assignment of capacity rights as provided in this Section 11(b) shall in any way affect, change or in any way diminish the obligations of the NW Oakland District as set forth in this Agreement.

12. <u>Governing Law</u>. This Agreement is made and entered into in the state of Michigan and shall be interpreted, enforced, and governed under the laws of the state of Michigan. The language of this Agreement is intended to be construed as a whole according to its fair meaning and not construed strictly for or against any Party.

13. <u>Lawsuits and Claims</u>. The Parties agree that each must bear all the costs (direct or indirect) and expenses of any lawsuits, disputes, or claims of any kind arising directly or indirectly out of this Agreement.

14. <u>Third Party Beneficiaries</u>. There are no intended third party beneficiaries to this Agreement.

15. <u>Governmental Function</u>. This Agreement does not, and is not intended to, impair, divest, delegate, or contravene any constitutional, statutory, or other legal right, privilege power, obligation, duty, or immunity of the Parties. The obligations in this Agreement are in the exercise or discharge of a governmental function.

16. <u>Notices</u>. Notice of a legal nature shall be sent by certified first class mail, return receipt requested or by personal delivery as follows:

County and County Agency:	Jeff Wright Genesee County Drain Commissioner G-4610 Beecher Rd. Flint, Michigan 48532
NW Oakland District:	Jim Nash Oakland County Water Resources Commissioner One Public Works Drive, Building 95-West Waterford, Michigan 48328

All Notices shall be considered delivered to a Party on the date of receipt as represented by the return receipt or by proof of personal service. Any Notice given must be signed by an authorized representative.

17. Entire Agreement, Amendment, Counterparts, and Enforceability. This Agreement sets forth the entire understanding of the Parties concerning its subject matter. The terms and conditions are contractual and not mere recital. This Agreement may be amended only by a writing executed by all Parties with persons with legal authority to bind the respective Party. This Agreement may be executed in several counterparts, each of which shall be considered an original, but all of which shall constitute one and the same instrument. The exhibits and the recital and whereas provisions of this Agreement are considered an integral part of this Agreement. If any provision of this Agreement is judicially determined to be invalid or unenforceable, the remainder of this Agreement (other than those found to be invalid or unenforceable) is not affected and is enforceable, provided that the invalid or unenforceable provision does not substantially alter the Agreement or make execution impractical.

18. <u>Successor and Assigns</u>. This Agreement is binding on, and for the benefit of, the Parties and their respective their successors and assigns.

19. <u>Effective Date</u>. This Agreement shall become effective as of the date first written above.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed effective as of the date and year first above written.

In the presence of:

In the presence of:

FO'BREA

By _____ Jeffrey Wright Genesee County Drain Commissioner

NORTHWEST OAKLAND SANITARY DRAIN DRAINAGE DISTRICT, a drainage district organized and existing under and pursuant to Chapter 20 of Act No. 40, Public Acts of Michigan 1956, as amended

By

Jim Nash, Chairperson Drainage Board for the Northwest Oakland Sanitary Drain Drainage District

COUNTY OF GENESEE, MICHIGAN, by and through its COUNTY AGENCY

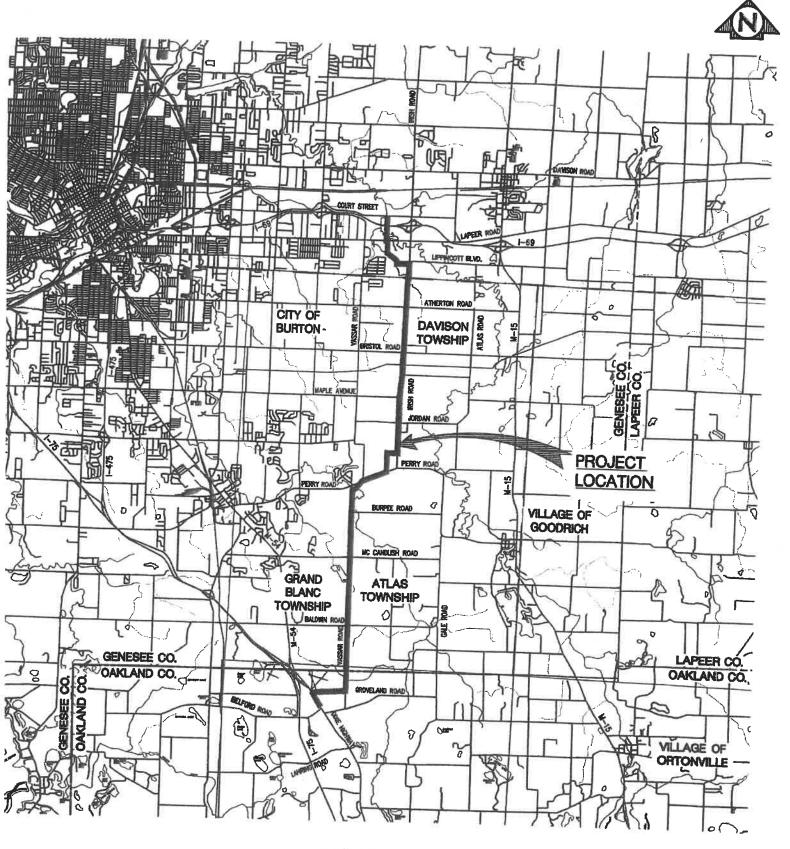
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EXHIBIT A

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KCI ROUTE

EXHIBIT A KCI PHASE 1

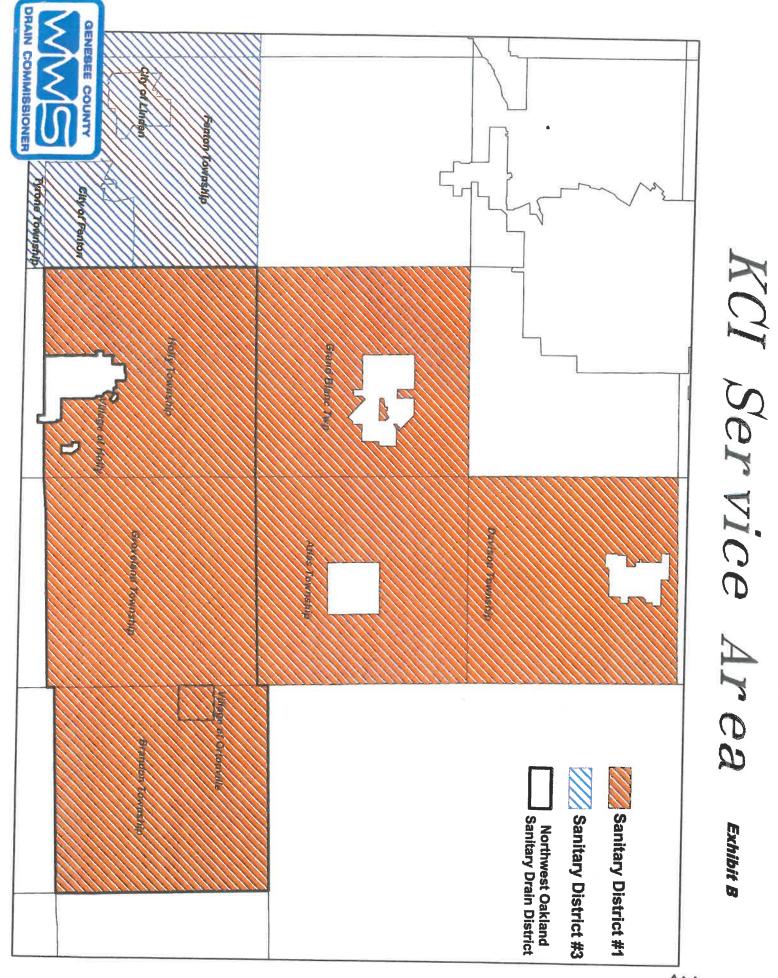


LOCATION MAP

EXHIBIT B

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KEARSLEY CREEK SERVICE AREA



OAKLAND COUNTY WATER RESOURCES COMMISSIONER

MEMORANDUM

TO:	Jim Nash, Chairperson Northwest Oakland Drain Drainage District
FROM:	Jen Cook, P.E., Project Engineer Sid Lockhart, P.E., Deputy and Special Project Manager
SUBJECT:	Engineering Study for Northwest Oakland Sanitary Drain Project Update
DATE:	June 27, 2023

The Northwest Oakland Drain Drainage District was created to connect portions of Holly Township, Groveland Township, Brandon Township as well as the Village of Ortonville. The Northwest Oakland Sanitary Drain will provide sanitary service for discrete areas of these municipalities along the commercial corridors and residential homes around Lake Louise and Bald Eagle Lake. The project will help protect the Flint River Watershed from the environmental hazards caused by failed septic systems. The project also will promote economic activity and protect public health and safety of those living in the region. The project is to be completed in three phases:

- Phase 1 involves the payment for the right to place sanitary flow to a sewer line of appropriate capacity into a Genesee County system that will be extended to the Oakland County and Genesee County line at an estimated cost of \$45 million. It will provide future capacity to serve the area and better protect the environment.
- Phase 2 involves the construction of a sewer extension along Dixie Highway and Grange Hall Road at an estimated cost of \$49 million. This Phase would immediately serve Holly and Groveland Townships and prepare for future services to Brandon Township and the Village of Ortonville.
- Phase 3 is to encompass an additional sewer extension along Perryville Road at an estimated cost of \$59 million. This extension would complete service to Brandon Township and the Village of Ortonville.

Last month, the Oakland County Board of Commissioners approved the appropriation of \$10 million for Phase 1 of the project to participate in the construction of Genesee County's project to acquire 28.5% of the capacity. The appropriation included \$250,000 from the General Fund and \$9.75 million in American Rescue Plan Act funds for the NW Oakland Sanitary Sewer Project.

The Drainage District received a Congressionally Funded Community Projects Grant from Congresswoman Elissa Slotkin's office in the amount of \$1.25 million. This grant requires a non-federal match of \$250,000, which was appropriated from the General Fund by the Board of Commissioners in May as part of Phase 1. The remaining\$1 million will be used to fund the scope of services in the Request for Qualifications (RFQ).

It is the intent of this office to have the RFQ for the Engineering Study for the Northwest Oakland Sanitary Sewer Drain Project prepared and solicited during July 2023. A Quality Based Selection process will be utilized whereby price or cost is not a selection criterion to recommend an engineering consultant firm for this work. A Recommendation for Award is anticipated to be presented to this Board in the fall of 2023.

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

OAKLAND COUNTY WATER RESOURCES COMMISSIONER	
Page 1 of 1	Rev.: 11/05/08

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

FROM:	Shawn Phelps, Chief of Fiscal Se	rvices		1	0
	OCWRC Accounting	A	For	SHAWN	THELPS

DATE: June 27, 2023

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

	Ref			
Date	No.	Paid To	For	Amount
6/16/2023	V # SINV00188689	Dickinson Wright PLLC	Invoice # 1816167 - Legal Services - 05/31/23 - Prj # 1-7076	\$ 7,939.50
			Total - Proj #1-7076	\$ 7,939.50

4. Acacia Park CSO

AGENDA

DRAINAGE BOARD FOR THE ACACIA PARK CSO DRAIN

June 27, 2023

- 1. Call meeting to order
- 2. Approve minutes of meeting of May 23, 2023
- 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 \$576.60
- 5. Other business
- 6. Approve pro rata payment to Drainage Board members
- 7. Adjourn

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

May 23, 2023

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 23rd day of May 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 April 25, 2023, 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 George Nichols, P.E., Civil Engineer III, dated May 23, 2023, requesting the Board approve the closed-circuit television (CCTV) program project in the amount of \$25,000 from the Major Maintenance reserves fund was presented. It was moved by Markham, supported by Woodward, to approve the closed-circuit television (CCTV) program project in the amount of \$25,000 from the Major Maintenance reserves fund as presented.

ADOPTED: Yeas - 3 Nays - 0

A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$1,153,770 for the Acacia Park CSO 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 \$1,153,770 as presented.

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$8,512.61 (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 \$8,512.61.

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.

Him ha

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 23rd day of May 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 Acacia Park CSO Drain Drainage District.

Jim Nash, Chairperson

Dated: May 23, 2023

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

FROM: Shawn Phelps, Chief of Fiscal Services Stractices Strates

DATE: June 27, 2023

SUBJECT: Request for Approval of Invoices

The following is a detail of Maintenance charges paid from the Drain Revolving Fund and Invoices for the period ending June 16, 2023

G/L Date	Ref No.	Paid To	5			
			For		A	Amount
	TBP	Hubbell Roth & Clark Inc	Invoice # 0207029 - Contracted Services - 5/27/23 - Proj 1-7086		\$	576.60
				Total	\$	576.60

5. Birmingham CSO

AGENDA

DRAINAGE BOARD FOR THE BIRMINGHAM CSO DRAIN

June 27, 2023

- 1. Call meeting to order
- 2. Approve minutes of meeting of May 23, 2023
- 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 \$9,875.76
- 5. Other business
- 6. Approve pro rata payment to Drainage Board members
- 7. Adjourn

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

May 23, 2023

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 23rd day of May 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 April 25, 2023, 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 George Nichols, P.E., Civil Engineer III, dated May 23, 2023, requesting the Board approve the closed-circuit television (CCTV) program project in the amount of \$30,000 from the Major Maintenance reserves fund was presented. It was moved by Markham, supported by Woodward, to approve the closed-circuit television (CCTV) program project in the amount of \$30,000 from the Major Maintenance reserves fund as presented.

ADOPTED: Yeas - 3 Nays - 0

A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$1,090,020 for the Birmingham CSO 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 \$1,090,020 as presented.

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$53,525.93 (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 \$53,525.93.

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.

Him ha

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 23rd day of May 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 Birmingham CSO Drain Drainage District.

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Jim Nash, Chairperson

Dated: May 23, 2023

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

FROM: Shawn Phelps, Chief of Fiscal Services Trace Straws Precess

DATE: June 27, 2023

SUBJECT: Request for Approval of Invoices

The following is a detail of Maintenance charges paid from the Drain Revolving Fund and Invoices for the period ending June 16, 2023

	Ref			
G/L Date	No.	Paid To	For	Amount
	TBP	Hubbell, Roth, & Clark, Inc	Invoice # 0207028 - Contracted Services - 05/27/23	\$ 673.20
			Subtotal Project # 1-7087	\$ 673.20
5/30/2023	V # SINV00184837	Sigma Associates Inc	Invoice #653.000 -0010034 - Contracted Services 3/26/23-04/29/23	\$ 925.64
6/22/2023	V # SINV00189875	Sigma Associates Inc	Invoice #653.000 -0010062 - Contracted Services 4/30/23-05/27/23	\$ 2,776.92
			Subtotal Project # 1-7272	\$ 3,702.56
6/14/2023	V # SINV00188223	Kennedy Industries Inc	Invoice # 636998 - Contracted Services	\$ 2,875.00
6/14/2023	V # SINV00188226	Kennedy Industries Inc	Invoice # 636999 - Contracted Services	2,625.00
			Subtotal Project # 1-7319	\$ 5,500.00
			Total	\$ 9,875.76

6. Bloomfield Village CSO

AGENDA

DRAINAGE BOARD FOR THE BLOOMFIELD VILLAGE CSO DRAIN

June 27, 2023

- 1. Call meeting to order
- 2. Approve minutes of meeting of May 23, 2023
- 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 \$4,735.11
- 5. Other business
- 6. Approve pro rata payment to Drainage Board members
- 7. Adjourn

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

May 23, 2023

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 23rd day of May 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 April 25, 2023, 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 George Nichols, P.E., Civil Engineer III, dated May 23, 2023, requesting the Board approve the closed-circuit television (CCTV) program, spot repairs, and pipe grouting projects in the amount of \$110,000 from the Major Maintenance reserves fund was presented. It was moved by Markham, supported by Woodward, to approve the closed-circuit television (CCTV) program, spot repairs, and pipe grouting projects in the amount of \$110,000 from the Major Maintenance reserves fund spresented.

ADOPTED: Yeas - 3 Nays - 0

A Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$1,943,690 for the Bloomfield Village CSO 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 \$1,943,690 as presented.

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$19,997.34 (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 \$19,997.34.

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.

Him has

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 23rd day of May 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 Bloomfield Village CSO Drain Drainage District.

Jim Nash, Chairperson

Dated: May 23, 2023

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

FROM: Shawn Phelps, Chief of Fiscal Services OCWRC Accounting

DATE: June 27, 2023

SUBJECT: Request for Approval of Invoices

The following is a detail of Maintenance charges paid from the Drain Revolving Fund and Invoices for the period ending June 16, 2023

	Ref				
G/L Date	No.	Paid To	For		Amount
5/26/2023	V # SINV00184236	Pro-Seal Service Group	Invoice #231757 - Material and Supplies		\$ 1,422.63
				Total	\$ 1,422.63
5/26/2023	V # SINV00184240	Detroit Pump & Mfg Co	Invoice # 1077302- Contracted Services		\$ 2,687.58
				Subtotal Project # 1-3551	\$ 2,687.58
	TBP	Hubbell Roth & Clark Inc	Invoice # 0207030- Contracted Services		\$ 624.90
				Subtotal Project # 1-7088	624.90
				Total	\$ 4,735.11

7. George W. Kuhn Drain

AGENDA

DRAINAGE BOARD FOR THE GEORGE W. KUHN DRAIN

June 27, 2023

- 1. Call meeting to order
- 2. Approve minutes of meeting of May 23, 2023
- 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 \$27,868.91
- 5. Other business
- 6. Approve pro rata payment to Drainage Board members
- 7. Adjourn

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

May 23, 2023

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 23rd day of May 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 April 25, 2023, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3 Nays - 0

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

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$58,334.04 (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 \$58,334.04.

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 23rd day of May 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 George W. Kuhn Drain Drainage District.

Jim Nash, Chairperson

Dated: May 23, 2023

МЕМО ТО:	Mr. Jim Nash, Chairman of the Drainage Board for the GEORGE W. KUHN DRAIN
FROM:	Shawn Phelps, Chief of Fiscal Services of Fraz Silow of Parales
DATE:	June 27, 2023
SUBJECT:	Request for Board approval of payment of the following invoices:

Payable To	Ref No.	For		Amount
	V # SINV00183073	Invoice # 2723 Contracted Services		2,499.00
ICS Integration Services LLC			\$	
Orchard Hiltz & McCliment Inc	V # SINV00188687	Invoice # 63557 - Professional Services - 05/20/23		1,682.50
Center for Watershed Protection	V # SINV00189513	Invoice # W-22-37 #4 - Contracted Services - 5/1/23/-5/31/23		2,883.75
		Subtotal	\$	7,065.25
Owen Tree Service	V # SINV00183582	Invoice # 1877447 - Contracted Services - Proj 1-3167	\$	1,750.00
		Project 1-3167	\$	1,750.00
ICS Integration Services LLC	V # SINV00182552	Invoice # 2722 Contracted Services - Proj 1-3408	\$	5,831.00
		Project 1-3408	\$	5,831.00
Hubbell Roth & Clark Inc	V # SINV00185729	Invoice # 0206382- Contracted Services - 04/29/23 - Proj 1-3484	\$	9,275.63
		Project 1-3484	\$	9,275.63
Hubbell Roth & Clark Inc	TBP	Invoice # 0207026 - Contracted Services - 05/27/23 - Proj 1-7089		2,394.30
Hubbell Roth & Clark Inc	TBP	Invoice # 0207027 - Contracted Services - 05/27/23 - Proj 1-7089		1,552.73
		Project 1-7089	\$	3,947.03

Total \$ 27,868.91

8. Evergreen-Farmington Sanitary Drain

AGENDA

DRAINAGE BOARD FOR THE EVERGREEN-FARMINGTON SANITARY DRAIN

June 27, 2023

- 1. Call meeting to order
- 2. Approve minutes of meeting of May 23, 2023
- 3. Public Comments
- 4. Present Change Order No. 3 for Pipeline Management Company for Construction of the S. Evergreen Interceptor Rehabilitation for a net decrease in the amount of \$507,123.00
- 5. Present Final Construction Estimate for Pipeline Management Company for the S. Evergreen Interceptor Rehabilitation for a final reserve payment to the contractor in the amount of \$98,848.53
- Present Construction Estimate No. 15 for Walsh Construction Company II, LLC for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$1,747,664.96 with a transfer to the Oakland County Treasurer in the amount of \$194,185.00
- 7. Present Construction Estimate No. 1 for Midwest Power Systems for the Construction of the Lathrup SRT in the amount of \$161,100.00 and a transfer to the Oakland County Treasurer in the amount of \$17,900.00
- 8. Present request for Board approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$9,205.12
- 9. Other business
- 10. Approve pro rata payment to Drainage Board members
- 11. Adjourn

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

May 23, 2023

A meeting of the Drainage Board for the Evergreen-Farmington Sanitary Drain was held in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan at 2:00 p.m. on the 23rd day of May 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 April 25, 2023, were presented for consideration. It was moved by Markham, supported by Woodward, that the minutes be approved.

ADOPTED: Yeas - 3 Nays - 0

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

A memorandum from Evans Bantios, P.E., Assistant Chief Engineer, dated May 23, 2023, requesting the Board approve the budget request for the design phase of the Walnut 1 Corrective Action Plan for \$450,000 was presented. It was moved by Markham, supported by Woodward, to approve the budget request for the design phase of the Walnut 1 Corrective Action Plan for \$450,000 as presented.

ADOPTED: Yeas - 3 Nays - 0

Construction Estimate No. 14 for Walsh Construction Company II, LLC for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$902,043.62 with a transfer to the Oakland County Treasurer in the amount of \$100,227.07 was presented. It was moved by Markham, supported by Woodward, to approve Construction Estimate No. 14 for Walsh Construction Company II, LLC for the 8 Mile Road Pump Station & SSO Chamber Improvements – Phase 1 in the amount of \$902,043.62 with a transfer to the Oakland County Treasurer in the amount of \$902,043.62 with a transfer to the Oakland County Treasurer in the amount of \$902,043.62 with a transfer to the Oakland County Treasurer in the amount of \$902,043.62 with a transfer to the Oakland County Treasurer in the amount of \$100,227.07 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 Mr. Woodward and Ms. Markham.

ADOPTED: Yeas - 3 Nays - 0

There being no further business, the meeting was adjourned.

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Jim Nash, Chairperson

STATE OF MICHIGAN))SS. COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Drainage Board for the Evergreen-Farmington Sanitary Drain, Oakland County, Michigan, held on the 23rd day of May 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 Evergreen-Farmington Sanitary Drain Drainage District.

Jim Nash, Chairperson

Dated: May 23, 2023

CHANGE ORDER NO. 3

Evergreen Farmington Sanitary Drain Drainage District Board For Construction of the S. Evergreen Interceptor Rehabilitation Beverly Hills, Birmingham & W. Bloomfield Township Oakland County, Michigan

Authorization for Extras To & Changes In Contract

Department No.: 6010101 Fund No.: 58410 Project No.: 1-2914

Account No. :	370373
Program No. :	149662
Project Activity:	FAC

Contractor:

Pipeline Management Company 2673 E. Maple Road Milford, MI 48381 Contract No. : CON9294 Date of Contract: 1/10/2022 Completion Date: 6/10/2022 Extended to: N/A

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
ЗA	LOCATION: Entire Project					
	DESCRIPTION:					
	Bid Item 5 - HMA Surface, Rem	Syd	-99.7	\$25.00		\$2,492.50
	Bid Item 6 - Interceptor, Manhole Reconstruct	Ea	-1.0	\$7,500.00		\$7,500.00
	Bid Item 8 - Bypass Pumping System, Pump Rental	days	-9.0	\$4,000.00		\$36,000.00
	Bid Item 9 - Bypass Pumping System, Pump Operation	days	-15.0	\$1,500.00		\$22,500.00
	Bid Item 12 - Interceptor Manhole Lining	Sft	341.4	\$80.00	\$27,312.00	
	Bid Item 13 - Concrete Repair, Prep and Patch	Ea	-3.0	\$1,500.00		\$4,500.00
	Bid Item 14 - Grouting System Setup, Joint (Incld. 4 Ports)	Ea	38.0	\$1,250.00	\$47,500.00	
	Bid Item 15 - Chemical Grout	Gal	-4078.0	\$25.00		\$101,950.00
	Bid Item 16 - Aggregate Base, 21AA, 8 Inch, Special	Syd	-99.7	\$25.00		\$2,492.50
	Bid Item 17 - HMA 5E3, Mod	Ton	-42.4	\$200.00		\$8,470.00
	Bid Item 19 - Permit Allowance Free	Lsum		\$15,000.00		\$13,500.00
	Bid Item 20 - Exploratory Excavation for Utilities	Vft	-10.0	\$600.00		\$6,000.00
	Bid Item 21 - Fracture Repair	Vft	-50.0	\$150.00		\$7,500.00
	Bid Item 22 - Reinforcement Repair	Ea	-20.0	\$1,750.00		\$35,000.00
	Bid Item 23 - Additional Grout Port	Ea	20.0	\$1.00	\$20.00	
	Bid Item 24 - Concrete Repair, Prep and Patch, Directed	Ea	15.0	\$1,200.00	\$18,000.00	

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
	Bid Item 25 - Chemical Grouting System Setup, Joint (Incl. 4 Ports), Directed Bid Item 26 - Chemical Grout, Directed Bid Item 27 - Cement Grout, Mobilization Bid Item 28 - Cement Grout, Demobilization Bid Item 29 - Cement Grout, Ports Bid Item 30 - Cement Grout Bid Item 31 - Spin-Cast Geopolymer Lining 54 inch Bid Item 32 - Allowance for Odor Control	Ea Gal Lsum Lsum Ea Cft Lft Lsum	-1.0 -50.0 -1600.0 -25.0	\$1,750.00 \$25.00 \$32,000.00 \$10,000.00 \$500.00 \$60.00 \$1,500.00 \$50,000.00	 	\$22,750.00 \$78,800.00 \$32,000.00 \$10,000.00 \$25,000.00 \$96,000.00 \$37,500.00 \$50,000.00
	REASON: Bid quantities have been adjusted to as-built quanties installed.					
				Totals	\$92,832.00	\$599,955.00
				Net		
				Decrease		\$507,123.00

CHANGE ORDER NO. 3

Evergreen Farmington Sanitary Drain Drainage District Board For Construction of the S. Evergreen Interceptor Rehabilitation Beverly Hills, Birmingham & W. Bloomfield Township Oakland, MI

Prepared by:	Evagelos Bantios	Date:	5/30/2023
	Evagelos Bantios, P.E Project Engineer		
Recommended by:	Digitally signed by Bradley Shepler DN: C=US, E=bshepler@hrcengr.com, O="Hubbell, Roth & Clark, Inc.", CN=Bradley Shepler Date: 2023.06.01 10:21:19-04'00'	Date:	6/01/2023
	Bradley W. Shepler, P.E Hubbell, Roth & Clark, Inc.		
Approved by:	Jef Bra	Date:	6/16/23
	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.



Approved by:

Sid Lockhart, P.E. - Special Projects Manager

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

This Change Order No. 3 was approved by the Drain board on:

Date: 6/20/2023

Jim Nash, Oakland County Water Resources Commissioner S. Evergreen Interceptor Rehabilitation Beverly Hills, Birmingham & W. Bloomfield Township Oakland County, Michigan

Final Construction Payment

Department No.: 6010101 Fund No.: 58410 Project No.: 1-2914	Account No.: 730373 Program No.: 149662 Activity: FAC			
Contractor: Pipeline Management Company, LLC 2673 E. Maple Road Milford, MI 48381		Account No.: Date of Contract: Completion Date: Extended to:	January 10, 2022 June 10, 2022	
Original Contract Amount:			\$1,854,000.00	
Previous Change Order Number: CO#1 & CO#2		\$122,970.50		
Change Order This Estimate: Final Balancing Change Order		(\$507,123.00)		
Total Net Change Orders:			(\$384,152.50)	
Adjusted Contract Amount:	V		\$1,469,847.50	
Final Sub-Total: (Sheet 3 of 3 Column 7)		\$1,469,847.50		
Less Deductions: (Sheet 3 of 3 Column 7)		\$-		
Gross Estimate: (Work in Place)	100.00%	\$1,469,847.50		
Less Amount Reserved:		\$0.00		
Final Amount Allowed:		\$1,469,847.50		
Less Previous Estimates:		\$1,370,998.97		
Final Payment Request To Be Paid To Contractor:			\$0.00	
Final Reserve Payment to Contractor			\$98,848.53	
Balance of Contract To Date	\$0.00	Accounting Auditor: B	CR 5/30/2023	
Amount To Be Reserved (From Above)	1	\$0.00		
Less Previous Transfers To Reserve: Amount of Current Transfer:	V	\$98,848.53	(\$98,848.53)	
Prepared hv: Evagelos Bantios		Deter	5/30/2023	
Prepared by: Competence Damage Damage Evagelos Bantios, P.E Pro	ject Engineer	Date.		
Recommended by: Bradley Shepler	epler engr.com, O="Hubbell, Roth & Clark, /'00'	Date:	6/01/2023	
Bradly W. Shepler, P.E Hubbell, Roth	n & Clark, Inc.			
Approved by: Jef Bran		Date:	6/16/23	
Joel Brown, P.E C	hief Engineer			
Approved For Payment:		Date:	6/20/2023	
Sid Lockhart, P.E Special Pro	oject ivianager			
Final Construction Payment		Approved By Board On:		
	NASH			

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OAKLAND COUNTY WATER RESOURCES COMMISSIONER		
Page 1 of 2	Rev. 12/10/12	

CONSTRUCTION ESTIMATE

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. 15	May 1, 2023 t	o May 31, 2023
Department No. : 6010101 Fund No. : 58410 Project No. : 1-3181	Account No. : Program No. : Activity : Vendor No. :	149667 FAC
Contractor : Walsh Construction Company II, LLC 3031 W Grand Blvd, Suite 640 Detroit, MI 48202	Contract No. : Date of Contract : Completion Date :	6628 2/2/2022
Original Contract Amount:		\$0.00
Previous Change Order Numbers: CO Nos. 1, 2, 3, 4, 5, 6, and 7.		\$50,177,000.25
Change Orders This Estimate Number:		
Total Net Change Orders:		\$50,177,000.25
Adjusted Contract Amount:		\$50,177,000.25
Subtotal To Date: (Sheet 2 of 3 Column 7)		\$4,881,865.39
Less Deductions to Date: (Sheet 2 of 3 Column 7)		\$0.00
Gross Estimate: (Work in Place) 9.73%		\$4,881,865.39
Less Amount Reserved: (10% of Gross Estimate)		\$488,186.54 🗸
Total Amount Allowed To Date:		\$4,393,678.85
Less Previous Estimates:		\$2,646,013.89
Net Payment Request To Be Paid To Contractor:		\$1,747,664.96
Reserve Payment to Contractor		\$0.00
Balance of Contract To Date 🖌 \$45,295,134.86	Accounting Auditor:	<u>BCR 6/6/2023</u>
Less Previous Transfers To Reserve:		\$294,001.54 🗸
Amount of Current Transfer:		\$194,185.00
Prepared by: Charles J. Roarty, Jr., P.E NTH Consultants	Date:	June 6, 2023
Recommended by: Joe Siwek, P.E Consulting Engineer (Fishbeck)	Date:	June 6, 2023
Recommended by: <u>Evagelos Bantios</u> Evagelos Bantios, P.E Project Engineer	Date:	6/6/2023
Approved by: Joel Brown, P.E Chief Engineer	Date:	6/16/23
Approved by:	Date:	6/20/2023
JIM NASH	pproved by Board on:	

OAKLAND COUNTY WATER RESOURCES COMMISSIONER

CONSTRUCTION ESTIMATE

Jim Nash, Oakland County Water Resources Commissioner Evergreen Farmington Sanitary Drain Drainage District For Construction of the Lathrup SRT Lathrup Village Oakland County, Michigan

Construction Estimate No. 1	4/19/2023 to 6/7/2023	
Department No. : 6010101 Fund No. : 58410 Project No. : 1-3433	Account No. : 730639 Program No. : 149667 Activity : FA C Vendor No. : 40564	
Contractor : Midwest Power Systems 2401 Hickory Oak Lane Milford, MI 48380	Contract No. : CON00010270 Date of Contract : 4/19/2023 Completion Date : 5/3/2024	
Original Contract Amount:	\$2,313,504.20	
Previous Change Order Numbers (none):	\$0.00	
Change Orders This Estimate Numbers (none):	\$0.00	
Total Net Change Orders:	\$0.00	
Adjusted Contract Amount:	\$2,313,504.20	
Subtotal To Date: (Sheet 2 of 2 Column 7)	\$179,000.00	
Less Deductions to Date: (Sheet 2 of 2 Column 7)	\$0.00	
Gross Estimate: (Work in Place) 7.74%	\$179,000.00	
Less Amount Reserved: (10% of Gross Estimate)	\$17,900.00	
Total Amount Allowed To Date:	\$161,100.00	
Less Previous Estimates:	\$0.00	
Net Payment Request To Be Paid To Contractor:	\$161,100.00	
Reserve Payment to Contractor	\$0.00	
Balance of Contract To Date \checkmark \$2,134,504.20	Accounting Auditor: BCR 6/15/2023	
Less Previous Transfers To Reserve:	\$0.00	
Amount of Current Transfer:	\$17,900.00	
Prepared by: <u><i>Evagelos Bantios</i></u>	Date: 6/15/2023	
Recommended by: John Bergsma Jr., P.E Consulting Engineer	Date: <u>6/15/2023</u>	
Approved by: Joel Brown, P.E Chief Engineer	Date: 6/15/23	
Approved by: Sid Lockhart, P.E Special Project Manager	Date: 6/20/2023	

Approved by Board on:

JIM NASH OAKLAND COUNTY WATER RESOURCES COMMISSIONER 1 of 2

- MEMO TO: Mr. Jim Nash, Chairman of the Drainage Board for the EVERGREEN - FARMINGTON SANITARY DRAIN SYSTEM
 - FROM: Shawn Phelps, Chief of Fiscal Services The For SHAWN RELEAS

DATE: June 27, 2023

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

Ref Date No. Paid To For Amount 6/15/2023 V # SINV00188687 Orchard Hiltz & McCliment Inc Invoice # 63557 - Contracted Services - 05/20/23 1,682.50 5/18/2023 V # SINV00182574 ICS Integration Services LLC Invoice # 2713 - Contracted Services 7,522.62 \$ Total 9,205.12

9. Henry-Graham Drain

AGENDA

DRAINAGE BOARD FOR THE HENRY-GRAHAM DRAIN

June 27, 2023

- 1. Call meeting to order
- 2. Approve minutes of meeting of February 28, 2023
- 3. Public Comments
- 4. Present Memorandum from Geoff Wilson, P.E. Chief Engineer, dated June 27, 2023, requesting the Board authorize DVM Utilities to preform work established in its proposal within existing contract CON00008744 for an amount not-to-exceed \$365,917.75 and approve \$504, 238 total project cost for Drainage District Maintenance Repairs for 2023
- 5. Present Maintenance Assessment Recommendation and Special Assessment Roll in the amount of \$504,238
- 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

February 28, 2022

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 11:00 a.m. on the 28th day of February 2022.

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 December 14, 2021, 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 Bennett, Civil Engineer III, dated February 22, 2022, requesting the Board to authorize the Chairperson to sign the Easement Use Agreement to accommodate John and Rebecca McClintock's request was presented. It was moved by Markham, supported by Woodward, to authorize the Chairperson to sign the Easement Use Agreement to accommodate John and Rebecca McClintock's request 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.

Him ha

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 Henry-Graham Drain, Oakland County, Michigan, held on the 28th day of February 2022, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

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

Him ha

Jim Nash, Chairperson

Dated: February 28, 2022

OAKLAND COUNTY WATER RESOURCES COMMISSIONER

MEMORANDUM

TO: Jim Nash - Chairperson of the Henry Graham Drain Drainage Board

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

SUBJECT: Henry Graham Maintenance Repairs 2023

DATE: June 27, 2023

The Henry Graham Drain was inspected in 2019 and requires maintenance. The enclosed storm drain consists of reinforced concrete pipe originally built in 1979 that primarily requires the sealing of leaking joints and repair of corroded reinforcing steel. A project scope was established, and pricing was received from multiple contractors with existing maintenance contracts with WRC. The total project estimate is based on the contractor pricing received in June 2023. The City of Troy and the City of Madison Heights have budgeted for these expenses and plan to pay the project cost through a single assessment in Summer 2023.

Requested Actions:

Authorize DVM Utilities to perform the work established in its proposal within existing contract CON00008744 for an amount not to exceed \$365,917.75.

Approve \$504,238 total project cost for Henry Graham Maintenance Repairs for 2023.

OAKLAND COUNTY WATER RESOURCES COMMISSIONER							
OARLAND COUNTT WATER RESOURCES COMMISSIONER							
Page 1 of 1	Rev.: 02/12/2018						
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Henry Graham Repairs 2023	Estimated	Unit of		
Location/Pay Items	Quantity	Measure	Unit Price	Item Total

N/A to ROT002003 (Asset ID 24044) - Grout

Circular, 27 In Diameter, 10' Long

Local system upstream of main. Grout: IR @ 2' U/S of ROT002003

Traffic Control: Close crossover per 310-SP-CROSS-C-NFW (sign both directions)

Chemical Grouting System Setup, Joint		1	Ea	\$5,000.00	\$5,000.00
Post Construction PACP CCTV	ίſ	10	Ft	\$28.50	\$285.00
Traffic Control	Í	1	Lump Sum	\$1,500.00	\$1,500.00

ROT002004 to ROT002003 (Asset ID 24046) - Grout

Circular, 60 In Diameter, 343' Long

Grout: IR @ 64'; ID @ 268' (lift hole) D/S of ROT002004

Traffic Control: 003 - Close cross over per 310-SP-CROSS-C-NFW (sign both directions).

004 - Work outside shoulder per 4000-M-SHL-OU.

Chemical Grouting System Setup, Joint

Chemical Grouting System Setup, Joint	2	Ea	\$2,000.00	\$4,000.00
Post Construction PACP CCTV	343	Ft	\$1.25	\$428.75
Traffic Control	1	Lump Sum	\$1,500.00	\$1,500.00

N/A to ROT002005 (Asset ID 24047) - Grout

Circular, 30 In Diameter, 10' Long

Local system upstream of main. Grout: IR @ 2' U/S of ROT002005

Traffic Control: 005 - Close cross over per 310-SP-CROSS-C-NFW (sign both directions)

Chemical Grouting System Setup, Joint		1	Ea	\$1,200.00	\$1,200.00
Post Construction PACP CCTV		10	Ft	\$28.50	\$285.00
Traffic Control	ľ	1	Lump Sum	\$1,000.00	\$1,000.00



Henry Graham Repairs 2023	Estimated	Unit of		
Location/Pay Items	Quantity	Measure	Unit Price	Item Total
ROT005001 to ROT002009 (Asset ID 24054) - Grout				
Circular, 60 In Diameter, 198.3' Long				
Grout: IR @ 8' D/S of ROT005001				
Traffic Control: 009 - Close lane per 123-NFW-1LC-R. *ROT005001 OR ROT008024 - Work				
outside shoulder per 4000-M-SHL-OU.				
Chemical Grouting System Setup, Joint	1	Ea	\$2,000.00	\$2,000.00
Post Construction PACP CCTV	198	Ft	\$1.50	\$297.00
Traffic Control	1	Lump Sum	\$1,000.00	\$1,000.00
Rectangular/Triple Box, 171x171, 155' Long Grout: IR @6'; IR @ 49'; IR @ 106' D/S of TRT143024BT Traffic Control: None for 035				
Chemical Grouting System Setup, Joint	3	Ea	\$2,300.00	\$6,900.00
Post Construction PACP CCTV	155	Ft	\$2.00	\$310.00
Traffic Control	1	Lump Sum	\$1,850.00	\$1,850.00
ROT002018 to ROT002027(BT) (Asset ID 24690) - Grout Circular, 36 In Diameter, 17' Long Grout: IR @ 12' D/S of ROT002018 Traffic Control: Minor Devices Only for 018				
Chemical Grouting System Setup, Joint	1	Ea	\$1,200.00	\$1,200.00
Post Construction PACP CCTV	17	Ft	\$17.00	\$289.00

1

Lump Sum

\$450.00

\$450.00

Traffic Control



Henry Graham Repairs 2023	Estimated	Unit of		
Location/Pay Items	Quantity	Measure	Unit Price	Item Total
ROT002026 to ROT002028 (Asset ID 24688 (24684)) - Grout				
Rectangular/Triple Box, 171x171, 1231' Long				
Grout: IR @ 43' D/S of ROT002026				
Traffic Control: Minor Devices Only for 026				
Chemical Grouting System Setup, Joint	1	Ea	\$2,700.00	\$2,700.00
Post Construction PACP CCTV	43	Ft	\$7.50	\$322.50
Traffic Control	1	Lump Sum	\$500.00	\$500.00

ROT003004 to ROT003003 (Asset ID 22676) - Grout

Circular, 48 In Diameter, 428' Long

Grout: IR @ 67'; IG @ 314' U/S of ROT003003

Traffic Control: 004 - Close right lane per 123-NFW-1LC-R. 003 - Work outside shoulder

per 4000-M-SHL-OU.

Chemical Grouting System Setup, Joint	Γ	2	Ea	\$2,000.00	\$4,000.00
Post Construction PACP CCTV		428	Ft	\$1.50	\$642.00
Traffic Control		1	Lump Sum	\$1,500.00	\$1,500.00

ROT005002 to ROT005001 (Asset ID 22711) - Grout

Circular, 36 In Diameter, 26' Long

Grout: HSV @ 15' D/S of ROT005002

Traffic Control: 002 - Close lane per 123-NFW-1LC-R (from east side of John R

intersection. Taper radius at NW side of John R + 14 Mile intersection). ROT005035* -

Work outside shoulder per 4000-M-SHL-OU.

Chemical Grouting System Setup, Joint	1	Ea	\$1,200.00	\$1,200.00
Post Construction PACP CCTV	26	Ft	\$11.00	\$286.00
Traffic Control	1	Lump Sum	\$900.00	\$900.00



Henry Graham Repairs 2023	Estimated	Unit of		
Location/Pay Items	Quantity	Measure	Unit Price	Item Total

ROT008019 to ROT008012 (Asset ID 22688) - Grout

Circular, 24 In Diameter, 195' Long

Grout: ID @ 18'; ID @ 65' D/S of ROT008019

Traffic Control: 019 - Close right lane per 123-NFW-1LC-R (intersection signing). 012 -

Work outside shoulder per 4000-M-SHL-OU

Chemical Grouting System Setup, Joint	2	Ea	\$1,200.00	\$2,400.00
Post Construction PACP CCTV	195	Ft	\$1.50	\$292.50
Traffic Control	1	Lump Sum	\$1,000.00	\$1,000.00

TRT100003 to TRT100002 (Asset ID 25846) - Grout

Square or Rectangular, 171x171, 466' Long

Grout: ID @ 151'; IR @ 212'; ID @ 343'; ID @ 398' D/S of TRT100003

Traffic Control: 002 - Work outside shoulder per 4000-M-SHL-OU. None for 003 (rear

yard).

Chemical Grouting System Setup, Joint	4	Ea	\$2,375.00	\$9,500.00
Post Construction PACP CCTV	466	Ft	\$1.50	\$699.00
Traffic Control	1	Lump Sum	\$500.00	\$500.00

TRT100005 to TRT100004 (Asset ID 25838) - Grout

Square or Rectangular, 171x171, 632' Long

Grout: ID (2) @ 31'; IR @ 150' D/S of TRT100005

Traffic Control: None for 005 (rear yard). None for 004 (rear yard).

Chemical Grouting System Setup, Joint	2	Ea	\$2,700.00	\$5,400.00
Post Construction PACP CCTV	632	Ft	\$1.50	\$948.00
Traffic Control	1	Lump Sum	\$250.00	\$250.00



Henry Graham Repairs 2023	Estimated	Unit of		
Location/Pay Items	Quantity	Measure	Unit Price	Item Total
TRT098063 to TRT100006 (Asset ID 25834) - Grout				

Square or Rectangular, 171x171, 607' Long

Grout: ID @ 241'; ID @ 278'; ID @ 337'; IR @ 465' D/S of TRT098063

Traffic Control: Minor devices only for 063. None for 006 (rear yard).

Chemical Grouting System Setup, Joint		4	Ea	\$2,400.00	\$9,600.00
Post Construction PACP CCTV	Г	607	Ft	\$1.50	\$910.50
Traffic Control		1	Lump Sum	\$500.00	\$500.00

TRT143013 to TRT143011 (Asset ID 25399) - Grout

Circular, 102 In Diameter, 542' Long

Grout: IR @ 139' D/S of TRT143013

Traffic Control: 013 - Close right lane per 123-NFW-1LC-R. 011 - Work outside shoulder

per 4000-M-SHL-OU.

Chemical Grouting System Setup, Joint		1	Ea	\$ 52,700.00	\$2,700.00
Post Construction PACP CCTV		542	Ft	\$ 51.75	\$948.50
Traffic Control	ΙΓ	1	Lump Sum	\$1,100.00	\$1,100.00

TRT143015 to TRT143014 (Asset ID 25408) - Grout

Circular, 102 In Diameter, 266' Long Grout: IR @ 47'; ID (lift hole) @ 133'; ID @ 161' U/S of TRT143014 Traffic Control: 014 - Close right lane per 123-NFW-1LC-R. ROT005013* - Close right lane

per 123-NFW-1LC-R.

Chemical Grouting System Setup, Joint	3	Ea	\$2,500.00	\$7,500.00
Post Construction PACP CCTV	542	Ft	\$1.75	\$948.50
Traffic Control	1	Lump Sum	\$1,800.00	\$1,800.00



Henry Graham Repairs 2023	Estimated	Unit of		
Location/Pay Items	Quantity	Measure	Unit Price	Item Total
TRT142003 to TRT143021 (Asset ID 25866) - Grout				
Square or Rectangular, 171x171, 692' Long				
Grout: IR/ID @406'; ID @ 457'; IR @ 585' D/S of TRT142003				

Traffic Control: None for 003 (access through basin). None for 024 (access through

basin).

Chemical Grouting System Setup, Joint	3	Ea	\$2,500.00	\$7,500.00
Post Construction PACP CCTV	692	Ft	\$1.50	\$1,038.00
Traffic Control	1	Lump Sum	\$550.00	\$550.00

TRT094016 to TRT144001 (Asset ID 26218) - Grout

Circular, 42 In Diameter, 10' Long

Local system upstream of main. Grout: IR @ 3'; IR @ 8' U/S of TRT094007

Traffic Control: None for 016 (access from Wattles via basin parcel).

Chemical Grouting System Setup, Joint	2	Ea	\$2,000.00	\$4,000.00
Post Construction PACP CCTV	10	Ft	\$33.00	\$330.00
Traffic Control	1	Lump Sum	\$475.00	\$475.00

TRT144004 to TRT144003 (Asset ID 25440) - Grout

Circular, 72 In Diameter, 363' Long

Grout: IR @ 111'; IR @ 142'; ID @ 218'; IR @ 292'; D/S TRT144004

Traffic Control: 004 - Close lane per 123-NFW-1LC-R. 003 - Work outside shoulder per

4000-M-SHL-OU.

Chemical Grouting System Setup, Joint	4	Ea	\$1,700.00	\$6,800.00
Post Construction PACP CCTV	363	Ft	\$1.75	\$635.25
Traffic Control	1	Lump Sum	\$2,250.00	\$2,250.00



Henry Graham Repairs 2023EstimatedUnit ofLocation/Pay ItemsQuantityMeasureUnit PriceItem TotalTRT144006 to TRT144004 (Asset ID 25437) - GroutCircular, 66 In Diameter, 284' LongEstimatedEstimated

Grout: IR @ 93'; IR @ 150' D/S of TRT144006

Traffic Control: 006 - Close lane per 123-NFW-1LC-R. Keep closed for 004.

Chemical Grouting System Setup, Joint		2	Ea	\$2,000.00	\$4,000.00
Post Construction PACP CCTV		284	Ft	\$2.25	\$639.00
Traffic Control	<u>ן</u> ן	1	Lump Sum	\$1,500.00	\$1,500.00

TRT144009 to TRT144006 (Asset ID 25432) - Grout

Circular, 66 In Diameter, 378' Long

Grout: IR @ 6'; ID @ 38'; IR@ 78'; ID@ 161'; IR@ 361' D/S of TRT144006

Traffic Control: 009 - Close lane per 123-NFW-1LC-R. Keep closed for 006.

Chemical Grouting System Setup, Joint	5	Ea	\$2,450.00	\$12,250.00
Post Construction PACP CCTV	378	Ft	\$1.75	\$661.50
Traffic Control	1	Lump Sum	\$2,450.00	\$2,450.00

TRT144014 to TRT144011 (Asset ID 25425) - Grout/Deposits

Circular, 54 In Diameter, 434' Long

Grout: IR @ 343' D/S of TRT144014. Deposits Removal @ 420' D/S of TRT144014

Traffic Control: 014 - Close acceleration taper per 122-NFW-SHL-R. Keep cones extended

on curb line to 011.

Chemical Grouting System Setup, Joint		1	Ea	\$2,000.00	\$2,000.00
Deposits Removal		1	Ea	\$300.00	\$300.00
Post Construction PACP CCTV	ſ	434	Ft	\$1.50	\$651.00
Traffic Control		1	Lump Sum	\$1,150.00	\$1,150.00



Henry Graham Repairs 2023	Estimated	Unit of		
Location/Pay Items	Quantity	Measure	Unit Price	Item Total

TRT143016 to TRT143015 (Asset ID 24055) - Grout/Reinforcement Repair

Circular, 96 In Diameter, 436' Long

Grout: ID @ 7'; ID @ 284'; ID@ 292'; IR @ 381'; ID@ 424 U/S of TRT143015. Reinf Repair: 12 (8sft - 4 ft rebar) @ 342'; 9 to 2 (12 sft - 11 ft rebar) @ 376' U/S of TRT143015 Traffic Control: Minor devices only for TRT143016*. TRT143014* - Close right lane per 123-NFW-1LC-R.

Chemical Grouting System Setup, Joint	5	Ea	\$2,450.00	\$12,250.00
Concrete Repair, Prep and Patch	20	Sft	\$275.00	\$5,500.00
Corroded/Missing Reinforcement Repair	15	Ft	\$150.00	\$2,250.00
Post Construction PACP CCTV	436	Ft	\$1.50	\$654.00
Traffic Control	1	Lump Sum	\$1,900.00	\$1,900.00

ROT003011 to ROT003017 (Asset ID 24041) - Reinforcement Repair

Circular, 60 In Diameter, 280' Long

Reinf Repair: Joint 2 to 3 (9 sft - 8 ft rebar) 60' D/S of ROT003011

Traffic Control: 011 - Work outside shoulder per 4000-M-SHL-OU. ROT001032* Minor

devices only.

Concrete Repair, Prep and Patch	9	Sft	\$350.00	\$3,150.00
Corroded/Missing Reinforcement Repair	8	Ft	\$150.00	\$1,200.00
Post Construction PACP CCTV	280	Ft	\$1.25	\$350.00
Traffic Control	1	Lump Sum	\$800.00	\$800.00

TRT051046 to TRT051045 (Asset ID 26200) - Reinforcement Repair

Circular, 144 In Diameter, 578.1' Long

Reinf Repair: joint 1 to 4 (30 sft) @ 49'; 12 to 1 (18 sft) @ 85'; joint 12 to 1 (9 sft) @ 337';

11 to 2 (80 sft) @ 338'; 12 to 1 (9 sft) @ 536' D/S of TRT 051046

Traffic Control: None for 046 (access through basin). None for 045 (rear yard).

Concrete Repair, Prep and Patch	ÍΓ	146	Sft	\$165.00	\$24,090.00
Corroded/Missing Reinforcement Repair	I E	60	Ft	\$100.00	\$6,000.00
Post Construction PACP CCTV	1 [578	Ft	\$1.50	\$867.00
Traffic Control	ſΓ	1	Lump Sum	\$500.00	\$500.00



Henry Graham Repairs 2023	Estimated	Unit of		
Location/Pay Items	Quantity	Measure	Unit Price	Item Total

TRT051049 to TRT051046 (Asset ID 26197) - Reinforcement Repair

Circular, 144 In Diameter, 537.6' Long

Reinf Repair: joint 11 (6 sft -1 ft rebar) @ 46'; joint 12 (6sft - 1 ft rebar); joint 12 to 1 (6 sft - 3 ft rebar) @ 343'; joint 2 to 3 (6 sft - 3 ft rebar) @ 368'; Joint 1 (6 sft - 1 ft rebar) @ 440'; 9 to 12 (36 sft - 16 ft rebar); 12 to 2 (36 sft - 16 ft rebar) D/S of TRT051049 Traffic Control: None for 046 (access through basin). None for 049 (rear yard).

Concrete Repair, Prep and Patch	102	Sft	\$185.00	\$18,870.00
Corroded/Missing Reinforcement Repair	40	Ft	\$135.00	\$5,400.00
Post Construction PACP CCTV	538	Ft	\$1.50	\$807.00
Traffic Control	1	Lump Sum	\$500.00	\$500.00

TRT051050 to TRT051049 (Asset ID 26196) - Reinforcement Repair

Circular, 144 In Diameter, 411' Long

Reinf Repair: joint 7 (6 sft -1 ft rebar) @ 14'; Joint 11 to 2 (36 sft - 12 ft rebar) @ 129'; joint 10 (6 sft - 2 ft rebar) @ 202'; joint 10 (6 sft - 1 ft rebar) @ 217'; joint 10 (6 sft-1 ft rebar) @ 266'; joint 9 to 10 (10 sft - 3 ft rebar) @ 345' D/S of TRT051050 Traffic Control: None for 050 (access through stub road). None for 049 (rear yard).

Concrete Repair, Prep and Patch	70	Sft	\$225.00	\$15,750.00
Corroded/Missing Reinforcement Repair	20	Ft	\$135.00	\$2,700.00
Post Construction PACP CCTV	411	Ft	\$1.75	\$719.25
Traffic Control	1	Lump Sum	\$500.00	\$500.00



Henry Graham Repairs 2023	Estimated	Unit of		
Location/Pay Items	Quantity	Measure	Unit Price	Item Total

TRT051001 to TRT051050 (Asset ID 26195) - Reinforcement Repair

Circular, 144 In Diameter, 488' Long

Reinf Repair: joint 2 (8 sft-2 ft rebar) @ 67'; joint 3 (6 sft - 1 ft rebar) @ 116'; 12 (16 sft - 10 ft rebar - HOLE DRILLED IN PIPE AT THIS LOCATION) @ 183'; joint 1 to 2 (14 sf - 8 ft rebar) @ 340'; joint 2 (6 sft - 1 ft rebar) @ 348'; joint 11 (6 sft - 1 ft rebar) @363'; U/S of TRT051050

Traffic Control: None for 050 (access through stub road). None for 001 (rear yard).

Concrete Repair, Prep and Patch	56	Sft	\$225.00	\$12,600.00
Corroded/Missing Reinforcement Repair	23	Ft	\$205.00	\$4,715.00
Post Construction PACP CCTV	488	Ft	\$1.50	\$732.00
Traffic Control	1	Lump Sum	\$500.00	\$500.00

TRT051045 to TRT094020 (Asset ID 26201) - Reinforcement Repair

Circular, 144 In Diameter, 590.4' Long

Reinf Repair: joint 1 (6 sft - 1 ft rebar) @ 31'; joint 4 (8 sft - 4 ft rebar) @ 249'; D/S of TRT051045

Traffic Control: 020 -Work outside shoulder per 4000-M-SHL-OU. None for 045 (rear yard).

Concrete Repair, Prep and Patch		14	Sft	\$385.00	\$5,390.00
Corroded/Missing Reinforcement Repair] [5	Ft	\$200.00	\$1,000.00
Post Construction PACP CCTV		590	Ft	\$1.50	\$885.00
Traffic Control	[1	Lump Sum	\$500.00	\$500.00

ROT003014 to ROT008006 (Asset ID 22705) - Spot Liner

Circular, 30 In Diameter, 64' Long

SL: IR 6' U/S of ROT008006 (actual size is 30")

Traffic Control: 014 - Close right lane per 123-NFW-1LC-R. 006 - Work outside shoulder

per 4000-M-SHL-OU.

Spot Liner, 30 In	1	Ea	\$4,200.00	\$4,200.00
Post Construction PACP CCTV	64	Ft	\$5.00	\$320.00
Traffic Control	1	Lump Sum	\$950.00	\$950.00



Henry Graham Repairs 2023	Estimated	Unit of		
Location/Pay Items	Quantity	Measure	Unit Price	Item Total

PROJECT WIDE ITEMS:

Additional Grout Port, Directed	15	Ea	\$50.00	\$750.00
Acrylimide Grout	3305	Gal	\$27.50	\$90,887.50

TOTAL ALL ITEMS:

\$365,917.75

ROT005013 to TRT143015 (Asset ID 24040) - OPTIONAL - CIPP LINE SEGMENT

Circular, 54 In Diameter, 199' Long

 ${\small CIPP \ Line \ in \ 2030. \ Under \ intersection.} \\$

Traffic Control: 013 - Close right lane per 123-NFW-1LC-R. TRT143014* - Close right lane

per 123-NFW-1LC-R

Pre Cleaning and CCTV	199	Ft	\$17.00	\$3,383.00
CIPP Lining, 54 In Diameter	199	Ft	\$620.00	\$123,380.00
Post Construction PACP CCTV	199	Ft	\$2.00	\$398.00
Traffic Control	1	Lump Sum	\$3,200.00	\$3,200.00

ROT002002 to ROT003011 (Asset ID 24042) - OPTIONAL - Spot Liner

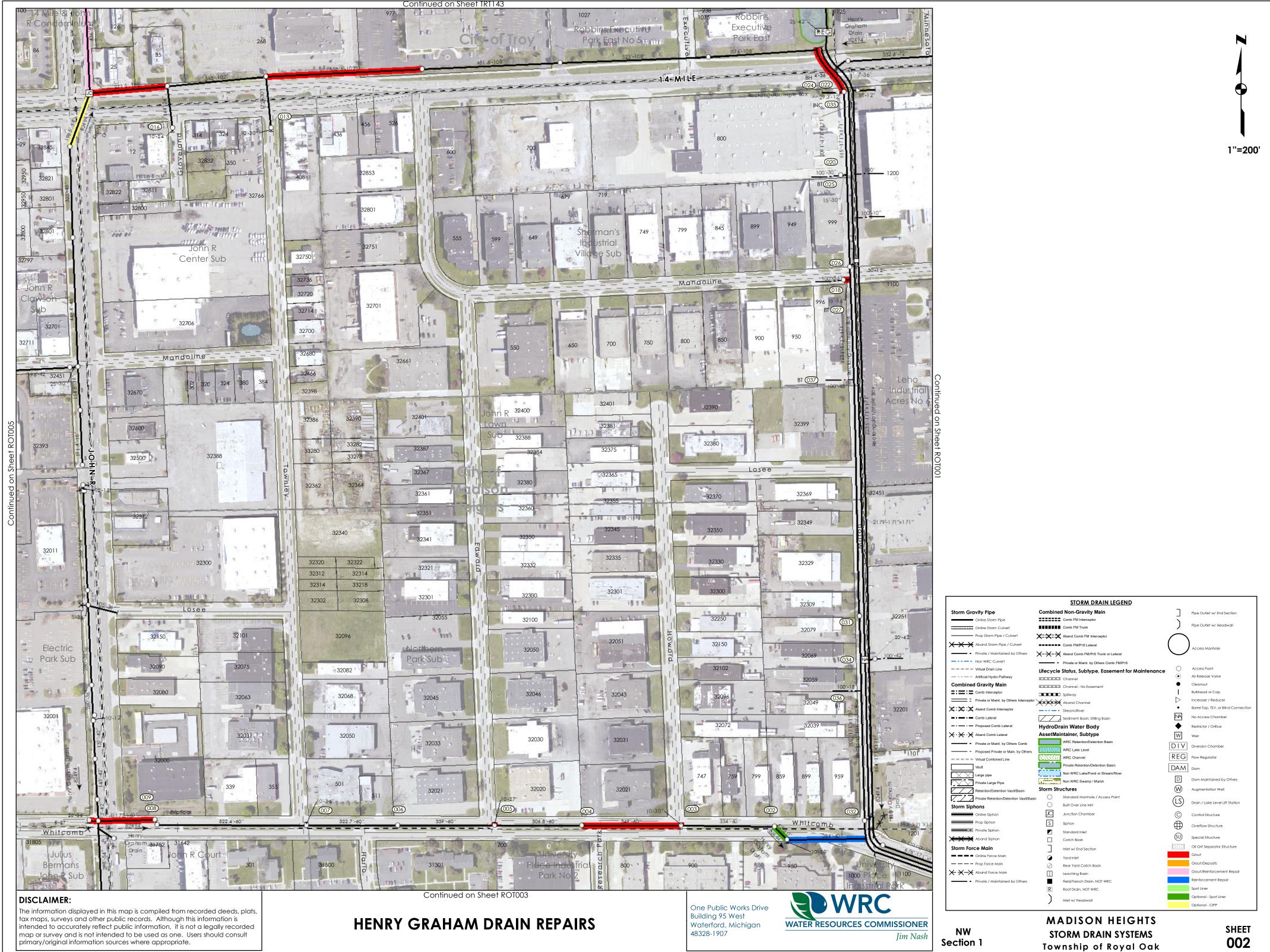
Circular, 60 In Diameter, 62' Long

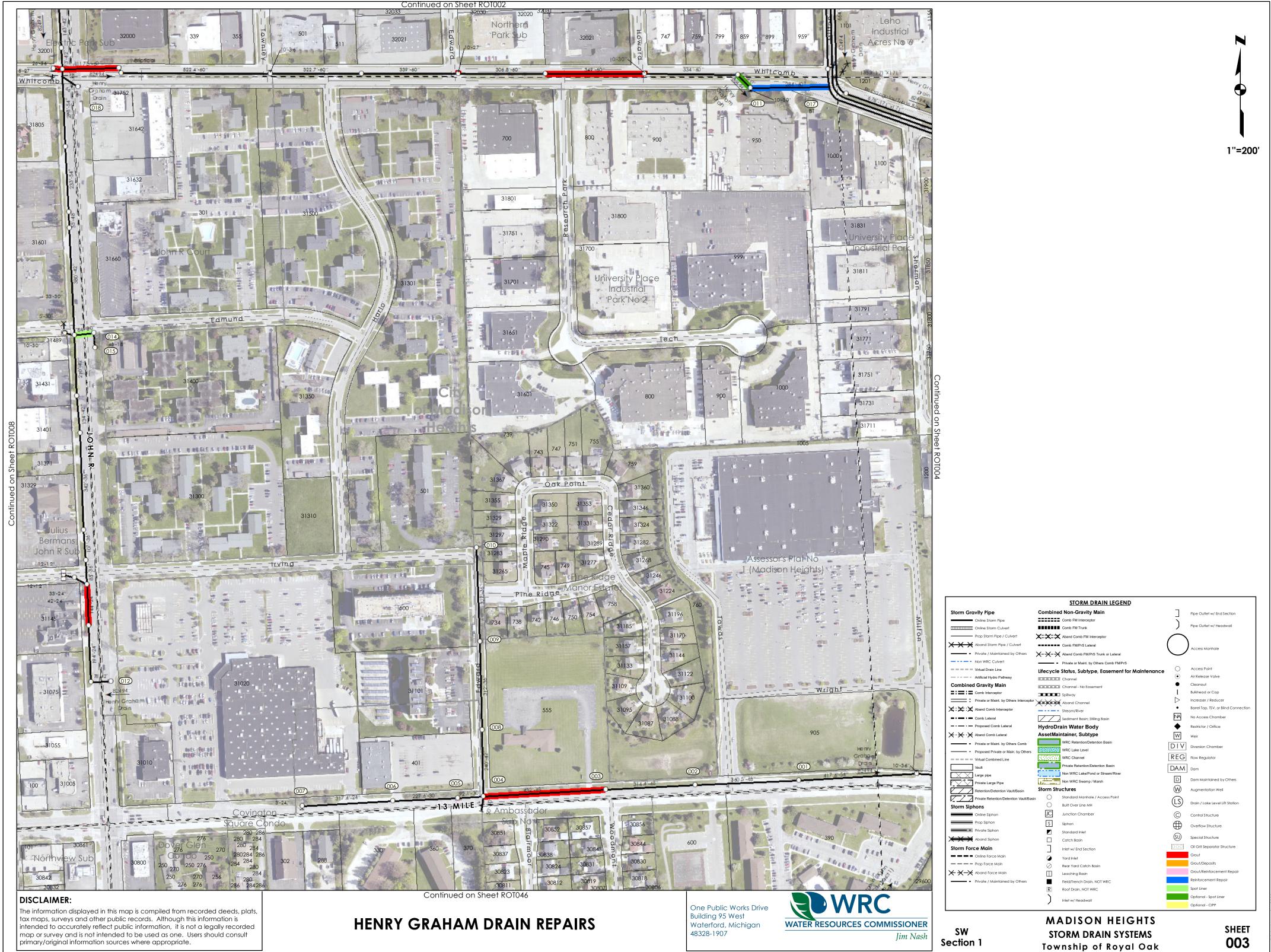
SL: 50' U/S of ROT003011

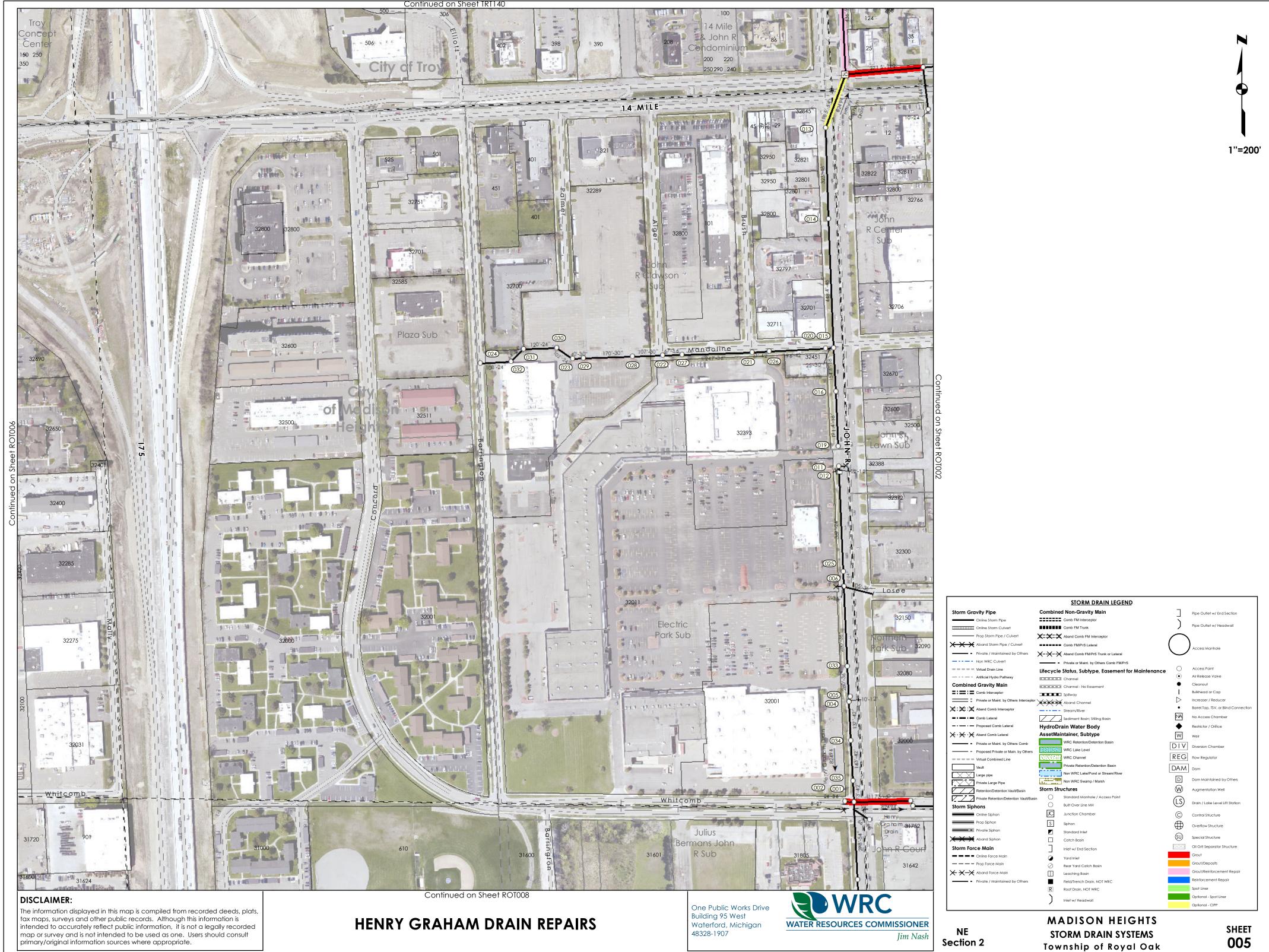
Traffic Control: 002 - Close cross over per 310-SP-CROSS-C-NFW (sign both directions).

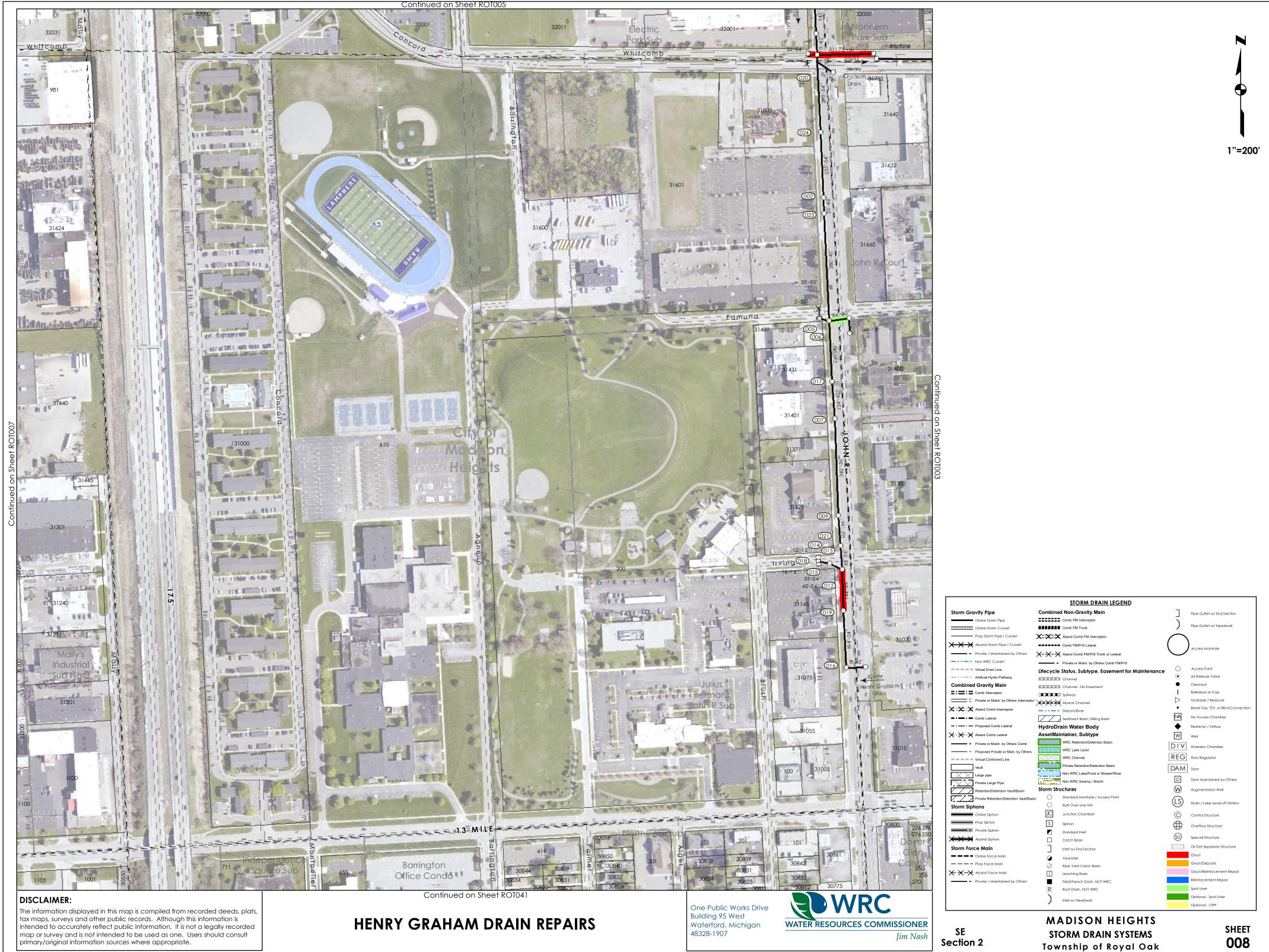
011 - Work outside shoulder per 4000-M-SHL-OU.

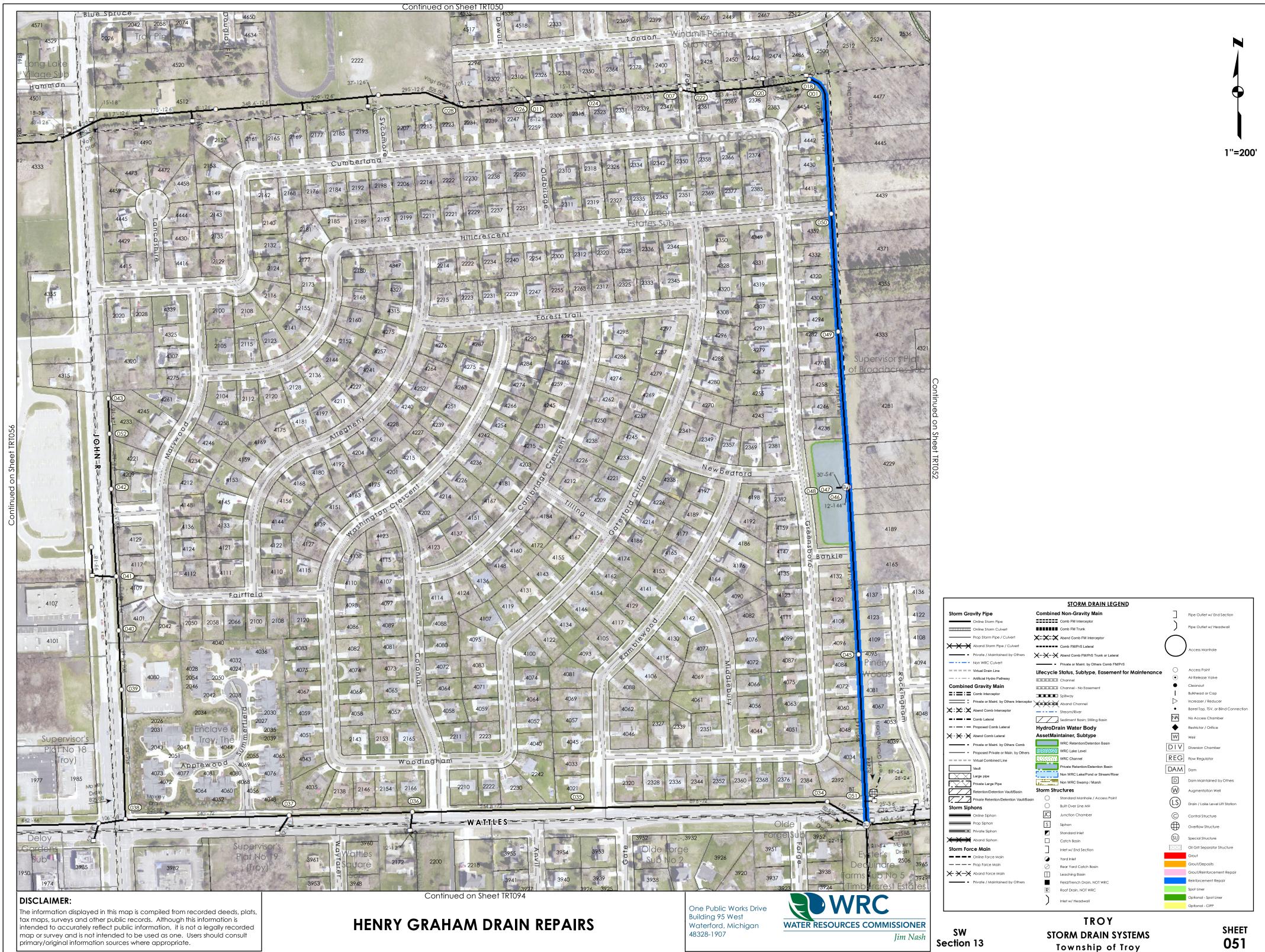
Spot Liner, 60 In	1	Ea	\$13,750.00	\$13,750.00
Post Construction PACP CCTV	62	Ft	\$5.00	\$310.00
Traffic Control	1	Lump Sum	\$950.00	\$950.00

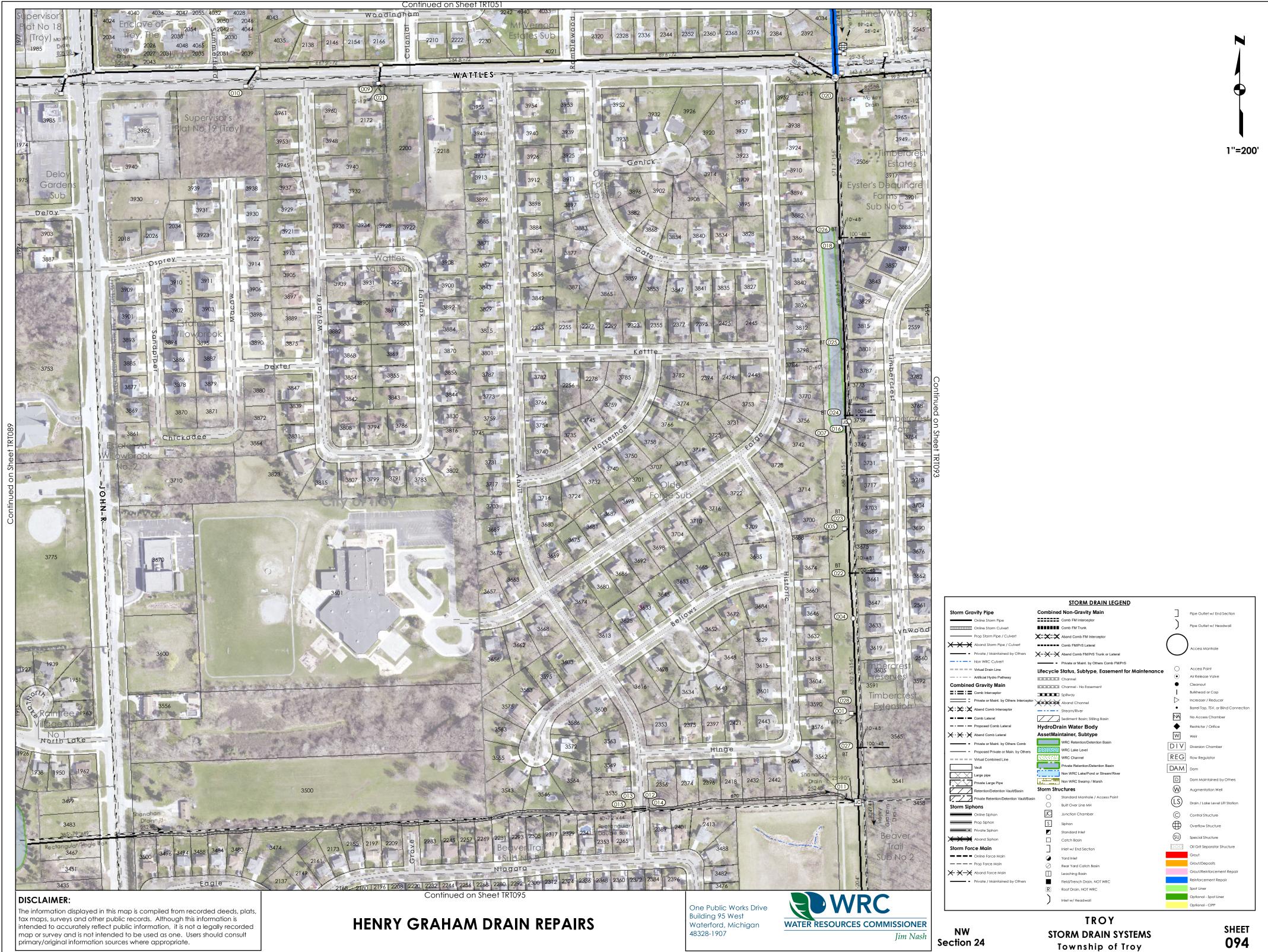


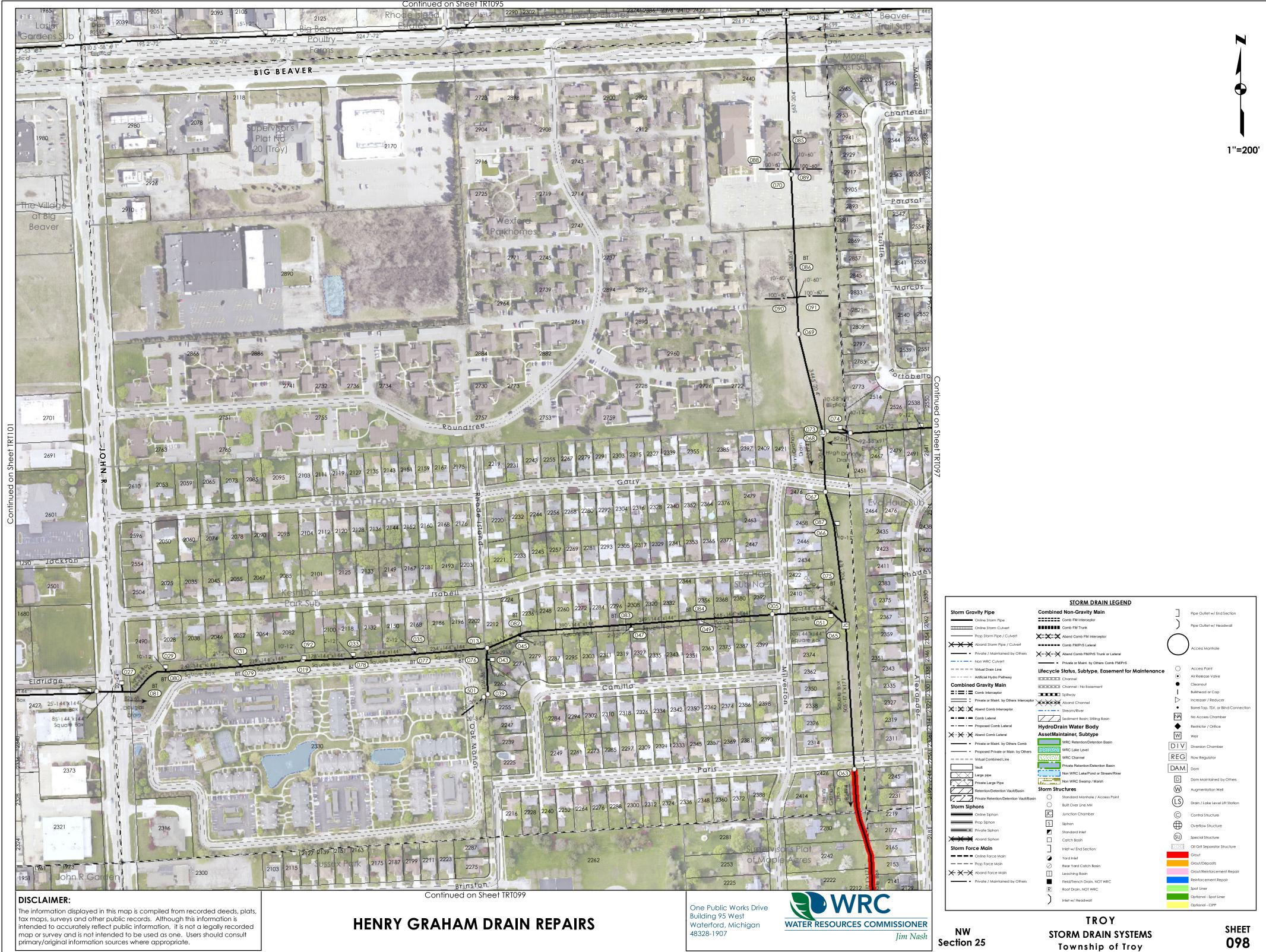




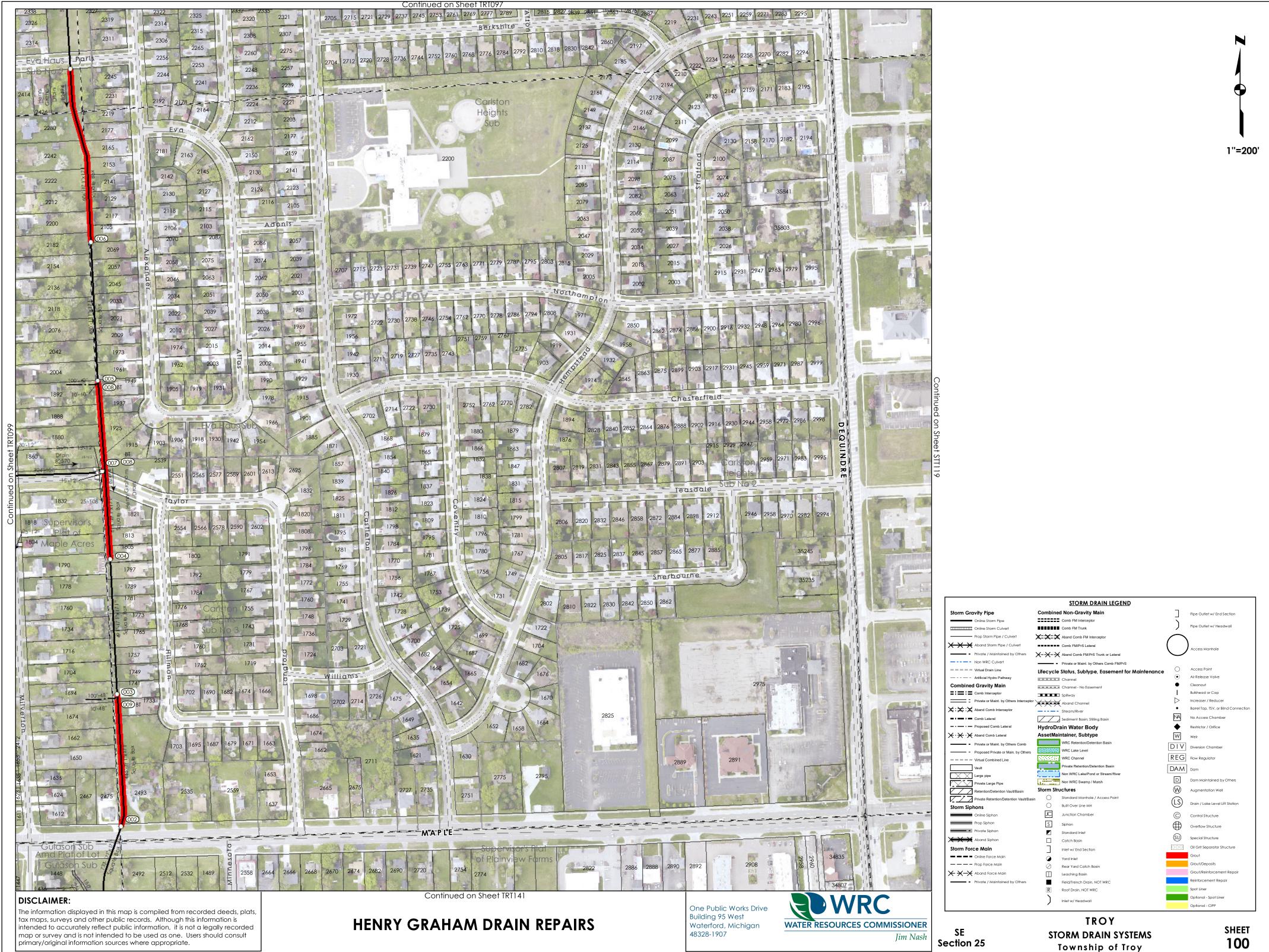


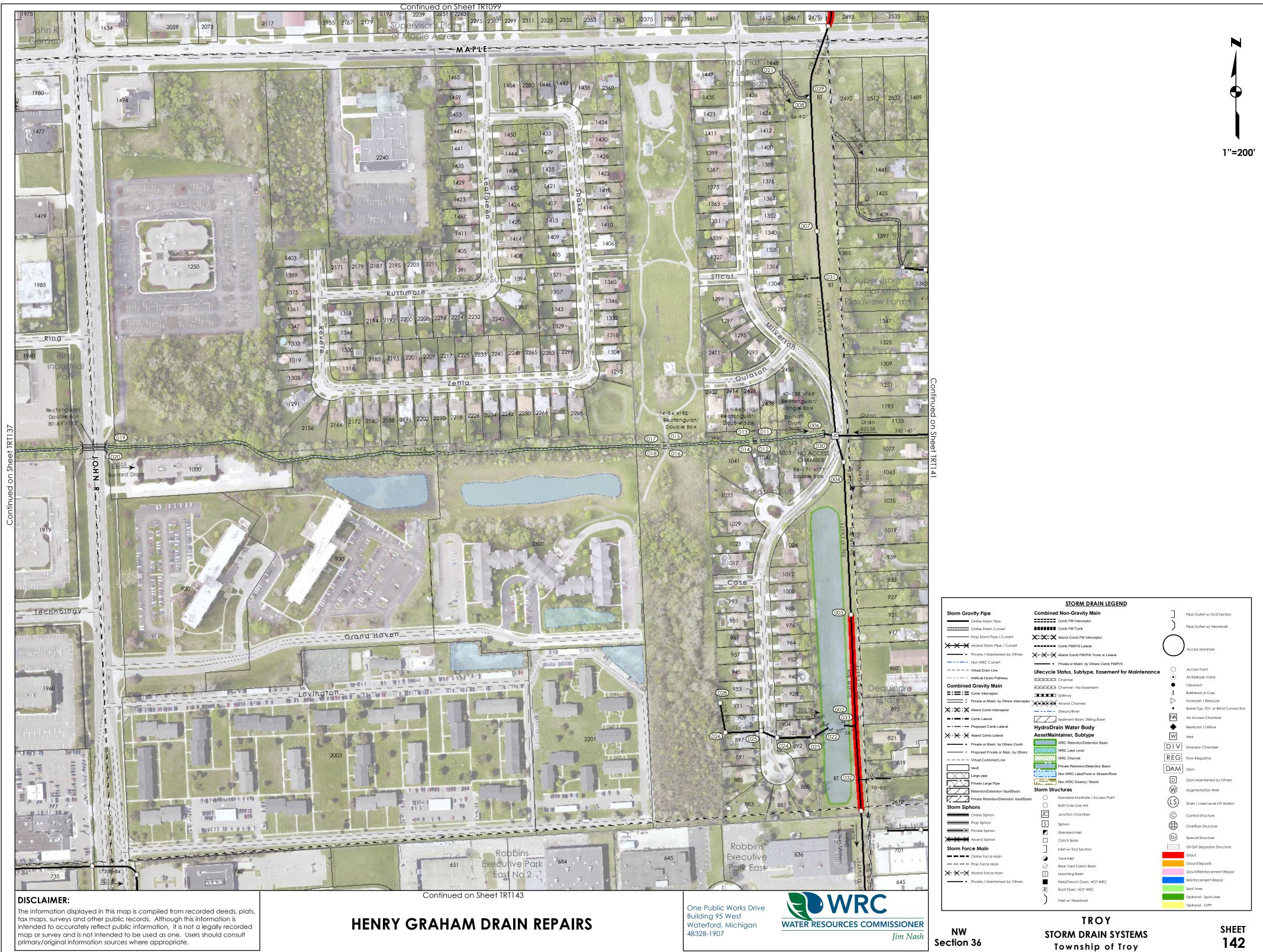


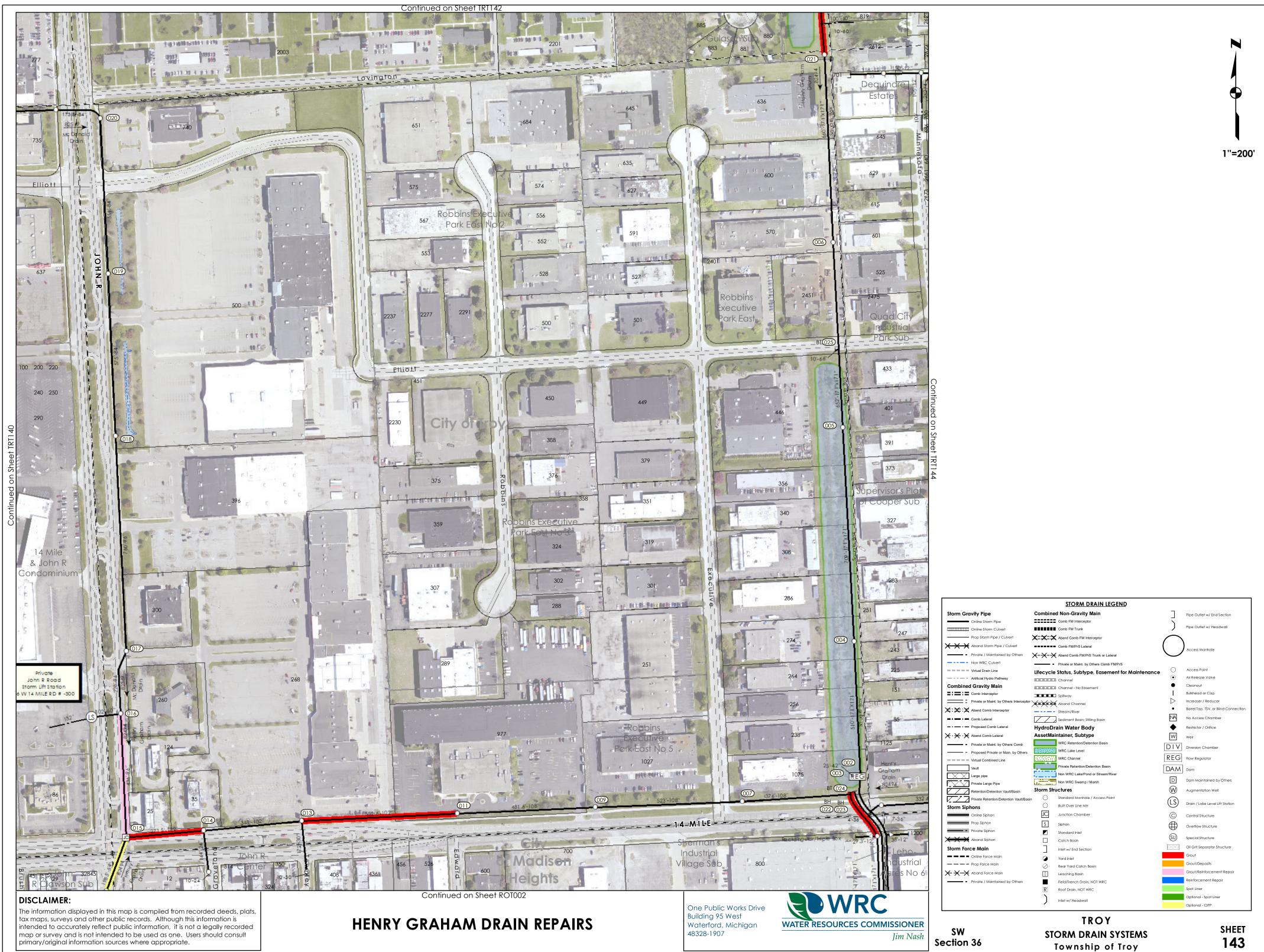


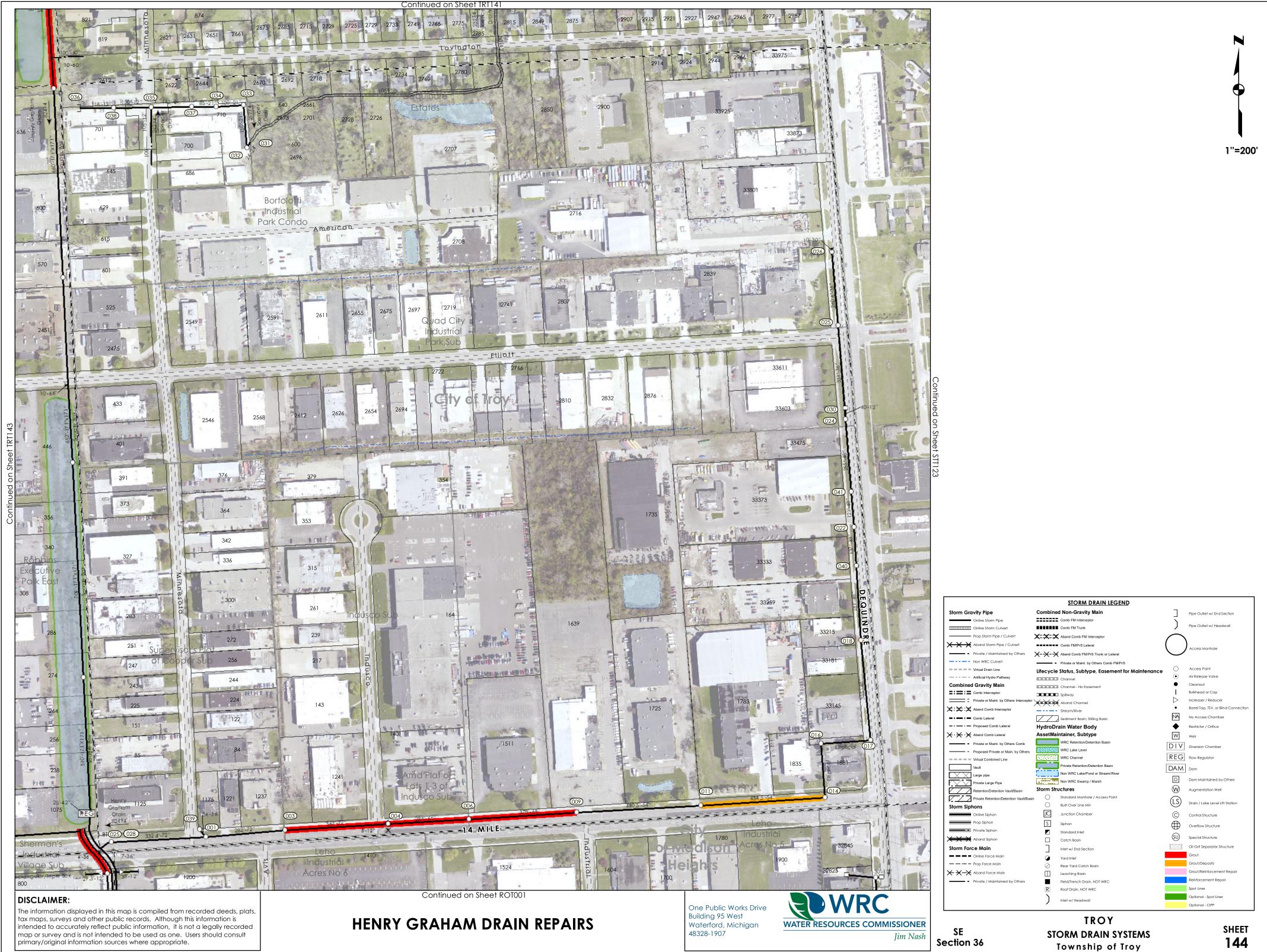












HENRY GRAHAM MAINTENANCE REPAIRS 2023 ESTIMATE OF PROJECT COSTS REVISED: JUNE 22, 2023

	Pr	Project Costs	
 Contracted Services: Construction Cost a Constuction Cost (as-bid) b Add More if Multiple Phases/ Contracts 	\$	365,918	
Subtotal Construction Cost	\$	365,918	
 2) Engineering Consultants a Design Phase b Construction Administration c Scheduling Consultant for Large Projects d Reiforcement Repair Construction Administration e f 	\$	11,000	
Subtotal Engineering Consultants	\$	11,000	
 3) Legal & Financial a Easements b Legal Costs c Financial Consultant (For Bond Sale Only) TBD d Bond Counsel (Bond Issue Only) TBD e OCIP Insurance f Official Statement g Wetland Mitigation 	\$	7,000	
Subtotal Legal & Financial	\$	7,000	
 4) County Services: a Administration & General (ADM) b Engineering (ENG) c Right-Of-Way (ROW) d Construction Inspection (INS) e GIS Mapping (ADM) f Operation Staff (STD) (Shutdowns, Training New Facilities, etc.) g Survey (SUR) 	\$ \$ \$ \$	14,637 25,614 7,318 32,500 3,659	
Subtotal County Services	\$	83,729	
Project Subtotal	\$	467,647	
 5) 10% Construction Contingency 6) Less Anticipated Grant Funds 	\$	36,592	
7) Total Project Cost	\$	504,238	

OAKLAND COUNTY WATER RESOURCES COMMISSIONER MAINTENANCE ASSESSMENT RECOMMENDATION FOR THE <u>Henry-Graham Drain</u>

Date last assessment approved: Last Assessment:	08/24/21	\$270,262
Expenditure History:	Fiscal Year	Amount
	2016	\$10,243
	2017	(\$5,059)
	2018	\$12,637
	2019	\$40,670
	2020	\$23,852
	2021	\$25,847
	2022	\$7,457
	2023 YTD	\$8,851
Recommended Assessment:		
Total Anticipated Maintenance Expenses*		\$0
Henry Graham Maintenance Repairs 2023 Project Expenses		\$504,238
TOTAL RECOMMENDED ASSESSMENT		\$504,238

Assessment for the Henry Graham Maintenance Repairs 2023 Project

*Anticipated Maintenance Expenses for 2021-2023 were previously collected with the 8/24/2021 assessment

Prepared by:	Date:
Geoff Wilson, P.E Chief Engineer	
Approved by:	Date:
Gary Nigro, P.E Manager	

SPECIAL ASSESSMENT ROLL FOR THE MAINTENANCE OF THE HENRY-GRAHAM DRAIN

Public Corporation	*Percentage of Apportionment		Total Amount of Assessment Payment #1		Payment #2	Payment #3
City of Madison Heights	6.1182%	\$ 3	\$0,850.29	30,850.29	-	-
City of Troy	89.1016%	\$ 44	9,284.12 \$	449,284.12	-	-
County of Oakland	2.0181%	\$ 1	0,176.03 \$	10,176.03	-	-
State of Michigan	2.7621%	\$ 1	3,927.56 \$	13,927.56	-	-
Total	100.0000%	\$ 50	4,238.00 \$	504,238.00	\$ -	<u>\$</u>

*Apportionment based on Final Order of Apportionment dated 2/25/1971.

Assessment Payment Due Date(s): Payment #1 07/31/2023

I hereby certify that I have prepared the Special Assessment Roll for the Maintenance of the Henry-Graham Drain in accordance with the direction of the Drainage Board and the statutory provisions applicable thereto.

Jim Nash Chairman of the Drainage Board for the Henry-Graham Drain

The foregoing Special Assessment Roll for the maintenance of the Henry-Graham Drain was approved by the Drainage Board on _______.

Jim Nash Chairman of the Drainage Board for the Henry-Graham Drain