Saginaw Saginaw City Council Regular Meeting Agenda

Andersen Enrichment Center
120 Ezra Rust Dr.
June 8, 2026
6:30 PM

Prayer and Pledge of Allegiance

Roll Call

Announcements

1. Proclamation declaring June as “Pride Month.”

Public Hearings

Public Input
(A list will be provided following submittal deadline.)

Remarks of Council

Reports From Manager

Consent Agenda

1. Approve the May 18, 2026 regular meeting minutes.

2. Approve Petition #26-06 from the Saginaw African Cultural Festival, Inc. to erect a banner in the 300 block of South Michigan and the 1000 block of East Genesee Avenue from July 17 to August 17, 2026, to promote “Saginaw African Cultural Festival.”

3. Receive and file Petition 26-07 from Saginaw Community Food Club and Kitchen to be recognized as a nonprofit organization for purposes of obtaining a charitable gaming license.

4. Approve the amendments to the 2025/2026 Approved Budget for the listed funds. This adjustment is required to recognize any errors, omissions, or changes that have occurred within the month of May.

5. Approve the purchase with Yeo & Yeo Technology for $14,400 for professional services to migrate the City’s virtual server environment from the VMware platform to Hyper-V for the Technical Services Department, Information Services Division.

6. Approve the annual purchase with Best Technology Systems, Inc. for $8,200 for FY 2027, and pending budget approval, $8,375 for FY 2028, and $8,550 for FY 2029 for indoor gun range cleaning services for the Police Department.

7. Approve the purchase with Municipal Emergency Services (MES), a sole source, for $24,800 for 20 Self-Contained Breathing Apparatus (SCBA) cylinders for the Fire Department.

8. Ratification of an emergency purchase with The W.W. Williams Company LLC for $5,676 for repair of the radiator on Rescue 1 for the Fire Department.

9. Approve the blanket purchase orders to specified vendors for $24,000 for various parts and supplies for the Public Services Department, Facilities Division for FY 2027.

10. Approve the purchase with Hoffman's Power Equipment, Inc. for $37,900 for two 72" mowers for the Public Services Department, Cemeteries Division, and one 60" mower for the Public Services Department, Facilities Division.

11. Approve the purchase with Republic Services for $157,315 for the hauling and disposal of street sweeping debris for the Public Services Department, Streets Division for FY 2027.

12. Approve a purchase with Source One Construction, LLC for $63,600 to furnish and install a new Duro-Last roof at the Public Works Building for the Public Services Department, Facilities Division.

13. Approve the purchase with Bit-Mat Products of Michigan for $22,500 for tack coat and emulsified asphalt for the Public Services Department, Streets Division for FY 2027.

14. Approve the purchase with Wirt Stone Dock for $6,300 for crushed stone for the Durapatch Machine for the Public Services Department, Streets Division for FY 2027.

15. Approve the purchase with GFL Environmental for $30,800 for trash containers and trash disposal at the City's Convenience Station for the Public Services Department, Streets Division for FY 2027.

16. Approve the blanket purchase with the specified vendors for $21,000 for miscellaneous parts and supplies for the Public Services Department, Maintenance and Service Division for FY 2027.

17. Approve the blanket purchase with the specified vendors for $455,000 for roadway restoration materials for the Public Services Department, Maintenance and Service Division for FY 2027.

18. Approve the blanket purchase with the specified vendors for $215,000 for water meter supplies for the Public Services Department, Maintenance and Service Division for FY 2027.

19. Approve the a purchase with Eggers Excavating LLC for $25,000 for receiving excavated spoils for the Public Services Department, Maintenance and Service Division for FY27.

20. Approve the purchase with Versalift for $8,178 for a rear outrigger cylinder assembly part for the Public Services Department, Motor Pool Division.

21. Approve the purchase with Champagne & Marx Excavating, Inc. for $13,835 for approximately 500 tons of 60/40 Gravel for the Public Services Department, Maintenance and Service Division for FY27.

22. Approve the purchase with Rapid Water Recovery Services, LLC (RWRS) for $27,860 for water meter testing services for the Public Services Department, Maintenance and Service Division for FY27.

23. Approve the purchase with Champagne & Marx Excavating, Inc., for $87,300 for screened topsoil for the Public Service Department, Maintenance and Service Division for FY 2027.

24. Approve the purchase with Champagne & Marx Excavating, Inc. for $16,409 for dozing and grading services for the Public Services Department, Maintenance and Service Division for FY27.

25. Approve the purchase with SMAC Testing, Inc. for a total amount not to exceed $375,000 for FY 2026 and FY 2027, and pending budget approval for FY 2028 for material testing services for the Public Services Department, Engineering Division.

26. Approve the contract with Lois Kay Contracting Co. for $2,976,140 for the 2026 Local Road Millage Resurfacing and Water Main Replacement project for the Public Services Department, Engineering Division.

27. Approve the contract with Champagne & Marx Excavating, Inc. for $1,571,330 for the Hancock and Ames Reconstruction project from N. Michigan to N. Niagara for the Public Services Department, Engineering Division.

28. Approve the Metropolitan Extension Telecommunications Rights-of-Way Oversight (METRO) Act Bilateral Application and Permit with Peninsula Fiber Network for the Public Services Department, Right of Way Division.

29. Approve the purchase with the Saginaw-Midland Municipal Water Supply Corporation for $7,753 for one-third of the cost of a pre-engineering assessment of the raw water pipeline for the Water and Wastewater Treatment Services Department, Water Treatment Plant.

30. Ratification of an emergency purchase with Drew Wireless LLC for an amount not to exceed $3,500 for repairs to the radio system at the Kochville Station for the Water and Wastewater Treatment Services Department, Instrumentation and Process Controls Division.

31. Approve the purchase with Jade Scientific, Inc. for $7,697 for a Thermo Scientific Heratherm Microbiological Incubator for the Water and Wastewater Treatment Services Department, Water Treatment Division.

32. Approve the purchase with PVS Minibulk, Inc. for $92,250 for FY 2027 and FY 2028, pending budget approval, for Ferric Chloride for the Water and Wastewater Treatment Services Department, Wastewater Treatment and Pumping Division.

33. Approve the purchase with Jacobi Carbons, Inc. for $118,450 for 115,000 pounds of Powdered Activated Carbon for FY 2027 for the Water and Wastewater Treatment Services Department, Water Treatment Division.

34. Approve the purchase with Polydyne Inc. for $28,350 for 27,000 pounds of Liquid PolyDADMAC for FY 2027 for the Water and Wastewater Treatment Services Department, Water Treatment Division.

35. Approve the purchase with PVS Technologies, Inc. for $261,510 for 230 tons of Ferric Chloride for FY 2027 for the Water and Wastewater Treatment Services Department, Water Treatment Division.

36. Approve the purchase with JCI Jones Chemical, Inc. for $225,700 for 132,000 gallons of Sodium Hypochlorite for FY 2027 for the Water and Wastewater Treatment Services Department, Water Treatment Division.

37. Approve the purchase with JCI Jones Chemical, Inc. for $97,200 for FY 2027 for Liquid Chlorine for the Water and Wastewater Treatment Services Department, Treatment and Pumping Division.

38. Approve the purchase with JCI Jones Chemical, Inc. for $350,000 for FY 2027 for Liquid Sodium Hypochlorite for the Water and Wastewater Treatment Services Department, Treatment and Pumping Division.

39. Approve the purchase with Cygnet Enterprises for $8,460 for 6,000 pounds of Sodium Percarbonate for FY 2027 for the Water and Wastewater Treatment Services Department, Water Treatment Division.

40. Approve the purchase with Graymont Western Lime, Inc. for $67,200 for 280 tons of Calcium Oxide for FY 2027 for the Water and Wastewater Treatment Services Department, Water Treatment Division.

41. Approve the purchase with Jade Scientific, Inc., for $8,486 for two HACH TL2300 Turbidimeters and supplies for the Water and Wastewater Treatment Services Department, Water Treatment Division.

Board/Commission/Committee Reports

Appointment of Board/Commission/Committee Members

1. Approve the reappointment of Lee Amo to the Historic District Commission with a term to expire July 31, 2029.

2. Approve the reappointment of Kevin Jones to the Historic District Commission with a term to expire July 31, 2029.

3. Approve the reappointment of Mark Greskowiak to the Historic District Commission with a term to expire July 31, 2029.

4. Approve the reappointment of Trisha Baker to the Public Libraries of Saginaw Board with a term to expire June 30, 2030.

5. Approve the reappointment of Craig Bell to the Saginaw Arts & Enrichment Commission with a term to expire June 30, 2029.

6. Approve the reappointment of Theresa Lister to the Saginaw Arts & Enrichment Commission with a term to expire June 30, 2029.

7. Approve the reappointment of Andrew Naumann to the Historic District Commission with a term to expire July 31, 2029.

8. Approve the reappointment of John Jatczak to the Saginaw Economic Development Corporation with a term to expire June 30, 2029.

9. Approve the reappointment of Steve Hensley to the Saginaw Economic Development Corporation with a term to expire June 30, 2029.

Ordinance Introduction

Ordinance Adoption

1. An ordinance to amend §99.10 “Use of City-Owned Regional Parks, Community Parks and Neighborhood Parks” of Chapter 99, “Special Events Regulations,” of Title IX, “General Regulations,” of the City of Saginaw Code of Ordinances, O-204 and the official city map by renaming Weadock Park to Weadock-Rooker Park from WEADOCK PARK, BLK. 43, GLASBY, GALLAGHER AND LITTLES ADDITION.

Resolutions

1. Recognizing the Saginaw Community Food Club and Kitchen as a non-profit organization for the purpose of obtaining a charitable gaming license.

2. Approving the Appointment of the Trustee and Alternate Trustee to the Mid Michigan Waste Authority Board.

3. Approving Ballot Language for Proposed City Charter Amendment to Section 45.

Unfinished Business

Miscellaneous Business

Adjournment

Timothy Morales
City Manager

Accessibility Notice:
If you require accommodations to attend or participate in this meeting due to a disability, please contact the City Clerk's Office at (989) 759-1480 ext. 6 or visit in person at:

Saginaw City Hall
1315 S. Washington Ave.
Saginaw, MI 48601

Advance notice is appreciated to allow time to make arrangements.

To view tonight's presentations, scan the QR code or follow the link below.
saginaw-mi.com/presentations

CITY OF SAGINAW

PROCLAMATION

WHEREAS, in the movement towards equal rights for Two-Spirit, lesbian, gay, bisexual, and transgender (2SLGBTQ+) people, a historic turning point occurred on June 28, 1969, in New York City, with the onset of the Stonewall Riots. During these riots led by transgender women of color, the queer community rose and fought back against discriminatory laws that have since been declared unconstitutional; and

WHEREAS, Pride celebrations have taken place around the country every June to commemorate the beginning of the Stonewall Riots; and

WHEREAS, June is celebrated as Pride Month nationwide; and

WHEREAS, Great Lakes Bay Pride, a local non-profit, works to connect the 2SLGBTQ+ and ally communities to resources and education, offer networking opportunities, and advocate for civil rights in the Great Lakes Bay Region and beyond; and

WHEREAS, our nation was founded on the principle of equal rights for all people, but the fulfillment of this promise has been long in coming for many Americans. Some of the most inspiring moments in our history have arisen from the various civil rights movements that have brought one group after another from the margins to the mainstream of American society; and

WHEREAS, the City of Saginaw supports the rights of every citizen to experience equality and freedom from discrimination and on April 12, 2021, the Saginaw City Council passed a Resolution in Support of Recognizing Lesbian, Gay, Bisexual, Transgender, and Queer/Questioning individuals as a protected class.

NOW, THEREFORE, I, Brenda F. Moore, Mayor of the City of Saginaw, do hereby proclaim June 2026, as

“PRIDE MONTH”

and urge residents to celebrate with our members of the 2SLGBTQ+ community. Furthermore, recognizing the contributions made by members of this community and to actively promote the principles of equality, liberty, and justice.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the seal of the City of Saginaw to be affixed this 8th day of June in the year of our Lord two thousand twenty-six.

Brenda F. Moore, Mayor

Councilmembers
Priscilla Garcia, Mayor Pro Tem,
Michael D. Balls, Eric D. Braddock, Sr.,
Carly R. Hammond, Bill Ostash, Jacinta Seals,
Tobias Young and Heidi G. Wiggins,

June 8, 2026

Timothy Morales, City Manager

A Regular Meeting of the Council of the City of Saginaw, Michigan, was held Monday, May 18, 2026, at 6:30 p.m. at the Andersen Enrichment Center, 120 Ezra Rust Drive, Saginaw, Michigan.

Prayer and Pledge of Allegiance

Council Member Young offered a prayer and Council Member Seals led the pledge of allegiance of the United States of America.

Roll Call

Mayor Moore called the meeting to order. Council Members present: Tobias Young, Jacinta Seals, Michael Balls, Priscilla Garcia, Bill Ostash, Eric Braddock Sr., Heidi Wiggins, Carly Hammond, Brenda Moore: 9. Council Members absent:0.

Announcements

City Clerk Kristine Bolzman announced that City Offices will be closed Monday, May 25, in observance of the Memorial Day holiday.

Public Hearings

Clerk Bolzman announced the Public Hearing regarding the Fiscal Year 2026-2027 Proposed Budget and Property Tax Millage. Mayor Moore called for public comments. Yolanda Bland, Director of the Office of Management and Budget, spoke in favor. Mayor Moore called for public comments two additional times. No further comment was made.

Moved by Council Member Seals, seconded by Council Member Ostash to close the public hearing. 9 ayes, 0 nays, 0 absent. Motion approved.

Clerk Bolzman announced the Public Hearing regarding the Special Assessment District for a Police and Fire Millage for Fiscal Year 2026-2027. Mayor Moore called for public comments. Yolanda Bland, Director of the Office of Management and Budget, spoke in favor. Mayor Moore called for public comments two additional times. No further comment was made.

Moved by Mayor Pro Tem Garcia, seconded by Council Member Wiggins to close the public hearing. 9 ayes, 0 nays, 0 absent. Motion approved.

Clerk Bolzman announced the Public Hearing regarding the Downtown Development Authority District Millage to be levied on properties within the district. Mayor Moore called for public comments. Yolanda Bland, Director of the Office of Management and Budget, spoke in favor. Mayor Moore called for public comments two additional times. No further comment was made.

Moved by Mayor Pro Tem Garcia, seconded by Council Member Wiggins to close the public hearing. 9 ayes, 0 nays, 0 absent. Motion approved.

Clerk Bolzman announced the Public Hearing regarding the proposed Drinking Water Fund (DWSRF) Project Planning Document Amendment. Mayor Moore called for public comments. Brian VanZee, Senior Water & Wastewater Engineer, Fishbeck, spoke in favor of the topic. Mayor Moore called for public comments two additional times. No further comment was made.

Moved by Council Member Seals, seconded by Council Member Young to close the public hearing. 9 ayes, 0 nays, 0 absent. Motion approved.

Public Input

Members of the public that addressed the Council: Sherell Tyler, Diane Keenan, Melanie Velasco.

Council Remarks

Remarks were heard from the following Council Members: Hammond, Young, Seals, Balls, Ostash, Braddock, Wiggins, Garcia, and Mayor Moore.

Reports from Manager

City Manager Tim Morales reported updates regarding various projects.

Manager Morales introduced Michael Samson of the Maintenance and Service Division. Mr. Samson provided an update on the Cross Connection Control Program.

Consent Agenda:

Moved by Council Member Wiggins, seconded by Mayor Pro Tem Garcia to approve the consent agenda, allowing room for exceptions. Exceptions were made to items 4, 12, 15, 18, 24, and 26. 9 ayes, 0 nays, 0 absent. Motion approved.

1. Approve the May 6, 2026, regular council meeting minutes.

2. Approve the Amendment to Parking Lease Agreement with Spicer Group Inc. for the use of 112 spaces of the City-owned parking lot located at 220 Baum Street.

3. Approve the amendments to the 2025/2026 Approved Budget for the listed funds. This adjustment is required to recognize any errors, omissions, or changes that have occurred within the month of April.

4. Approve the blanket purchase orders for the specified vendors for a total of $216,500 for various parts, supplies, equipment, and repairs for the Fire Department for FY2027, pending budget approval.

5. Approve the blanket purchase orders for each of the vendors listed below for a total amount of $61,900 for various parts and supplies that personnel need to operate and maintain the Police Department for FY2027, pending budget approval.

6. Approve the Agreement with Saginaw Transit Authority and Regional Services (STARS) for the installation and maintenance of bus shelters and benches within designated City of Saginaw public road rights-of-ways.

7. Approve the purchase with Precision Fleet Image for $41,094 for repair services for collision damage to Packer Truck 76-0705, as specified, for the Public Services Department, Motor Pool Division.

8. Approve the blanket purchase orders to the primary suppliers of local fleet vehicle services in the amounts listed below, totaling $422,000 for various vehicle services and repairs for the Public Services Department, Motor Pool Division for FY2027 pending budget approval.

9. Approve the blanket purchase order with Larry's Auto Supply for $8,000 for the purchase of various shop supplies, for the Public Services Department, Motor Pool Division for FY2027 pending budget approval.

10. Approve the blanket purchase order with Elite Aerial Compliance for $5,500 for annual inspection services for the Public Services Department, Motor Pool Division for FY2027 pending budget approval.

11. Approve the purchase with Alta Equipment Company for $2,608 for a 12" Linear Transducer part for the Public Services Department, Motor Pool Division.

12. Approve the blanket purchase orders to primary suppliers of local fleet parts and supplies for a total of $400,000 for vehicle parts and supplies for the Public Services Department, Motor Pool Division for FY2027, pending budget approval.

13. Approve the purchase with MTech Company for $224,500 for a 2027 Maintainer Valve Turner Truck for the Public Services Department, Maintenance and Service Division.

14. Approve the blanket purchase with Certified Abatement Services, Inc. for $5,000 for the abatement, hauling and disposal of asbestos-containing materials for the Public Services Department, Maintenance and Service Division for FY2027 pending budget approval.

15. Approve the blanket purchase orders for a total annual amount not to exceed $750,000 with the primary suppliers of water main appurtenances, brass fittings, and water service lines for the Public Services Department, Maintenance and Service Division for FY 2027 pending budget approval.

16. Approve the blanket purchase orders with primary suppliers for a total annual amount not to exceed $150,000 for sanitary sewer and storm sewer appurtenances for the Public Services Department, Maintenance and Service Division, for FY 2027, pending budget approval.

17. Approve the blanket purchase orders for the specific vendors for a total amount of $173,000. for hot and cold mix asphalt, trees, and various concrete supplies to maintain streets throughout the city for the Public Services Department, Streets Division FY2027, pending budget approval.

18. Approve the blanket purchase orders for the specified vendors for a total amount of $116,500 for the purchase of various parts and supplies for the Public Services Department, Traffic Engineering Division, for FY2027, pending budget approval.

19. Approve the contract with L. D'Agostini & Sons, Inc. for $2,684,776 for the North Mason Watermain & Dead-End Looping project for the Public Services Department, Engineering Division.

20. Approve the purchase with Holzberg Communications Inc. for $2,728 for an LMI Ferric Pump for the Water and Wastewater Treatment Services Department, Water Treatment Division.

21. Approve the blanket purchase orders for the specified vendors for a total amount of $52,000 for various network and server parts and supplies that are needed to operate and maintain the Water and Wastewater Treatment Services Department, Instrumentation and Process Controls Division for FY2027, pending budget approval.

22. Approve the blanket purchase orders for the specified vendors for a total amount of $153,000 for services needed for the Water and Wastewater Treatment Services Department, Wastewater Treatment and Pumping, and Remote Facilities Divisions, for FY2027, pending budget approval.

23. Approve the contract with John E. Green Company, for $1,981,940 for the WTP Sodium Hypochlorite & Lime Feed Improvements project for the Water and Wastewater Treatment Services Department, Water Treatment Division.

24. Approve the blanket purchase orders for the specified vendors for a total amount of $282,800 for the purchase of various parts and supplies that plant personnel need to operate and maintain the Water and Wastewater Treatment Services Department, Wastewater Treatment and Pumping and Remote Facilities Divisions, for FY 2027, pending budget approval.

25. Approve the purchase with Monarch Welding and Engineering Inc., for $52,800 for 20" piping replacement for the Water and Wastewater Services Department, Treatment and Pumping Division.

26. Approve the contract with Super Construction LLC, for $1,526,335 for the Lead Service Line Replacement (C-1725) project for the Public Services Department, Engineering Division.

27. Approve the blanket purchase orders for the specified vendors for a total amount of $180,000, for various parts, supplies, electrical, and mechanical repair services that will be needed to operate and maintain the Water and Wastewater Treatment Services Department, Water Treatment Division for FY2027, pending budget approval.

Moved by Council Member Balls, seconded by Council Member Seals to approve items 4, 12, 15, 18, and 24. 9 ayes, 0 nays, 0 absent. Motion approved.

Moved by Council Member Hammond, seconded by Council Member Seals to approve item 26. 9 ayes, 0 nays, 0 absent. Motion approved.

Appointment of Board/Commission/Committee Members

Moved by Council Member Seals, seconded by Council Member Wiggins to approve the following:

1. Approve the reappointment of Susanne Smokoska to the Human Planning Commission with a term to expire April 1, 2028.
2. Approve the reappointment of Ronald Wheatley to the Housing Board of Appeals with a term to expire April 1, 2028.
3. Approve the appointment of Tobias Young to the Riverfront Development Commission with a term to expire May 1, 2031.
4. Approve the appointment of Donald Watson to the Saginaw Housing Commission with a term to expire May 1, 2031.

9 ayes, 0 nays, 0 absent. Motion approved.

Ordinance Adoption

Moved by Mayor Pro Tem Garcia seconded by Council Member Seals to adopt an ordinance to amend §153-2.2 “Definitions,” §153-3.1.C(3) “Special Land Uses,” §153-3.1.F(2) “Permitted Uses,” and by adding new section §153-4.35 titled “Micro Dwelling Unit/Micro Dwelling Unit Development” of Chapter 153, “Zoning Code,” of Title XV, “Land Usage,” of the City of Saginaw Code of Ordinances, O-204. Discussion was held.

Council Member Balls left the meeting at 7:43 p.m.

Moved by Council Member Young, seconded by Council Member Seals to call the question on the motion to adopt the ordinance amendment.

Mayor Moore asked Clerk Bolzman to conduct a roll call vote on the motion to call the question.

Ayes: Young, Seals, Garcia, Ostash, Braddock, Moore
Nays: Wiggins, Hammond
Absent: Balls
Motion approved.

Council Member Balls returned to the meeting at 7:46 p.m.

Mayor Moore asked Clerk Bolzman to conduct a roll call vote on the motion to adopt the ordinance amendment.

Ayes: Young, Seals, Balls Garcia, Ostash, Braddock, Wiggins, Moore
Nays: Hammond
Absent:
Motion approved.

Resolutions

Moved by Council Member Seals, seconded by Mayor Pro Tem Garcia to adopt a resolution approving the Fiscal Year 2026-2027 Proposed Budget and Property Tax Millage. 9 ayes, 0 nays, 0 absent. Motion approved.

Moved by Council Member Wiggins, seconded by Council Member Seals to adopt a resolution approving the Special Assessment District for a Police and Fire Millage for Fiscal Year 2026-2027. 9 ayes, 0 nays, 0 absent. Motion approved.

Moved by Council Member Balls, seconded by Council Member Seals to adopt a resolution approving the Downtown Development Authority District millage to be levied on properties within the district. 9 ayes, 0 nays, 0 absent. Motion approved.

Moved by Mayor Pro Tem Garcia, seconded by Council Member Wiggins to adopt a resolution adopting the final Project Planning Document Amendment for Water Main Improvements and designate an Authorized Project Representative. 9 ayes, 0 nays, 0 absent. Motion approved.

Moved by Council Member Wiggins, seconded by Mayor Pro Tem Garcia to adopt a resolution tentatively awarding a Construction Contract for N. Mason Water Main & Dead-End Looping DWSRF 7900.01 (C-1724). 9 ayes, 0 nays, 0 absent. Motion approved.

Moved by Council Member Seals, seconded by Council Member Young to adopt a resolution tentatively awarding a Construction Contract for Water System Improvements for Lead Service Line Replacements (C-1725). 9 ayes, 0 nays, 0 absent. Motion approved.

Moved by Mayor Pro Tem Garcia, seconded by Council Member Seals to adopt a resolution authorizing the issuance of Water Supply System Junior Lien Revenue Bonds, Series 2026. 9 ayes, 0 nays, 0 absent. Motion approved.

Adjournment

Moved by Council Member Seals, seconded by Mayor Pro Tem Garcia to adjourn the meeting at 7:54 p.m. 9 ayes, 0 nays, 0 absent. Motion approved.

Submitted by,

Kristine Bolzman, MiPMC/CMC
City Clerk

#26-06

Petition for Banner

CITY CLERK'S OFFICE
MAY 15 2026
RECEIVED
SAGINAW, MI

PETITION CAN NOT BE ACCEPTED SIX (6) MONTHS PRIOR TO EVENT

We, the undersigned, do hereby petition the Honorable City Council to give favorable consideration to erect a banner at **one or two** locations marked below. We understand that the **$150.00 banner fee per location** must be paid to prior to display at either the Engineering Department or the Treasurer's Office. Banners must be made to City specifications. Display start and end dates cannot be on a weekend and cannot exceed a 30-day span.

- ☐ 500 Block of Court Street
- ☒ 300 Block of South Michigan
- ☐ 200 Block of West Genesee
- ☒ 1000 Block of East Genesee Avenue

Saginaw African Cultural Festival, Inc.
Organization Name

Promote the 3-day festival
Purpose of Banner

BANNER MESSAGE: Saginaw African Cultural Festival - August 14, 15 and 16, 2026

DISPLAY: July 17, 2026 to August 17, 2026
Deliver to Engineering Dept. within 2 weeks of this date — Pick-up within 10 days after this date or they will be disposed of

PETITIONER/S:

1 Alexis Thomas

2 Christopher Foxx

CONTACT:

NAME Alexis Thomas PHONE

ADDRESS 1840 North Michigan Avenue, Suite 14, Saginaw, Michigan. 48602

EMAIL saginawacf2015@gmail.com

Please email completed form to: clerk@saginaw-mi.com

---------- **CLERK'S OFFICE USE ONLY** ----------

RECEIVED BY: BC DATE: 4.15.26

COUNCIL APPROVED:

Kristine Bolzman, CMC
CITY CLERK

#24-07

SAGINAW COMMUNITY FOOD CLUB & KITCHEN

May 22, 2026

Saginaw City Council
1315 S. Washington Ave.
Saginaw, MI 48601

RE: Request for Local Governing Body Resolution for Charitable Gaming License

Dear Members of the Saginaw City Council,

I am writing on behalf of the Saginaw Community Food Club and Kitchen to formally request a local governing body resolution. This resolution is required for our upcoming Michigan charitable gaming license application. We plan to host our annual "Fall Fling" fundraising event in September 2026.

The Saginaw Community Food Club and Kitchen is a registered non-profit organization dedicated to fighting food insecurity in our community. We provide nutritious groceries and nutrition education to local families who qualify. The Fall Fling will be our largest charity event of the year. The proceeds directly fund our operations.

To maximize our fundraising efforts, we intend to host a charity raffle during the event. The Michigan Bureau of State Lottery requires a resolution from the local council stating that our organization is recognized as a non-profit operating in the community before they can issue a gaming license.

We respectfully request that the City Council consider and approve this resolution at your next scheduled meeting. I have attached our 501(c)(3) determination letter and organization bylaws for your review.

Thank you for your time, consideration, and continued support of our mission to feed Saginaw families. Please let me know if you require any additional information.

Sincerely,

Tina Swanton

Tina Swanton, President and CEO
swanton@saginawfoodclub.org

Council Communication

Item Number: 4.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: May Budget Adjustment

Prepared By: Yolanda Bland, Director of OMB

Manager's Recommendation:

Approve the amendments to the 2025/2026 Approved Budget for the listed funds. This adjustment is required to recognize any errors, omissions, or changes that have occurred within the month of May.

Justification:

The 2025/2026 annual budget will be adjusted in accordance with Public Act 2 of 1968, Uniform Budgeting and Accounting Act, the City Charter; and the approved 2026 Budget Resolution, which states that the City Manager must provide budget adjustments to City Council quarterly and/or as needed. As a result of the City Manager's monthly analysis for May, the below-mentioned budget adjustments take into consideration any errors, omissions, or changes in the funding levels and expenditure approved by the City Council as prescribed by the City Charter.

In review of the General Fund, it is recommended that this fund be increased by $3,388,914 from $48,031,498 to $51,420,412 for the following reasons:

· A budget adjustment is required to recognize unanticipated revenues in a total amount of $20,240 for Community Public Safety – Police. Revenues will be realized in the General Fund Revenues, Witness Fees Account No. 101-000.00-607.003 of $25 for the billing of witness fees in the month of April; and Billable Overtime Account No 101-000.00-607.016 of $20,215 as a reimbursement from Consumers Energy for overtime detail. To offset the increase in revenues, there will be an increase to Community Public Safety – Police, Police Patrol Division Billable Overtime Account No. 101-302.00-704.001 of $20,215 and to Community Public Safety – Police, Police Building Maintenance Division, Parts and Supplies Account No. 101-303.000-742.000 of $25.

· A budget adjustment is required to recognize the federal reimbursement of $62,590 for Community Public Safety – Fire for overtime incurred from training that was provided in February and May. Revenues will be realized in the General Fund Revenues, Fire Federal Grant Account No. 101-000.00-505.008 of $62,590. To offset the increase in revenues, there will be the same increase to the General Fund, Community Public Safety – Fire, Fire Operations Overtime Account No. 101-341.01-704.000.

· A budget adjustment is required to recognize paid-time-off and compensatory payouts of $137,084. These expenditures cover the retirement of three public safety and eight non-public safety employees. Expenditures will be recognized throughout the General Fund. To offset these expenditures, there will be an appropriation of available fund balance.

· A budget adjustment is required to recognize a credit of $170,000 from Consumers Energy for engineering services for the Medical Diamond electrical burial. Revenues will be realized in the General Fund, Reimbursement Account No. 101-000.00-676.000 of $170,000. To offset the increase in revenues, there will be the same increase to the Department of Public Services, HUD Community Project Fund Division, Professional Services Account No. 101-456.00-801.000.

· A budget adjustment is required to recognize revenues received from the 2023 HUD Community Project Fund, in the amount of $2,999,000, for the burial of utility lines for the Medical Diamond Project from the Department of Housing and Urban Development. Revenues will be realized in the General Fund Revenues, Federal Grant Account No. 101-000.00-505.000. To offset the increase revenues there will be the same increase to the General Fund, Other General Fund Expenditures, Increase to Fund Equity, Fund Equity Account No. 101-932.00-969.001.

The Andersen Enrichment Center Operations Fund (236) will increase $12,000, from $183,860 to $195,860. This increase is to recognize funds received for the rental of the Center for City Council Meetings as well as reimbursement from Hemlock Semiconductor for services provided. Revenues will be realized in this fund's Andersen Center Rentals Account No. 236-000.00-667.005 of $12,000. To offset the increase in revenues, there will be the same increase to the Food Supplies Account No. 236-754.00-731.000.

In review of the Drug Forfeiture Fund (262), it is recommended that this fund should be increased by $821, from $49,057 to $49,878. This increase is to recognize unanticipated interest of $24 as well as the sale of property items of $797. Revenues will be recognized in this fund's Interest on Investments Account No. 262-000.00-665.000 of $24 and Sale of Property Items Account No. 262-000.00-693.003 of $797. To offset the increase in revenues, there will be an increase to this fund's Parts and Supplies Account No. 262-312.01-742.000 of $821.

The Local Law Enforcement (JAG) Grant (266) should be increased by $105, from $41,898 to $42,003. This increase is to recognize unanticipated interest of $105. Revenues will be recognized in this fund's Interest on Investments Account No. 266-000.00-665.000 of $105. To offset this increase in revenues, there will be the same increase to this fund's JAG 2025 Division, Vehicle Account No. 266-307.35-982.000.

The Water Operations and Maintenance Fund (591), it is recommended that this fund should be increased by $4,707,082, from $80,846,526 to $85,553,608 for the following reasons:

· This adjustment is required to recognize the federal grant funds for the Elevated Water Tower project of $4,546,379. Revenues will be recognized in this fund's Other Federal Grants Account No. 591-000.00-502.027 of $4,546,379. To offset the increase in revenues, there will be the same increase to this fund's Surplus Division, Construction Project Account No. 591-546.01-955.003.

· Additionally, an adjustment is required to recognize the award from the 3M PWS settlement to the City of Saginaw for potential PFAS contamination of the Water System. The city received $113,210. This adjustment is to recognize the third quarter allocation. Revenues will be recognized in this fund's PFAS Settlement Payment Account No. 591-000.00-678.000 of $113,210. To offset the increase in revenues, there will be the same increase to this fund's Surplus Division, Engineering Services Account No. 591-546.01-802.000.

· Finally, an adjustment is required to recognize the $47,493 award from the BASF PWS Settlement to the City of Saginaw for potential PFAS contamination of the Water System. Revenues will be recognized in this fund's PFAS Settlement Payment Account No. 591-000.00-678.000 of $47,493. To offset the increase in revenues, there will be the same increase to this fund's Surplus Division, Engineering Services Account No. 591-546.01-802.000.

The Motor Pool Operations Fund (661) should be increased by $44,800, from $3,192,391 to $3,237,191. This increase is to recognize additional funds required from the user departments for services provided by the Motor Pool. Revenues will be realized in this fund's Contribution from Other Funds – Variable Account No. 661-000.00-677.005 of $44,800. To offset the increase in revenues, there will be the same increase to the Motor Pool Fund, Garage Operations Division, Motor Vehicle Supplies of $44,800.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 5.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Yeo & Yeo Professional Services Migrating Virtual Server Software

Prepared By: Jeff Klopcic, Director of Technical Services

Manager's Recommendation:

Approve the purchase with Yeo & Yeo Technology for $14,400 for professional services to migrate the City's virtual server environment from the VMware platform to Hyper-V for the Technical Services Department, Information Services Division.

Justification:

On May 12, 2026, the City received a quote from Yeo & Yeo for professional services to migrate the City's existing virtual servers from the VMware platform to Hyper-V. Yeo & Yeo serves as the City's reseller and support provider for virtual server software and related infrastructure services.

The Technical Services Department received this year's annual VMware software maintenance and support renewal, which increased from $12,544 to $33,641, representing a significant cost increase. Hyper-V virtualization software is included as part of the City's existing Microsoft Enterprise Agreement, resulting in no additional software licensing costs. The proposed expense to Yeo & Yeo Technology would be a one-time fee for migration services to transition the City's virtual server environment from VMware to Hyper-V.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Technical Services - Information Services Fund, Professional Services Account No. 658-228.00-801.000.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 6.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Indoor Gun Range Cleaning Services

Prepared By: Brian Rowell, Administrative Professional

Manager's Recommendation:

Approve the annual purchase with Best Technology Systems, Inc. for $8,200 for FY 2027, and pending budget approval, $8,375 for FY 2028, and $8,550 for FY 2029 for indoor gun range cleaning services for the Police Department.

Justification:

On April 28, 2026, the Police Department received one sole bid for the annual environmental lead removal and maintenance of the indoor Small Arms Range. Lead is the primary metal used in ammunition, is a hazardous material, and exposure to it is a known health risk. To safeguard employees who populate the facility, this hazardous material must be professionally removed.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the General Fund, Community Public Safety - Police, Police Administration Division, Operating Services, Account No. 101-305.00-805.000.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 7.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: SCBA Cylinder Purchase

Prepared By: Brandon Hausbeck, Fire Chief

Manager's Recommendation:

Approve the purchase with Municipal Emergency Services (MES), a sole source, for $24,800 for 20 Self-Contained Breathing Apparatus (SCBA) cylinders for the Fire Department.

Justification:

The Fire Department received a federal grant award for 41 new SCBA. The grant stipulated the number of cylinders that could be provided via the grant award, which fell short of the department’s needs. These 20 cylinders are necessary to keep an adequate number of reserve bottles on hand during fire incidents.

On April 10, 2026, MES provided a quote as they are the sole source vendor that was awarded the grant purchase.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing,” of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the General Fund, Community Public Safety - Fire, Fire Operations Division, Parts and Supplies Account No. 101-344.01-742.000.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 8.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Ratification of Emergency Purchase – Rescue 1 Repair

Prepared By: Brandon Hausbeck, Fire Chief

Manager's Recommendation:

Ratification of an emergency purchase with The W.W. Williams Company LLC for $5,676 for repair of the radiator on Rescue 1 for the Fire Department.

Justification:

A significant leak was found coming from Rescue 1’s radiator. The radiator needs to be repaired via a recore, which is a significant savings compared to a new radiator. W.W. Williams is a certified local service provider and is able to rebuild the radiator. On May 14, 2026, an emergency purchase order #524808 was issued to The W.W. Williams Company LLC.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing,” of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the General Fund, Community Public Safety - Fire, Fire Apparatus Operations/Maintenance Division, Motor Vehicle Repairs Account No. 101-347.01-931.000.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 9.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Blanket Purchase Orders for FY 2027 Facilities

Prepared By: Jay Gustin, Facilities Administrator

Manager's Recommendation:

Approve the blanket purchase orders to specified vendors for $24,000 for various parts and supplies for the Public Services Department, Facilities Division for FY 2027.

Justification:

These vendors are either a sole source, local business, Source-well affiliate or continually provide the lowest prices and quality products giving us the ability to streamline procurement for recurring needs, significantly reducing administrative costs and processing time for individual orders. We are requesting authorization to issue blanket purchase orders as follows:

Vendor	Amount	GL Account #
Hoffman's Power Equipment Saginaw, MI (out-city)	$8,000.00	101-265.00-742.000 (50%) 101-770.00-742.000 (25%) 101-567.00-742.000 (25%)
Lansing Sanitary Supply, Inc. Lansing, MI	$6,000.00	101-265.00-735.000 (80%) 601-441.00-735.000 (13%) 101-756.00-735.000 (7%)
Hubbard Supply Co. Saginaw, MI (out-city)	$5,000.00	101-265.00-735.000 (50%) 601-441.00-735.000 (50%)
Wohlfiel Hardware & Tools Saginaw, MI (out-city)	$5,000.00	101-265.00-742-000 (57%) 101-756.00-742.000 (10%) 601-441.00-742.000 (33%)

These vendors meet all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the General Fund, Department of Public Services, Facilities Division, Parts and Supplies Account No. 101-265.00-742.000 $6,850.00, the Cleaning

Supplies Account No. 101-265.00-735.000 $7,300.00, the Parks Grounds Maintenance Division, Parts & Supplies Account No. 101-770.00-742.000 $2,000.00, the Celebration Park Division, Parts and Supplies Account No. 101-756.00-742.000 $500.00, the Cleaning Supplies Account No. 101-756.00-735.000 $420.00, the Cemeteries Division, Parts & Supplies Account No. 101-567.00-742.000 $2,000.000 and the Public Works Building Fund, Parts & Supplies Account No. 601-441.00-742.000 $1,650.00 and Cleaning Supplies Account No. 601-441.00-735.000 $3,280.00 for FY 2027.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 10.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Mower Replacement – Cemeteries & Facilities

Prepared By: Jay Gustin, Facilities Administrator

Manager's Recommendation:

Approve the purchase with Hoffman’s Power Equipment, Inc. for $37,900 for two 72” mowers for the Public Services Department, Cemeteries Division, and one 60” mower for the Public Services Department, Facilities Division.

Justification:

On April 24, 2026, a quote was received that includes two 72" mowers for cemetery operations. These units will replace older, larger mowers currently used in open areas and will support the maintenance of over 300 acres of cemetery grounds. The quote also includes one 60" mower for the Facilities Department, which will be used as needed to assist with mowing during peak season.
The total cost for all three mowers is $45,500. With a trade-in value of $7,600.00 for older, unusable equipment (listed below), for a final purchase price of $37,900.00. The equipment being traded in includes:

- Two Toro 4000 mowers (purchased in 2003), with 4,559 and 3,891 hours, both beyond their expected service life
- One 60" Toro mower with 2,210 hours

All traded units require major repairs that exceed their current value. Hoffman's Power Equipment is a Sourcewell dealer, and the quoted pricing is below Sourcewell contract pricing

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing,” of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204

Funds are available in the General Fund, Department of Public Services, Cemeteries Operation Division, Maintenance Equipment Account No. 101-567.00-978.000 $22,800.00 and Facilities Division, Maintenance Equipment Account No. 101-265.00-978.000 $15,100.00.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 11.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Hauling and Disposal of Street Sweeping Debris

Prepared By: Brett Reid, Chief Foreman

Manager's Recommendation:

Approve the purchase with Republic Services for $157,315 for the hauling and disposal of street sweeping debris for the Public Services Department, Streets Division for FY 2027.

Justification:

On July 22, 2024, Council approved the contract with Republic Services for the hauling and disposal of street-sweeping debris for FY 2025 and FY 2026. On April 15, 2026, Republic Services agreed to extend their 2nd-year pricing of $42.90/ton for the period of July 1, 2026 through June 30, 2027. The contractor is responsible for all landfill fees, obtaining all necessary State and City permits and licenses, and complying with all laws, governmental regulations, and ordinances. The Contractor shall pick up all street sweeping debris from the City's compost facility on Veteran's Memorial Highway (M-13). It is estimated that there will be approximately 3,667 tons of street sweeping debris to dispose of each fiscal year.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Sewer Operations and Maintenance Fund, Catch Basin Cleaning Division, Operating Services Account No. 590-547.00-805.000 for FY 2027.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 12.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Public Works Office Area Roof Replacement

Prepared By: Jay Gustin, Facilities Administrator

Manager's Recommendation:

Approve a purchase with Source One Construction, LLC for $63,600 to furnish and install a new Duro-Last roof at the Public Works Building for the Public Services Department, Facilities Division.

Justification:

On April 21, 2026, the Facilities Department received bids for the replacement of the roofing system located above the office area of the Public Works Building. The existing roof has exceeded its expected service life and has undergone numerous patches and repairs over the years. Due to its deteriorating condition, it is no longer considered repairable.The proposed replacement includes installation of a new Duro-Last roofing system designed to improve energy efficiency and includes a 20-year warranty. The energy-efficient design also assisted the City in securing funding through the Energy Efficiency & Conservation Block Grant to help offset the cost of the project. The following is a tabulation of the bids received:

Vendor	Cost
Source One Const. LLC Wixom, MI	$63,600.00
Beyer Roofing Co. Inc. Saginaw, MI (out-city)	$79,040.00
Mid Michigan Roofing, LLC Saginaw, MI (out-city)	$97,660.00
Versatile Contracting LLC Saginaw, MI (out-city)	$116,000.00

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Public Works Building Fund, Repairs & Replacements, Account No. 601-441.00-974.000.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 13.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Bit-Mat Products of Michigan

Prepared By: Brett Reid, Chief Foreman

Manager's Recommendation:

Approve the purchase with Bit-Mat Products of Michigan for $22,500 for tack coat and emulsified asphalt for the Public Services Department, Streets Division for FY 2027.

Justification:

On April 15, 2025, a sole bid was received for a purchase of 6,000 gallons of HF RS-2 Anionic Emulsified Asphalt and 1,500 gallons of LTBC-2 Tack Coat. On April 9, 2026, Bit-Mat Products of Michigan, being the only vendor able to provide these materials, offered a $3.00/Gal price. The Streets Division requires these materials to perform road repairs on City streets using hot-mix asphalt and the Durapatch machine.

Vendor	Material	Unit Price	Total Cost
Bit-Mat Products of Michigan	Emulsified Asphalt	$3.00/Gal	$18,000.00
Bay City, MI	Tack Coat	$3.00/Gal	$4,500.00
	Total Costs		$22,500.00

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Major Street Fund, Routine Maintenance Division, Street and Road Materials Account No. 202-449.02-743.000 $10,125.00 and the Local Streets Fund, Routine Maintenance Division, Street and Road Materials Account No. 203-449.02-743.000 $12,375.00 for FY 2027.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 14.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Purchase of Crushed Stone

Prepared By: Brett Reid, Chief Foreman

Manager's Recommendation:

Approve the purchase with Wirt Stone Dock for $6,300 for crushed stone for the Durapatch Machine for the Public Services Department, Streets Division for FY 2027.

Justification:

On April 16, 2024, the Streets Division received a sole bid from Wirt Saginaw Stone Dock for $21.00 per ton for crushed stone for FY 2025, and FY 2026. On April 24, 2026, Wirt Saginaw Stone Dock offered a one-year price extension on sealed bid #P1996-23 Crushed Washed Stone from the April 16, 2024 bid. The Streets Division requires a crushed stone to make road repairs on city streets using the Durapatch Machine. It is estimated that we use 300 tons of crushed stone annually.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Major Street Fund, Routine Maintenance Division, Street and Road Materials Account No. 202-449.02-743.000 $3,150.00 and the Local Street Fund, Routine Maintenance Division, Street and Road Materials Account No. 203-449.02-743.000 $3,150.00 for FY 2027.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 15.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Convenience Station Containers and Trash Disposal

Prepared By: Brett Reid, Chief Foreman

Manager's Recommendation:

Approve the purchase with GFL Environmental for $30,800 for trash containers and trash disposal at the City's Convenience Station for the Public Services Department, Streets Division for FY 2027.

Justification:

On March 30, 2026, GFL Environmental agreed to hold the second year pricing ($440.00 per 40-cubic-yard container) and all other terms of bid #P2011-24 beginning July 1, 2026, through June 30, 2027. This service requires the vendor to supply 40-cubic-yard containers each month for the collection of trash at the Convenience Station. It is estimated that 70 containers will be utilized every fiscal year.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Rubbish Collection Fund, Rubbish Collection Division, Operating Services Account No. 226-521.00-805.000 for FY 2027.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 16.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Blanket Purchase Orders for Miscellaneous Parts and Supplies

Prepared By: Wayne Tornberg, Assisstant Superintendent of Maintenance & Service

Manager's Recommendation:

Approve the blanket purchase with the specified vendors for $21,000 for miscellaneous parts and supplies for the Public Services Department, Maintenance and Service Division for FY 2027.

Justification:

The Maintenance and Service Division requires the ability to purchase hand tools (i.e. shovels, rakes, sledgehammers, wrenches and sockets), sump pumps, pump parts, small engine parts, specialty fittings and hydraulic hoses throughout the fiscal year. Establishing blanket purchase orders allows the Maintenance and Service Division to efficiently purchase needed items directly from approved local vendors without issuing individual purchase orders for each transaction.

Vendor	Amount
Grainger, Inc. Saginaw, MI (out-city)	$8,000.00
Larry’s Auto Supply Saginaw, MI (in-city)	$5,000.00
Hoffman’s Power Equipment, Inc. Saginaw, MI (out-city)	$4,000.00
Ritter Technology, LLC Saginaw, MI (out-city)	$4,000.00

These vendors meet all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing,” of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operation and Maintenance Fund, Maintenance and Service Division, Parts and Supplies Account No. 591-541.01-742.000 $10,500.00 and Sewer Operations and Maintenance Fund, Maintenance and Service Division, Parts and

Supplies Account No. 590-541.02-742.000 $10,500.00 for FY 2027.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 17.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Blanket Purchase Orders for HMA, CMA and Tack Cleaner

Prepared By: Wayne Tornberg, Assisstant Superintendent of Maintenance & Service

Manager's Recommendation:

Approve the blanket purchase with the specified vendors for $455,000 for roadway restoration materials for the Public Services Department, Maintenance and Service Division for FY 2027.

Justification:

The Maintenance and Service Division performs approximately 900 water and sewer excavations annually for the repair of the City's water and sewer utilities located within the right-of-way. The Maintenance and Service Division requires the ability to purchase hot mix asphalt and ARCS-250 tack cleaner for proper permanent restoration of the roadways and cold mix asphalt for temporary restoration in the winter months when hot mix asphalt is not available.

Ace-Saginaw Paving Company is the only local provider of hot mix asphalt within a 10-mile radius of the City that meets Michigan Department of Transportation specifications. Unique Paving Materials Corp. and Arrow-Magnolia International, Inc. are sole-source providers for their respective products.

Vendor	Amount
Ace-Saginaw Paving Company Saginaw, MI (out-city)	$250,000.00
Unique Paving Materials Corp. Cleveland, OH	$200,000.00
Arrow-Magnolia International, Inc. Dallas, TX	$5,000.00

These vendors meet all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operation and Maintenance Fund, Lead & Copper

Service Line Maintenance Division, Street and Road Materials Account No. 591-543.00-743.000 $227,500.00, Maintenance and Service Division, Street and Road Materials Account No. 591-541.01-743.000 $113,750.00 and in the Sewer Operation and Maintenance Fund, Maintenance and Service Division, Street and Road Materials Account No. 590-541.02-743.000 $113,750.00 for FY 2027.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 18.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Blanket Purchase Orders for Water Meter Supplies

Prepared By: Wayne Tornberg, Assisstant Superintendent of Maintenance & Service

Manager's Recommendation:

Approve the blanket purchase with the specified vendors for $215,000 for water meter supplies for the Public Services Department, Maintenance and Service Division for FY 2027.

Justification:

The Maintenance and Service Division requires the ability to purchase water meters, meter related tools and meter reading components on a short notice or on an emergency basis throughout the fiscal year. Establishing a blanket purchase order allows the Maintenance and Service Division to purchase needed items directly from approved vendors without issuing individual purchase orders for each transaction. The City of Saginaw primarily uses Sensus water meters in residential homes and commercial/industrial buildings. These meters are the most compatible with the City’s Automated Meter Reading System, providing ease and cost efficiency in installation and operation. Water usage for the City’s wholesale customers is primarily monitored by Neptune water meters.

ETNA Supply Company is the sole source supplier in the State of Michigan for Sensus water meters. Ferguson Waterworks is the sole source supplier in the State of Michigan for Neptune water meters.

The Maintenance and Service Division requires the ability to purchase water meters, meter related tools and meter reading components on a short notice or on an emergency basis throughout the fiscal year. Establishing a blanket purchase order allows the Maintenance and Service Division to purchase needed items directly from approved vendors without issuing individual purchase orders for each transaction.

The City of Saginaw primarily uses Sensus water meters in residential homes and commercial/industrial buildings. These meters are the most compatible with the City’s Automated Meter Reading System, providing ease and cost efficiency in installation and operation. Water usage for the City’s wholesale customers is primarily monitored by Neptune water meters.

ETNA Supply Company is the sole source supplier in the State of Michigan for Sensus water meters. Ferguson Waterworks is the sole source supplier in the State of Michigan for Neptune water meters.

Vendor	Amount
ETNA Supply Company	$ 200,000.00
Ferguson Waterworks	$ 15,000.00

These vendors meet all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operation and Maintenance Fund, Meter Maintenance and Service Division, Repairs and Replacements Account No. 591-540.01-974.000 $107,500.00 and Sewer Operations and Maintenance Fund, Meter Maintenance and Service Division, Repairs and Replacements Account No. 590-540.02-974.000 $107,500.00 for FY 2027.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 19.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Annual Excavated Spoils Receiving

Prepared By: Wayne Tornberg, Assisstant Superintendent of Maintenance & Service

Manager's Recommendation:

Approve the a purchase with Eggers Excavating LLC for $25,000 for receiving excavated spoils for the Public Services Department, Maintenance and Service Division for FY27.

Justification:

On June 10, 2025, the Maintenance and Service Division received a single bid for spoil removal services. The single bid we received was disqualified due to the distance from the City of Saginaw to the dumping yard. Sending trucks 13 miles outside city limits to the dump site location would have reduced departmental efficiency. On June 17, 2025, the Maintenance and Service Division received a quote for disposing of 25,000 cubic yards of excavation spoils consisting of concrete, asphalt, clay, and sand from Eggers Excavating LLC. The Maintenance and Division performs approximately 900 excavations in the repair of the City's water distribution, transmission and sewer collection systems in the City's Right of Way annually. On April 30, 2026, Eggers Excavating, LLC agreed to extend its FY26 bid pricing for FY27.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operations and Maintenance Fund, Maintenance and Service Division, Operating Services Account No. 591-541.01-805.000 $8,250.00, Lead and Copper Service Line Maintenance Division, Operating Services Account No. 591-543.00-805.00 $8,500.000 and the Sewer Operations and Maintenance Fund, Maintenance and Service Division, Operating Services Account No. 590-541.02-805.000 $8,250.00 for FY27.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 20.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Repair Part for Derrick Digger Vehicle

Prepared By: Alex Niedecken, Motor Pool Administrator

Manager's Recommendation:

Approve the purchase with Versalift for $8,178 for a rear outrigger cylinder assembly part for the Public Services Department, Motor Pool Division.

Justification:

The City’s Municipal Garage requires this part to service a unit known as a derrick digger. The current unit, #30-0846, is used for pole setting. The unit’s current cylinder is leaking, and if the cylinder fails, it could cause significant mechanical damage or create a potential safety concern, resulting in the vehicle being downed. This is a critical component because it stabilizes the vehicle during operation and supports operational needs, such as storm response events.Versalift is the sole authorized dealer for TIME Manufacturing Company, the manufacturer of this part. Costs may fluctuate due to estimated shipping and handling charges.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing,” of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Motor Pool Operation Fund, Garage Operations Division, Motor Vehicle Supplies Account No. 661-272.03-737.000.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 21.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Annual Supply of 60/40 Gravel

Prepared By: Wayne Tornberg, Assisstant Superintendent of Maintenance & Service

Manager's Recommendation:

Approve the purchase with Champagne & Marx Excavating, Inc. for $13,835 for approximately 500 tons of 60/40 Gravel for the Public Services Department, Maintenance and Service Division for FY27.

Justification:

On May 30, 2023, the City received multi-year bids for 60/40 gravel. The Maintenance and Service Division uses different types of aggregate materials daily in the maintenance and repair of the City's water distribution and sewer collection systems. On March 13, 2026, Champagne & Marx Excavating, Inc., the low bidder, agreed to extend its FY 26 bid pricing for FY 27.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operations and Maintenance Fund, Maintenance and Service Division, Parts and Supplies Account No. 591-541.01-742.000 $6,917.50 and Sewer Operations and Maintenance Fund, Maintenance and Service Division, Parts and Supplies Account No. 590-541.02-742.000 $6,917.50 for FY27.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 22.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Annual Water Meter Testing

Prepared By: Wayne Tornberg, Assisstant Superintendent of Maintenance & Service

Manager's Recommendation:

Approve the purchase with Rapid Water Recovery Services, LLC (RWRS) for $27,860 for water meter testing services for the Public Services Department, Maintenance and Service Division for FY27.

Justification:

On June 28, 2022, the Maintenance and Service Division received multi-year bids for the annual testing of the City's 112 master meters servicing the wholesale customers (out-city), industries, and businesses within the City with large-volume water meter usage. Testing water meters ensures the accuracy of the meter. If the meter fails to test within the acceptable range, the meter will be repaired by the contractor to meet American Water Works standard for cold-water meters. On April 2, 2026, RWRS agreed to extend its FY26 bid pricing for FY27.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operations and Maintenance Fund, Meter Maintenance and Service Division, Operating Services Account No. 591-540.01-805.000, $13,930.00 and Sewer Operations and Maintenance Fund, Meter Maintenance and Service Division, Operating Services Account No. 590-540.02-805.000, $13,930.00 for FY27.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 23.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Annual Supply of Screened Topsoil

Prepared By: Wayne Tornberg, Assisstant Superintendent of Maintenance & Service

Manager's Recommendation:

Approve the purchase with Champagne & Marx Excavating, Inc., for $87,300 for screened topsoil for the Public Service Department, Maintenance and Service Division for FY 2027.

Justification:

On March 12, 2024, the City received bids for an annual supply of 4,850 tons of screened topsoil used by the Maintenance and Service Division to restore grass areas in the City's right-of-way disturbed by water and sewer excavations. On March 13, 2026, Champagne & Marx Excavating Inc., the low bidder, agreed to extend their FY26 bid pricing for FY27.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operation and Maintenance Fund, Maintenance and Service Division, Parts and Supplies Account No. 591-541.01-742.000 $21,825.00, and the Lead & Copper Service Line Maintenance Division, Parts and Supplies Account No. 591-543.00-742.000 $43,650.00 and in the Sewer Operation and Maintenance Fund, Maintenance and Service Division, Parts and Supplies Account No. 590-541.02-742.000 $21,825.00 for FY 2027.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 24.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Annual Supply of Dozing and Grading Services

Prepared By: Wayne Tornberg, Assisstant Superintendent of Maintenance & Service

Manager's Recommendation:

Approve the purchase with Champagne & Marx Excavating, Inc. for $16,409 for dozing and grading services for the Public Services Department, Maintenance and Service Division for FY27.

Justification:

On May 30, 2023, the Maintenance and Service Division received multi-year bids for dozing and grading of its First Street Spoils Dump Site on an “as needed” basis with three site visits annually. Excavated materials from approximately 900 water and sewer repairs per year are trucked to this site for disposal. On March 13, 2026, Champagne & Marx Excavating Inc., the low bidder, agreed to extend its FY26 bid pricing for FY27.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing,” of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operation and Maintenance Fund, Maintenance and Service Division, Operating Services Account No. 591-541.01-805.000 $8,204.99 and Sewer Operations and Maintenance Fund, Maintenance and Service Division, Operating Services Account No. 590-541.02-805.000 $8,205.00 for FY27.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 25.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Material Testing (P2065-25)

Prepared By: Travis Hare, Deputy Director of Public Works

Manager's Recommendation:

Approve the purchase with SMAC Testing, Inc. for a total amount not to exceed $375,000 for FY 2026 and FY 2027, and pending budget approval for FY 2028 for material testing services for the Public Services Department, Engineering Division.

Justification:

On May 13, 2025, the City received two qualified bids for material testing services. These services are necessary for quality control for road, water main and sewer construction and maintenance. Some projects use federal funds, and the Federal Highway Administration requires that all construction materials be tested by certified labs during production and placement. The bids were submitted based on estimated quantities for various types of testing services, but quantities will be as needed depending on the number and type of projects in each construction season. Individual purchase orders will be issued in the amounts required for each project according to the unit bid prices submitted. The following is a tabulation of the bids received:

Vendor		Cost
SMAC Testing Services, Inc.	FY 2026	$73,335
Saginaw, MI (Out-City)	FY 2027	$73,335
	FY 2028	$73,335
Professional Services Industries, Inc.	FY 2026	$87,470
Saginaw, MI (Out-City)	FY 2027	$87,470
	FY 2028	$87,470

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds for these services will be budgeted in the Fiscal Years in various departmental professional services accounts.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 26.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: 2026 Local Road Millage Resurfacing and Water Main Replacement

Prepared By: Ronald (Ron) Rangel-Reyes, Assisstant City Engineer

Manager's Recommendation:

Approve the contract with Lois Kay Contracting Co. for $2,976,140 for the 2026 Local Road Millage Resurfacing and Water Main Replacement project for the Public Services Department, Engineering Division.

Justification:

On May 12, 2026, the City received two qualified bids for the 2026 Local Road Millage Resurfacing and Water Main Replacement project C-1723. The contract includes pavement milling & resurfacing, miscellaneous curb & gutter replacement, ADA sidewalk ramp replacements, and restoration on Superior Street from W. Michigan to Arthur, Zauel Street from W. Michigan to Arthur, S. Wheeler Street from W. Michigan to Arthur, Grout Street from W. Michigan to Arthur, Maple Street from W. Michigan to Arthur, S. Niagara Street from Holmes to Arthur, Salt Street from Holmes to Dead-End South, Arthur Street from Superior to S. Niagara, Stanley Street from S. Wheeler to Salt, and Gilbert Street from S. Wheeler to Grout and Maple to Salt. The project also includes replacement of the water main on Arthur Street from Superior to S. Niagara and Maple Street from Arthur to W. Michigan.

The following is a tabulation of the bids received:

Vendor	Cost
Lois Kay Contracting, Co. Saginaw, MI (Out-City)	$2,976,139.40
Champagne & Marx Excavating Inc Saginaw, MI (Out-City)	$3,219,646.08

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Local Streets Fund, Street Projects – Sag County Road Millage Division, Construction Projects Account No. 203-451.01-955.003 $95,000, the Local Streets Fund, Public Services Street Resurfacing Division, Street Resurfacing

Account No. 203-449.01-955.002 $252,000, the Sewer Operations and Maintenance Fund, Surplus Division, Construction Projects Account No. 590-546.02-955.003 $166,650, the Water Operations and Maintenance Fund, Surplus Division, Construction Projects Account No. 591-546.01-955.003 $370,969.40, and is budgeted in the Major Street Fund, Streets Projects Division, Street Resurfacing Account No. 202-451.00-955.002 $388,400.40, the Local Streets Fund, Street Projects – Sag County Road Millage Division, Construction Projects Account No. 203-451.01-955.003 $703,119.60, and the Water Operations and Maintenance Fund, Surplus Division, Construction Projects Account No. 591-546.01-955.003 $1,000,000 for FY 2027.

I have approved the contract as to substance and the City Attorney as to form.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

1. C-1723 2026 Local Road Millage Resurfacing and Water Main Replacement

CITY OF SAGINAW
1315 S WASHINGTON AVE
SAGINAW MICHIGAN 48601

C-1723
2026 LOCAL ROAD MILLAGE RESURFACING AND WATER MAIN REPLACEMENT

BID OPENING TUESDAY, MAY 12, 2026 @ 3:00 PM

Council Meeting June 8, 2026
Lois Kay Contracting Co.
$2,976,139.40

TABLE OF CONTENTS
C-1723
2026 LOCAL ROAD MILLAGE RESURFACING AND WATER MAIN REPLACEMENT

CONTRACT ..... 3 pages
EXHIBIT A – Copy of bid ..... 7 pages
PERFORMANCE BOND ..... 4 pages
PAYMENT BOND ..... 4 pages
POWER OF ATTORNEY ..... 1 pages
INSURANCES ..... 35 pages
OCP'S ..... 10 pages

AS BID

SEALED BID INSTRUCTIONS 1
GENERAL INFORMATION 2
GENERAL INSTRUCTIONS TO BIDDERS 4
DIVISION 1: GENERAL CONDITIONS – CITY OF SAGINAW 11
NOTICE TO BIDDERS – CONSULTANTS/ INSURANCE/BONDS 32
NOTICE TO BIDDERS – IRAN SANCTIONS 36
NOTICE TO BIDDERS – PREFERENCE TO LOCAL BIDDERS 37
NOTICE INVITING SEALED BIDS 38
BID FORM 39
COPY OF CONTRACT 46
SCOPE OF WORK 49
PROGRESS CLAUSE 51
TECHNICAL SPECIFICATIONS 52
PRE-QUALIFICATION 53
SUBCONTRACTOR LIST 55
UTILITY COORDINATION 56
LIQUIDATED DAMAGES 57
AGGREGATE BASE 58
CONCRETE PAY ITEMS 59
CONCRETE CURB AND CONCRETE CURB & GUTTER 60
PAVEMENT AND CURBS 62
CONCRETE SIDEWALK 64
STRUCTURE ADJUSTMENTS 66
SHUTOFF AND MONUMENT BOX ADJUSTMENTS 68
MAINTAINING OF TRAFFIC 69
HOT MIX ASPHALT (HMA) APPLICATION ESTIMATE 71
PAVEMENT REMOVALS 72
TURF ESTABLISHMENT 74
ALTERATIONS TO THE MUNICIPAL WATER SYSTEM 80
SUBGRADE UNDERCUTTING 100

VERTICAL EXPLORATORY INVESTIGATION.....101
SIDEWALK GRADING, MODIFIED.....103
COLD-MILLING CONCRETE PAVEMENT.....104
DRAWINGS..... 105-129

MAP 1 (01A).....130

MAP 2 (01B).....131

CONTRACT

CITY OF SAGINAW, MICHIGAN

This Contract is entered into on this 8 day of June, 2026, between Lois Kay Contracting Co. of 3046 Carrollton Road Saginaw, MI 48604 (hereinafter "Contractor"), and the City of Saginaw, 1315 S. Washington Avenue, Saginaw, Michigan 48601 (hereinafter "City"), for **2026 Local Road Millage Resurfacing and Water Main Replacement, (C-1723).**

WHEREAS, Contractor, at a regular meeting of the Council of the City of Saginaw, held on June 8 2026, was awarded the contract for furnishing the necessary labor, equipment, materials, and construction for the completion of **2026 Local Road Millage Resurfacing and Water Main Replacement, (C-1723).**

Contractor, in consideration of the Agreement herein made by the City, agrees with the City as follows:

Article 1. SUBJECT MATTER. Contractor shall furnish all the materials, except those specified to be furnished by the City, and perform all the work for **2026 Local Road Millage Resurfacing and Water Main Replacement, (C-1723).** as listed on the Table of Contents, and as shown on the drawings prepared by the Department of Public Services, Engineering Division, and described in the specifications, and in accordance with the general conditions, the general instructions to bidders, the notice inviting sealed proposals and the proposal, all of which are hereby made a part of this Contract by reference as though fully set forth herein. The Contractor acknowledges Contractor has received a copy of all such documents.

Article 2. COMMENCEMENT OF WORK. The Contractor shall start work as specified in the Progress Clause**,** or as directed by the City Engineer and the work shall be carried on with due diligence, at such points and at such times and seasons, and with such force and in such manner as to secure the completion in accordance with the Progress Clause, the time of beginning, rate of progress and the time of completion being essential conditions of this Contract.

Article 3. PAYMENT. It is hereby mutually agreed that the City shall pay, and the Contractor receive, the sum of **$2,976,139.40,** same being the amount named in the Contractor's proposal or bid as full compensation for labor and materials required in executing all the work contemplated in this Contract, subject to additions and deductions, as provided in the specifications.

Article 4. ESTIMATES. The City hereby agrees to make payment under the restrictions and limitations herein contained, from time to time, on account of performance of this contract, by orders drawn upon the proper fund of the City, paying NINETY PERCENT (90%) thereof on the basis of estimates made by the Department of Public Services & Engineering semi-monthly as the work progresses, and approved by the City Engineer. Said estimates shall be made in writing and shall only include work done and material in place and shall not include completed work which, in the opinion of the City Engineer, is not advisable, for the protection of the City, at that time to

make payment on, and such estimates may be altogether withheld when, in the opinion of the City Engineer, work does not progress in accordance with the provisions of this Contract; and the making and furnishing of such estimates shall not be deemed or construed as an acceptance of any part of the work under this Contract. The City Engineer may authorize the reduction of the amount so withheld so that total payment equals NINETY-FIVE PERCENT (95%) of the estimate where the City Engineer shall find that the retention of FIVE PERCENT (5%) of the estimate is sufficient to protect the City, but the total amount so retained shall not in any event be reduced to less than FIVE PERCENT (5%) of the contract price above stated.

Article 5. RETENTION OF MONEYS. In addition to the TEN PERCENT (10%) of contract price above retained, to insure the completion of the work, the City reserves the right to retain at all times from the estimates, an amount sufficient to pay and discharge all debts incurred by Contractor, or subcontractor, for labor performed in the progress of the work, and for material purchased and used, and, at its discretion, to pay the same to the parties entitled thereto, and charge the same against the contract price.

Article 6. SEPARATE CONTRACTS. Where two or more separate proposals are grouped together herein, it is expressly agreed that each of said proposals shall constitute a separate contract and that all of the terms, conditions, and provisions of this Contract shall apply to each of said proposals to the same extent and in the same manner as though each of said proposals had been the subject of a separate contract.

Article 7. PUBLIC ACT 524 of 1980. Notwithstanding any provision herein to the contrary, this agreement is subject to 1980 PA 524, which statute is incorporated herein and made a part hereof by reference. Contractor hereby agrees that the City may, at its option, submit the following matters to dispute resolution by an agent agreed to or selected in accordance with the procedures set forth in the statute:

A. At any time during the term of the contract, to determine whether there has been a delay for reasons that were within the control of the Contractor, and the period of time that delay has been caused, continued, or aggravated by actions of the Contractor.
B. At any time after ninety-four percent (94%) of work under the Contract is in place, whether there has been an unacceptable delay by the Contractor in performance of the remaining six percent (6%) of work under the Contract. The agent shall consider the terms in the Contract and procedures normally followed in the industry and shall determine whether the delay was for failure to follow reasonable improvement practices in the industry for completion of the project.

The agent shall have all the rights, powers and duties specified in the statute.

Article 8. ACCEPTANCE AND FINAL PAYMENT. The final payment, including any retainage previously withheld, shall be payable on the approval and acceptance of the work by the City Engineer.

The payment of the final amount due under this Contract, and the adjustment and payment of all bills rendered for the work done in accordance with any alterations of same, shall release the City from any and all claims or liability on account of work performed or materials furnished under the Contract, or any alterations thereof.

The City of Saginaw has an income tax. All successful bidders will be subject to income tax withholdings and compliance is mandatory.

As part of the consideration for this Contract, the undersigned does hereby agree to have withheld from any payments due them, any amounts for taxes, fees or other charges due the City of Saginaw.

By their signatures below, the parties certify the persons signing on behalf of their respective party has the authority to do so. The parties hereto have executed this Contract the day and year first above written.

LOIS KAY CONTRACTING CO.

By: Chad Kreager
Signer ID: KXTBR2KH14...

Name: Chad Kreager

Title: Manager

CITY OF SAGINAW

By:_____

Timothy Morales
City Manager

CITY OF SAGINAW, MICHIGAN
BID FORM

C-1723 2026 LOCAL ROAD MILLAGE RESURFACING AND WATER MAIN REPLACEMENT

To the City of Saginaw

Date: 5/12/26

In response to your notice, the undersigned, hereinafter called the Contractor, hereby declares that the Contractor has read the "General Instruction to Bidders", "Sealed Bid Instructions" and "General Information", has examined the plans, specifications and the location of the work described herein, has reviewed the proposed Contract and its general conditions, and, is thus fully informed to the nature of the work and the conditions relating to its performance and further understands that the quantities shown hereon are approximate only and are subject to either increase or decrease.

The Contractor hereby proposes to furnish all the necessary equipment and tools, do all the work, furnish all the materials, except as otherwise specified and to complete the work herein described all in accordance with the Contract and its plans and specifications, of which this proposal is a part, for the unit prices named in the following itemized bid.

Prior to and contingent upon award of a contract of $50,000.00 or more, the undersigned further agrees to furnish a surety company performance bond in the sum of not less than 100 percent (100%) of the total amount of the contract company to secure the faithful performance of the Contract and, when required, a surety company labor and material bond in the sum of not less than 100 percent (100%) of the total amount of the Contract for the protection of subcontractors, labor and material suppliers, according to the laws of the State of Michigan at that time in effect. Said signed Contract, surety company bonds, and insurance shall be furnished within ten (10) days from date of notification by the Engineering Division of acceptance of the proposal submitted. The Contract cannot be fully awarded by City Council without the return of these executed documents.

In compliance with the requirements of said notice, this proposal is accompanied by an **original** bid bond, bank money order, certified check, or cashier's check in the sum of five percent (5%) of total bid to guarantee that a contract will be entered into if the above proposal is accepted, and the contract awarded to the undersigned.

52.222-21 Prohibition of Segregated Facilities.

As prescribed in 22.810(a)(1), insert the following clause:

Prohibition of *Segregated Facilities* (Apr 2015)

(a) *Definitions*. As used in this clause

Gender identity has the meaning given by the Department of Labor's Office of Federal Contract Compliance Programs, and is found at http://www.dol.gov/ofccp/LGBT/LGBT_FAQs.html.

Segregated facilities, means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees, that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, sex, *sexual orientation*, *gender identity*, or national origin because of written or oral policies or employee custom. The term does not include separate or single-user rest rooms or necessary dressing or sleeping areas provided to assure privacy between the sexes.

Sexual orientation has the meaning given by the Department of Labor's Office of Federal Contract Compliance Programs, and is found at http://www.dol.gov/ofccp/LGBT/LGBT_FAQs.html.

(b) The Contractor agrees that it does not and will not maintain or provide for its employees any *segregated facilities* at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where *segregated facilities* are maintained. The Contractor agrees that a breach of this clause is a violation of the Equal Opportunity clause in this contract.

(c) The Contractor *shall* include this clause in every subcontract and *purchase order* that is subject to the Equal Opportunity clause of this contract.

(End of clause)

Parent topic: 52.222 [Reserved]

	DESCRIPTION	APPX. QUANT.	UNIT	UNIT PRICE	BID AMOUNT
1	Mobilization, Max $300,000	1	LSUM	274,000.00	274,000.00
2	Tree, Rem, 19 inch to 36 inch	2	EA	3,000.00	6,000.00
3	Curb and Gutter, Rem	2,316	FT	14.50	33,582.00
4	Sidewalk, Rem	1,400	SYD	14.50	20,300.00
5	Pavt, Rem, Modified	3,622	SYD	18.00	65,196.00
6	Excavation, Earth	1,300	CYD	35.00	45,500.00
7	Subgrade Undercutting, Type II, Modified	58	CYD	65.00	3,770.00
8	Sidewalk Grading, Modified	1,400	SYD	22.00	30,800.00
9	Aggregate Base, 4 inch, Modified	1,800	SYD	9.20	16,560.00
10	Aggregate Base, 8 inch, Modified	6,304	SYD	17.60	110,950.40
10	Dr Structure Cover, Adj, Case 1, Modified	150	EA	900.00	135,000.00
11	Dr Structure, Adj, Add Depth	30	FT	375.00	11,250.00
12	Dr Structure Cover, Type K, Modified	24	EA	850.00	20,400.00
13	Gas and Water Shutoff, Adj, Modified	60	EA	475.00	28,500.00
14	HMA Surface, Rem	12,800	SYD	2.28	29,184.00
15	Hand Patching	340	TON	185.00	62,900.00
16	HMA, 4EML	7,028	TON	82.00	576,296.00
17	HMA, 3EML	1,026	TON	98.00	100,548.00
18	Cold Milling Conc Pavt	28,500	SYD	3.44	98,040.00
19	Curb and Gutter, Conc, Det F2, Modified	1,216	FT	28.50	34,656.00
20	Curb and Gutter, Conc, Det F4, Modified	1,100	FT	30.50	33,555.00
21	Detectable Warning Surface	850	FT	52.00	44,200.00
22	Sidewalk, Conc, 4 inch, Modified	7,400	SFT	5.75	42,550.00

23	Curb Ramp, Conc, 7 inch, Modified	4,500	SFT	8.25	37125.00
24	Barricade, TYPE III, High Intensity, Double Sided, Ligthed, Furn	18	EA	45.00	810.00
25	Barricade, TYPE III, High Intensity, Double Sided, Ligthed, Oper	18	EA	1.00	18.00
26	Plastic Drum, Fluorescent, Furn	290	EA	10.00	2900.00
27	Plastic Drum, Fluorescent, Oper	290	EA	1.00	290.00
28	Exploratory Investigation, Vertical, Modified	25	FT	200.00	5000.00
29	Erosion Control, Inlet Protection, Fabric Drop	50	EA	125.00	6250.00
30	Gate Valve and Box, 6 inch, Modified	12	EA	1,900.00	22,800.00
31	Gate Valve and Box, 8 inch, Modified	5	EA	2,400.00	12,000.00
32	Gate Valve and Box, 12 inch, Modified	1	EA	4400.00	4,400.00
33	Hydrant, Rem, Modified	10	EA	700.00	7,000.00
34	Water Main, 12 inch, Cut and Plug	1	EA	6,600.00	6,600.00
35	Water Main, 12 inch, Tr Det G, Modified	315	FT	156.00	49,140.00
36	Water Main, 8 inch, Tr Det G, Modified	2,080	FT	109.00	22,672.00
37	Water Main, 6 inch, Tr Det G, Modified	2,376	FT	108.00	256,608.00
38	Connection to Existing 4 inch Water Main	1	EA	6,600.00	6,600.00
39	Connection to Existing 6 inch Water Main	9	EA	6,600.00	59,400.00
40	Connection to Existing 8 inch Water Main	2	EA	6,600.00	13,200.00
41	Connection to Existing 10 inch Water Main	1	EA	6,600.00	6,600.00
42	Hydrant, Complete, 6 inch	10	EA	8,200.00	82,000.00
43	Water Serv, Long, Modified	2	EA	3,300.00	6,600.00
44	Water Serv, Modified	87	EA	3100.00	269,700.00
45	Water Serv, Private	1	EA	5,000.00	5,000.00
46	Abandon Existing Water Main, In Place	1	LSUM	3,746.00	3,746.00

47	Turf Establishment, Performance	900	SYD	8.00	7,200.00
48	Minor Traf Devices	1	LSUM	29,700.00	29,700.00
49	Traf Regulator Control	1	LSUM	25,000.00	25,000.00

TOTAL BID 2,976,144.40

Please check the MDOT Work Pre-Qualification Classification that your company holds. Your company and all sub-contractors must hold one of these classifications or your bid will be rejected, upon final review at the MDOT site.

B. CONCRETE PAVING _____

Ba. CONCRETE PAVEMENT PATCHING AND WIDENING X

J. MISCELLANEOUS CONCRETE ITEMS X

Cb. HOT MIX ASPHALT/BITUMINOUS PAVING X

K. SEWER AND WATER MAINS _____

OTHER NOT LISTED Ea

In accordance with the provisions of "Public Act 524 of 1980".

I do hereby designate Ron Loffel (name of representative) to submit a written request for progress payment during the duration of this contract.

The Contractor shall start work as specified in the Progress Clause, or as directed by the City Engineer. In no case, shall any work commence prior to receipt of formal Notice to Proceed from the City.

The undersigned bidder does hereby declare that the bidder has the legal status checked below:

_____ Individual

_____ Partnership

__✓__ Corporation

Incorporated under the laws of the State of MI

_____ Limited Liability Company

Formed under the laws of the State of _____

The undersigned does hereby agree to honor this bid until November 12, 2026.

Michigan's Iran Economic Sanctions Act:
The signature below certifies your company is in compliance with the Michigan Iran Economic Sanctions Act as identified on page #39 of this document. Further information on this Act can be viewed at (http://www.state.gov/j/ct/list/c14151.htm and https://www.legislature.mi.gov/(S(qnwpjcm0uyo1f2fhz0w1mlyq))/mileg.aspx?page=GetObject&objectname=mcl-Act-517-of-2012)

Ronald Loffel
(Signature)

Ronnie Loffel
(Printed name)

ESTIMATOR
(Title)

This sheet must be included, or the bid will be disqualified.

By submitting a response to this request for proposal, the Contractor agrees to the terms and conditions set forth herein. Any changes made to such terms and conditions by Contractor in its response may result, at the City's sole discretion, in the Contractor's disqualification.

The successful Contractor will conform to all Contract specifications and requirements which are attached and incorporated as part of this bid. The City reserves the right to accept or reject any and all bids, or parts thereof, and to waive any irregularities in the bid except those specifically mentioned in the sealed bid instructions. Additionally, (if applicable) we reserve the right to add or delete any items(s) and/or service from this bid to the best benefit of The City of Saginaw.

By signature, the Contractor acknowledges that the signer below has complete authority to execute the bid on behalf of the Contractor and that the bid is genuine and not collusive in any manner; and that no other bidders were improperly induced to refrain from bidding or induced to submit a sham bid; and that the Contractor agrees to have withheld from any payment due them, any amounts owed for taxes or other charges due the City of Saginaw; and that successful bidders are subject to mandatory City of Saginaw income tax withholdings.

Signed	Ronald Coffman	Address	3046 Carrollton RD
Name	Ronald Coffman	City, State, Zip	Saginaw, MI 48604
Title	Estimator	Telephone No:	989-753-3618
Company	Coi's Kwik Contracting	Fax No.	989-753-4711
E-mail	Ronc1@sbcglobal.net	Date:	5/12/26

Check List

Iran Sanctions sheet Signed and included	(Yes)	No
Bid Form Signed and included	(Yes)	No
2nd Copy of Bid form included	(Yes)	No

Applies ONLY if an addendum(s) has been issued for this project

Addendum(s) Cover Sheet

#1 – 1st page is signed and included	Yes	No
#2 – 1st page is signed and included	Yes	No
#3 – 1st page is signed and included	Yes	No

This sheet must be included, or the bid will be disqualified.

AIA Document A312™ - 2010

Performance Bond

BOND NO. 54271503

CONTRACTOR:
(Name, legal status and address)
Lois Kay Contracting Company
3046 Carrollton
Saginaw, Ml 48604

SURETY:
(Name. legal status and principal place o.f business)
United Fire & Casualty Company
118 Second Avenue SE
Cedar Rapids, IA 52407-3909

OWNER:
(Name, legal status and addres)
City of Saginaw
1315 S. Washington Ave.
Saginaw, Ml 48601

CONSTRUCTION CONTRACT
Date:06/8/2026

Amount:Two Million Nine Hundred Seventy-Six Thousand One Hundred Thirty-Nine And 40/I00THS ($2,976,139.40)

Description:
(Name and location)
City of Saginaw - 2026 Local Road Millage Resurfacing & Water Main Replacement (C-1723)

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

AIA Document A312-2010 combines two separate bonds, a Perfonnance Bond and a Payment Bond, into one form. This is not a single combined Performance and Payment Bond.

BOND
Date:06/8/2026
(Not earlier than Construction Contract Date)

Amount: Two Million Nine Hundred Seventy-Six Thousand One Hundred Thirty-Nine And 40/I00THS ($2,976,139.40)

Modifications to this Bond: ☒ None ☐ See Section 16

CONTRACTOR AS PRINCIPAL
Company: *(Corporate Seal)*
Lois Kay Contracting Company

i::ture: _____

and Title:

SURETY
Company: *(Corporate Seal)*
United Fire & Casualty Company

::"'e;:::Z!z:

and Title:

(Any additional signatures appear on the fast page o fthis Performance Bond)

(FOR INFORMATION ONLY - Name, address and telephone)

AGENT or BROKER:
Trucordia, Inc. dba PCF Insurance
300 West Lake Lansing Road
East Lansing, Ml 48823
(517) 371-2300

OWNER'S REPRESENTATIVE:
(Architect, Engineer or other party:)

§ 1 The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the Owner for the performance of the Construction Contract, which is incorporated herein by reference.

§ 2 If the Contractor performs the Construction Contract, the Surety and the Contractor shall have no obligation under this Bond, except when applicable to participate in a conference as provided in Section 3.

§ 3 If there is no Owner Defauh under the Construction Contract, the Surety's obligation under this Bond shall arise after

.1 the Owner first provides notice to the Contractor and the Surety that the Owner is considering declaring a Contractor Default. Such notice shall indicate whether the Owner is requesting a conference among the Owner, Contractor and Surety to discuss the Contractor's performance. Jfthe Owner does not request a conference, the Surety may, within five (5) business days after receipt of the Owner's notice, request such a conference. If the Surety timely requests a conference, the Owner shall attend. Unless the Owner agrees otherwise, any conference requested under this Section 3.1 shall be held within ten (JO) business days of the Surety's receipt of the Owner's notice. If the Owner, the Contractor and the Surety agree, the Contractor shall be allowed a reasonable time to perfonn the Construction Contract, but such an agreement shall not waive the Owner's right, if any, subsequently to declare a Contractor Default;

.2 the Owner declares a Contractor Default, tenninates the Construction Contract and notifies the Surety; and

.3 the Owner has agreed to pay the Balance of the Contract Price in accordance with the tenns of the Construction Contract to the Surety or to a contractor selected to perform the Construction Contract.

§ 4 Failure on the part of the Owner to comply with the notice requirement in Section 3.1 shall not constitute a faiJure to comply with a condition precedent to the Surety's obligations, or release the Surety from its obligations, except to the extent the Surety demonstrates actual prejudice.

§ 5 When the Owner has satisfied the conditions of Section 3, the Surety shall promptly and at the Surety's expense take one of the following actions:

§ 5.1 Arrange for the Contractor, with the consent of the Owner, to perfonn and complete the Construction Contract;

§ 5.2 Undertake to perform and complete tbe Construction Contract itself, through its agents or independent contractors;

§ 5.3 Obtain bids or negotiated proposals from qualified contractors acceptable to the Owner for a contract for perfonnance and completion of dle Construction Contract, arrange for a contract to be prepared for execution by the Owner and a contractor selected with the Owner's concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Construction Contract, and pay to the Owner the amount of damages as described in Section 7 in excess of the Balance of the Contract Price incurred by the Owner as a result of the Contractor Default; or

§ 5.4 Waive its right to perform and complete, arrange for completion, or obtain a new contractor and with reasonable promptness under the circumstances:

.1 After investigation, determine the amount for which it may be liable to the Owner and, as soon as practicable after the amount is determined, make payment to the Owner; or

.2 Deny liability in whole or in part and notify the Owner, citing the reasons for denial.

§ 6 lfthe Surety does not proceed as provided in Section 5 with reasonable promptness, the Surety shall be deemed to be in default on this Bond seven days after receipt of an additional written notice from the Owner to the Surety demanding that the Surety perform its obligations under this Bond. and the Owner shall be entitled to enforce any remedy available to the Owner. If the Surety proceeds as provided in Section 5.4, and the Owner refuses the payment or the Surety has denied liability, in whole or in part, without further notice the Owner shall be entitled to enforce any remedy available to the Owner.

:-iwcl) ,l1,l1 mu lc g1c<]lc1 lh,u, tho::-, of the U"11e1 u111e1 tl1, Con::-l1ud1u11 Lu11l1act Sul>J.:d lu th< -u11111,1t1ik<ll l1, 11,1 Owner to pay the Balance of the Contract Price, the Surety is obligated, without duplication, for

1 the responsibilities of the Contractor for correction of defective work and completion of the Construction Contract;
2 additional legal, design professional and delay costs resulting from the Contractor's Default, and resulting from the actions or failure to act of the Surety under Section 5; and
3 liquidated damages, or if no liquidated damages are specified in the Construction Contract, actual damages caused by delayed perfonnance or non-perfonnance of the Contractor.

§ 8 lfthe Surety elects to act under Section 5.1, *5.3* or 5.4, the Surety's liability is limited to the amount of this Bond.

§ 9 Tl1e Surety shall not be liable to the Owner or others *for* obligations of the Contractor that are unrelated to the Construction Contract, and the Balance of the Contract Price shall not be reduced or set off on account of any such unrelated obligations. No right of action shall accrue on this Bond to any person or entity other than the Owner or its heirs, executors, administrators, successors and assigns.

§ 10 The Surety hereby waives notice of any change, including changes of tinie, to the Construction Contract or to related subcontracts, purchase orders and other obligations.

§ 11 Any proceeding, legal or equitable, under this Bond may be instituted in any court of competent jurisdiction in the location in which the work or part of the work is located and shall be instituted within two years after a declaration of Contractor Default or within two years after the Contractor ceased working or within two years after the Surety refuses or fails to perfom1 its obligations under this Bond, whichever occurs first. If the provisions of this Paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

§ 12 Notice to the Surety, the Owner or the Contractor shall be mailed or delivered to the address shown on the page on which their signature appears.

§ 13 When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

§ 14 Definitions

§ 14.1 Balance of the Contract **Price.** The total amount payable by the Owner to the Contractor under the Construction Contract after all proper adjustments have been made, including allowance to the Contractor of any amounts received or to be received by the Owner in settlement of insurance or other claims for damages to which the Contractor is entitled, reduced by all valid and proper payments made to or on behalf of the Contractor under the Construction Contract.

§ 14.2 Construction Contract. The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and changes made to the agreement and the Contract Documents.

§ 14.3 Contractor Default Failure of the Contractor, which has not been remedied or waived, to perfonn or otherwise to comply with a material term of the Construction Contract.

§ 14.4 Owner Default. Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.

§ 14.5 Contract Documents. All the documents that comprise the agreement between the Owner and Contractor.

§ 15 If this Bond is issued for an agreement between a Contractor and subcontractor, the tem1 Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Conrractor.

(Space is provided below for additional signatures of added parties, other than those appearing on the cover page.)

CONTRACTOR AS PRINCIPAL		SURETY	
Company:	*(Corporate Seal)*	Company:	*(Corporate Seal)*
Signature:		Signature:	
Name and Title:		Name and Title:	
Address		Address	

CAUTION: You should sign an original AIA Contract Document, on which this text appears in RED. An original assures that changes will not be obscured.

AIA Document A312™ - 2010. The American Institute of Architects.

Init.

AIA Document A312™ – 2010

Payment Bond

BOND NO. 54271503

CONTRACTOR:
(Name, legal status and address)
Lois Kay Contracting Company
3046 Carrollton
Saginaw, MI 48604

SURETY:
(Name, legal status and principal place of business)
United Fire & Casualty Company
118 Second Avenue SE
Cedar Rapids, IA 52407-3909

OWNER:
(Name, legal status and address)
City of Saginaw
1315 S. Washington Ave.
Saginaw, MI 48601

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

AIA Document A312-2010 combines two separate bonds, a Performance Bond and a Payment Bond, into one form. This is not a single combined Performance and Payment Bond.

CONSTRUCTION CONTRACT
Date 96/8/2026

Amount! wo Million Nine Hundred Seventy-Six Thousand One Hundred Thirty-Nine And 40/I00THS ($2,976, I39.40)

Description:
(Name and location)
City of Saginaw - 2026 Local Road Millage Resurfacing & Water Main Replacement (C-1723)

BOND
Date 96/8/2026
(Not earlier than Construction Contract Date)

Amount: f wo Million Nine Hundred Seventy-Six Thousand One Hundred Thirty-Nine And 40/1 00THS ($2,976, 139.40)

Modifications to this Bond: D None See Section 18

CONTRACTOR AS PRINCIPAL
Company: *(Corporate Seal)*
Lois Kay Contracting Company

Signature: _____
Name and Title:

SURETY
Company: *(Corporate Seal)*
United Fire & Casualty Company

Signature:
Name and Title: Jessa Powers, Attorney-in-Fact

(Any additional signatures appear on the last page Q(this Payment Bond)

(FOR JNFORMATJON ONLJ'- Name, address and telephone)

AGENT or **BROKER:**
Trucordia, Inc. dba PCF Insurance
300 West Lake Lansing Road
East Lansing, MI 48823
(517) 371-2300

OWNER'S REPRESENTATIVE:
(Architect, Engineer or other party.)

§ 2 If the Contractor promptly makes payment of all sums due to Claimants, and defends, indemnifies and holds hannless the Owner from claims, demands. liens or suits by any person or entity seeking payment for labor. materials or equipment furnished for use in the perfom1ance of the Construction Contract, then the Surety and the Contractor shall have no obligation under this Bond.

§ 3 If there is no Owner DefauJt under the Construction Contract, the Surety's obligation to the Owner under this Bond shaJI arise after the Owner has promptly notified the Contractor and the Surety (at the address described in Section 13) of claims, demands, liens or suits against the Owner or the Owner·s property by any person or entity seeking payment for labor, materials or equipment furnished for use in the performance of the Construction Contract and tendered defense of such claims, demands, liens or suits to the Contractor and the Surety.

§ 4 When the Owner has satisfied the conditions in Section 3, the Surety shall promptly and at the Surety's expense defend, indemnify and hold hannless the Owner against a duly tendered claim, demand, lien or suit.

§ 5 TIle Surety's obligations to a Claimant under this Bond shall arise after the following:

§ 5.1 Claimants, who do not have a direct contract with the Contractor,

.1 have furnished a written notice of non-payment to the Contractor, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were, or equipment was, furnished or supplied or for whom the labor was done or performed, within ninety (90) days after having last performed labor or last furnished materials or equipment included in the Claim; and

.2 have sent a Claim to the Surety (at the address described in Section 13).

§ 5.2 Claimants, who are employed by or have a direct contract with the Contractor, have sent a Claim to the Surety (at the address described in Section 13).

§ 6 If a notice of non-payment required by Section 5. I. I is given by the Owner to the Contractor, that is sufficient to satisfy a Claimant's obligation to furnish a written notice of non-payment under Section 5.1. 1.

§ 7 When a Claimant has satisfied the conditions of Sections 5.1 or 5.2, whichever is applicable, the Surety shall promptly and at the Surety's expense take the following actions:

§ 7.1 Send an answer to the Claimant, with a copy to the Owner, within sixty (60) days after receipt of the Claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed; and

§ 7.2 Pay or arrange for payment of any undisputed amounts.

§ 7.3 The Surety's failure to discharge its obligations under Section 7.1 or Section 7.2 shall not be deemed to constitute a waiver of defenses the Surety or Contractor may have or acquire as to a Claim, except as to undisputed amounts for which the Surety and Claimant have reached agreement. If, however. the Surety fails to discharge its obligations under Section 7.1 or Section 7.2, tJIe Surety shall indemnify the Claimant for the reasonable attorney's fees the Claimant incurs thereafter to recover any sums found to be due and owing to the Claimant.

§ 8 The Surety's total obligation shall not exceed the amount of this Bond, plus tIle amount of reasonable attomey·s fees provided under Section 7.3, and the amount of this Bond shall be credited for any payments made in good faith by the Surety.

§ 9 Amounts owed by the Owner to the Contractor under the Construction Contract shall be used for the performance of the Construction Contract and to satisfy claims, if any. under any construction performance bond. By tJIe Contractor furnishing and the Owner accepting this Bond, they agree that all funds earned by the Contractor in the performance of the Construction Contract are dedicated to satisfy obligations of the Contractor and Surety under this Bond, subject to the Owner's priority to use the funds for the completion of the work.

l 1,1111,111\ u11Ju tlai:„ hv11u. ,11J i1„la l,„H ,u,Ju ilii l3,H1,l 11, ,1l,li ,dt1,1,' " 111,l-t: p.1_111',dlt, l,1. ui .;i,, '"'1111 u,J t,Lli dll ot Claimants or othernise have any obligations to Claimants under this Bond.

§ 11 The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders and other obligations.

§ 12 No suit or action shall be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the state in which the project that is the subject of the Construction Contract is located or after the expiration of one year from the date (I) on which the Claimant sent a Claim to the Surety pursuant to Section 5.1.2 or 5.2, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone W1der the Construction Contract, whichever of (I) or (2) first occurs. If the provisions of this Paragraph are void or prohibited by law, the minimum period oflimitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

§ 13 Notice and Claims to the Surety, the Owner or the Contractor shall be mailed or delivered to the address shown on the page on which their si$_{g\ n}$ature appears. Actual receipt of notice or Claims, however accomplished, shall be sufficient compliance as of the date received.

§ 14 When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shaJI be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

§ 15 Upon request by any person or entity appearing to be a potential beneficiary of this Bond, the Contractor and Owner shall promptly furnish a copy of this Bond or shall pennit a copy to be made.

§ 16 Definitions

§ 16.1 Claim. A written statement by the Claimant including at a minimum:

.1 the name of the Claimant;
.2 dte name of the person for whom the labor was done, or materials or equipment furnished;
.3 a copy of the agreement or purchase order pursuant to which labor, materials or equipment was furnished for use in the performance of the Construction Contract;
.4 a brief description of the labor, materials or equipment furnished;
.5 the date on which the Claimant last perfom1ed labor or last furnished materials or equipment for use in the perfom1ance of the Construction Contract;
.6 the total amount earned by the Claintant for labor, materials or equipment furnished as of the date of the Claim;
.7 the total amount of previous payments received by the Claimant; and
.8 the total amount due and unpaid to the Claimant for labor, materials or equipment furnished as of the date of the Claim.

§ 16.2 Claimant An individual or entity having a direct contract with the Contractor or with a subcontractor of the Contractor to furnish labor, materials or equipment for use in the performance of the Construction Contract. The tenn Clain1ant also includes any individual or entity that has rightfully asserted a claim under an applicable mechanic's lien or similar statute against the real property upon which the Project is located. The intent of this Bond shall be to include without limitation in the terms "labor, materials or equipment" that part of water, gas, power, light, heat, oil, gasoline, telephone service or rental equipment used in the Construction Contract, architectural and engineering services required for performance of the work of the Contractor and the Contractor's subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor. materials or equipment were furnished.

§ 16.3 Construction Contract. The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and all changes made to the agreement and the Contract Documents.

§ 16.4 Owner Default. Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other terms thereof is a

1 Ulli ULIJOII \ III III de 1

§ 16.5 Contract Documents. All the documents that comprise the agreement between the Owner and Contractor.

§ 17 If this Bond is issued for an agreement between a Contractor and subcontractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

§ 18 Modifications to this bond are as follows:

This Bond is given in compliance with and subject to all of the provisions of Michigan Public Act No. 213 of the Public Acts of 1963, as amended. All time limitations, notice requirements and definitions and other terms of said Act are applicable here and in executing this Bond, Surety does not waive any of such provisions.

(Space is provided below for additional signatures of added parties, other than those appearing on the cover page.)

CONTRACTOR AS PRINCIPAL		SURETY	
Company:	*(Corporate Seal)*	**Company:**	*(Corporate Seal)*
Signature:		Signature:	
Name and Title:		Name and Title:	
Address		Address	

CAUTION: You should sign an original AIA Contract Document, on which this text appears in RED. An original assures that changes will not be obscured.

ufg INSURANCE

1 1IN JI. LJ 111<i & lA::,L1AL.J) 1UMJJAI\), ILLJ;\R IU\I-'ID::i, IA
1 lNrTED FIRE & fNDEMI\ ITY COMPANY, WEBSTER, TX
FINANCIAi. PACIFIC INSlIRAI\CI- COMPANY, ROSFVILI.I, CA

PO\VER OF ATTORNEY

To velify the authenticity of this Powe,· of Atlomey, please contact us al
UFG Insurance, 118 Second Ave SE, Cedar Rapids, lA 52401
telephone (800) 343-9130 or email *suretJ@unitedfiregroup.com*
THIS POWER OF ATTORNEY IS VOID IF ALTERED
To notify us of a claim, please contact us at *suretJ@,unitedfuegroup.com*

KNOW ALL PERSONS IlY TIIESE PRESENTS, That United Fire & Casualty Company, a corporation duly organized and existing under the laws of the State ofiowa; United Fire & Indemnity Company, a corporation duly organized and existing under the laws of the State of Texas; and Financial Pacific Insurance Company, a corporation duly organized and existing under the laws of the State of California (herein collectively called the Companies), and having their corporate headquarters in Cedar Rapids, State ofiowa, does make, constitute and appoint

JAMES N. SLEAR, BRIAN METCALF, CHRISTOPHER SLEAR, LAUREN THOMPSON, JESSIE WILSON, KAITLYN CALTRIDER, KOLBY THOMPSON, KAREY STID, ALEX HOLSHOE, MAXWELL BULOCK, JESSA POWERS, JOHNATHAN SHEETS, EACH INDIVIDUALLY

---

their true and lawful Attorney(s)-in-Fact with power and authority hereby conferred to sign, seal and execute in its behalf all lawful bonds, undertakings and other obligatory instruments of similar nature provided that no single obligation shall exceed $30 000 000.00 and to bind the Companies thereby as fully and to the same extent as if such instruments were signed by the duly authorized officers of the Companies and all of the acts of said Attorney, pursuant to the authority hereby given and hereby ratified and confirmed.

The Authority hereby gmnte<l is continuous and shall remain in full force and elTective until revoked by United Fire & Casualty Company, United Fire & Indemnity Company, and Financial Pacific Insurance Company.

This Power of Attorney has been duly made, executed and delivered pursuant to, and in accordance with, the articles of incorporation, bylaws, and other governing documents of each of the respective Companies, and by authority therein granted and under applicable corporate law.

IN WITNESS WHEREOF, the COMPANIES have each caused these presents to be signed by its officer and its corporate seal to be hereto affixed this 2nd day of January, 2026.

By:____ _____
Kyanna M_____of
United Fire & Casualty Company
United Fire & Indemnity Company
Financial Pacific Insurance Company

State oflowa, County of Linn, ss:
On this 2nd day of January, 2026, before me personally came Kyanna M. Saylor to me known, who being by me duly sworn, did depose and say; that she is a Vice President of UNITED FIRE& CASUALTY COMPANY, a Vice President of UNITED FIRE& INDEMNITY COMPANY, and a Vice President of FINANCIAL PACIFIC INSURANCE COMPANY, the corporations described in and which executed the above instrument; that she knows the seal of said corporations; that the seals affixed to the said instrument are such corporate seals; that these seals were so affixed pursuant to authority given by the Hoards of Directors of said corporations and that she signed her name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporations.

Judith A. Jones
Iowa Notarial Seal
Commission number 173041
My Commission Expires 04/23/2027

Notary Public: Judith A Jones
My co=ission expires: 04/23/2027

I, Mary A. Bertsch, <lo hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and that the said Power of Attorney has not been revoked and is now in full force and effect.

In test ony whereof I have hereunto subsc bed my name and f corp_:.te seal of each said Comy this 8th day of June, 2026.

By: A
iiertsch,sistantSecretary of
Umted Fife & Casualty Company
United Fire & Indemnity Company
Financial Pacific Insurance Company

BPOA0049 012026

Markel American Insurance Company

4521 Highwoods Parkway
Glen Allen, Virginia 23060
(800) 431-1270

INSURANCE POLICY

Coverage afforded by this policy is provided by the Company (Insurer) and named in the Declarations.

In **Witness Whereof**, the company (insurer) has caused this policy to be executed and attested and countersigned by a duly authorized representative of the company (insurer) identified in the Declarations.

Kathleen Anne Sturgeon

Secretary

President

MARKEL AMERICAN INSURANCE COMPANY

PRIVACY NOTICE

U. S. Consumer Privacy Notice Rev. 1/1/2020

FACTS	WHAT DOES MARKEL GROUP OF COMPANIES REFERENCED BELOW (INDIVIDUALLY OR COLLECTIVELY REFERRED TO AS "WE", "US", OR "OUR") DO WITH YOUR PERSONAL INFORMATION?
Why?	In the course of Our business relationship with you, We collect information about you that is necessary to provide you with Our products and services. We treat this information as confidential and recognize the importance of protecting it. Federal and state law gives you the right to limit some but not all sharing of your personal information. Federal and state law also requires Us to tell you how We collect, share, and protect your personal information. Please read this notice carefully to understand what We do.
What?	The types of personal information We collect and share depend on the product or service you have with Us. This information can include: • your name, mailing and email address(es), telephone number, date of birth, gender, marital or family status, identification numbers issued by government bodies or agencies (i.e.: Social Security number or FEIN, driver's license or other license number), employment, education, occupation, or assets and income from applications and other forms from you, your employer and others; • your policy coverage, claims, premiums, and payment history from your dealings with Us, Our Affiliates, or others; • your financial history from other insurance companies, financial organizations, or consumer reporting agencies, including but not limited to payment card numbers, bank account or other financial account numbers and account details, credit history and credit scores, assets and income and other financial information, or your medical history and records. Personal information does not include: • publicly-available information from government records; • de-identified or aggregated consumer information. When you are no longer Our customer, We continue to share your information as described in this Notice as required by law.
How?	All insurance companies need to share customers' personal information to run their everyday business. In the section below, We list the reasons financial companies can share their customers' personal information; the reasons We choose to share; and whether you can limit this sharing. We restrict access to your personal information to those individuals, such as Our employees and agents, who provide you with insurance products and services. We may disclose your personal information to Our Affiliates and Nonaffiliates (1) to process your transaction with Us, for instance, to determine eligibility for coverage, to process claims, or to prevent fraud, or (2) with your written authorization, or (3) otherwise as permitted by law. We do not disclose any of your personal information, as Our customer or former customer, except as described in this Notice.

Reasons We can share your personal information	Do We share?	Can you limit this sharing?
For Our everyday business purposes and as required by law – such as to process your transactions, maintain your account(s), respond to court orders and legal/regulatory investigations, to prevent fraud, or report to credit bureaus	Yes	No
For Our marketing purposes – to offer Our products and services to you	Yes	No
For Joint Marketing with other financial companies	Yes	No
For Our Affiliates' everyday business purposes – information about your transactions and experiences	Yes	No
For Our Affiliates' everyday business purposes – information about your creditworthiness	No	We don't share
For Our Affiliates to market you	No	We don't share
For Nonaffiliates to market you	No	We don't share
Questions? Call (888) 560-4671 or email privacy@markel.com		

Who We are	
Who is providing this Notice?	A list of Our companies is located at the end of this Notice.

What We do	
How do We protect your personal information?	We maintain reasonable physical, electronic, and procedural safeguards to protect your personal information and to comply with applicable regulatory standards. For more information, visit www.markel.com/privacy-policy.
How do We collect your personal information?	We collect your personal information, for example, when you • complete an application or other form for insurance • perform transactions with Us, Our Affiliates, or others • file an insurance claim or provide account information • use your credit or debit card We also collect your personal information from others, such as consumer reporting agencies that provide Us with information such as credit information, driving records, and claim histories.
Why can't you limit all sharing of your personal information?	Federal law gives you the right to limit only • sharing for Affiliates' everyday business purposes – information about your creditworthiness • Affiliates from using your information to market to you • sharing for Nonaffiliates to market to you State laws and individual companies may give you additional rights to limit sharing. See the Other Important Information section of this Notice for more on your rights under state law.

Definitions	
Affiliates	Companies related by common ownership or control. They can be financial and nonfinancial companies. • Our Affiliates include member companies of Markel Group.
Nonaffiliates	Companies not related by common ownership or control. They can be financial and nonfinancial companies. • Nonaffiliates that We can share with can include financial services companies such as insurance agencies or brokers, claims adjusters, reinsurers, and auditors, state insurance officials, law enforcement, and others as permitted by law.
Joint Marketing	A formal agreement between Nonaffiliated companies that together market financial products or services to you. • Our Joint Marketing providers can include entities providing a service or product that could allow Us to provide a broader selection of insurance products to you.

Other Important Information
For Residents of AZ, CT, GA, IL, ME, MA, MN, MT, NV, NJ, NC, OH, OR, and VA: Under state law, under certain circumstances you have the right to access and request correction, amendment or deletion of personal information that We have collected from or about you. To do so, contact your agent, visit www.markel.com/privacy-policy, call (888) 560-4671, or write to Markel Corporation Privacy Office, 4521 Highwoods Parkway, Glen Allen, VA 23060. We may charge a reasonable fee to cover the costs of providing this information. We will let you know what actions We take. If you do not agree with Our actions, you may send Us a statement.
For Residents of CA: You have the right to review, make corrections, or delete your recorded personal information contained in Our files. To do so, contact your agent, visit www.markel.com/privacy-policy, call (888) 560-4671, or write to Markel Corporation Privacy Office, 4521 Highwoods Parkway, Glen Allen, VA 23060. We do not and will not sell your personal information. For the categories of personal information We have collected from consumers within the last 12 months, please visit: www.markel.com/privacy-policy.
For Residents of MA and ME: You may ask, in writing, for specific reason, for an adverse underwriting decision.
Markel Group of Companies Providing This Notice: City National Insurance Company, Essentia Insurance Company, Evanston Insurance Company, FirstComp Insurance Company, Independent Specialty Insurance Company, National Specialty Insurance Company, Markel Bermuda Limited, Markel American Insurance Company, Markel Global Reinsurance Company, Markel Insurance Company, Markel International Insurance Company Limited, Markel Service, Incorporated, Markel West, Inc. (d/b/a in CA as Markel West Insurance Services), Pinnacle National Insurance Company, State National Insurance Company, Inc., Superior Specialty Insurance Company, SureTec Agency Services, Inc. (d/b/a in CA as SureTec Agency Insurance Services), SureTec Indemnity Company, SureTec Insurance Company, United Specialty Insurance Company, Inc.

MARKEL AMERICAN INSURANCE COMPANY

NOTICE TO POLICYHOLDERS
CLAIM REPORTING

Please immediately report a new claim under this policy to:

newclaims@markel.com

For general claims inquiries after a claim has been reported, please email:

markelclaims@markel.com

In order for us to expedite the handling of your claim and quickly refer it to the appropriate party, please have the following information available:

- Claim number (or report as new)
- Your name, contact information and position with the Named Insured
- Date of loss
- Policy number and insured name
- Details of loss

Our address and additional contact information are as follows:

Markel Claims
P.O. Box 2009
Glen Allen, VA 23058-2009
Phone: 800-362-7535 (800) 3MARKEL
Fax: 855-662-7535 (855) 6MARKEL

Markel understands the importance of having knowledgeable claims professionals prepared to answer your questions with personal attention and expertise. With claims professionals located across four times zones, you are sure to find the claims assistance you need -- when you need it.

PLEASE REFER TO THE POLICY FOR ANY NOTICE AND REPORTING PROVISIONS AND DUTIES IN THE EVENT OF LOSS OR DAMAGE TO COVERED PROPERTY.

MARKEL AMERICAN INSURANCE COMPANY

U.S. TREASURY DEPARTMENT'S OFFICE OF FOREIGN ASSETS CONTROL ("OFAC") ADVISORY NOTICE TO POLICYHOLDERS

No coverage is provided by this Policyholder Notice nor can it be construed to replace any provisions of your policy. You should read your policy and review your Declarations page for complete information on the coverages you are provided.

This Notice provides information concerning possible impact on your insurance coverage due to directives issued by OFAC. **Please read this Notice carefully.**

The Office of Foreign Assets Control (OFAC) administers and enforces sanctions policy, based on Presidential declarations of "national emergency". OFAC has identified and listed numerous:

- Foreign agents;
- Front organizations;
- Terrorists;
- Terrorist organizations; and
- Narcotics traffickers;

as "Specially Designated Nationals and Blocked Persons". This list can be located on the United States Treasury's web site – https://www.treasury.gov/ofac.

In accordance with OFAC regulations, if it is determined that you or any other insured, or any person or entity claiming the benefits of this insurance has violated U.S. sanctions law or is a Specially Designated National and Blocked Person, as identified by OFAC, this insurance will be considered a blocked or frozen contract and all provisions of this insurance are immediately subject to OFAC. When an insurance policy is considered to be such a blocked or frozen contract, no payments nor premium refunds may be made without authorization from OFAC. Other limitations on the premiums and payments also apply.

Includes copyrighted material of Insurance Services Office, Inc. with its permission.

MARKEL AMERICAN INSURANCE COMPANY

MICHIGAN NOTICE TO POLICYHOLDER

Effective March 31, 2003, this policy is exempt from the filing requirement of section 2236 of the insurance code of 1956, 1956 PA 218, MCL 500.2236, and therefore, may contain forms and/or rates that have not been filed with the state of Michigan.

Markel American Insurance Company

OWNERS AND CONTRACTORS PROTECTIVE LIABILITY DECLARATIONS

POLICY NUMBER: OCP-MAR-0004376 RENEWAL OF POLICY:

Named Insured and Mailing Address (No., Street, Town or City, County, State, Zip Code)

City of Saginaw
1315 S Washington Ave
Saginaw, MI 48601

Policy Period: From 06/08/2026 to 06/08/2027 at 12:01 A.M. at your mailing address shown above.

IN RETURN FOR THE PAYMENT OF THE PREMIUM, AND SUBJECT TO ALL THE TERMS OF THIS POLICY, WE AGREE WITH YOU TO PROVIDE THE INSURANCE AS STATED IN THIS POLICY.

Description And Form Of Business
Business Description: Municipality
☐ Individual ☐ Partnership ☐ Joint Venture ☐ LLC ☒ Other Organization: Municipality

Location(s) Of Covered Operations
Arthur St saginaw, MI 48601 Contract #: C-1723, 2026 Local road millage resurfacing and water main replacement C-1723

Designated Contractor Name And Mailing Address
Lois Kay Contracting 3046 Carrollton Rd Saginaw, MI 48604

Limits Of Insurance	
Each Occurrence Limit:	$1,000,000
Aggregate Limit:	$2,000,000

Producer Number, Name and Mailing Address	
123ocp.com	214317
565 East Swedesford Road	
Suite 100	
Wayne, PA 19087	

Includes copyrighted material of Insurance Services Office, Inc., with its permission.

Classification And Premium				
Classification	**Code No.**	**Premium Basis**	**Rate Per $1,000 Of Cost**	**Advance Premium**
MICHIGAN Construction Operations - Owner - Not Otherwise Classified (Not Railroads) - Excluding Operations On Board Ships	16292	$2,976,139	$0.775	$2,307.00

State Tax Or Other (If Applicable)	$0.00
Terrorism	$0.00 (Included)
Total Premium	$2,307.00

Premium shown is payable at inception.

Forms And Endorsements

Forms and Endorsements applying to this Coverage Part and made part of this policy at time of issue:

MJIL 1000 (06 10), MPIL 1007 (01 20), MPIL 1074 (02 20), MPIL 1083 (04 15), MIL-PN-MI (03 03), MDGL 1510 (01 23), MDIL 1001 (08 11), CG 0009 (04 13), CG 2170 (01 15), CG 2176 (01 15), CG 2951 (12 07), CG 3370 (03 05), IL 0021 (09 08), MIL 1214 (09 17), MGL 1356 (10 20), MGL 1603 (01 23), MGL 1608 (01 23), MGL 1609 (01 23), MGL 1612 (01 23), MGL TERR-1 (01 15)

These Declarations, together with the Coverage Form and any Endorsement(s), complete the above numbered policy.

Countersigned: 05/18/2026 By: _____

DATE **AUTHORIZED REPRESENTATIVE**

Includes copyrighted material of Insurance Services Office, Inc., with its permission.

MARKEL AMERICAN INSURANCE COMPANY

FORMS SCHEDULE

Form Number	Form Name
MJIL 1000 (06 10)	Policy Jacket/Signature Page
MPIL 1007 (01 20)	Privacy Notice
MPIL 1074 (02 20)	Notice To Policyholders Claim Reporting
MPIL 1083 (04 15)	U.S. Treasury Department's Office Of Foreign Assets Control ("OFAC") Advisory Notice To Policyholders
MIL-PN-MI (03 03)	Michigan Notice To Policyholder
MDGL 1510 (01 23)	Owners and Contractors Protective Liability Declarations
MDIL 1001 (08 11)	Forms Schedule
CG 0009 (04 13)	Owners and Contractors Protective Liability Coverage Form - Coverage For Operations Of Designated Contractor
CG 2170 (01 15)	Cap On Losses From Certified Acts Of Terrorism
CG 2176 (01 15)	Exclusion Of Punitive Damages Related To A Certified Act Of Terrorism
CG 2951 (12 07)	Employment-Related Practices Exclusion
CG 3370 (03 05)	Silica Or Silica-Related Dust Exclusion
IL 0021 (09 08)	Nuclear Energy Liability Exclusion Endorsement (Broad Form)
MIL 1214 (09 17)	Trade Or Economic Sanctions
MGL 1356 (10 20)	Exclusion – Cyber Incident, Data Compromise, And Violation Of Statutes Related To Personal Data
MGL 1603 (01 23)	Exclusion - Asbestos
MGL 1608 (01 23)	Exclusion - Fungi Or Bacteria
MGL 1609 (01 23)	Exclusion - Lead Liability
MGL 1612 (01 23)	Total Pollution Exclusion
MGL TERR-1 (01 15)	Confirmation Of Certified Acts Of Terrorism Coverage

OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE FORM – COVERAGE FOR OPERATIONS OF DESIGNATED CONTRACTOR

Various provisions of this policy restrict coverage. Read the entire policy carefully to determine rights, duties and what is and is not covered.

Throughout this policy the words "you" and "your" refer to the Named Insured shown in the Declarations. The words "we", "us" and "our" refer to the company providing this insurance.

The word "insured" means any person or organization qualifying as such under Section **II** – Who Is An Insured.

Other words and phrases that appear in quotation marks have special meaning. Refer to Section **V** – Definitions.

SECTION I – COVERAGES

BODILY INJURY AND PROPERTY DAMAGE LIABILITY

1. Insuring Agreement

a. We will pay those sums that the insured becomes legally obligated to pay as damages because of "bodily injury" or "property damage" to which this insurance applies. We will have the right and duty to defend the insured against any "suit" seeking those damages. However, we will have no duty to defend the insured against any "suit" seeking damages for "bodily injury" or "property damage" to which this insurance does not apply. We may, at our discretion, investigate any "occurrence" and settle any claim or "suit" that may result. But:

(1) The amount we will pay for damages is limited as described in Section **III** – Limits Of Insurance; and

(2) Our right and duty to defend ends when we have used up the applicable limit of insurance in the payment of judgments or settlements.

No other obligation or liability to pay sums or perform acts or services is covered unless explicitly provided for under Supplementary Payments.

b. This insurance applies to "bodily injury" and "property damage" only if:

(1) The "bodily injury" or "property damage" is caused by an "occurrence" and arises out of:

(a) Operations performed for you by the "contractor" at the location specified in the Declarations; or

(b) Your acts or omissions in connection with the general supervision of such operations;

(2) The "bodily injury" or "property damage" occurs during the policy period; and

(3) Prior to the policy period, no insured listed under Paragraph **1.** of Section **II** – Who Is An Insured and no "employee" authorized by you to give or receive notice of an "occurrence" or claim, knew that the "bodily injury" or "property damage" had occurred, in whole or in part. If such a listed insured or authorized "employee" knew, prior to the policy period, that the "bodily injury" or "property damage" occurred, then any continuation, change or resumption of such "bodily injury" or "property damage" during or after the policy period will be deemed to have been known prior to the policy period.

c. "Bodily injury" or "property damage" which occurs during the policy period and was not, prior to the policy period, known to have occurred by any insured listed under Paragraph **1.** of Section **II** – Who Is An Insured or any "employee" authorized by you to give or receive notice of an "occurrence" or claim, includes any continuation, change or resumption of that "bodily injury" or "property damage" after the end of the policy period.

d. "Bodily injury" or "property damage" will be deemed to have been known to have occurred at the earliest time when any insured listed under Paragraph **1.** of Section **II** – Who Is An Insured or any "employee" authorized by you to give or receive notice of an "occurrence" or claim:

(1) Reports all, or any part, of the "bodily injury" or "property damage" to us or any other insurer;

(2) Receives a written or verbal demand or claim for damages because of the "bodily injury" or "property damage"; or

(3) Becomes aware by any other means that "bodily injury" or "property damage" has occurred or has begun to occur.

 © Insurance Services Office, Inc., 2012

e. Damages because of "bodily injury" include damages claimed by any person or organization for care, loss of services or death resulting at any time from the "bodily injury".

2. Exclusions

This insurance does not apply to:

a. Expected Or Intended Injury

"Bodily injury" or "property damage" expected or intended from the standpoint of the insured. This exclusion does not apply to "bodily injury" resulting from the use of reasonable force to protect persons or property.

b. Contractual Liability

"Bodily injury" or "property damage" for which the insured is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages:

(1) That the insured would have in the absence of the contract or agreement; or

(2) Assumed in a contract or agreement that is an "insured contract", provided the "bodily injury" or "property damage" occurs subsequent to the execution of the contract or agreement. Solely for the purposes of liability assumed in an "insured contract", reasonable attorneys' fees and necessary litigation expenses incurred by or for a party other than an insured are deemed to be damages because of "bodily injury" or "property damage", provided:

(a) Liability to such party for, or for the cost of, that party's defense has also been assumed in the same "insured contract"; and

(b) Such attorneys' fees and litigation expenses are for defense of that party against a civil or alternative dispute resolution proceeding in which damages to which this insurance applies are alleged.

c. Work Completed Or Put To Intended Use

"Bodily injury" or "property damage" which occurs after the earlier of the following times:

(1) When all "work" on the project (other than service, maintenance or repairs) to be performed for you by the "contractor" at the site of the covered operations has been completed; or

(2) When that portion of the "contractor's" "work", out of which the injury or damage arises, has been put to its intended use by any person or organization, other than another contractor or subcontractor working directly or indirectly for the "contractor" or as part of the same project.

d. Acts Or Omissions By You And Your Employees

"Bodily injury" or "property damage" arising out of your, or your "employees", acts or omissions other than general supervision of "work" performed for you by the "contractor".

e. Workers' Compensation And Similar Laws

Any obligation of the insured under a workers' compensation, disability benefits or unemployment compensation law or any similar law.

f. Employer's Liability

"Bodily injury" to:

(1) An "employee" of the insured arising out of and in the course of:

(a) Employment by the insured; or

(b) Performing duties related to the conduct of the insured's business; or

(2) The spouse, child, parent, brother or sister of that "employee" as a consequence of Paragraph **(1)** above.

This exclusion applies whether the insured may be liable as an employer or in any other capacity and to any obligation to share damages with or repay someone else who must pay damages because of the injury.

This exclusion does not apply to liability assumed by the insured under an "insured contract".

g. Damage To Property

"Property damage" to:

(1) Property you own, rent, or occupy, including any costs or expenses incurred by you, or any other person, organization or entity, for repair, replacement, enhancement, restoration or maintenance of such property for any reason, including prevention of injury to a person or damage to another's property;

(2) Property loaned to you;

(3) Personal property in the care, custody or control of the insured; or

(4) "Work" performed for you by the "contractor".

h. War

"Bodily injury" or "property damage", however caused, arising, directly or indirectly, out of:

(1) War, including undeclared or civil war;

(2) Warlike action by a military force, including action in hindering or defending against an actual or expected attack, by any government, sovereign or other authority using military personnel or other agents; or

(3) Insurrection, rebellion, revolution, usurped power, or action taken by governmental authority in hindering or defending against any of these.

i. Mobile Equipment

"Bodily injury" or "property damage" arising out of the use of "mobile equipment" in, or while in practice for, or while being prepared for, any prearranged racing, speed, demolition, or stunting activity.

j. Pollution

(1) "Bodily injury" or "property damage" arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release or escape of "pollutants":

(a) At or from any premises, site or location which is or was at any time owned or occupied by, or rented or loaned to, any insured. However, this subparagraph does not apply to:

(i) "Bodily injury" if sustained within a building and caused by smoke, fumes, vapor or soot produced by or originating from equipment that is used to heat, cool or dehumidify the building, or equipment that is used to heat water for personal use, by the building's occupants or their guests;

(ii) "Bodily injury" or "property damage" arising out of heat, smoke or fumes from a "hostile fire";

(b) At or from any premises, site or location which is or was at any time used by or for any insured or others for the handling, storage, disposal, processing or treatment of waste;

(c) Which are or were at any time transported, handled, stored, treated, disposed of, or processed as waste by or for:

(i) Any insured; or

(ii) Any person or organization for whom you may be legally responsible; or

(d) At or from any premises, site or location on which any insured or any contractors or subcontractors working directly or indirectly on any insured's behalf are performing operations if the "pollutants" are brought on or to the premises, site or location in connection with such operations by such insured, contractor or subcontractor. However, this subparagraph does not apply to:

(i) "Bodily injury" or "property damage" arising out of the escape of fuels, lubricants or other operating fluids which are needed to perform the normal electrical, hydraulic or mechanical functions necessary for the operation of "mobile equipment" or its parts, if such fuels, lubricants or other operating fluids escape from a vehicle part designed to hold, store or receive them. This exception does not apply if the "bodily injury" or "property damage" arises out of the intentional discharge, dispersal or release of the fuels, lubricants or other operating fluids, or if such fuels, lubricants or other operating fluids are brought on or to the premises, site or location with the intent that they be discharged, dispersed or released as part of the operations being performed by such insured, contractor or subcontractor;

(ii) "Bodily injury" or "property damage" sustained within a building and caused by the release of gases, fumes or vapors from materials brought into that building in connection with operations being performed by or on behalf of any insured; or

(iii) "Bodily injury" or "property damage" arising out of heat, smoke or fumes from a "hostile fire".

(e) At or from any premises, site or location on which any insured or any contractors or subcontractors working directly or indirectly on any insured's behalf are performing operations if the operations are to test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of "pollutants".

(2) Any loss, cost or expense arising out of any:

(a) Request, demand, order or statutory or regulatory requirement that any insured or others test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of "pollutants"; or

(b) Claim or suit by or on behalf of a governmental authority for damages because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing, or in any way responding to, or assessing the effects of "pollutants".

However, this paragraph does not apply to liability for damages because of "property damage" that the insured would have in the absence of such request, demand, order or statutory or regulatory requirement, or such claim or "suit" by or on behalf of a governmental authority.

k. Damage To Impaired Property Or Property Not Physically Injured

"Property damage" to "impaired property" or property that has not been physically injured, arising out of:

(1) A defect, deficiency, inadequacy or dangerous condition in "work" performed for you by the "contractor"; or

(2) A delay or failure by you or anyone acting on your behalf to perform a contract or agreement in accordance with its terms.

This exclusion does not apply to the loss of use of other property arising out of sudden and accidental physical injury to "work" performed for you by the "contractor".

l. Electronic Data

Damages arising out of the loss of, loss of use of, damage to, corruption of, inability to access, or inability to manipulate electronic data.

However, this exclusion does not apply to liability for damages because of "bodily injury".

As used in this exclusion, electronic data means information, facts or programs stored as or on, created or used on, or transmitted to or from computer software, including systems and applications software, hard or floppy disks, CD-ROMs, tapes, drives, cells, data processing devices or any other media which are used with electronically controlled equipment.

SUPPLEMENTARY PAYMENTS

1. We will pay, with respect to any claim we investigate or settle, or any "suit" against an insured we defend:

a. All expenses we incur.

b. Up to $250 for cost of bail bonds required because of accidents or traffic law violations arising out of the use of any vehicle to which this insurance applies. We do not have to furnish these bonds.

c. The cost of bonds to release attachments, but only for bond amounts within the applicable limit of insurance. We do not have to furnish these bonds.

d. All reasonable expenses incurred by the insured at our request to assist us in the investigation or defense of the claim or "suit", including actual loss of earnings up to $250 a day because of time off from work.

e. All court costs taxed against the insured in the "suit". However, these payments do not include attorneys' fees or attorneys' expenses taxed against the insured.

f. Prejudgment interest awarded against the insured on that part of the judgment we pay. If we make an offer to pay the applicable limit of insurance, we will not pay any prejudgment interest based on that period of time after the offer.

g. All interest on the full amount of any judgment that accrues after entry of the judgment and before we have paid, offered to pay, or deposited in court the part of the judgment that is within the applicable limit of insurance.

h. Expenses incurred by the insured for first aid administered to others at the time of an accident for "bodily injury" to which this insurance applies.

These payments will not reduce the limits of insurance.

2. If we defend an insured against a "suit" and an indemnitee of the insured is also named as a party to the "suit", we will defend that indemnitee if all of the following conditions are met:

a. The "suit" against the indemnitee seeks damages for which the insured has assumed the liability of the indemnitee in a contract or agreement that is an "insured contract";

b. This insurance applies to such liability assumed by the insured;

c. The obligation to defend, or the cost of the defense of, that indemnitee, has also been assumed by the insured in the same "insured contract";

d. The allegations in the "suit" and the information we know about the "occurrence" are such that no conflict appears to exist between the interests of the insured and the interests of the indemnitee;

e. The indemnitee and the insured ask us to conduct and control the defense of that indemnitee against such "suit" and agree that we can assign the same counsel to defend the insured and the indemnitee; and

f. The indemnitee:

(1) Agrees in writing to:

(a) Cooperate with us in the investigation, settlement or defense of the "suit";

(b) Immediately send us copies of any demands, notices, summonses or legal papers received in connection with the "suit";

(c) Notify any other insurer whose coverage is available to the indemnitee; and

(d) Cooperate with us with respect to coordinating other applicable insurance available to the indemnitee; and

(2) Provides us with written authorization to:

(a) Obtain records and other information related to the "suit"; and

(b) Conduct and control the defense of the indemnitee in such "suit".

So long as the above conditions are met, attorneys' fees incurred by us in the defense of that indemnitee, necessary litigation expenses incurred by us and necessary litigation expenses incurred by the indemnitee at our request will be paid as Supplementary Payments. Notwithstanding the provisions of Paragraph **2.b.(2)** of Section **I** – Coverages – Bodily Injury And Property Damage Liability, such payments will not be deemed to be damages for "bodily injury" and "property damage" and will not reduce the limits of insurance.

Our obligation to defend an insured's indemnitee and to pay for attorneys' fees and necessary litigation expenses as Supplementary Payments ends when we have used up the applicable limit of insurance in the payment of judgments or settlements or the conditions set forth above, or the terms of the agreement described in Paragraph **f.** above, are no longer met.

SECTION II – WHO IS AN INSURED

1. If you are designated in the Declarations as:

a. An individual, you and your spouse are insureds.

b. A partnership or joint venture, you are an insured. Your members, your partners, and their spouses are also insureds, but only with respect to their duties as partners or members of a joint venture.

c. A limited liability company, you are an insured. Your members are also insureds, but only with respect to their duties as members of a limited liability company. Your managers are insureds, but only with respect to their duties as your managers.

d. An organization other than a partnership, joint venture or limited liability company, you are an insured. Your "executive officers" and directors are insureds, but only with respect to their duties as your officers or directors. Your stockholders are also insureds, but only with respect to their liability as stockholders.

2. Each of the following is also an insured:

a. Any person (other than your "employee") or any organization while acting as your real estate manager.

b. Any person or organization having proper temporary custody of your property if you die, but only:

(1) With respect to liability arising out of the maintenance or use of that property; and

(2) Until your legal representative has been appointed.

c. Your legal representative if you die, but only with respect to duties as such. That representative will have all your rights and duties under this Coverage Part.

No person or organization is an insured with respect to the conduct of any current or past partnership, joint venture or limited liability company that is not shown as a Named Insured in the Declarations.

SECTION III – LIMITS OF INSURANCE

1. The Limits of Insurance shown in the Declarations and the rules below fix the most we will pay regardless of the number of:

a. Insureds;

b. Claims made or "suits" brought; or

c. Persons or organizations making claims or bringing "suits".

2. The Aggregate Limit is the most we will pay for the sum of damages because of all "bodily injury" and "property damage".

3. Subject to Paragraph **2.** above, the Each Occurrence Limit is the most we will pay for the sum of damages because of all "bodily injury" and "property damage" arising out of any one "occurrence".

If you designate more than one project in the Declarations, the Aggregate Limit shall apply separately to each project.

The Limits of Insurance of this Coverage Part apply separately to each consecutive annual period and to any remaining period of less than 12 months, starting with the beginning of the policy period shown in the Declarations, unless the policy period is extended after issuance for an additional period of less than 12 months. In that case, the additional period will be deemed part of the last preceding period for purposes of determining the Limits of Insurance.

SECTION IV – CONDITIONS

1. Bankruptcy

Bankruptcy or insolvency of the insured or of the insured's estate will not relieve us of our obligations under this Coverage Part.

2. Cancellation

a. The first Named Insured shown in the Declarations may cancel this policy by mailing or delivering to us advance written notice of cancellation.

b. We may cancel this policy by mailing or delivering to the first Named Insured and the "contractor" written notice of cancellation at least:

(1) 10 days before the effective date of cancellation if we cancel for nonpayment of premium; or

(2) 30 days before the effective date of cancellation if we cancel for any other reason.

c. We will mail or deliver our notices to the first Named Insured's and the "contractor's" last mailing address known to us.

d. Notice of cancellation will state the effective date of cancellation. The policy period will end on that date.

e. If this policy is cancelled, we will send the "contractor" any premium refund due. If we cancel, the refund will be pro rata. If the first Named Insured cancels, the refund may be less than pro rata. The cancellation will be effective even if we have not made or offered a refund.

f. If notice is mailed, proof of mailing will be sufficient proof of notice.

3. Changes

This policy contains all the agreements between you, the "contractor" and us concerning the insurance afforded. The first Named Insured shown in the Declarations and the "contractor" are authorized to make changes in the terms of this policy with our consent. This policy's terms can be amended or waived only by endorsement issued by us and made a part of this policy.

4. Duties In The Event Of Occurrence, Claim Or Suit

a. You must see to it that we are notified as soon as practicable of an "occurrence" which may result in a claim. To the extent possible, notice should include:

(1) How, when and where the "occurrence" took place;

(2) The names and addresses of any injured persons and witnesses; and

(3) The nature and location of any injury or damage arising out of the "occurrence".

b. If a claim is made or "suit" is brought against any insured, you must:

(1) Immediately record the specifics of the claim or "suit" and the date received; and

(2) Notify us as soon as practicable.

You must see to it that we receive written notice of the claim or "suit" as soon as practicable.

c. You and any other involved insured must:

(1) Immediately send us copies of any demands, notices, summonses or legal papers received in connection with the claim or "suit";

(2) Authorize us to obtain records and other information;

(3) Cooperate with us in the investigation or settlement of the claim or defense against the "suit"; and

(4) Assist us, upon our request, in the enforcement of any right against any person or organization which may be liable to the insured because of injury or damage to which this insurance may also apply.

d. No insured will, except at that insured's own cost, voluntarily make a payment, assume any obligation, or incur any expense, other than for first aid, without our consent.

5. Examination Of Your Books And Records

We may examine and audit your books and records as well as the "contractor's" books and records as they relate to this policy at any time during the policy period and up to three years afterward.

6. Inspections And Surveys

a. We have the right to:

(1) Make inspections and surveys at any time;

(2) Give you reports on the conditions we find; and

(3) Recommend changes.

b. We are not obligated to make any inspections, surveys, reports or recommendations and any such actions we do undertake relate only to insurability and the premiums to be charged. We do not make safety inspections. We do not undertake to perform the duty of any person or organization to provide for the health or safety of workers or the public. And we do not warrant that conditions:

(1) Are safe or healthful; or

(2) Comply with laws, regulations, codes or standards.

c. Paragraphs **a.** and **b.** of this condition apply not only to us, but also to any rating, advisory, rate service or similar organization which makes insurance inspections, surveys, reports or recommendations.

d. Paragraph **b.** of this condition does not apply to any inspections, surveys, reports or recommendations we may make relative to certification, under state or municipal statutes, ordinances or regulations, of boilers, pressure vessels or elevators.

7. Legal Action Against Us

No person or organization has a right under this Coverage Part:

a. To join us as a party or otherwise bring us into a "suit" asking for damages from an insured; or

b. To sue us on this Coverage Part unless all of its terms have been fully complied with.

A person or organization may sue us to recover on an agreed settlement or on a final judgment against an insured; but we will not be liable for damages that are not payable under the terms of this Coverage Part or that are in excess of the applicable limit of insurance. An agreed settlement means a settlement and release of liability signed by us, the insured and the claimant or the claimant's legal representative.

8. Other Insurance

The insurance afforded by this Coverage Part is primary insurance and we will not seek contribution from any other insurance available to you unless the other insurance is provided by a contractor other than the designated "contractor" for the same operation and job location designated in the Declarations. Then we will share with that other insurance by the method described below.

If all of the other insurance permits contribution by equal shares, we will follow this method also. Under this approach, each insurer contributes equal amounts until it has paid its applicable limit of insurance or none of the loss remains, whichever comes first.

If any of the other insurance does not permit contribution by equal shares, we will contribute by limits. Under this method, each insurer's share is based on the ratio of its applicable limit of insurance to the total applicable limits of insurance of all insurers.

9. Premiums

The "contractor":

a. Is responsible for the payment of all premiums; and

b. Will be the payee for any return premiums we pay.

10. Premium Audit

a. We will compute all premiums for this Coverage Part in accordance with our rules and rates.

b. Premium shown in this Coverage Part as advance premium is a deposit premium only. At the close of each audit period we will compute the earned premium for that period and send notice to the "contractor". The due date for audit and retrospective premiums is the date shown as the due date on the bill. If the sum of the advance and audit premiums paid for the policy period is greater than the earned premium, we will return the excess to the "contractor".

c. The "contractor" must keep records of the information we need for premium computation, and send us copies at such times as we may request.

11. Separation Of Insureds

Except with respect to the Limits of Insurance, and any rights or duties specifically assigned in this Coverage Part to the first Named Insured, this insurance applies:

a. As if each Named Insured were the only Named Insured; and

b. Separately to each insured against whom claim is made or "suit" is brought.

12. Transfer Of Rights Of Recovery Against Others To Us

If the insured has rights to recover all or part of any payment we have made under this Coverage Part those rights are transferred to us. The insured must do nothing after loss to impair them. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce them.

13. When We Do Not Renew

If we decide not to renew this Coverage Part, we will mail or deliver to the first Named Insured shown in the Declarations written notice of the nonrenewal not less than 30 days before the expiration date.

If notice is mailed, proof of mailing will be sufficient proof of notice.

SECTION V – DEFINITIONS

1. "Auto" means:

a. A land motor vehicle, trailer or semitrailer designed for travel on public roads, including any attached machinery or equipment; or

b. Any other land vehicle that is subject to a compulsory or financial responsibility law or other motor vehicle insurance law where it is licensed or principally garaged.

However, "auto" does not include "mobile equipment".

2. "Bodily injury" means bodily injury, sickness or disease sustained by a person, including death resulting from any of these at any time.

3. "Contractor" means the contractor designated in the Declarations.

4. "Employee" includes a "leased worker". "Employee" does not include a "temporary worker".

5. "Executive officer" means a person holding any of the officer positions created by your charter, constitution, bylaws or any other similar governing document.

6. "Hostile fire" means one which becomes uncontrollable or breaks out from where it was intended to be.

7. "Impaired property" means tangible property, other than work performed for you, that cannot be used or is less useful because:

a. It incorporates work performed for you that is known or thought to be defective, deficient, inadequate or dangerous; or

b. You have failed to fulfill the terms of a contract or agreement;

if such property can be restored to use by the repair, replacement, adjustment or removal of the work performed for you or your fulfilling the terms of the contract or agreement.

8. "Insured contract" means:

a. A lease of premises;

b. A sidetrack agreement;

c. Any easement or license agreement, except in connection with construction or demolition operations on or within 50 feet of a railroad;

d. An obligation, as required by ordinance, to indemnify a municipality, except in connection with work for a municipality; or

e. An elevator maintenance agreement.

9. "Leased worker" means a person leased to you by a labor leasing firm under an agreement between you and the labor leasing firm, to perform duties related to the conduct of your business. "Leased worker" does not include a "temporary worker".

10. "Mobile equipment" means any of the following types of land vehicles, including any attached machinery or equipment:

a. Bulldozers, farm machinery, forklifts and other vehicles designed for use principally off public roads;

b. Vehicles maintained for use solely on or next to premises you own or rent;

c. Vehicles that travel on crawler treads;

d. Vehicles, whether self-propelled or not, maintained primarily to provide mobility to permanently mounted:

(1) Power cranes, shovels, loaders, diggers or drills; or

(2) Road construction or resurfacing equipment such as graders, scrapers or rollers;

e. Vehicles not described in Paragraph **a., b., c.** or **d.** above that are not self-propelled and are maintained primarily to provide mobility to permanently attached equipment of the following types:

(1) Air compressors, pumps and generators, including spraying, welding, building cleaning, geophysical exploration, lighting and well servicing equipment; or

(2) Cherry pickers and similar devices used to raise or lower workers;

f. Vehicles not described in Paragraph **a., b., c.** or **d.** above maintained primarily for purposes other than the transportation of persons or cargo.

However, self-propelled vehicles with the following types of permanently attached equipment are not "mobile equipment" but will be considered "autos":

(1) Equipment designed primarily for:

(a) Snow removal;

(b) Road maintenance, but not construction or resurfacing; or

(c) Street cleaning;

(2) Cherry pickers and similar devices mounted on automobile or truck chassis and used to raise or lower workers; and

© Insurance Services Office, Inc., 2012

(3) Air compressors, pumps and generators, including spraying, welding, building cleaning, geophysical exploration, lighting and well servicing equipment.

However, "mobile equipment" does not include land vehicles that are subject to a compulsory or financial responsibility law or other motor vehicle insurance law where it is licensed or principally garaged. Land vehicles subject to a compulsory or financial responsibility law or other motor vehicle insurance law are considered "autos".

11. "Occurrence" means an accident, including continuous or repeated exposure to substantially the same general harmful conditions.

12. "Pollutants" mean any solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapor, soot, fumes, acids, alkalis, chemicals and waste. Waste includes materials to be recycled, reconditioned or reclaimed.

13. "Property damage" means:

a. Physical injury to tangible property, including all resulting loss of use of that property. All such loss of use shall be deemed to occur at the time of the physical injury that caused it; or

b. Loss of use of tangible property that is not physically injured. All such loss of use shall be deemed to occur at the time of the "occurrence" that caused it.

For the purposes of this insurance, electronic data is not tangible property.

As used in this definition, electronic data means information, facts or programs stored as or on, created or used on, or transmitted to or from, computer software, including systems and applications software, hard or floppy disks, CD-ROMs, tapes, drives, cells, data processing devices or any other media which are used with electronically controlled equipment.

14. "Suit" means a civil proceeding, brought in the United States of America (including its territories and possessions), Puerto Rico or Canada, in which damages because of "bodily injury" or "property damage" to which this insurance applies are alleged. "Suit" includes:

a. An arbitration proceeding in which such damages are claimed and to which the insured must submit or does submit with our consent; or

b. Any other alternative dispute resolution proceeding in which such damages are claimed and to which the insured submits with our consent.

15. "Temporary worker" means a person who is furnished to you to substitute for a permanent "employee" on leave or to meet seasonal or short-term workload conditions.

16. "Work" includes materials, parts or equipment furnished in connection with the operations.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

CAP ON LOSSES FROM CERTIFIED ACTS OF TERRORISM

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
POLLUTION LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
UNDERGROUND STORAGE TANK POLICY

A. If aggregate insured losses attributable to terrorist acts certified under the federal Terrorism Risk Insurance Act exceed $100 billion in a calendar year and we have met our insurer deductible under the Terrorism Risk Insurance Act, we shall not be liable for the payment of any portion of the amount of such losses that exceeds $100 billion, and in such case insured losses up to that amount are subject to pro rata allocation in accordance with procedures established by the Secretary of the Treasury.

"Certified act of terrorism" means an act that is certified by the Secretary of the Treasury, in accordance with the provisions of the federal Terrorism Risk Insurance Act, to be an act of terrorism pursuant to such Act. The criteria contained in the Terrorism Risk Insurance Act for a "certified act of terrorism" include the following:

1. The act resulted in insured losses in excess of $5 million in the aggregate, attributable to all types of insurance subject to the Terrorism Risk Insurance Act; and

2. The act is a violent act or an act that is dangerous to human life, property or infrastructure and is committed by an individual or individuals as part of an effort to coerce the civilian population of the United States or to influence the policy or affect the conduct of the United States Government by coercion.

B. The terms and limitations of any terrorism exclusion, or the inapplicability or omission of a terrorism exclusion, do not serve to create coverage for injury or damage that is otherwise excluded under this Coverage Part.

 © Insurance Services Office, Inc., 2015

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

EXCLUSION OF PUNITIVE DAMAGES RELATED TO A CERTIFIED ACT OF TERRORISM

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
POLLUTION LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
UNDERGROUND STORAGE TANK POLICY

A. The following exclusion is added:

This insurance does not apply to:

TERRORISM PUNITIVE DAMAGES

Damages arising, directly or indirectly, out of a "certified act of terrorism" that are awarded as punitive damages.

B. The following definition is added:

"Certified act of terrorism" means an act that is certified by the Secretary of the Treasury, in accordance with the provisions of the federal Terrorism Risk Insurance Act, to be an act of terrorism pursuant to such Act. The criteria contained in the Terrorism Risk Insurance Act for a "certified act of terrorism" include the following:

1. The act resulted in insured losses in excess of $5 million in the aggregate, attributable to all types of insurance subject to the Terrorism Risk Insurance Act; and

2. The act is a violent act or an act that is dangerous to human life, property or infrastructure and is committed by an individual or individuals as part of an effort to coerce the civilian population of the United States or to influence the policy or affect the conduct of the United States Government by coercion.

C. The terms and limitations of any terrorism exclusion, or the inapplicability or omission of a terrorism exclusion, do not serve to create coverage for injury or damage that is otherwise excluded under this Coverage Part.

© Insurance Services Office, Inc., 2015

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

EMPLOYMENT-RELATED PRACTICES EXCLUSION

This endorsement modifies insurance provided under the following:

OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
POLLUTION LIABILITY COVERAGE PART

The following exclusion is added to Paragraph **2., Exclusions** of **Coverages – Bodily Injury And Property Damage Liability (Section I – Coverages):**

This insurance does not apply to:

"Bodily injury" to:

(1) A person arising out of any:

- **(a)** Refusal to employ that person;
- **(b)** Termination of that person's employment; or
- **(c)** Employment-related practices, policies, acts or omissions, such as coercion, demotion, evaluation, reassignment, discipline, defamation, harassment, humiliation, discrimination or malicious prosecution directed at that person; or

(2) The spouse, child, parent, brother or sister of that person as a consequence of "bodily injury" to that person at whom any of the employment-related practices described in Paragraphs **(a), (b)** or **(c)** above is directed.

This exclusion applies:

(1) Whether the injury-causing event described in Paragraphs **(a), (b)** or **(c)** above occurs before employment, during employment or after employment of that person;

(2) Whether the insured may be liable as an employer or in any other capacity; and

(3) To any obligation to share damages with or repay someone else who must pay damages because of the injury.

© ISO Properties, Inc., 2006

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

SILICA OR SILICA-RELATED DUST EXCLUSION

This endorsement modifies insurance provided under the following:

OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

A. The following exclusion is added to Paragraph **2., Exclusions** of **Section I – Coverages Bodily Injury And Property Damage Liability:**

2. Exclusions

This insurance does not apply to:

SILICA OR SILICA-RELATED DUST

a. "Bodily injury" arising, in whole or in part, out of the actual, alleged, threatened or suspected inhalation of, or ingestion of, "silica" or "silica-related dust".

b. "Property damage" arising, in whole or in part, out of the actual, alleged, threatened or suspected contact with, exposure to, existence of, or presence of, "silica" or "silica-related dust".

c. Any loss, cost or expense arising, in whole or in part, out of the abating, testing for, monitoring, cleaning up, removing, containing, treating, detoxifying, neutralizing, remediating or disposing of, or in any way responding to or assessing the effects of, "silica" or "silica-related dust", by any insured or by any other person or entity.

B. The following definitions are added to the **Definitions** Section:

1. "Silica" means silicon dioxide (occurring in crystalline, amorphous and impure forms), silica particles, silica dust or silica compounds.

2. "Silica-related dust" means a mixture or combination of silica and other dust or particles.

© ISO Properties, Inc., 2004

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

NUCLEAR ENERGY LIABILITY EXCLUSION ENDORSEMENT

(Broad Form)

This endorsement modifies insurance provided under the following:

COMMERCIAL AUTOMOBILE COVERAGE PART
COMMERCIAL GENERAL LIABILITY COVERAGE PART
FARM COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
MEDICAL PROFESSIONAL LIABILITY COVERAGE PART
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
POLLUTION LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
UNDERGROUND STORAGE TANK POLICY

1. The insurance does not apply:

A. Under any Liability Coverage, to "bodily injury" or "property damage":

(1) With respect to which an "insured" under the policy is also an insured under a nuclear energy liability policy issued by Nuclear Energy Liability Insurance Association, Mutual Atomic Energy Liability Underwriters, Nuclear Insurance Association of Canada or any of their successors, or would be an insured under any such policy but for its termination upon exhaustion of its limit of liability; or

(2) Resulting from the "hazardous properties" of "nuclear material" and with respect to which **(a)** any person or organization is required to maintain financial protection pursuant to the Atomic Energy Act of 1954, or any law amendatory thereof, or **(b)** the "insured" is, or had this policy not been issued would be, entitled to indemnity from the United States of America, or any agency thereof, under any agreement entered into by the United States of America, or any agency thereof, with any person or organization.

B. Under any Medical Payments coverage, to expenses incurred with respect to "bodily injury" resulting from the "hazardous properties" of "nuclear material" and arising out of the operation of a "nuclear facility" by any person or organization.

C. Under any Liability Coverage, to "bodily injury" or "property damage" resulting from "hazardous properties" of "nuclear material", if:

(1) The "nuclear material" **(a)** is at any "nuclear facility" owned by, or operated by or on behalf of, an "insured" or **(b)** has been discharged or dispersed therefrom;

(2) The "nuclear material" is contained in "spent fuel" or "waste" at any time possessed, handled, used, processed, stored, transported or disposed of, by or on behalf of an "insured"; or

(3) The "bodily injury" or "property damage" arises out of the furnishing by an "insured" of services, materials, parts or equipment in connection with the planning, construction, maintenance, operation or use of any "nuclear facility", but if such facility is located within the United States of America, its territories or possessions or Canada, this exclusion **(3)** applies only to "property damage" to such "nuclear facility" and any property thereat.

2. As used in this endorsement:

"Hazardous properties" includes radioactive, toxic or explosive properties.

"Nuclear material" means "source material", "special nuclear material" or "by-product material".

"Source material", "special nuclear material", and "by-product material" have the meanings given them in the Atomic Energy Act of 1954 or in any law amendatory thereof.

© ISO Properties, Inc., 2007

"Spent fuel" means any fuel element or fuel component, solid or liquid, which has been used or exposed to radiation in a "nuclear reactor".

"Waste" means any waste material **(a)** containing "by-product material" other than the tailings or wastes produced by the extraction or concentration of uranium or thorium from any ore processed primarily for its "source material" content, and **(b)** resulting from the operation by any person or organization of any "nuclear facility" included under the first two paragraphs of the definition of "nuclear facility".

"Nuclear facility" means:

(a) Any "nuclear reactor";

(b) Any equipment or device designed or used for **(1)** separating the isotopes of uranium or plutonium, **(2)** processing or utilizing "spent fuel", or **(3)** handling, processing or packaging "waste";

(c) Any equipment or device used for the processing, fabricating or alloying of "special nuclear material" if at any time the total amount of such material in the custody of the "insured" at the premises where such equipment or device is located consists of or contains more than 25 grams of plutonium or uranium 233 or any combination thereof, or more than 250 grams of uranium 235;

(d) Any structure, basin, excavation, premises or place prepared or used for the storage or disposal of "waste";

and includes the site on which any of the foregoing is located, all operations conducted on such site and all premises used for such operations.

"Nuclear reactor" means any apparatus designed or used to sustain nuclear fission in a self-supporting chain reaction or to contain a critical mass of fissionable material.

"Property damage" includes all forms of radioactive contamination of property.

© ISO Properties, Inc., 2007

MARKEL AMERICAN INSURANCE COMPANY

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

TRADE OR ECONOMIC SANCTIONS

The following is added to this policy:

Trade Or Economic Sanctions

This insurance does not provide any coverage, and we (the Company) shall not make payment of any claim or provide any benefit hereunder, to the extent that the provision of such coverage, payment of such claim or provision of such benefit would expose us (the Company) to a violation of any applicable trade or economic sanctions, laws or regulations, including but not limited to, those administered and enforced by the United States Treasury Department's Office of Foreign Assets Control (OFAC).

All other terms and conditions remain unchanged.

MARKEL®

MARKEL AMERICAN INSURANCE COMPANY

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

EXCLUSION – CYBER INCIDENT, DATA COMPROMISE, AND VIOLATION OF STATUTES RELATED TO PERSONAL DATA

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE FORM
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE FORM
POLLUTION LIABILITY LIMITED COVERAGE FORM DESIGNATED SITES
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE FORM

A. The following exclusion is added to the Exclusions section of the Coverage Form, and all insuring agreements added to this policy by separate endorsement other than an endorsement described in Paragraph **B.** below, and replaces any Electronic Data exclusion found anywhere in the policy:

This insurance does not apply to:

Cyber Incident, Data Compromise, And Violation Of Statutes Related To Personal Data

Damages caused by, arising out of, or in any way involving, directly or indirectly:

(1) The loss of, loss of use of, corruption of, inability to access, or reduction in functionality of a "computer system", including, but not limited to:

(a) Damage to or loss of data occurring on a "computer system";

(b) Unauthorized access of a "computer system";

(c) Computer malware on a "computer system";

(d) Human error affecting a "computer system";

(e) System failure occurring on a "computer system";

(f) A defect of a "computer system";

(g) Social engineering, including, but not limited to, any priming, pretexting, spoofing, or other fraudulent, manipulative, or deceptive communication; or

(h) Cyber extortion;

(2) Any:

(a) Access to or disclosure of (whether such access or disclosure is authorized or unauthorized); or

(b) Theft, alteration, or corruption of;

any person's or organization's confidential, intellectual, or proprietary information or data, including, but not limited to, "personal data", patents, trade secrets, processing methods, customer lists, or any other type of nonpublic information; or

(3) Any action or omission that violates or is alleged to violate any federal, state, or local statute, law, rule, ordinance, or regulation that addresses, prohibits, regulates, or limits the printing, interception, dissemination, disposal, collecting, recording, sending, transmitting, communicating, distribution, sharing, sale, storage, retaining, receiving, or protection of "personal data", including, but not limited to:

Includes copyrighted material of Insurance Services Office, Inc., with its permission.

(a) The Illinois Biometric Information Privacy Act (BIPA);

(b) The California Consumer Privacy Act (CCPA);

(c) The California Invasion Of Privacy Act (CIPA);

(d) The New York Stop Hacks and Improve Electronic Data Security Act (SHIELD Act);

(e) The European Union General Data Protection Regulation (GDPR); or

(f) Any similar or related federal, state, or local statute, law, rule, ordinance, or regulation;

including any amendments thereto.

This exclusion applies even if damages are claimed for notification costs, credit monitoring or repair expenses, forensic expenses, public relation expenses, costs associated with the replacement or reissuance of payment cards, fines, penalties, loss of use of property that has not been physically damaged, or any other loss, cost, or expense incurred by you or others arising out of that which is excluded above.

However, this exclusion does not apply to liability for damages because of "bodily injury" or physical damage to tangible property of others. For the purpose of this exclusion, electronic data is not tangible property. The insurance afforded by this exception is excess over any other valid and collectible insurance available to the insured, whether primary, excess, contingent, or issued on any other basis.

As used in this exclusion, electronic data means information, facts, or programs stored as or on, created or used on, or transmitted to or from computer software, including systems and applications software, hard or floppy disks, CD-ROMs, tapes, drives, cells, data processing devices, or any other media which are used with electronically controlled equipment.

B. If this policy contains an endorsement adding an insuring agreement that specifically provides coverage that is excluded in Paragraph **A.** above, then the exclusion added by this endorsement does not apply to such insuring agreement solely to the extent of the coverage provided by such endorsement.

C. The following definitions are added to the Definitions section:

"Computer system" means computer hardware, firmware, software, or any components thereof.

"Personal data" means information that identifies, relates to, describes, is capable of being associated with, or could reasonably be linked to a particular person or household, including, but not limited to:

a. Identifiers such as a real name, alias, postal address, unique personal identifier, online identifier, Internet Protocol address, email address, password, account name, social security number, driver's license or state identification card number, passport number, telephone number, insurance policy number, employment, employment history, bank account number, credit card number, debit card number, or any other financial information, medical information, or health insurance information, or other similar identifiers, characteristics, or descriptors;

b. Commercial information, including records of personal property, products, or services purchased, obtained, or considered, transactions occurring over a peer-to-peer electronic cash system, or other purchasing or consuming histories or tendencies;

c. Biometric data or information (such as a fingerprint, voice print, retina or iris image, or other unique physical representation or digital representation of biometric data);

d. Internet or other electronic network activity information, including, but not limited to, browsing history, search history, and information regarding a person's or household's interaction with an internet website, application, or advertisement;

e. Geolocation data;

f. Audio, electronic, visual, thermal, olfactory, or similar information;

g. Professional or employment-related information that is not publicly available;

h. Education information, defined as information that is not publicly available personally identifiable information as defined in the Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. section 1232g; 34 CFR Part 99) including any amendments thereto;

i. Identifiers set forth in any state or federal consumer protection or privacy statute or law including, but not limited to, the identifiers shown in Paragraphs **a.** through **h.** above; or

Includes copyrighted material of Insurance Services Office, Inc., with its permission.

j. Inferences drawn from any of the identifiers shown in Paragraphs **a.** through **i.** above to create a profile about a person or household reflecting such person's or household's preferences, characteristics, psychological trends, predispositions, behavior, attitudes, intelligence, abilities, or aptitudes.

All other terms and conditions remain unchanged.

Includes copyrighted material of Insurance Services Office, Inc., with its permission.

MARKEL AMERICAN INSURANCE COMPANY

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

EXCLUSION – ASBESTOS

This endorsement modifies insurance provided under the following:

OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE FORM

A. The following exclusion is added to Paragraph **2.** Exclusions under Section **I –** Coverages, Bodily Injury And Property Damage Liability:

This insurance does not apply to:

Asbestos

(1) "Bodily injury" or "property damage" caused by or arising out of, in whole or in part, either directly or indirectly, asbestos.

(2) Any legal obligation of any insured for indemnification or contribution due to damages because of "bodily injury" or "property damage" caused by or arising out of, in whole or in part, either directly or indirectly, asbestos.

(3) Any loss, cost, expense, or damages arising out of any:

(a) Request, demand, or order that any insured or others test for, monitor, clean up, remove, abate, contain, treat, or neutralize asbestos or in any way respond to or assess the effects of asbestos; or

(b) Claim or "suit" relating to testing for, monitoring, cleaning up, removing, abating, containing, treating, or neutralizing asbestos or in any way responding to or assessing the effects of asbestos.

B. For the purpose of this endorsement, asbestos means any form of asbestos or asbestos-containing material, including but not limited to asbestos or asbestos-containing material that is:

1. Airborne, as a fiber, particle, or dust;

2. Contained in a product;

3. Carried or transmitted on clothing or by any other means;

4. Inhaled or ingested; or

5. Contained in or a part of any:

a. Building, building material, or insulation product; or

b. Component part of any building, building material, or insulation product.

All other terms and conditions remain unchanged.

Includes copyrighted material of Insurance Services Office, Inc., with its permission.

MARKEL AMERICAN INSURANCE COMPANY

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

EXCLUSION – FUNGI OR BACTERIA

This endorsement modifies insurance provided under the following:

OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE FORM

A. The following exclusion is added to Paragraph **2.** Exclusions under Section **I** – Coverages, Bodily Injury And Property Damage Liability:

This insurance does not apply to:

Fungi Or Bacteria

(1) "Bodily injury" or "property damage" which would not have occurred, in whole or in part, but for the actual, alleged, or threatened inhalation of, ingestion of, contact with, exposure to, existence of, or presence of, any "fungi" or bacteria on or within a building or structure, including its contents, regardless of whether any other cause, event, material, or product contributed concurrently or in any sequence to such injury or damage.

(2) Any loss, cost, or expense arising out of the abating, testing for, monitoring, cleaning up, removing, containing, treating, detoxifying, neutralizing, remediating, or disposing of, or in any way responding to, or assessing the effects of, "fungi" or bacteria, by any person or entity.

(3) Costs and expenses to investigate or defend any claim or "suit" or payment of any fine or penalty for the exclusions in Paragraphs **(1)** or **(2)** above.

This exclusion applies:

(a) To any obligation to share damages with or repay someone else who must pay damages; and

(b) To any "fungi" existing, emanating from, or moving anywhere indoors or outdoors.

B. The following definition is added to Section **V** – Definitions:

"Fungi" means any type or form of fungus, including mold or mildew and any mycotoxins, spores, scents, or by-products produced or released by fungi.

All other terms and conditions unchanged.

Includes copyrighted material of Insurance Services Office, Inc. with its permission.

MARKEL AMERICAN INSURANCE COMPANY

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

EXCLUSION – LEAD LIABILITY

This endorsement modifies insurance provided under the following:

OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE FORM

The following exclusion is added to Paragraph **2.** Exclusions under Section **I –** Coverages, Bodily Injury And Property Damage Liability:

This insurance does not apply to:

Lead Liability

(1) "Bodily injury" or "property damage" arising out of or caused by lead or any material or substance containing lead;

(2) Any legal obligation of any insured for indemnification or contribution due to damages arising out of "bodily injury" or "property damage" arising out of or caused by lead or any material or substance containing lead; or

(3) Loss, cost, expense, or damages arising out of any:

(a) Request, demand, or order that any insured or others test for, monitor, clean up, remove, abate, contain, treat, or neutralize lead or any material or substance containing lead, or in any way respond to or assess the effects of lead; or

(b) Claim or "suit" relating to, testing for, monitoring, cleaning up, removing, abating, containing, treating, or neutralizing lead or any material or substance containing lead, or in any way responding to or assessing the effects of lead.

All other terms and conditions remain unchanged.

Includes copyrighted material of Insurance Services Office, Inc., with its permission.

MARKEL AMERICAN INSURANCE COMPANY

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

TOTAL POLLUTION EXCLUSION

This endorsement modifies insurance provided under the following:

OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE FORM

Exclusion **j.** of Paragraph **2.** Exclusions under Section **I** – Coverages, Bodily Injury And Property Damage Liability is replaced by the following:

This insurance does not apply to:

j. Pollution

(1) "Bodily injury" or "property damage" which would not have occurred in whole or in part but for the actual, alleged, or threatened discharge, dispersal, seepage, migration, release, or escape of "pollutants" at any time.

(2) Any loss, cost, or expense arising out of any:

(a) Request, demand, order, or statutory or regulatory requirement that any insured or others test for, monitor, clean up, remove, contain, treat, detoxify, or neutralize, or in any way respond to, or assess the effects of "pollutants"; or

(b) Claim or "suit" by or on behalf of a governmental authority for damages because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying, or neutralizing, or in any way responding to, or assessing the effects of "pollutants".

All other terms and conditions remain unchanged.

Includes copyrighted material of Insurance Services Office, Inc., with its permission.

MARKEL AMERICAN INSURANCE COMPANY

THIS ENDORSEMENT IS ATTACHED TO AND MADE PART OF YOUR POLICY IN RESPONSE TO THE DISCLOSURE REQUIREMENTS OF THE TERRORISM RISK INSURANCE ACT. THIS ENDORSEMENT DOES NOT GRANT ANY COVERAGE OR CHANGE THE TERMS AND CONDITIONS OF ANY COVERAGE UNDER THE POLICY.

CONFIRMATION OF CERTIFIED ACTS OF TERRORISM COVERAGE – TERRORISM RISK INSURANCE ACT

SCHEDULE

Terrorism Premium:	$0
Federal Share Of Terrorism Losses:	80%

Disclosure Of Premium

We have notified you that under the Terrorism Risk Insurance Act we must make certified acts of terrorism coverage available in the policies we offer.

Certified acts of terrorism coverage has been provided because either you have indicated to us or your agent that certified acts of terrorism coverage is desired or we have provided certified acts of terrorism coverage at no additional charge. If you have chosen to purchase certified acts of terrorism coverage, the premium charge is the amount shown in the Schedule of this notice.

If there is no premium shown above or the premium shown is $0, there is no separate premium for the coverage during this policy period.

Disclosure Of Federal Participation In Payment Of Terrorism Losses

The United States Government, Department of the Treasury, will pay a share of terrorism losses insured under the federal program. The federal share equals a percentage (as shown in the Schedule of this notice) of that portion of the amount of such insured losses that exceeds the applicable insurer retention. However, if aggregate insured losses attributable to terrorist acts certified under the Terrorism Risk Insurance Act exceed $100 billion in a calendar year, the Treasury shall not make any payment for any portion of the amount of such losses that exceeds $100 billion.

Includes copyrighted material of Insurance Services Office, Inc., with its permission.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/18/2026

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

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

PRODUCER Ieuter Insurance Group 414 Townsend Midland MI 48640	**CONTACT NAME:** **PHONE (A/C, No, Ext):** 989-835-6701 **FAX (A/C, No):** 989-835-2964 **E-MAIL ADDRESS:** certs@ieuter.com
	INSURER(S) AFFORDING COVERAGE / **NAIC #**
	INSURER A : Safety National Casualty (Regency) — 15105
INSURED LOISK-1 Lois Kay Contracting Co & S.G. Asphalt Paving Co. Div of 3046 Carrollton Rd Saginaw MI 48604	**INSURER B :** Westchester Fire Insurance
	INSURER C : Travelers Insurance -- MAIN — 31194
	INSURER D :
	INSURER E :
	INSURER F :

COVERAGES **CERTIFICATE NUMBER:** 1209412724 **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
C	X **COMMERCIAL GENERAL LIABILITY** CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC OTHER:			DT-CO-8X143515-PHX-24	5/1/2026	5/1/2027	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG 	$ 1,000,000 $ 100,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000 $
C	**AUTOMOBILE LIABILITY** X ANY AUTO OWNED AUTOS ONLY / SCHEDULED AUTOS X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY X ALL OWNED			810-8X057059-24-26-G	5/1/2026	5/1/2027	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) 	$ 1,000,000 $ $ $ $
C	X **UMBRELLA LIAB** X OCCUR **EXCESS LIAB** CLAIMS-MADE DED X RETENTION $ 10,000			CUP-8X143921-24-26	5/1/2026	5/1/2027	EACH OCCURRENCE AGGREGATE 	$ 5,000,000 $ 5,000,000 $
A	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N / A **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below			LOISK-C	5/1/2026	5/1/2027	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 500,000 $ 500,000 $ 500,000
B C	Pollution Rented/Leased Equipment			G73595125 DT-CO-8X143515-PHX-24	8/1/2025 5/1/2026	8/1/2027 5/1/2027	Limit Limit	$1,000,000 $30,000

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

Contract C-1723 – 2026 Local Road Millage Resurfacing and Water Main Replacement, City of Saginaw, Michigan. City of Saginaw, including its officers, employees, agents, and representatives, is included as additional insured as required by written contract for ongoing and completed operations. General Liability and Umbrella coverages are primary and noncontributory with respect to additional insureds and include a waiver of subrogation in their favor. Coverage is maintained in accordance with contract requirements and provides thirty (30) days written notice of cancellation per policy provisions.

CERTIFICATE HOLDER

The City of Saginaw
1315 S. Washington Avenue
Saginaw MI 486011

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2015 ACORD CORPORATION. All rights reserved.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/28/2026

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

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

PRODUCER
Ieuter Insurance Group
414 Townsend
Midland MI 48640

CONTACT NAME:
PHONE (A/C, No, Ext): 989-835-6701 **FAX (A/C, No):** 989-835-2964
E-MAIL ADDRESS: certs@ieuter.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Safety National Casualty (Regency)	15105
INSURER B : Westchester Fire Insurance	
INSURER C : Travelers Insurance -- MAIN	31194
INSURER D :	
INSURER E :	
INSURER F :	

INSURED LOISK-1
Lois Kay Contracting Co &
S.G. Asphalt Paving Co. Div of
3046 Carrollton Rd
Saginaw MI 48604

COVERAGES **CERTIFICATE NUMBER:** 1897506282 **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
C	X **COMMERCIAL GENERAL LIABILITY** [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC [ ] OTHER:	Y	Y	DT-CO-8X143515-PHX-24	5/1/2026	5/1/2027	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 100,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
C	**AUTOMOBILE LIABILITY** X ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS X HIRED AUTOS ONLY X NON-OWNED AUTOS ONLY X ALL OWNED	Y	Y	810-8X057059-24-26-G	5/1/2026	5/1/2027	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
C	X **UMBRELLA LIAB** X OCCUR **EXCESS LIAB** [ ] CLAIMS-MADE [ ] DED X RETENTION $ 10,000	Y	Y	CUP-8X143921-24-26	5/1/2026	5/1/2027	EACH OCCURRENCE AGGREGATE	$ 5,000,000 $ 5,000,000
A	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [ ] **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	Y	LOISK-C	5/1/2026	5/1/2027	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 500,000 $ 500,000 $ 500,000
B C	Pollution Rented/Leased Equipment			G73595125 DT-CO-8X143515-PHX-24	8/1/2025 5/1/2026	8/1/2027 5/1/2027	Limit Limit	$1,000,000 $30,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Contract # Lois Kay Contracting Co for 2026 Local Road Millage Resurfacing and Water Main Replacement (C-1723)
Contract Amount: $2,976,139.40

City of Saginaw, its officers and employees are Additional Insured with regard to General Liability and Umbrella Liability. 30 day written notice of cancellation. This coverage is primary to the City and not contributing or pro rata with any other insurance or similar protection, which is or may be available to or carried ty the City.

CERTIFICATE HOLDER

City of Saginaw
1315 S Washington Ave
Saginaw, MI 48601

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2015 ACORD CORPORATION. All rights reserved.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BUSINESS AUTO EXTENSION ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

GENERAL DESCRIPTION OF COVERAGE – This endorsement broadens coverage. However, coverage for any injury, damage or medical expenses described in any of the provisions of this endorsement may be excluded or limited by another endorsement to the Coverage Part, and these coverage broadening provisions do not apply to the extent that coverage is excluded or limited by such an endorsement. The following listing is a general coverage description only. Limitations and exclusions may apply to these coverages. Read all the provisions of this endorsement and the rest of your policy carefully to determine rights, duties, and what is and is not covered.

A. BROAD FORM NAMED INSURED

B. BLANKET ADDITIONAL INSURED

C. EMPLOYEE HIRED AUTO

D. EMPLOYEES AS INSURED

E. SUPPLEMENTARY PAYMENTS – INCREASED LIMITS

F. HIRED AUTO – LIMITED WORLDWIDE COVERAGE – INDEMNITY BASIS

G. WAIVER OF DEDUCTIBLE – GLASS

H. HIRED AUTO PHYSICAL DAMAGE – LOSS OF USE – INCREASED LIMIT

I. PHYSICAL DAMAGE – TRANSPORTATION EXPENSES – INCREASED LIMIT

J. PERSONAL PROPERTY

K. AIRBAGS

L. NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS

M. BLANKET WAIVER OF SUBROGATION

N. UNINTENTIONAL ERRORS OR OMISSIONS

PROVISIONS

A. BROAD FORM NAMED INSURED

The following is added to Paragraph **A.1.**, **Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any organization you newly acquire or form during the policy period over which you maintain 50% or more ownership interest and that is not separately insured for Business Auto Coverage. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier.

B. BLANKET ADDITIONAL INSURED

The following is added to Paragraph **c.** in **A.1.**, **Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any person or organization who is required under a written contract or agreement between you and that person or organization, that is signed and executed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, to be named as an additional insured is an "insured" for Covered Autos Liability Coverage, but only for damages to which this insurance applies and only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured provision contained in Section **II**.

C. EMPLOYEE HIRED AUTO

1. The following is added to Paragraph **A.1.**, **Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

An "employee" of yours is an "insured" while operating an "auto" hired or rented under a contract or agreement in an "employee's" name, with your permission, while performing duties related to the conduct of your business.

2. The following replaces Paragraph **b.** in **B.5.**, **Other Insurance**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

b. For Hired Auto Physical Damage Coverage, the following are deemed to be covered "autos" you own:

(1) Any covered "auto" you lease, hire, rent or borrow; and

(2) Any covered "auto" hired or rented by your "employee" under a contract in an "employee's" name, with your

© 2015 The Travelers Indemnity Company. All rights reserved.
Includes copyrighted material of Insurance Services Office, Inc. with its permission.

permission, while performing duties related to the conduct of your business.

However, any "auto" that is leased, hired, rented or borrowed with a driver is not a covered "auto".

D. EMPLOYEES AS INSURED

The following is added to Paragraph **A.1.**, **Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any "employee" of yours is an "insured" while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

E. SUPPLEMENTARY PAYMENTS – INCREASED LIMITS

1. The following replaces Paragraph **A.2.a.(2)**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

(2) Up to $3,000 for cost of bail bonds (including bonds for related traffic law violations) required because of an "accident" we cover. We do not have to furnish these bonds.

2. The following replaces Paragraph **A.2.a.(4)**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

(4) All reasonable expenses incurred by the "insured" at our request, including actual loss of earnings up to $500 a day because of time off from work.

F. HIRED AUTO – LIMITED WORLDWIDE COVERAGE – INDEMNITY BASIS

The following replaces Subparagraph **(5)** in Paragraph **B.7.**, **Policy Period, Coverage Territory**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

(5) Anywhere in the world, except any country or jurisdiction while any trade sanction, embargo, or similar regulation imposed by the United States of America applies to and prohibits the transaction of business with or within such country or jurisdiction, for Covered Autos Liability Coverage for any covered "auto" that you lease, hire, rent or borrow without a driver for a period of 30 days or less and that is not an "auto" you lease, hire, rent or borrow from any of your "employees", partners (if you are a partnership), members (if you are a limited liability company) or members of their households.

(a) With respect to any claim made or "suit" brought outside the United States of America, the territories and possessions of the United States of America, Puerto Rico and Canada:

(i) You must arrange to defend the "insured" against, and investigate or settle any such claim or "suit" and keep us advised of all proceedings and actions.

(ii) Neither you nor any other involved "insured" will make any settlement without our consent.

(iii) We may, at our discretion, participate in defending the "insured" against, or in the settlement of, any claim or "suit".

(iv) We will reimburse the "insured" for sums that the "insured" legally must pay as damages because of "bodily injury" or "property damage" to which this insurance applies, that the "insured" pays with our consent, but only up to the limit described in Paragraph **C.**, Limits Of Insurance, of SECTION **II** – COVERED AUTOS LIABILITY COVERAGE.

(v) We will reimburse the "insured" for the reasonable expenses incurred with our consent for your investigation of such claims and your defense of the "insured" against any such "suit", but only up to and included within the limit described in Paragraph **C.**, Limits Of Insurance, of SECTION **II** – COVERED AUTOS LIABILITY COVERAGE, and not in addition to such limit. Our duty to make such payments ends when we have used up the applicable limit of insurance in payments for damages, settlements or defense expenses.

(b) This insurance is excess over any valid and collectible other insurance available to the "insured" whether primary, excess, contingent or on any other basis.

(c) This insurance is not a substitute for required or compulsory insurance in any country outside the United States, its territories and possessions, Puerto Rico and Canada.

© 2015 The Travelers Indemnity Company. All rights reserved.
Includes copyrighted material of Insurance Services Office, Inc. with its permission.

You agree to maintain all required or compulsory insurance in any such country up to the minimum limits required by local law. Your failure to comply with compulsory insurance requirements will not invalidate the coverage afforded by this policy, but we will only be liable to the same extent we would have been liable had you complied with the compulsory insurance requirements.

(d) It is understood that we are not an admitted or authorized insurer outside the United States of America, its territories and possessions, Puerto Rico and Canada. We assume no responsibility for the furnishing of certificates of insurance, or for compliance in any way with the laws of other countries relating to insurance.

G. WAIVER OF DEDUCTIBLE – GLASS

The following is added to Paragraph **D.**, **Deductible**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

No deductible for a covered "auto" will apply to glass damage if the glass is repaired rather than replaced.

H. HIRED AUTO PHYSICAL DAMAGE – LOSS OF USE – INCREASED LIMIT

The following replaces the last sentence of Paragraph **A.4.b.**, **Loss Of Use Expenses**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

However, the most we will pay for any expenses for loss of use is $65 per day, to a maximum of $750 for any one "accident".

I. PHYSICAL DAMAGE – TRANSPORTATION EXPENSES – INCREASED LIMIT

The following replaces the first sentence in Paragraph **A.4.a.**, **Transportation Expenses**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

We will pay up to $50 per day to a maximum of $1,500 for temporary transportation expense incurred by you because of the total theft of a covered "auto" of the private passenger type.

J. PERSONAL PROPERTY

The following is added to Paragraph **A.4.**, **Coverage Extensions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

Personal Property

We will pay up to $400 for "loss" to wearing apparel and other personal property which is:

(1) Owned by an "insured"; and

(2) In or on your covered "auto".

This coverage applies only in the event of a total theft of your covered "auto".

No deductibles apply to this Personal Property coverage.

K. AIRBAGS

The following is added to Paragraph **B.3.**, **Exclusions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

Exclusion **3.a.** does not apply to "loss" to one or more airbags in a covered "auto" you own that inflate due to a cause other than a cause of "loss" set forth in Paragraphs **A.1.b.** and **A.1.c.**, but only:

a. If that "auto" is a covered "auto" for Comprehensive Coverage under this policy;

b. The airbags are not covered under any warranty; and

c. The airbags were not intentionally inflated.

We will pay up to a maximum of $1,000 for any one "loss".

L. NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS

The following is added to Paragraph **A.2.a.**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

Your duty to give us or our authorized representative prompt notice of the "accident" or "loss" applies only when the "accident" or "loss" is known to:

(a) You (if you are an individual);

(b) A partner (if you are a partnership);

(c) A member (if you are a limited liability company);

(d) An executive officer, director or insurance manager (if you are a corporation or other organization); or

(e) Any "employee" authorized by you to give notice of the "accident" or "loss".

M. BLANKET WAIVER OF SUBROGATION

The following replaces Paragraph **A.5.**, **Transfer Of Rights Of Recovery Against Others To Us**, of **SECTION IV – BUSINESS AUTO CONDITIONS** :

5. Transfer Of Rights Of Recovery Against Others To Us

We waive any right of recovery we may have against any person or organization to the extent required of you by a written contract signed and executed prior to any "accident" or "loss", provided that the "accident" or "loss" arises out of operations contemplated by

© 2015 The Travelers Indemnity Company. All rights reserved.
Includes copyrighted material of Insurance Services Office, Inc. with its permission.

such contract. The waiver applies only to the person or organization designated in such contract.

N. UNINTENTIONAL ERRORS OR OMISSIONS

The following is added to Paragraph **B.2.**, **Concealment, Misrepresentation, Or Fraud**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

The unintentional omission of, or unintentional error in, any information given by you shall not prejudice your rights under this insurance. However this provision does not affect our right to collect additional premium or exercise our right of cancellation or non-renewal.

© 2015 The Travelers Indemnity Compa ny. All rights reserved .
Includes copyrighted material of Insurance Services Office, Inc. with its permission.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET ADDITIONAL INSURED – PRIMARY AND NON-CONTRIBUTORY WITH OTHER INSURANCE – CONTRACTORS

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

PROVISIONS

1. The following is added to Paragraph **c.** in **A.1.**, **Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

   This includes any person or organization who you are required under a written contract or agreement, that is signed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, to name as an additional insured for Covered Autos Liability Coverage, but only for damages to which this insurance applies and only to the extent of that person's or organization's liability for the conduct of another "insured".

2. The following is added to Paragraph **B.5.**, **Other Insurance** of **SECTION IV – BUSINESS AUTO CONDITIONS**:

   Regardless of the provisions of paragraph **a.** and paragraph **d.** of this part **5. Other Insurance**, this insurance is primary to and non-contributory with applicable other insurance under which an additional insured person or organization is a named insured when a written contract or agreement with you, that is signed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, requires this insurance to be primary and non-contributory.

© 2016 The Travelers Indemnity Company. All rights reserved.
Includes copyrighted material of Insurance Services Office, Inc. with its permission.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY AND NONCONTRIBUTORY - OTHER INSURANCE CONDITION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

The following is added to the **Other Insurance** Condition and supersedes any provision to the contrary:

Primary And Noncontributory Insurance

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured under your policy provided that:

(1) The additional insured is a Named Insured under such other insurance; and

(2) You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured.

© Insurance Services Office, Inc., 2012

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name of Person or Organization:
City of Saginaw 1315 S Washington Avenue Saginaw, MI 48601

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

A. **Section II – Who Is An Insured** is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of your ongoing operations performed for that insured.

B. With respect to the insurance afforded to these additional insureds, the following exclusion is added:

2. Exclusions

This insurance does not apply to "bodily injury" or "property damage" occurring after:

(1) All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the site of the covered operations has been completed; or

(2) That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

© ISO Properties, Inc., 2000

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name of Person or Organization: City of Saginaw 1315 S Washington Avenue Saginaw, MI 48601
Location And Description of Completed Operations: Any
Additional Premium:

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

Section II – Who Is An Insured is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of "your work" at the location designated and described in the schedule of this endorsement performed for that insured and included in the "products-completed operations hazard".

 © ISO Properties, Inc., 2000

(Ed. 4-84)

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

When Required by Written Contract

BLANKET WHEN REQUIRED BY A WRITTEN CONTRAC

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective Policy No. LOISK-C Endorsement No.
Insured Lois Kay Contracting Premium

Insurance Company Countersigned by_____
Safety National Casualty

WC 00 03 13
(Ed. 4-84)

© 1983 National Council on Compensation Insurance.

CITY OF SAGINAW
1315 S WASHINGTON AVE
SAGINAW MICHIGAN 48601

C-1723
2026 LOCAL ROAD MILLAGE RESURFACING AND WATER MAIN REPLACEMENT

BID OPENING
TUESDAY, MAY 12, 2026
3:00 PM

TABLE OF CONTENTS
C-1723
2026 LOCAL ROAD MILLAGE RESURFACING AND WATER MAIN REPLACEMENT

SEALED BID INSTRUCTIONS 1

GENERAL INFORMATION 2

GENERAL INSTRUCTIONS TO BIDDERS 4

DIVISION 1: GENERAL CONDITIONS – CITY OF SAGINAW 11

NOTICE TO BIDDERS – CONSULTANTS/ INSURANCE/BONDS 32

NOTICE TO BIDDERS – IRAN SANCTIONS 36

NOTICE TO BIDDERS – PREFERENCE TO LOCAL BIDDERS 37

NOTICE INVITING SEALED BIDS 38

BID FORM 39

COPY OF CONTRACT 46

SCOPE OF WORK 49

PROGRESS CLAUSE 51

TECHNICAL SPECIFICATIONS 52

PRE-QUALIFICATION 53

SUBCONTRACTOR LIST 55

UTILITY COORDINATION 56

LIQUIDATED DAMAGES 57

AGGREGATE BASE 58

CONCRETE PAY ITEMS 59

CONCRETE CURB AND CONCRETE CURB & GUTTER 60

PAVEMENT AND CURBS 62

CONCRETE SIDEWALK 64

STRUCTURE ADJUSTMENTS....66
SHUTOFF AND MONUMENT BOX ADJUSTMENTS....68
MAINTAINING OF TRAFFIC....69
HOT MIX ASPHALT (HMA) APPLICATION ESTIMATE....71
PAVEMENT REMOVALS....72
TURF ESTABLISHMENT....74
ALTERATIONS TO THE MUNICIPAL WATER SYSTEM....80
SUBGRADE UNDERCUTTING....100
VERTICAL EXPLORATORY INVESTIGATION....101
SIDEWALK GRADING, MODIFIED....103
COLD-MILLING CONCRETE PAVEMENT....104
DRAWINGS....105-129
MAP 1 (01A)....130
MAP 2 (01B)....131

City of Saginaw, Michigan
Purchasing Division
(989) 759-1430

SEALED BID INSTRUCTIONS

SEALED BIDS MUST BE SUBMITTED ACCORDING TO THE FOLLOWING INSTRUCTIONS OR YOUR BID WILL BE DISQUALIFIED

1. Bids must be submitted on printed forms furnished by the City Purchasing Office. Voluntary alternates may be attached to bid form, if necessary.
2. Bids must be in ink or typewritten.
3. Bids must contain bidder's complete name, address, and telephone number.
4. Bids must be signed in ink and dated.
5. Bids must include delivery or completion time.
6. If an addendum is issued by the City, it must be signed, dated, and returned with bid.
7. An **original** bid bond, bank money order, certified check, or cashier's check in the amount of five percent (5%) of the total amount bid must be submitted with any bid in excess of $100,000. The AIA Document A310 – 2010 bid bond is the preferred format. If the agreement is for multiple years, each year should be combined to get your total cost. **Facsimiles or copies of bid bond will not be accepted, and bid will be disqualified if submitted.**
8. All erasures or corrections to pricing information must be initialed in ink.
9. If this is a Davis-Bacon Prevailing Wage Project, it will include a wage decision and Division 2. The City of Saginaw does not have a Prevailing Wage ordinance.
10. In case of a discrepancy between a unit price and its extension, the unit price will be considered correct, and the bid will be recalculated to determine the amount bid. All addition errors will be corrected, and the total bid will be adjusted to reflect the corrections.
11. All bids must be in the City Purchasing Office, 1315 S. Washington Ave. Saginaw, MI 48601 by the date and time specified on bid forms. The Purchasing Office is located at Saginaw City Hall in room #105.
12. Each bidder's envelope, FED EX box/letter, UPS box/letter, or any other method of sealed delivery must have the bid number or contract number on the outside of the container. **UNMARKED BIDS WILL BE DISQUALIFIED.**
13. EACH BID MUST BE ENCLOSED IN A SEPARATE SEALED ENVELOPE WITH **SEALED BID AND THE BID NUMBER** MARKED ON THE FRONT. A COPY OF THE ORIGINAL BID MUST ALSO BE INCLUDED IN THE BID.

RIGHT OF CITY TO ACCEPT OR REJECT BIDS

THE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY AND ALL BIDS, OR PARTS THEREOF, AND TO WAIVE ANY IRREGULARITIES WHICH DO NOT MATERIALLY AFFECT THE BID DOCUMENT OR OTHERWISE CONFLICT WITH STATUTE OR ORDINANCE. ANY REJECTION OF BIDS SHALL BE MADE ONLY IF THERE IS A SOUND DOCUMENTED REASON FOR SAME.

REV 9-2021

GENERAL INFORMATION

MAIL OR DELIVER ALL SEALED BIDS TO THE FOLLOWING ADDRESS BY THE DATE AND TIME SPECIFIED ON BID FORM

CITY OF SAGINAW PURCHASING OFFICE – ROOM #105
1315 S. WASHINGTON AVENUE, SAGINAW, MICHIGAN 48601

SEALED BID DOCUMENTS

EFFECTIVE IMMEDIATELY: All interested bidders may obtain bid document forms, proposal instructions, general specifications, and bid results from the City of Saginaw website **(www.saginaw-mi.com).**

NO CONTRACT SHALL BE VALID UNLESS APPROVED BY CITY COUNCIL

Pursuant to the Charter of the City of Saginaw, written contracts involving the Expenditure of $2,000 or more shall require the approval of City Council. No City Employee has the authority to bind the City to such a contract.

ALTERATION OF BID BY BIDDER

After bids have been opened, the bidder will not be allowed to withdraw, modify or correct any bid. Substitutions and alternates: If a document is issued with the language "No Substitutions, then none will be considered. If a document does not include this language the respective bidder can include a substitution and/or alternate of which the Cit reserves the right to determine equivalent.

EVIDENCE OF BIDDER'S QUALIFICATIONS

Bidders may be required to give some satisfactory evidence that they have been regularly engaged in the business or are reasonably familiar therewith, and that they are fully prepared with the necessary capital, materials, and machinery to complete the work or to furnish the material contracted for the satisfaction of the city.

FAMILIARITY OF BIDDER WITH CONTRACT REQUIREMENTS

Bidders are warned that they must inform themselves of the character and amount of work, labor, or material to be furnished under the contract.

CONTRACT ASSIGNMENTS OR TRANSFERS PROHIBITED

The assignment or transfer of a contract or of interest in the contract are prohibited unless approved by the proper City department and City Council.

CITY INCOME TAX COMPLIANCE

Bidders are hereby notified that the City of Saginaw has an income tax. All successful bidders will be subject to income tax withholding and compliance is mandatory. Per section 14 of the City of Saginaw uniform income tax ordinance, the tax percentage is 1.5% on income earned from the City. The tax shall apply on the taxable net profits of a corporation doing business within the City, being levied on such part of the taxable net profits as is earned by the corporation as a result of work done, services rendered and other business activities conducted with the City as determined in accordance with this ordinance.

WITHHOLDING FROM PAYMENTS

As part of the consideration for any bid/contract, all bidders agree to have withheld from any payment due them, any amounts for taxes, fees, or other charges due the City of Saginaw.

CONTRACT COMPLIANCE ORDINANCE

The City of Saginaw has a Contract Compliance Ordinance, which requires bidders to submit documentation furnished by the City indicating compliance with the Ordinance. Contract compliance forms must be sent to the City Purchasing Office; 1315 S. Washington Avenue; Saginaw, Michigan 48601. Forms may be obtained by calling (989) 759-1430.

BID FORMS

A copy of the original bid form is to be enclosed in the bid envelope (original plus a complete copy). "All or None" means bidders are required to submit pricing for all years and/or all items requested. Any proposal received that does not meet this requirement will be disqualified. If said bid is not listed as "All or None" the City reserves the right to split said bid to our best benefit. If you receive a bid copy from our website and have never conducted business with us you can also complete a copy of the "Vender Compliance From" are return it to us or contact our Purchasing Office so you can be formally added to the respective bidder list for that good or service. (989) 759-1430.

BID RESULTS

A bid tabulation sheet showing the initial results will be posted on our website within 48 hours of the bid opening date. Once the respective department reviews the bids, they will make a recommendation on who our City Council should award the bid to. At that time, the recommendation will also be posted on the tabulation sheet as a secondary notice.

INSTRUCTIONS AS PART OF CONTRACT

These instructions are to be construed with and made part of the contract or purchase order.

GENERAL INSTRUCTION TO BIDDERS

1. INTENT

It is the intent of the City, unless otherwise specified, that work on any contract awarded under the advertisement, to be started no later than Thirty (30) calendar days after award of the contract or the date specified in the contract documents, and that the work shall be carried on with due diligence, at such points and at such times and seasons, and with such force and in such manner as to secure its completion on or before the completion date as specified in the advertisement or as determined by the proposal or construction schedule, submitted by the Contractor.

2. INTERPRETATIONS OR ADDENDA

No oral interpretation will be made to any bidder *as* to the meaning of the contract documents or any part thereof. Every request for such an interpretation shall be made in writing to the City Engineer. Any inquiry received seven (7) or more days prior to the date fixed for the opening of bids will be given consideration. Every interpretation made to a bidder will be in the form of an addendum to the contract documents and when issued will be on file in the office of the City Purchasing Officer and the office of the City Engineer. In addition, it shall be *the* bidder's responsibility to make inquiry as to the addenda issued. All such addenda shall become part of the contract documents and all bidders shall be bound by such addenda, whether or not received by the bidder.

3. INSPECTION OF SITE

Each bidder should visit the site of the proposed work and fully acquaint themselves with the existing conditions there relating to the work and should inform themselves as to the facilities involved, the difficulties and the restrictions attending the performance of the contract. The bidder shall thoroughly examine and familiarize themselves with the drawings, specifications, and all other contract documents. The Contractor by the execution of the contract shall in no way be relieved of any obligation under it due to their failure to receive or examine any form or legal instrument or to visit the site and acquaint themselves with the conditions there existing. The City of Saginaw will be justified in rejecting any claim based on facts regarding which he should have been on notice *as* a result thereof.

4. BIDS ON MORE THAN ONE CONTRACT

Any bidder may **submit** a proposal on any single contract, or on any number of contracts, or on all the contracts included in the advertisement. Bidders are cautioned to give full consideration to other commitments which might effect the starting date, schedule of progress, or completion date for any contracts awarded hereunder.

5. DEFINITIONS

The term "City Engineer" shall mean the Director of Public Service, or the City Engineer of the City of Saginaw.

a

The term "Department of Engineering" shall mean the Department of Public Services and Engineering of the City of Saginaw.

6. CORRECTIONS

All erasures or corrections to pricing information must be initialed in ink.

7. COLLUSIVE AGREEMENT (SEE PROPOSAL)

Each bidder submitting a bid to the City of Saginaw for any portion of the work contemplated by the documents on which bidding is based shall by signing the proposal form sheet agree that the bid is genuine and not sham or collusive or made in the interests or on behalf of any person not therein named. That the bidder has not directly or indirectly induced or solicited any bidder to put in a sham bid or any other person or corporation to refrain from bidding, and that the bidder has not in any manner sought by collusion to secure himself an advantage over other bidders.

8. STATEMENT OF BIDDER'S QUALIFICATIONS

Each bidder shall, upon request of the City of Saginaw, submit a statement of the bidder's qualifications, their construction experience, and their organization and equipment available for the work contemplated, and when specifically requested by the City of Saginaw, a detailed financial statement. The City of Saginaw shall have the right to take such steps as it deems necessary to determine the ability of the bidder to perform their obligations under the contract, and the bidder shall furnish the City of Saginaw all such information and data for this purpose as it may request. The right is reserved to reject any bid where an investigation of the available evidence or information does not satisfy the City of Saginaw that the bidder is qualified to carry out properly the terms of the contract.

9. ALTERNATIVE BIDS

No alternative bids will be considered unless specifically requested.

10. BIDS

a. Bidders are warned that they must inform themselves of the character and amount of work, labor, or material to be furnished under the contract. All bids must be submitted on forms supplied by the City of Saginaw and shall be subject to all requirements of the contract documents, including the drawings and these INSTRUCTIONS TO BIDDERS. All bids must be regular in every respect and no interlineations, excisions or special conditions shall be made or included in the Bid Form by the bidder. After bids have been opened, permission will not, in any case, be given for the withdrawal, modification or correction of any bid.

b. Bid documents, which are mailed shall include the bid, the bid guaranty (when required), the non-collusion affidavit, and the statement of bidder's qualification (if requested) and shall be enclosed in envelopes (outer and inner) both of which shall be sealed and clearly labeled "Sealed

Bid", (outer envelope properly addressed to "City of Saginaw Purchasing Office, 1315 S. Washington Avenue, Saginaw, Michigan 48601") project name and number, name of bidder, and date and time of bid opening, in order to guard against premature opening of the bid. All proposals must be either filled out in ink or typewritten; typewritten is preferred. Bids to include a copy along with the original.

c. The City of Saginaw may consider as irregular any bid on which there is an alteration of the bid form hereto attached and at its option may reject the same.

d. If the contract is awarded, it will be awarded by the City of Saginaw to a responsible bidder on the basis of the bid most favorable to the City of Saginaw. The contract will require the completion of work according to the contract documents. Transfer of contract or of interests in contract are prohibited unless approved by the proper City agency.

e. Each bidder shall include in his bid the following information:

I. Bidder Name
II. Address
III. City, State, Zip Code
IV. Telephone Number
V. E-mail
VI. Status

11. BID GUARANTY (When Applicable) (Effective February 16, 1984)

a. Bids of $100,000 or more must be accompanied by a bid guaranty which shall not be less than five percent (5%) of the total contract cost of construction including all overhead items. The bid bond shall be secured by a guaranty, or a surety company listed in the latest issue of U.S. Treasury Circular 570 and authorized to transact surety business in the State of Michigan. The amount of such bid bond shall be within the maximum amount specified for such company in said Circular 570. At the option of the bidder, the guaranty may be a certified check, cashier's check, bank money order or a bid bond in the amount specified. The AIA document A310 – 2010 bid bond is the preferred format. No bid will be considered unless it is accompanied by the required guaranty. The certified check, cashier's check, bank money order or a bid bond must be payable to the order of the City of Saginaw. The bid guaranty shall insure the execution of the agreement and the furnishing of the surety bond or bonds by the successful bidder, as required by the contract documents.

b. Revised bids submitted before the opening of bids, representing an increase in excess of two percent (2%) of the original bid, must have the bid guaranty adjusted accordingly, otherwise the bid will not be considered.

c. Certified checks or cashier's check, bid bonds, and bank money orders of unsuccessful bidders, will be returned as soon as practicable after award of a contract.

c

12. UNIT PRICE BIDS

The unit price for each of the several items in the proposal of each bidder shall include its pro-rata share of overhead so that the sum of the products obtained by multiplying the quantity shown for each item by the unit price bid represents the total bid. In case of a discrepancy between a unit price and its extension, the unit price will be considered correct, and the bid will be recalculated to determine the amount bid. All addition errors will be corrected, and the total bid will be adjusted to reflect the corrections. Special attention of all bidders is called to this provision, should conditions make it necessary to revise the quantities. No limit will be fixed for such increased or decreased quantities nor extra compensation allowed, provided the net monetary value of all such additive and subtractive changes in quantities or such items or work shall not increase or decrease the original contract prices by more than twenty percent (20%) unless mutually agreed upon in writing by the City Engineer and Contractor, that extra work, that is work not covered in the drawings and specifications, shall not increase the original contract by more than twenty percent (20%).

13. PUBLIC ACT 524 OF 1980 (When Applicable)

Sec.2 (1) 1980 P.A. 524 states as follows:

The construction contract shall designate a person representing the Contractor who will submit written requests for progress payments, and a person representing the public agency to whom request for progress payments are to be submitted. The written requests for progress payments shall be submitted to the designated person in a manner and at such times as provided in the construction contract.

Therefore, the Contractor shall state on “Bid Proposal” the name of the person who will be submitting request for progress payment and the request shall be made to the City Engineer.

14. TIME FOR RECEIVING BIDS

Bids received prior to the time of opening will be securely kept unopened. The Purchasing officer will decide when the specified time has arrived. No bid received thereafter will be considered, except that when a bid arrives by mail after the time fixed for opening, but before the reading of other bids is completed, and it is shown to the satisfaction of the City of Saginaw that the non-arrival on time was due solely to delay in the mails for which the bidder was not responsible, then such bid will be received and considered.

15. OPENING OF BIDS

At the time and place fixed for the opening of bids, the City of Saginaw open and publicly read aloud every bid received within the time set for receiving bids, irrespective of any irregularities therein. Bidders and other persons properly interested may be present, in person or by representative.

d

16. WITHDRAWAL OF BIDS

Bids may be withdrawn on written or telegraphic request dispatched by the bidder in time for delivery in the normal course of business prior to the time fixed for opening, provided that written confirmation or any telegraphic withdrawal over the signature of the bidder is placed in the mail and postmarked prior to the time set for bid opening. The bid guaranty of any bidder withdrawing his bid in accordance with the foregoing conditions will be returned promptly.

17. AWARD OF CONTRACTS: REJECTION OF BIDS

a. The contract will be awarded to the lowest responsible bidder complying with the conditions of the SEALED BID INFORMATION, provided such bid is reasonable and it is to the interest of the City of Saginaw to accept it. The City of Saginaw, however, reserves the right to accept or reject any and all bids or parts thereof, and to waive any irregularities in a bid except those specific any mentioned in the "Sealed Bid Instructions".

b. The City of Saginaw reserves the right to consider as unqualified to perform the contract, any bidder who does not habitually perform with his own forces, the major portions of the work involved.

c. On contracts of $50,000 or more, the bidder to whom the Purchasing Committee recommends for award will be required to provide bonds prior to award as outlined in Division 1, Section 121.

18. CONSTRUCTION SCHEDULE

In addition to the progress clause incorporated in the proposal, the successful bidder on any single contract, when so requested by the City Engineer, shall submit a schedule of the maximum number of calendar days required for the completion of the contract. The number of calendar days so stated, when approved by the City Engineer, shall be added to the starting date specified in Paragraph 1, and the date thus determined shall become the completion date of such contract unless otherwise specified in the contract.

The successful bidder on any two or more contracts, or the successful bidder on any single contract who also has uncompleted work on other City of Saginaw construction contracts previously awarded, shall prepare a Construction Schedule for submission to and approval by the City Engineer. When so requested by the City Engineer, the Construction Schedule shall be submitted immediately after the tabulation of bids in order that the information therein contained may be considered in the recommendation as to award of contracts. In any case, the Construction Schedule shall be submitted prior to the preparation of contract documents and not later than five (5) days after the tabulation of bids.

The Construction Schedule shall indicate the proposed sequence of operations, including any previously awarded City of Saginaw construction contracts not completed. The schedule shall show the total calendar days required for each contract and the date for starting and completion in each instance.

e

The schedule shall show whether or not the Contractor proposes to use more than one construction crew and, if requested, shall itemize the types and quantities of machinery and equipment available for the work.

19. SUBCONTRACTS

The Contractor's attention is directed to the requirements as outlined in Section 103, "SUBCONTRACTS", under Division 1, "General Conditions".

20. PRE-CONSTRUCTION MEETING

If so requested by the City Engineer, the Contractor shall make themselves available for a pre-construction meeting. The time and place of the meeting to be designated by the City Engineer.

21. PURCHASING ORDINANCE

The Purchasing Ordinance of the City of Saginaw, §14.30-14.45, applies to all contracts, sub-contractors, or purchase orders except where portions of the Ordinance may be preempted by law:

22. CONTRACT COMPLIANCE DOCUMENTATION

The following documents are to be filled out “Contract Compliance Agreement” and the “City of Saginaw Vendor Information” which are provided by the Purchasing Department.

23. MICHIGAN’S ELLIOTT-LARSEN CIVIL RIGHTS ACT, PUBLIC ACT 453 of 1976, as amended

All contracts in which the City of Saginaw is a party shall contain a covenant by the Contractor and any subcontractors not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment because of race, color, religion, national origin, age, sex, height, weight, sexual orientation, gender identity, marital status, or membership in another class of persons protected by law. Breach of this covenant may be regarded as a material breach of the contract.

24. MICHIGAN’S PERSONS WITH DISABILITIES CIVIL RIGHTS ACT, PUBLIC ACT 220 of 1976, as amended

All contractors and subcontractors shall be subject to and comply with the Michigan Persons with Disabilities Civil Rights Act which prohibits discriminatory practices, policies, and customs in the exercise of the civil rights of individuals with disabilities. A violation of the act may be regarded as a material breach of the contract.

f

25. AMERICANS WITH DISABILITIES ACT (ADA) of 1990, as amended

All contractors and subcontractors shall be subject to and comply with all the provisions of the Americans with Disabilities Act (ADA) of 1990. A violation of the Act may be regarded as a material breach of this contract.

26. CIVIL RIGHTS ACT OF 1964, as amended

All contractors and subcontractors shall be subject to and comply with all the provisions of the Civil Rights Act of 1964 which prohibits discrimination based on race, color, religion, sex, and national origin. A violation of the act may be regarded as a material breach of the contract.

27. GENETIC INFORMATION NONDISCRIMINATION ACT OF 2008 (GINA), as amended

All contractors and subcontractors shall be subject to and comply with all of provisions of the Genetic Information Nondiscrimination Act of 2008 which prohibits the use of genetic information in making employment decisions. A violation of the act may be regarded as a material breach of the contract.

Table of Contents

Division 1 – General Conditions		Page
101.	Definitions	2
102.	Application of Conditions	2
103.	Subcontracts	3
104.	Assignment of Contract	3
105.	Responsibilities of Contractor	3
106.	City Engineer's Power	4
107.	Contracts for Other Work	4
108.	Progress	5
109.	Contractor's Employees	5
110.	Drawings	5
111.	Changes in the Work	6
112.	Right of City to Take Over Contract	7
113.	Extension of Time	8
114.	Liquidated Damages	9
115.	Disputes	9
116.	Service of Notice	10
117.	Qualifications of Contractor	10
118.	Indemnity	10
119.	Insurance	10
120.	Patents, Royalties, Trademarks, Etc.	10
121.	Performance Bonds and Payment Bond	10
122.	Facilities and Notices for Inspection	11
123.	Materials and Workmanship	12
124.	Samples, Certificates and Tests	12
125.	Permits and Codes	13
126.	Care of Work	14
127.	Review by the City of Saginaw	14
128.	Sanitary Facilities	15
129.	Water	15
130.	Stoppage of Work and Crossings	15
131.	Privileges of Contractors in the Street	15
132.	Excavations under Railroads	16
133.	Barricades and Traffic Controls	16
134.	Grade Stakes	17
135.	Street Monuments	17
136.	Sunday and Night Work	17
137.	Test Borings, Test Holes or Test Pits	17
138.	Cleaning Up	17
139.	Correcting Work	17
140.	Accident Prevention	18
141.	Request for Supplementary Information	18
142.	Warranty of Title	18

Division I
General Conditions

143. Fair Employment Practices 19
144. Acceptance 20
145. Guarantee 20
146. Michigan Sales & Use Tax 20
147. Final Inspection 20

101. Definitions

Wherever used in any of the Contract Documents, the following meanings shall be given to the terms herein defined:

a. The term "Contract" is defined as the Contract executed by the City of Saginaw and the Contractor, of which these General Conditions, Specifications and Divisions are incorporated into by reference.

b. The term "Contractor" is defined as the person(s), firm, partnership, company, sole proprietorship, or corporation entering into the Contract with the City of Saginaw to construct and install the improvements, or otherwise undertake the activities, embraced in this Contract.

c. The term "City Engineer" is defined as the City Engineer of the City of Saginaw acting personally or, in the absence of the City Engineer, through their designee.

d. The term "Engineer" is defined as the City engineer acting directly or indirectly through their authorized representatives acting within the limits of the respective authority delegated to them. Any determination, directions, or approval of such authorized representatives shall be subject to review by the City Engineer.

e. The term "Contract Documents" is defined as and shall include the following: Executed Agreement, Addenda (if any), Invitation for Bids, Instructions to Bidders, Signed Copy of Bid, Specifications, Divisions, Special Conditions, Technical Specifications and Drawings

f. The term "Technical Specifications" is defined as that part of the Contract Documents which describes, outlines, and stipulates the quality of the materials to be furnished; the quality of the workmanship required; and the methods to be used in carrying out the construction work to be performed under this Contract.

g. The term "Addendum" or "Addenda" is defined as any changes, revisions or clarifications of the Contract Documents which have been duly issued by the City of Saginaw to prospective Bidders prior to the time of receiving Bids.

102. Application of Conditions

These conditions and the clauses on the following pages, printed as well as written, shall apply to all branches of the work with equal force, whether the work is done under one entire Contract or under several separate Contracts.

Division I
General Conditions

103. Subcontracts

The Contractor shall, as soon as practicable after signing the Contracts, but in any event prior to the performance of any work by any subcontractor, notify the City in writing of the names of subcontractors proposed for the work, designating the portions of work to be performed by each. The Contractor is as fully responsible to the City for the acts and omissions of the Subcontractors and of persons either directly or indirectly employed by them as for the acts and omissions of persons directly employed by the Contractor.

Nothing contained in the Contract Documents shall create any contractual relationship between any subcontractor and the City.

104. Assignment of Contract

a. It is agreed that the Contractor shall not assign or transfer this Contract, or any part of the work embraced in it, except with the written consent of the City to do so.

b. It is further agreed that all parts of the work which may be performed by a subcontractor shall conform to the Plans and Specifications and be subject to all the provisions of this Agreement exactly as if performed by the Contractor and the Contractor's immediate employees. No subcontracting of the work shall in any way diminish or weaken the responsibility of the Contractor for all parts of the work or lessen the obligations and liabilities of the Contractor under this Agreement.

c. It is likewise agreed that the Contractor shall not assign, either legally or equitably, any of the monies payable to the Contractor under this Agreement, or the Contractor's claim thereto, except with the written consent of the City.

105. Responsibilities of Contractor

a. The Contractor shall be held to have examined the premises and line of work and shall take the whole responsibility of the work. Should any unforeseen difficulty or obstruction be encountered in the prosecution of the same, involving a greater expenditure of money than expected at the time of bidding, the Contractor shall proceed, nevertheless, with the work, and no allowance will be made therefore.

b. It shall not be incumbent upon the City to notify the Contractor when to begin, to cease or to resume work, nor in any way to manage the work so as to release the Contractor of responsibility, or of any consequence of neglect or carelessness by the Contractor or anu subordinates.

c. The Contractor shall devote time and management/superintendence to the fulfillment of this Contract and shall keep the same under the Contractor's control.

d. The Contractor shall assume and have sole charge and possession of all work included in this contract, until the termination thereof, unless otherwise specified in this contract, and shall be solely liable for all damages to persons or property occasioned in any way by the

Division I
General Conditions

Contractor's acts or omissions, or that of the Contractor's agents, employees, subcontractors, or any persons in and about the work embraced in this Contract.

e. Prior to the start of construction in the public right-of-way, it shall be the responsibility of the Contractor to notify the TRAFFIC ENGINEERING DIVISION of said work. In the case where complete street closure is necessary, it shall be the responsibility of the Contractor to notify the TRAFFIC ENGINEERING DIVISION, FIRE DEPARTMENT AND POLICE DEPARTMENT at least forty-eight (48) hours prior to the start of said work.

106. City Engineer's Power

All work and material furnished under this contract shall be furnished under the direction of and to the satisfaction and approval of the City Engineer. Should any dispute arise as to quality or fitness of the materials or workmanship, the decision shall rest strictly with the City Engineer and shall be based upon the requirements that all work done and materials furnished shall be performed in a good and workmanlike manner, conform to all Technical Specifications and Drawings and other requirements of the Contract in every respect, and what is useable and customary shall in no way enter into any consideration or decision whatsoever. The City Engineer shall have power to condemn all work and reject all material which, in his or her opinion, is not done or furnished in accordance with this Contract. However, this power and authority shall be confined to the direction or specification of what is to be done under this Contract and shall not extend to the actual execution of the work which shall be under the control of the Contractor, and for which the Contractor alone shall be responsible.

107. Contracts for Other Work

a. In case any additional work shall be required in connection with the work contemplated under this Contract, the City shall have the right to have such additional work done by any person other than the Contractor, and the Contractor shall in no way interfere with the work of such person(s), and shall suspend such part of the work herein specified, or will carry on the same in such manner as ordered by the City Engineer, so as to afford all reasonable facilities for doing such additional work, and the Contractor shall make no claims for damages or for privileges or rights by reason of the suspension and the doing of such additional work, except for such extension of time to perform this Contract as may be certified by the City Engineer.

b. The City reserves the right to lay or relay, construct or repair any water mains, gas mains, sewers, conduits and all other pipes and any connections thereto, or to grant permits to those having franchise rights from the City to install or reinstall, construct or repair such water mains, gas mains, sewers or conduits and other pipes and connections thereto at any time, and to do such other underground work in the street or streets, easements or vacated Right of Way, along the line of work as shall be necessary, or grant permits for same, at any time prior to the completion of the foundation for the paving material within the limits of this improvement, and to that end shall have the right to suspend the work on the said improvement, or any part thereof, and the Contractor shall not interfere with

Division I
General Conditions

or place any obstruction in the way of any person or persons who may be engaged in doing any of the work herein specified, and shall not be entitled to damages because of such work or any delay caused thereby.

108. Progress

In addition to the progress clause incorporated in the Contractor's proposal/response, the Contractor shall be required to submit, on demand of the City Engineer, an outline of the proposed order of work and to indicate the dates of completion of the major items of the work. This outline, when approved by the City Engineer, may be incorporated in, and become a part of the Contract.

109. Contractor's Employees

a. The Contractor shall employ suitable superintendents and forepersons, who, in the absence of the Contractor, shall be present while any work is being done under this Contract, and who shall follow, without delay, all orders and instructions of the City Engineer. Any notice given to a superintendent or foreperson relative to deviation from any of the requirements of this Contract shall be equivalent to a notice to the Contractor.

b. The superintendents, forepersons, employees, mechanics, and others employed by the Contractor shall be skilled in the assignment of work given them to do. Any employee of the Contractor who uses profane or abusive language to the Engineer or any Inspector, or otherwise impedes or embarrasses him in the performance of his duties, or who obstructs the progress of the work shall upon the request of the City Engineer be immediately removed from the project/worksite and not again employed at same without the consent of the City Engineer.

c. In doing any work contemplated by this Contract, eight (8) hours shall constitute a legal day's work by any laborer or worker employed by the Contractor.

d. Residents of the City of Saginaw shall be employed upon the work of this Contract as far as possible to do so.

110. Drawings

a. These Specifications and accompanying Drawings are intended to be cooperative, and what is called for by either shall be as binding as if called for by both. Should it appear that the work hereby intended to be done, or any of the materials or matters relative thereto, are not sufficiently detailed or explained on said Drawings or in said Specifications, or should any error, discrepancy or inconsistency appear between any of the Drawings and Specifications, or between any of the several Drawings, or should any doubt or misunderstanding arise as to the meaning of said Drawings or Specifications, the City Engineer shall furnish such additional drawings, detail or explanation, and he shall have power to interpret, correct, adjust and explain all errors, omissions, discrepancies, doubts and misunderstandings between such Drawings and Specifications, or between several Drawings, and the decision of the City Engineer therein shall be final and conclusive.

Division I
General Conditions

Explanations received from officers and employees other than the City Engineer will be considered of no avail in a case of dispute.

b. Preference shall be given to the figured dimensions on the Drawings rather than to scale measurements. Figures, unless witnessed by lines and points, are approximate only, and shall not be taken to regulate the dimensions of the structure of improvement. The figures, when so witnessed, are intended to show the exact dimension for the construction of the structure or improvement, but the Contractor, without extra charge, shall make such slight alterations as may be necessary to make adaptable parts fit to fixed parts, leaving all complete and in proper shape when done. It shall be the duty of the Contractor to verify all dimensions given on the Drawings, and to report any error or inconsistency to the City Engineer before commencing work.

111. Changes in the Work

a. No deviation from the Drawings and Specifications shall be made in the execution of the work without the written order and approval of the City Engineer, nor shall any work in the nature of additional work, or any work not contemplated by the Specifications or Drawings, be performed, except on written order of the City Engineer, and if any extra work be proceeded with or executed by the Contractor without previous order given in writing under the hand of the City Engineer as herein provided, no compensation for the same will be allowed. Extra work shall be defined as work not contemplated in the Contract, not covered in the Drawings and Specifications, and for which no unit prices have been stipulated.

b. Should it be deemed expedient by the City Engineer, at any time previous to commencing work, or while the work is in progress, to increase or diminish the dimensions, quantities of material or work, or alter the situation or levels, or vary from the form or dimensions of any part of said work, or vary in any other way the work herein contracted for, the City Engineer shall have full power to do so and to order and direct any such increase, diminution, alteration, or extra work to be made or performed, and without in any way deviating or affecting this Contract; and the Contractor hereby waives any claim to right to damages that the Contractor may be entitled to by reason of such changes. The Contractor shall, in pursuance of such order and directions received in writing from the City Engineer, execute the work thereby ordered and directed, and the difference in expense occasioned by such increase, diminution or alteration, shall be added to or deducted from the amount payable under this Contract.

c. The Contractor shall perform any extra work (work in connection with the Contract but not provided for herein as defined in subparagraph a. of his section) when and as ordered in writing by the City Engineer, either (a) at the price agreed upon before such work is commenced and named in the written order for such work, or (b) if the City Engineer so elects, for the reasonable cost of such work, as determined by the Contractor and approved by the City Engineer, plus a percentage of such cost, as set forth below. No extra work shall be paid for unless specifically ordered as such in writing by the City Engineer.

Division I
General Conditions

The cost of extra work done under subparagraph b. of this section shall include the reasonable cost to the Contractor of materials used and equipment installed, common and skilled labor, and forepersons, and the fair rental for all machinery and equipment used on the extra work for the period of such use.

At the request of the Engineer, the Contractor shall furnish itemized statements of the cost of the extra work ordered as above and give the Engineer access to all records, accounts, bills and vouchers and correspondence relating thereto.

The fair rental of all machinery and equipment shall be based upon the most recent edition of the Michigan Department of Transportation Equipment Rental Rates (Schedule C), or a similar publication approved by the City Engineer. Rental for machinery and equipment shall be based upon an appropriate fraction of the approved monthly rate schedule. If said extra work requires the use of machinery or equipment not already on the site of the work, the cost of transportation, not exceeding a distance of 100 miles, of such machinery or equipment to and from the Job Site or Work Location shall be added to the fair monthly rental; provided, however, that this shall not apply to machinery or equipment already required to be furnished under the terms of the Contract.

The Contractor shall not include in the cost of extra work any cost or rental of small tools, buildings, or any portion of the time of the Contractor, the superintendent, or the office and engineering staff.

To the cost of extra work done by the Contractor's own forces under (b) above (determined as stated above), the contractor shall add 15 percent to cover the overhead, use of capital, the premium on the bonds as assessed upon the amount of this extra work, and profit.

If extra work is done under subparagraph b. of this section, the Contractor and/or subcontractor shall keep daily records of such extra work. The daily record shall include the names of people employed; the nature of the work performed, and hours worked, materials and equipment incorporated, and machinery or equipment used, if any, in the execution of such extra work. This daily record, to constitute verification that the work was done, must be signed both by the Contractor's authorized representative and by the Engineer. A separate set of daily records shall be submitted for each extra work order.

d. The City Engineer may order the Contractor to proceed with desired changes in work provided that the net value of all such changes does not increase or decrease the original total amount shown in the Contract by more than twenty percent (20%) unless mutually agreed upon in writing by the City Engineer and the Contractor and further, that "extra work" shall not increase the original Contract by more than twenty percent (20%) in accordance with the section entitled "Unit Price Bids" under "General Instructions to Bidders."

112. Right of City to Take Over Contract

If the work to be done under this Contract shall be abandoned, or if the Contractor shall become insolvent or shall assign this Contract or subcontract the work hereunder without the written consent of the City Engineer, or if at any time the City Engineer shall be convinced

that the work is unnecessarily or unreasonably delayed, or that the Contractor is not making such progress in the execution of the work as to indicate its completion within the required time, or that the conditions or agreements of the Contract are being willfully violated or executed carelessly or in bad faith, the City Engineer shall provide the Contractor with a 24-hour notice, in writing, and, after the delivery thereof to the Contractor, the City Engineer shall then have the power and right to place additional laborers and equipment on said work and supply additional material, if necessary, and do such work as deemed advisable for the completion of this Contract, and may use any materials or implements belonging to the Contractor, or the City Engineer shall have the power and right to notify the Contractor to discontinue all work, or any part thereof, under this Contract, and upon such notifications, the Contractor shall discontinue said work, or such parts thereof, as the City Engineer may designate, and the City shall thereupon have the right and power to re-let this Contract, or any part thereof, or to employ, by contract or otherwise, and in such manner and at such prices as it may determine, any person or persons, and obtain any vehicles, applications, machinery, tools, another means of construction, and to procure all proper materials which it may deem necessary to work at and to be used to complete the work herein described; also the power to use such appliances, tools, and materials and means of construction of every description as may be found upon the line of work, both such as entered into the completed work and such as are necessarily used in and about the same in the course of construction, and to procure other proper materials for the completion of the same; and it shall charge the expense of all such labor, materials, vehicles, appliances, machinery, tools and other means of construction, and all expense of inspection and engineering and all other expenses, to said Contractor, and the Contractor shall be liable to the City for the amount of the whole cost of accomplishing the object contemplated by this Contract in excess, if any, of the amount herein agreed upon, together with such other elements of damage as may have been sustained by the City by reason of said Contractor's failure to complete and perform this Contract. In determining the liability of the Contractor hereunder, the City shall not be required to obtain the lowest figures for the work of completing the contract, but all sums actually paid for such completion shall be credited to the City, together with other elements of damage above mentioned, and the certificate of the City Engineer as to the amount of such liability shall be final and conclusive.

113. Extension of Time

a. An extension of time for completion of the work under the Contract may be granted by the City Engineer, subject to the conditions of this paragraph, but only upon the written application of the Contractor. In general, an extension of time will be granted by the City Engineer only if the delay is unavoidable and substantial, not the fault of the Contractor, and could not be reasonably anticipated or adequately guarded against. The Contractor will not be liable for liquidated damages during the period for which time of completion is extended by the City. The Contractor shall be entitled to a reasonable extension of time for unavoidable delay in completion caused solely by the following:

   I. Any act or omission of the City, its officer or employees;

   II. Any act of other public authorities;

Division I
General Conditions

III. Causes not reasonably foreseeable by the parties at the time of the execution of this Contract and which are entirely beyond the control and without the fault or negligence of the Contractor, including, but not limited to, act of God, or the public enemy, war or other national emergency making performance temporarily impossible or illegal, acts or omissions of other contractors (but not the Contractors subcontractors), strikes and labor disputes not brought on by any act or omission of the Contractor, fires, floods, epidemics, quarantine restrictions, freight embargoes, weather of unusual severity such as cyclones or tornadoes, or excessively abnormal weather such as would interfere with the work.

b. The City Engineer will make a determination, based on the ascertained facts and the terms of this Contract, if an extension of time is justified, and, if so, will extend the time for completing the work for a period commensurate with the period of excusable delay. The determination made by the City Engineer shall be binding and conclusive on the Contractor.

114. Liquidated Damages

In the event of delay in the completion of the entire work beyond the period herein prescribed or beyond the period to which such time may be extended by the City, the City of Saginaw shall be paid the sum that is listed on the "Special Provision For Liquidated Damages." for each and every calendar day that the time consumed in said performance and completion extends beyond the final date herein specified, and this sum will be considered liquidated damages that the City will suffer by reason of said delay and default. As indicated in Article 6 of this Contract, this provision for liquidated damages applies separately to each proposal contained in the Contract.

115. Disputes

a. All disputes arising under this Contract or its interpretation, whether involving law or fact or both, or extra work, and all claims for alleged breach of contract shall within ten (10) days of commencement of the dispute, be presented by the Contractor to the City Engineer for decision. All papers pertaining to claims shall be filed in quadruplicate. Such notice need not detail the amount of the claim but shall state the facts surrounding the claim in sufficient detail to identify the claim, together with its character and scope. In the meantime, the Contractor shall proceed with the work as directed. Any claim not presented within the time limit specified within this subparagraph all be deemed to have been waived, except that if the claim is of a continuing character and notice of the claim is not given within ten (10) days of its commencement, the claim will be considered only for a period commencing ten (10) days prior to the receipt by the City Engineer of notice thereof.

b. The Contractor shall submit in detail the claim and the proof thereof. Each decision by the City Engineer will be in writing and will be mailed to the Contractor by both regular mail, email, and/or certified mail, return receipt requested.

c. If the Contractor does not agree with any decision of the City Engineer, the Contractor shall not allow the dispute to delay the work but shall notify the City Engineer promptly

Division I
General Conditions

that the Contractor is proceeding with the work under protest and may then accept the manner in question from final release.

116. Service of Notice

Service of notice by the City upon the Contractor may be made by service upon the Contractor, the superintendent, foreman, agent or representative personally or by certified mail, return receipt requested, sent by the City Engineer to the Contractor, and the receipt of such notice by said Contractor, superintendent, foreman, agent or representative, shall constitute full and legal notice within the meaning of this Contract.

117. Qualifications of Contractor

The Contractor must be capable of performing the various items of work bid upon. The Contractor shall furnish on demand of the City Engineer a list of the Contractor's qualifications covering experience on similar work, a list of machinery, plants, and other equipment available for the proposed work, and such statements of any financial resources as may be deemed necessary.

118. Indemnity

The Contractor shall, at the Contractor's own expense, protect, defend, indemnify and hold harmless the City, and its officers, employees, agents, or representatives, from and against all claims, damages, liabilities, losses and expenses, including reasonable attorney's fees, resulting from the acts, omissions, or negligence of the Contractor, or any of the Contractor's officers, employees, agents, representatives, or subcontractors, in any way connected or otherwise related to their performance or nonperformance of this Contract.

119. Insurance

During the life of the Contract, the Contractor shall obtain and maintain the required insurance and bonds as shown on the "Notice to Bidders: Consultants – Bonds – Insurance". The Contractor shall neither be awarded this contract nor commence work under this contract until he has obtained all required documents and evidence of such has been reviewed and approved by the City of Saginaw. The insurance and bond requirements set forth herein are mandatory and not subject to negotiation.

120. Patents, Royalties, Trademarks, Etc.

All fees for claims and royalties for any patented inventions, materials, articles, methods, arrangements, or processes of manufacture that may be used on or in any way connected with the construction, erection or maintenance of this work, or any part thereof, embraced in this Contract, shall be included in the price stipulated and mentioned in the proposal to contract for said work. The City of Saginaw shall be the owner of any such work produced and paid for in connection with this Contract.

121. Performance Bonds and Payment Bonds

a. Prior to the award and within ten (10) days after the prescribed forms are presented for

signature, the successful bidder shall execute and deliver to the City of Saginaw an Agreement in the form included in the Contract Documents in such number of copies as the City of Saginaw may require.

b. Unless otherwise specified in the notice to bidders, the contractor shall furnish a performance and a payment bond. The bonds shall be required as provided by Act 213, Public Acts 1963, as amended. Performance bonds and payment bonds shall be in an amount not less than 100 percent (100%) of the total amount of the Contract, shall be executed by a corporate surety prior to award of Contract, and shall be subject to approval by the City Manager as to substance and by the City Attorney as to form. Irrespective of the provisions of Article 2 of this Contract, the Contractor shall not commence work hereunder until policies of the insurance required by Section 119 of General Conditions and the bonds required by this section shall have been furnished and approved by the City. Upon failure of the Contractor to furnish said insurance policies or bonds within ten (10) days prior to the award of the Contract by the Council, all of the Contractor's rights to the award of the Contract shall terminate unless the time for furnishing any of said instruments shall have been extended by the City Engineer; such extension shall be for good cause shown by the Contractor. Such termination shall not relieve the Contractor of his liability under his bid bond, and failure to provide the necessary surety bonds and insurance policies shall be treated as the failure of the Contractor to enter into the Contract pursuant to the Contractor's bid.

   Bid Bonds, Performance Bonds and Payment Bonds will be written with companies named in the Federal Register as published by the Department of the Treasury or acceptable to the City. Surety shall have a rating of no lower than an A- as rated by A.M. Best Key Rating Guide or acceptable to the City.

c. The failure of the successful bidder to execute this Contract and to supply the required bond or bonds within ten (10) days after the prescribed forms are presented for signature, or within such extended period as the City Engineer may grant, based upon reasons determined sufficient by the City Engineer as good cause shown by Contractor, shall constitute a default, and the City of Saginaw may either award the contract to the next best responsible bidder or re-advertise for bids, and may charge against the bidder the difference between the amount for which a contract for the work is subsequently executed, irrespective of whether the amount thus due exceeds the amount of the bid bond. If a more favorable bid is received by re-advertising the defaulting bidder shall have no claim against the City of Saginaw for a refund.

122. Facilities and Notices for Inspection

The City Engineer and duly authorized inspectors shall at all times have the right to enter the premises upon which said work is being done, or upon which material is manufactured, prepared or stored, for work under this Contract, and to inspect said work and materials, and to ascertain whether or not the construction is carried out in accordance with this Contract; and the Contractor shall render all necessary assistance and provide all reasonable facilities and give ample time for such inspection. When any work or material is being executed or prepared away from the line of work, the City Engineer shall be notified in reasonable time

Division I
General Conditions

where such work is being executed and such material prepared and when it will be ready for inspection so that inspection may be made from time to time before delivery. Failure or neglect on the part of the City Engineer or any inspector to condemn any material at the time of its being supplied or furnished shall not be construed to imply an acceptance thereof.

The Contractor shall notify the Engineer sufficiently in advance of backfilling or concealing any facilities to permit proper inspection. If any facilities are concealed without approval or consent of the Engineer, the Contractor shall uncover for inspection and recover such facilities, at the Contractor's own expense, when so requested by the Engineer.

123. Materials and Workmanship

a. Unless otherwise specifically provided for in the Technical Specifications, all workmanship, equipment, materials, and articles incorporated in the work shall be new and the best grade of the respective kinds for the purpose. Where equipment, materials, articles, or workmanship are referred to in the Technical Specifications as “equal to” any particular standard, the City Engineer shall decide the question of equality.

b. The Contractor shall furnish to the City Engineer for approval the manufacturer's detailed specifications for all machinery, mechanical and other special equipment which the Contractor contemplates installing, together with full information as to type, performance characteristics, and all other pertinent information as required, and shall likewise submit for approval as required full information concerning all other materials or articles which the Contractor proposes to incorporate in the work (see paragraph 124: “Samples Certificates and Tests”, of Division 1, General Conditions).

c. Machinery, mechanical and other equipment, materials, or articles installed or used without such prior approval shall bear the risk of subsequent rejection.

d. Materials specified by reference to the number or symbol of a specific standard, such as an ASTM Standard, a Federal Specification or other similar standard, shall comply with requirements in the latest revision thereof and any amendment or supplement thereto in effect on the date of the Notice Inviting Sealed Proposals, except as limited to type, class, or grade, or modified in such reference. The standards referred to, except as modified in the Technical Specifications, shall have full force and effect as though printed therein.

e. When any material has been furnished by the City, the Contractor, or the Contractor’s authorized agent, shall sign a receipt therefore, stating that the material has been received in good condition; and, after receiving such material, the Contractor shall be responsible for the material and shall protect it from the weather and from all other causes which might damage the same, in order to keep the material in as good condition as when it was received. All material broken, damaged or stolen when in the care of the Contractor shall be charged against the Contractor and the value thereof deducted from any monies that may become due the Contractor. All materials furnished by the City shall be loaded and hauled from locations as directed by the City Engineer or Employee.

124. Samples, Certificates and Tests

Division I
General Conditions

a. The Contractor shall submit all material and equipment samples, certificates, affidavits, etc., as called for in the Contract Documents or required by the Engineer. No such material or equipment shall be manufactured or delivered to the site except at the Contractor's own risk, until the Engineer has approved the required samples or certificates. Any delay in the work caused by late or improper submission of samples or certificates for approval shall not be considered just cause for an extension of the Contract time.

   Each sample submitted by the Contractor shall carry a label giving the name of the Contractor, the project for which it is intended, and the name of the producer. The accompanying certificates or letters from the Contractor shall state that the sample complies with Contract requirements, shall give the name and brand of the product, its place of origin, the name and address of the producer, and all specifications or other detailed information which will assist the Engineer in passing upon the acceptability of the sample promptly. Such certificate or letter shall also include the statement that all materials or equipment furnished for use in the project will comply with the samples and/or certified statements.

b. Approval of any materials shall be general only and shall not constitute a waiver of the City of Saginaw's right to demand full compliance with Contract requirements. After actual deliveries, the Engineer will have such check tests made, as deemed necessary in each instance, and may reject materials and equipment and accessories for cause, even though such materials and articles have been given general approval. If materials, equipment, or accessories, which fail to meet check tests, have been incorporated in the work, the Engineer will have the right to cause their removal and replacement by proper materials or to demand and secure such reparation by the Contractor as is equitable.

c. Except as otherwise specifically stated in the Contract, the costs of sampling and testing will be divided as follows:

   I. The Contractor shall furnish, without extra cost, all samples required for testing purposes; furnishing shall include packing and delivery charges, except for those samples taken on the project by the Engineer;

   II. The Contractor shall assume all costs of retesting materials which fail to meet Contract requirements;

   III. The Contractor shall assume all costs of testing materials offered in substitution for those found deficient; and

   IV. The City of Saginaw will pay all other expenses.

125. Permits and Codes

The Contractor shall keep fully informed of and shall at all times observe and comply with all existing or future Federal, State, or local laws or regulations, all requirements and provisions of the Charter of the City of Saginaw, and all municipal ordinances, prohibitions, rules, and regulations in any manner affecting the conduct of the work, and shall protect and indemnify

Division I
General Conditions

the City against any and all claims arising from or based on any violations of such laws, Charter, ordinances, prohibitions, rules, regulations, orders, or decrees and against all violations of same by the Contractor or the Contractor's officers, employees, agents, representatives, or subcontractors.

126. Care of Work

a. The Contractor shall be responsible for all damages to persons or property that occur as a result of the Contractor's fault or negligence, or the fault or negligence of the Contractor's officers, employees, agents, representatives or subcontractors, in connection with the execution of the work and shall be responsible for the proper care and protection of all work performed until completion and final acceptance, whether or not the same has been covered in whole or in part by payments made by the City of Saginaw.

b. In an emergency affecting the safety of life or property on or adjoining the site, the Contractor shall act, either at the Contractor's own discretion or as instructed by the City of Saginaw, to prevent such threatened loss or injury. Any compensation claimed by the Contractor on account of such emergency work will be determined by the City of Saginaw as provided in the section entitled "Changes in the Work", in Section 111, Division I, General Conditions. In no instance shall the Contractor be paid for such emergency work where the emergency work was necessitated by the acts or omissions of the Contractor, or its officers, employees, agents, representatives, or subcontractors.

c. The Contractor shall avoid damaging sidewalks, streets, curbs, pavements, utilities, structures, or any other property (except that which is to be replaced or removed) either on or adjacent to the site. The Contractor shall repair at the Contractor's own expense and in manner satisfactory to the City of Saginaw, any damage thereto caused by the Contractor's operations, or the operations of the Contractor's officers, employees, agents, representatives, or subcontractors.

d. All water and gas mains, all sewer and other pipes, and all conduits and other underground work of any nature, crossing or projecting into any trench or excavation and all appurtenances thereto, such as Cast Iron Valve Boxes, curb boxes, manhole casting, etc. shall be sufficiently and adequately shored and supported by timber and planking, as required per contract specifications, and protected by the Contractor from injury, and any damage or injury thereto shall be repaired by the Contractor at the Contractor's own expense to the satisfaction of the City Engineer.

e. The Contractor shall at all times keep excavated areas, trenches, and holes free of water during the progress of the work. All costs for the installation and operating of pumps and other necessary equipment to keep excavated areas, trenches, and holes free of water shall be borne by the Contractor.

127. Review by the City of Saginaw

The City of Saginaw, its authorized representatives and agents, shall, at all times, have access to and be permitted to observe and review all work, materials, equipment, payrolls, personnel records, employment conditions, and other relevant data and records pertaining to this

Division I
General Conditions

contract, provided, however, that all instructions and approvals with respect to the work will be given to the Contractor only by the City of Saginaw through its authorized representatives or agents.

128. Sanitary Facilities

The Contractor shall furnish, install, and maintain ample sanitary facilities for employees and sub-contractors. As the need arises, a sufficient number of enclosed temporary toilets shall be conveniently placed as required by federal, state or local law or regulation.

Drinking water shall be provided from an approved source, so piped or transported as to keep it safe and fresh and served from single service containers or satisfactory types of sanitary drinking stands or fountains. All such facilities and services shall be furnished in strict accordance with existing federal, state, or local law or regulation.

129. Water

Water for use on improvements may be procured from the nearest hydrant. Permission to open and use hydrants and water shall, however, first be obtained from the City of Saginaw or other proper jurisdiction, subject to rules and regulations of said jurisdiction; the Contractor shall furnish all necessary piping, hose and accessories and pay all water taxes, fees, and charges incidental to the opening and closing of hydrants and the use of water. Before the allowance of the final estimates, the Contractor shall present to the City Engineer a receipt from the authorizing jurisdiction's treasurer, showing that all water taxes and charges for the use of water under this Contract have been paid.

130. Stoppage of Work and Crossings

Upon any stoppage of work, all materials are to be piled up neatly so as not to impede travel upon the sidewalks or roadway, or the use of fire hydrants, and all rubbish and surplus material shall be removed immediately thereafter from the street or avenue by the Contractor. During rainy weather, the Contractor shall lay a temporary plank crosswalk across the street from sidewalk to sidewalk, such as will provide safe and dry footing for pedestrians. When so ordered by the City Engineer, the Contractor shall lay a temporary roadway or bridge sixteen (16) feet in width across the entire intersection or excavation or trench such as will provide a safe and satisfactory roadway for vehicular travel. All the aforesaid work shall be done without cost to the City other than the price paid for excavation.

131. Privileges of Contractor in the Street

a. The Contractor may occupy the whole width of the roadway between the sidewalks or the street lines. The Contractor shall not close more than three (3) blocks at one time without permission from the City Engineer. Each block of pavement or improvement shall be finished and opened to public travel as soon as practicable after the commencement of work thereon, but the use of any portion of the pavement or improvement by the public shall not be construed as an acceptance of the work, nor shall the Contractor be entitled to any damages thereby. No more than two consecutive street intersections shall be closed to public traffic at the same time, and each alternate intersection shall be opened for traffic,

unless otherwise ordered by the City Engineer.

b. All sidewalk approaches and the crossings at street intersections shall be kept open and always made safe and passable at all times by the Contractor for both pedestrian and vehicular travel, except at such times as the Engineer may direct otherwise.

c. The Contractor shall provide and maintain a safe and satisfactory roadway across all railway tracks at such places as required. Unless authority is otherwise given, the Contractor shall complete one side of the street before closing the other side, keeping the street open for travel and the fire department as much as possible.

132. Excavations Under Railroads

In excavating under or adjacent to any railroad tracks, the running of trains or cars must not be interrupted or interfered with, and the Contractor shall conduct this work so as not to cause injury to such tracks. The Contractor shall notify the railroad company owning said tracks to support and protect same and shall arrange with such company for any construction and for any expense incurred thereby, without cost to the City.

133. Barricades and Traffic Controls

All barricades and traffic controls for the work shall be in conformance with the 2011 Michigan Manual of Uniform Traffic Control Devices (hereafter referred to as the Manual). The Contractor shall barricade or fence the work as outlined in the Manual or as directed by the Engineer.

In addition to the requirements of the Manual, the Contractor shall maintain at all times a good and sufficient fence, railing or barrier around all exposed portions of said work in such a manner as to warn vehicular and pedestrian traffic of hazardous conditions. This shall apply to all construction projects either within street right-of-way or off-street right-of-way.

It shall also be the duty of the Contractor to place upon such barriers, fences, or railings, at evening twilight on each day, the required colored lights, and to keep them lighted during the night.

The Contractor shall put up and maintain barricades and traffic controls as required by the Manual for any stored materials the Contractor may have placed in the street.

Should the Contractor fail to properly barricade the work or stored material sites in the manner outlined above, the City may have the necessary barricading done, and all costs incurred for said barricading shall be charged to the Contractor.

All costs incurred for barricading or fencing shall be incidental to the work items in the Contract unless otherwise stated. In addition, all costs incurred by the City for placing barricading or fencing on the work site when the Contractor has failed to do so, or when the Contractor has failed to properly maintain those barricades or fencing the Contractor has placed, shall be charged to the Contractor, who shall promptly pay all charges. Should the Contractor fail to pay for the barricading placed by the City, the City may deduct the amount

Division I
General Conditions

owing from the final payment.

134. Grade Stakes

Grade or line stakes will be given by the City and must be protected and preserved and strictly followed, but the Contractor shall note any irregularities in such stakes and have the same checked before proceeding. The Tops of all stakes must be uncovered and kept exposed by the Contractor at any and all times so as to be accessible to the Engineer on demand.

135. Street Monuments

The Contractor shall not disturb any street monuments unless authorized to do so by the City Engineer.

136. Sunday and Night Work

No Sunday or night work shall be done except in case of emergency, and then only with the written consent of the Engineer. If, for any reason, it is necessary to do any work after twilight and permission is granted, the Contractor shall furnish suitable lighting without cost to the City other than the price paid for the work being done.

137. Test Borings, Test Holes, or Test Pits

All data on plans relative to test borings, test holes or test pits made by the City for the purpose of determining soil conditions in, alongside of, or in close proximity to the line of work, shall in no way be construed by the Contractor as a guarantee of soil conditions as will be encountered in the line of the work, but will be understood to be nothing more than data which the Contractor may or may not use in forecasting soil conditions.

138. Cleaning Up

Upon completion of the actual work of construction, the Contractor shall clean up and leave in a neat condition all the premises, which the Contractor has occupied during the construction period. Before the time for the final estimate, the Contractor shall remove from the premises all surplus excavation, debris, rubbish, and all unused materials, together with all tools and equipment. Should the Contractor fail to properly clean the premises within fourteen (14) days of completion of the work, the City of Saginaw, in its sole discretion, may exercise the right to clean same, and shall charge the costs of any such clean up against the final payment to the Contractor.

139. Correcting Work

Any unfaithful work or imperfect work or material that may be discovered before the final acceptance of the work shall be corrected and replaced immediately on the order of the City Engineer. In case any material is rejected, it shall be immediately removed from the line of work and not again brought thereon. In case the order for removal and replacing as specified above is not promptly complied with after written notice, the City Engineer shall be at liberty to remove and replace the same with proper materials, at the expense of the Contractor, and

the cost thereof shall be deducted from the amount due the Contractor. Any failure of the City to disapprove the work or material at the time of the inspection, or at the time of any semi-monthly or other estimate, shall not relieve the Contractor of any obligations. All work or material of whatever kind, which, during the progress of construction and before its final acceptance, may become damaged from any cause and shall be removed and replaced by the Contractor with good and satisfactory work or material; the Contractor shall bear the cost of such replacement where the replacement was necessitated by the act or omission of the Contractor or the Contractor's officers, employees, agents, representatives or subcontractors. Should it become necessary to retain any faulty or imperfect work or material which, if corrected or replaced would cause undue risk, injury or delay, a sum to be adjusted by the City Engineer, not exceeding the whole value of such work or material if the same were correct, shall be deducted from the Contract price.

140. Accident Prevention

a. The Contractor shall always exercise proper precaution at all times for the protection of persons and property and shall be responsible for all damages to persons and property, either on or off the site, which occur as a result of the Contractor's fault or negligence, or the fault or negligence of the Contractor's officers, employees, agents, representatives or subcontractors, in connection with the execution of the work. The safety provisions of applicable laws and building and construction codes shall be observed, and the Contractor shall take or cause to be taken such additional safety and health measures as the City of Saginaw may determine to be reasonably necessary. Machinery, equipment, and all hazards shall be guarded in accordance with the safety provisions of the "Manual of Accident Prevention in Construction" published by the Associated General Contractors of America, Inc., to the extent that such provisions are not in conflict with applicable local laws.

b. The Contractor shall maintain an accurate record of all cases of death, occupational disease, and injury requiring medical attention or causing loss of time from work, arising out of and in the course of employment or work under the Contract. The Contractor shall promptly furnish the City of Saginaw with reports concerning these matters.

c. The Contractor shall indemnify and save harmless the City of Saginaw from any claims from damages resulting from personal injury and/or death suffered or alleged to have been suffered by any person as a result of any work conducted under this Contract.

141. Requests for Supplementary Information

It shall be the responsibility of the Contractor o make timely requests of the City Engineer for any additional information not already in the Contractor's possession which should be furnished by the City of Saginaw under the terms of this Contract, and which will be required in the planning and execution of the work. Such requests may be submitted in writing from time to time as the need arises, but each shall be filed in ample time to permit appropriate action to be taken by all parties involved so as to avoid delay. The Contractor shall be fully responsible for any delay in the work or to others arising from the Contractor's failure to comply fully with the provisions of this section.

Division I
General Conditions

142. Warranty of Title

No material, supplies, or equipment for the work shall be purchased subject to any chattel mortgage or under a conditional sale or other agreement by which an interest therein or in any part thereof is retained by the seller or supplier. The Contractor shall warrant good title to all materials, supplies, and equipment installed or incorporated in the work and upon completion of all work, shall deliver the same together with all improvements and appurtenances constructed or placed thereon to the City of Saginaw free from any claims, liens, or charges. Neither the Contractor, nor any person, firm or corporation furnishing any material or labor for any work covered by this Contract, shall have any right to a lien upon any improvement of appurtenance thereon. Nothing contained in this paragraph, however, shall defeat or impair the right of persons furnishing materials or labor to recover under any bond given by the Contractor for their protection or any rights under any law permitting such persons to look to funds due the Contractor in the hands of the City of Saginaw. The provisions of this paragraph shall be inserted in all subcontracts and material contracts and notice of its provisions shall be given to all persons furnishing materials for the work when no formal contract is entered into for such materials.

143. Fair Employment Practices

a. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, national origin, age, sex, height, weight, sexual orientation, gender identity, marital status, or membership in another class of persons protected by federal, state, or local law. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, national origin, age, sex, height, weight, sexual orientation, gender identity, marital status, or membership in another class of persons protected by federal, state, or local law. Such action shall include but not be limited to the following: employment, upgrading, demotion, termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices describing the federal, state, or local law prohibiting job discrimination.

b. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age, national origin or inclusion in other class of persons protected by federal, state, or local law.

c. The Contractor will send to each labor union or representative of workers with which the Contractor has a collective bargaining agreement or other contract or understanding, a notice, to be provided, advising the labor union or worker's representative of the Contractor's commitments under this section.

d. The Contractor will furnish all information and reports required by the City of Saginaw, and will permit the City access to any books, records, and accounts for purposes of investigation to ascertain compliance with this section.

Division I
General Conditions

e. The Contractor shall comply with the provisions of the federal Civil Rights Act of 1964, as amended, Michigan's Elliott-Larsen Civil Rights Act, P.A. 453 of 1976, as amended, and any such other nondiscrimination law as may apply to Contractor and its activities hereunder.

f. In the event of the Contractor's noncompliance with the nondiscrimination clauses of this Contract, this Contract may be immediately cancelled, terminated, or suspended by the City, in whole or in part, and the Contractor may be declared ineligible for further contracts.

g. The Contractor will include the provisions of paragraphs (a) through (f) in every subcontract, so that such provisions will be binding upon each such subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the City of Saginaw may direct as a means of enforcing such provisions, including sanctions for noncompliance.

144. Acceptance

No estimate given or payment made under the Contract, or the occupancy of the work herein required, either partial or entire by the City, shall be evidence of the performance of the Contract either in whole or in part, nor an acceptance of imperfect or faulty work or material.

145. Guarantee

The Contractor shall be responsible for and must make good any defects arising or discovered in the work or material required hereunder within one (1) year from the completion and final acceptance of such work and material, except for concrete sidewalks, new or repaired, and paving between the curb and sidewalk (driveway approaches), which shall be guaranteed for a period of five (5) years from the completion and final acceptance of such work and material. No payment, final or otherwise, shall be construed to relieve the Contractor from the obligation to make good any defect arising or discovered within such period, nor as a waiver of any specific obligation which the Contractor may assume as to the durability of the work. Nothing in this section, or elsewhere in this Contract, shall be construed as a waiver or diminishment of any statute of limitations or other time period in which the City is allowed to raise a claim against the Contractor relating to the work to be performed herein.

146. Michigan Sales & Use Tax

The Contractor shall include and be deemed to have included in the bid and contract price all Michigan Sales and Use Taxes currently imposed by legislative enactment and as administered by the Michigan Department of Treasury on the bid date.

If the Contractor is not required to pay or bear the burden, or obtain a refund or drawback, in whole or in part, of any Michigan Sales or Use Tax, interest or penalty thereon, which was required to be and was deemed to have been included in the bid and contract price, the contract price shall be reduced by the amount thereof, and the amount of such reduction whether as a refund or otherwise shall ensure solely to the benefit of the City of Saginaw.

147. Final Inspection

Division I
General Conditions

When the improvements embraced in this Contract are substantially completed, the Contractor shall notify the City Engineer in writing that the work will be ready for final inspection on a definite date, which shall be stated in the notice. The notice will be given at least ten (10) days prior to the date stated for final inspection and bear the signed concurrence of the representative of the City Engineer having charge of inspection. If the City Engineer determines that the status of the improvements is as represented, he or she will make the arrangements necessary to have final inspection commenced on the date stated in the notice, or as soon thereafter as is practicable.

NOTICE TO BIDDERS

Consultants - Insurance - Bonds

In case of a conflict between the City's documents and the documents provided by the consultant the City's shall prevail,

The City of Saginaw shall not be a party to any arbitration proceeding.

Provide Engineering with a copy of this endorsement with all other insurances and bonds.

REQUIRED/APPLICABLE INSURANCE – NO EXCEPTIONS

COMMERCIAL GENERAL LIABILITY (C.G.L.)

OWNER'S AND CONTRACTOR'S PROTECTIVE LIABILITY (O.C.P.)

UMBRELLA LIABILITY

AUTOMOBILE - WORKMAN'S COMPENSATION

REQUIRED BONDS – Over $50,000 - NO EXCEPTIONS

PAYMENT BOND – S-215-AIA-A312 (11/10), S-215-AIA-A312 (11/10) or current version is required, no substitutions allowed.

PERFORMANCE BOND - A-2100-AIA-A312 (11/10) or current version is required, no substitutions allowed.

MAINTENANCE BOND – IF REQUIRED (See Individual contract)

The City of Saginaw does not provide the required bond forms.

Additional information:

Upon failure of the Contractor to furnish said insurance policies or bonds within ten (10) days prior to the award of the Contract by the Council, all the Contractor's rights to the award of the Contract shall terminate unless the time for furnishing any of said instruments shall have been extended by the City Engineer; such extension shall only be for good cause shown by Contractor.

The Contractor must have all copies the Contract signed, insurances, bonds and all required documents returned and approved by City of Saginaw (Engineering, Attorney, and Insurance/Bond Reviews) prior to the contract going to Council for approval and award.

The Contractor will not be allowed to start work until all City of Saginaw signatures are obtained. Contract Books are **not always** signed at the City Council Meeting when the contract is approved.

INSURANCES REQUIRED

INDEMNITY

The Contractor shall, at the Contractor's own expense, protect, defend, indemnify and hold harmless the City, and its officers, employees, agents, or representatives, from and against all claims, damages, liabilities, losses and expenses, including reasonable attorney's fees, resulting from the acts, omissions, or negligence of the Contractor, or any of the Contractor's officers, employees, agents, representatives, or subcontractors, in any way connected or otherwise related to their performance or nonperformance of this Contract.

INSURANCE

a. During the life of the contract, the Contractor shall effect and maintain the following types of insurance:

Commercial General Liability (cgl)
Automobile
Workman's Compensation
Umbrella Liability
Owner's and Contractor's Protective Liability (ocp)
*Builder's Risk (when applicable)
*Pollution Coverage (when applicable)
*The City will specify when such coverage is applicable.

All insurers shall have at least an A- (excellent) rating by A.M. Best or acceptable to the City and be written on an occurrence basis.

Contractor agrees to name and require its subcontractors to name the City of Saginaw, its officers, employees, agents, or representatives, as additional insureds on Contractor's and its subcontractors' general liability and umbrella/excess insurance policies, with primary, non-contributory coverages, and including coverage for products-completed operations hazards and for ongoing work. The policy shall include a per project aggregate. The Additional Insured endorsement shall be as broad as ISO's (CG 20 10 11/85) or a combination of ISO's Scheduled Ongoing Operations (CG 20 10 10/01) and Scheduled Completed Operations (CG 20 37 10/01). All of Contractor's insurance policies shall contain terms waiving subrogation rights against the City of Saginaw its officers and employees. Proof of the waiver of subrogation for each insurance policy shall be by endorsement. The Contractor shall include this waiver of subrogation in contracts with its Subordinate Parties.

For General Liability and Umbrella Coverage
Contractor shall maintain, for a period of six years after completion of all Work on the project General Liability and Umbrella coverage.

The Contractor shall not commence work under this contract until he has obtained all required insurance and evidence of such insurance has been reviewed and approved by the City Engineer.

b. All certificates of insurance issued for this contract shall contain the following information in addition to stating the type of insurance and the amount of coverage.

I. The Contract number and description of work covered by the insurance.

II. The insurance must be in a form acceptable to the City and the deductible shall not exceed $5,000.00, unless otherwise approved by the City.

III. Thirty (30) days' notice in writing of any cancellation, termination or change of condition of the policy.

c. Certificates of Insurance must be presented prior to commencing any work under this contract, as well as upon request by the City during or after the Project; however, Contractor's failure to submit the required Certificate of Insurance, or failure to have the Certificates of Insurance identify the required coverage, does not excuse Contractor from procuring the required insurance. The Contractor shall be responsible for and pay any deductibles or self-insured retention amounts. The Contractor's insurance policies shall provide for 30 days written notice to the City for cancelation or any change in coverage. Not less than two weeks prior to the expiration, cancellation, or termination of any such policy, Contractor shall supply the City with new and replacement certificate(s) of insurance as proof of renewal of said original policy showing compliance with minimum insurance requirements below.

d. Commercial General Liability and Owner's and Contractor's Protective Liability. The Contractor shall procure and shall maintain during the life of this contract Commercial General Liability, and Owner's and Contractor's Protective Liability insurance with limits of liability not less than the amounts listed on the following page.

e. Automobile Insurance: The Contractor shall procure and maintain during the life of this contract Automobile Insurance with limits of liability not less than the amounts listed on the following page.

f. Workman's Compensation: The Contractor shall procure and maintain during the life of this contract Worker's Compensation Insurance, including Employers Liability Coverage, in accordance with all applicable statutes of the State of Michigan.

g. Umbrella and/or Excess Liability: The Contractor shall procure and maintain during the life of this contract Umbrella and/or Excess Liability with limits of liability not less than the amounts listed on the following page.

h. Builder's Risk: (when applicable). The Contractor shall procure and maintain during the life of this contract Builder's Risk Insurance equal to one hundred percent of the completed value of the structures.

i. Pollution Coverage: The Contractor or the Subcontractor who actually performs the work shall carry pollution insurance in the amount of $1,000,000.00 (or such other limit as may be determined in the sole discretion of the City Engineer) where the project involves Asbestos, Environmental or Lead abatement or such other work where the City specifies that pollution insurance is necessary.

INSURANCE LIMITS

General Liability Limits	
$1,000,000	Each Occurrence
$1,000,000	Personal and Advertising Injury
$2,000,000	General Aggregate
$2,000,000	Products and Completed Operations Aggregate
Automobile	
$1,000,000	Each Accident
Umbrella and/or Excess Liability	
$5,000,000	Occurrence/Aggregate
Owner's and Contractor's Protective Liability	
$1,000,000	Occurrence
$2,000,000	Aggregate

The following language applies as it pertains to limits:

Should the Contractor have an insurance policy with limits of liability or coverage greater than or in addition to those required by the contract, then those higher limits of liability and coverage in the Contractor's policy shall apply.

The Contractor is responsible for USHL coverage for workers compensation if required by law.

The umbrella/excess policy can be used to meet underlying requirements and must follow form.

NOTICE TO BIDDERS

IRAN ECONOMIC SANCTIONS ACT:

The act provides that Iran linked businesses are ineligible from submitting a bid on the City's requests for proposals. The Act further provides that the City shall require all bidders to certify that they are not Iran linked businesses.

Definition: Iran linked businesses are those linked to the Iranian energy sector. An Iran linked business is specifically defined as:

i. A person engaging in investment activities in the energy sector of Iran, including a person that provides oil or liquefied natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquefied natural gas for the energy sector of Iran.

ii. A financial institution that extends credit to another person, if that person will use the credit to engage in investment activities in the energy sector of Iran.

The provisions of the Act are only in effect if a country is a state sponsor of terror. A state sponsor of terror is defined as any country determined by the United States secretary of state to have repeatedly provided support for acts of international terrorism. Iran is currently on the US SOS state sponsor of terrorism list (http://www.state.gov/j/ct/list/c14151.htm), along with Cuba, Sudan, and Syria.

NOTICE TO BIDDERS

§ 14.36 PREFERENCE FOR LOCAL BIDDERS.

(A) (1) If the lowest bidder is not a Saginaw-based bidder, as defined above, any Saginaw-based bidder with a bid within 5% of the lowest bid shall be deemed the lowest bidder if it agrees to reduce its bid to match the bid of the lowest bidder. Such a bidder will remain bound to all terms of their original bid.

(2) A lowered bid by a Saginaw-based business which is premised upon, in whole or in part, changes to or variances to the bid specifications, contract requirements, or scope of work, shall be considered non-responsive and will not be considered.

(B) If such a Saginaw-based business refuses to reduce its bid to match the lowest bid, then the next lowest responsive and responsible Saginaw-based business with a bid within 5% of the lowest bid shall be deemed the lowest bidder, if it agrees to reduce its bid to match the bid of the lowest bidder. Such a bidder will remain bound to all other terms of their original bid.

(C) If no responsive and responsible Saginaw-based businesses within 5% of the lowest bid agree to reduce their bids, then the contract shall be awarded to the person or business with the lowest, most responsive and responsible bid.

(D) In the event of a tie between two or more Saginaw-based businesses, where all other factors are equal, the award of the bid shall be by coin toss conducted by the Purchasing Officer or his or her designee.

(E) No contract awarded pursuant to this ordinance shall be sublet in any manner that permits 50% or more of the dollar value of the contract to be performed by a subcontractor or subcontractors who do not meet the definition of “Saginaw-based.”

(F) The section shall not waive or constrain, in any manner, the right and prerogative of the City to reject any and all bids or proposals from any Saginaw-based business which fails to meet the requirements of any other section of this ordinance, or to reject a bid which is in any way incomplete, irregular, not responsive or not responsible.

(G) Local preferences shall not be applied in cases of procurements funded, even in part, with federal dollars, unless such procurement is for architectural and engineering services. When contracting for architectural and engineering services, local preference may be a selection criterion provided its application leaves an appropriate number of qualified vendors, given the nature and size of the project, to complete the contract.

See Title 1: Administrative Code - Chapter 14: Finance and Purchasing

NOTICE INVITING SEALED BIDS

Bid/Contract Number – C-1723

C-1723 2026 Local Road Millage Resurfacing and Water Main Replacement

FOR THE DEPARTMENT OF PUBLIC SERVICES, ENGINEERING DIVISION, CITY OF SAGINAW, MICHIGAN. Sealed bids will be received by the City of Saginaw Purchasing Office, 1315 S. Washington Avenue, Saginaw, Michigan 48601, **until 3:00 p.m., Tuesday, May 12, 2026**, and then publicly opened for the DEPARTMENT OF PUBLIC SERVICES, ENGINEERING DIVISION – C-1723 2026 Local Road Millage Resurfacing and Water Main Replacement

3 miles of HMA mill and resurface, with ADA ramps, structures adjustments, and water main replacement on Arthur Street and Maple Street. Furnish labor, tools, equipment, and materials as required to perform the work as specified in the contract documents.

Direct any questions to Travis Hare, City Engineer, via email at engineer@saginaw-mi.com, before 3:00p.m. on May 01, 2026.

To access downloadable contract documents, go to the City of Saginaw's website at https://www.saginaw-mi.com/Bids.aspx. There is **no charge** for these downloadable documents. For a hard copy of the contract documents, call the City Engineer's office at 989-759-1410. The office is in the lower level of the Public Works Service Center building, 1435 S. Washington Avenue, Saginaw, Michigan 48601. There is a **$125.00 non-refundable** charge for a hard copy of the contract book and drawings with an additional charge of **$25.00** to cover the mailing. Checks must be made payable to "Treasurer, City of Saginaw" and mailed to the City Engineer, 1315 South Washington Avenue, Saginaw, Michigan 48601.

All vendors are subject to the provisions of the City's Purchasing, Contracting, and Selling Procedure Ordinance, Title I, Chapter 14, §14.30-14.45, of the Saginaw Code of Ordinances. For disability accommodation, please call 989-759-1410.

As part of the consideration for this bid, the vendor doing business with the City of Saginaw agrees to have withheld from any payments due them, any amounts for taxes, fees, or other charges due the City of Saginaw.

The City of Saginaw has an income tax. All successful bidders will be subject to income tax withholdings; compliance is mandatory.

Contract amounts totaling $100,000 or more will require a certified check, cashier's check, or surety company bid bond in an amount of five percent **(5%)** of the total bid to be submitted with the bid as security for the acceptance and execution of the contract.

The successful bidder on a contract of $50,000.00 or more will be required to furnish surety company bonds as follows:
First - A bond in the sum of one hundred percent (100%) of the contract price running to the City of Saginaw to insure the construction and completion of the entire work according to the proposal and contract.
Second - A bond in the sum of one hundred percent (100%) of the contract price running to the City of Saginaw for the protection of the subcontractors and labor and material suppliers, according to the statute of the State of Michigan at that time in effect.

The City of Saginaw reserves the right to accept or reject any and all bids, or parts thereof, and to waive any irregularities in the bid except those specifically mentioned in the Sealed Bid Instructions. Bidders are required by the City's Purchasing, Contracting, and Selling Procedure Ordinance to submit documentation concerning their current work force and past employment practices and to subscribe to a statement furnished by the City indicating compliance with the Ordinance.

Kim Jaime, Purchasing Officer

CITY OF SAGINAW, MICHIGAN
BID FORM

C-1723 2026 LOCAL ROAD MILLAGE RESURFACING AND WATER MAIN REPLACEMENT

To the City of Saginaw Date:_____

In response to your notice, the undersigned, hereinafter called the Contractor, hereby declares that the Contractor has read the "General Instruction to Bidders", "Sealed Bid Instructions" and "General Information", has examined the plans, specifications and the location of the work described herein, has reviewed the proposed Contract and its general conditions, and, is thus fully informed to the nature of the work and the conditions relating to its performance and further understands that the quantities shown hereon are approximate only and are subject to either increase or decrease.

The Contractor hereby proposes to furnish all the necessary equipment and tools, do all the work, furnish all the materials, except as otherwise specified and to complete the work herein described all in accordance with the Contract and its plans and specifications, of which this proposal is a part, for the unit prices named in the following itemized bid.

Prior to and contingent upon award of a contract of $50,000.00 or more, the undersigned further agrees to furnish a surety company performance bond in the sum of not less than 100 percent (100%) of the total amount of the contract company to secure the faithful performance of the Contract and, when required, a surety company labor and material bond in the sum of not less than 100 percent (100%) of the total amount of the Contract for the protection of subcontractors, labor and material suppliers, according to the laws of the State of Michigan at that time in effect. Said signed Contract, surety company bonds, and insurance shall be furnished within ten (10) days from date of notification by the Engineering Division of acceptance of the proposal submitted. The Contract cannot be fully awarded by City Council without the return of these executed documents.

In compliance with the requirements of said notice, this proposal is accompanied by an **original** bid bond, bank money order, certified check, or cashier's check in the sum of five percent (5%) of total bid to guarantee that a contract will be entered into if the above proposal is accepted, and the contract awarded to the undersigned.

52.222-21 Prohibition of Segregated Facilities.

As prescribed in 22.810(a)(1), insert the following clause:

Prohibition of *Segregated Facilities* (Apr 2015)

(a) *Definitions*. As used in this clause

Gender identity has the meaning given by the Department of Labor's Office of Federal Contract Compliance Programs, and is found at http://www.dol.gov/ofccp/LGBT/LGBT_FAQs.html.

Segregated facilities, means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees, that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, sex, *sexual orientation*, *gender identity*, or national origin because of written or oral policies or employee custom. The term does not include separate or single-user rest rooms or necessary dressing or sleeping areas provided to assure privacy between the sexes.

Sexual orientation has the meaning given by the Department of Labor's Office of Federal Contract Compliance Programs, and is found at http://www.dol.gov/ofccp/LGBT/LGBT_FAQs.html.

(b) The Contractor agrees that it does not and will not maintain or provide for its employees any *segregated facilities* at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where *segregated facilities* are maintained. The Contractor agrees that a breach of this clause is a violation of the Equal Opportunity clause in this contract.

(c) The Contractor *shall* include this clause in every subcontract and *purchase order* that is subject to the Equal Opportunity clause of this contract.

(End of clause)

Parent topic: 52.222 [Reserved]

	DESCRIPTION	APPX. QUANT.	UNIT	UNIT PRICE	BID AMOUNT
1	Mobilization, Max $300,000	1	LSUM		
2	Tree, Rem, 19 inch to 36 inch	2	EA		
3	Curb and Gutter, Rem	2,316	FT		
4	Sidewalk, Rem	1,400	SYD		
5	Pavt, Rem, Modified	3,622	SYD		
6	Excavation, Earth	1,300	CYD		
7	Subgrade Undercutting, Type II, Modified	58	CYD		
8	Sidewalk Grading, Modified	1,400	SYD		
9	Aggregate Base, 4 inch, Modified	1,800	SYD		
10	Aggregate Base, 8 inch, Modified	6,304	SYD		
10	Dr Structure Cover, Adj, Case 1, Modified	150	EA		
11	Dr Structure, Adj, Add Depth	30	FT		
12	Dr Structure Cover, Type K, Modified	24	EA		
13	Gas and Water Shutoff, Adj, Modified	60	EA		
14	HMA Surface, Rem	12,800	SYD		
15	Hand Patching	340	TON		
16	HMA, 4EML	7,028	TON		
17	HMA, 3EML	1,026	TON		
18	Cold Milling Conc Pavt	28,500	SYD		
19	Curb and Gutter, Conc, Det F2, Modified	1,216	FT		
20	Curb and Gutter, Conc, Det F4, Modified	1,100	FT		
21	Detectable Warning Surface	850	FT		
22	Sidewalk, Conc, 4 inch, Modified	7,400	SFT		

23	Curb Ramp, Conc, 7 inch, Modified	4,500	SFT		
24	Barricade, TYPE III, High Intensity, Double Sided, Ligthed, Furn	18	EA		
25	Barricade, TYPE III, High Intensity, Double Sided, Ligthed, Oper	18	EA		
26	Plastic Drum, Fluorescent, Furn	290	EA		
27	Plastic Drum, Fluorescent, Oper	290	EA		
28	Exploratory Investigation, Vertical, Modified	25	FT		
29	Erosion Control, Inlet Protection, Fabric Drop	50	EA		
30	Gate Valve and Box, 6 inch, Modified	12	EA		
31	Gate Valve and Box, 8 inch, Modified	5	EA		
32	Gate Valve and Box, 12 inch, Modified	1	EA		
33	Hydrant, Rem, Modified	10	EA		
34	Water Main, 12 inch, Cut and Plug	1	EA		
35	Water Main, 12 inch, Tr Det G, Modified	315	FT		
36	Water Main, 8 inch, Tr Det G, Modified	2,080	FT		
37	Water Main, 6 inch, Tr Det G, Modified	2,376	FT		
38	Connection to Existing 4 inch Water Main	1	EA		
39	Connection to Existing 6 inch Water Main	9	EA		
40	Connection to Existing 8 inch Water Main	2	EA		
41	Connection to Existing 10 inch Water Main	1	EA		
42	Hydrant, Complete, 6 inch	10	EA		
43	Water Serv, Long, Modified	2	EA		
44	Water Serv, Modified	87	EA		
45	Water Serv, Private	1	EA		
46	Abandon Existing Water Main, In Place	1	LSUM		

47	Turf Establishment, Performance	900	SYD		
48	Minor Traf Devices	1	LSUM		
49	Traf Regulator Control	1	LSUM		

TOTAL BID _____

Please check the MDOT Work Pre-Qualification Classification that your company holds. Your company and all sub-contractors must hold one of these classifications or your bid will be rejected, upon final review at the MDOT site.

B. CONCRETE PAVING _____

Ba. CONCRETE PAVEMENT PATCHING AND WIDENING _____

J. MISCELLANEOUS CONCRETE ITEMS _____

Cb. HOT MIX ASPHALT/BITUMINOUS PAVING _____

K. SEWER AND WATER MAINS _____

OTHER NOT LISTED _____

In accordance with the provisions of "Public Act 524 of 1980".

I do hereby designate _____ (name of representative) to submit a written request for progress payment during the duration of this contract.

The Contractor shall start work as specified in the Progress Clause, or as directed by the City Engineer. In no case, shall any work commence prior to receipt of formal Notice to Proceed from the City.

The undersigned bidder does hereby declare that the bidder has the legal status checked below:

_____ Individual

_____ Partnership

_____ Corporation

Incorporated under the laws of the State of _____

_____ Limited Liability Company

Formed under the laws of the State of _____

The undersigned does hereby agree to honor this bid until November 12, 2026.

Michigan's Iran Economic Sanctions Act:
The signature below certifies your company is in compliance with the Michigan Iran Economic Sanctions Act as identified on page #39 of this document. Further information on this Act can be viewed at (http://www.state.gov/j/ct/list/c14151.htm and https://www.legislature.mi.gov/(S(qnwpjcm0uyo1f2fhz0w1mlyq))/mileg.aspx?page=GetObject&objectname=mcl-Act-517-of-2012)

_____
(Signature)

_____
(Printed name)

_____
(Title)

This sheet must be included, or the bid will be disqualified.

By submitting a response to this request for proposal, the Contractor agrees to the terms and conditions set forth herein. Any changes made to such terms and conditions by Contractor in its response may result, at the City's sole discretion, in the Contractor's disqualification.

The successful Contractor will conform to all Contract specifications and requirements which are attached and incorporated as part of this bid. The City reserves the right to accept or reject any and all bids, or parts thereof, and to waive any irregularities in the bid except those specifically mentioned in the sealed bid instructions. Additionally, (if applicable) we reserve the right to add or delete any items(s) and/or service from this bid to the best benefit of The City of Saginaw.

By signature, the Contractor acknowledges that the signer below has complete authority to execute the bid on behalf of the Contractor and that the bid is genuine and not collusive in any manner; and that no other bidders were improperly induced to refrain from bidding or induced to submit a sham bid; and that the Contractor agrees to have withheld from any payment due them, any amounts owed for taxes or other charges due the City of Saginaw; and that successful bidders are subject to mandatory City of Saginaw income tax withholdings.

Signed	_____	Address	_____
Name	_____	City, State, Zip	_____
Title	_____	Telephone No:	_____
Company	_____	Fax No.	_____
E-mail	_____	Date:	_____

Check List

Iran Sanctions sheet Signed and included	Yes	No
Bid Form Signed and included	Yes	No
2nd Copy of Bid form included	Yes	No

Applies ONLY if an addendum(s) has been issued for this project

Addendum(s) Cover Sheet		
#1 – 1st page is signed and included	Yes	No
#2 – 1st page is signed and included	Yes	No
#3 – 1st page is signed and included	Yes	No

This sheet must be included, or the bid will be disqualified.

CONTRACT

CITY OF SAGINAW, MICHIGAN

This Contract is entered into on this _ day of _____, 2026, between **(name of contractor),** of _____ (hereinafter "Contractor"), and the City of Saginaw, 1315 S. Washington Avenue, Saginaw, Michigan 48601 (hereinafter "City"), for **2026 Local Road Millage Resurfacing and Water Main Replacement, (C-1723).**

WHEREAS, Contractor, at a regular meeting of the Council of the City of Saginaw, held on May Day 2026, was awarded the contract for furnishing the necessary labor, equipment, materials, and construction for the completion of **2026 Local Road Millage Resurfacing and Water Main Replacement, (C-1723).**

Contractor, in consideration of the Agreement herein made by the City, agrees with the City as follows:

Article 1. SUBJECT MATTER. Contractor shall furnish all the materials, except those specified to be furnished by the City, and perform all the work for **2026 Local Road Millage Resurfacing and Water Main Replacement, (C-1723).** as listed on the Table of Contents, and as shown on the drawings prepared by the Department of Public Services, Engineering Division, and described in the specifications, and in accordance with the general conditions, the general instructions to bidders, the notice inviting sealed proposals and the proposal, all of which are hereby made a part of this Contract by reference as though fully set forth herein. The Contractor acknowledges Contractor has received a copy of all such documents.

Article 2. COMMENCEMENT OF WORK. The Contractor shall start work as specified in the Progress Clause**,** or as directed by the City Engineer and the work shall be carried on with due diligence, at such points and at such times and seasons, and with such force and in such manner as to secure the completion in accordance with the Progress Clause, the time of beginning, rate of progress and the time of completion being essential conditions of this Contract.

Article 3. PAYMENT. It is hereby mutually agreed that the City shall pay, and the Contractor receive, the sum of **$Numerical amount,** same being the amount named in the Contractor's proposal or bid as full compensation for labor and materials required in executing all the work contemplated in this Contract, subject to additions and deductions, as provided in the specifications.

Article 4. ESTIMATES. The City hereby agrees to make payment under the restrictions and limitations herein contained, from time to time, on account of performance of this contract, by orders drawn upon the proper fund of the City, paying NINETY PERCENT (90%) thereof on the basis of estimates made by the Department of Public Services & Engineering semi-monthly as the work progresses, and approved by the City Engineer. Said estimates shall be made in writing and shall only include work done and material in place and shall not include completed work which, in the opinion of the City Engineer, is not advisable, for the protection of the City, at that time to

make payment on, and such estimates may be altogether withheld when, in the opinion of the City Engineer, work does not progress in accordance with the provisions of this Contract; and the making and furnishing of such estimates shall not be deemed or construed as an acceptance of any part of the work under this Contract. The City Engineer may authorize the reduction of the amount so withheld so that total payment equals NINETY-FIVE PERCENT (95%) of the estimate where the City Engineer shall find that the retention of FIVE PERCENT (5%) of the estimate is sufficient to protect the City, but the total amount so retained shall not in any event be reduced to less than FIVE PERCENT (5%) of the contract price above stated.

Article 5. RETENTION OF MONEYS. In addition to the TEN PERCENT (10%) of contract price above retained, to insure the completion of the work, the City reserves the right to retain at all times from the estimates, an amount sufficient to pay and discharge all debts incurred by Contractor, or subcontractor, for labor performed in the progress of the work, and for material purchased and used, and, at its discretion, to pay the same to the parties entitled thereto, and charge the same against the contract price.

Article 6. SEPARATE CONTRACTS. Where two or more separate proposals are grouped together herein, it is expressly agreed that each of said proposals shall constitute a separate contract and that all of the terms, conditions, and provisions of this Contract shall apply to each of said proposals to the same extent and in the same manner as though each of said proposals had been the subject of a separate contract.

Article 7. PUBLIC ACT 524 of 1980. Notwithstanding any provision herein to the contrary, this agreement is subject to 1980 PA 524, which statute is incorporated herein and made a part hereof by reference. Contractor hereby agrees that the City may, at its option, submit the following matters to dispute resolution by an agent agreed to or selected in accordance with the procedures set forth in the statute:

A. At any time during the term of the contract, to determine whether there has been a delay for reasons that were within the control of the Contractor, and the period of time that delay has been caused, continued, or aggravated by actions of the Contractor.
B. At any time after ninety-four percent (94%) of work under the Contract is in place, whether there has been an unacceptable delay by the Contractor in performance of the remaining six percent (6%) of work under the Contract. The agent shall consider the terms in the Contract and procedures normally followed in the industry and shall determine whether the delay was for failure to follow reasonable improvement practices in the industry for completion of the project.

The agent shall have all the rights, powers and duties specified in the statute.

Article 8. ACCEPTANCE AND FINAL PAYMENT. The final payment, including any retainage previously withheld, shall be payable on the approval and acceptance of the work by the City Engineer.

The payment of the final amount due under this Contract, and the adjustment and payment of all bills rendered for the work done in accordance with any alterations of same, shall release the City from any and all claims or liability on account of work performed or materials furnished under the Contract, or any alterations thereof.

The City of Saginaw has an income tax. All successful bidders will be subject to income tax withholdings and compliance is mandatory.

As part of the consideration for this Contract, the undersigned does hereby agree to have withheld from any payments due them, any amounts for taxes, fees or other charges due the City of Saginaw.

By their signatures below, the parties certify the persons signing on behalf of their respective party has the authority to do so. The parties hereto have executed this Contract the day and year first above written.

CONTRACTOR	**CITY OF SAGINAW**
	By:_____
	Timothy Morales
By:_____	**City Manager**
Name: _____	
Title: _____	

CITY OF SAGINAW

SCOPE OF WORK

COS: TJH **1 of 1** **APRIL 2026**

2026 LOCAL ROAD MILLAGE RESURFACING AND WATER MAIN REPLACEMENT, (C-1723).

This work consists of completing approximately three (3) miles of HMA removal and concrete mill to posterior resurface, including the construction of the all ADA ramps associated, structure adjustments, and water main replacement on Arthur Street and Maple Street. The roads to rehab will mention below.

1- Superior St – Michigan Ave St to Arthur St
2- Zauel St – Michigan Ave to Arthur St
3- S Wheeler St – Michigan Ave to Arthur St
4- Grout St – Michigan Ave to Arthur St
5- Maple St – Michigan Ave to Arthur St
6- Niagara St – Michigan Ave to Arthur St
7- Salt St – Michigan Ave to dead_end south
8- Arthur St – Superior St to Niagara St
9- Stanley St – S Wheeler St to Salt St
10- Gilbert St – S Wheeler St to Grout St
11- Gilbert St – S Maple St to Salt St

Traffic control will be the responsibility of the Contractor. All major roads listed will be closed to through traffic with posted detour, while maintaining local access. 48-hour notice to the City is required for all closures. All local roads listed will be closed to through traffic with no posted detour required, while maintaining local access. Patches must be completed and the roadway open to traffic within 72 hours of removals. The contractor shall place temporary pavement markings until permanent pavement markings are placed.

CITY OF SAGINAW

PROGRESS CLAUSE

COD:TJH **1 of 2** **APRIL 2026**

Start work on or after June 15, 2026 or as directed by City Engineer. All contract work for water main replacement must be complete no later than the return of school from summer break or before September 04, 2026 as shown on the Notice to Proceed. The entire project must be open to traffic on or before October 30, 2026. The project completion date for this project is on or before May 31, 2027; this date is to accommodate an establishment period for turf establishment. All contract work except turf establishment must be completed entirely by October 30, 2026. In no case shall any work commence prior to receipt of formal notice of award by the City.

Work is prohibited on City of Saginaw holidays and between the hours of 3 PM the day prior to the holiday and 7 AM the day after the holiday. Unauthorized work performed during prohibited time shall not be paid for.

Friday, July 3rd	Independence Day
Monday, September 7th	Labor Day

Submit a complete, detailed, and signed MDOT Form 1130, Progress Clause. The Progress Schedule shall be submitted to the City of Saginaw five (5) days prior to the meeting.

The progress schedule submittal shall include, at a minimum, the controlling work items for the completion of the project and the planned dates or work days that these work items will be the controlling operations. All contract dates including opened to traffic, the final project completion dates, and any other controlling dates must be included in the project schedule.

Failure by the Contractor to meet interim, final, and/or any stage completion dates will result in the assessment of liquidated damages in accordance with subsection 108.10 of the Standard Specifications for Construction, and the special provisions included in the proposal.

After award and prior to the start of work, the Contractor must attend a pre-construction meeting with the Engineer. The schedule for this meeting will be determined by the Engineer after submittal of MDOT Form 1130. The project Engineer will arrange the day, time, and place for the pre-construction meeting. The meeting will be conducted after project award and may be rescheduled if there are delays in the award of the project.

CITY OF SAGINAW

PROGRESS CLAUSE

COS:TJH 2 of 2 APRIL 2026

The named subcontractor(s) for designated and/or specialty items, as shown in the proposal, is recommended to be at the pre-construction meeting if such items materially affect the work schedule.

No unnecessary stoppages in work will be allowed once work has begun at the site.

Failure on the part of the contractor to carry out the provisions of the Progress Schedule, as established, may be considered sufficient cause to prevent bidding future projects until a satisfactory rate of progress is again established.

CITY OF SAGINAW

SPECIAL PROVISION

FOR

TECHNICAL SPECIFICATIONS

COS:TJH **1 of 1** **APRIL 2026**

The technical specifications for this project shall be in accordance with the 2020 Standard Specifications for Construction of the Michigan Department of Transportation, hereinafter referred to as the "STANDARD SPECIFICATIONS", the latest MDOT standard road plans, and Traffic and Safety standard plans.

The placement of permanent and temporary pavement markings, and temporary signing for work zones shall be in accordance with the Michigan Manual of Uniform Traffic Control Devices, 2011 Edition.

In case of discrepancy, figured dimensions shall govern over scaled dimensions and the parts of the contract will prevail over all other parts in the following order:

1. City, and MDOT Special provisions
2. MDOT Supplemental specifications
3. Project plans and drawings
4. MDOT Standard plans
5. MDOT Standard specifications

CITY OF SAGINAW

BIDDER PRE-QUALIFICATIONS – MDOT

COS:TJH **1 OF 2** **APRIL 2026**

All bidders must be Michigan Department of Transportation (MDOT) prequalified in one of the listed Work Classifications below to bid on this project. If your company or any of the listed sub-contractors is not pre-qualified by MDOT your bid will be rejected. The MDOT site will be checked for compliance.

https://www.michigan.gov/mdot/0,4616,7-151-9625_21539_21545---,00.html

B. CONCRETE PAVING

(Section 602 Standard Specifications)

This work shall consist of constructing a jointed portland cement concrete pavement, base course or shoulder, with or without reinforcement, as specified; large, road work.

Equipment: Major paving equipment (slipform).

Ba. CONCRETE PAVEMENT PATCHING AND WIDENING

(Section 603 Standard Specifications)

This work shall consist of repairing portions of a concrete pavement with portland cement concrete with or without reinforcement, as required, and with the type of joint specified. This would include miscellaneous concrete pavement, widening, turn lanes, and pavement patching and repair.

Equipment: Compaction equipment, drilling machine (dowel bars), forms, concrete saws, self-powered screed.

J. MISCELLANEOUS CONCRETE ITEMS

(Sections 801-804 Standard Specifications)

This work shall consist of constructing concrete curb, curb and gutter, sidewalk, barrier wall, driveways, sidewalk ramps, and other incidental construction.

Equipment: Backhoe, compaction equipment, excavator, forms, loader, paver (C&G slipform).

Cb. HOT MIX ASPHALT/BITUMINOUS PAVING

(Sections 501-504, 805, 806, 814 Standard Specifications)

This work shall consist of preparing the existing pavement and constructing HMA/Bituminous pavements, shoulders, and approaches. Also includes paver placed surface seal, HMA curb, HMA shared-use paths, paved ditches.

Equipment: Pressure distributor, pavers, compaction equipment (pneumatic and vibratory rollers), trucks.

COS:TJH **2 OF 2** **APRIL 2026**

K. SEWERS AND WATER MAINS

(Sections 402 Standard Specifications)

This work shall consist of installing lines of sewer pipe, of the required class and the specified inside diameter and shall include excavation, backfilling, sewer taps, bulkheads, trench undercut and backfill, dewatering system, installing/testing/disinfecting/backfilling water mains.

Equipment: Backhoe, compaction equipment, excavator, forms, loader, paver (C&G slipform).

CITY OF SAGINAW

SUB-CONTRACTOR PRE-QUALIFICATIONS – MDOT

COS:TJH **1 OF 1** **APRIL 2026**

List the MDOT Work Pre-Qualification Classification that your company holds. If the sub-contractor does not hold an MDOT Pre-Qualification they are not allowed to work on the project. If the Prime wants the sub-contract employees to work, they must be on the prime contractor's company payroll with the work pre-qualification.

B. CONCRETE PAVING
Ba. CONCRETE PAVEMENT PATCHING AND WIDENING
J. MISCELLANEOUS CONCRETE ITEMS
Cb. HOT MIX ASPHALT/BITUMINOUS PAVING
K. SEWERS AND WATER MAINS
OTHER

Company Name/Address/Phone	**Pre-Qualification**

NOTICE TO BIDDERS

UTILITY COORDINATION

COS: TJH **1 of 1** **APRIL 2026**

The contractor shall cooperate and coordinate construction activities with the owners of utilities as stated in Section 104.08 of the 2020 MDOT Standard Specifications for Construction. In addition, for the protection of underground utilities, the contractor shall follow the requirements in Section 107.12 of the 2020 MDOT Standard Specifications for Construction. Contractor delay claims, resulting from a utility, will be determined based upon Section 109.05.E of the 2020 MDOT Standards Specifications for Construction.

The following public utilities may have facilities located within the right-of-way:

UTILITY	OWNER	CONTACT PERSON
Gas/Electric	Consumers Energy Co. 2400 Weiss Street Saginaw, MI 48602	Sam Oliveri (gas) (517) 915-8819 Sam.Oliveri@cmsenergy.com Virgie Downs (electric) Cell:(989)245-6241 (989)791-5938 Virgie.Downs@cmsenergy.com Alan Lindquist (transmission) (517)788-0534
Telephone	AT&T 309 S. Washington Ave. Saginaw, MI 48607	Mike McLane C:(810) 938-3143 O:(810) 768-0109 mm6798@att.com
Sewer & Water	City of Saginaw 1701 S. Jefferson Ave. Saginaw, MI 48601	Tony Folino (989) 759-1611 tfolino@saginaw-mi.com
Traffic Signals, Signs, Street lights	City of Saginaw 1435 S. Washington Ave. Saginaw, MI 48601	Joe Nugent (989) 737-5583 jnugent@saginaw-mi.com
Cable/ Television	Charter Communications 1480 S. Valley Center Drive Bay City, MI 48706	Mark Kelly (989) 667-0611 mark.kelly@charter.com

For protection of underground utilities, the Contractor shall dial (800) 482-7171 or 811, a minimum of 3 working days prior to excavating. Members will thus be routinely notified. This does not relieve the Contractor of the responsibility of notifying utility owners who may not be a part of the 'Miss Dig' alert system.

CITY OF SAGINAW

SPECIAL PROVISION

FOR

LIQUIDATED DAMAGES

COS:TJH **1 OF 1** **APRIL 2026**

GENERAL REQUIREMENT

All work shall be accomplished in accordance with section 108 of the Michigan Department of Transportation 2020 Standard Specifications for Construction and as modified herein.

DESCRIPTION

Liquidated Damages per calendar day will be assessed at 100% of the amount indicated below:

SCHEDULE OF LIQUIDATED DAMAGES	
ORIGINAL CONTRACT AMOUNT	**LIQUIDATED DAMAGES (per calendar day)**
$ 0 to $ 100,000	$500
$ 100,000 to $ 500,000	$800
$ 500,000 to $ 1,000,000	$1000
$ 1,000,000 to $ 5,000,000	$1500
$5,000,000 to $15,000,000	$2000
Over $15,000,000	$4000

ASSESSMENT OF LIQUIDATED DAMAGES

Sums assessed as Liquidated Damages shall not be considered penalties, but as damages due the City from the contractor for failure to complete the work within the specified time.

CITY OF SAGINAW
SPECIAL PROVISION
FOR
AGGREGATE BASE

TJH **1** of **1** APRIL 2026

DESCRIPTION
This work shall meet the requirements of sections 302 and 902 of the Standard Specifications for Construction except as herein specified.

The work includes furnishing, loading, hauling, stockpiling, placing, compacting, and shaping the base material at specified locations.

MATERIALS
Materials for **Aggregate Base, __ inch, Modified** shall be 100 percent crushed limestone conforming to Dense-Graded Aggregate 21AA under section 902 of the Standard Specifications for Construction.

No crushed concrete shall be accepted.

CONSTRUCTION
Construction shall be in accordance with subsection 302.03, and section 902 of the Standard Specifications for Construction.

MEASUREMENT AND PAYMENT
The completed work as measured will be paid for at the contract unit price for the following pay item(s).

Pay Item	Pay Unit
Aggregate Base, 4 inch, Modified	Square Yard
Aggregate Base, 8 inch, Modified	Square Yard

Aggregate Base, __ inch, Modified will be measured in place, at the specified depth, by area in square yards and will be paid for at the contract unit price. This price shall be payment in full for all labor, materials, and equipment needed to accomplish this work.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
CONCRETE PAY ITEMS

TJH 1 of 1 APRIL 2026

Description

This work shall be in accordance with sections 801, 802, and 803 of the Standard Specifications for Construction except as modified herein. This special provision indicates the type of concrete mixture to be used for pay items related to concrete.

Materials

Materials for all concrete items shall be Concrete, Grade 3500, in accordance with section 1004 of the Standard Specifications for Construction.

Construction

Construction shall be according to the Standard Specifications for Construction or as directed by the Engineer in the field.

A 4” minimum sand base shall be constructed for all driveways compacted to 95% of maximum unit weight. Sand base shall be MDOT Class II granular material and shall be included in the contract unit price for all sidewalk items. The excavation of subbase material to provide the correct plan grade as shown on the plans shall be included in the payment for Machine Grading, Modified.

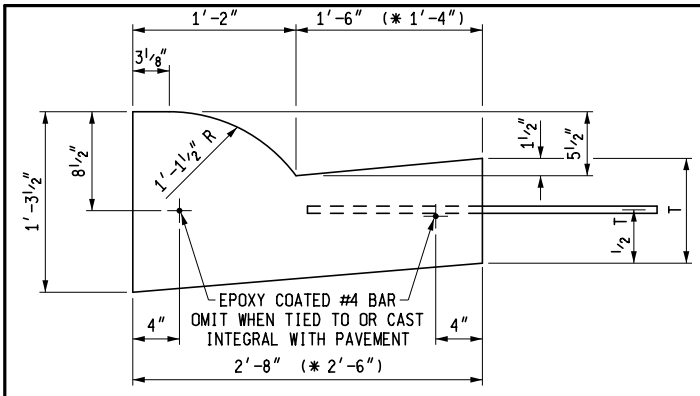
Measurement and Payment

The completed work, as measured, will be paid for at the contract unit price for the following pay item:

Pay Item	Pay Unit
Curb and Gutter, Conc, Det F2, Modified	Foot
Curb and Gutter, Conc, Det F4, Modified	Foot

Payment for each shall include the material, labor and equipment necessary to construct each item according to the plans, specifications and any special provisions included with this contract.

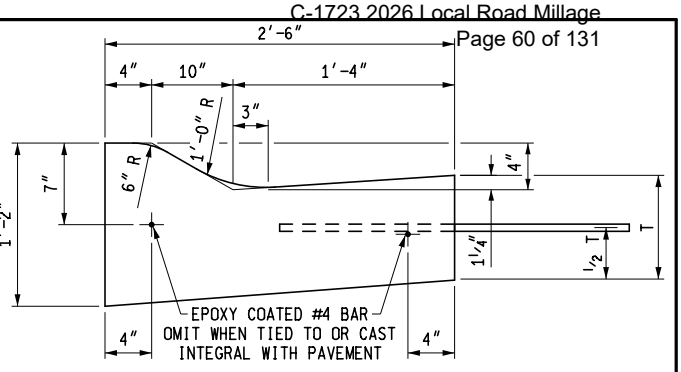
Sand base shall be included in the cost of sidewalk pay items. The excavation of subbase material to provide the correct plan grade as shown on the plans shall be included in the payment for Machine Grading, Modified.



(* GUTTER PAN WIDTH MAY BE REDUCED WHEN APPROVED BY THE ENGINEER)

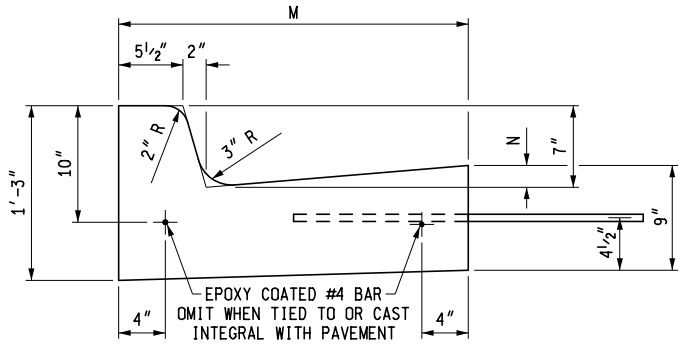
DETAIL	DIMENSION T	LANE TIES	CONCRETE CYD / LFT	CONCRETE CYD / LFT
B1	9″	AS SHOWN	0.0900	(* 0.0855)
B2	9″	OMITTED	0.0900	(* 0.0855)
B3	10″	AS SHOWN	0.0941	(* 0.0894)

B



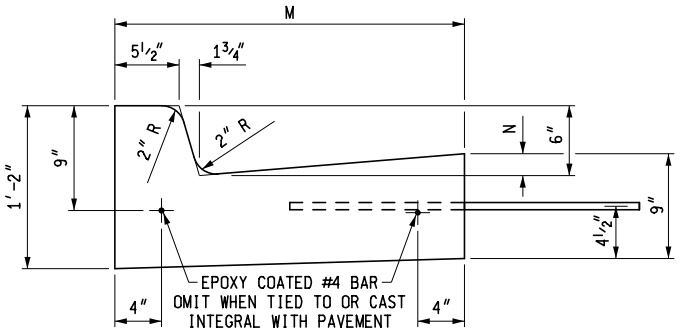
DETAIL	DIMENSION T	LANE TIES	CONCRETE CYD / LFT
D1	9″	AS SHOWN	0.0788
D2	9″	OMITTED	0.0788
D3	10″	AS SHOWN	0.0826

D



DETAIL	DIMENSION M	DIMENSION N	LANE TIES	CONCRETE CYD / LFT
C1	1′-6″	7/8″	AS SHOWN	0.0506
C2	1′-6″	7/8″	OMITTED	0.0506
C3	2′-0″	1 3/8″	AS SHOWN	0.0632
C4	2′-0″	1 3/8″	OMITTED	0.0632
C5	2′-6″	1 7/8″	AS SHOWN	0.0757
C6	2′-6″	1 7/8″	OMITTED	0.0757

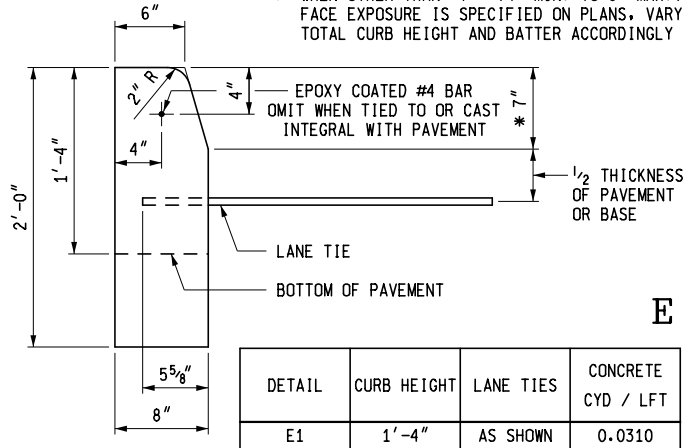
C



DETAIL	DIMENSION M	DIMENSION N	LANE TIES	CONCRETE CYD / LFT
F1	1′-6″	7/8″	AS SHOWN	0.0484
F2	1′-6″	7/8″	OMITTED	0.0484
F3	2′-0″	1 3/8″	AS SHOWN	0.0610
F4	2′-0″	1 3/8″	OMITTED	0.0610
F5	2′-6″	1 7/8″	AS SHOWN	0.0737
F6	2′-6″	1 7/8″	OMITTED	0.0737

F

* WHEN OTHER THAN 7″ (4″ MIN. TO 9″ MAX.) FACE EXPOSURE IS SPECIFIED ON PLANS, VARY TOTAL CURB HEIGHT AND BATTER ACCORDINGLY



E

DETAIL	CURB HEIGHT	LANE TIES	CONCRETE CYD / LFT
E1	1′-4″	AS SHOWN	0.0310
E2	1′-4″	OMITTED	0.0310
E4	2′-0″	OMITTED	0.0477

MDOT Michigan Department of Transportation

PREPARED BY DESIGN DIVISION

DRAWN BY: B.L.T.

CHECKED BY: W.K.P.

DEPARTMENT DIRECTOR
Kirk T. Steudle

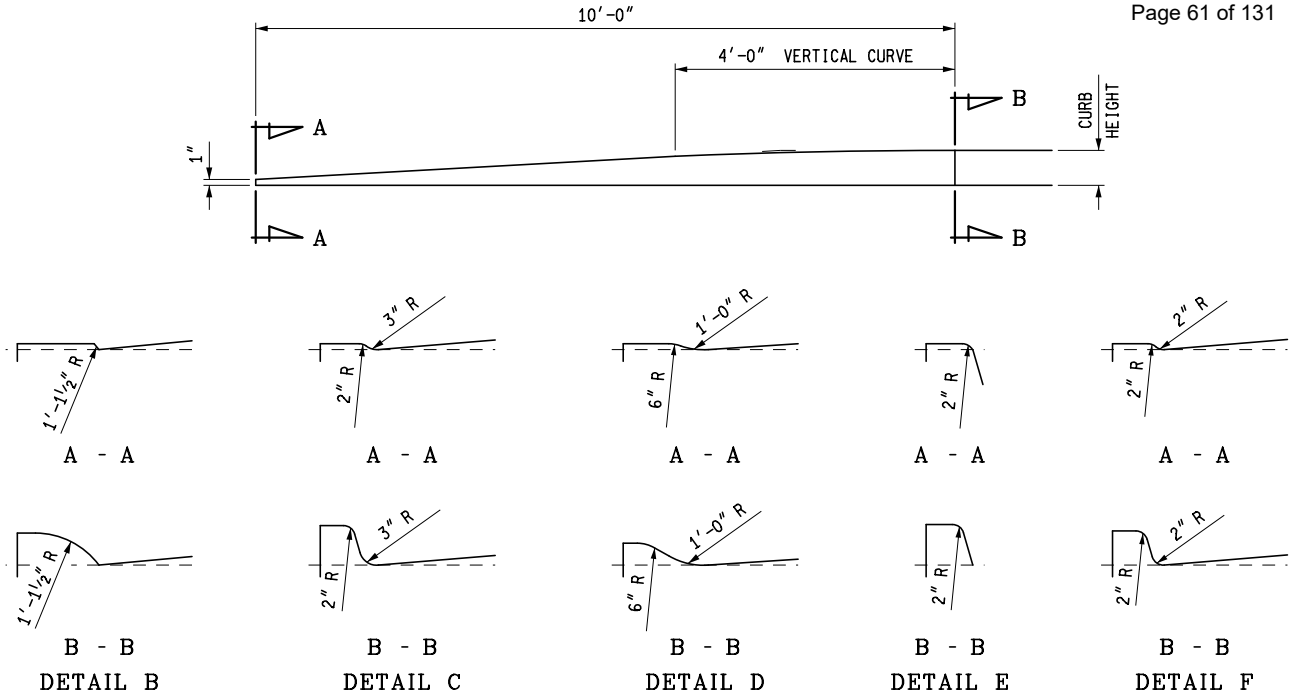
APPROVED BY: _____
DIRECTOR, BUREAU OF FIELD SERVICES

APPROVED BY: _____
DIRECTOR, BUREAU OF HIGHWAY DEVELOPMENT

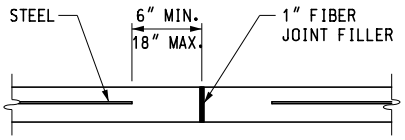
MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

CONCRETE CURB AND CONCRETE CURB & GUTTER

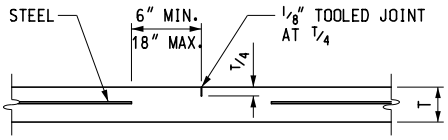
9-30-2014 F.H.W.A. APPROVAL	2-6-2014 PLAN DATE	R-30-G	SHEET 1 OF 2



CONCRETE CURB, CURB AND GUTTER ENDINGS



1″ FIBER JOINT FILLER



CONTRACTION JOINT

NOTES:

CURB AND GUTTER RADII SHALL BE DIMENSIONED TO THE FRONT EDGE OF THE GUTTER PAN OR EDGE OF PAVEMENT.

CONCRETE CURB AND GUTTER ENDINGS WILL BE PAID FOR IN LINEAR FEET OF THE ADJACENT CURB DETAIL.

JOINTS SHALL BE PLACED AT RIGHT ANGLES TO THE EDGE OF CONCRETE CURB AND GUTTER.

JOINTS DETAILED ON THE PLANS SHALL SUPERSEDE THOSE SPECIFIED ON THIS STANDARD PLAN.

BOTTOM SLOPE OF CURB AND GUTTER STRUCTURE MAY BE THE SAME SLOPE AS BOTTOM OF PAVEMENT. BACK OF CURB AND VERTICAL EDGE OF GUTTER PAN MAY HAVE A MAXIMUM ½″ BATTER TO FACILITATE FORMING.

WHEN CURB AND GUTTER IS CAST INTEGRALLY, SEE CURRENT STANDARD PLAN R-31-SERIES.

ALL JOINTS FOR CURB OR CURB AND GUTTER ARE INCLUDED IN THE PAY ITEM FOR THE CURB OR CURB AND GUTTER.

JOINTS IN CURB OR CURB AND GUTTER NOT TIED TO CONCRETE PAVEMENT; ADJACENT TO CONCRETE BASE COURSE; OR ADJACENT TO HMA PAVEMENT:

A. PLACE 1″ FIBER JOINT FILLER AT 400′ MAXIMUM INTERVALS.

B. PLACE 1″ FIBER JOINT FILLER AT SPRING POINTS OF INTERSECTING STREETS.

C. PLACE ½″ ISOLATION JOINT AT CATCH BASINS PER STANDARD PLAN R-37-SERIES.

D. PLACE CONTRACTION JOINTS AT 40′ MAXIMUM INTERVALS.

JOINTS IN CURB OR CURB AND GUTTER TIED TO JOINTED PAVEMENT

A. PLACE 1″ FIBER JOINT FILLER OPPOSITE ALL TRANSVERSE EXPANSION JOINTS IN PAVEMENT.

B. PLACE ½″ ISOLATION JOINT AT CATCH BASINS PER STANDARD PLAN R-37-SERIES.

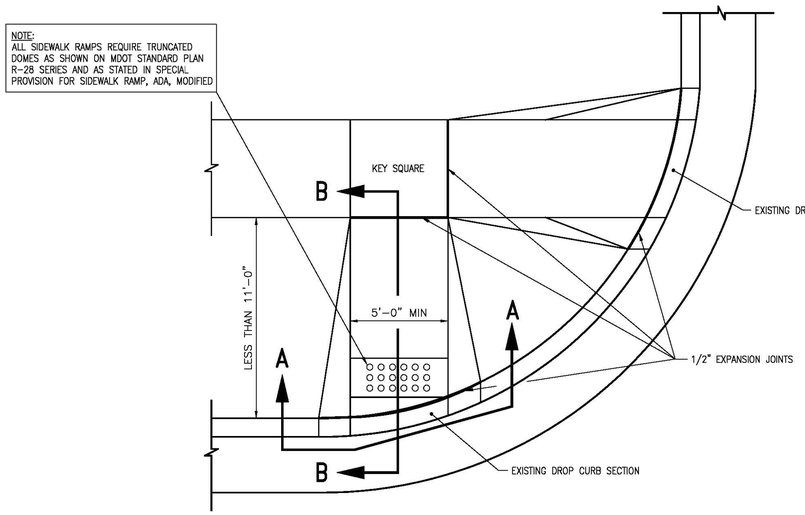
C. PLACE CONTRACTION JOINTS OPPOSITE ALL TRANSVERSE CONTRACTION JOINTS IN PAVEMENT.

D. A SYMBOL (B) JOINT SHALL BE PLACED BETWEEN CURB OR CURB AND GUTTER AND ADJACENT CONCRETE PAVEMENT AS SPECIFIED ON STANDARD PLAN R-41-SERIES.

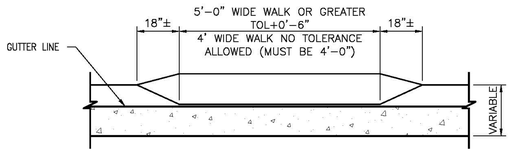
MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

CONCRETE CURB AND CONCRETE CURB & GUTTER

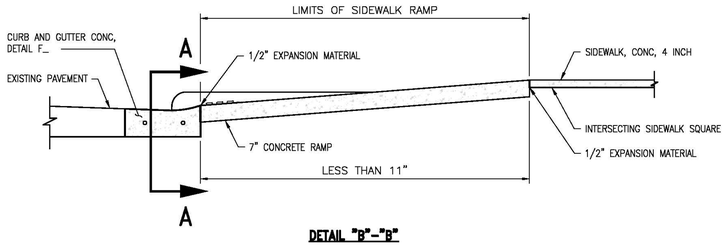
9-30-2014 F.H.W.A. APPROVAL	2-6-2014 PLAN DATE	R-30-G	SHEET 2 OF 2



PLAN VIEW



DETAIL "A"-"A"

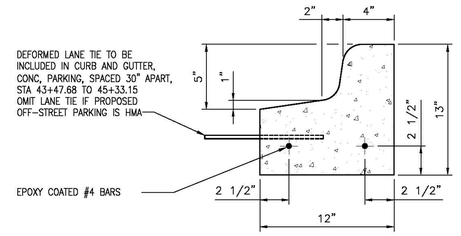


DETAIL "B"-"B"

NOTE:
ALL GRADING AND EXCAVATION NECESSARY TO CONSTRUCT SIDEWALK AS SHOWN, WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED AS PART OF SIDEWALK AND RAMP PAY ITEMS.

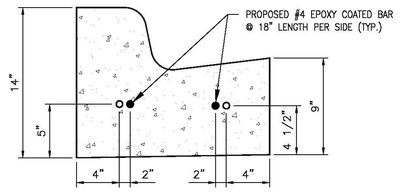
ADA HANDICAP RAMP DETAILS

NO SCALE ADA.DWG



CURB AND GUTTER, CONC, PARKING

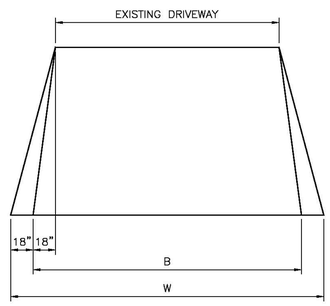
NO SCALE CURBGUT.DWG



NOTE: IN AREAS WHERE CONTRACTOR IS REPLACING EXISTING CURB WITH NEW CURB. CONTRACTOR SHALL DRILL EXISTING CURB AND INSTALL 2-#4 EPOXY COATED BARS PER EACH SIDE OF NEW CURB AS DIRECTED BY THE ENGINEER. COST TO PERFORM THIS WORK SHALL BE INCLUDED IN CURB AND GUTTER, CONC, DETAIL F2.

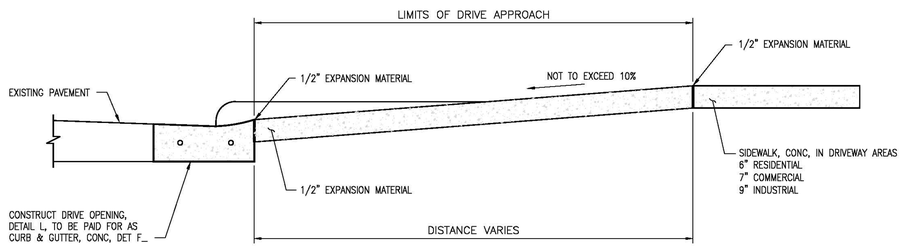
CURB REPLACEMENT DETAIL

NO SCALE CURBREP.DWG



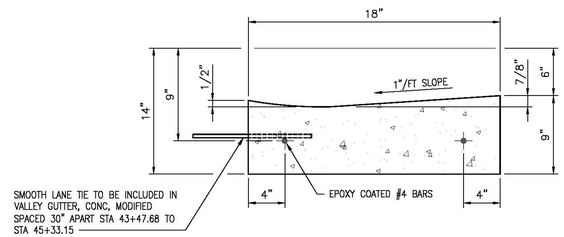
DRIVEWAY APPROACH PLAN

NO SCALE DRVAPP.DWG



DRIVEWAY APPROACH CROSS SECTION

NO SCALE DRVAPP.DWG



VALLEY GUTTER, CONC, MODIFIED

NO SCALE VALGUT.DWG

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

PAVEMENT AND CURBS
C-1723 **2026 LOCAL** ROAD **MILLAGE RESURFACING**

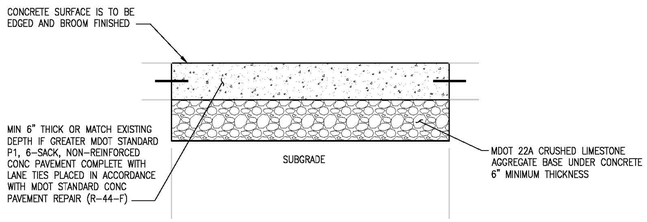
DESIGNED BY JMG
DRAWN BY RS/JDT/KIP/DEH/JTC
CHECKED BY JMG
APPROVED BY DWH

CONSTRUCTED
DATE OF PLAN
SCALE NOT TO SCALE
SHEET ____ OF ____ SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL DWSRF PROJECT	ITEM	SHEET NO.
.				62

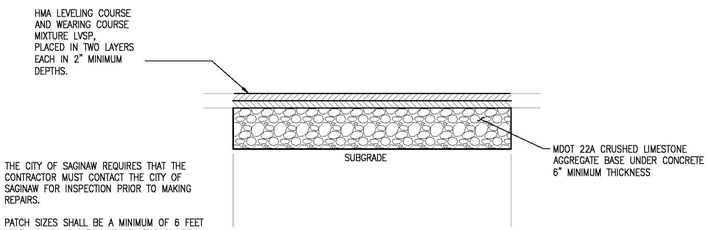
PLOT DATE:
DRAWING PATH:



THE CITY OF SAGINAW REQUIRES THAT THE CONTRACTOR MUST CONTACT THE CITY OF SAGINAW FOR INSPECTION PRIOR TO MAKING REPAIRS.

PATCH SIZES SHALL BE A MINIMUM OF 6 FEET WIDE. MINIMUM PATCH LENGTH SHALL BE BETWEEN NEAREST LONGITUDINAL JOINTS.

CONCRETE PATCH
NO SCALE

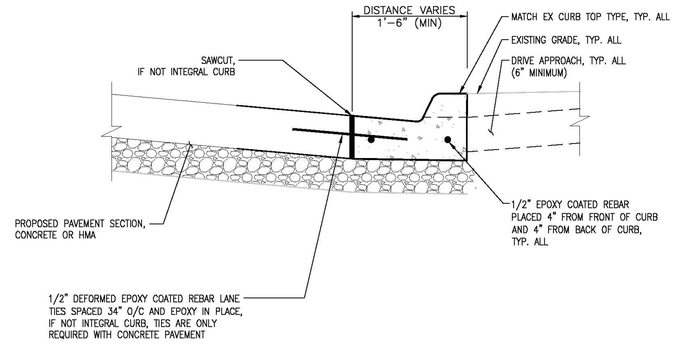


THE CITY OF SAGINAW REQUIRES THAT THE CONTRACTOR MUST CONTACT THE CITY OF SAGINAW FOR INSPECTION PRIOR TO MAKING REPAIRS.

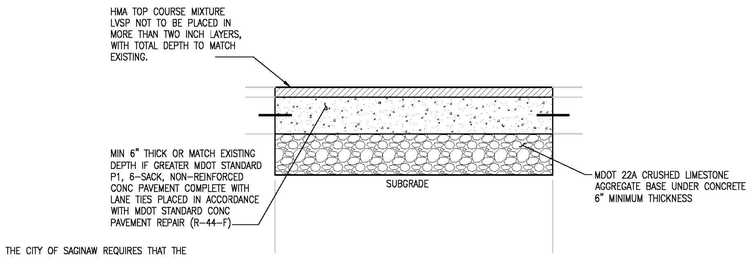
PATCH SIZES SHALL BE A MINIMUM OF 6 FEET WIDE. MINIMUM PATCH LENGTH FOR SHORT LEADS SHALL BE FROM CURB EDGE OF METAL TO ROAD CENTERLINE. MINIMUM PATCH LENGTH FOR LONG LEADS SHALL BE FROM CURB EDGE OF METAL TO OPPOSITE CURB EDGE OF METAL.

TACK COAT BETWEEN ALL COARSES (BOND COAT SHALL BE PER M.D.O.T. STANDARDS)

HMA PATCH
NO SCALE



TYPICAL CONCRETE OR HMA PAVEMENT AND CURB DETAIL
NO SCALE

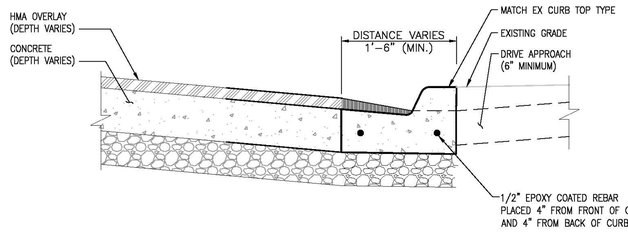


THE CITY OF SAGINAW REQUIRES THAT THE CONTRACTOR MUST CONTACT THE CITY OF SAGINAW FOR INSPECTION PRIOR TO MAKING REPAIRS.

PATCH SIZES SHALL BE A MINIMUM OF 6 FEET WIDE. MINIMUM PATCH LENGTH SHALL BE BETWEEN NEAREST LONGITUDINAL JOINTS.

TACK COAT BETWEEN ALL COARSES (BOND COAT SHALL BE PER M.D.O.T. STANDARDS)

COMPOSITE PAVEMENT PATCH (CONCRETE BASE WITH HMA OVERLAY)
NO SCALE



* EXISTING COMPOSITE PAVEMENT (CONCRETE BASE WITH HMA OVERLAY) MUST BE REPLACED WITH CONCRETE TO A DEPTH OF NO MORE THAN 2" FROM THE FINISHED GRADE AND WILL NOT HAVE A FINISHED SURFACE. THEN PLACE ASPHALT TO MATCH PAVEMENT GRADE AND OVERLAY EXISTING GUTTER AND COMPACT WITH A PLATE COMPACTOR.

TYPICAL COMPOSITE PAVEMENT WITH INTEGRAL CURB DETAIL (OVERLAYED GUTTER PAN)
NO SCALE

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

PAVEMENT

C-1723 2026 LOCAL ROAD MILLAGE RESURFACING

DESIGNED BY JMG
DRAWN BY RS/JDT/KIP/DEH/JTC
CHECKED BY JMG
APPROVED BY DWH

CONSTRUCTED
DATE OF PLAN NOV. 2021
SCALE NOT TO SCALE
SHEET ____ OF ____ SHEETS

REVISION: DATE / INITIALS

BID NUMBER	JOB NO.	FEDERAL DWSRF PROJECT	ITEM	SHEET NO.
				63

PLOT DATE: January 21, 2022
DRAWING PATH: Q:\PROJ2021\L3044152021 - DOE DWSRF LEAD SERVICE LINE REPLACEMENTS\CAD_GIS

CITY OF SAGINAW
SPECIAL PROVISION
FOR
CONCRETE SIDEWALK

COS:TJH **1 of 2** **APRIL 2026**

DESCRIPTION

This work consists of furnishing and installing sidewalk and sidewalk ramps at intersections in accordance with section 803 the Standard Specifications for Construction, MDOT Standard Plan R28-K, and MDOT Standard Plan R-29-J except as modified herein.

MATERIALS

Material provided for sidewalk and curb ramps shall be in accordance with subsection 803.02 of the Standard Specifications for Construction with the following exception: Materials for all concrete items shall be Concrete, grade 3500 Six Full Sack Mix, in accordance with section 1004 of the Standard Specifications for Construction.

The detectable warning shall be composite inlays installed, according to the manufacturer's instructions and MDOT Standard Plan R-28-K. Color shall be brick-red dip finish, as approved by the Engineer.

CONSTRUCTION

Prior to beginning construction, the Contractor shall submit the name and plant location of the proposed concrete supplier for the project.

Prior to beginning construction, the Contractor shall submit mix designs for the proposed concrete mixtures proposed for use on the project for the Engineer to review.

A 4-inch minimum sand base shall be constructed for all sidewalks and shall be compacted to 95 percent of maximum unit weight. Sand base shall be MDOT Class II granular material.

MEASUREMENT AND PAYMENT

The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

Pay Item	Pay Unit
Sidewalk, Conc, 4 inch, Modified	Square Foot
Curb Ramp, Conc, 7 inch, Modified	Square Foot
Detectable Warning Surface	Foot

Payment for the 4-inch minimum sand base shall be included in the contract unit price for all sidewalk items.

All grading required to meet ADA standards shall be included in the items listed above.

The contract unit price for sidewalk and ramp includes placement of sand base, furnishing, placing, and curing concrete; furnishing and placing expansion joints; furnishing and placing backfill regardless of amount.

Curb ramp pay items shall include construction of rolled curb or “E” curb that is installed to alleviate steep ground grades.

CITY OF SAGINAW
SPECIAL PROVISION
FOR
STRUCTURE ADJUSTMENTS

COS:TJH **Page 1 of 2** **APRIL 2026**

DESCRIPTION
This work shall be done in accordance with section 403 of the Standard Specifications for Construction, the detail sheet in the Plans, and as modified herein.

This item shall include adjusting manhole castings and covers to the grades as directed by the Engineer. It shall also address areas where additional depth is required to adjust structures greater than six inches.

MATERIALS
Materials for all concrete items shall be in accordance with section 1004 of the Standard Specification for Construction.

The cover shall be sealed to the structure using a heat shrinkable sleeve system, Boa Tape, or a rubber seal system such as Wrapid Seal, Canusa, Infi-Shield, Cretex “X-85”, or Engineer-approved equal. The seal shall extend down the cover and adjusting brick as shown within the detail sheet in the Plans and as recommended by the manufacturer. Where required, galvanized steel compression bands or manufacturer recommended coupling system shall be used for extension sleeves.

CONSTRUCTION
This work shall be performed only when all asphalt has been placed. The adjacent pavement shall be cored and placed to the original elevation with concrete, grade 3500.

Where additional depth of replacement greater than 6 inches is required, the work to replace pre-cast sections of the structure shall be completed prior to paving. Final adjustments will be made only when all asphalt has been placed except for the top course. This work will occur in two separate operations.

Use of brick or block to reach final elevations and repair damaged structures will be allowed to a maximum depth of 12 inches. For work in excess of 12 vertical inches, all components must be pre-cast in conformance with the City of Saginaw Alterations to the Municipal Combined Sewer System special provision requirements and as shown in the Plans.

MEASUREMENT AND PAYMENT
The completed work as measured will be paid for at the contract unit price for the following pay item(s).

Pay Item	Pay Unit
Dr Structure Cover, Adj, Case 1, Modified	Each
Dr Structure, Adj, Add Depth	FOOT
Dr Structure Cover, Type K, Modified	Each

Dr Structure Cover, Adj, Case 1, Modified will be measured by units of each and will be paid for at the contract unit price per each. This price shall be payment in full for all labor, equipment, and materials needed to accomplish this work.

CITY OF SAGINAW
SPECIAL PROVISION
FOR
STRUCTURE ADJUSTMENTS

COS:TJH **Page 2 of 2** **APRIL 2026**

Dr Structure Cover, Adj, Case 1, Modified includes the cost of the following:

1. Coring existing pavement.
2. Adjusting the cover up or down, no greater than 6 inches.
3. Removing and replacing pavement adjacent to the adjusted cover.
4. Concrete 3500 collar.

The Department will pay separately for removing and replacing curb and gutter adjacent to the adjusted structure.

The unit price for **Dr Structure Cover, Adj** of the case required includes the cost of repairs for uniform contact of temporary steel plate to the top of structures. The Engineer will measure **Dr Structure, Adj, Add Depth** of the required diameter and depth beginning 6 inches from the level of the existing structure, in the direction of adjustment, to the limit of the additional adjustment depth. If the contract includes a pay item for **Dr Structure, Adj, Add Depth**, the contract will also include a pay item for **Dr Structure Cover, Adj** of the case required. The unit price for **Dr Structure, Adj, Add Depth** includes the cost of drainage structure taps within the limits of the adjustment.

CITY OF SAGINAW
SPECIAL PROVISION
FOR
SHUTOFF AND MONUMENT BOX ADJUSTMENTS

COS:TJH **1** of **1** APRIL 2026

DESCRIPTION
This work shall include the proper setting and adjusting of existing monument boxes and water and gas valve castings and covers to the grades as directed by the Engineer.

This work shall be done in accordance with sections 403, 821, and 823 of the Standard Specifications for Construction and as modified herein.

MATERIALS
Provide material in accordance with subsections 403.02, 821.02 and 823.02 of the Standard Specifications for Construction.

CONSTRUCTION
This work shall be performed only when all asphalt has been placed. The adjacent pavement shall be cored and placed to the original elevation with concrete, grade 3500 per the detail in the plans.

MEASUREMENT AND PAYMENT
The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

Pay Item	Pay Unit
Gas and Water Shutoff, Adj, Modified	Each
Monument Box Adj, Modified	Each

This item will be measured by the unit of each and will be paid for at the contract unit price per each.

Payment for coring, removal, and replacement of pavement adjacent to the adjusted gas, water shutoff, or monument box is considered included in the pay items listed herein.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
MAINTAINING TRAFFIC

COS:TJH **1 of 2** **APRIL 2026**

General Requirements

This work shall be performed in accordance with the requirements of Sections 104.07C, 104.11, 812 and 922 of the Michigan Department of Transportation Standard Specifications for Construction and as herein specified. The contractor is advised that the 2011 Michigan Manual on Uniform Traffic Control Devices is hereby established as governing all work in connection with traffic control devices, barricade lighting, etc., required on this project.

The Contractor shall furnish, erect, and maintain any traffic control devices, temporary signs, and temporary pavement markings necessary to accomplish the maintenance of traffic in a safe manner. Traffic Regulators shall be used whenever necessary to assist in traffic flow and shall be included for payment under the item Traffic Regulator Control. Upon completion of the work, the contractor shall remove all temporary signs and traffic control devices.

The Contractor shall provide 24-hour emergency contacts to the Engineer. During non-working periods, the Contractor shall have a maximum two-hour response time for addressing issues within the work zone.

Walks, driveways, and entrances to buildings shall not be unnecessarily blocked. Vehicular access shall be maintained to all commercial and residential properties as directed by the Engineer. Unless otherwise specified herein, construction shall be completed in such a manner so as to maintain the required entrance width for traffic at all times. Maintenance gravel, if required, shall not be paid separately and will be considered incidental to the maintaining traffic items. The Contractor may use roadway millings as a means to maintain temporary access through and within the project site, as approved by the Engineer.

All diamond shaped warning signs shall be 36” x 36”. All temporary signs shall be mounted at a minimum seven-foot bottom height.

For HMA paving, no traffic shall be allowed on the surface being placed until rolling has been completed and the surface has cooled sufficiently to prevent damage from traffic. The contractor shall provide traffic regulators in sufficient number to maintain traffic as described herein, to keep traffic off sections being surfaced, and to provide for safe travel at all times.

Traffic Restrictions

The following road to be resurfaced will be closed to through traffic as follows:

Superior St – Michigan Ave St to Arthur St
Zauel St St – Michigan Ave to Arthur St
S Wheeler St – Michigan Ave to Arthur St
Grout St – Michigan Ave to Arthur St
Mapple St – Michigan Ave to Arthur St

Niagara St – Michigan Ave to Arthur St
Salt St – Michigan Ave to dead_end south
Arthur St – Superior St to Niagara St
Stanley St – S Wheeler St to Salt St
Gilbert St – S Wheeler St to Grout St
Gilbert St – S Maple St to Salt St

Access to homes and businesses within each road will be maintained.

Specific Requirements

The Contractor will be responsible for coordinating construction activities with local businesses, keeping them advised in advance of any construction activities which will affect vehicular and pedestrian movements to their business.

The Contractor is responsible for the collection and transport of rubbish and yard waste from the residents' normal curb-side pick-up point to the nearest adjacent intersection outside the project limits on trash pick-up day if access by the waste hauler is not feasible. The collection and transport of the rubbish and yard waste must be completed by 8:00 am on trash pick-up day. The collection and transport of the rubbish and yard waste is considered incidental to other Maintaining Traffic pay items.

No work shall be performed between the hours of 10:00 pm and 7:00 am in accordance with City Ordinance. No deviation from these restrictions will be allowed unless otherwise approved by the Engineer.

Measurement and Payment

The Maintaining Traffic Pay Items will be paid for at the Contract Unit Price in accordance with the MDOT 2020 Standard Specifications for Construction, which shall be payment in full for all labor, material, and equipment needed to accomplish this work. All traffic control item quantities are based on the maximum amount required at any time for one street. All items shall be used one street at a time and moved when that street is completed.

Payment for temporary signs will be made based on the maximum square feet of dissimilar sign legends in use at any one time during the project.

Payment for barricades, lighted arrows, and plastic drums will be made based on the maximum number in use at any one time during the project.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
HOT MIX ASPHALT (HMA) APPLICATION ESTIMATE

COS:TJH **1 of 1** **APRIL 2026**

DESCRIPTION

This work shall be done in accordance with the requirements of Division 5 of the Michigan Department of Transportation Standard Specifications for Construction except as modified herein.

CONSTRUCTION METHODS

Testing performed in accordance with Section 501.03.N will apply for this project.

MATERIALS

Top course shall be **HMA, 4EML** with an estimated thickness of 1.5 inches and a yield of 165 pounds per square yard (lbs/syd) placed in one lift. Aggregate Wear Index number shall be 260. The Performance Grade asphalt binder range for the Mixture shall be PG 64-28.

Leveling course shall be **HMA, 4EML** with an estimated thickness of 1.5 inches and a yield of 165 pounds per square yard (lbs/syd) placed in one lift. The Performance Grade asphalt binder range for the Mixture shall be PG 64-28.

Base course shall be **HMA, 3EML** with estimated thickness of 3 inches and a yield of 330 pounds per square yard (lbs/syd) placed in one lift. The Performance Grade asphalt binder range for the Mixture shall be PG 64-28.

Hand Patching shall be **HMA, 13A** and shall be placed with an average yield of 440 lbs/syd placed in two lifts. The Performance Grade asphalt binder range for the Mixture shall be PG 58-28.

The HMA bond coat mixture shall be per Section 501. The application rate on existing or between courses shall be 0.05 to 0.15 gallons per square yard. The HMA bond coat mixture will not be paid for separately, but will be included in HMA pay items.

Measurement and Payment

Measurement and payment shall be at the contract unit price per ton. No additional payment will be made for HMA bond coat mixture.

Pay Item	Pay Unit
Hand Patching	Ton
HMA, 4EML	Ton
HMA, 3EML	Ton

Payment for each shall include the material, labor and equipment necessary to construct each item according to the plans, specifications and any special provisions included with this contract.

CITY OF SAGINAW
SPECIAL PROVISION
FOR
PAVEMENT REMOVALS

COS:TJH **1 of 2** **APRIL 2026**

DESCRIPTION

Work includes the removal and disposal of existing pavement and driveways as specified on the plans, in the Proposal, or as directed by the Engineer. Work shall be performed in accordance with section 204 of the Standard Specifications for Construction, except that additional payment will not be made for multiple layers of pavement or driveway regardless of thickness and type of pavement.

MATERIALS

None specified.

CONSTRUCTION

Construction shall be in accordance with subsection 204.03 of the Standard Specifications for Construction.

Pavement removal shall be to an existing joint or to a sawed joint as shown on plans or as directed by the Engineer.

Driveway removal shall be directed onsite by the Engineer.

MEASUREMENT AND PAYMENT

The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

Pay Item	Pay Unit
Pavt, Rem, Modified	Square Yard

Payment for sawcutting, if required, will be included in the related removal pay item and will not be paid for separately.

Removal of driveway curb shall be included in the driveway removal pay item.

The removal of integral curb will be measured and paid for as **Pavt, Rem, Modified** and will not be paid for separately.

Pavement, Removal. The limits of Pavt, Rem, as shown on the plans, will be established at the discretion of the Engineer. The Engineer may decide to leave areas in place or remove additional sections to attain the required cross section and base. The Engineer will measure Pavt, Rem in accordance with the following criteria:

1.HMA Pavements and HMA Driveways. The Department will pay separately for the removal of curb, curb and gutter, or gutter in conjunction with removing hot mix asphalt (HMA) pavements or HMA driveways.

a. HMA No Greater Than 12 Inches Thick. The Engineer will measure the removal of HMA surface no greater than 12 inches thick overlying a material designated for removal or that is required to remain in place, as HMA Surface, Rem in accordance with subsection 501.04.H. The Engineer will measure the removal of the underlying material separately.
b. HMA Greater Than 12 Inches Thick. The Engineer will measure the removal of HMA surface, greater than 12 inches thick, overlying a material designated for removal or that is required to remain in place, as Pavt, Rem. The Engineer will measure the removal of the underlying material separately.

2. Concrete and Masonry Pavements and Concrete Driveways. The Engineer will measure the removal of concrete and masonry pavements and concrete driveways as Pavt, Rem.

If concrete or masonry pavements are encountered under the pavement being removed, the Engineer will measure each type of additionally encountered pavement at the unit price for Pavt, Rem.

The City will consider a concrete overlay a separate pavement.

The Engineer will measure the removal of curb, curb and gutter, or gutter in conjunction with removing concrete or masonry pavement or concrete driveways, as Pavt, Rem.

Curb, Removal; Gutter, Removal; or Curb and Gutter, Removal. The Engineer will measure Curb, Rem; Gutter, Rem; and Curb and Gutter, Rem if included as separate pay items and not removed in conjunction with pavement or driveway removal along the base of the curb face or along the flowline of the gutter.

The unit prices for Curb, Rem; Gutter, Rem; and Curb and Gutter, Rem include the cost of removing downspout headers.

Sidewalk, Removal. The unit price for Sidewalk, Rem includes the cost of removing and disposing of sidewalk 6 inches thick or less. The Engineer will measure sidewalk greater than 6 inches thick as Pavt, Rem in accordance with subsection 204.04.B.

CITY OF SAGINAW
SPECIAL PROVISION
FOR
TURF ESTABLISHMENT

COS:TJH **1** of **6** APRIL 2026

DESCRIPTION

Section 816 of the Standard Specifications for Construction is deleted and replaced by this special provision. The Contractor shall be responsible for the performance and quality of turf growth in the areas indicated on the plans and as identified by the Engineer. The Contractor shall comply with all state and federal laws and regulations in completing this work.

The Contractor shall establish a durable, permanent, weed-free, mature, perennial turf. The work consists of fundamental turf work, including but not limited to topsoiling, seeding, mulching, erosion control, maintenance, and repair of turf as described herein during the life of the contract.

The Contractor shall choose and implement proven turf establishment industry practices; provide all necessary labor and equipment; select and provide all turf establishment materials; and control erosion and any subsequent sedimentation at all times.

The Contractor shall be responsible for a site analysis and its interpretation for their own use to ensure compliance with this special provision. The site analysis will take into consideration topsoil needs, fertilizer and pH requirements, seed mix, existing and future soil moisture levels, slopes and grades, required erosion control items and devices, maintenance requirements, local highway snow deicing practices, and any other characteristics that influence and affect turf establishment.

Subsection 107.11 of the Standard Specifications for Construction is revised relative to the Contractor's responsibility for the repair of turf establishment work as follows. The Contractor shall be responsible, at no additional cost to the contract, for the repair of turf establishment work occasioned by storm events up to and including 3 inches of rain in a 24-hour period as documented by local meteorological data submitted to the Engineer for review and approval. All other portions of subsection 107.11 remain unchanged.

REQUIREMENTS

1) All turf establishment materials shall be wildlife safe.

2) The Contractor shall possess valid Michigan Department of Agriculture commercial pesticide applicator's certificate for right-of-way category.

3) All herbicide applications shall be made by a commercial applicator licensed in the State of Michigan.

a) All individuals applying pesticides shall possess a valid Michigan Department of Agriculture commercial pesticide applicator's certificate for the appropriate category.

b) All application procedures and materials shall meet all federal, state, and local regulations.

4) At least 10 days prior to start of turf establishment, the Contractor performing the turf establishment work shall provide the Engineer with documentation that they will meet one or both of the following requirements:

a) At least one person employed by the Contractor and assigned to the job site shall have a degree or certificate in Turf Management, Horticulture, or related field.

b) At least one person employed by the Contractor and assigned to the job site shall have at least five (5) years of experience in roadside turf establishment.

MATERIALS

The Contractor shall use topsoil, seed, mulch, pesticide, herbicide and/or mulch blankets, and any other unique erosion control materials as necessary to fulfill this special provision, as detailed in the plans, and as indicated in the work plan. The Contractor may use additional materials as necessary to meet the standards set forth for turf establishment in this special provision. The use of any sod on the project requires the prior approval of the Engineer and if approved, may be used at limited site locations only.

Selection of all materials is the responsibility of the Contractor with the following minimum conditions:

1) Soil.

a) The Contractor shall provide furnished or salvaged topsoil which may be blended compost that will provide vigorous growth.

i) It shall be humus bearing and of not less than 4 inches in depth.

ii) It shall be free of stones larger than 1 inch in diameter and other debris.

iii) The finished slope shall be trimmed and graded according to subsection 205.03.N of the Standard Specifications for Construction.

2) Seed.

a) The Contractor shall use a seeding mixture that is composed of a blend of four or more species of perennial grass.

i) All species and their cultivars or varieties shall be guaranteed hardy for Michigan.

ii) The seed shall be legally saleable in Michigan.

iii) The seed product shall not contain more than 10 percent inert materials.

iv) The seed source shall be from a MDOT approved certified vendor.

The following is a list of recommended species of perennial grasses: Kentucky Bluegrass, Perennial Ryegrass, Hard Fescue, Creeping Red Fescue, Chewings Fescue, Turf-type Tall Fescue, Buffalo grass, and Alkaligrass-Fults Puccinellia distans.

The cultivars or varieties of grasses selected shall be disease and insect resistant and good color. No one species in the blend shall be more than 25 percent of the mixture by weight. No one species in the blend shall be less than 5 percent of the mixture by weight. No grass species selected shall be considered noxious or objectionable, such as Quack Grass, Smooth Brome, Orchard Grass, Reed Canary Grass, and others.

b) The species and varieties of seed shall be adapted to all site conditions, to the site use, and to the soils, moisture, and local climate.

i) Site use may include but is not limited to detention pond, wildlife habitat, playground, wetlands, forested wetland, rural roadside, urban roadside, and maintained front yard.

c) At least two of the species in the mixture proposed to be planted within 15 feet behind the curb or the shoulder shall be salt tolerant.

3) Mulch.

a) Seeded areas shall be mulched with the appropriate materials for the site conditions, shall promote germination and growth of seed and to mitigate soil erosion and sedimentation.

4) Herbicides.

a) The Contractor shall comply with all federal, state, and local laws as noted in the Standard Specifications for Construction, section 107.

b) A weed control application will require the Contractor to make proper notifications and/or postings as per label and MDA requirements for all locations that will be sprayed.

c) The Contractor will also notify selected City of Saginaw staff 48 hours prior to any applications being made.

d) The Contractor shall furnish and apply herbicide(s) as needed.

e) It shall be the Contractor's responsibility to select the herbicide(s) and the rate at which it will be used.

f) The work and herbicide(s) shall be approved by the Engineer prior to the application of the material.

g) A spray log will be required to be completed and submitted to the project office, each day an application is made.

h) No water shall be drawn from any waterway (i.e. river, ditch, creek, lake etc.) that is located on any state, county, or municipal right-of-way for mixing with herbicides.

5) Fertilizers.

a) The Contractor shall furnish and apply fertilizer(s) as needed.

b) It shall be the Contractor's responsibility to select the fertilizer(s) and the rate at which it will be used.

c) The work and fertilizer(s) shall be approved by the Engineer prior to the application of the material.

6) Water.

a) The Contractor shall furnish and apply water from an approved source as specified in the work plan at a rate of promote healthy growth.

CONSTRUCTION

The Contractor shall be responsible for all work and any and all construction methods used in completing this work. Any part of the Standard Specifications for Construction or MDOT Standard Plans chosen to be implemented by the Contractor shall not imply responsibility on the part of the City of Saginaw for acceptability of the Contractor's construction methods or for the quality of the Contractor's work outcome at any time.

1) Inspection of the work

a) The Contractor shall be responsible for all inspection of turf establishment work.

b) The Contractor shall use a Contractor's Daily Report approved by the Engineer to report inspections made and to document turf establishment work performed on this project.

i) The Contractor's Daily Report shall be completed and submitted to the Engineer when

any work performed under this special provision is in progress.

ii) The Contractor's Daily Report shall be accompanied by all necessary materials documentation including tests slips, certifications, etc.

iii) The Engineer shall determine the acceptability of these reports in terms of their completeness and accuracy.

iv) The Engineer reserves the right to verify all submitted measurements and computations.

v) Failure by the Contractor to submit acceptable and timely reports to the Engineer may result in withholding of progress pay estimates on turf-related items until such time as reports are submitted in an acceptable and timely fashion.

c) The Engineer reserves the right to inspect the project for any reason in accordance with subsection 104.01 of the Standard Specifications for Construction, including the fulfillment of other inspection requirements such as soil erosion and sedimentation control, NPDES, etc.

i) These inspections made by the Engineer shall not relieve the Contractor of the inspections required by this special provision or the Contractor's responsibilities for erosion control and turf establishment.

2) Erosion Control.

a) Erosion shall be controlled at all times according to section 208 of the Standard Specifications for Construction.

b) Control of soil erosion is the responsibility of the Contractor.

c) Sedimentation controls shall be placed as indicated on the plans or as directed by the Engineer.

d) The site shall be continuously monitored by the Contractor for needed erosion repair from any cause as addressed in the contract documents.

e) All eroded areas shall be returned to their original grade as detailed in the contract documents.

f) If sedimentation occurs in drainage structures or any watercourse or water containment area, corrective action shall be taken immediately and all disturbed areas contributing to this sedimentation shall be restored within 24 hours of erosion occurrence.

i) Sediment deposited as a result of the Contractor's inability to control the soil erosion shall be removed at the Contractor's expense.

g) The Contractor shall reimburse the City of Saginaw for any costs levied against the City of Saginaw, such as fines, environmental costs, costs for remedies required, or any other costs as a result of the Contractor's failure to comply with this special provision and with all federal, state, and local laws.

3) Erosion Repair.

a) The Contractor is responsible for all repair and liable for all consequences (legal, monetary, or other) associated with erosion or sedimentation damage to finished or unfinished work.

b) All erosion occurrences and the repairs made by the Contractor shall be reported to the Engineer in the format and at the frequency required by the Engineer.

c) Any erosion, displacement, or disturbance to ongoing or completed work by any cause shall be repaired by the Contractor at no additional cost to the contract unless otherwise noted

herein.

d) The Contractor shall be responsible and liable for all traffic control and safety measures required to repair and protect damaged turf areas.

e) Any eroded area that may affect the support of the roadbed or safety of the public shall be repaired within 24 hours of the erosion occurrence.

f) Protection devices such as barriers, directional sign/signals, temporary fence, or any other safety measures shall be placed by the Contractor immediately after any erosion damage occurs that has the potential of endangering the public.

   i) In these instances, the Contractor shall, within 24 hours of the occurrence of the damage, provide the Engineer with a written summary of the immediate action taken and describing the repairs made and the safety measures taken.

4) Final Acceptance Parameters.

a) Before final acceptance of the turf establishment work, all of the following minimum parameters shall be met throughout all exposed areas of the project designated on the plans or identified by the Engineer as turf establishment areas.

   i) There shall be no exposed bare soil and the turf shall be fully germinated, erosion free, weed free, disease free, dark green in color, and in a vigorous growing condition.

b) The Engineer will notify the Contractor of the dates and times of all acceptance inspections.

c) The Contractor may accompany the Engineer while these inspections are being made.

d) If the Contractor does not agree with the decision made by the Engineer, the Contractor can request an inspection by a mutually agreed upon third party (Michigan State University Extension service or other).

   i) A joint inspection, including the Engineer, the Contractor, and the third party, will be scheduled.

   ii) All expert fees and expenses charged by the third party will be paid by the Contractor.

   iii) Any and all claims for extra compensation shall be according to subsection 104.10 of the Standard Specifications for Construction.

MEASUREMENT AND PAYMENT

The completed work, as described, will be measured and paid for at the contract unit price using the following pay item.

Pay Item	Pay Unit
Turf Establishment, Performance	Square Yard

This item shall be measured in place by area in square yards. All materials, labor, and equipment required or selected by the Contractor to install, maintain, inspect, repair, and meet the acceptance parameters for turf establishment specified in this special provision, including preparation, updating, and submittal of the Contractor's work plan and Contractor's Daily Reports, will not be paid separately but will be considered included in the contract unit price bid for **Turf Establishment, Performance**.

The following schedule of payment applies to work performed according to this special provision. Upon completion of topsoil surfacing stage, 50 percent of the authorized amount for Turf

Establishment, Performance will be paid to the Contractor. The remaining authorized amount will be paid upon completion of all other work necessary to comply with this special provision and to meet all final acceptance parameters for **Turf Establishment, Performance**.

CITY OF SAGINAW
SPECIAL PROVISION
FOR
ALTERATIONS TO THE MUNICIPAL WATER SYSTEM

COS:TJH **1 of 20** **04/17/26**

DESCRIPTION

This work shall consist of installing water main, fittings, hydrants, valves, water services, and appurtenances of the nominal diameter shown on the plans. This work includes the furnishing of all labor, equipment, and materials required for excavation, installation, restraint, testing, disinfection, and backfilling as shown on the plans and specified herein and in accordance with American Water Works Association (AWWA), Michigan Department of Environment, Great Lakes, and Energy (EGLE), and City of Saginaw Standard Requirements. Any change or deviation from the plans must be approved in writing by the Engineer.

The work also includes removal of existing water mains and appurtenances as called for on the plans. All removed materials which the City of Saginaw does not designate for salvage, shall become the property of the Contractor and shall be, disposed of as specified in subsection 205.03.P of the Standard Specifications for Construction.

All removed valves and hydrants will be salvaged and returned to the City of Saginaw.

Partial lead service line replacement is not allowed under Michigan's Lead and Copper Rule. If the Contractor discovers that the private side of the existing water service line is lead or galvanized, the Contractor must proceed with replacement of the private side of the line within the time limits of the Contract. Payment for this work shall be added to the Contract as approved by the Engineer.

MATERIAL

The Contractor shall furnish all pipe materials required for the contract. All materials shall meet the requirements of MDOT, AWWA, EGLE, and the municipality, as specified, and the January 2014 Lead Free Requirements of the Safe Drinking Water Act. Products manufactured in the State of Michigan shall be used when at all possible. When multiple products have similar performance, price, and other characteristics, the Michigan product shall be selected. If Michigan products are not available, products manufactured in the United States of America shall be used whenever possible. All materials supplied for this project shall be manufactured within at least two years of the construction start date unless otherwise approved by the Engineer.

1) Water Main.

All water main 16 inches or larger shall be ductile iron pipe.

Unless specifically called for on the plans, all water main 12 inches and smaller may be either ductile iron pipe or Polyvinyl Chloride (PVC) C909.

a) Ductile Iron.

   i) The ductile iron pipe shall be manufactured in accordance with ASTM Specification A339, pipe Class 52 or Pressure Class 350, of the sizes shown on the plans.

   ii) All pipe shall be lined with a standard thickness cement mortar lining sealed with a bituminous seal coat in accordance with AWWA Specification C104 (ANSI A21.4), unless otherwise specified.

iii) The outside of the pipe shall be coated with standard bituminous seal.

iv) The metal thickness class, net weight of the pipe without lining, the nominal size, and the manufacturer's identifying symbol shall be clearly marked on each length of pipe.

v) All ductile iron pipe shall be wrapped in polyethylene in accordance with ANSI/AWWAC105/A21.5.

vi) The joint for the pipe shall be push-on or mechanical joint with a compressed rubber gasket seal such as Bell-Tite, Tyton, or Engineer approved equal.

vii) All joints shall be fitted with wedges.

viii) viii) Material, number, and installation shall be per manufacturer's recommendation.

ix) In areas where non-hazardous contaminated soil is suspected, ductile iron pipe with Nitrile gaskets and poly wrap shall be used.

b) PVC.

i) PVC pipe shall meet the requirements of ANSI/AWWA C909.

ii) Pipe shall have a ratio of diameter to wall thickness (DR) of 18, unless noted otherwise on the plans or on the proposal.

iii) Pipe shall meet both ANSI/NSF Standard 61 and ANSI/NSF Standard 14.

iv) Pipe shall be marked with "NSF PW" or otherwise indicate it meets NSF 14 and 61.v) The pipe manufacturer and class shall be marked on each length of pipe.

vi) Joints for pipe shall be push-on type with elastomeric gaskets meeting the requirements of ASTM D3139. vii) All PVC pipe shall come with a 50-year manufacturer's warrantee.

c) Fittings and plugs.

i) Fittings and Plugs shall meet all applicable requirements of AWWA C153 (ANSIA21.53) specifications.

ii) Cement mortar linings for fittings shall be in accordance with AWWA C104.

iii) The joint for the fittings shall be mechanical joint with elastomeric gasket in accordance with ASTM D3139 and ASTM F477.

d) All directionally bored ductile iron pipe shall be Flex-Ring restrained joint pipe as manufactured by American or Engineer approved equal.

e) All directionally bored PVC pipe shall be Certa–Lok restrained joint pipe.

2) Water Service Piping and Appurtenances.

a) The water service piping shall be copper tubing, Type K, annealed, in accordance with ASTM B88.

b) The size of tubing shall match the existing size of the water service being replaced.

c) The fittings shall conform to ASTM B16.26, cast bronze.

d) The joints of the copper tubing shall be flared.

3) Gate Valves.

Gate Valves shall be manufactured by Mueller, East Jordan, Clow, or equal. All valves up to 24 inches, for use in water distribution systems, shall be resilient seat, single wedge valves. The valves shall be in accordance with AWWA Specification C509 and shall also meet any

supplemental requirements or specifications of the municipality. Valves used on this project shall have mechanical joints.

a) The valves shall be manually operated with non-rising stems, iron body, bronze trim, and be furnished with a standard AWWA 2-inch square-operating nut.

   i) The wrench nut shall turn right (clockwise) to open and shall be indicated by an arrow cast on the operating nut skirt.

b) Valve stem risers are required for depths greater than 6½ feet.

4) Butterfly Valves.

Butterfly Valves shall be manufactured by Mueller, Dezurik, Henry Pratt, or equal. All valves 24 inches and greater, for use in water distribution systems, shall meet the full requirements of the AWWA Standard for rubber-seated Butterfly Valves, AWWA Specification C504, CL150B, Direct Bury.

a) The valve shall be for distribution and transmission systems with operators complete and sealed for direct buried use in ordinary line position.

b) The valve shall be the short body type.

c) The shaft seal shall be O-Ring and be furnished with a standard AWWA 2-inch square operating nut.

   i) The wrench nut shall turn right (clockwise) to open and shall be indicated by an arrow case on the operating nut skirt.

d) All valves shall be tested in accordance with Section 5.2 of the AWWA C504.

   i) The manufacturer shall furnish an affidavit that the valve purchased complies with all applicable provisions of the standard and shall furnish test records as specified under Section 5.2 of this standard.

e) Valve stem risers are required for valves on water main deeper than 8 feet.

   i) Valve stem risers shall be made of 1½ inch solid steel with 2-inch square operating nut, include a centering collar, and installed per municipality standards.

5) Valve Boxes.

Valve boxes shall be manufactured by Mueller, East Jordan, or equal.

a) The valve box shall be cast iron, 5½ inch diameter, and three-piece adjustable screw type.

b) Valve box extensions are required for depths greater than 6½ feet.

c) No. 6 round bases are required for gate valves up to 8 inches in diameter and No. 160 oval bases for gate valves 10 inches and greater.

d) The box covers shall be stamped “water”.

6) Corporation Stops and Saddles.

a) For Class 52 D.I. pipe, any taps less than or equal to 2 inches shall be Ford Model #F-600-3or approved equal.

b) For Pressure Class 350 D.I. pipe, any taps greater than ¾-inch and less than or equal to 2inches shall be Style 202B Double Strap Saddles as manufactured by Ford Brass or approved equal.

c) For PVC C909 and asbestos cement pipe, any taps less than or equal to 2 inches shall be Style 202BS double band saddles as manufactured by Ford Brass or approved equal.

7) Curb Stop and Box.

Curb Stops shall be manufactured by Ford, Model #Z-22-333 or approved equal.

a) Curb Stops shall be 5½ feet deep.

b) Curb Stop Boxes shall be the standard Buffalo patterns and all parts of the same, including extension sections, shall be interchangeable and fit up with corresponding parts of other standard Buffalo pattern boxes.

c) The internal diameter of the base shaft shall be 2½ inches for ¾-inch and 1-inch curb stop.

d) The boxes shall be cast iron, suitable coated to resist corrosion, and the casting shall be smooth and free of any imperfections.

e) The covers shall overlap and fit outside the rim of the upper section, and they shall have a horseshoe-shaped groove in them to receive the bolt head and the word “water” embossed on the top surface.

f) All boxes shall be Tyler Union 6500 (2½ inch Boxes) Series or approved equal.

g) Curb Stops and Boxes shall be in accordance with municipality standards.

8) Meter Pit.

a) For meters 1½ inches or smaller, the pit shall be manufactured by Hancor, Model #MP-NL1-0004 or approved equal.

b) For 2-inch meters, the pit shall be manufactured by Carson Industries, Model #2436 or equal. Cover for the 2-inch meter box shall be a polymer concrete flush cover with cast iron reader door as manufactured by Carson Industries or equal.

9) Meter Isolation Valve.

a) All water service fittings shall be fabricated of brass and shall be lead free. Valves up to 2inches, for use in residential dwellings, shall be non-rising stem gate valve type with NPT connections.

10) Fire Hydrants.

Fire hydrants shall be in accordance with the detail shown on water main detail sheet and shall conform to AWWA C502 for dry-barrel fire hydrant traffic model or traffic flange type and 150-pound working pressure, compression type, and opening with the line pressure with mechanical joints.

a) Fire hydrants shall be bronze mounted throughout with no iron-to-iron or steel contacts or threads. The operating stem in the base and valve seat shall be bronze.

b) All iron parts shall be of high strength grey iron conforming ASTM Designation A126 Class B

c) Fire hydrants shall have a 6-inch valve opening with a 6-inch mechanical joint inlet.

d) The minimum inside dimension shall be 8 inches.

e) The operating nut shall turn to the right to open and have a weather shield.

i) The opening direction shall be plainly marked with an arrow near the operating nut showing the opening direction.

ii) The operating nuts and nut nozzle caps shall be square and slightly tapered; and it shall be 15/16-inch at its base and 13/16-inch square at its end and 11/8-inch long.

f) Fire hydrants shall be completely assembled at the factory with the drain opening sealed with a threaded plug.

g) Provide two fire hose connections and one pumper connection with national standard threads in accordance with municipal standards.

h) All nozzles shall be on a movable head on the hydrant barrel so that they may be rotated by changing the position of the top flange without removing the barrel.

i) Provide a Spring Cap Style McGard Fire Hydrant Lock for hydrant.

j) Provide proper length for installation in a water main depth of 6 feet or as indicated on the drawings.

k) All fire hydrants shall have a concrete collar around the lower barrel, 12 inches below the ground line with 1-inch of expansion joint material between the hydrant barrel and collar, as shown on the plans and as directed by the Engineer.

i) The collar shall be 6 inches thick with a diameter of at least 24 inches. ii) Diameter will be as wide as necessary to reach undisturbed earth. iii) Collars shall be formed using grade 3500 concrete.

iv) Fire hydrants shall be tested to 300 pounds hydrostatic pressure from inlet side with valve in both open and closed position.

l) Fire hydrants shall be painted red above the grade line conforming to the city standards and black below the grade line.

m) Fire hydrants shall be designed so one man can easily remove or replace the working parts without removing the main valve seat.

n) Fire hydrants shall be flagged per city specifications.

11) Gaskets.

All water main gaskets shall meet the requirements of ANSI/AWWA C111/A21.11. For soils contaminated with volatile organic compounds, as determined in the field by the Engineer, use nitrile gaskets.

12) Repair Clamps.

For ductile iron, PVC, and asbestos, cement pipe shall be either model 226 full circle repair clamp manufactured by Smith Blair or the Ford F Style repair clamp or equal.

13) Thrust Blocks.

Concrete shall be grade 3500 in accordance with Table 1004-1 of the Standard Specifications for Construction. The course aggregate shall be MDOT aggregate Class 6AA. The thrust blocks shall be placed in accordance with the water main detail sheet and in addition to joint restraints.

14) Joint Restraints.

a) Manufacturer: MEGALUG by EBAA Iron or approved equal.

i) Series 1100 for mechanical joints restraints on ductile iron pipe. ii) Series 1700 for push joint/bell restraints on ductile iron pipe.

iii) Series 19MJ00 for Mechanical joints restraints on C909 PVC pipe.

iv) Series 1900 for push joint/bell restraints on C909 PVC pipe.

b) Restrain all mechanical joints with retainer glands.

i) Restrain all joints within length(s) according to restraint schedule as determined using EBAA Iron Restraint Length Calculator.

c) Restrain hydrants, tees, valves etc. according to the manufacturer's requirements for application soil type, trench detail, test pressure of 150 psi, safety factor of 2 and depth of bury.

d) Mechanical joint restraint shall be incorporated into the design of the follower gland.

i) The restraint mechanism shall consist of plurality of individually actuated gripping surfaces to maximize restraint capability.

ii) Glands shall be manufactured of ductile iron conforming to ASTM A536-80.

iii) The gland shall be such that it can replace the standardized mechanical joint gland and can be used with the standardized mechanical joint bell conforming to ANSI/AWWA C111/A21.11 and ANSI/AWWA C153/A21.53 of latest version.

(1) Twist off nuts, sized same as tee-head bolts, shall be used to ensure proper actuating of restraining devices.

iv) The restraining glands shall have a pressure rating equal to that of the pipe on which itis used.

v) The restraining glands shall have been tested to ASTM F1674-96, be listed by Underwriters Laboratories, and be approved by Factory Mutual.

vi) The restraint shall be Mega Lug, as manufactured by EBAA iron or approved equal.

e) Ductile iron pipe restraint shall consist of a wedge action restraint ring on the spigot joined toa ductile iron follower gland behind that bell.

i) The restraint ring shall have individually actuated wedges that increase their resistance to pullout as pressure or external forces increase.

ii) The restraint ring and its wedging components shall be made of a minimum grade of 6042-10 ductile iron conforming to ASTM A536.

iii) The wedges shall be heat-treated to a minimum hardness of 370 BHN.

iv) Torque limiting twist off nuts shall be used to ensure proper actuation of the restraining wedges.

v) The follower gland shall be made of a minimum grade of 60-42-10 ductile iron conforming to ASTM A536.

vi) The connecting tie rods that join the two rings shall be made of low alloy steel that conforms to ANSI/AWWA C111/A21.11.

vii) The assembly shall have a rated pressure, with a minimum two to one safety factor, of350 psi in sizes 16-inch and below and 250 psi in the sized 18-inch through 36-inch.

viii) The product shall be the Series 1700 Mega Lug restraint harness manufactured by EBAA Iron or approved equal.

f) Submit to Engineer product information and restraint schedule showing locations of use.

15) Corrosion Protective Material.

a) The corrosion protective material shall be applied to all buried nuts, bolts, threaded rod, shall be manufactured by the following:

i) San Chem Inc., product: NO-OXG-GG-2 ii) Coronado Paint product: coal tar epoxy, 10 mil (DMT) iii) Or Approved Equal

b) Ductile iron pipe, bends, tees, crosses, fittings, and fire hydrants assemblies shall be double wrapped in candy cane pattern to within 1 foot of finished grade with polyethylene encasement.

i) Use 8 mil low-density polyethylene film or 4 mil high density polyethylene film conforming to ASTM C105/A21.5.

ii) The wrap shall be secured during the backfill operation.

16) Tracer Wire.

a) The tracer wire shall be polyethylene coated steel core copper wire, manufactured by the following:

i) Copperhead Industries, LLC, product: Copperhead Reinforced Tracer Wire ii) Or

Approved Equal

b) The use of solid copper tracer wire will not be allowed.

c) Tracer wire connectors must contain a dielectric waterproof and corrosion proof sealant, lock shut and be color coded blue.

i) Approved manufacturer is Copperhead Industries, LLC, Snake Bite Corrosion Proof Wire
Connectors

d) Tracer wire must be attached to all PVC pipe by the use of tape or other approved means.

17) Tracer Wire Box.

a) Tracer wire boxes shall be magnetized, provide a direct connection to tracer wire without removing the cover, be color coded and have a locking cover, such as the Snake Pit Magnetized Tracer Box manufactured by Copperhead Industries, LLC.

b) Tracer wire boxes will be installed at every fire hydrant when main line PVC pipe is installed or other PVC water pipe endpoint.

18) Backfill Material.

a) The backfill material shall be in accordance with the Standard Specifications for Construction and Standard Plan R-83 series.

19) Air Reliefs.

Air Reliefs shall be furnished by the Contractor where required to allow for proper air relief, disinfection and sampling. They shall include the tapped hole, brass plug, corporation, copper pipe, and any other fittings required to accomplish this work. All air reliefs shall be placed as directed by the Engineer.

a) The cost for air reliefs shall be included in the pay item for **Water Main, __inch, Tr Det__, Modified.**

20) Disinfectant.

a) Use NSF Chlorine per AWWA Standards.

21) Welded Steel Pipe Sleeve.

a) Welded steel pipe sleeve shall meet requirements of ASTM, A53, Type S, Grade.

22) Stainless Steel Repair Clamps.

a) The repair clamps shall be full circle gray coated stainless steel of the appropriate size for

the main to be repaired and manufactured by the following:

i) Ford Romac Industries, Inc ii) Smith-Blair iii) Or Approved Equal

CONSTRUCTION

The Contractor shall install all pipe materials, required for the contract, according to MDOT, AWWA, EGLE, and the municipality standards.

1) Connection to Existing Water Main.
   a) The Contractor shall not make any connections to the public water distribution system until the new water main has been pressure tested, chlorinated, and laboratory tests show satisfactory results in accordance with EGLE Standards for safe drinking water.
   b) The Contractor shall locate the existing water main prior to construction of the proposed water main and shall furnish and install the necessary fittings, including tees, bends, crosses, cutting-in-sleeves, pipe, and/or adaptors to complete the connection.
   c) The Contractor shall connect the proposed water main to the existing water main as shown on the plans or as directed by the Engineer.
   d) The Contractor shall connect the proposed water main to the existing water main in a continuous effort to complete the work.
      i) Once the existing water main has been disconnected (or shutdown), the Contractor shall not leave the work site until the connection is complete and the system is placed back into service and approved by the Engineer.
   e) The Contractor shall handle Asbestos Cement pipe removal and disposal following the applicable MIOSHA Standards.
2) Water Main Shutdowns.
   a) The Contractor shall schedule all water main shutdowns with the City of Saginaw a minimum of 48 hours prior to shutdown.
   b) The Contractor is responsible for all de-watering including dewatering if the City of Saginaw is unable to obtain complete shutdown due to age or deterioration of existing valves.
   c) The Contractor shall, under no circumstances, operate any City of Saginaw valves.
   d) Once a shutdown has taken place, the Contractor shall not leave the work site until the system is placed back into service and approved by the Engineer.
3) Crossing Existing Utilities.
   a) The locations of existing utilities are shown in accordance with available data.
      i) The Contractor shall expose all existing utilities prior to construction to verify location and elevation and immediately notify the Engineer of any conflicts.
   b) Where existing utilities cross the open-cut trench, compacted sand backfill shall be required to bed the utility crossing.
      i) The sand backfill shall extend to 4 inches above the top of the pipe or conduit, which is being supported.
      ii) In addition to the sand backfill, it may be necessary to support the utility crossing with a 6-inch by 6-inch timber supported on each end on solid earth at both sides of the

trench. iii) When supporting pipes with collars or bell joints, the timber shall be placed 3 inches below such collars or bells and the barrel of the pipe supported with hardwood blocking at 3-foot centers.

c) Cost of sand backfill shall be included in the pay item for **Water Main, __inch, Tr Det__, Modified**.

4) Separation of Water Mains and Sewers.

a) The Contractor shall follow EGLE Standards for separation of sewers and water distribution systems.

b) For parallel installations, water mains shall be at least 10 feet horizontally from sewers.

i) The distance shall be measured edge-to-edge.

c) For crossings, the water mains and sewers shall be separated at least 18 inches from the outside of the water line to the outside of the sewer.

i) The maximum separation of the water main and sewer joints shall be maintained.

d) The reviewing authority shall approve any deviations from these requirements.

5) Abandoning Pipe.

a) If, in the judgment of the Engineer, the abandoned pipe may be left in place and is greater than 8 inches in diameter, the ends of the abandoned pipe shall be blocked with concrete and the pipe filled with flowable fill.

b) Prior to removing and/or working near abandoned gas main and electrical conduits or ducts, the Contractor shall coordinate with Consumers Energy to confirm that suspected abandoned utilities are actually abandoned and are no longer in service.

6) Disposal

a) All waste material shall be disposed of as specified under section 204 of the Standard Specifications for Construction.

7) Disposal of Flushing Water.

a) Contractor is responsible for de-chlorinating flushing water to the requirements of PA 451.

b) The Contractor shall provide outlets to existing drainage for flushing purposes.

8) Water Cost.

a) The Contractor shall pay the City of Saginaw for all water used during construction, including water main breaks and water necessary for testing, cleaning, and chlorinating water mains.

i) The actual volume of water used shall be determined by the Engineer.

ii) The rate of pay for all water used shall be at the current rate per 100 gallons.

b) The water necessary to fill the volume of the water main at the completion of the project shall be paid by the City of Saginaw.

9) Maintaining Water Service.

a) The Contractor shall coordinate any proposed interruptions in the existing water system with both the City of Saginaw and the Engineer.

b) If any portions of the existing water mains cannot remain in service due to construction of the proposed water mains, the Contractor shall extend a temporary 1¼ inch polyethylene service to each customer affected by the outage.

i) The cost of these temporary connections, if required, shall be included in all other items of the Contract.

c) Services shall be reconnected to the existing water main.

10) Installing Pipe, Fittings, and Accessories.

a) Install pipe, fittings, and accessories in accordance with manufacturer's instructions.

b) Install to the line and elevations shown on the drawings.

i) Water main shall have a minimum cover of 6 feet from proposed finish grade, unless shown otherwise on the drawings or directed by the Engineer.

ii) Maintain an 18-inch vertical separation between proposed water main and existing utilities.

c) Where pipe is to be installed with less than the minimum required cover, 4-inch rigid foam insulation shall be placed directly over the watermain for the width of the trench. i) The insulation shall be placed on a level compacted sand base for support.

11) Installing Fire Hydrants.

a) Install in accordance with manufacturer's instructions.

i) Set at plan location and grade as directed by the Engineer.

ii) Set hydrant plumb on a concrete block according to the water main detail sheet.

iii) In addition to blocking, restrain hydrants with two ¾-inch threaded rods, anchored to concrete block, welded steel pipe sleeve, or joint collars.

b) Install collar per the fire hydrant manufacturer’s recommendations, industry standards, and as directed by the Engineer.

i) Install collar to a width necessary to meet undisturbed earth, with a minimum width of 24 inches.

c) Duc-Lugs and/or Eye Bolts, as manufactured by Continental Eastern, Romac Industries, or equal, may be used with rods as a means of restraint.

d) The hydrant may be rotated up to 180 degrees as shown on the plans or as directed by the Engineer.

e) Obtain approval of the Engineer prior to backfilling trench.

f) Backfill hydrant according to the Water Main Detail Sheet and in accordance with the Standard Plan R-83-C, Utility Trenches. 12) Installing Gate Valves and Butterfly Valves.

a) Install in accordance with manufacturer's instructions.

i) Tighten nuts on valve body.

ii) Set valves plumb on a concrete block according to the water main detail sheet.

b) Verify and document set points and number of turns between fully closed position and fullyopen position are within manufacturer’s tolerances for each gate valve installed.

c) Leave valves in the open position except for the valves that connect to the existing watermain.

13) Installing Valve Boxes.

a) Set base on MDOT 6A, compacted crushed limestone, material a minimum of 2 inches above the flange on the valve dome and centered over the operating nut.

b) Set valve box plumb and centered over the valve-operating nut.

c) Adjust the top of the valve box to match proposed finish grade.

i) Install extensions for trench depth greater than 6½ feet.

ii) Valve box extensions shall be included in the pay item for **Gate Valve and Box, __inch, Modified**.

d) In pavement areas, adjust to the final elevation prior to placement of the final course of pavement.

14) Installing **Water Serv, Modified** and **Water Serv, Long, Modified**.

a) Installation of Water Services must be done in accordance with ANSI/AWWA C810-17 (First Edition), Replacement and Flushing of Lead Service Lines.

b) Water services shall include double strap saddles, corporations, copper tubing Type Flared joints, and all other material for complete operation.

c) This work shall not begin until the proposed main has been tested, disinfected, accepted by the Engineer and is in operation.

d) Water services larger than 2 inches in diameter are considered water mains insofar as this contract is concerned.

e) Open cut services shall pass visual inspection by the Engineer, under system pressure prior to backfilling.

f) Backfill the water service trenches with granular material Class II.

g) **Water Serv, Long, Modified** shall be defined as any service greater than 30 feet in length as measured along the centerline of the service from the centerline of the proposed water main to the road right-of-way.

h) Water services shall be installed in an open-cut method unless approved by the Engineer.

i) When a service bore will cross an existing water main, a sight hole must be excavated sufficient in size for the Engineer to visually verify the bore will clear the existing main.

j) **Water Serv, Long, Modified** shall be installed utilizing an approved bore method unless an open cut method is approved by the Engineer.

k) Water services installed using a bore method shall pass an Engineer approved line pressure test witnessed by the Engineer prior to backfilling connection points.

l) Existing curb stops and boxes requiring removal for the installation of a new curb stop and box will not be paid for separately but shall be included in the pay item for **Water Serv, Modified** and **Water Serv, Long, Modified**.

m) Curb stop boxes shall be installed with 5½ feet cover.

i) Precautions shall be made to ensure the curb stop box is no less and no greater than 5½ feet deep.

15) Installing New Water Services from Curb Stop to Private Residence or Businesses.

a) The installation of new water services from curb stop to private residence must be done in accordance with ANSI/AWWA C810-17 (First Edition) Replacement and Flushing of Lead Service Lines.

b) Contractor to install private water services utilizing open-cut or bored method.

c) Open-cut private services shall pass visual inspection by the Engineer, under system pressure prior to backfilling.

d) Private services installed using a bore method greater than 10-feet shall be tested at 75 PSI for minimum of 15 minutes as witnessed by the Engineer prior to backfilling connection points.

e) The Engineer shall make the final determination of where the new service shall enter the dwelling.

f) Services shall enter a dwelling at a minimum depth of 5½ feet below existing grade.

g) New service shall match size shown on plans unless otherwise directed by Engineer. Minimum service size shall be ¾-inch.

h) Contractor shall be responsible for protecting private landscaping and plantings.

i) Any landscaping or plantings disturbed by the Contractor shall be replaced at the Contractor's expense.

16) Transition/Connection Fittings.

a) Transition/ connections fittings shall be hand chlorinated prior to installation.

17) Hydrostatic Testing.

a) Hydrostatic Test for Water Main Pipe 20-inch and Smaller.

b) Perform after entire water main or a section between two valves has been installed and has passed the visual leakage test.

c) Length of water main tested between two valves shall be the length of the entire water main, or a maximum distance of 5,280 feet.

d) Fill pipe slowly, expelling all air.

e) Pressurize pipe as indicated under total pressure, on the table below, and maintain for 15minutes.

Pipe Size	Oper. Press.		Water Hammer		Total Pressure, Oper. Water & Hammer		Total Internal Design Pressure (Safety Factor Included)	
	Psi	kPa	Psi	kPa	Psi	kPa	Psi	kPa
6”-10"	60	4.4	120	830	180	1240	450	3100
12”-14"	60	4.4	110	760	170	1170	425	2930
16”-18"	60	4.4	100	690	160	1100	400	2760
20"	60	4.4	90	620	150	1035	375	2585
24"	60	4.4	85	590	145	1000	363	2500
30"	60	4.4	80	550	140	965	350	2415
36"	60	4.4	75	520	135	930	338	2330
42”-60"	60	4.4	70	480	130	900	325	2240

f) Reduce pressure to 150 psi and maintain for two hours.

i) Add water to maintain pressure to within + 1 psi of 150 psi.

ii) If at any time the test pressure drops so fast that water cannot be added quickly enough to maintain the pressure to within 5 psi of 150 psi, the hydrostatic test is considered to have failed, and the test started over.

g) The amount of water added to maintain test pressure to within 5 psi of 150 psi shall be defined as the make-up water.

h) The hydrostatic test will be considered to have failed and the pipe installation shall not be accepted if the make-up water measured exceeds the testing allowance calculated per AWWA C600-05 and as follows:

In inch-pound units,

$$L = \frac{SD\sqrt{P}}{148{,}000}$$

Where:
L = Testing Allowance, in gallons per hour
S = Length of Pipe Tested, in feet
D = Nominal Diameter of the Pipe, in inches
P = Average Test Pressure During the Hydrostatic Test, in pounds per square inch (gauge)

i) Read line pressure on a 4-inch diameter gauge with a snubber and a range of 0 to 200 psi in 2 psi increments.

j) Measure make-up water added to the pipe with a tested water meter connected to the water supply line.

k) For short sections of pipe, water may be added through a sterilized container and the amount calculated by direct measurement.

l) Find and repair leaks.

m) Flush pipe with potable water.

n) Procedure for testing water main 20 inches in diameter and larger shall be the same as required for water mains less than 20 inches in diameter except that the 15-minute hydrostatic test will not be required for pipe in this size range.

18) Visual Leakage Test.

- When directed by the Engineer, a visual leakage test may be performed in lieu of a pressure leakage test.
- Place sufficient backfill to prevent pipe from buckling or shifting.
- Joints remain exposed.
- Restraints are installed.
- place and block test plug at the end of the pipe.
- Fill pipe slowly with water expelling all air.
- Increase water pressure to equal pressure from existing supply water main.
- Visually inspect joints for leakage.
- Repair leaks and repeat test.
- Backfill after successful completion of test.

19) Disinfection.

a) Disinfection procedure shall be in accordance with AWWA Standard C651, latest revision, Continuous-Feed Method.

b) Verify that the water main is complete, flushed, and clean.

c) Inject disinfectant, NSF chlorine solution per AWWA Standards, through a corporation Coc inserted in the horizontal axis of the water main.

d) Inject disinfectant at the beginning of the pipeline or a valved section.

e) Slowly fill the line with potable water from the existing distribution line, as approved by the Engineer.

f) Bleed water from a valve at the end of the line to ensure distribution and prevent pressure build up in excess of 138 kPa (20 psi).

g) Inject disinfectant, chlorine solution, to obtain a concentration of 50 parts per million.

h) Chlorine residual will be checked to insure a minimum of 50 ppm solution, using a method as approved by the Engineer.

i) Maintain disinfectant in pipeline for 24 hours.

   i) All valves in the disinfected section of pipe must be turned during the 24-hour time period. Free chlorine residual after 24 hours shall be not less than 10 ppm.

   ii) The testing method used to verify the amount of free chlorine residual shall be approved by the Engineer.

j) Flush disinfectant from pipeline until chlorine level leaving the pipe is not higher than normal chlorine residual in the City of Saginaw water distribution system.

   i) Contractor shall be responsible for dechlorinating flushing water to the requirements of PA 451.

k) The Contractor, with assistance from the Engineer, will obtain samples for laboratory tests, which will be analyzed at the City of Saginaw Water Treatment Plant Certified Laboratory.

   i) Samples will be taken after flushing the disinfectant from the pipeline in accordance with AWWA requirements.

   ii) Samples must be taken so that the testing and lab analysis can be done during normal business hours (8 a.m. to 4 p.m., Monday through Friday).

   iii) Care shall be taken with bottles, sample collection, and transportation to ensure proper technique is followed.

   iv) The number of fittings in the apparatus or blow-off used to obtain the samples should be minimized to reduce the possibility of contamination.

   v) Per the Safe Drinking Water Act, the samples shall be collected a minimum of 24 hours apart.

l) Do not place the water main into service until laboratory tests show satisfactory results in accordance with EGLE and City of Saginaw standards for safe drinking water, as indicated in this special provision.

   i) City of Saginaw standards for safe drinking water require that coliform testing by membrane filtration display a lack of coliform bacteria and lack of atypical bacteria. ii) City of Saginaw standards for safe drinking water also require that the Heterotrophic Plate Count (HPC) shall be </= 50 cfu/1mL to display the water quality is reasonably equal to the potable supply.

   iii) HPC requires 48 hours for each sample taken before results are known.

m) Repeat the complete disinfection process if laboratory results do not meet the EGLE Standards for safe drinking water, and the requirements in this special provision.

n) Replace corporation cocks with brass plugs when the disinfection process is complete and water is determined safe for drinking and meets EGLE and City of Saginaw Standards.

o) The use of chlorine pills or tablets placed in the pipe during construction for use in the disinfection process is prohibited.

p) Results of bacteriological sampling to determine if the new water main can be placed into service may take 7 to 10 days to receive.

20) Continuity Testing.

a) Ductile iron pipe and fittings (except flanged pipe) shall be provided with metallic wedges at each joint to provide metal-to-metal contact at the joint to allow an electric current to flow through the joint for location, locating and cathodic protection.

b) The system (pipeline and hydrants) shall be tested for electrical continuity and current capacity.

c) Perform the electrical test after the hydrostatic pressure test, before services are connected and while the line is at normal operating pressure.

d) The line may be tested in sections of convenient length as approved by the Engineer.

e) Pass a direct current of 400 amperes ± 10 percent through the system for 5 minutes.

f) Continuously measure current flow through the pipe on a suitable ammeter while maintaining a steady current without interruption or excessive fluctuation throughout the 5minute test period.

g) Insufficient current or intermittent current or arcing, indicated by large fluctuation of the ammeter needle, shall be evidence of defective electrical contact in the pipeline.

h) Isolate and correct the cause of the deficiency.

i) After correction, retest the section in which the defective test occurred.

21) Boring, Jacking, or Tunneling installation with Pipe Sleeve.

a) Construct and maintain jacking/boring pits as required.

i) Adequately clear site required for pits as needed to perform the work.

ii) Size pits for boring machine, frames, reaction blocks, minimum two sections of pipe, and with sufficient room for working.

iii) Provide steel safety ladder.

iv) Locate pits such that no damage occurs to trees, poles (not specified for removal), or structures in the immediate area.

b) Construct pits with sheeting and bracing as required for proper support in accordance with OSHA standards and as needed to sufficiently support reaction blocks.

i) Place crushed rock or approved bedding to sufficiently support equipment and protect pit floor.

c) Employ guide timbers and rails for maintaining pipe line and grade.

d) Push utility pipe through the bored opening leaving minimum annular space.

e) A pushing or jacking frame shall be built and furnished to fit or match the end of the pipe to be jacked so that the pressure of the jacks will be evenly distributed over the end of the pipe.

f) The hydraulic jacks shall have sufficient power to apply a smooth and even pressure to move the pipe in place.

i) Hammering or ramming the pipe will not be allowed.

g) The pipe shall be jacked upgrade where possible.

h) The excavation shall be done within the inside of the pipe and shall not exceed 12 inches ahead of the pipe being jacked in place.

i) After each pipe section is in place, the pipe shall be checked for correct grade and line.

i) Pipe not meeting the correct grade and line shall be rejected and replaced.

j) Excavation shall be done within the inside of the pipe sleeve not to exceed 6 inches ahead of the sleeve.

k) Excavation at the top and sides may be approximately 1-inch greater than the outside periphery of the pipe.

l) The bottom of the excavation shall be accurately cut to line and grade.

m) After the pipe sleeve has been jacked and augured, it shall be checked by pouring water through the pipe.

i) Pipe sleeve not meeting the line and grade requirements shall be rejected.

n) The water main pipe shall be pushed in the pipe sleeve, supported on a minimum of three each 1-inch by 2-inch (minimum) hardwood continuous slats banded to the utility pipe. i) The banding shall be 5/8-inch stainless steel.

o) The annular spaces at the ends of the pipe sleeve shall be sealed with filter fabric or approved equal and held in place with 6A stone.

p) Additional footage of pipe installed by jacking and boring above what is shown on the plans and specifications shall not be paid.

i) Extra footage will only be paid if authorized in writing by the Owner and the Engineer prior to installation.

22) Horizontal Directional Drilling Pipe.

a) The Contractor shall ensure a representative from the drilling Contractor, who is experienced with the equipment and boring procedures is on site at all times during the boring operation to address immediate concerns and emergency operations.

i) Installation must not begin until the Engineer agrees that proper preparations have been made. ii) Notify the Engineer at least two (2) work days prior to starting the work.

b) The directional bore shall begin with a pilot hole drilled along the proposed bore alignment.

i) Directional information shall be monitored and provided to the drilling operator using navigation equipment on the surface.

ii) A reverse drilling reamer shall be attached to expand the pilot hole to allow for the pipe installation.

iii) Bentonite slurry shall be pumped through the drill steel and mixed by the reamer to stabilize and lubricate the wall lining of the bore hole and to protect the pipe.

c) Instrumentation shall be provided and maintained to accurately locate the pilot hole and measure drilling fluid flow and pressure at all times.

d) Drilling fluids shall be contained within the drilling area and cleaned up within 48 hours following completion of pipe installation.

e) The Contractor shall ensure deflections in pipe are made by bending the pipe in accordance with the manufacturer’s recommendations.

f) When a bored main will cross an existing water main, a sight hole must be excavated sufficient in size for the Engineer to visually verify the bore head will clear the existing main.

g) If the Contractor encounters an obstruction during boring that prevents completion of the installation in accordance with the design location and specification, the pipe may be abandoned and left in place with approval by the Engineer.

   i) If the pipe is approved to be left in place, the Contractor shall immediately fill it with flowable fill and bulkhead the pipe.

   ii) The Contractor shall submit a revised plan prior to begin another boring for approval by the Engineer.

   iii) If damage is observed during construction, the Contractor shall cease all work until a plan to minimize further damage and for restoration is obtained and approved by the Engineer.

h) If conditions warrant removal of any materials installed in a failed bore path, as determined by the Engineer, it will be at no additional cost to the contract.

i) The Contractor shall restore any damage caused by heaving, settlement, escaping drilling fluid (frac-out) or the drilling setup and operation.

   i) The Contractor shall ensure a frac-out contingency plan is provided and approved by the Engineer prior to starting the work.

   j) The Contractor shall provide the Engineer a complete set of record (as-built) plans, showing all bores (successful and failed), within 30 calendar days of completing the work.

      i) The Contractor shall ensure as-built plans include the locating equipment used; horizontal and vertical alignment with degree of accuracy, entry, and exit points; bore diameter; tracer wire termination locations; drilling fluid composition; and important subsurface features.

      ii) The Contractor shall ensure the as-built plans are legibly drawn on project plan sheets or sheets developed by the boring Contractor.

      iii) The Engineer will have 15 calendar days to review and approve the as-built plans.

23) Stainless Steel Repair Clamps at Existing Water Service.

a) Following construction of new service lead and connection to existing service at right-of-way, remove existing corporation valve and saddle.

b) Coordinate with City of Saginaw staff to reduce main pressure prior to removal of existing corporation valve.

c) Dewater excavation area as necessary to ensure clear visual of repair area on main.

d) Place stainless steel repair clamp over existing tap area per manufacturer’s requirements and place protective wrapping over affected area.

e) Coordinate with City of Saginaw staff to reinstate main pressure and perform a visual leak test of the repair clamp.

MEASUREMENT AND PAYMENT

The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

Pay Item	Pay Unit
Water Main, 6 inch, Tr Det G, Modified	Foot
Water Main, 8 inch, Tr Det G, Modified	Foot
Water Main, 12 inch, Tr Det G, Modified	Foot
Connection to Existing 4 inch Water Main	Each
Connection to Existing 6 inch Water Main	Each
Connection to Existing 8 inch Water Main	Each
Connection to Existing 10 inch Water Main	Each
Gate Valve and Box, 6 inch, Modified	Each
Gate Valve and Box, 8 inch, Modified	Each
Gate Valve and Box, 12 inch, Modified	Each
Hydrant, Complete, 6 inch	Each
Hydrant, Rem, Modified	Each
Water Serv, Modified	Each
Water Serv, Long, Modified	Each
Water Serv, Private	Each
Abandon Existing Water Main, In Place	Lump Sum

Water main of the sizes and trench detail specified will be measured in place per foot, along the centerline of the pipe, with no deductions for fittings. All water main pipe shall be placed utilizing a trench box to minimize the required trench width or as approved by the Engineer. The price shall include payment in full for furnishing all material, labor, and equipment required to perform the work specified herein and shown on the plans, including flushing and disinfecting the main, furnishing and installing all fittings, gaskets, wedges, insulation, bracing or sheeting, blocking, thrust blocks, air reliefs, tracer wire, tracer wire boxes, removal of existing abandoned utilities, and all other miscellaneous items necessary for the installation of pipe.

Payment for all material, labor and equipment necessary to remedy an unsatisfactory testing, including removing and replacing any backfill, shall be considered as included in the contract unit price for **Water Main, __ inch, Tr Det__, Modified**.

Temporary sewer services rerouted to avoid conflict with the proposed water main are included in the unit price for **Water Main, __ inch, Tr Det__, Modified**.

Dewatering operations, trench and or pipe, associated with Alterations to the Municipal Water System will not be paid for separately, but will be included in the contract unit prices bid for other related contract items.

The cost of excavation, disposal of excess material, and furnishing, placing, and compacting the backfill for the water main pipe and accessories will be considered as included in the contract unit price bid for other related contract items unless otherwise specified.

Removal of the existing water main within the influence of the roadway, as required to construct the proposed water main, shall be included in the lump sum price bid for **Abandon Existing Water Main, In Place** or other related contract items unless otherwise specified. Any cutting and capping necessary to abandon water main in place is included in **Abandon Existing Water Main, In Place**. Any existing gate valves to be abandoned in place shall have risers removed to a minimum depth of 18 inches below finished grade and will be included in lump sum price bid for **Abandon Existing Water Main, In Place**. All water mains abandoned in place require flowable fill backfill. Flowable fill is included in the pay item for **Abandon Existing Water Main, In Place**.

The removal of Valve Boxes and Water Shutoffs shall not be paid for separately but shall be considered included in the item **Abandon Existing Water Main, In Place**.

Removal of other existing abandoned utilities encountered during construction including abandoned steam lines, gas main, abandoned electrical conduits, ducts, concrete encasement, valves, structures, etc. that is necessary for removal in order to install the proposed water main will not be paid for separately and is included in the unit price for water main pay items.

Hydrant, Rem, Modified shall be measured and paid for at the contract unit price each, which price shall be payment in full for all labor, material, removal of bollards, removal of existing valve and delivery of existing hydrant and valve to the municipality storage yard and equipment necessary to accomplish this work.

Gate valves and boxes, including tapping valves, and butterfly valves and boxes of the size and type specified will be measured and paid for at the contract unit price each, which shall be payment in full for all labor, material, valve stem risers, extensions, and equipment necessary to accomplish this work. Any costs to adjust boxes on new valves to final elevations, including pavement repairs per the City of Saginaw and MDOT details shall be included in the listed pay item and not paid for separately.

Hydrant, Complete, 6 inch will be paid for at the contract unit price each, which shall be payment in full for all labor, material, hydrant extensions, hydrant lock, concrete collar, and equipment necessary to accomplish this work. A maximum of 20 feet of 6-inch pipe for the lead from the main shall be included in the listed pay item.

Connection To Existing ___inch Water Main, as specified shall be measured and paid for at the contract unit price each for the size of the existing pipe being connected to, which shall be payment in full for all labor, material, backfill, excavation, tapping sleeves, solid sleeves, reducers, plugs, and equipment necessary to accomplish this work.

Water Serv, Modified and **Water Serv, Long, Modified**, as specified shall be measured and paid for at the contract unit price each, which shall be payment in full for all labor, material, saddles, corporation stops, fittings, adapters, curb stops and box, and equipment necessary to accomplish this work including sight hole excavation and restoration. **Water Serv, Modified** is a service of 30 feet or less in length. **Water Serv, Long, Modified** is a service more than 30 feet in length.

Curb Stop and Box, as specified shall not be paid for separately but shall be included in the item **Water Serv, Modified** or **Water Serv Long, Modified**.

Private irrigation equipment including sprinkler heads, valves, and piping which interfere with the Contractor's work shall be removed and stockpiled at the back of the right-of-way and shall be included in the item **Water Serv, Modified** or **Water Serv Long, Modified**.

Water Serv, Private, for sizes ranging from ¾ inches to 1½ inches, as specified on the plans, will be paid for at the contract unit price each, from curb stop to the end point inside dwelling with no

deductions for fittings; which shall be payment in full for all labor, material, isolation valve, and equipment necessary to accomplish this work. **Water Serv, Private** shall include restoration of all disturbed areas including concrete walkways, landscaping, and plantings removal and replacement.

Water Main, Cut and Plug. The unit price for **Water Main, Cut and Plug** includes the cost of cutting the existing water main, providing and placing the required plug, and trust block.

CITY OF SAGINAW
SPECIAL PROVISION
FOR
SUBGRADE UNDERCUTTING

COS:TJH **1 of 1** **APRIL 2026**

DESCRIPTION
This work shall meet the requirements of sections 205 and 902 of the Standard Specifications for Construction except as herein specified.

MATERIALS
All undercutting beneath the proposed road section shall be backfilled with crushed limestone conforming to 21AA aggregate and complying with section 902 of Standard Specifications for Construction.

For compaction requirements, refer to section 302 of the Standard Specifications for Construction.

No crushed concrete shall be accepted.

CONSTRUCTION
Construction shall be in accordance with subsection 205.03, and section 902 of the Standard Specifications for Construction.

Contractor shall dispose of all undercut material at no additional cost to the City.

MEASUREMENT AND PAYMENT
The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

Pay Item	Pay Unit
Subgrade Undercutting, Type II, Modified	Cubic Yard

This item will be measured in place, by volume in cubic yards and will be paid for at the contract unit price.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
VERTICAL EXPLORATORY INVESTIGATION

COS Page 1 of 2 4-6-26

a. Description. This work consists of providing all labor, equipment, and materials necessary to excavate an exploratory trench, expose an existing culvert, sewer, sump discharge or utility, and verifying the condition, size, material, elevation and alignment, and backfilling the trench. Perform the work in accordance with section 204 of the Standard Specifications for Construction and the contract. Locate utility crossings and service leads as a part of the work. Exploratory work required for locating existing utilities will not be paid for separately unless specifically called out on the plans or if the Engineer gives the Contractor explicit permission in advance of the excavation. The intent of this work is not to provide payment to the Contractor for locating each existing utility throughout the project. The Contractor is responsible for "using reasonable care to establish the precise location of the underground facilities in advance of construction" (2013 PA 174 - MISS DIG Underground Facility Damage Prevention And Safety Act) as a part of the overall project contract.

b. Materials. Ensure if the trench is located within the limits of pavement or within a 1 on 1 influence of pavement, backfill the trench with Class II or III granular material, as directed by the Engineer, and compact to at least 95 percent of the maximum unit weight. If the trench is located outside of the limits of pavement, excavated material from the trench may be used to backfill the trench and compacted to at least 95 percent of the maximum unit weight, unless otherwise directed by the Engineer.

c. Construction. Exploratory excavation shall be performed by the Contractor only after approval from the Engineer. The limits of disturbed areas and time spent in searching for unknown utility and structure conditions or locations shall be monitored and determined by the Engineer as the work is progressing.

Excavate the exploratory trench to expose the culvert, sewer pipe, or other facility to verify the condition, size, material, elevation and alignment of the pipe or facility. Perform all work in conformance with 2013 PA 174 - MISS DIG Underground Facility Damage Prevention And Safety Act. Contact the MISS DIG System a minimum of 3 full business days (72 hours) prior to beginning trenching. Backfill the exploratory trench only after the Engineer has approved it for backfilling and no later than 24 hours after approval has been given. Dispose of excess material in accordance with the Standard Specifications for Construction.

Replace or repair the exposed pipe or facility in accordance with other contract pay items as directed by the Engineer. Repair of exposed culverts and sewers damaged by exploratory or excavating operations is the responsibility of the Contractor.

d. Measurement and Payment. The completed work as measured for Exploratory Excavation will be paid for at the contract unit price for the following contract item (Pay Item):

Pay Item	**Pay Unit**
Exploratory Investigation, Vertical, Modified	Foot

Exploratory Investigation, Vertical, Modified will be measured by the foot from the top of existing grade vertically to the bottom of the excavation, or as approved by the Engineer. Exploratory Investigation, Vertical, Modified includes all costs associated with repair or replacement resulting from the Contractor's activities. Payment shall include all labor, tools, materials, equipment and machinery necessary to excavate, backfill, and compact to assist in the determination of buried utilities and/or structures. Providing necessary lane, shoulder and/or sidewalk closures required to perform work is included in Minor Traf Devices.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
SIDEWALK GRADING, MODIFIED

COS:TJH **1 of 1** **04/17/2026**

Description

This work shall consist of all excavation, including earth, necessary to shape the subgrade and aggregate base to the cross-sections shown on the plans for sidewalks, curbs, drive approaches, etc. within the construction limits of the project. The work shall include proper disposal of excavated materials. This work shall also include all embankment and grading necessary to shape areas behind curb and gutter, around all drives and sidewalks to allow for placement of topsoil.

Materials

Materials used for embankment shall conform to the requirements of Sections 205 and 902 of Michigan Department of Transportation 2020 Standard Specifications for Construction.

Construction Methods

This work shall conform to the requirements of Section 205 of Michigan Department of Transportation 2020 Standard Specifications for Construction for the grading, earth excavation, embankment and density except as modified herein.

Measurement and Payment

The completed work as measured for **Sidewalk Grading, Modified** will be paid for at the contract unit price for the following contract item (Pay Item).

Pay Item	Pay Unit
Sidewalk Grading, Modified	Square Yard

Sidewalk Grading, Modified will be measured by square yard and depth to be as shown in the plans. Unit price shall be payment in full for all labor, equipment and materials, including embankment, excavation and disposal of excavated material needed to accomplish this work.

Approximately 100 cubic yards of earth will be excavated in front of, under, and behind the curb and gutter and sidewalk. Suitable excavated material, as determined by the engineer, may be used as fill material behind proposed curb. Approximately 30 cubic yards of embankment will be needed. Use of excavated material for fill material will be considered as included in the work of Sidewalk Grading, Modified.

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
COLD-MILLING CONCRETE PAVEMENT

COS:THJ 1 of 1 APRIL 2026

a. Description. Accurately remove the top portion of an existing concrete pavement to the depth and cross section shown on the log or plans, and as directed by the Engineer.

b. Equipment. Use cold-milling machine(s) equipped with positive depth control adjustments and a positive means for controlling the cross slope. The cold-milling equipment used must be capable of removing the chips from the pavement and preventing dust from escaping into the air.

c. Construction. Cold-mill the existing concrete pavement to the depth and cross section indicated on the log or plans, and as directed by the Engineer. Collect and dispose of the excess material resulting from the operations as specified in subsections 104.07.D and 204.03.B of the Standard Specifications for Construction.

Provide a final surface texture that is reasonably smooth and free of gouges, holes or large depressions. Prevent damage to the adjacent concrete. Where material is removed below the depth specified due to poor cold-milling practice, backfill and compact the resulting holes or depressions by hand patching according to subsection 501.03.C.9. Repair all damage to adjacent surfaces as directed by the Engineer. All costs associated with this corrective work will be borne by the Contractor.

d. Measurement and Payment. The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

Pay Item	**Pay Unit**
Cold Milling Conc Pavt	Square Yard

Cold Milling Conc Pavt includes removing concrete pavement as described herein, loading removed debris, hauling debris, and disposal of the debris. Material picked up by sweeping after cold-milling will not be paid for separately. This work will be measured by area in square yards, regardless of the number of passes required to remove the concrete to the required depth.

SHEET INDEX

01 – COVER SHEET
02 – STANDARD SYMBOLS
03 – PLAN VIEW AND PROFILE
04 – PLAN VIEW AND PROFILE
05 – PLAN VIEW AND PROFILE
06 – PLAN VIEW AND PROFILE
07 – PLAN VIEW AND PROFILE
08 – PLAN VIEW AND PROFILE
09 – PLAN VIEW AND PROFILE
10 – PLAN VIEW AND PROFILE
11 – PROFILES AT INTERSECTIONS
12 – PROFILES AT INTERSECTIONS
13 – PLAN VIEW AND PROFILE
14 – PLAN VIEW AND PROFILE
15 – WATER MAIN DETAILS 1
16 – WATER MAIN DETAILS 2
17 – PAVEMENT DETAILS 1
18 – PAVEMENT DETAILS 2
19 – PAVEMENT AND CURB DETAILS
20 – MILL AND RESURFACE NOTES
21 TO 25 – SOIL EROSION AND SEDIMENTATION CONTROL

CITY OF SAGINAW

THE PROPOSED IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS, THE LATEST M.D.O.T. STANDARD ROAD PLANS, SECTION B (4R) OF MDOT LOCAL AGENCY PROGRAM GUIDELINES FOR GEOMETRICS DATED 3/4/14, AND IN ACCORDANCE WITH AASHTO, A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS, 2011.

THE PLACEMENT OF PAVEMENT MARKINGS AND SIGNS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2011 EDITION.

MISS DIG UTILITY ALERT

THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT MISS DIG UTILITY PROTECTION SERVICE (1-800-482-7171) OR 811 TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES. UNDERGROUND UTILITY LOCATIONS AS SHOWN ON THE PLANS WERE OBTAINED FROM UTILITY OWNERS AND WERE NOT FIELD LOCATED. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. ALL UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED WITH LIKE MATERIAL IN ACCORDANCE WITH THE UTILITY OWNERS REQUIREMENTS. THE CONTRACTOR SHALL VERIFY THE DEPTH AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES. THE EXACT LOCATION OF EXISTING UTILITIES SHALL BE DETERMINED BY HAND DIGGING.

WATER MAIN REPLACEMENT

ARTHUR STREET AND MAPLE STREET

DEPARTMENT OF PUBLIC SERVICES

–ENGINEERING DIVISION–

UTILITIES AND MUNICIPALITIES

CABLE TELEVISION
CHARTER COMMUNICATIONS
2525 STATE STREET
SAGINAW, MI 48602
(989) 233-9404 (CELL)
MARK KELLY

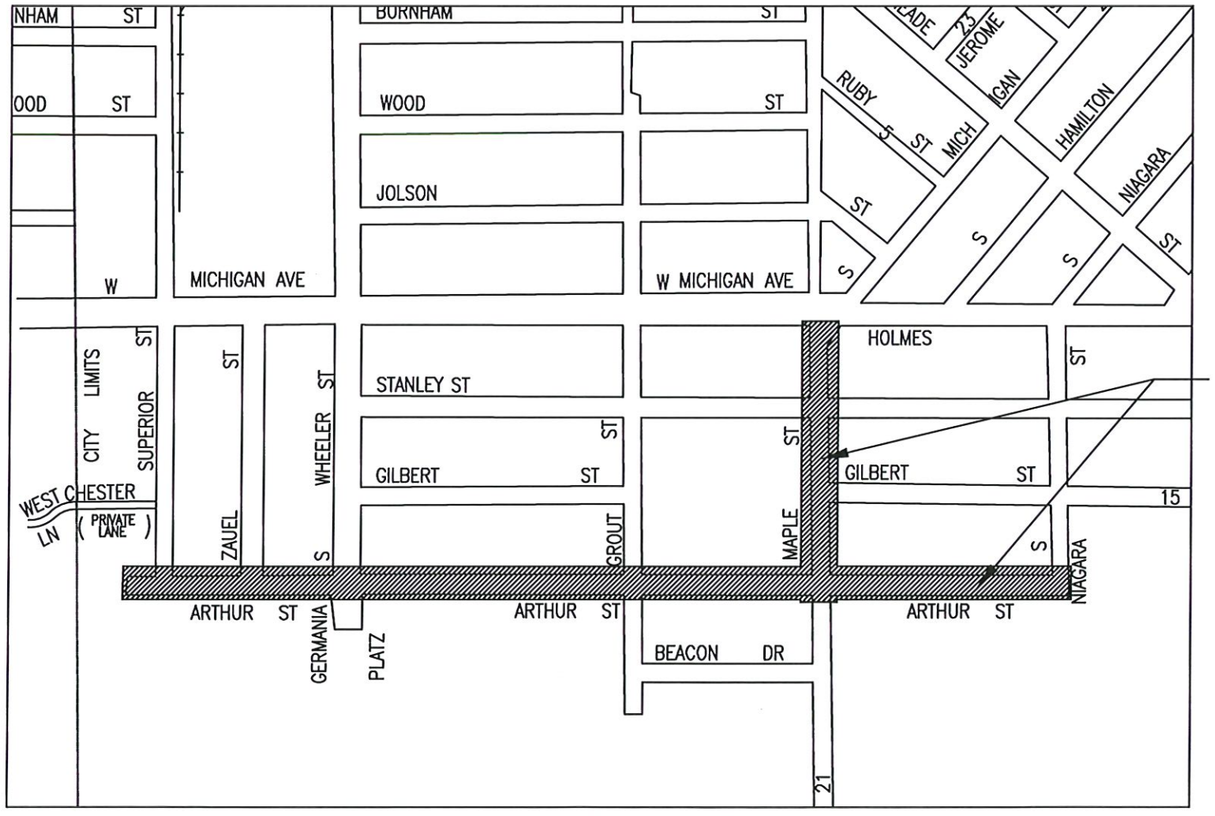
GAS
CONSUMERS ENERGY
2400 WEISS STREET
SAGINAW MI 48602
(989) 791-5869
JOSEPH RODEA

TELEPHONE
AT&T
309 S. WASHINGTON AVENUE
SAGINAW, MI 48607
MIKE SZYMKOWIAK

ELECTRIC
CONSUMERS ENERGY
2400 WEISS STREET
SAGINAW, MI 48602
GREG SQUANDA

TRAFFIC SIGNALS, SIGNS, STREET LIGHTS
CITY OF SAGINAW
1435 S. WASHINGTON AVENUE
SAGINAW, MI 48601
(989) 737-5583
JOE NUGENT

SEWER AND WATER
CITY OF SAGINAW
1701 S. JEFFERSON AVENUE
SAGINAW, MI 48601
(989) 759-1614
JOSH HOFFMAN



LOCATION MAP
NO SCALE

CONTRACT FOR:

CONTRACT LENGTH

STATE OF MICHIGAN
TRAVIS J. HARE
ENGINEER
No. 6201070362
LICENSED PROFESSIONAL ENGINEER

CITY OF SAGINAW APPROVAL

Digitally signed by Travis J. Hare
Date: 2026.04.21 10:42:37-04'00'

TRAVIS HARE, P.E.
DEPUTY DIRECTOR OF PUBLIC SERVICES

DATE

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	ITEM	SHEET NO.
34	C-1723	N/A	N/A	01

PLOT DATE: April 20, 2026
DRAWING PATH:

WATER & DRAINAGE SYMBOLS

- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN
- METER PIT
- EXISTING SEWER MANHOLE
- PROPOSED SEWER MANHOLE
- EXISTING CULVERT END SECTION
- PROPOSED CULVERT END SECTION
- EXISTING HEADWALL
- PROPOSED HEADWALL
- WATER SHUT OFF
- EXISTING WATER VALVE
- PROPOSED WATER VALVE
- EXISTING CLEAN OUT
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- WATER CAP
- VALVE PIT
- PROPOSED WATER MAIN FITTINGS
- PROPOSED SEWER MAIN FITTINGS
- ADJ–HYD — ADJUST FIRE HYDRANT
- ADJ — ADJUST STRUCTURE
- ADJ–_ — ADJUST DRAINAGE STRUCTURE W/COVER
- ADJ–B/O — ADJUST DRAINAGE STRUCTURE BY OTHERS
- REL–B/O — RELOCATE – BY OTHERS
- SR–_ — SIDEWALK RAMP TYPE
- EXISTING WATER MAIN ABANDONED IN PLACE

REAL ESTATE/PARCEL SYMBOLS

- PROPERTY OWNERSHIP ARROW
- CONTIGUOUS PROPERTY SYMBOL
- 401-069 — PARCEL/TAX ID NUMBER
- PARCEL LINES

MISCELLANEOUS SYMBOLS

- HAZARDOUS OR FLAMMABLE MATERIAL — USED WITH UNDERGROUND GAS AND ELECTRICAL LINES
- CAUTION – CRITICAL UNDERGROUND UTILITY — USED WITH UNDERGROUND TELEPHONE AND FIBER OPTICS LINES
- 36" — PROPOSED CULVERT/SEWER
- EX 12" CMP — EXISTING CULVERT/SEWER

UTILITIES SYMBOLS

- POWER POLE
- GUY POLE
- LIGHT POLE
- TELEPHONE POLE
- TELEPHONE MANHOLE
- GAS VALVE
- FIBER OPTIC MARKER
- ELECTRIC MANHOLE
- HAND HOLE
- GUYWIRE
- RAILROAD SIGNAL
- ELECTRICAL TRANSFORMER RISER
- TELEPHONE PEDESTAL/RISER
- TRAFFIC SIGNAL ON POLE
- PEDESTRIAN SIGNAL
- BOLLARD
- DECORATIVE LIGHT POLE
- ELECTRICAL RECEPTACLE
- 2–WAY SIGNAL HEAD
- 3–WAY SIGNAL HEAD
- 4 WAY SIGNAL HEAD
- STRAIN POLE
- STRAIN POLE WITH CONTROLLER
- STRAIN POLE WITH PEDESTRIAN SIGNAL

MISCELLANEOUS SYMBOLS

- EXISTING STRUCTURE NUMBER
- PROPOSED STRUCTURE NUMBER
- PINE TREE
- DECIDUOUS TREE
- RIPRAP
- SIGN
- SIGN2
- SWAMP OR WETLAND
- BUSH OR SHRUB
- STUMP
- ROW MARKER
- PROPERTY CORNER
- REFERENCE POINT
- REFERENCE MARKER
- T.H.#__ — TEST HOLE NO.
- MONUMENT
- BENCH
- BIKE RACK
- BM — BENCHMARK
- CONTROL POINT
- MONUMENT
- MW — MONITORING WELL
- PROPERTY IRON

UTILITIES PATTERNS

- ELEC — ELECTRICAL LINE
- 24"GAS — GAS LINE
- 12"OIL — OIL LINE
- TELE — TELEPHONE LINE
- 18" SWR — SEWER LINE
- CTV — CABLE TV
- TELE FO — FIBER OPTICS
- POWER TRANSMISSION LINE
- TREE LINE / HEDGE ROW
- FENCE
- GUARD RAIL

PROPOSED PATTERNS

- 6" — CATCH BASIN LEADS
- 12" — SEWER LINE
- 36"WM — WATER MAIN
- CURB AND GUTTER
- REVERSE CURB AND GUTTER
- PAVEMENT
- SIDEWALK
- EASEMENT
- FENCE

TYPICAL CROSS SECTION LEGEND

- REMOVAL OF PAVEMENT, CURB & GUTTER, SIDEWALK AND COLD MILLING
- CRUSH & SHAPE AND RUBBLIZE
- HMA TOP COURSE & WEDGING
- HMA LEVELING COURSE
- HMA BASE COURSE
- AGGREGATE, SUBBASE, SIDEWALK, CURB & GUTTER, BARRIER AND VALLEY GUTTER
- CONCRETE PAVEMENT & SHOULDERS

PLAN SHEET DRIVE/APPROACH LEGEND

- CONCRETE
- HMA
- AGGREGATE
- SAND

PLAN SHEET REMOVAL LEGEND

- REMOVE HMA (NON–PARTICIPATING)
- REMOVE HMA (PARTICIPATING)
- REMOVE SIDEWALK (NON–PARTICIPATING)
- REMOVE SIDEWALK (PARTICIPATING)
- REMOVE BRICKWALK (NON–PARTICIPATING)
- REMOVE BRICKWALK (PARTICIPATING)
- REMOVE PAVEMENT (NON–PARTICIPATING)
- REMOVE PAVEMENT (PARTICIPATING)
- ABANDON VAULT
- REMOVING CURB, GUTTER AND CURB & GUTTER
- REMOVING (R)
- ABANDONING (A)
- SAVE (S)
- BULKHEAD (B)
- CLEARING (C)

R.O.W. PATTERNS

- EXISTING R.O.W.
- SECTION LINE

SOIL EROSION AND SEDIMENTATION CONTROL

- SLOPE RESTORATION — (3)
- INLET PROTECTION FABRIC DROP — (29)

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

STANDARD SYMBOLS
WATER MAIN REPLACEMENT
ARTHUR ST FROM SUPERIOR TO NIAGARA &
MAPLE ST FROM ARTHUR TO MICHIGAN

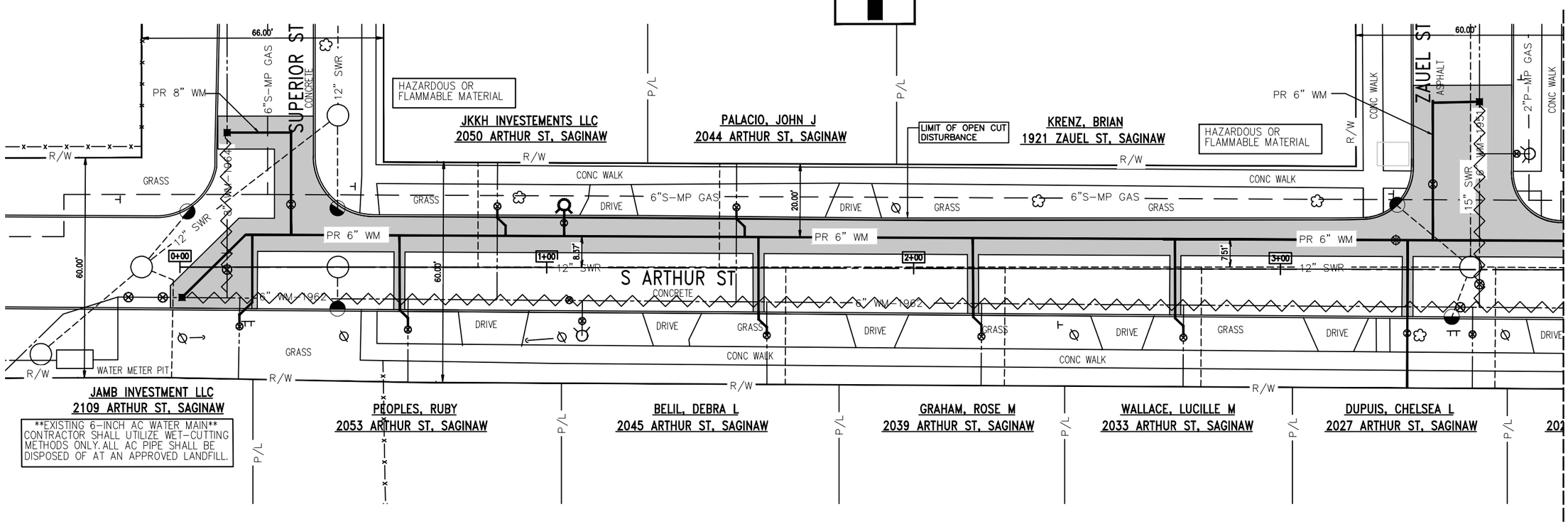
DESIGNED BY RR
DRAWN BY RR
CHECKED BY TH
APPROVED BY TH

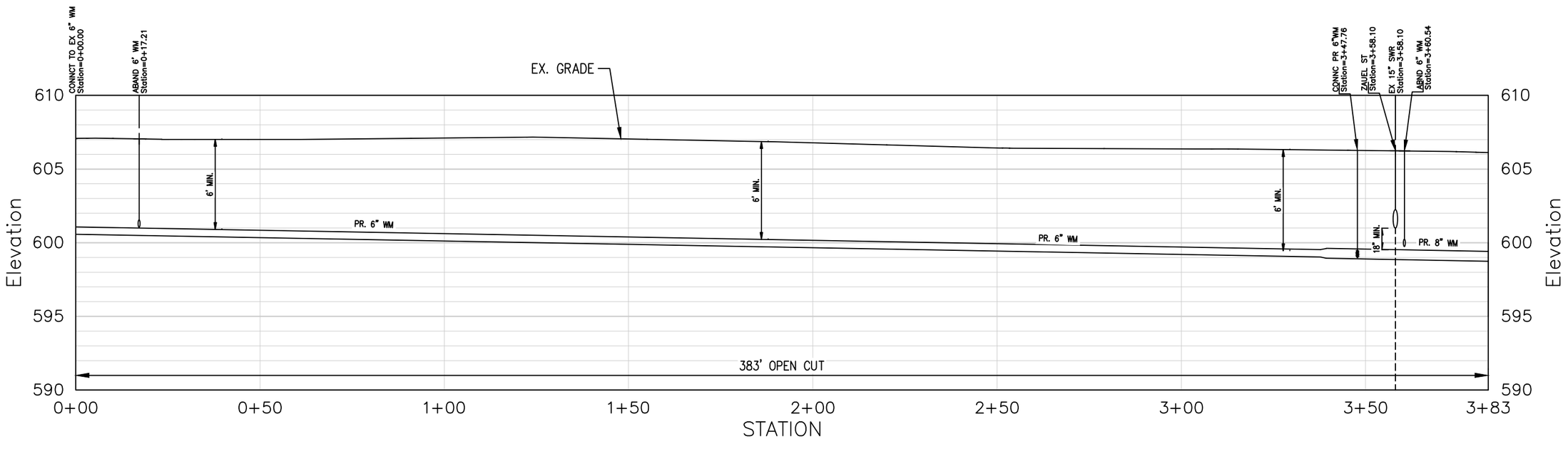
CONSTRUCTED
DATE OF PLAN NOVEMBER 2025
SCALE H:1" = 30'| V:1"=10'
SHEET 02 OF 25 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C–1723	N/A	N/A	02

PLOT DATE: April 20, 2026
DRAWING PATH:





PROPOSED WATER MAIN ARTHUR ST - SUPERIOR TO ZAUEL

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

PLAN VIEW AND PROFILE
WATER MAIN REPLACEMENT
ARTHUR ST FROM SUPERIOR TO NIAGARA &
MAPLE ST FROM ARTHUR TO MICHIGAN

DESIGNED BY	RR
DRAWN BY	RR
CHECKED BY	TH
APPROVED BY	TH
CONSTRUCTED	
DATE OF PLAN	NOVEMBER 2025
SCALE	H:1" = 30'| V:1"=10'
SHEET	03 OF 25 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1723	N/A	N/A	03

PLOT DATE: April 20, 2026
DRAWING PATH:

NORTH ARROW

MATCH LINE SHEET 03

MATCH LINE SHEET 05

HAZARDOUS OR FLAMMABLE MATERIAL

JACKSON, TELVIN
1920 ZAUEL ST, SAGINAW

CORSER PARTNERS LLC
2004 ARTHUR ST

HAZARDOUS OR FLAMMABLE MATERIAL

DOYLE, ROBERT C & LAFRENIERE, JULIE
1922 WHEELER ST, SAGINAW

HAZARDOUS OR FLAMMABLE MATERIAL

BOUZA, ROBIN L
21 ARTHUR ST, SAGINAW

DUNN, ELIZABETH J & TREJO, JANIE S
2015 ARTHUR ST, SAGINAW

WRIGTH, JOHN C
2003 ARTHUR ST, SAGINAW

EXISTING 8-INCH AC WATER MAIN CONTRACTOR SHALL UTILIZE WET-CUTTING METHODS ONLY. ALL AC PIPE SHALL BE DISPOSED OF AT AN APPROVED LANDFILL.

WERNER, JOSHUA W & BRITTANY D
1939 ARTHUR ST, SAGINAW

HAZARDOUS OR FLAMMABLE MATERIAL

S ARTHUR ST — CONCRETE

S WHEELER ST — ASPHALT

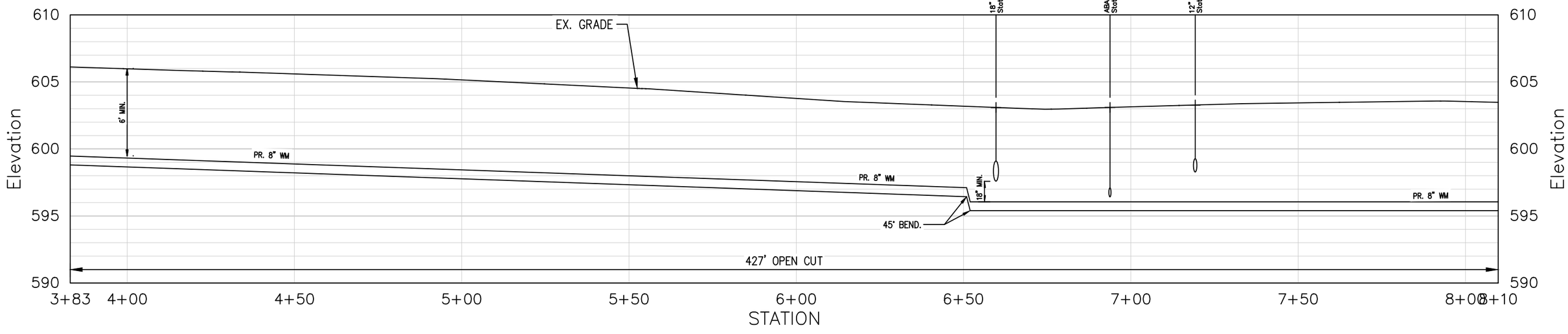
GERMANIA PLATZ — ASPHALT

CONC WALK · DRIVE · GRASS · R/W · P/L · 99.00' · 60.00' · 20.00' · 18.28'

PR 8" WM · PR 6" WM · 8"X6" TEE · 6"X6" CROSS · 6"S-MP GAS · 2" S-MP GAS

18" SWR · 8" WM 195' · 8" WM 194' · 8" WM 193'

4+00 · 5+00 · 6+00 · 7+00 · 8+00



PROPOSED WM ARTHUR ST - ZAUEL TO WHEELER

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

PLAN VIEW AND PROFILE
WATER MAIN REPLACEMENT
ARTHUR ST FROM SUPERIOR TO NIAGARA &
MAPLE ST FROM ARTHUR TO MICHIGAN

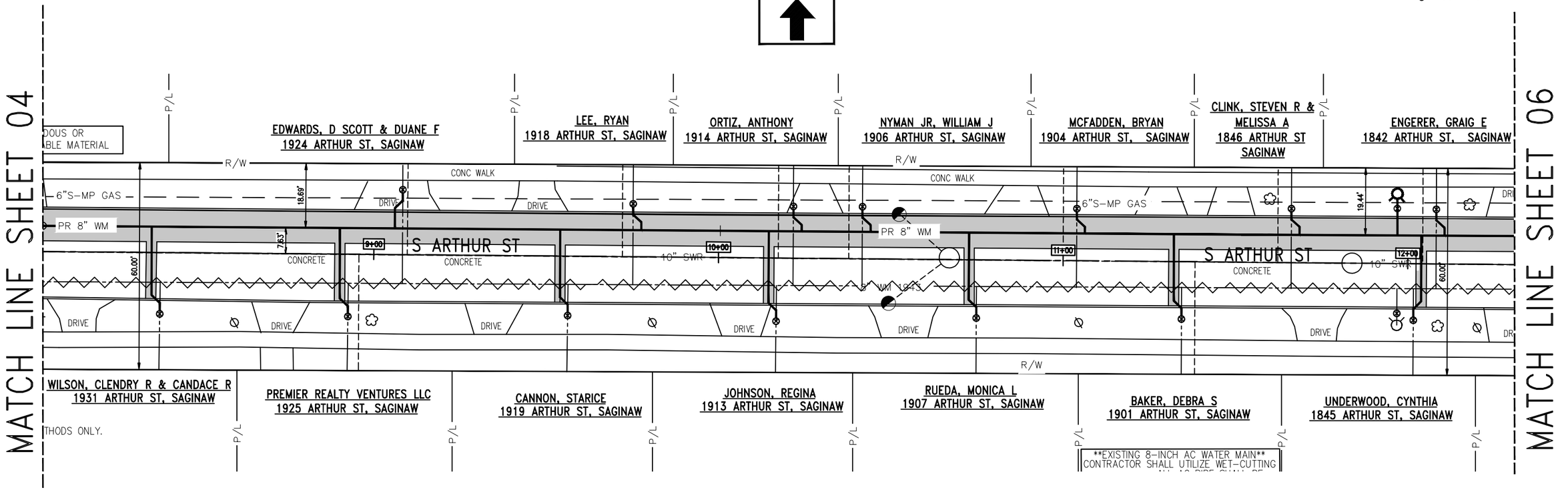
DESIGNED BY	RR
DRAWN BY	RR
CHECKED BY	TH
APPROVED BY	TH
CONSTRUCTED	
DATE OF PLAN	NOVEMBER 2025
SCALE	H:1" = 30' V:1"=10'
SHEET	04 OF 25 SHEETS

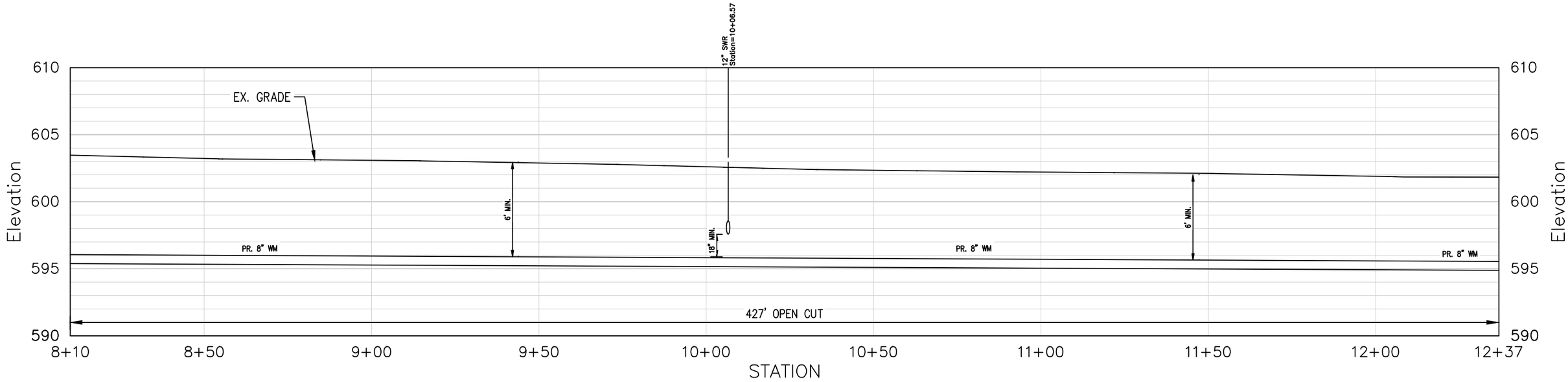
REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1723	N/A	N/A	04

PLOT DATE: April 20, 2026
DRAWING PATH:

NORTH ARROW





PROPOSED WM ARTHUR ST - WHEELER TO GROUT

CITY OF SAGINAW DEPARTMENT OF PUBLIC SERVICES –ENGINEERING DIVISION–	PLAN VIEW AND PROFILE WATER MAIN REPLACEMENT ARTHUR ST FROM SUPERIOR TO NIAGARA & MAPLE ST FROM ARTHUR TO MICHIGAN	DESIGNED BY RR DRAWN BY RR CHECKED BY TH APPROVED BY TH	CONSTRUCTED DATE OF PLAN SEPTEMBER 2025 SCALE H:1" = 30'| V:1"=10' SHEET 05 OF 25 SHEETS	REVISION: DATE / INITIALS	CONTROL SECTION N/A JOB NO. C-1723 FEDERAL PROJECT N/A ITEM N/A PLOT DATE: April 20, 2026 DRAWING PATH:	SHEET NO. 05

NORTH ARROW

MATCH LINE SHEET 05

MATCH LINE SHEET 07

PAREDES, ERNAN
1836 ARTHUR ST, SAGINAW

GOMEZ JR, JOSES JESUS
1826 ARTHUR ST, SAGINAW

YAKLIN, EDWARD & EBENHOEH, HOWARD
1822 ARTHUR ST, SAGINAW

MOBLEY, GLORIA
1816 ARTHUR ST, SAGINAW

HAZARDOUS OR FLAMMABLE MATERIAL

WILLIAMS, DERRICK D & GLORIA J
1923 MAPLE ST, SAGINAW

TRICE-VANN, DELEASHA M
1837 ARTHUR ST, SAGINAW

STRUDGEON, RAYMOND
1833 ARTHUR ST, SAGINAW

WILLIAMS, GLORIA JEAN
1827 ARTHUR ST, SAGINAW

L&V PROPERTIES LLC
1821 ARTHUR ST, SAGINAW

STEWART, ERICA
1815 ARTHUR ST, SAGINAW

KVETKO, MARTIN R
1809 ARTHUR ST, SAGINAW

WELCH, TANYA
1803 ARTHUR ST, SAGINAW

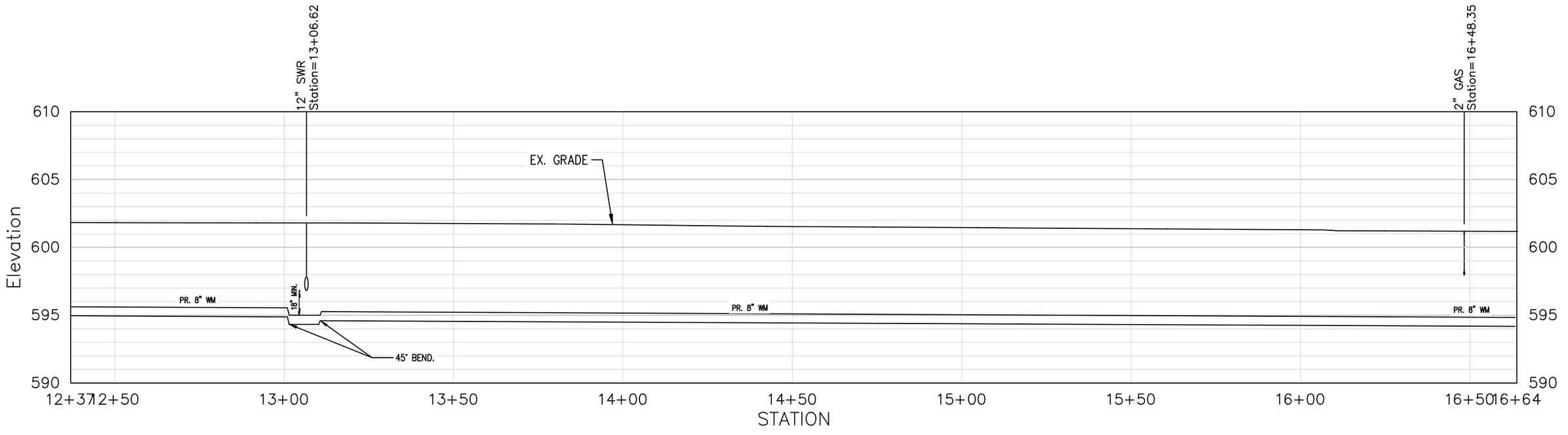
EXISTING 8-INCH AC WATER MAIN
CONTRACTOR SHALL UTILIZE WET-CUTTING METHODS ONLY. ALL AC PIPE SHALL BE DISPOSED OF AT AN APPROVED LANDFILL.

S ARTHUR ST
CONCRETE

13+00
14+00
15+00
16+00

12" SWR
8" WM 1943
PR 8" WM
6"S-MP GAS
2"S-MP GAS
4.82'
19.85'
60.00'

CONC WALK
DRIVE
R/W
P/L



PROPOSED WM ARTHUR ST - WHEELER TO GROUT - CONT.

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

PLAN VIEW AND PROFILE
WATER MAIN REPLACEMENT
ARTHUR ST FROM SUPERIOR TO NIAGARA & MAPLE ST FROM ARTHUR TO MICHIGAN

DESIGNED BY RR
DRAWN BY RR
CHECKED BY TH
APPROVED BY TH

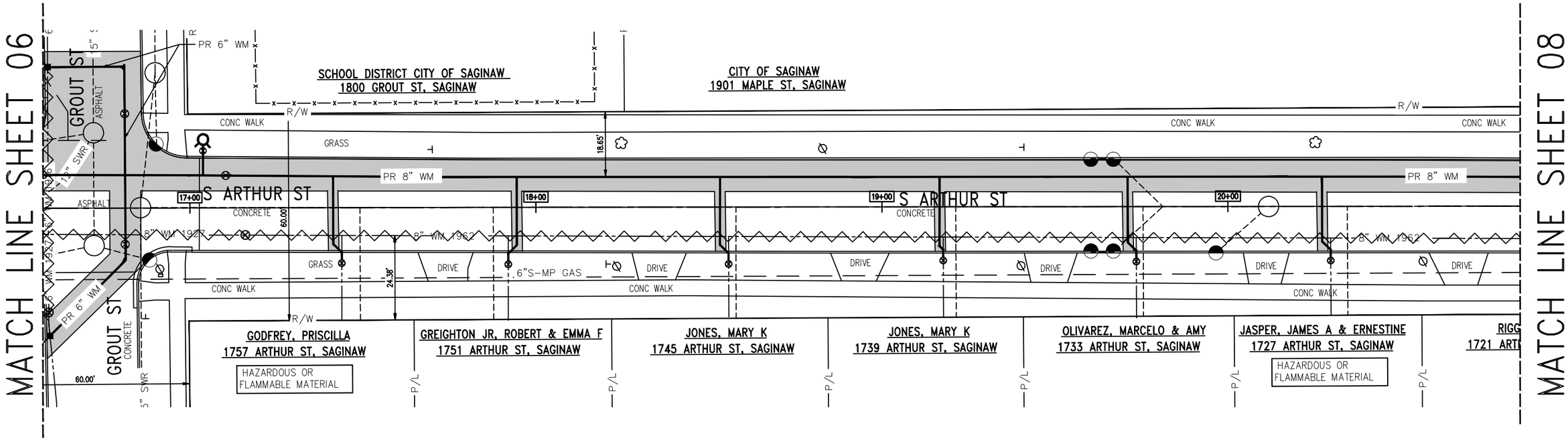
CONSTRUCTED
DATE OF PLAN SEPTEMBER 2025
SCALE H:1" = 30' V:1"=10'
SHEET 06 OF 25 SHEETS

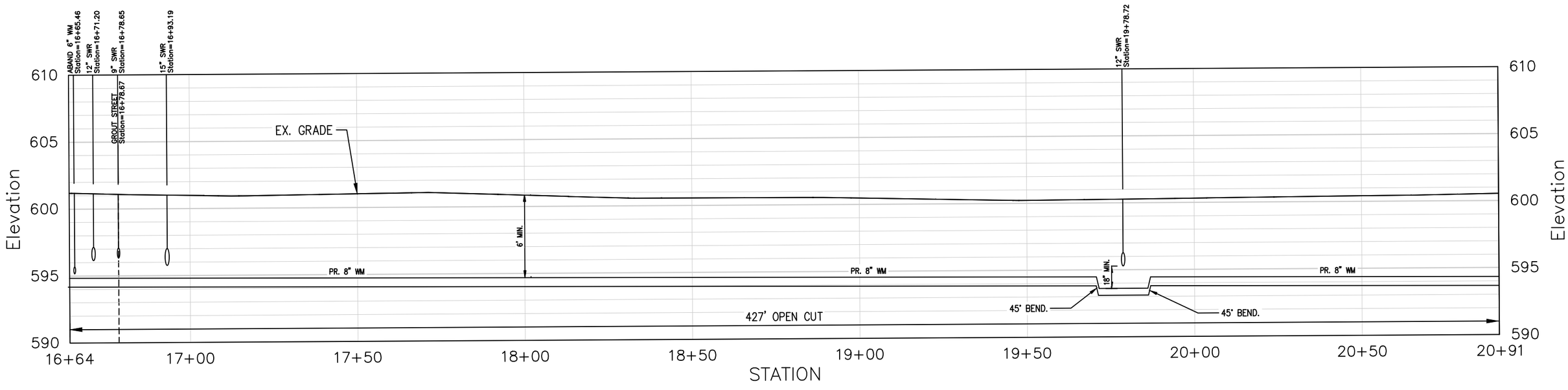
REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1723	N/A	N/A	06

PLOT DATE: April 20, 2026
DRAWING PATH:

NORTH ARROW





PROPOSED WM ARTHUR ST - GROUT TO MAPLE

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

PLAN VIEW AND PROFILE
WATER MAIN REPLACEMENT
ARTHUR ST FROM SUPERIOR TO NIAGARA & MAPLE ST FROM ARTHUR TO MICHIGAN

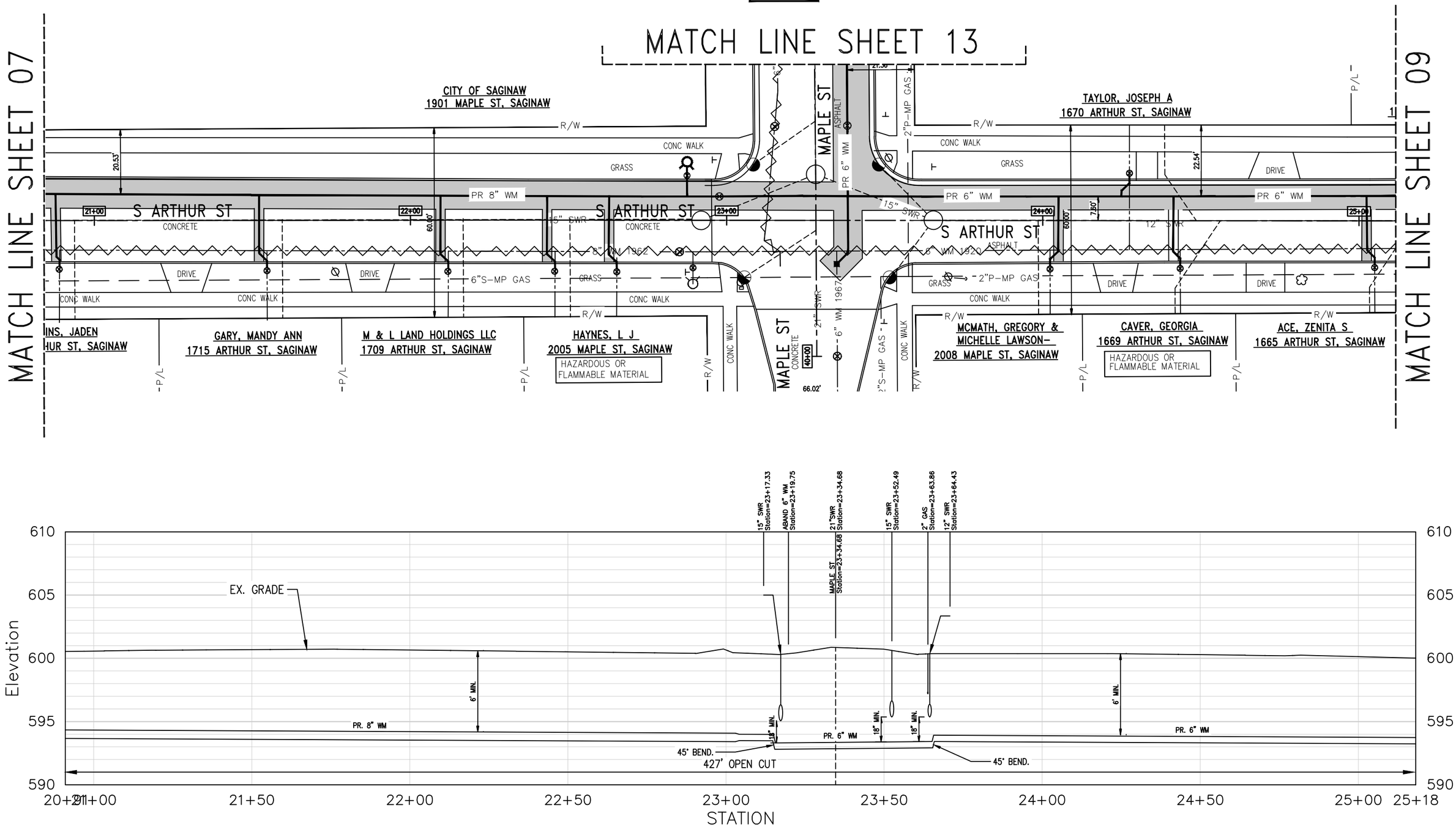
DESIGNED BY	RR
DRAWN BY	RR
CHECKED BY	TH
APPROVED BY	TH
CONSTRUCTED	
DATE OF PLAN	SEPTEMBER 2025
SCALE	H:1" = 30'| V:1"=10'
SHEET	07 OF 25 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1723	N/A	N/A	07

PLOT DATE: April 20, 2026
DRAWING PATH:

NORTH ARROW



PROPOSED WM ARTHUR ST - GROUT TO MAPLE - CONT.

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

PLAN VIEW AND PROFILE
WATER MAIN REPLACEMENT
ARTHUR ST FROM SUPERIOR TO NIAGARA &
MAPLE ST FROM ARTHUR TO MICHIGAN

DESIGNED BY RR
DRAWN BY RR
CHECKED BY TH
APPROVED BY TH

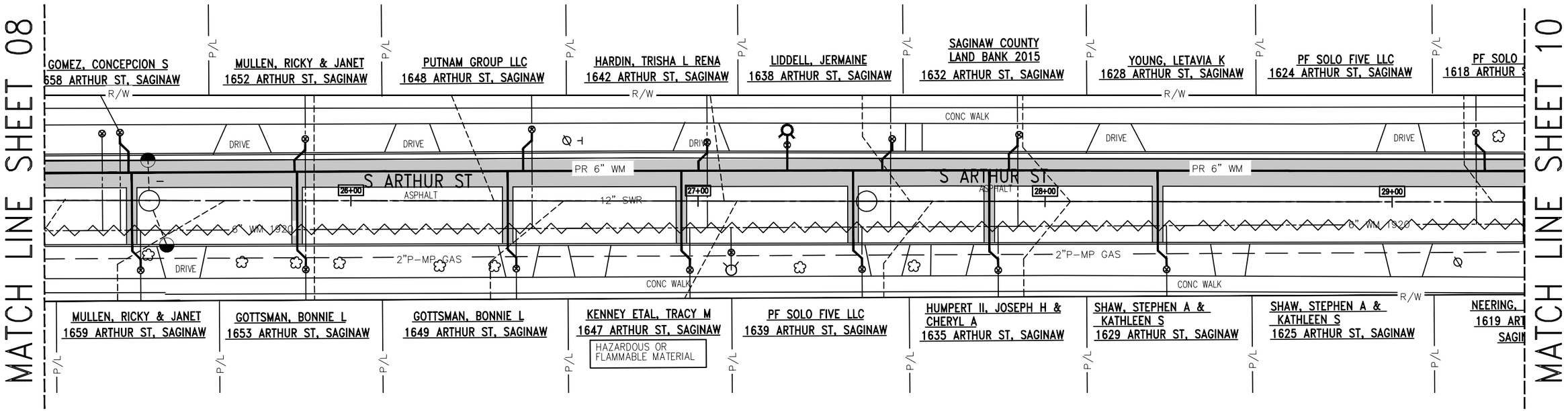
CONSTRUCTED
DATE OF PLAN NOVEMBER 2025
SCALE H:1" = 30'| V:1"=10'
SHEET 08 OF 25 SHEETS

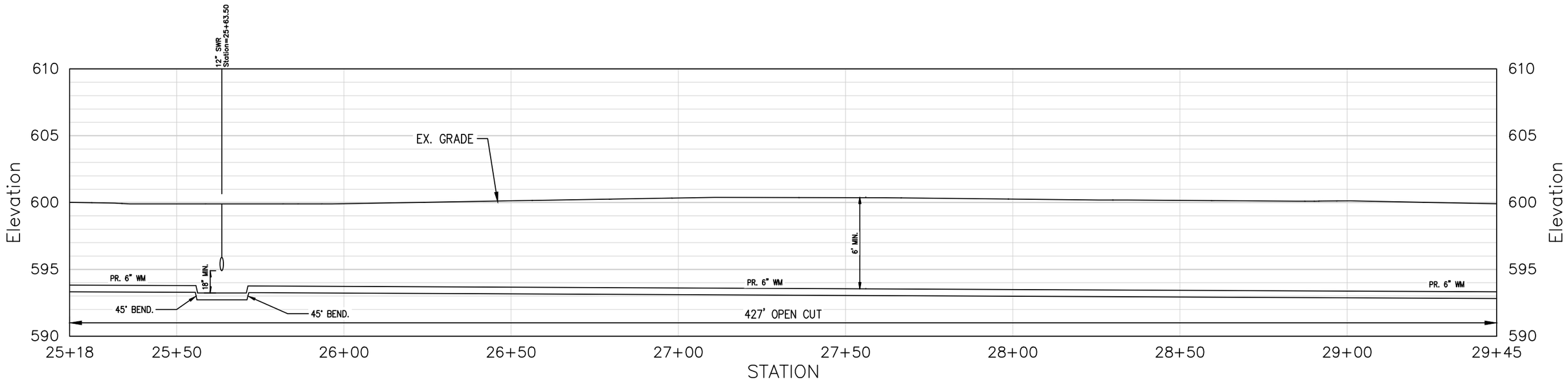
REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1723	N/A	N/A	08

PLOT DATE: April 20, 2026
DRAWING PATH:

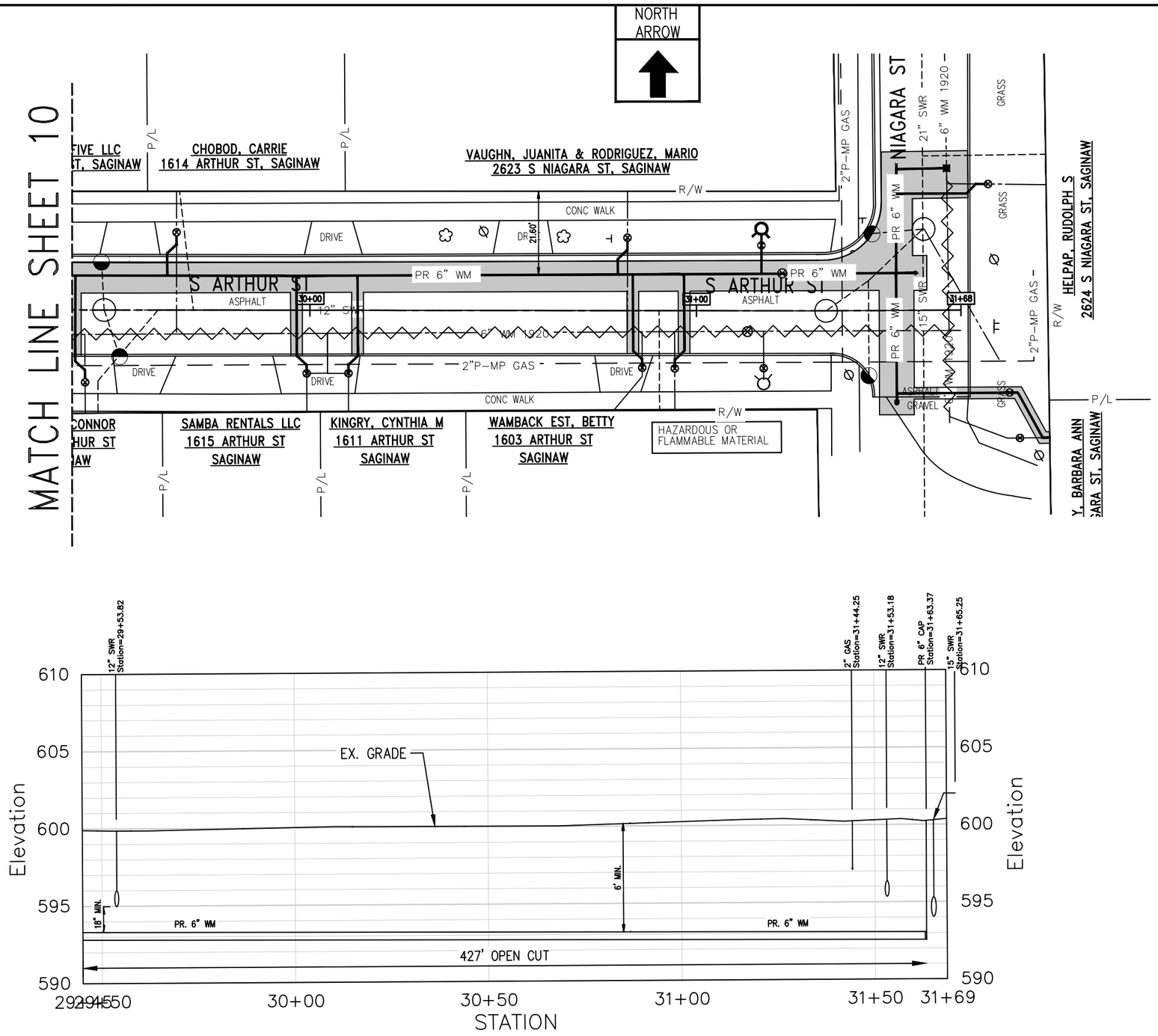
NORTH ARROW





PROPOSED WM ARTHUR ST - MAPLE TO NIAGARA

CITY OF SAGINAW DEPARTMENT OF PUBLIC SERVICES –ENGINEERING DIVISION–	PLAN VIEW AND PROFILE WATER MAIN REPLACEMENT ARTHUR ST FROM SUPERIOR TO NIAGARA & MAPLE ST FROM ARTHUR TO MICHIGAN	DESIGNED BY RR DRAWN BY RR CHECKED BY TH APPROVED BY TH	CONSTRUCTED DATE OF PLAN NOVEMBER 2025 SCALE H:1" = 30'| V:1"=10' SHEET 09 OF 25 SHEETS	REVISION: DATE / INITIALS	CONTROL SECTION: N/A JOB NO.: C-1723 FEDERAL PROJECT: N/A FEDERAL ITEM: N/A PLOT DATE: April 20, 2026 DRAWING PATH:	SHEET NO. 09



PROPOSED WM ARTHUR ST - MAPLE TO NIAGARA - CONT.

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

PLAN VIEW AND PROFILE
WATER MAIN REPLACEMENT
ARTHUR ST FROM SUPERIOR TO NIAGARA &
MAPLE ST FROM ARTHUR TO MICHIGAN

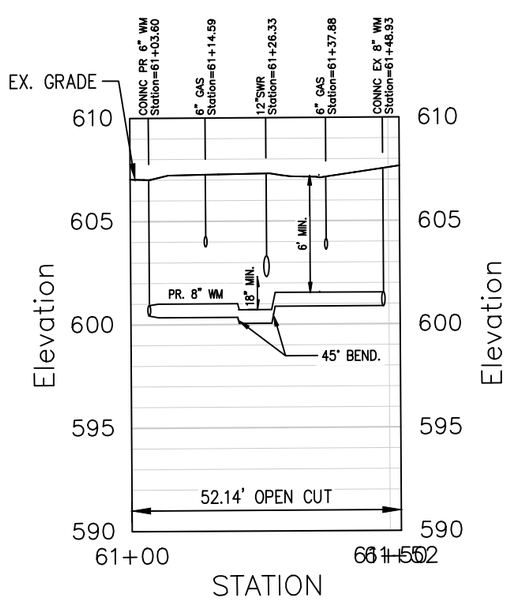
DESIGNED BY RR
DRAWN BY RR
CHECKED BY TH
APPROVED BY TH

CONSTRUCTED
DATE OF PLAN NOVEMBER 2025
SCALE H:1" = 30'| V:1"=10'
SHEET 10 OF 25 SHEETS

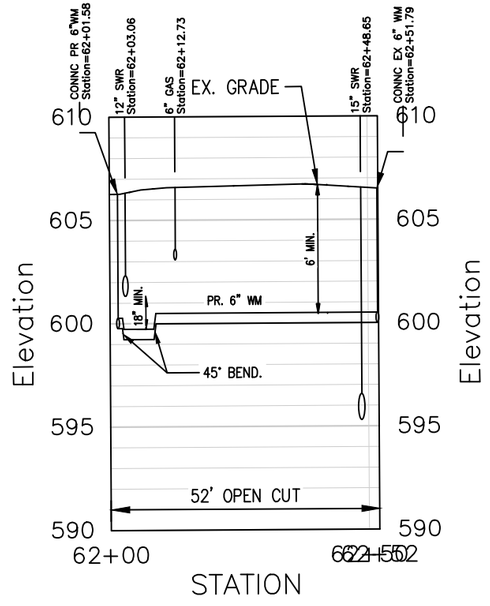
REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1723	N/A	N/A	10

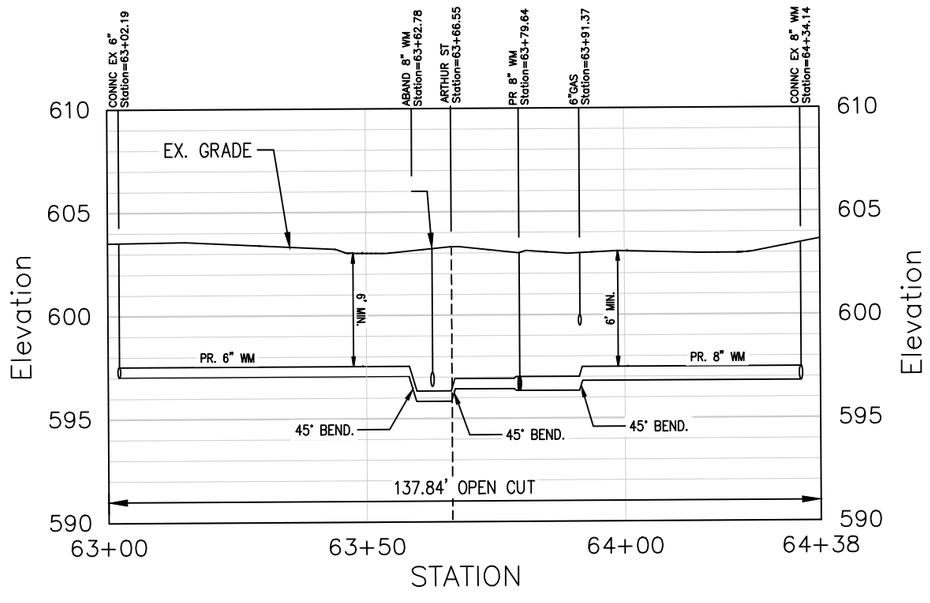
PLOT DATE: April 20, 2026
DRAWING PATH:



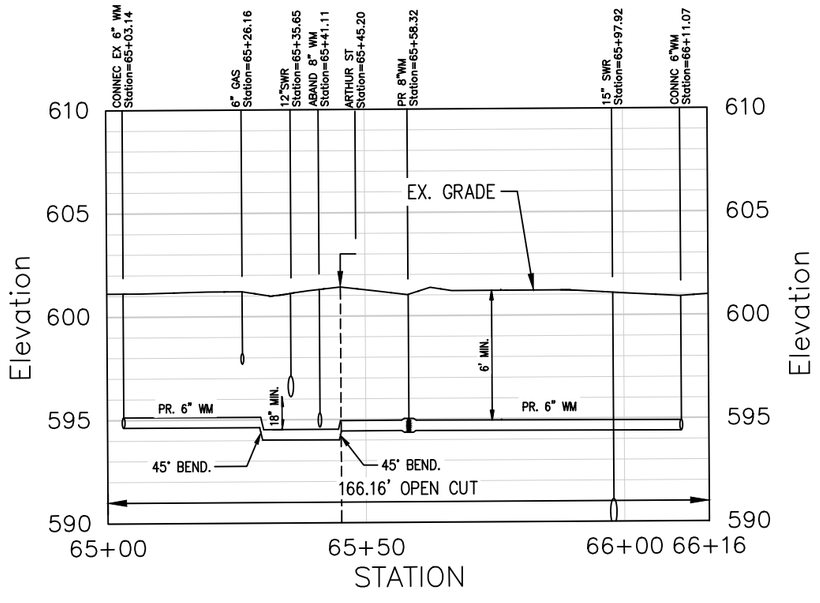
PROPOSED WM - SUPERIOR ST



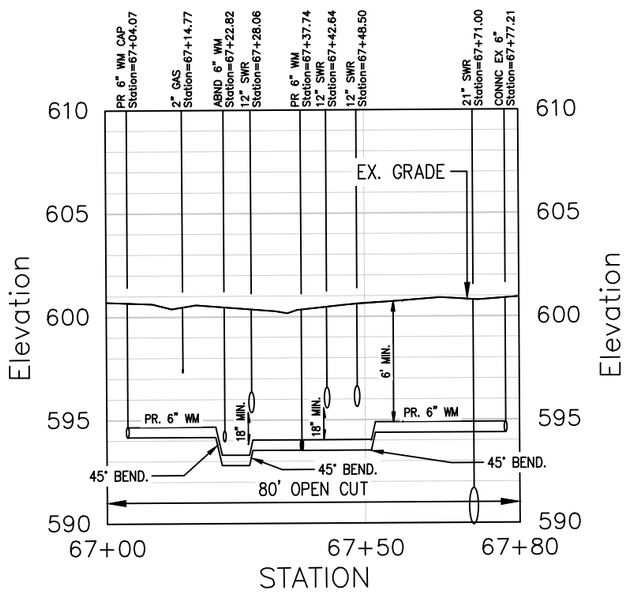
PROPOSED WM - ZAUEL ST



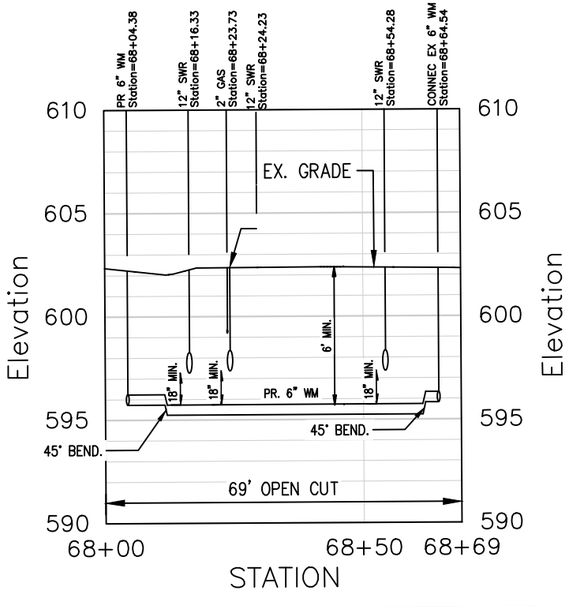
PROPOSED WM - WHEELER ST



PROPOSED WM - GROUT ST



PROPOSED WM - NIAGARA ST



PROPOSED WM - GILBERT ST

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

PROFILES AT INTERSECTIONS
WATER MAIN REPLACEMENT
ARTHUR ST FROM SUPERIOR TO NIAGARA &
MAPLE ST FROM ARTHUR TO MICHIGAN

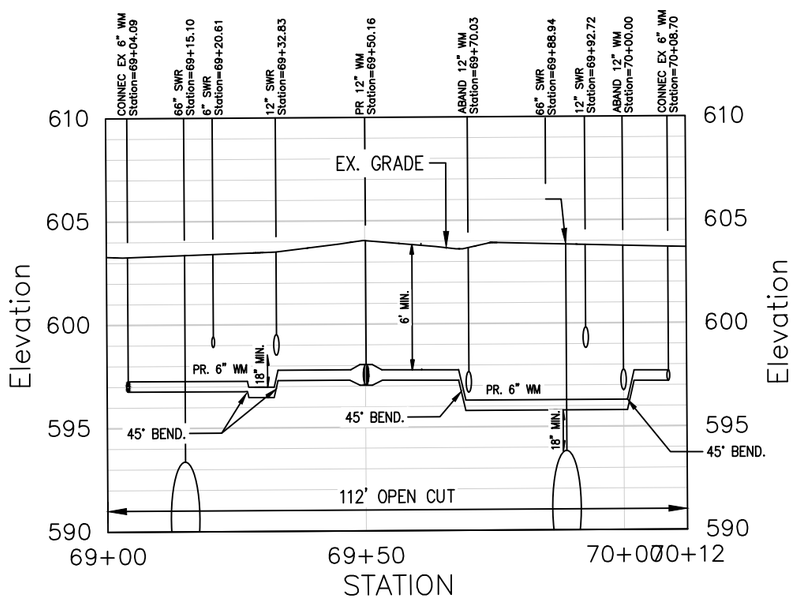
DESIGNED BY RR
DRAWN BY RR
CHECKED BY TH
APPROVED BY TH

CONSTRUCTED
DATE OF PLAN NOVEMBER 2025
SCALE H:1" = 30'| V:1"=10'
SHEET 11 OF 25 SHEETS

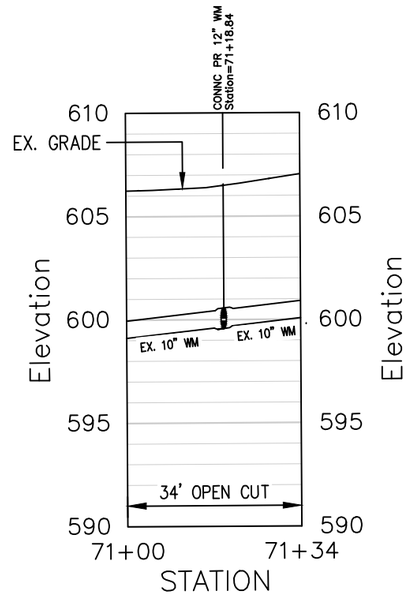
REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1723	N/A	N/A	11

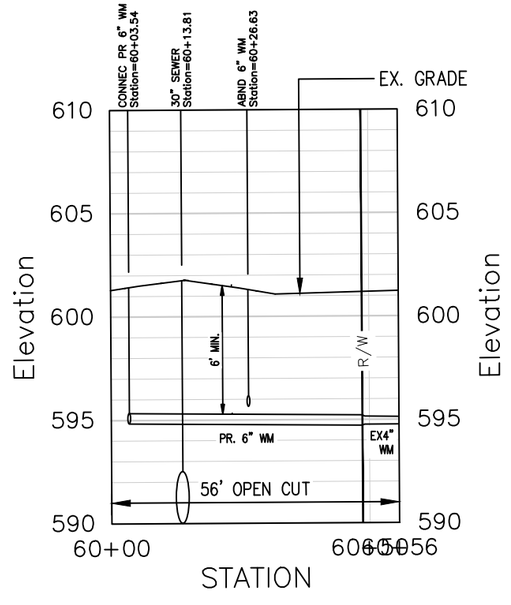
PLOT DATE: April 20, 2026
DRAWING PATH:



PROPOSED WM - STANLEY ST



PROPOSED WM - MICHIGAN AV



PEOPOSED WM - BRANCH TO THE SCHOOL

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

PROFILES AT INTERSECTIONS
WATER MAIN REPLACEMENT
ARTHUR ST FROM SUPERIOR TO NIAGARA &
MAPLE ST FROM ARTHUR TO MICHIGAN

DESIGNED BY RR
DRAWN BY RR
CHECKED BY TH
APPROVED BY TH

CONSTRUCTED
DATE OF PLAN NOVEMBER 2025
SCALE H:1" = 30'| V:1"=10'
SHEET 12 OF 25 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1723	N/A	N/A	12

PLOT DATE: April 20, 2026
DRAWING PATH:

MATCH LINE SHEET 08

MATCH LINE SHEET 14

NORTH ARROW

CITY OF SAGINAW
1901 MAPLE ST, SAGINAW

CITY OF SAGINAW
1901 MAPLE ST, SAGINAW

CITY OF SAGINAW
1901 MAPLE ST, SAGINAW

4" WM 1898

R/W GRASS R/W GRASS CONC CONC R/W GRASS GRASS R/W

WM 1927 6" WM 1927 4" WM 1899 4" WM 1899

41+00 42+00 43+00 44+00 45+00

66.0' 66.01'

30" SWR 30" SWR 30" SWR

10.0' 10.27'

MAPLE ST
ASPHALT

PR 6" WM PR 6" WM PR 6" WM PR 6" WM PR 6" WM

PR 6" WM

12"SWR

DRIVE DRIVE DRIVE DRIVE GRASS DRIVE

21.34' 21.40' 21.72' 21.8'

CONC WALK CONC WALK CONC WALK

2"P-MP GAS

R/W R/W R/W R/W R/W

CONC WALK CONC WALK

60.00'

PR. 6" WM

GILBERT ST
CONCRETE
12" S

LENT, LOUISE A
1920 MAPLE ST
SAGINAW

LEDDY, PATRICK A
1914 MAPLE ST
SAGINAW

PF SOLO SIX LLC
1910 MAPLE ST
SAGINAW

MORRISON, DENNIS L & EMMA M
1667 GILBERT ST, SAGINAW

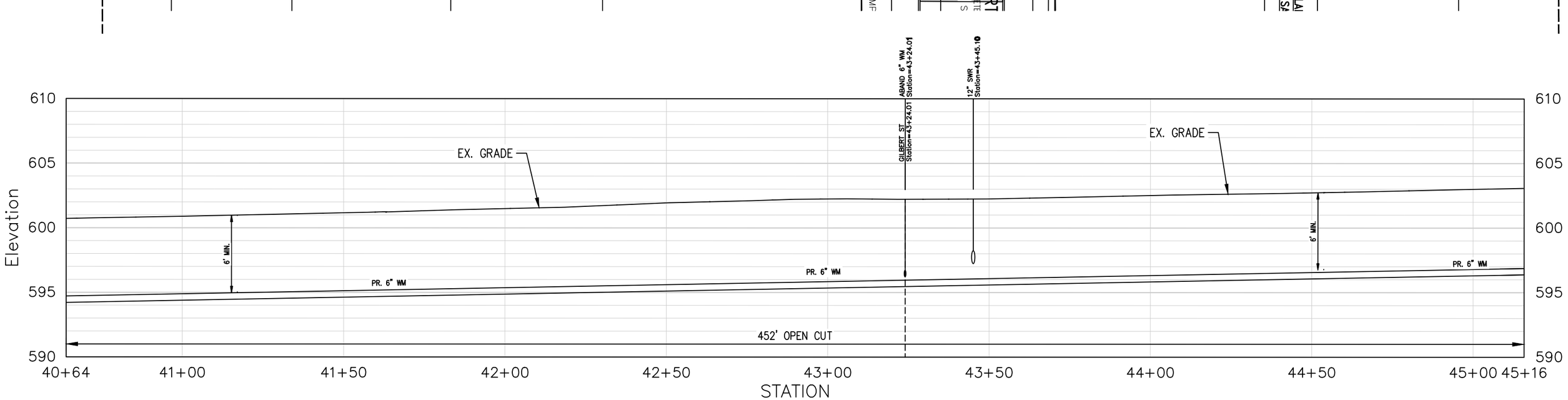
GARCIA, AMY K & JANICE M
1828 MAPLE ST, SAGINAW

SAGINAW COUNTY LA
1824 MAPLE ST, SA

MAPLE TRUST
1820 MAPLE ST, SAGINAW

UNKEL TR, RO
& CAROL
1808 MAPLE ST

P/L P/L P/L P/L P/L P/L P/L



PROPOSED WM MAPLE ST - ARTHUR TO GILBERT - CONT

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

PLAN VIEW AND PROFILE
WATER MAIN REPLACEMENT
ARTHUR ST FROM SUPERIOR TO NIAGARA &
MAPLE ST FROM ARTHUR TO MICHIGAN

DESIGNED BY RR
DRAWN BY RR
CHECKED BY TH
APPROVED BY TH

CONSTRUCTED
DATE OF PLAN NOVEMBER 2025
SCALE H:1" = 30'| V:1"=10'
SHEET 13 OF 25 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1723	N/A	N/A	13

PLOT DATE: April 20, 2026
DRAWING PATH:

MATCH LINE SHEET 13

NORTH ARROW

EXISTING 6-INCH AC WATER MAIN CONTRACTOR SHALL UTILIZE WET-CUTTING METHODS ONLY. ALL AC PIPE SHALL BE DISPOSED OF AT AN APPROVED LANDFILL.

CITY OF SAGINAW
1901 MAPLE ST, SAGINAW

GREGUS, RACHEL L
1723 MAPLE ST, SAGINAW

GARCIA, FRANCISCO & AMANDA
1719 MAPLE ST, SAGINAW

KNEZEK, JAMES J
1715 MAPLE ST
SAGINAW

WALKER, MICHAEL E & CHERYL
1705 W MICHIGAN AVE, SAGINAW

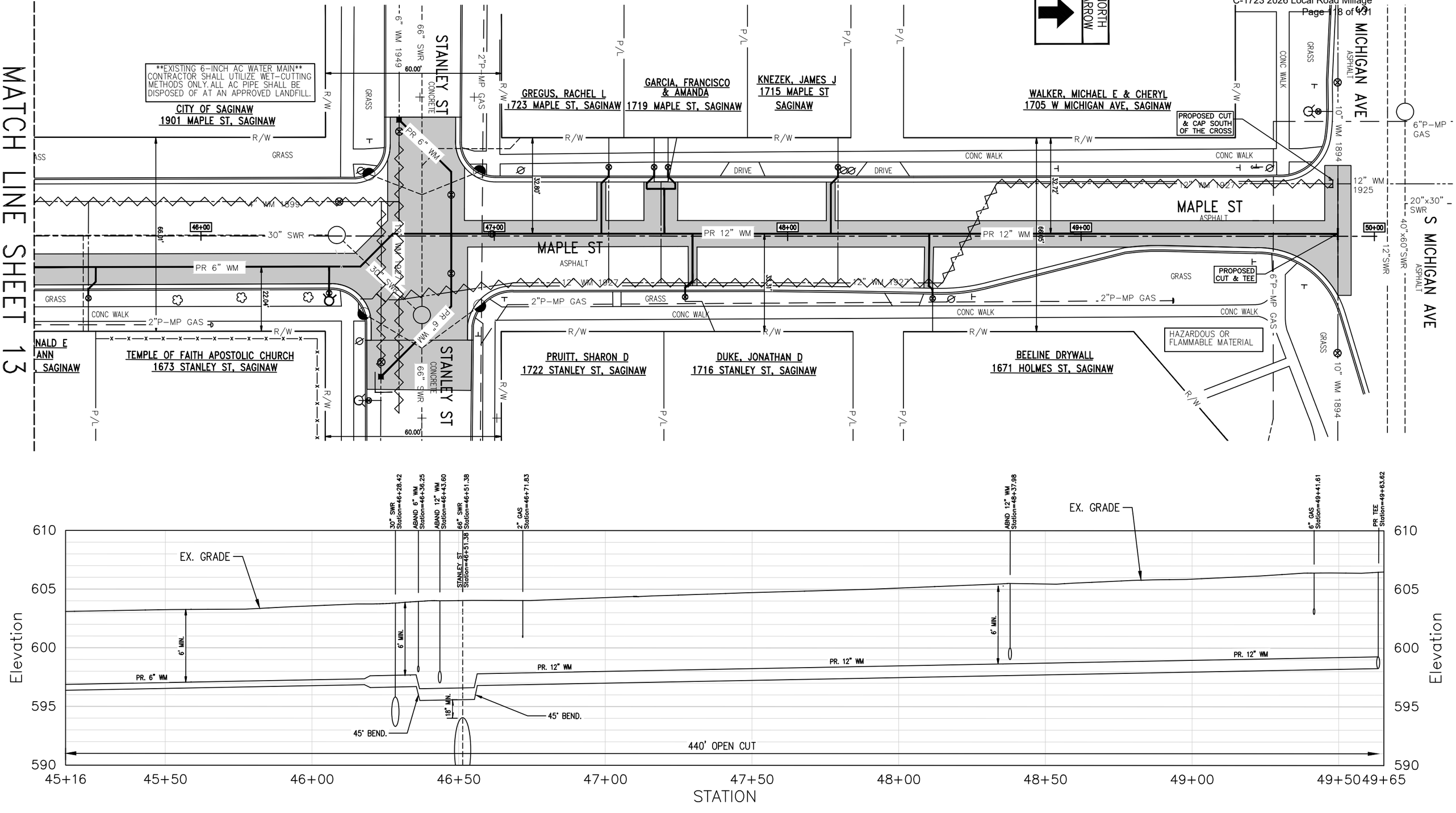
TEMPLE OF FAITH APOSTOLIC CHURCH
1673 STANLEY ST, SAGINAW

PRUITT, SHARON D
1722 STANLEY ST, SAGINAW

DUKE, JONATHAN D
1716 STANLEY ST, SAGINAW

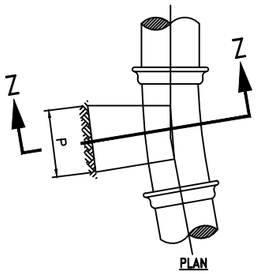
BEELINE DRYWALL
1671 HOLMES ST, SAGINAW

STANLEY ST
MAPLE ST
MICHIGAN AVE
S MICHIGAN AVE

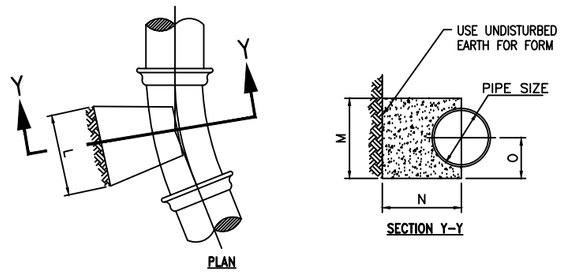


PROPOSED WM MAPLE ST - STANLEY TO MICHIGAN

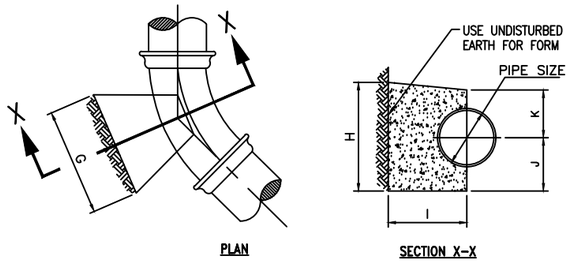
CITY OF SAGINAW DEPARTMENT OF PUBLIC SERVICES -ENGINEERING DIVISION-	PLAN VIEW AND PROFILE WATER MAIN REPLACEMENT ARTHUR ST FROM SUPERIOR TO NIAGARA & MAPLE ST FROM ARTHUR TO MICHIGAN	DESIGNED BY RR DRAWN BY RR CHECKED BY TH APPROVED BY TH	CONSTRUCTED DATE OF PLAN NOVEMBER 2025 SCALE H:1" = 30'| V:1"=10' SHEET 14 OF 25 SHEETS	REVISION: DATE / INITIALS	CONTROL SECTION N/A	JOB NO. C-1723	FEDERAL PROJECT N/A	FEDERAL ITEM N/A	SHEET NO. 14
					PLOT DATE: April 20, 2026 DRAWING PATH:				



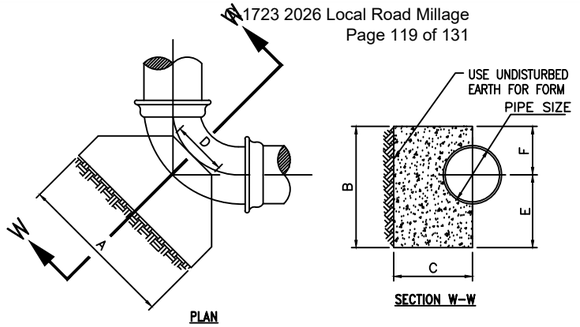
DETAIL OF BLOCK FOR 11 1/4° BEND
NO SCALE — 11.25 BEND.DWG



DETAIL OF BLOCK FOR 22 1/2° BEND
NO SCALE — 22.5 BEND.DWG

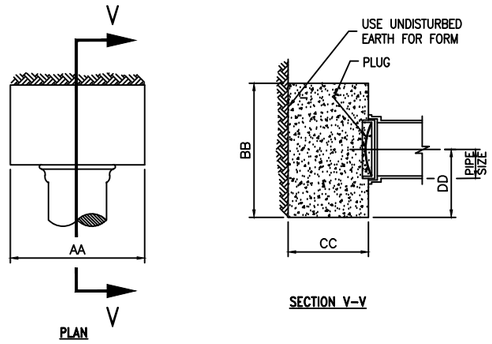


DETAIL OF BLOCK FOR 45° BEND
NO SCALE — 45 BEND.DWG



DETAIL OF BLOCK FOR 90° BEND
NO SCALE — 90 BEND.DWG

-WATER MAIN- BLOCKING

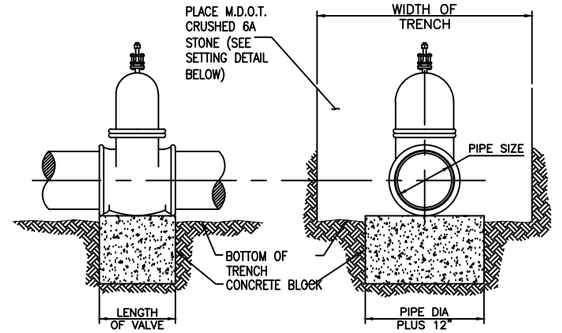


DETAIL OF BLOCK FOR PLUGS
NO SCALE — PLUGS.DWG

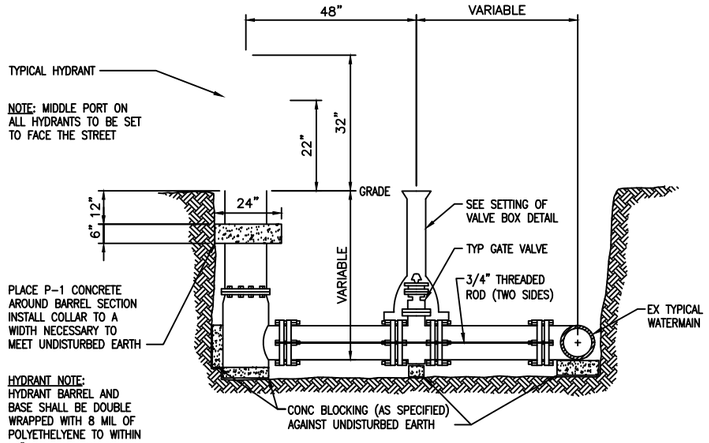
NOTE: TABLE BELOW IS BASED IN WATER MAIN PRESSURE OF 100 P.S.I. WITH NORMAL CLAY SOIL. FOR WATER MAIN PRESSURE OF 150 P.S.I., INCREASE THE END AREA BY 50%; FOR 180 P.S.I., INCREASE BY 80% AND ETC., FOR SOFT AND ABNORMAL SOIL CONDITIONS, THE THRUST BLOCK SIZE SHALL BE DETERMINED BY THE ENGINEER.

NOTE: THE CONCRETE USED FOR BLOCKING SHALL BE A MINIMUM COMPRESSIVE STRENGTH OF 3000 POUNDS PER SQUARE INCH IN TWENTY-EIGHT (28) DAYS.

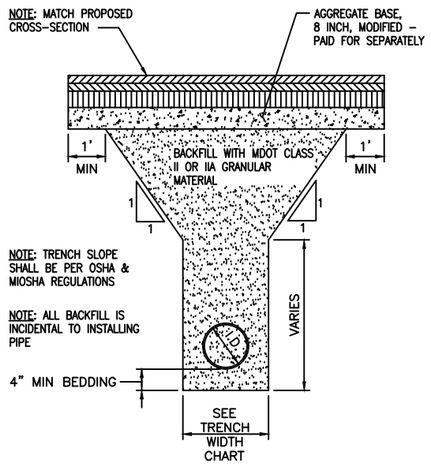
SIZE OF MAIN	PLUGS				MINIMUM CONCRETE REQUIRED	90° BENDS OR TEE						MINIMUM CONCRETE REQUIRED	45° BENDS					MINIMUM CONCRETE REQUIRED	22 1/2° BENDS				MINIMUM CONCRETE REQUIRED	11 1/4° BENDS			MINIMUM CONCRETE REQUIRED	SIZE OF MAIN
	AA	BB	CC	DD		A	B	C	D	E	F		G	H	I	J	K		L	M	N	O		P	Q	R		
4"	1'-0"	1'-0"	1'-0"	0'-6"	0.04 CYD	1'-0"	1'-0"	1'-0"	0'-8"	0'-6"	0'-6"	0.04 CYD	1'-6"	1'-0"	1'-0"	0'-6"	0'-6"	0.04 CYD	0'-8"	0'-8"	1'-0"	0'-4"	0.03 CYD	0'-6"	0'-6"	1'-0"	0.01 CYD	4"
6"	1'-6"	1'-0"	1'-0"	0'-6"	0.06 "	2'-0"	1'-0"	1'-0"	0'-8"	0'-6"	0'-6"	0.07 "	1'-6"	1'-0"	1'-0"	0'-6"	0'-6"	0.04 "	1'-0"	1'-0"	1'-0"	0'-6"	0.03 "	0'-7"	0'-7"	1'-0"	0.01 "	6"
8"	2'-0"	1'-6"	1'-0"	0'-9"	0.11 "	2'-0"	2'-0"	1'-0"	0'-10	1'-0"	0'-9"	0.12 "	2'-0"	1'-0"	1'-0"	0'-6"	0'-6"	0.08 "	1'-6"	1'-0"	1'-0"	0'-6"	0.04 "	0'-9"	0'-9"	1'-0"	0.02 "	8"
10"	2'-0"	2'-0"	1'-3"	1'-0"	0.19 "	3'-0"	2'-0"	1'-3"	0'-10	1'-0"	0'-9"	0.19 "	2'-0"	1'-6"	1'-3"	0'-9"	0'-9"	0.11 "	1'-6"	1'-0"	1'-3"	0'-6"	0.07 "	1'-0"	1'-0"	1'-3"	0.04 "	10"
12"	2'-6"	2'-0"	1'-6"	1'-0"	0.28 "	3'-0"	2'-6"	1'-6"	1'-0"	1'-3"	1'-0"	0.32 "	2'-0"	2'-0"	1'-6"	1'-0"	0'-9"	0.15 "	2'-0"	1'-2"	1'-6"	0'-7"	0.08 "	1'-0"	1'-8"	1'-6"	0.05 "	12"
14"	3'-0"	2'-6"	1'-9"	1'-3"	0.49 "	3'-0"	3'-0"	1'-9"	1'-2"	1'-6"	1'-3"	0.49 "	3'-0"	2'-0"	1'-9"	1'-0"	1'-0"	0.29 "	2'-0"	1'-6"	1'-9"	0'-9"	0.16 "	1'-6"	1'-4"	1'-9"	0.12 "	14"
16"	3'-6"	3'-0"	2'-0"	1'-6"	0.52 "	4'-0"	3'-0"	2'-0"	1'-4"	1'-6"	1'-3"	0.69 "	3'-0"	3'-0"	2'-0"	1'-6"	1'-3"	0.47 "	2'-0"	2'-0"	2'-0"	1'-0"	0.24 "	2'-0"	1'-6"	2'-0"	0.20 "	16"
18"	4'-0"	3'-0"	2'-3"	1'-6"	1.00 "	4'-0"	4'-0"	2'-3"	1'-6"	2'-0"	1'-6"	1.06 "	3'-0"	3'-0"	2'-3"	1'-6"	1'-3"	0.51 "	3'-0"	2'-0"	2'-3"	1'-0"	0.48 "	2'-0"	1'-8"	2'-3"	0.24 "	18"
20"	4'-0"	4'-0"	2'-6"	2'-0"	1.45 "	5'-0"	4'-6"	2'-6"	1'-8"	2'-3"	1'-9"	1.23 "	4'-0"	3'-0"	2'-6"	1'-6"	1'-6"	0.82 "	3'-0"	2'-6"	2'-6"	1'-3"	0.58 "	2'-0"	1'-10	2'-6"	0.30 "	20"
24"	5'-0"	5'-0"	3'-0"	2'-6"	2.78 "	6'-0"	5'-6"	3'-0"	2'-0"	2'-9"	1'-9"	2.74 "	4'-0"	4'-0"	3'-0"	2'-0"	1'-9"	1.21 "	3'-0"	3'-0"	3'-0"	1'-6"	0.80 "	2'-6"	2'-2"	3'-0"	0.42 "	24"
30"	6'-0"	6'-0"	3'-9"	3'-0"	4.96 "	7'-0"	7'-0"	3'-9"	2'-6"	3'-6"	2'-6"	5.39 "	5'-6"	5'-0"	3'-9"	2'-6"	2'-0"	2.14 "	4'-0"	3'-0"	3'-9"	1'-6"	1.35 "	3'-0"	2'-8"	3'-9"	0.98 "	30"
36"	8'-0"	6'-0"	4'-6"	3'-0"	8.00 "	8'-0"	7'-6"	4'-6"	3'-0"	3'-9"	2'-9"	8.12 "	6'-0"	6'-0"	4'-6"	3'-0"	2'-6"	4.03 "	5'-0"	4'-0"	4'-6"	2'-0"	2.77 "	3'-0"	3'-2"	4'-6"	1.36 "	36"
42"	8'-0"	8'-0"	5'-3"	4'-0"	12.44 "	9'-0"	8'-0"	5'-3"	3'-6"	4'-0"	3'-0"	11.58 "	7'-7"	7'-0"	5'-3"	3'-6"	3'-0"	6.43 "	5'-0"	5'-0"	5'-3"	2'-6"	3.85 "	4'-0"	3'-9"	5'-3"	2.17 "	42"



DETAIL OF BLOCK FOR VALVES
NO SCALE — VLVBLK.DWG
(CU YD CONCRETE PER BLOCK VARIES)



HYDRANT, COMPLETE, 6 INCH
NO SCALE — HYD.DWG



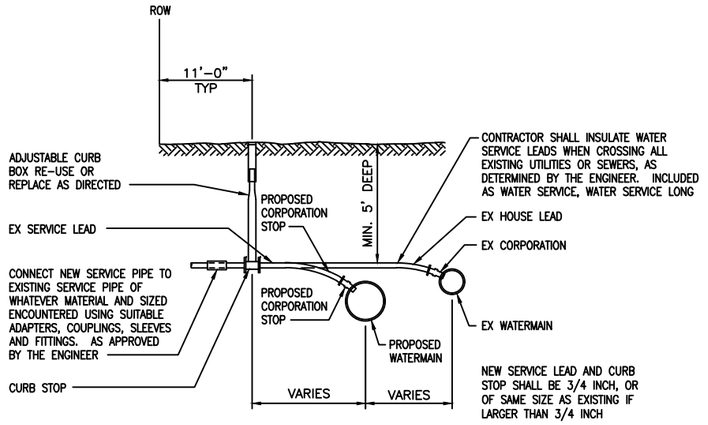
TYP TRENCH DETAIL DUCTILE OR C909 IRON PIPE
NO SCALE — TYPTRENCH.DWG

NOTE: EXISTING SURFACE CONDITIONS ON THE PROPOSED TRENCH CENTERLINE SHALL GOVERN THE TYPE OF SURFACE RESTORATION THE CONTRACTOR SHALL PERFORM. THE TYPE OF PIPE BACKFILL AND BEDDING SHALL BE AS STATED IN THE PLANS AND SPECIFICATIONS AND APPROPRIATE BID UNITS SHOWN IN THE PROPOSAL.

BACKFILL FOR WATER MAIN TRENCH TO BE INCLUDED IN THE PAY ITEM FOR WATER MAIN, __'-__" TR DET __, MODIFIED

TRENCH WIDTH CHART

PIPE SIZE	MINIMUM	MAXIMUM
6", 8", 10"	24"	30"
12" & 15"	30"	36"
18"	34"	40"
21"	38"	42"
24"	42"	46"
27"	45"	49"
30"	49"	53"
36"	56"	60"
LARGER THAN 36"	I.D. +20"	I.D. +24"



WATER SERVICE LEAD TRANSFER DETAIL
NO SCALE — WTRLEAD.DWG

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

WATER MAIN DETAILS
WATER MAIN REPLACEMENT
ARTHUR ST FROM SUPERIOR TO NIAGARA & MAPLE ST FROM ARTHUR TO MICHIGAN

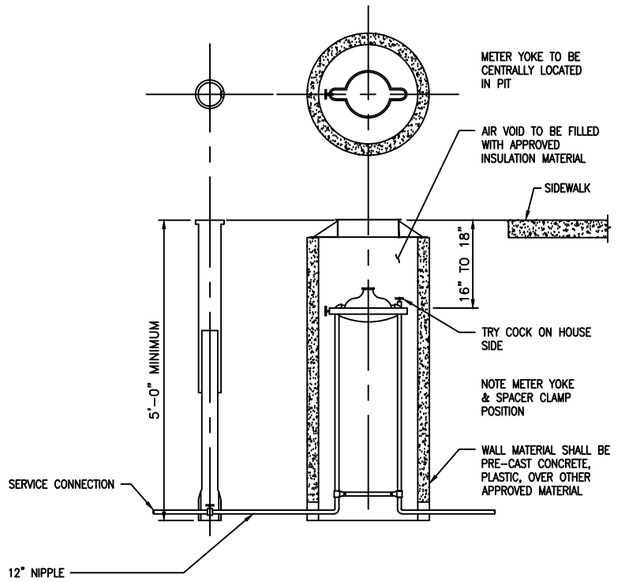
DESIGNED BY RR
DRAWN BY RR
CHECKED BY TH
APPROVED BY TH

CONSTRUCTED
DATE OF PLAN NOVEMBER 2025
SCALE N/A
SHEET 15 OF 25 SHEETS

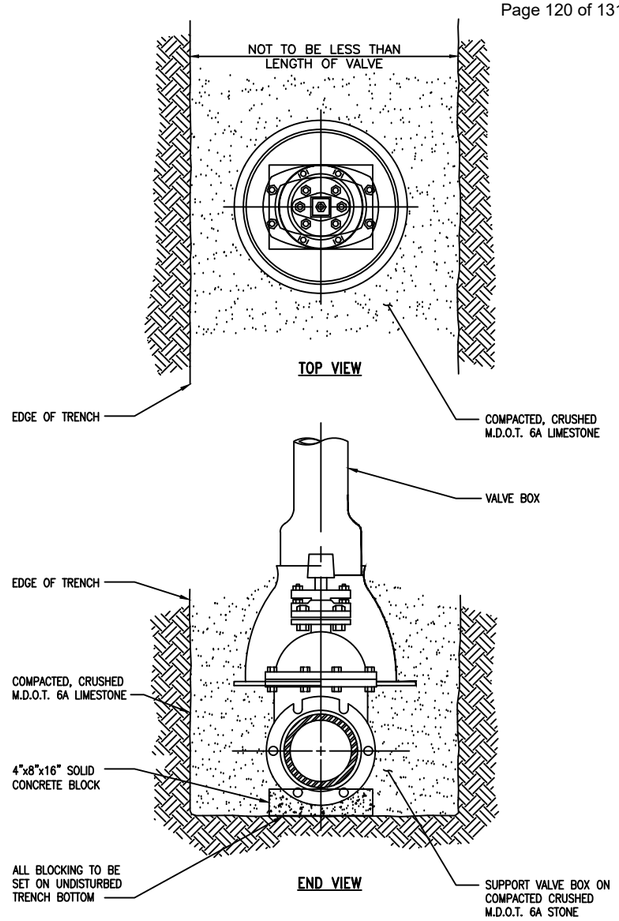
REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1723	N/A	N/A	15

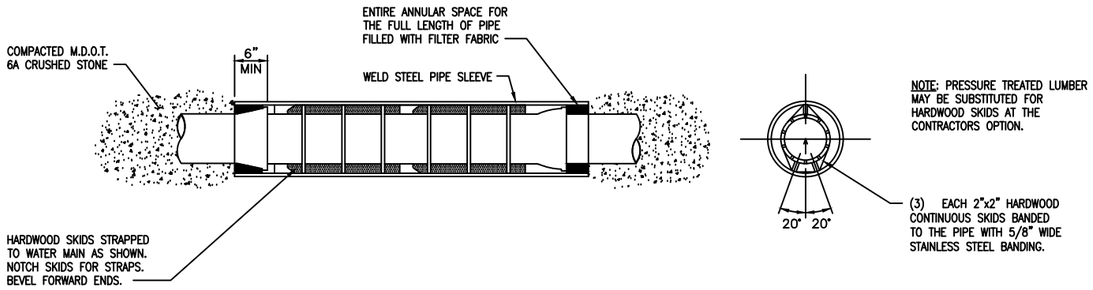
PLOT DATE: April 20, 2026
DRAWING PATH:



METER PIT
NO SCALE MPIT.DWG



SETTING OF VALVE BOX DETAIL
NO SCALE VLVBOX.DWG



WATER MAIN IN SLEEVE DETAIL
NO SCALE WTRSLV.DWG

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

WATER MAIN DETAILS
WATER MAIN REPLACEMENT
ARTHUR ST FROM SUPERIOR TO NIAGARA &
MAPLE ST FROM ARTHUR TO MICHIGAN

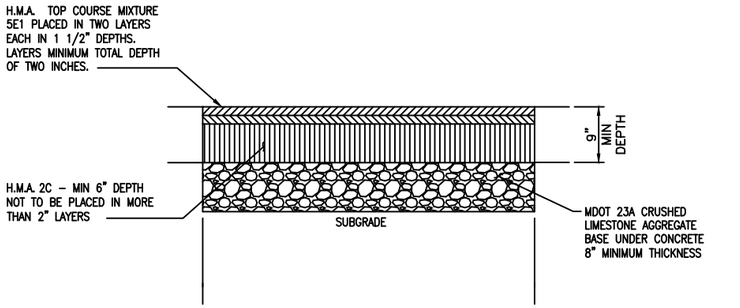
DESIGNED BY RR
DRAWN BY RR
CHECKED BY TH
APPROVED BY TH

CONSTRUCTED
DATE OF PLAN NOVEMBER 2025
SCALE N/A
SHEET 16 OF 25 SHEETS

REVISION: DATE / INITIALS

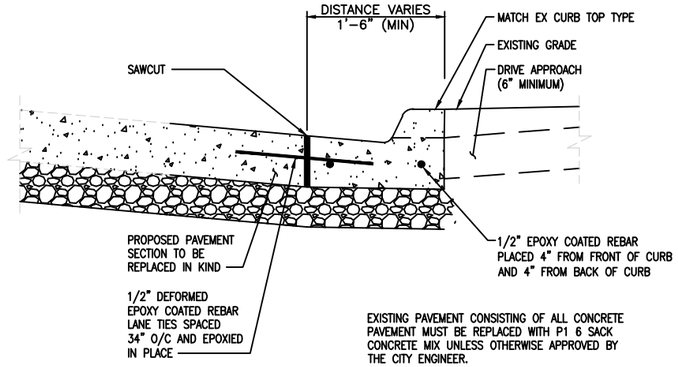
CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1723	N/A	N/A	16

PLOT DATE: April 20, 2026
DRAWING PATH:



HMA PATCH

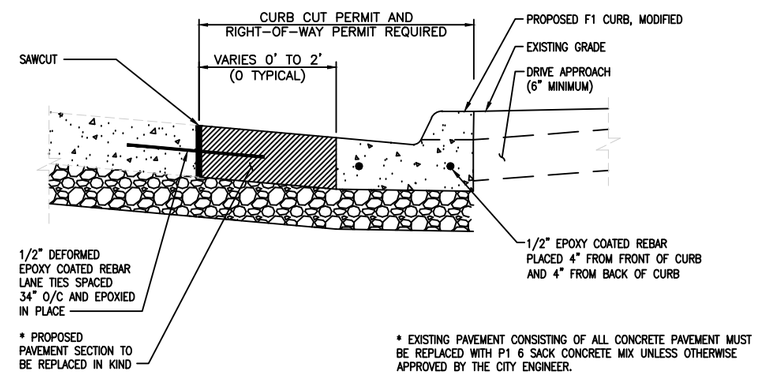
NO SCALE HMA.DWG



FULL DEPTH CONCRETE
PAVEMENT SECTION DETAIL – INTEGRAL PAVEMENT

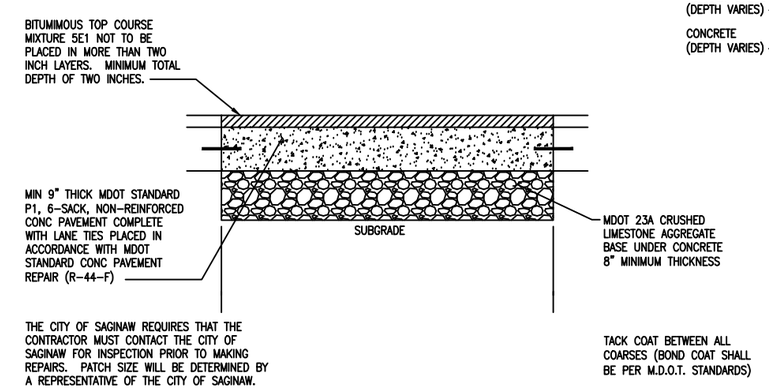
NO SCALE CURB CUT PERMIT AND RIGHT–OF WAY PERMIT REQUIRED CURB.DWG

FULL DEPTH CONCRETE
PAVEMENT SECTION DETAIL
NON–INTEGRAL PAVEMENT



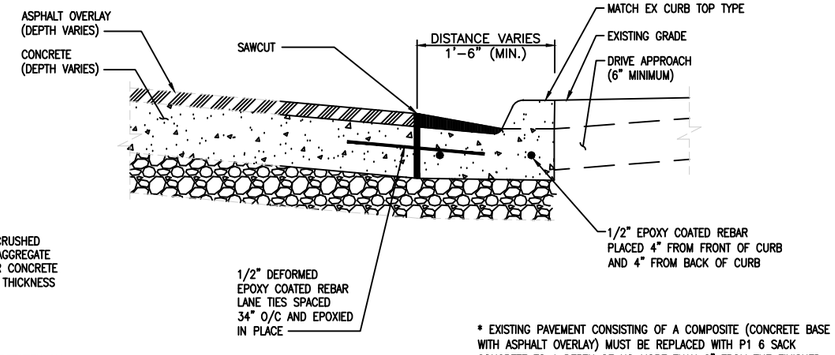
TYPICAL CROSS SECTION AT PROPOSED CURB REPLACEMENT

NO SCALE CURBREPLACE.DWG



COMPOSITE PATCH

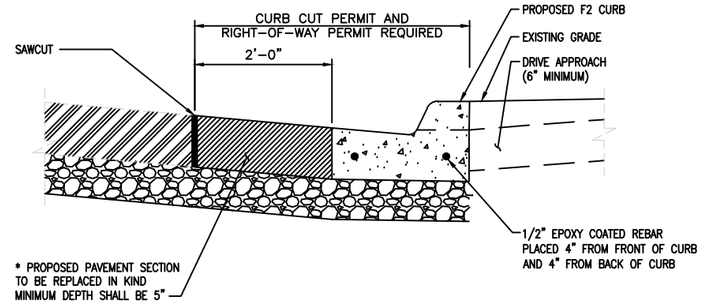
NO SCALE COMP.DWG



COMPOSITE PAVEMENT SECTION DETAIL
INTEGRAL PAMEMENT (WITH OVERLAYED GUTTER PAN)

NO SCALE CURB CUT PERMIT AND RIGHT–OF–WAY PERMIT REQUIRED INTGUT.DWG

FULL DEPTH ASPHALT
PAVEMENT SECTION DETAIL
NON–INTEGRAL PAVEMENT



TYPICAL CROSS SECTION AT PROPOSED CURB REPLACEMENT

NO SCALE FULASP.DWG

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

PAVEMENT DETAILS
WATER MAIN REPLACEMENT
ARTHUR ST FROM SUPERIOR TO NIAGARA &
MAPLE ST FROM ARTHUR TO MICHIGAN

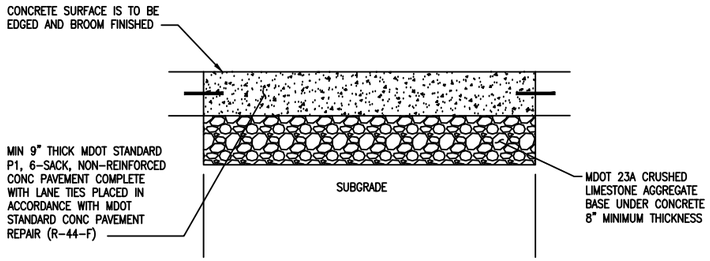
DESIGNED BY RR
DRAWN BY RR
CHECKED BY TH
APPROVED BY TH

CONSTRUCTED
DATE OF PLAN NOVEMBER 2025
SCALE N/A
SHEET 17 OF 25 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
.	C-1723	.	.	17

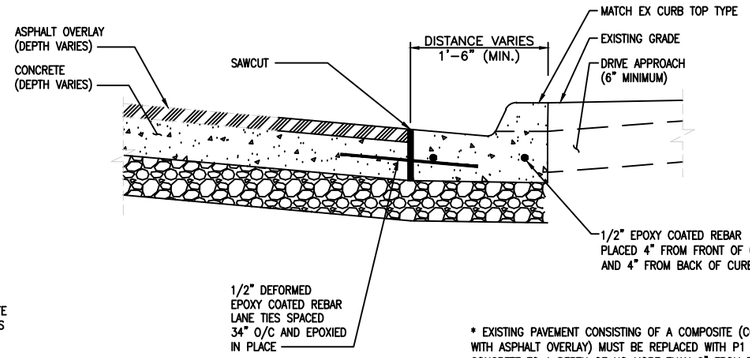
PLOT DATE: April 20, 2026
DRAWING PATH:



THE CITY OF SAGINAW REQUIRES THAT THE CONTRACTOR MUST CONTACT THE CITY OF SAGINAW FOR INSPECTION PRIOR TO MAKING REPAIRS. PATCH SIZE WILL BE DETERMINED BY A REPRESENTATIVE OF THE CITY OF SAGINAW.

CONCRETE PATCH

NO SCALE CONCP.DWG

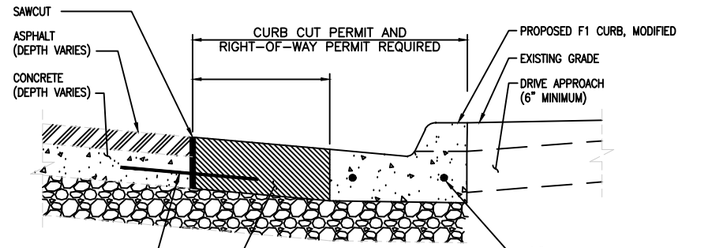


* EXISTING PAVEMENT CONSISTING OF A COMPOSITE (CONCRETE BASE WITH ASPHALT OVERLAY) MUST BE REPLACED WITH P1 6 SACK CONCRETE TO A DEPTH OF NO MORE THAN 2" FROM THE FINISHED GRADE. THE CONCRETE WILL NOT HAVE A FINISHED SURFACE. THEN 2'-0" OF 13A ASPHALT SHALL BE PLACED AND THEN COMPACT WITH A PLATE COMPACTOR.

COMPOSITE PAVEMENT SECTION DETAIL INTEGRAL PAMEMENT (WITH MILLED SURFACE)

NO SCALE CURB CUT PERMIT AND RIGHT-OF-WAY PERMIT REQUIRED INTMIL.DWG

COMPOSITE PAVEMENT SECTION DETAIL NON-INTEGRAL PAVEMENT



EXISTING PAVEMENT CONSISTING OF A COMPOSITE (CONCRETE BASE WITH ASPHALT OVERLAY) MUST BE REPLACED WITH P1 6 SACK CONCRETE TO A DEPTH OF NO MORE THAN 2" FROM THE FINISHED GRADE. THE CONCRETE WILL NOT HAVE A FINISHED SURFACE. THEN 2' OF 13A ASPHALT SHALL BE PLACED AND COMPACT WITH A PLATE COMPACTOR.

TYPICAL CROSS SECTION AT PROPOSED CURB REPLACEMENT

NO SCALE COMPAV.DWG

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

PAVEMENT DETAILS
WATER MAIN REPLACEMENT
ARTHUR ST FROM SUPERIOR TO NIAGARA &
MAPLE ST FROM ARTHUR TO MICHIGAN

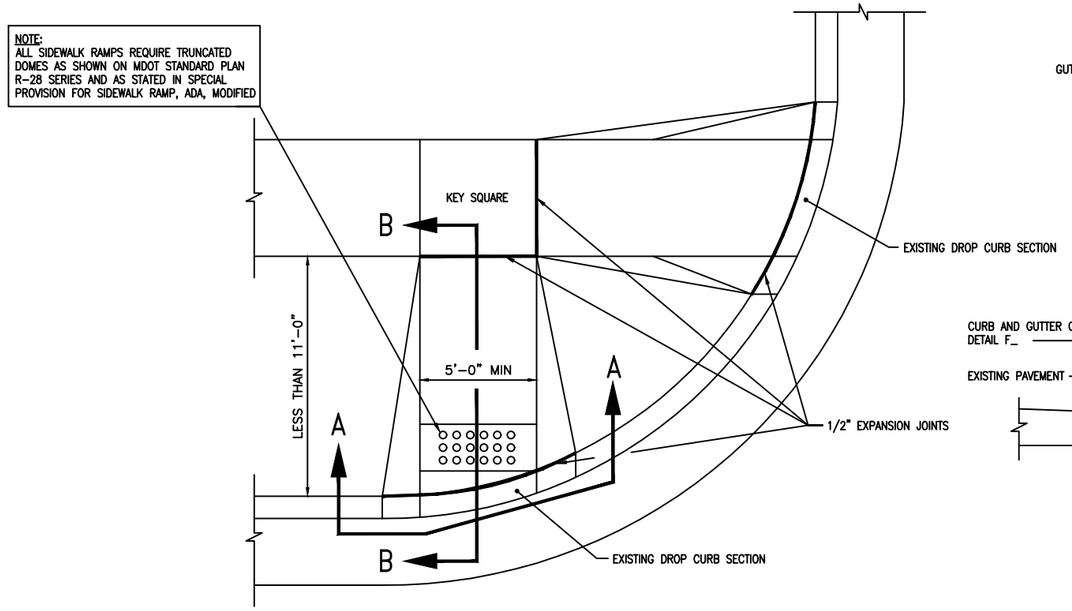
DESIGNED BY RR
DRAWN BY RR
CHECKED BY TH
APPROVED BY TH

CONSTRUCTED
DATE OF PLAN NOVEMBER 2025
SCALE N/A
SHEET 18 OF 25 SHEETS

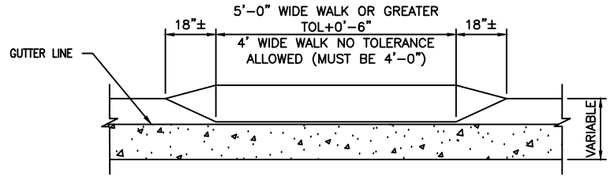
REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
.	C-1723	.	.	18

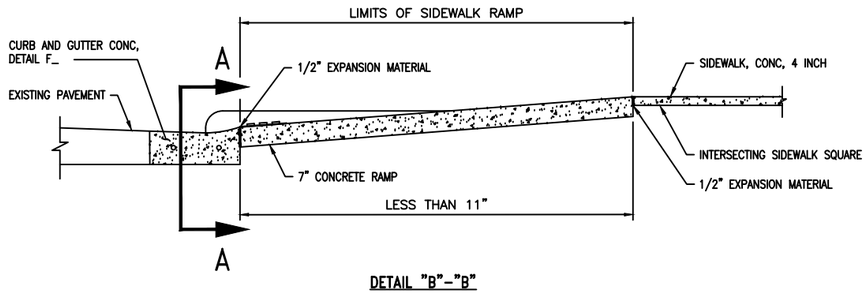
PLOT DATE: April 20, 2026
DRAWING PATH:



PLAN VIEW



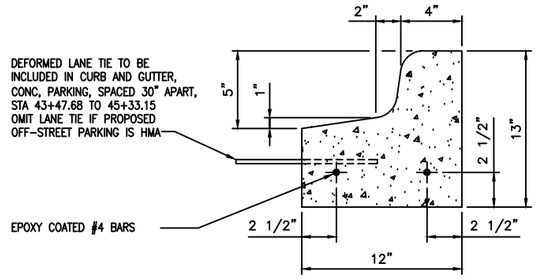
DETAIL "A"-"A"



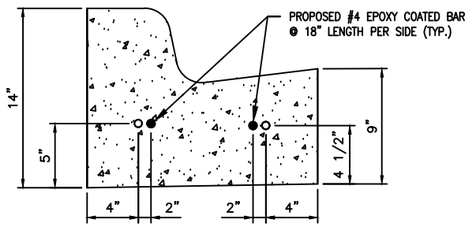
DETAIL "B"-"B"

NOTE:
ALL GRADING AND EXCAVATION NECESSARY TO CONSTRUCT SIDEWALK AS SHOWN, WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED AS PART OF SIDEWALK AND RAMP PAY ITEMS.

ADA HANDICAP RAMP DETAILS
NO SCALE ADA.DWG

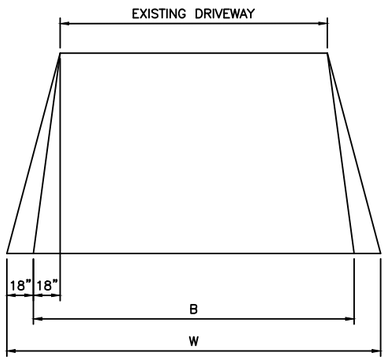


CURB AND GUTTER, CONC, PARKING
NO SCALE CURBGUT.DWG

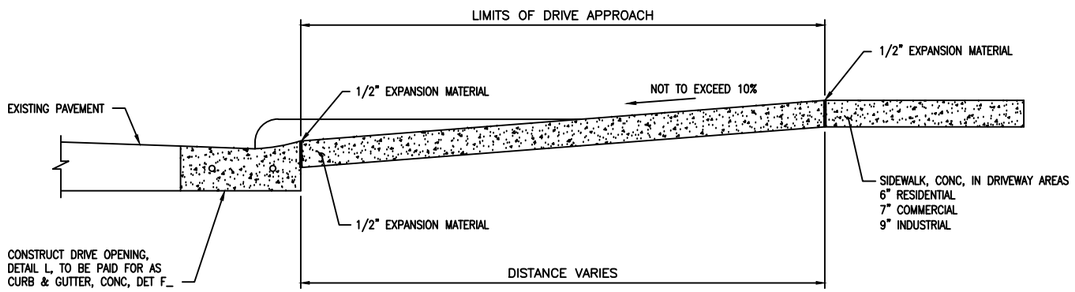


NOTE: IN AREAS WHERE CONTRACTOR IS REPLACING EXISTING CURB WITH NEW CURB. CONTRACTOR SHALL DRILL EXISTING CURB AND INSTALL 2-#4 EPOXY COATED BARS PER EACH SIDE OF NEW CURB AS DIRECTED BY THE ENGINEER. COST TO PERFORM THIS WORK SHALL BE INCLUDED IN CURB AND GUTTER, CONC, DETAIL F2.

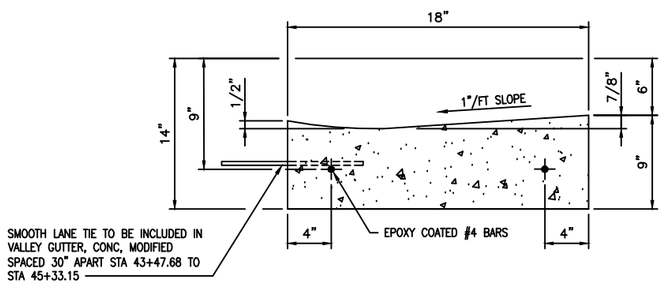
CURB REPLACEMENT DETAIL
NO SCALE CURBREP.DWG



DRIVEWAY APPROACH PLAN
NO SCALE DRVAPP.DWG



DRIVEWAY APPROACH CROSS SECTION
NO SCALE DRVAPP.DWG



VALLEY GUTTER, CONC, MODIFIED
NO SCALE VALGUT.DWG

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

PAVEMENT AND CURB DETAILS
WATER MAIN REPLACEMENT
ARTHUR ST FROM SUPERIOR TO NIAGARA & MAPLE ST FROM ARTHUR TO MICHIGAN

DESIGNED BY RR
DRAWN BY RR
CHECKED BY TH
APPROVED BY TH

CONSTRUCTED
DATE OF PLAN NOVEMBER 2025
SCALE N/A
SHEET 19 OF 25 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
.	C-1723	.	.	19

PLOT DATE: April 20, 2026
DRAWING PATH:

PROJECT NOTES

1. STRUCTURE COVERS ARE TO BE LEFT IN PLACE DURING CONSTRUCTION, UNLESS OTHERWISE INDICATED ON THE PLANS OR DIRECTED BY THE ENGINEER. THE CONTRACTOR IS REQUIRED TO COLD MILL UP TO AND AROUND STRUCTURES. ALL MATERIALS SURROUNDING THE STRUCTURES WILL BE REMOVED BY WHATEVER APPROPRIATE MEANS NECESSARY. ALL LABOR, MATERIALS, EQUIPMENT NECESSARY TO ACCOMPLISH THIS WORK REQUIREMENT ARE CONSIDERED INCLUDED IN THE APPROPRIATE COLD MILLING HMA SURFACE, MODIFIED WORK ITEM.

2. ADDITIONAL ISOLATED PAVEMENT REPAIRS WILL BE DETERMINED BY THE ENGINEER AFTER COLD MILLING. THOSE AREAS SHALL BE SAW CUT AND THE PAVEMENT REMOVED. SAWCUT TO BE PAID AS DEEP SAWING AND THE PAVEMENT REMOVAL TO BE PAID AS PAVT, REM, MODIFIED. ANY EARTH EXCAVATION REQUIRED TO REACH THE PLAN GRADE PER THE PROPOSED CROSS SECTIONS WILL BE CONSIDERED INCLUDED IN MACHINE GRADING, MODIFIED. PAVEMENT REPLACEMENT WILL BE AS SHOWN ON THE PROPOSED CROSS SECTIONS. THE PLAN QUANTITY IS FOR ESTIMATION PURPOSES ONLY.

3. AT COLD MILLED LIMITS, ALL JOINTS BETWEEN PROPOSED PAVEMENT AND EXISTING PAVEMENT SHALL BE BUTT JOINTS CONSTRUCTED PRIOR TO PLACEMENT OF TOP COURSE MATERIAL. THESE JOINTS SHALL BE MADE BY SAWCUTTING (OTHER THAN USING A COLD MILL MACHINE) THE PAVEMENT SURFACE AND REMOVING THE SLIVER OF ASPHALT. THIS WORK SHALL BE PAID FOR AS SAWCUTTING.

4. CONCRETE MIX: ALL CONCRETE SHALL BE GRADE P1, SIX FULL SACK MIX. GRADE P1 SHALL BE USED FOR ALL PAVEMENT REPAIRS.

5. ALL INTERSECTING STREET APPROACHES SHALL BE RESURFACED AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER. THIS RESURFACING SHALL BE PAID FOR AS MAINLINE PAVING USING THE APPROPRIATE HMA MIXTURE ITEM.

6. THE CONTRACTOR WILL CONTRACT THE SETTING SURVEY MONUMENTS IN AREAS DESIGNATED ON THE PLANS WHERE NEW MONUMENT BOXES ARE TO BE SET. THE CONTRACTOR SHALL COORDINATE THIS WORK SO THAT IT'S SURVEY STAFF CAN PROPERLY WITNESS AND RESET THE MONUMENTS.

7. ALL STRUCTURE CASTINGS SHALL BE REUSED UNLESS OTHERWISE INDICATED ON THE PLANS. ALL STRUCTURE CASTINGS REMOVED SHALL BECOME THE PROPERTY OF THE CITY AND SHALL BE DELIVERED TO THE CITY SEWER SHOP, 1701 S. JEFFERSON AVENUE. THE COST TO REMOVE & RETURN STRUCTURE CASTINGS TO THE CITY SHALL BE INCLUDED IN PAY ITEM FOR DR STRUCTURE, COVER, TYPE B OR DR STRUCTURE, COVER, TYPE K.

8. REPLACEMENT OF PAVEMENT AROUND ALL ADJUSTED STRUCTURES, IN AREAS OF FULL DEPTH PAVEMENT REPAIR SHALL BE DONE WITH GRADE P-NC AT FULL DEPTH OF PAVEMENT. ALL EDGES SHALL BE SAWCUT, AS DIRECTED BY THE ENGINEER AND PAID FOR AS DEEP SAWING. PLACEMENT OF THE CONCRETE AROUND THE STRUCTURE WILL BE CONSIDERED INCLUDED IN THE COST OF THE STRUCTURE ADJUST PAY ITEM.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2012 STANDARD SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS.

THE PROPOSED IMPROVEMENTS COVERED BY THESE PLANS ARE IN ACCORDANCE WITH THE AASHTO: A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS, 2004.

MISS DIG: CALL TOLL FREE 1-800-482-7171, OR 811, A MINIMUM OF THREE WORKING DAYS BEFORE STARTING THIS PROJECT, OR ANY DIGGING.

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

MILL AND RESURFACE NOTES
WATER MAIN REPLACEMENT
ARTHUR ST FROM SUPERIOR TO NIAGARA &
MAPLE ST FROM ARTHUR TO MICHIGAN

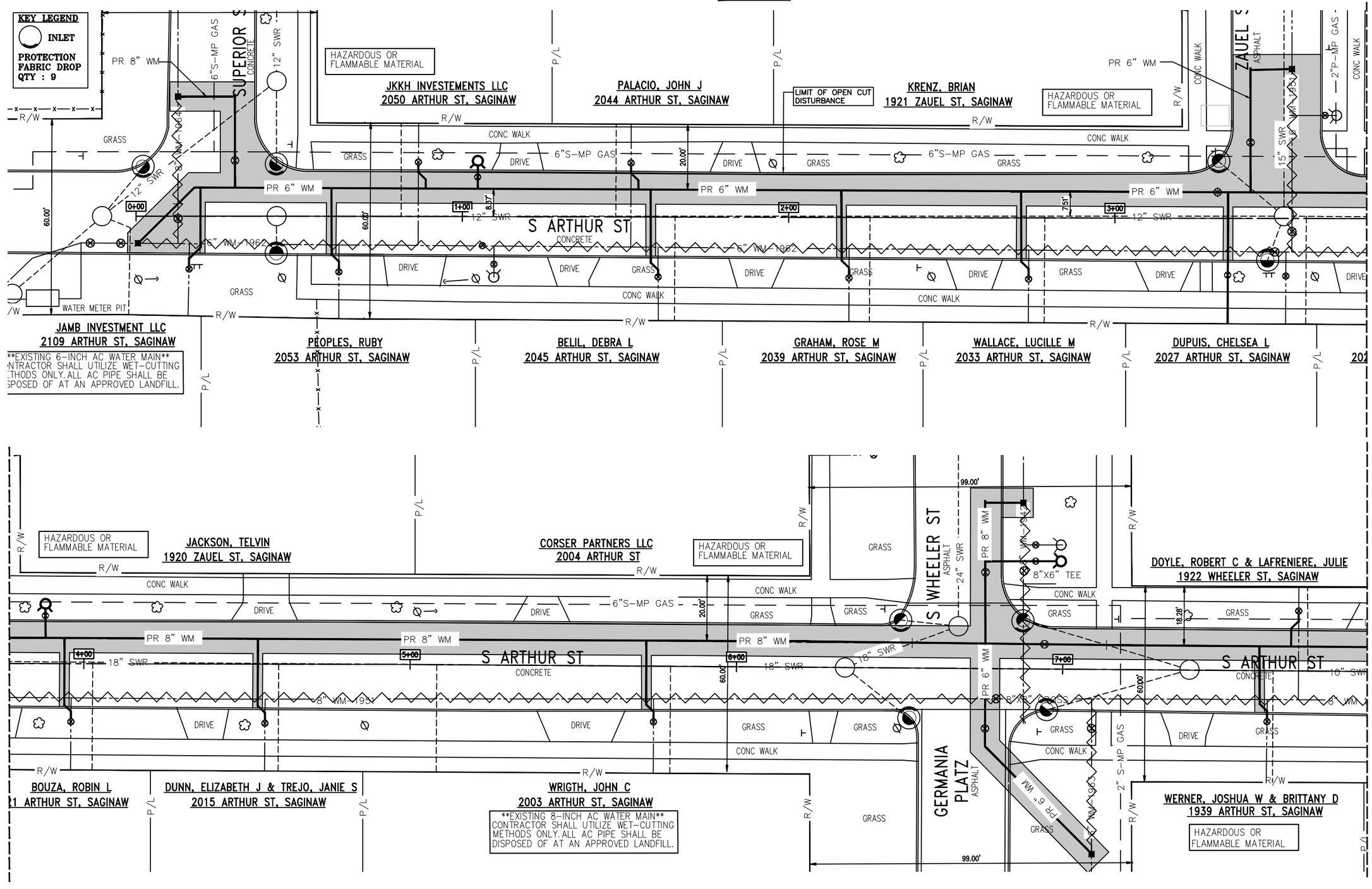
DESIGNED BY RR
DRAWN BY RR
CHECKED BY TH
APPROVED BY TH

CONSTRUCTED
DATE OF PLAN NOVEMBER 2025
SCALE N/A
SHEET 20 OF 25 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
.	.	.	.	20

PLOT DATE: April 20, 2026
DRAWING PATH:



CITY OF SAGINAW DEPARTMENT OF PUBLIC SERVICES –ENGINEERING DIVISION–	PLAN VIEW SOIL EROSION AND SEDIMENTATION CONTROL ARTHUR ST FROM SUPERIOR TO NIAGARA & MAPLE ST FROM ARTHUR TO MICHIGAN	DESIGNED BY RR DRAWN BY RR/WL CHECKED BY TH APPROVED BY TH	CONSTRUCTED DATE OF PLAN NOVEMBER 2025 SCALE H:1" = 30' V:1"=10' SHEET 21 OF 25 SHEETS	REVISION: DATE / INITIALS	CONTROL SECTION N/A; JOB NO. C-1723; FEDERAL PROJECT N/A; FEDERAL ITEM N/A; SHEET NO. 21 PLOT DATE: April 20, 2026 DRAWING PATH:

MATCH LINE SHEET 21

NORTH ARROW

KEY LEGEND
INLET
PROTECTION FABRIC DROP QTY : 6
HAZARDOUS OR FLAMMABLE MATERIAL

EDWARDS, D SCOTT & DUANE F
1924 ARTHUR ST, SAGINAW

LEE, RYAN
1918 ARTHUR ST, SAGINAW

ORTIZ, ANTHONY
1914 ARTHUR ST, SAGINAW

NYMAN JR, WILLIAM J
1906 ARTHUR ST, SAGINAW

MCFADDEN, BRYAN
1904 ARTHUR ST, SAGINAW

CLINK, STEVEN R & MELISSA A
1846 ARTHUR ST SAGINAW

ENGERER,
1842 ARTHUR

R/W
CONC WALK
6"S-MP GAS
PR 8" WM
8+00
9+00
10+00
11+00
12+00
S ARTHUR ST
CONCRETE
10" SWR
8" WM 1943
18.69'
19.44'
60.00'
DRIVE

WILSON, CLENDRY R & CANDACE R
1931 ARTHUR ST, SAGINAW

PREMIER REALTY VENTURES LLC
1925 ARTHUR ST, SAGINAW

CANNON, STARICE
1919 ARTHUR ST, SAGINAW

JOHNSON, REGINA
1913 ARTHUR ST, SAGINAW

RUEDA, MONICA L
1907 ARTHUR ST, SAGINAW

BAKER, DEBRA S
1901 ARTHUR ST, SAGINAW

UNDERWOOD, CYNTHIA
1845 ARTHUR ST, SAGIN

METHODS ONLY.

EXISTING 8-INCH AC WATER MAIN

MATCH LINE THIS SHEET

GRAIG E
ST, SAGINAW

PAREDES, ERNAN
1836 ARTHUR ST, SAGINAW

GOMEZ JR, JOSES JESUS
1826 ARTHUR ST, SAGINAW

YAKLIN, EDWARD & EBENHOEH, HOWARD
1822 ARTHUR ST, SAGINAW

MOBLEY, GLORIA
1816 ARTHUR ST, SAGINAW

HAZARDOUS OR FLAMMABLE MATERIAL

WILLIAMS, DERRICK D & GLORIA J
1923 MAPLE ST, SAGINAW

R/W
CONC WALK
DRIVE
6"S-MP GAS
PR 8" WM
13+00
14+00
15+00
16+00
S ARTHUR ST
CONCRETE
12" SWR
8" WM 1943
4.82'
19.85'
60.00'

TRICE-VANN, DELEASHA M
1837 ARTHUR ST, SAGINAW

STRUDGEON, RAYMOND
1833 ARTHUR ST, SAGINAW

WILLIAMS, GLORIA JEAN
1827 ARTHUR ST, SAGINAW

L&V PROPERTIES LLC
1821 ARTHUR ST, SAGINAW

STEWART, ERICA
1815 ARTHUR ST, SAGINAW

KVETKO, MARTIN R
1809 ARTHUR ST, SAGINAW

WELCH, TANYA
1803 ARTHUR ST, SAGINAW

**EXISTING 8-INCH AC WATER MA
CONTRACTOR SHALL UTILIZE WET-C
METHODS ONLY. ALL AC PIPE SHALL

MATCH LINE SHEET 23

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

PLAN VIEW
SOIL EROSION AND SEDIMENTATION CONTROL
ARTHUR ST FROM SUPERIOR TO NIAGARA &
MAPLE ST FROM ARTHUR TO MICHIGAN

DESIGNED BY	RR
DRAWN BY	RR/WL
CHECKED BY	TH
APPROVED BY	TH
CONSTRUCTED	
DATE OF PLAN	NOVEMBER 2025
SCALE	H:1" = 30'| V:1"=10'
SHEET	22 OF 25 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1723	N/A	N/A	22

PLOT DATE: April 20, 2026
DRAWING PATH:

KEY LEGEND
INLET
PROTECTION FABRIC DROP QTY : 13

NORTH ARROW

MATCH LINE SHEET 22

MATCH LINE THIS SHEET

60.00'
R/W
6" WM 1916
15" SWR
18" SWR
PR 6" WM
GROUT ST
ASPHALT
SCHOOL DISTRICT CITY OF SAGINAW
1800 GROUT ST, SAGINAW
CITY OF SAGINAW
1901 MAPLE ST, SAGINAW
P/L
CONC WALK
GRASS
18.65'
PR 8" WM
S ARTHUR ST
17+00
18+00
19+00
20+00
CONCRETE
60.00'
8" WM 1962
6"S-MP GAS
DRIVE
24.38'
GODFREY, PRISCILLA
1757 ARTHUR ST, SAGINAW
GREIGHTON JR, ROBERT & EMMA F
1751 ARTHUR ST, SAGINAW
JONES, MARY K
1745 ARTHUR ST, SAGINAW
JONES, MARY K
1739 ARTHUR ST, SAGINAW
OLIVAREZ, MARCELO & AMY
1733 ARTHUR ST, SAGINAW
JASPER, JAMES A & ERN
1727 ARTHUR ST, SAGI
HAZARDOUS OR FLAMMABLE MATERIAL
2"S-MP GAS
12" SWR
6" WM 1916
PR 6" WM
GROUT ST
CONCRETE
15" SWR
60.00'
** TING BE FILL.

MATCH LINE THIS SHEET

MATCH LINE SHEET 24

CITY OF SAGINAW
1901 MAPLE ST, SAGINAW
R/W
CONC WALK
GRASS
20.53'
PR 8" WM
S ARTHUR ST
21+00
22+00
23+00
CONCRETE
60.00'
15" SWR
8" WM 1962
6"S-MP GAS
DRIVE
MAPLE ST
ASPHALT
41+00
10.10'
21.36'
2"P-MP GAS
PR 6" WM
TAYLOR, JOSEPH A
1670 ARTHUR ST, SAGINAW
22.54'
24+00
60.00'
7.80'
12" SWR
8" WM 1920
2"P-MP GAS
RIGGINS, JADEN
1721 ARTHUR ST, SAGINAW
GARY, MANDY ANN
1715 ARTHUR ST, SAGINAW
M & L LAND HOLDINGS LLC
1709 ARTHUR ST, SAGINAW
HAYNES, L J
2005 MAPLE ST, SAGINAW
HAZARDOUS OR FLAMMABLE MATERIAL
MAPLE ST
CONCRETE
40+00
66.02'
21" SWR
6" WM 1967
2"S-MP GAS
MCMATH, GREGORY & MICHELLE LAWSON-
2008 MAPLE ST, SAGINAW
CAVER, GEORGIA
1669 ARTHUR ST, SAGINA
HAZARDOUS OR FLAMMABLE MATERIAL

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

PLAN VIEW
SOIL EROSION AND SEDIMENTATION CONTROL
ARTHUR ST FROM SUPERIOR TO NIAGARA &
MAPLE ST FROM ARTHUR TO MICHIGAN

DESIGNED BY	RR
DRAWN BY	RR/WL
CHECKED BY	TH
APPROVED BY	TH
CONSTRUCTED	
DATE OF PLAN	NOVEMBER 2025
SCALE	H:1" = 30' | V:1"=10'
SHEET	23 OF 25 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1723	N/A	N/A	23

PLOT DATE: April 20, 2026
DRAWING PATH:

NORTH ARROW

MATCH LINE SHEET 23

KEY LEGEND
INLET
PROTECTION FABRIC DROP QTY : 6

GOMEZ, CONCEPCION S
1658 ARTHUR ST, SAGINAW

MULLEN, RICKY & JANET
1652 ARTHUR ST, SAGINAW

PUTNAM GROUP LLC
1648 ARTHUR ST, SAGINAW

HARDIN, TRISHA L RENA
1642 ARTHUR ST, SAGINAW

LIDDELL, JERMAINE
1638 ARTHUR ST, SAGINAW

SAGINAW COUNTY LAND BANK 2015
1632 ARTHUR ST, SAGINAW

YOUNG, LETAVIA K
1628 ARTHUR ST, SAGINAW

ACE, ZENITA S
1665 ARTHUR ST, SAGINAW

MULLEN, RICKY & JANET
1659 ARTHUR ST, SAGINAW

GOTTSMAN, BONNIE L
1653 ARTHUR ST, SAGINAW

GOTTSMAN, BONNIE L
1649 ARTHUR ST, SAGINAW

KENNEY ETAL, TRACY M
1647 ARTHUR ST, SAGINAW

PF SOLO FIVE LLC
1639 ARTHUR ST, SAGINAW

HUMPERT II, JOSEPH H & CHERYL A
1635 ARTHUR ST, SAGINAW

SHAW, STEPHEN A & KATHLEEN S
1629 ARTHUR ST, SAGINAW

HAZARDOUS OR FLAMMABLE MATERIAL

R/W
P/L
DRIVE
CONC WALK
PR 6" WM
S ARTHUR ST
ASPHALT
25+00
26+00
27+00
28+00
12" SWR
6" WM 1920
2"P-MP GAS

MATCH LINE THIS SHEET

PF SOLO FIVE LLC
624 ARTHUR ST, SAGINAW

PF SOLO FIVE LLC
1618 ARTHUR ST, SAGINAW

CHOBOD, CARRIE
1614 ARTHUR ST, SAGINAW

VAUGHN, JUANITA & RODRIGUEZ, MARIO
2623 S NIAGARA ST, SAGINAW

HAW, STEPHEN A & KATHLEEN S
625 ARTHUR ST, SAGINAW

NEERING, CONNOR
1619 ARTHUR ST
SAGINAW

SAMBA RENTALS LLC
1615 ARTHUR ST
SAGINAW

KINGRY, CYNTHIA M
1611 ARTHUR ST
SAGINAW

WAMBACK EST, BETTY
1603 ARTHUR ST
SAGINAW

HAZARDOUS OR FLAMMABLE MATERIAL

S NIAGARA ST
21" SWR
6" WM 1920
PR 6" WM
15" SWR
GRASS
ASPHALT
GRAVEL
21.60'
29+00
30+00
31+00
31+68

HELPAP, RUDOLPH S
2624 S NIAGARA ST, SAGINAW

R/W
P/L
DRIVE
CONC WALK
PR 6" WM
S ARTHUR ST
ASPHALT
12" SWR
6" WM 1920
2"P-MP GAS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

PLAN VIEW
SOIL EROSION AND SEDIMENTATION CONTROL
ARTHUR ST FROM SUPERIOR TO NIAGARA & MAPLE ST FROM ARTHUR TO MICHIGAN

DESIGNED BY	RR
DRAWN BY	RR/WL
CHECKED BY	TH
APPROVED BY	TH
CONSTRUCTED	
DATE OF PLAN	NOVEMBER 2025
SCALE	H:1" = 30' | V:1"=10'
SHEET	24 OF 25 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1723	N/A	N/A	24

PLOT DATE: April 20, 2026
DRAWING PATH:

MATCH LINE SHEET ARTHUR ST

KEY LEGEND
INLET
PROTECTION FABRIC DROP QTY : 7

NORTH ARROW

CITY OF SAGINAW
1901 MAPLE ST, SAGINAW

CITY OF SAGINAW
1901 MAPLE ST, SAGINAW

CITY OF SAGINAW
1901 MAPLE ST, SAGINAW

4" WM 1898

R/W GRASS R/W GRASS CONC CONC R/W GRASS GRASS R/W

WM 1927 6" WM 1927 4" WM 1899 4" WM 1899

41+00 42+00 43+00 44+00 45+00

66.0' 30" SWR 66.01' 30" SWR

10.0' 10.27'

MAPLE ST ASPHALT MAPLE ST ASPHALT

PR 6" WM PR 6" WM PR 6" WM PR 6" WM PR 6" WM

DRIVE DRIVE DRIVE GRASS CONC WALK DRIVE GRASS DRIVE

21.34' 21.40' 21.72' 21.81'

CONC WALK 2"P-MP GAS

R/W R/W R/W R/W

12" SWR

LENT, LOUISE A
1920 MAPLE ST
SAGINAW

LEDDY, PATRICK A
1914 MAPLE ST
SAGINAW

PF SOLO SIX LLC
1910 MAPLE ST
SAGINAW

MORRISON, DENNIS L & EMMA M
1667 GILBERT ST, SAGINAW

GARCIA, AMY K & JANICE M
1828 MAPLE ST, SAGINAW

SAGINAW CO
1824 MAPL

MAPLE TRUST
1820 MAPLE ST, SAGINAW

UNKEL TR, RO
& CAROL
1808 MAPLE ST

MATCH LINE THIS SHEET

EXISTING 6-INCH AC WATER MAIN
CONTRACTOR SHALL UTILIZE WET-CUTTING METHODS ONLY. ALL AC PIPE SHALL BE DISPOSED OF AT AN APPROVED LANDFILL.

CITY OF SAGINAW
1901 MAPLE ST, SAGINAW

NLEY ST CONCRETE 66" SWR

PR 6" WM PR 6" WM PR 6" WM

GREGUS, RACHEL L
1723 MAPLE ST, SAGINAW

GARCIA, FRANCISCO & AMANDA
1719 MAPLE ST, SAGINAW

KNEZEK, JAMES J
1715 MAPLE ST
SAGINAW

WALKER, MICHAEL E & CHERYL
1705 W MICHIGAN AVE, SAGINAW

PROPOSED CUT & CAP SOUTH OF THE CROSS

10" WM 1894

4" WM 1899 12" WM 1927 12" WM 1927 12" WM 1927

46+00 47+00 48+00 49+00

30" SWR 66.01' 66.05'

MAPLE ST ASPHALT

PR 6" WM PR 12" WM PR 12" WM

12" WM 1927 12" WM 1927 12" WM 1927

PROPOSED CUT & TEE

GRASS 2"P-MP GAS GRASS CONC WALK CONC WALK CONC WALK 2"P-MP GAS

R/W R/W R/W R/W

HAZARDOUS OR FLAMMABLE MATERIAL

NALD E
ANN
SAGINAW

TEMPLE OF FAITH APOSTOLIC CHURCH
1673 STANLEY ST, SAGINAW

STANLEY ST CONCRETE 66" SWR

PRUITT, SHARON D
1722 STANLEY ST, SAGINAW

DUKE, JONATHAN D
1716 STANLEY ST, SAGINAW

BEELINE DRYWALL
1671 HOLMES ST, SAGINAW

P/L P/L P/L P/L

60.00' 60.00'

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

PLAN VIEW
SOIL EROSION AND SEDIMENTATION CONTROL
ARTHUR ST FROM SUPERIOR TO NIAGARA &
MAPLE ST FROM ARTHUR TO MICHIGAN

DESIGNED BY	RR
DRAWN BY	RR/WL
CHECKED BY	TH
APPROVED BY	TH
CONSTRUCTED	
DATE OF PLAN	NOVEMBER 2025
SCALE	H:1" = 30'| V:1"=10'
SHEET	25 OF 25 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1723	N/A	N/A	25

PLOT DATE: April 20, 2026
DRAWING PATH:

NORTH ARROW

W MICHIGAN AVE

SALT

SUPERIOR ST

ZAUEL ST

S WHEELER ST

STANLEY ST

GILBERT ST

GROUT ST

MAPLE ST

HOLMES ST

NIAGARA ST

ARTHUR ST

GERMANIA PLATZ

BEACON DR

JOB SITE

OVERALL VIEW

KEY LEGEND

MAJOR ROAD

LOCAL ROAD

WM REPLACEMENT

QUICK QUANTITIES			
STREET	START	END	APPRX. LENGTH
Superior St	Arthur St	W Michigan Ave	869.52 Ft
Zauel St	Arthur St	W Michigan Ave	880.69 Ft
S Wheeler St	Arthur St	W Michigan Ave	877.02 Ft
Grout St	Arthur St	W Michigan Ave	878.39 Ft
Maple St	Arthur St	W Michigan Ave	872.03 Ft
Niagara St	Arthur St	W Michigan Ave	876.32 Ft
Salt St	Arthur St	W Michigan Ave	1,284.80 Ft
Arthur St	Superior St	Niagara St	3,154.64 Ft
Stanley St	S Wheeler St	Salt St	3,247.96 Ft
Gilbert St	S Wheeler St	Salt St	1011 Ft
Gilbert St	Maple St	Salt St	1,640.00 Ft

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

PLAN VIEW
PROJECT LOCATION
2026 ROAD MILLAGE PROJECT

DESIGNED BY RR
DRAWN BY RR
CHECKED BY TH
APPROVED BY TH

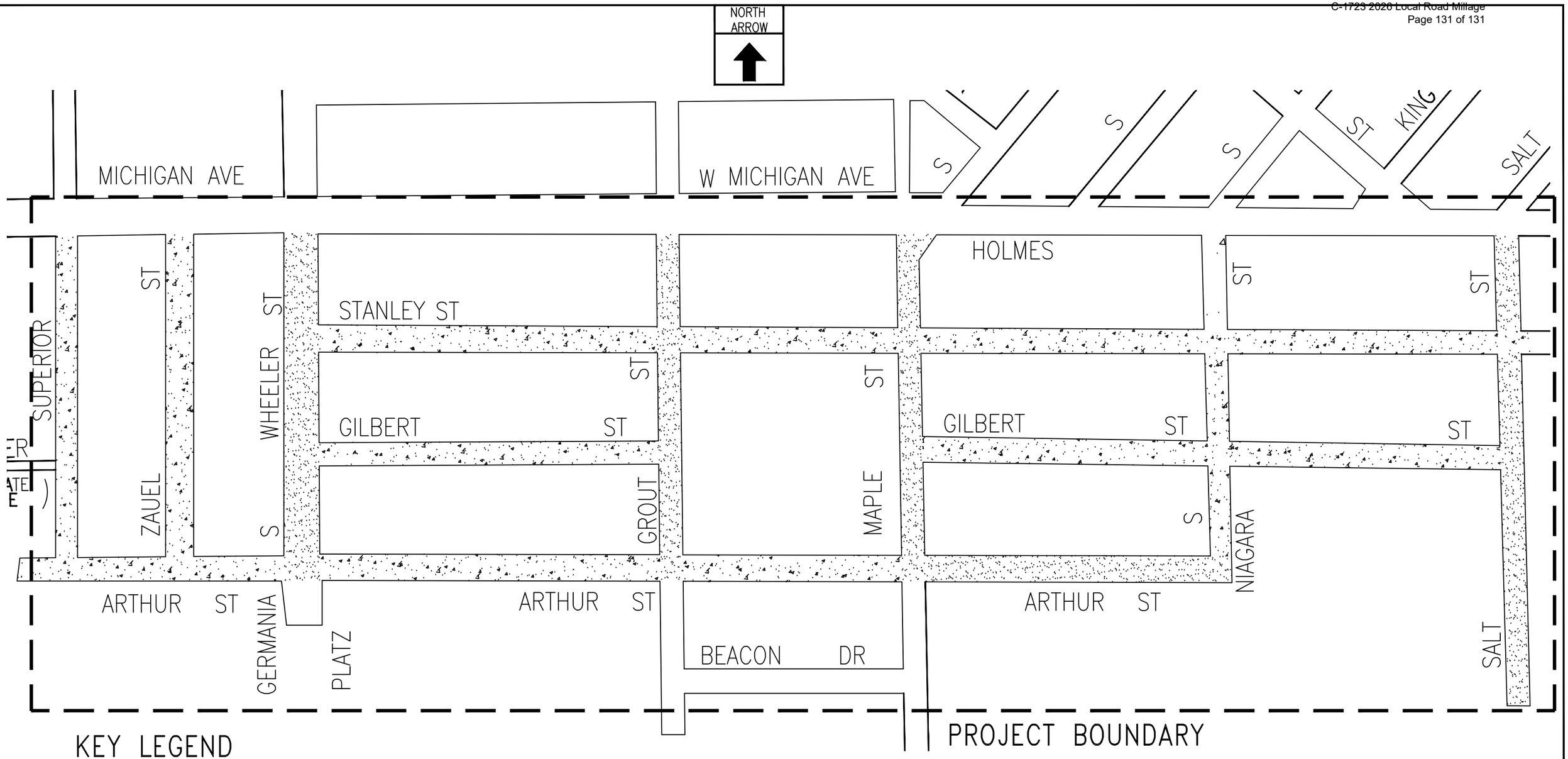
CONSTRUCTED
DATE OF PLAN JANUARY 2026
SCALE N/A
SHEET 01 OF 01 SHEETS

REVISION: DATE / INITIALS

INFORMATION ONLY
NOT FOR
CONSTRUCTION

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1723	N/A	N/A	01A

PLOT DATE: April 20, 2026
DRAWING PATH:



KEY LEGEND

ASPHALT SURFACE

CONCRETE SURFACE

NOTE: CONTRACTOR MUST VERIFY IN FIELD

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

PLAN VIEW
PROJECT LOCATIONS
2026 ROAD MILLAGE PROJECT

DESIGNED BY RR
DRAWN BY JCM
CHECKED BY TH
APPROVED BY TH

CONSTRUCTED
DATE OF PLAN JANUARY 2026
SCALE N/A
SHEET 01 OF 01 SHEETS

REVISION: | DATE / INITIALS

INFORMATION ONLY
NOT FOR
CONSTRUCTION

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1723	N/A	N/A	01B

PLOT DATE: April 20, 2026
DRAWING PATH:

Council Communication

Item Number: 27.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Hancock & Ames Reconstruction – N. Michigan to N. Niagara (C-1726)

Prepared By: Ronald (Ron) Rangel-Reyes, Assisstant City Engineer

Manager's Recommendation:

Approve the contract with Champagne & Marx Excavating, Inc. for $1,571,330 for the Hancock and Ames Reconstruction project from N. Michigan to N. Niagara for the Public Services Department, Engineering Division.

Justification:

On May 12, the City received two qualified bids for the Hancock & Ames Reconstruction project (C-1726) from N. Michigan to N. Niagara. The project includes hot mix asphalt (HMA) road reconstruction with new curb and gutter, ADA sidewalk ramps, and drive approaches; installation of new water main including fire hydrants, valves and services; and drainage improvements. The following is a tabulation of the bids received:

Vendor	Cost
Champagne & Marx Excavating, Inc. Saginaw, MI (Out-City)	$1,571,329.77
Lois Kay Contracting Co. Saginaw, MI (Out-City	$1,624,175.48

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Major Street Fund, Street Projects Division, Construction Projects Account No. 202-451.00-955.003 $65,431.77, the Sewer Operations and Maintenance Fund, Surplus Division, Construction Projects Account No. 590-546.02-955.003 $78,651.00, the Water Operations and Maintenance Fund, Surplus Division, Construction Projects Account No. 591-546.01-955.003 $227,247.00, and are budgeted in the Major Street Fund, Street Projects Division, Construction Projects Account No. 202-451.00-955.003 $800,000.00 and the Water Operations and Maintenance Fund, Surplus Division, Construction Projects Account No. 591-546.01-955.003 $400,000.00 for FY 2027.

I have approved the contract as to substance and is subject to City Attorney approval as to form.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

1. C-1726 Hancock & Ames Reconstruction - Michigan to Niagara

CITY OF SAGINAW
1315 S WASHINGTON AVE
SAGINAW MICHIGAN 48601

C-1726
HANCOCK & AMES RECONSTRUCTION MICHIGAN TO NIAGARA

BID OPENING TUESDAY, MAY 12, 2026 @ 3:00 PM

Council Meeting June 8, 2026
Champagne & Marx Excavating, Inc.
$1,571,329.77

TABLE OF CONTENTS
C-1726

HANCOCK & AMES RECONSTRUCTION – MICHIGAN AVE TO NIAGARA

CONTRACT ..... 3 pages
EXHIBIT A – Copy of bid ..... 11 pages
PERFORMANCE BOND ..... 4 pages
PAYMENT BOND ..... 4 pages
POWER OF ATTORNEY ..... 1 pages
INSURANCES ..... 1 pages
OCP'S ..... 2 pages

AS BID

SEALED BID INSTRUCTIONS 1
GENERAL INFORMATION 2
GENERAL INSTRUCTIONS TO BIDDERS 4
DIVISION 1: GENERAL CONDITIONS – CITY OF SAGINAW 11
NOTICE TO BIDDERS – CONSULTANTS/ INSURANCE/BONDS 32
NOTICE TO BIDDERS – IRAN SANCTIONS 36
NOTICE TO BIDDERS – PREFERENCE TO LOCAL BIDDERS 37
NOTICE INVITING SEALED BIDS 38
BID FORM 39
COPY OF CONTRACT 48
SCOPE OF WORK 51
PROGRESS CLAUSE 52
TECHNICAL SPECIFICATIONS 53
PRE-QUALIFICATION 54
SUBCONTRACTOR LIST 56
UTILITY COORDINATION 57
LIQUIDATED DAMAGES 58
PAVT, REM, MODIFIED 60
VERTICAL EXPLORATORY INVESTIGATION 61
MACHINE GRADING, MODIFIED 63
AGGREGATE BASE, __ INCH, MODIFIED 64
MAINTENANCE GRAVEL, MODIFIED 65
GEOTEXTILE, SEPARATOR, MODIFIED 66
SEWER TRAP 67
SEWER, _ INCH, SDR-26 68
STRUCTURE ADJUSTMENTS 69
DRAINAGE STRUCTURE COVERS 71
GAS AND WATER SHUTOFF, ADJ, MODIFIED 72
ALTERATIONS TO THE MUNICIPAL COMBINED SEWER SYSTEM 73
CONCRETE PAY ITEMS 80
CONCRETE SIDEWALK 81

MAINTAINING TRAFFIC....83
TURF ESTABLISHMENT, PERFORMANCE....85
MONUMENT BOX, MODIFIED....90
ALTERATIONS TO THE MUNICIPAL WATER SYSTEM....91
MASONRY FILLER WALL....113
DRAWINGS....116-139
GEOTECHNICAL EXPLORATION AND ENGINEERING REPORT....140-170
EGLE PERMIT....171-172

CONTRACT

CITY OF SAGINAW, MICHIGAN

This Contract is entered into on this 8 day of June, 2026, between C&M Asset Holdings, LLC , DBA Champagne & Marx Excavating of 1445 Liberty Rd. Saginaw, MI 48604 (hereinafter "Contractor"), and the City of Saginaw, 1315 S. Washington Avenue, Saginaw, Michigan 48601 (hereinafter "City"), for **HANCOCK & AMES RECONSTRUCTION – MICHIGAN AVE TO NIAGARA ST, (C-1726).**

WHEREAS, Contractor, at a regular meeting of the Council of the City of Saginaw, held on June 8, 2026, was awarded the contract for furnishing the necessary labor, equipment, materials, and construction for the completion of **HANCOCK & AMES RECONSTRUCTION – MICHIGAN AVE TO NIAGARA ST, (C-1726).**

Contractor, in consideration of the Agreement herein made by the City, agrees with the City as follows:

Article 1. SUBJECT MATTER. Contractor shall furnish all the materials, except those specified to be furnished by the City, and perform all the work for **HANCOCK & AMES RECONSTRUCTION – MICHIGAN AVE TO NIAGARA ST, (C-1726)** as listed on the Table of Contents, and as shown on the drawings prepared by the Department of Public Services, Engineering Division, and described in the specifications, and in accordance with the general conditions, the general instructions to bidders, the notice inviting sealed proposals and the proposal, all of which are hereby made a part of this Contract by reference as though fully set forth herein. The Contractor acknowledges Contractor has received a copy of all such documents.

Article 2. COMMENCEMENT OF WORK. The Contractor shall start work as specified in the Progress Clause, or as directed by the City Engineer and the work shall be carried on with due diligence, at such points and at such times and seasons, and with such force and in such manner as to secure the completion in accordance with the Progress Clause, the time of beginning, rate of progress and the time of completion being essential conditions of this Contract.

Article 3. PAYMENT. It is hereby mutually agreed that the City shall pay, and the Contractor receive, the sum of **$1,571,329.77** same being the amount named in the Contractor's proposal or bid as full compensation for labor and materials required in executing all the work contemplated in this Contract, subject to additions and deductions, as provided in the specifications.

Article 4. ESTIMATES. The City hereby agrees to make payment under the restrictions and limitations herein contained, from time to time, on account of performance of this contract, by orders drawn upon the proper fund of the City, paying NINETY PERCENT (90%) thereof on the basis of estimates made by the Department of Public Services & Engineering semi-monthly as the work progresses, and approved by the City Engineer. Said estimates shall be made in writing and shall only include work done and material in place and shall not include completed work which,

in the opinion of the City Engineer, is not advisable, for the protection of the City, at that time to make payment on, and such estimates may be altogether withheld when, in the opinion of the City Engineer, work does not progress in accordance with the provisions of this Contract; and the making and furnishing of such estimates shall not be deemed or construed as an acceptance of any part of the work under this Contract. The City Engineer may authorize the reduction of the amount so withheld so that total payment equals NINETY-FIVE PERCENT (95%) of the estimate where the City Engineer shall find that the retention of FIVE PERCENT (5%) of the estimate is sufficient to protect the City, but the total amount so retained shall not in any event be reduced to less than FIVE PERCENT (5%) of the contract price above stated.

Article 5. RETENTION OF MONEYS. In addition to the TEN PERCENT (10%) of contract price above retained, to insure the completion of the work, the City reserves the right to retain at all times from the estimates, an amount sufficient to pay and discharge all debts incurred by Contractor, or subcontractor, for labor performed in the progress of the work, and for material purchased and used, and, at its discretion, to pay the same to the parties entitled thereto, and charge the same against the contract price.

Article 6. SEPARATE CONTRACTS. Where two or more separate proposals are grouped together herein, it is expressly agreed that each of said proposals shall constitute a separate contract and that all of the terms, conditions, and provisions of this Contract shall apply to each of said proposals to the same extent and in the same manner as though each of said proposals had been the subject of a separate contract.

Article 7. PUBLIC ACT 524 of 1980. Notwithstanding any provision herein to the contrary, this agreement is subject to 1980 PA 524, which statute is incorporated herein and made a part hereof by reference. Contractor hereby agrees that the City may, at its option, submit the following matters to dispute resolution by an agent agreed to or selected in accordance with the procedures set forth in the statute:

A. At any time during the term of the contract, to determine whether there has been a delay for reasons that were within the control of the Contractor, and the period of time that delay has been caused, continued, or aggravated by actions of the Contractor.
B. At any time after ninety-four percent (94%) of work under the Contract is in place, whether there has been an unacceptable delay by the Contractor in performance of the remaining six percent (6%) of work under the Contract. The agent shall consider the terms in the Contract and procedures normally followed in the industry and shall determine whether the delay was for failure to follow reasonable improvement practices in the industry for completion of the project.

The agent shall have all the rights, powers and duties specified in the statute.

Article 8. ACCEPTANCE AND FINAL PAYMENT. The final payment, including any retainage previously withheld, shall be payable on the approval and acceptance of the work by the City Engineer.

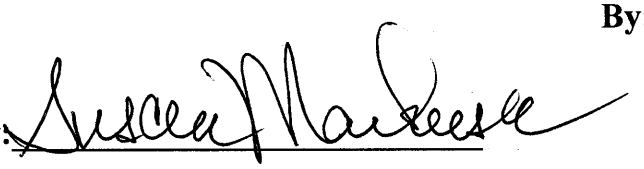
The payment of the final amount due under this Contract, and the adjustment and payment of all bills rendered for the work done in accordance with any alterations of same, shall release the City from any and all claims or liability on account of work performed or materials furnished under the Contract, or any alterations thereof.

The City of Saginaw has an income tax. All successful bidders will be subject to income tax withholdings and compliance is mandatory.

As part of the consideration for this Contract, the undersigned does hereby agree to have withheld from any payments due them, any amounts for taxes, fees or other charges due the City of Saginaw.

By their signatures below, the parties certify the persons signing on behalf of their respective party has the authority to do so. The parties hereto have executed this Contract the day and year first above written.

C&M Asset Holdings, LLC , DBA
Champagne & Marx Excavating

By: 

Name: Susan Markusic

Title: Controller

CITY OF SAGINAW

By: _____

Timothy Morales
City Manager

CHAMPAGNE, & MAY

CITY OF SAGINAW, MICHIGAN
BID FORM

C-1726 HANCOCK & AMES RECONSTRUCTION – MICHIGAN AVE TO NIAGARA ST

To the City of Saginaw Date: May 12, 2026

In response to your notice, the undersigned, hereinafter called the Contractor, hereby declares that the Contractor has read the "General Instruction to Bidders", "Sealed Bid Instructions" and "General Information", has examined the plans, specifications and the location of the work described herein, has reviewed the proposed Contract and its general conditions, and, is thus fully informed to the nature of the work and the conditions relating to its performance and further understands that the quantities shown hereon are approximate only and are subject to either increase or decrease.

The Contractor hereby proposes to furnish all the necessary equipment and tools, do all the work, furnish all the materials, except as otherwise specified and to complete the work herein described all in accordance with the Contract and its plans and specifications, of which this proposal is a part, for the unit prices named in the following itemized bid.

Prior to and contingent upon award of a contract of $50,000.00 or more, the undersigned further agrees to furnish a surety company performance bond in the sum of not less than 100 percent (100%) of the total amount of the contract company to secure the faithful performance of the Contract and, when required, a surety company labor and material bond in the sum of not less than 100 percent (100%) of the total amount of the Contract for the protection of subcontractors, labor and material suppliers, according to the laws of the State of Michigan at that time in effect. Said signed Contract, surety company bonds, and insurance shall be furnished within ten (10) days from date of notification by the Engineering Division of acceptance of the proposal submitted. The Contract cannot be fully awarded by City Council without the return of these executed documents.

In compliance with the requirements of said notice, this proposal is accompanied by an **original** bid bond, bank money order, certified check, or cashier's check in the sum of five percent (5%) of total bid to guarantee that a contract will be entered into if the above proposal is accepted, and the contract awarded to the undersigned.

52.222-21 Prohibition of Segregated Facilities.

As prescribed in 22.810(a)(1), insert the following clause:

Prohibition of *Segregated Facilities* (Apr 2015)

(a) *Definitions*. As used in this clause

Gender identity has the meaning given by the Department of Labor's Office of Federal Contract Compliance Programs, and is found at http://www.dol.gov/ofccp/LGBT/LGBT_FAQs.html.

Segregated facilities, means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees, that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, sex, *sexual orientation*, *gender identity*, or national origin because of written or oral policies or employee custom. The term does not include separate or single-user rest rooms or necessary dressing or sleeping areas provided to assure privacy between the sexes.

Sexual orientation has the meaning given by the Department of Labor's Office of Federal Contract Compliance Programs, and is found at http://www.dol.gov/ofccp/LGBT/LGBT_FAQs.html.

(b) The Contractor agrees that it does not and will not maintain or provide for its employees any *segregated facilities* at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where *segregated facilities* are maintained. The Contractor agrees that a breach of this clause is a violation of the Equal Opportunity clause in this contract.

(c) The Contractor *shall* include this clause in every subcontract and *purchase order* that is subject to the Equal Opportunity clause of this contract.

(End of clause)

Parent topic: 52.222 [Reserved]

	DESCRIPTION	APPX. QUANT.	UNIT	UNIT PRICE	BID AMOUNT
1	Mobilization, Max $124,600	1	LSUM	$124,600.00	$124,600.00
2	Dr Structure, Rem	3	Ea	$550.00	$1,650.00
3	Sewer, Rem, Less than 24 inch	44	Ft	$45.00	$1,980.00
4	Sidewalk, Rem	2,340	Syd	$14.00	$32,760.00
5	Structures, Rem Portions	1	LSUM	$2,600.00	$2,600.00
6	Utility Pole, Rem	1	Ea	$1,000.00	$1,000.00
7	Exploratory Investigation, Vertical, Modified	60	FT	$150.00	$9,000.00
8	Pavt, Rem, Modified	4,415	Syd	$12.50	$55,187.50
9	Non Haz Contaminated Material Handing and Disposal, LM	50	Cyd	$68.00	$3,400.00
10	Subgrade Undercutting, Type II	50	Cyd	$90.00	$4,500.00
11	Machine Grading, Modified	10	Sta	$14,000.00	$140,000.00
12	Backfill, Structure, CIP	230	Cyd	$40.00	$9,200.00
13	Erosion Control, Inlet Protection, Fabric Drop	15	Ea	$125.00	$1,875.00
14	Subbase, CIP	1,500	Cyd	$40.00	$60,000.00
15	Aggregate Base, 4 inch, Modified	530	Syd	$23.00	$12,190.00
16	Aggregate Base, 9 inch, Modified	3,935	Syd	$26.00	$102,310.00
17	Maintenance Gravel, Modified	100	Ton	$50.00	$5,000.00
18	Geotextile, Separator, Modified	4,465	Syd	$2.50	$11,162.50
19	Sewer,12 inch, SDR-26	57	Ft	$178.00	$10,146.00
20	Sewer, 6 inch, SDR-26	51	Ft	$150.00	$7,650.00
21	Sewer Trap	3	Ea	$625.00	$1,875.00

22	Dr Structure, Tap, 6 inch	2	Ea	$400.00	$800.00
23	Combined Sewer Manhole, Adj, Add Depth	6	Ft	$550.00	$3,300.00
24	Combined Sewer Manhole, Cover, Adj, Case 1	9	Ea	$1,200.00	$10,800.00
25	Dr Structure Cover, ADA Compliant, Modified	1	Ea	$1,100.00	$1,100.00
26	Dr Structure Cover, Type B, Modified	9	Ea	$750.00	$6,750.00
27	Dr Structure Cover, Type K, Modified	3	Ea	$1,000.00	$3,000.00
28	Dr Structure, 48 inch dia, Modified	4	Ea	$4,200.00	$16,800.00
29	Gas and Water Shutoff, Adj, Modified	13	Ea	$550.00	$7,150.00
30	Hand Patching	4	Ton	$175.00	$700.00
31	HMA, 4EL	500	Ton	$74.90	$37,450.00
32	HMA, 5EL	500	Ton	$82.20	$41,100.00
33	Cement	3	Ton	$200.00	$600.00
34	Driveway, Nonreinf Conc, 7 inch, Modified	239	Syd	$59.30	$14,172.70
35	Curb and Gutter, Conc, Det F2, Modified	1,878	Ft	$22.96	$43,118.88
36	Curb Ramp Opening, Conc, Modified	36	Ft	$22.96	$826.56
37	Detectable Warning Surface, Modified	48	Ft	$100.00	$4,800.00
38	Curb Ramp, Conc, 4 inch, Modified	622	Sft	$4.50	$2,799.00
39	Curb Ramp, Conc, 7 inch, Modified	715	Sft	$6.58	$4,704.70
40	Sidewalk, Conc, 4 inch, Modified	13,800	Sft	$4.50	$62,100.00
41	Sidewalk, Conc, 7 inch, Modified	2,545	Sft	$6.58	$16,746.10
42	Post, Steel, 3 pound	340	Ft	$12.50	$4,250.00
43	Sign, Type III, Rem	57	Ea	$74.40	$4,240.80
44	Sign, Type IIIA	99	Sft	$26.25	$2,598.75

45	Post, Flexible, Delineator, Surface Mtd, 36 inch	25	Ea	$211.50	$5,287.50
46	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	675	Ft	$10.00	$6,750.00
47	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	18	Ft	$25.00	$450.00
48	Pavt Mrkg, Waterborne, 4 inch, Yellow	1,812	Ft	$2.00	$3,624.00
49	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	1,812	Ft	$2.00	$3,624.00
50	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	43	Ea	$45.00	$1,935.00
51	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	43	Ea	$0.01	$0.43
52	Pedestrian Type II Barricade, Temp	32	Ea	$25.00	$800.00
53	Dust Palliative, Applied	3	Ton	$800.00	$2,400.00
54	Minor Traf Devices	1	LSUM	$20,000.00	$20,000.00
55	Plastic Drum, Fluorescent, Furn	30	Ea	$12.50	$375.00
56	Plastic Drum, Fluorescent, Oper	30	Ea	$0.01	$0.30
57	Sign, Type B, Temp, Primastic, Furn	295	Sft	$4.25	$1,253.75
58	Sign, Type B, Temp, Primastic, Oper	295	Sft	$0.01	$2.95
59	Sign, Type B, Temp, Primastic, Spec, Furn	135	Sft	$11.00	$1,485.00
60	Sign, Type B, Temp, Prismatic, Spec, Oper	135	Sft	$0.01	$1.35
61	Traf Regulator Control	1	LSUM	$5,000.00	$5,000.00
62	Turn Establishment, Performance	250	Syd	$25.00	$6,250.00
63	Monument Preservation	2	Ea	$750.00	$1,5000.00
64	Monument Box, Modified	1	Ea	$1,000.00	$1,000.00
65	Gate Valve and Box, 6 inch	2	Ea	$3,000.00	$6,000.00
66	Gate Valve and Box, 12 inch	3	Ea	$6,225.00	$18,675.00

67	Gate Valve and Box, 16 inch	2	Ea	$15,400.00	$30,800.00
68	Water Main, 12 inch, Tr Det G, Modified	490	Ft	$186.00	$91,140.00
69	Water Main, 4 inch, Tr Det G, Modified	10	Ft	$228.00	$2,280.00
70	Water Main, 6 inch, Tr Det G, Modified	80	Ft	$281.00	$22,480.00
71	Water Main, 8 inch, Tr Det G Modified	6	Ft	$550.00	$3,300.00
72	Water Main, DI, 16 inch, Tr Det G, Modified	477	Ft	$286.00	136,422.00
73	Connection To Existing 12 inch Water Main	3	Ea	$8,300.00	$24,900.00
74	Connection To Existing 16 inch Water Main	5	Ea	$20,000.00	$100,000.00
75	Connection To Existing 4 inch Water main	2	Ea	$6,000.00	$12,000.00
76	Connection To Existing 6 inch Water Main	1	Ea	$7,000.00	$7,000.00
77	Connection To Existing 8 inch Water Main	1	Ea	$7,500.00	$7,500.00
78	Hydrant, Complete, 6 inch	1	Ea	$10,600.00	$10,600.00
79	Hydrant, Rem, Modified	1	Ea	$1,000.00	$1,000.00
80	Water Serv, Long, Modified	8	Ea	$4,500.00	$36,000.00
81	Water Serv, Modified	5	Ea	$4,200.00	$21,000.00
82	Water Serv, Private	10	Ea	$6,500.00	$65,000.00
83	Abandon Existing Water Main, In Place	1	LSUM	$15,000.00	$15,000.00
84	Masonry Filler Wall	350	Sft	$30.00	$10,500.00

TOTAL BID $1,571,329.77

Please check the MDOT Work Pre-Qualification Classification that your

B. CONCRETE PAVING _____

Ba. CONCRETE PAVEMENT PATCHING AND WIDENING _____

J. MISCELLANEOUS CONCRETE ITEMS X

Cb. HOT MIX ASPHALT/BITUMINOUS PAVING _____

K. SEWER AND WATER MAINS X

OTHER NOT LISTED X

In accordance with the provisions of "Public Act 524 of 1980".

I do hereby designate Susan Markusic (name of representative) to submit a written request for progress payment during the duration of this contract.

The Contractor shall start work as specified in the Progress Clause, or as directed by the City Engineer. In no case, shall any work commence prior to receipt of formal Notice to Proceed from the City.

The undersigned bidder does hereby declare that the bidder has the legal status checked below:

_____ Individual

_____ Partnership

X _____ Corporation

Incorporated under the laws of the State of Michigan

_____ Limited Liability Company

Formed under the laws of the State of _____

The undersigned does hereby agree to honor this bid until November 12, 2026.

Michigan's Iran Economic Sanctions Act:
The signature below certifies your company is in compliance with the Michigan Iran Economic Sanctions Act as identified on page #39 of this document. Further information on this Act can be viewed at (http://www.state.gov/j/ct/list/c14151.htm and https://www.legislature.mi.gov/(S(qnwpjcm0uyo1f2fhz0w1mlyq))/mileg.aspx?page=GetObject&objectname=mcl-Act-517-of-2012)

(Signature)

Susan Markusic
(Printed name)

Controller
(Title)

This sheet must be included, or the bid will be disqualified.

By submitting a response to this request for proposal, the Contractor agrees to the terms and conditions set forth herein. Any changes made to such terms and conditions by Contractor in its response may result, at the City's sole discretion, in the Contractor's disqualification.

The successful Contractor will conform to all Contract specifications and requirements which are attached and incorporated as part of this bid. The City reserves the right to accept or reject any and all bids, or parts thereof, and to waive any irregularities in the bid except those specifically mentioned in the sealed bid instructions. Additionally, (if applicable) we reserve the right to add or delete any items(s) and/or service from this bid to the best benefit of The City of Saginaw.

By signature, the Contractor acknowledges that the signer below has complete authority to execute the bid on behalf of the Contractor and that the bid is genuine and not collusive in any manner; and that no other bidders were improperly induced to refrain from bidding or induced to submit a sham bid; and that the Contractor agrees to have withheld from any payment due them, any amounts owed for taxes or other charges due the City of Saginaw; and that successful bidders are subject to mandatory City of Saginaw income tax withholdings.

Signed	Susan Markusic	Address	1445 Liberty Rd
Name	Susan Markusic	City, State, Zip	Saginaw, MI 48604
Title	Controller	Telephone No:	(989) 755-8971
Company	Champagne & Marx Excavating	Fax No.	(989) 755-0033
E-mail	shelby@champagnemarx.com	Date:	May 12, 2026

Check List

Iran Sanctions sheet Signed and included	(Yes)	No
Bid Form Signed and included	(Yes)	No
2nd Copy of Bid form included	(Yes)	No

Applies ONLY if an addendum(s) has been issued for this project

Addendum(s) Cover Sheet

#1 – 1st page is signed and included	Yes	No
#2 – 1st page is signed and included	Yes	No
#3 – 1st page is signed and included	Yes	No

This sheet must be included, or the bid will be disqualified.

AIA® Document A310™ – 2010

Bid Bond

CONTRACTOR:
(Name, legal status and address)
Champagne & Marx Excavating Inc.
1445 Liberty Rd
Saginaw, MI 48604

SURETY:
(Name, legal status and principal place of business)
Swiss Re Corporate Solutions America Insurance Corporation
1200 Main St, Suite 800
Kansas City, MO 64105-2478

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

OWNER:
(Name, legal status and address)
City of Saginaw
1315 S. Washington Avenue
Saginaw , MI 48601
BOND AMOUNT: Five Percent (5%) of Amount Bid

PROJECT:
(Name, location or address, and Project number, if any)
C-1726 Hancock & Ames Reconstruction Michigan to Niagara - Underground Utilities, Sitework, and Excavation

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this **12th** day of **May, 2026**

Alexa Youngstrom
(Witness)

Champagne & Marx Excavating Inc.
(Principal) *(Seal)*
Susan Markusic
(Title) Susan Markusic, Controller

(Witness)

Swiss Re Corporate Solutions America Insurance Corporation
(Surety) *(Seal)*
(Title) **Susan L Small , Attorney-in-Fact**

Init.

AIA Document A310™ – 2010. Copyright © 1963, 1970 and 2010 by The American Institute of Architects. **All rights reserved.** WARNING: This AIA® Document is protected by U.S. Copyright Law and International Treaties. Unauthorized reproduction or distribution of this AIA® Document, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law. This document was created on 01/27/2012 07:23:12 under the terms of AIA Documents-on-Demand™ order no. 2008397483 , and is not for resale. This document is licensed by The American Institute of Architects for one-time use only, and may not be reproduced prior to its completion. 061110

SWISS RE CORPORATE SOLUTIONS

SWISS RE CORPORATE SOLUTIONS AMERICA INSURANCE CORPORATION ("SRCSAIC")
SWISS RE CORPORATE SOLUTIONS PREMIER INSURANCE CORPORATION ("SRCSPIC")
WESTPORT INSURANCE CORPORATION ("WIC")

GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT SRCSAIC, a corporation duly organized and existing under laws of the State of Missouri, and having its principal office in the City of Kansas City, Missouri, and SRCSPIC, a corporation organized and existing under the laws of the State of Missouri and having its principal office in the City of Kansas City, Missouri, and WIC, organized under the laws of the State of Missouri, and having its principal office in the City of Kansas City, Missouri, each does hereby make, constitute and appoint:

ROBERT TROBEC, IAN J. DONALD, JEFFREY A. CHANDLER, ALAN P. CHANDLER, SUSAN L. SMALL, T. J. GRIFFIN, JOHN L. BUDDE,

TERENCE J. GRIFFIN, TERRI L. YOUNG, PATRICK E. WILLIAMS, WENDY LEE HINGSON, BRYAN FORMSA, and KRISTA L. POCKET

JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of:

TWO HUNDRED MILLION ($200,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of both SRCSAIC and SRCSPIC at meetings duly called and held on the 18th of November 2021 and WIC by written consent of its Executive Committee dated July 18, 2011.

"RESOLVED, that any two of the President, any Managing Director, any Senior Vice President, any Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is, authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Corporation bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Corporation; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Corporation may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Corporation when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached."

SWISS RE CORPORATE SOLUTIONS AMERICA INSURANCE CORPORATION SEAL 1973 MISSOURI

SWISS RE CORPORATE SOLUTIONS PREMIER INSURANCE CORPORATION SEAL MISSOURI

By _____
Erik Janssens, Senior Vice President of SRCSAIC & Senior Vice President of SRCSPIC & Senior Vice President of WIC

By _____
Gerald Jagrowski, Vice President of SRCSAIC & Vice President of SRCSPIC & Vice President of WIC

WESTPORT INSURANCE CORPORATION CORPORATE SEAL MISSOURI

IN WITNESS WHEREOF, SRCSAIC, SRCSPIC, and WIC have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers

this 10TH day of NOVEMBER 20 23

Swiss Re Corporate Solutions America Insurance Corporation
Swiss Re Corporate Solutions Premier Insurance Corporation
Westport Insurance Corporation

State of Illinois
County of Cook ss

On this 10TH day of NOVEMBER, 20 23, before me, a Notary Public personally appeared Erik Janssens, Senior Vice President of SRCSAIC and Senior Vice President of SRCSPIC and Senior Vice President of WIC and Gerald Jagrowski, Vice President of SRCSAIC and Vice President of SPCSPIC and Vice President of WIC, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.

Karen M. Szweda, Notary

I, Jeffrey Goldberg, the duly elected Senior Vice President and Assistant Secretary of SRCSAIC and SRCSPIC and WIC, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said SRCSAIC and SRCSPIC and WIC, which is still in full force and effect.
IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 12th day of May 2026

OFFICIAL SEAL
KAREN M SZWEDA
Notary Public, State of Illinois
Commission No. 978628
My Commission Expires September 26, 2027

Jeffrey Goldberg, Senior Vice President & Assistant Secretary of SRCSAIC and SRCSPIC and WIC

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/18/2026

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

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

PRODUCER	CONTACT NAME: Gayle Botner
VTC Insurance Group Troy Office 1175 W. Long Lake Ste. 200 Troy MI 48098-4960	PHONE (A/C, No, Ext): (248)828-3377 FAX (A/C, No): (248)828-3741 E-MAIL ADDRESS: gbotner@vtcins.com
INSURED	INSURER(S) AFFORDING COVERAGE / NAIC #
C&M Asset Holdings LLC, DBA: Champagne & Marx Excavating 1445 Liberty Rd Saginaw MI 48604	INSURER A : Amerisure Insurance Company 19488 INSURER B : Amerisure Mutual Insurance Co. 23396 INSURER C : Westfield Specialty Ins. Co. 16992 INSURER D : INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** 25-26 Master **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE / X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY / X PRO-JECT / LOC OTHER:	X	Y	CPP212831600-01	6/30/2025	6/30/2026	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ $ $ $ $ $	1,000,000 1,000,000 10,000 1,000,000 2,000,000 2,000,000
A	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS / SCHEDULED AUTOS X HIRED AUTOS / X NON-OWNED AUTOS	X	Y	CA400058400-01	6/30/2025	6/30/2026	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $	1,000,000
B	X UMBRELLA LIAB / X OCCUR EXCESS LIAB / CLAIMS-MADE DED / RETENTION $			CU 212831900-02	6/30/2025	6/30/2026	EACH OCCURRENCE AGGREGATE	$ $	5,000,000 5,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N: N / N/A (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	Y	WC400058300-01	6/30/2025	6/30/2026	X PER STATUTE / OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ $ $	 1,000,000 1,000,000 1,000,000
A	Leased & Rented Equipment			CPP212831600-01	06/30/2025	06/30/2026	$360,000. Limit/$1,000 Ded		
C	Pollution/Professional			CPP 489187T-00	06/30/2025	06/30/2026	$2,000,000/$2,000,000		per claim/agg

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

Project: C-1726 Hancock & Ames Reconstruction - Michigan to Niagara. Where required by written contract, the City of Saginaw, its officers, employees, agents, or representatives are add'l insured for General Liability (GL) as respects ongoing & completed operations on a primary & non-contributory basis and add'l insured with respects to Automobile liability. GL, Auto & Workers Comp policies include waiver of subrogation on behalf of the additional insured as required by written contract and where allowed by law. Umbrella/Excess liability coverage follows form over GL, Auto & Employers Liability. Insurer will endeavor to mail 30 days written notice of cancellation to the certificate holder for the additional

CERTIFICATE HOLDER

City of Saginaw
1315 S. Washington Ave
Saginaw, MI 48601

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Alan Chandler/SZEBRO

© 1988-2014 ACORD CORPORATION. All rights reserved.

COMMENTS/REMARKS

insured, however, failure to do so will impose no liability of any kind upon the insurer or its agents or representatives.

COPYRIGHT 2000, AMS SERVICES INC.

INSURANCE BINDER

DATE (MM/DD/YYYY): 05/19/2026

THIS BINDER IS A TEMPORARY INSURANCE CONTRACT, SUBJECT TO THE CONDITIONS SHOWN ON PAGE 2 OF THIS FORM.

AGENCY
Valenti Trobec Chandler Inc
1175 W. Long Lake, Suite 200
PO Box 4960
Troy MI 48098-4960

PHONE (A/C, No, Ext): (248) 828-3377 FAX (A/C, No): (248) 828-3741

CODE: SUB CODE:

AGENCY CUSTOMER ID: 00154736

INSURED AND MAILING ADDRESS
City of Saginaw
1315 S. Washington Ave
Saginaw MI 48601

COMPANY
Amerisure Mutual Insurance Co.

BINDER #
B2651976049

EFFECTIVE DATE	EFFECTIVE TIME		EXPIRATION DATE	EXPIRATION TIME	
05/18/2026	12:01	X AM	07/17/2026	X 12:01 AM	
		PM			NOON

☐ THIS BINDER IS ISSUED TO EXTEND COVERAGE IN THE ABOVE NAMED COMPANY
PER EXPIRING POLICY #: OCP BINDER

DESCRIPTION OF OPERATIONS / VEHICLES / PROPERTY (Including Location)
Project: C-1726 Hancok & Ames Reconstruction - Michigan to Niagara
Job Cost: $1,571,330
Contractor: C&M Asset Holdings LLC DBA Champagne & Marx
Excavating 1445 Liberty Road
Saginaw, MI 48604

COVERAGES

TYPE OF INSURANCE	COVERAGE / FORMS	DEDUCTIBLE	COINS %	LIMITS AMOUNT
PROPERTY CAUSES OF LOSS ☐ BASIC ☐ BROAD ☐ SPEC				
GENERAL LIABILITY ☐ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☒ OCCUR ☒ Owners & Contractors Protective Liability	RETRO DATE FOR CLAIMS MADE:	EACH OCCURRENCE		$ 1,000,000.00
		DAMAGE TO RENTED PREMISES		$
		MED EXP (Any one person)		$
		PERSONAL & ADV INJURY		$
		GENERAL AGGREGATE		$ 2,000,000.00
		PRODUCTS - COMP/OP AGG		$
VEHICLE LIABILITY ☐ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY		COMBINED SINGLE LIMIT		$
		BODILY INJURY (Per person)		$
		BODILY INJURY (Per accident)		$
		PROPERTY DAMAGE		$
		MEDICAL PAYMENTS		$
		PERSONAL INJURY PROT		$
		UNINSURED MOTORIST		$
				$
VEHICLE PHYSICAL DAMAGE DED ☐ COLLISION: ☐ OTHER THAN COL:	☐ ALL VEHICLES ☐ SCHEDULED VEHICLES	☐ ACTUAL CASH VALUE ☐ STATED AMOUNT ☐		$
GARAGE LIABILITY ☐ ANY AUTO		AUTO ONLY - EA ACCIDENT		$
		OTHER THAN AUTO ONLY: EACH ACCIDENT		$
		AGGREGATE		$
EXCESS LIABILITY ☐ UMBRELLA FORM ☐ OTHER THAN UMBRELLA FORM	RETRO DATE FOR CLAIMS MADE:	EACH OCCURRENCE		$
		AGGREGATE		$
		SELF-INSURED RETENTION		$
WORKER'S COMPENSATION AND EMPLOYER'S LIABILITY		☐ PER STATUTE		
		E.L. EACH ACCIDENT		$
		E.L. DISEASE - EA EMPLOYEE		$
		E.L. DISEASE - POLICY LIMIT		$
SPECIAL CONDITIONS / OTHER COVERAGES		FEES		$
		TAXES		$
		ESTIMATED TOTAL PREMIUM		$

NAME & ADDRESS

☐ ADDITIONAL INSURED ☐ LOSS PAYEE ☐ MORTGAGEE
☐ LENDER'S LOSS PAYABLE ☐

LOAN #:

AUTHORIZED REPRESENTATIVE
Alan P. Chandler

© 1993-2016 ACORD CORPORATION. All rights reserved.

The ACORD name and logo are registered marks of ACORD

CONDITIONS

This Company binds the kind(s) of insurance stipulated on page 1 of this form. The Insurance is subject to the terms, conditions and limitations of the policy(ies) in current use by the Company.

This binder may be cancelled by the Insured by surrender of this binder or by written notice to the Company stating when cancellation will be effective. This binder may be cancelled by the Company by notice to the Insured in accordance with the policy conditions. This binder is cancelled when replaced by a policy. If this binder is not replaced by a policy, the Company is entitled to charge a premium for the binder according to the Rules and Rates in use by the Company.

Applicable in Arizona

Binders are effective for no more than ninety (90) days.

Applicable in California

When this form is used to provide insurance in the amount of one million dollars ($1,000,000) or more, the title of the form is changed from "Insurance Binder" to "Cover Note".

Applicable in Colorado

With respect to binders issued to renters of residential premises, home owners, condo unit owners and mobile home owners, the insurer has thirty (30) business days, commencing from the effective date of coverage, to evaluate the issuance of the insurance policy.

Applicable in Delaware

The mortgagee or Obligee of any mortgage or other instrument given for the purpose of creating a lien on real property shall accept as evidence of insurance a written binder issued by an authorized insurer or its agent if the binder includes or is accompanied by: the name and address of the borrower; the name and address of the lender as loss payee; a description of the insured real property; a provision that the binder may not be canceled within the term of the binder unless the lender and the insured borrower receive written notice of the cancellation at least ten (10) days prior to the cancellation; except in the case of a renewal of a policy subsequent to the closing of the loan, a paid receipt of the full amount of the applicable premium, and the amount of insurance coverage.

Chapter 21 Title 25 Paragraph 2119

Applicable in Florida

Except for Auto Insurance coverage, no notice of cancellation or nonrenewal of a binder is required unless the duration of the binder exceeds 60 days. For auto insurance, the insurer must give 5 days prior notice, unless the binder is replaced by a policy or another binder in the same company.

Applicable in Maryland

The insurer has 45 business days, commencing from the effective date of coverage to confirm eligibility for coverage under the insurance policy.

Applicable in Michigan

The policy may be cancelled at any time at the request of the insured.

Applicable in Montana

No binder shall be valid beyond the issuance of the policy with respect to which it was given or beyond 90 days from its effective date, whichever period is the shorter. If the policy has not been issued, a binder may be extended or renewed beyond such 90 days with the written approval of the insurer.

Applicable in Nevada

Any person who refuses to accept a binder which provides coverage of less than $1,000,000.00 when proof is required: (A) Shall be fined not more than $500.00, and (B) is liable to the party presenting the binder as proof of insurance for actual damages sustained therefrom.

Applicable in Oklahoma

All policies shall expire at 12:01 a.m. standard time on the expiration date stated in the policy.

Applicable in Oregon

Binders are effective for no more than ninety (90) days. A binder extension or renewal beyond such 90 days would require the written approval by the Director of the Department of Consumer and Business Services.

Applicable in the Virgin Islands

This binder is effective for only ninety (90) days. Within thirty (30) days of receipt of this binder, you should request an insurance policy or certificate (if applicable) from your agent and/or insurance company.

CITY OF SAGINAW
1315 S WASHINGTON AVE
SAGINAW MICHIGAN 48601

C-1726
HANCOCK & AMES RECONSTRUCTION
MICHIGAN TO NIAGARA

BID OPENING
TUESDAY, MAY 12, 2026
3:00 PM

TABLE OF CONTENTS
C-1726

HANCOCK & AMES RECONSTRUCTION – MICHIGAN AVE TO NIAGARA

SEALED BID INSTRUCTIONS 1

GENERAL INFORMATION 2

GENERAL INSTRUCTIONS TO BIDDERS 4

DIVISION 1: GENERAL CONDITIONS – CITY OF SAGINAW 11

NOTICE TO BIDDERS – CONSULTANTS/ INSURANCE/BONDS 32

NOTICE TO BIDDERS – IRAN SANCTIONS 36

NOTICE TO BIDDERS – PREFERENCE TO LOCAL BIDDERS 37

NOTICE INVITING SEALED BIDS 38

BID FORM 39

COPY OF CONTRACT 48

SCOPE OF WORK 51

PROGRESS CLAUSE 52

TECHNICAL SPECIFICATIONS 53

PRE-QUALIFICATION 54

SUBCONTRACTOR LIST 56

UTILITY COORDINATION 57

LIQUIDATED DAMAGES 58

PAVT, REM, MODIFIED 60

VERTICAL EXPLORATORY INVESTIGATION 61

MACHINE GRADING, MODIFIED 63

AGGREGATE BASE, __ INCH, MODIFIED 64

MAINTENANCE GRAVEL, MODIFIED 65

GEOTEXTILE, SEPARATOR, MODIFIED 66

SEWER TRAP 67

SEWER, _ INCH, SDR-26 68

STRUCTURE ADJUSTMENTS 69

DRAINAGE STRUCTURE COVERS 71

GAS AND WATER SHUTOFF, ADJ, MODIFIED 72

ALTERATIONS TO THE MUNICIPAL COMBINED SEWER SYSTEM 73

CONCRETE PAY ITEMS 80

CONCRETE SIDEWALK 81

MAINTAINING TRAFFIC 83

TURF ESTABLISHMENT, PERFORMANCE 85

MONUMENT BOX, MODIFIED 90

ALTERATIONS TO THE MUNICIPAL WATER SYSTEM 91

MASONRY FILLER WALL 113

DRAWINGS 116-139

GEOTECHNICAL EXPLORATION AND ENGINEERING REPORT 140-170

EGLE PERMIT 171-172

City of Saginaw, Michigan
Purchasing Division
(989) 759-1430

SEALED BID INSTRUCTIONS

SEALED BIDS MUST BE SUBMITTED ACCORDING TO THE FOLLOWING INSTRUCTIONS OR YOUR BID WILL BE DISQUALIFIED

1. Bids must be submitted on printed forms furnished by the City Purchasing Office. Voluntary alternates may be attached to bid form, if necessary.
2. Bids must be in ink or typewritten.
3. Bids must contain bidder's complete name, address, and telephone number.
4. Bids must be signed in ink and dated.
5. Bids must include delivery or completion time.
6. If an addendum is issued by the City, it must be signed, dated, and returned with bid.
7. An **original** bid bond, bank money order, certified check, or cashier's check in the amount of five percent (5%) of the total amount bid must be submitted with any bid in excess of $100,000. The AIA Document A310 – 2010 bid bond is the preferred format. If the agreement is for multiple years, each year should be combined to get your total cost. **Facsimiles or copies of bid bond will not be accepted, and bid will be disqualified if submitted.**
8. All erasures or corrections to pricing information must be initialed in ink.
9. If this is a Davis-Bacon Prevailing Wage Project, it will include a wage decision and Division 2. The City of Saginaw does not have a Prevailing Wage ordinance.
10. In case of a discrepancy between a unit price and its extension, the unit price will be considered correct, and the bid will be recalculated to determine the amount bid. All addition errors will be corrected, and the total bid will be adjusted to reflect the corrections.
11. All bids must be in the City Purchasing Office, 1315 S. Washington Ave. Saginaw, MI 48601 by the date and time specified on bid forms. The Purchasing Office is located at Saginaw City Hall in room #105.
12. Each bidder's envelope, FED EX box/letter, UPS box/letter, or any other method of sealed delivery must have the bid number or contract number on the outside of the container. **UNMARKED BIDS WILL BE DISQUALIFIED.**
13. EACH BID MUST BE ENCLOSED IN A SEPARATE SEALED ENVELOPE WITH **SEALED BID AND THE BID NUMBER** MARKED ON THE FRONT. A COPY OF THE ORIGINAL BID MUST ALSO BE INCLUDED IN THE BID.

RIGHT OF CITY TO ACCEPT OR REJECT BIDS

THE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY AND ALL BIDS, OR PARTS THEREOF, AND TO WAIVE ANY IRREGULARITIES WHICH DO NOT MATERIALLY AFFECT THE BID DOCUMENT OR OTHERWISE CONFLICT WITH STATUTE OR ORDINANCE. ANY REJECTION OF BIDS SHALL BE MADE ONLY IF THERE IS A SOUND DOCUMENTED REASON FOR SAME.

REV 9-2021

GENERAL INFORMATION

MAIL OR DELIVER ALL SEALED BIDS TO THE FOLLOWING ADDRESS BY THE DATE AND TIME SPECIFIED ON BID FORM

CITY OF SAGINAW PURCHASING OFFICE – ROOM #105
1315 S. WASHINGTON AVENUE, SAGINAW, MICHIGAN 48601

SEALED BID DOCUMENTS

EFFECTIVE IMMEDIATELY: All interested bidders may obtain bid document forms, proposal instructions, general specifications, and bid results from the City of Saginaw website **(www.saginaw-mi.com).**

NO CONTRACT SHALL BE VALID UNLESS APPROVED BY CITY COUNCIL

Pursuant to the Charter of the City of Saginaw, written contracts involving the Expenditure of $2,000 or more shall require the approval of City Council. No City Employee has the authority to bind the City to such a contract.

ALTERATION OF BID BY BIDDER

After bids have been opened, the bidder will not be allowed to withdraw, modify or correct any bid. Substitutions and alternates: If a document is issued with the language "No Substitutions, then none will be considered. If a document does not include this language the respective bidder can include a substitution and/or alternate of which the Cit reserves the right to determine equivalent.

EVIDENCE OF BIDDER'S QUALIFICATIONS

Bidders may be required to give some satisfactory evidence that they have been regularly engaged in the business or are reasonably familiar therewith, and that they are fully prepared with the necessary capital, materials, and machinery to complete the work or to furnish the material contracted for the satisfaction of the city.

FAMILIARITY OF BIDDER WITH CONTRACT REQUIREMENTS

Bidders are warned that they must inform themselves of the character and amount of work, labor, or material to be furnished under the contract.

CONTRACT ASSIGNMENTS OR TRANSFERS PROHIBITED

The assignment or transfer of a contract or of interest in the contract are prohibited unless approved by the proper City department and City Council.

CITY INCOME TAX COMPLIANCE

Bidders are hereby notified that the City of Saginaw has an income tax. All successful bidders will be subject to income tax withholding and compliance is mandatory. Per section 14 of the City of Saginaw uniform income tax ordinance, the tax percentage is 1.5% on income earned from the City. The tax shall apply on the taxable net profits of a corporation doing business within the City, being levied on such part of the taxable net profits as is earned by the corporation as a result of work done, services rendered and other business activities conducted with the City as determined in accordance with this ordinance.

WITHHOLDING FROM PAYMENTS

As part of the consideration for any bid/contract, all bidders agree to have withheld from any payment due them, any amounts for taxes, fees, or other charges due the City of Saginaw.

CONTRACT COMPLIANCE ORDINANCE

The City of Saginaw has a Contract Compliance Ordinance, which requires bidders to submit documentation furnished by the City indicating compliance with the Ordinance. Contract compliance forms must be sent to the City Purchasing Office; 1315 S. Washington Avenue; Saginaw, Michigan 48601. Forms may be obtained by calling (989) 759-1430.

BID FORMS

A copy of the original bid form is to be enclosed in the bid envelope (original plus a complete copy). "All or None" means bidders are required to submit pricing for all years and/or all items requested. Any proposal received that does not meet this requirement will be disqualified. If said bid is not listed as "All or None" the City reserves the right to split said bid to our best benefit. If you receive a bid copy from our website and have never conducted business with us you can also complete a copy of the "Vender Compliance From" are return it to us or contact our Purchasing Office so you can be formally added to the respective bidder list for that good or service. (989) 759-1430.

BID RESULTS

A bid tabulation sheet showing the initial results will be posted on our website within 48 hours of the bid opening date. Once the respective department reviews the bids, they will make a recommendation on who our City Council should award the bid to. At that time, the recommendation will also be posted on the tabulation sheet as a secondary notice.

INSTRUCTIONS AS PART OF CONTRACT

These instructions are to be construed with and made part of the contract or purchase order.

GENERAL INSTRUCTION TO BIDDERS

1. INTENT

It is the intent of the City, unless otherwise specified, that work on any contract awarded under the advertisement, to be started no later than Thirty (30) calendar days after award of the contract or the date specified in the contract documents, and that the work shall be carried on with due diligence, at such points and at such times and seasons, and with such force and in such manner as to secure its completion on or before the completion date as specified in the advertisement or as determined by the proposal or construction schedule, submitted by the Contractor.

2. INTERPRETATIONS OR ADDENDA

No oral interpretation will be made to any bidder *as* to the meaning of the contract documents or any part thereof. Every request for such an interpretation shall be made in writing to the City Engineer. Any inquiry received seven (7) or more days prior to the date fixed for the opening of bids will be given consideration. Every interpretation made to a bidder will be in the form of an addendum to the contract documents and when issued will be on file in the office of the City Purchasing Officer and the office of the City Engineer. In addition, it shall be *the* bidder's responsibility to make inquiry as to the addenda issued. All such addenda shall become part of the contract documents and all bidders shall be bound by such addenda, whether or not received by the bidder.

3. INSPECTION OF SITE

Each bidder should visit the site of the proposed work and fully acquaint themselves with the existing conditions there relating to the work and should inform themselves as to the facilities involved, the difficulties and the restrictions attending the performance of the contract. The bidder shall thoroughly examine and familiarize themselves with the drawings, specifications, and all other contract documents. The Contractor by the execution of the contract shall in no way be relieved of any obligation under it due to their failure to receive or examine any form or legal instrument or to visit the site and acquaint themselves with the conditions there existing. The City of Saginaw will be justified in rejecting any claim based on facts regarding which he should have been on notice *as* a result thereof.

4. BIDS ON MORE THAN ONE CONTRACT

Any bidder may **submit** a proposal on any single contract, or on any number of contracts, or on all the contracts included in the advertisement. Bidders are cautioned to give full consideration to other commitments which might effect the starting date, schedule of progress, or completion date for any contracts awarded hereunder.

5. DEFINITIONS

The term "City Engineer" shall mean the Director of Public Service, or the City Engineer of the City of Saginaw.

The term "Department of Engineering" shall mean the Department of Public Services and Engineering of the City of Saginaw.

6. CORRECTIONS

All erasures or corrections to pricing information must be initialed in ink.

7. COLLUSIVE AGREEMENT (SEE PROPOSAL)

Each bidder submitting a bid to the City of Saginaw for any portion of the work contemplated by the documents on which bidding is based shall by signing the proposal form sheet agree that the bid is genuine and not sham or collusive or made in the interests or on behalf of any person not therein named. That the bidder has not directly or indirectly induced or solicited any bidder to put in a sham bid or any other person or corporation to refrain from bidding, and that the bidder has not in any manner sought by collusion to secure himself an advantage over other bidders.

8. STATEMENT OF BIDDER'S QUALIFICATIONS

Each bidder shall, upon request of the City of Saginaw, submit a statement of the bidder's qualifications, their construction experience, and their organization and equipment available for the work contemplated, and when specifically requested by the City of Saginaw, a detailed financial statement. The City of Saginaw shall have the right to take such steps as it deems necessary to determine the ability of the bidder to perform their obligations under the contract, and the bidder shall furnish the City of Saginaw all such information and data for this purpose as it may request. The right is reserved to reject any bid where an investigation of the available evidence or information does not satisfy the City of Saginaw that the bidder is qualified to carry out properly the terms of the contract.

9. ALTERNATIVE BIDS

No alternative bids will be considered unless specifically requested.

10. BIDS

a. Bidders are warned that they must inform themselves of the character and amount of work, labor, or material to be furnished under the contract. All bids must be submitted on forms supplied by the City of Saginaw and shall be subject to all requirements of the contract documents, including the drawings and these INSTRUCTIONS TO BIDDERS. All bids must be regular in every respect and no interlineations, excisions or special conditions shall be made or included in the Bid Form by the bidder. After bids have been opened, permission will not, in any case, be given for the withdrawal, modification or correction of any bid.

b. Bid documents, which are mailed shall include the bid, the bid guaranty (when required), the non-collusion affidavit, and the statement of bidder's qualification (if requested) and shall be enclosed in envelopes (outer and inner) both of which shall be sealed and clearly labeled "Sealed

Bid", (outer envelope properly addressed to "City of Saginaw Purchasing Office, 1315 S. Washington Avenue, Saginaw, Michigan 48601") project name and number, name of bidder, and date and time of bid opening, in order to guard against premature opening of the bid. All proposals must be either filled out in ink or typewritten; typewritten is preferred. Bids to include a copy along with the original.

c. The City of Saginaw may consider as irregular any bid on which there is an alteration of the bid form hereto attached and at its option may reject the same.

d. If the contract is awarded, it will be awarded by the City of Saginaw to a responsible bidder on the basis of the bid most favorable to the City of Saginaw. The contract will require the completion of work according to the contract documents. Transfer of contract or of interests in contract are prohibited unless approved by the proper City agency.

e. Each bidder shall include in his bid the following information:

I. Bidder Name
II. Address
III. City, State, Zip Code
IV. Telephone Number
V. E-mail
VI. Status

11. BID GUARANTY (When Applicable) (Effective February 16, 1984)

a. Bids of $100,000 or more must be accompanied by a bid guaranty which shall not be less than five percent (5%) of the total contract cost of construction including all overhead items. The bid bond shall be secured by a guaranty, or a surety company listed in the latest issue of U.S. Treasury Circular 570 and authorized to transact surety business in the State of Michigan. The amount of such bid bond shall be within the maximum amount specified for such company in said Circular 570. At the option of the bidder, the guaranty may be a certified check, cashier's check, bank money order or a bid bond in the amount specified. The AIA document A310 – 2010 bid bond is the preferred format. No bid will be considered unless it is accompanied by the required guaranty. The certified check, cashier's check, bank money order or a bid bond must be payable to the order of the City of Saginaw. The bid guaranty shall insure the execution of the agreement and the furnishing of the surety bond or bonds by the successful bidder, as required by the contract documents.

b. Revised bids submitted before the opening of bids, representing an increase in excess of two percent (2%) of the original bid, must have the bid guaranty adjusted accordingly, otherwise the bid will not be considered.

c. Certified checks or cashier's check, bid bonds, and bank money orders of unsuccessful bidders, will be returned as soon as practicable after award of a contract.

c

12. UNIT PRICE BIDS

The unit price for each of the several items in the proposal of each bidder shall include its pro-rata share of overhead so that the sum of the products obtained by multiplying the quantity shown for each item by the unit price bid represents the total bid. In case of a discrepancy between a unit price and its extension, the unit price will be considered correct, and the bid will be recalculated to determine the amount bid. All addition errors will be corrected, and the total bid will be adjusted to reflect the corrections. Special attention of all bidders is called to this provision, should conditions make it necessary to revise the quantities. No limit will be fixed for such increased or decreased quantities nor extra compensation allowed, provided the net monetary value of all such additive and subtractive changes in quantities or such items or work shall not increase or decrease the original contract prices by more than twenty percent (20%) unless mutually agreed upon in writing by the City Engineer and Contractor, that extra work, that is work not covered in the drawings and specifications, shall not increase the original contract by more than twenty percent (20%).

13. PUBLIC ACT 524 OF 1980 (When Applicable)

Sec.2 (1) 1980 P.A. 524 states as follows:

The construction contract shall designate a person representing the Contractor who will submit written requests for progress payments, and a person representing the public agency to whom request for progress payments are to be submitted. The written requests for progress payments shall be submitted to the designated person in a manner and at such times as provided in the construction contract.

Therefore, the Contractor shall state on “Bid Proposal” the name of the person who will be submitting request for progress payment and the request shall be made to the City Engineer.

14. TIME FOR RECEIVING BIDS

Bids received prior to the time of opening will be securely kept unopened. The Purchasing officer will decide when the specified time has arrived. No bid received thereafter will be considered, except that when a bid arrives by mail after the time fixed for opening, but before the reading of other bids is completed, and it is shown to the satisfaction of the City of Saginaw that the non-arrival on time was due solely to delay in the mails for which the bidder was not responsible, then such bid will be received and considered.

15. OPENING OF BIDS

At the time and place fixed for the opening of bids, the City of Saginaw open and publicly read aloud every bid received within the time set for receiving bids, irrespective of any irregularities therein. Bidders and other persons properly interested may be present, in person or by representative.

d

16. WITHDRAWAL OF BIDS

Bids may be withdrawn on written or telegraphic request dispatched by the bidder in time for delivery in the normal course of business prior to the time fixed for opening, provided that written confirmation or any telegraphic withdrawal over the signature of the bidder is placed in the mail and postmarked prior to the time set for bid opening. The bid guaranty of any bidder withdrawing his bid in accordance with the foregoing conditions will be returned promptly.

17. AWARD OF CONTRACTS: REJECTION OF BIDS

a. The contract will be awarded to the lowest responsible bidder complying with the conditions of the SEALED BID INFORMATION, provided such bid is reasonable and it is to the interest of the City of Saginaw to accept it. The City of Saginaw, however, reserves the right to accept or reject any and all bids or parts thereof, and to waive any irregularities in a bid except those specific any mentioned in the "Sealed Bid Instructions".

b. The City of Saginaw reserves the right to consider as unqualified to perform the contract, any bidder who does not habitually perform with his own forces, the major portions of the work involved.

c. On contracts of $50,000 or more, the bidder to whom the Purchasing Committee recommends for award will be required to provide bonds prior to award as outlined in Division 1, Section 121.

18. CONSTRUCTION SCHEDULE

In addition to the progress clause incorporated in the proposal, the successful bidder on any single contract, when so requested by the City Engineer, shall submit a schedule of the maximum number of calendar days required for the completion of the contract. The number of calendar days so stated, when approved by the City Engineer, shall be added to the starting date specified in Paragraph 1, and the date thus determined shall become the completion date of such contract unless otherwise specified in the contract.

The successful bidder on any two or more contracts, or the successful bidder on any single contract who also has uncompleted work on other City of Saginaw construction contracts previously awarded, shall prepare a Construction Schedule for submission to and approval by the City Engineer. When so requested by the City Engineer, the Construction Schedule shall be submitted immediately after the tabulation of bids in order that the information therein contained may be considered in the recommendation as to award of contracts. In any case, the Construction Schedule shall be submitted prior to the preparation of contract documents and not later than five (5) days after the tabulation of bids.

The Construction Schedule shall indicate the proposed sequence of operations, including any previously awarded City of Saginaw construction contracts not completed. The schedule shall show the total calendar days required for each contract and the date for starting and completion in each instance.

e

The schedule shall show whether or not the Contractor proposes to use more than one construction crew and, if requested, shall itemize the types and quantities of machinery and equipment available for the work.

19. SUBCONTRACTS

The Contractor's attention is directed to the requirements as outlined in Section 103, "SUBCONTRACTS", under Division 1, "General Conditions".

20. PRE-CONSTRUCTION MEETING

If so requested by the City Engineer, the Contractor shall make themselves available for a pre-construction meeting. The time and place of the meeting to be designated by the City Engineer.

21. PURCHASING ORDINANCE

The Purchasing Ordinance of the City of Saginaw, §14.30-14.45, applies to all contracts, sub-contractors, or purchase orders except where portions of the Ordinance may be preempted by law:

22. CONTRACT COMPLIANCE DOCUMENTATION

The following documents are to be filled out “Contract Compliance Agreement” and the “City of Saginaw Vendor Information” which are provided by the Purchasing Department.

23. MICHIGAN’S ELLIOTT-LARSEN CIVIL RIGHTS ACT, PUBLIC ACT 453 of 1976, as amended

All contracts in which the City of Saginaw is a party shall contain a covenant by the Contractor and any subcontractors not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment because of race, color, religion, national origin, age, sex, height, weight, sexual orientation, gender identity, marital status, or membership in another class of persons protected by law. Breach of this covenant may be regarded as a material breach of the contract.

24. MICHIGAN’S PERSONS WITH DISABILITIES CIVIL RIGHTS ACT, PUBLIC ACT 220 of 1976, as amended

All contractors and subcontractors shall be subject to and comply with the Michigan Persons with Disabilities Civil Rights Act which prohibits discriminatory practices, policies, and customs in the exercise of the civil rights of individuals with disabilities. A violation of the act may be regarded as a material breach of the contract.

25. AMERICANS WITH DISABILITIES ACT (ADA) of 1990, as amended

All contractors and subcontractors shall be subject to and comply with all the provisions of the Americans with Disabilities Act (ADA) of 1990. A violation of the Act may be regarded as a material breach of this contract.

26. CIVIL RIGHTS ACT OF 1964, as amended

All contractors and subcontractors shall be subject to and comply with all the provisions of the Civil Rights Act of 1964 which prohibits discrimination based on race, color, religion, sex, and national origin. A violation of the act may be regarded as a material breach of the contract.

27. GENETIC INFORMATION NONDISCRIMINATION ACT OF 2008 (GINA), as amended

All contractors and subcontractors shall be subject to and comply with all of provisions of the Genetic Information Nondiscrimination Act of 2008 which prohibits the use of genetic information in making employment decisions. A violation of the act may be regarded as a material breach of the contract.

g

Table of Contents

Division 1 – General Conditions		Page
101.	Definitions	2
102.	Application of Conditions	2
103.	Subcontracts	3
104.	Assignment of Contract	3
105.	Responsibilities of Contractor	3
106.	City Engineer’s Power	4
107.	Contracts for Other Work	4
108.	Progress	5
109.	Contractor’s Employees	5
110.	Drawings	5
111.	Changes in the Work	6
112.	Right of City to Take Over Contract	7
113.	Extension of Time	8
114.	Liquidated Damages	9
115.	Disputes	9
116.	Service of Notice	10
117.	Qualifications of Contractor	10
118.	Indemnity	10
119.	Insurance	10
120.	Patents, Royalties, Trademarks, Etc.	10
121.	Performance Bonds and Payment Bond	10
122.	Facilities and Notices for Inspection	11
123.	Materials and Workmanship	12
124.	Samples, Certificates and Tests	12
125.	Permits and Codes	13
126.	Care of Work	14
127.	Review by the City of Saginaw	14
128.	Sanitary Facilities	15
129.	Water	15
130.	Stoppage of Work and Crossings	15
131.	Privileges of Contractors in the Street	15
132.	Excavations under Railroads	16
133.	Barricades and Traffic Controls	16
134.	Grade Stakes	17
135.	Street Monuments	17
136.	Sunday and Night Work	17
137.	Test Borings, Test Holes or Test Pits	17
138.	Cleaning Up	17
139.	Correcting Work	17
140.	Accident Prevention	18
141.	Request for Supplementary Information	18
142.	Warranty of Title	18

Division I
General Conditions

143. Fair Employment Practices 19
144. Acceptance 20
145. Guarantee 20
146. Michigan Sales & Use Tax 20
147. Final Inspection 20

101. Definitions

Wherever used in any of the Contract Documents, the following meanings shall be given to the terms herein defined:

a. The term “Contract” is defined as the Contract executed by the City of Saginaw and the Contractor, of which these General Conditions, Specifications and Divisions are incorporated into by reference.

b. The term “Contractor” is defined as the person(s), firm, partnership, company, sole proprietorship, or corporation entering into the Contract with the City of Saginaw to construct and install the improvements, or otherwise undertake the activities, embraced in this Contract.

c. The term “City Engineer” is defined as the City Engineer of the City of Saginaw acting personally or, in the absence of the City Engineer, through their designee.

d. The term “Engineer” is defined as the City engineer acting directly or indirectly through their authorized representatives acting within the limits of the respective authority delegated to them. Any determination, directions, or approval of such authorized representatives shall be subject to review by the City Engineer.

e. The term “Contract Documents” is defined as and shall include the following: Executed Agreement, Addenda (if any), Invitation for Bids, Instructions to Bidders, Signed Copy of Bid, Specifications, Divisions, Special Conditions, Technical Specifications and Drawings

f. The term “Technical Specifications” is defined as that part of the Contract Documents which describes, outlines, and stipulates the quality of the materials to be furnished; the quality of the workmanship required; and the methods to be used in carrying out the construction work to be performed under this Contract.

g. The term “Addendum” or “Addenda” is defined as any changes, revisions or clarifications of the Contract Documents which have been duly issued by the City of Saginaw to prospective Bidders prior to the time of receiving Bids.

102. Application of Conditions

These conditions and the clauses on the following pages, printed as well as written, shall apply to all branches of the work with equal force, whether the work is done under one entire Contract or under several separate Contracts.

Division I
General Conditions

103. Subcontracts

The Contractor shall, as soon as practicable after signing the Contracts, but in any event prior to the performance of any work by any subcontractor, notify the City in writing of the names of subcontractors proposed for the work, designating the portions of work to be performed by each. The Contractor is as fully responsible to the City for the acts and omissions of the Subcontractors and of persons either directly or indirectly employed by them as for the acts and omissions of persons directly employed by the Contractor.

Nothing contained in the Contract Documents shall create any contractual relationship between any subcontractor and the City.

104. Assignment of Contract

a. It is agreed that the Contractor shall not assign or transfer this Contract, or any part of the work embraced in it, except with the written consent of the City to do so.

b. It is further agreed that all parts of the work which may be performed by a subcontractor shall conform to the Plans and Specifications and be subject to all the provisions of this Agreement exactly as if performed by the Contractor and the Contractor's immediate employees. No subcontracting of the work shall in any way diminish or weaken the responsibility of the Contractor for all parts of the work or lessen the obligations and liabilities of the Contractor under this Agreement.

c. It is likewise agreed that the Contractor shall not assign, either legally or equitably, any of the monies payable to the Contractor under this Agreement, or the Contractor's claim thereto, except with the written consent of the City.

105. Responsibilities of Contractor

a. The Contractor shall be held to have examined the premises and line of work and shall take the whole responsibility of the work. Should any unforeseen difficulty or obstruction be encountered in the prosecution of the same, involving a greater expenditure of money than expected at the time of bidding, the Contractor shall proceed, nevertheless, with the work, and no allowance will be made therefore.

b. It shall not be incumbent upon the City to notify the Contractor when to begin, to cease or to resume work, nor in any way to manage the work so as to release the Contractor of responsibility, or of any consequence of neglect or carelessness by the Contractor or anu subordinates.

c. The Contractor shall devote time and management/superintendence to the fulfillment of this Contract and shall keep the same under the Contractor's control.

d. The Contractor shall assume and have sole charge and possession of all work included in this contract, until the termination thereof, unless otherwise specified in this contract, and shall be solely liable for all damages to persons or property occasioned in any way by the

Division I
General Conditions

Contractor's acts or omissions, or that of the Contractor's agents, employees, subcontractors, or any persons in and about the work embraced in this Contract.

e. Prior to the start of construction in the public right-of-way, it shall be the responsibility of the Contractor to notify the TRAFFIC ENGINEERING DIVISION of said work. In the case where complete street closure is necessary, it shall be the responsibility of the Contractor to notify the TRAFFIC ENGINEERING DIVISION, FIRE DEPARTMENT AND POLICE DEPARTMENT at least forty-eight (48) hours prior to the start of said work.

106. City Engineer's Power

All work and material furnished under this contract shall be furnished under the direction of and to the satisfaction and approval of the City Engineer. Should any dispute arise as to quality or fitness of the materials or workmanship, the decision shall rest strictly with the City Engineer and shall be based upon the requirements that all work done and materials furnished shall be performed in a good and workmanlike manner, conform to all Technical Specifications and Drawings and other requirements of the Contract in every respect, and what is useable and customary shall in no way enter into any consideration or decision whatsoever. The City Engineer shall have power to condemn all work and reject all material which, in his or her opinion, is not done or furnished in accordance with this Contract. However, this power and authority shall be confined to the direction or specification of what is to be done under this Contract and shall not extend to the actual execution of the work which shall be under the control of the Contractor, and for which the Contractor alone shall be responsible.

107. Contracts for Other Work

a. In case any additional work shall be required in connection with the work contemplated under this Contract, the City shall have the right to have such additional work done by any person other than the Contractor, and the Contractor shall in no way interfere with the work of such person(s), and shall suspend such part of the work herein specified, or will carry on the same in such manner as ordered by the City Engineer, so as to afford all reasonable facilities for doing such additional work, and the Contractor shall make no claims for damages or for privileges or rights by reason of the suspension and the doing of such additional work, except for such extension of time to perform this Contract as may be certified by the City Engineer.

b. The City reserves the right to lay or relay, construct or repair any water mains, gas mains, sewers, conduits and all other pipes and any connections thereto, or to grant permits to those having franchise rights from the City to install or reinstall, construct or repair such water mains, gas mains, sewers or conduits and other pipes and connections thereto at any time, and to do such other underground work in the street or streets, easements or vacated Right of Way, along the line of work as shall be necessary, or grant permits for same, at any time prior to the completion of the foundation for the paving material within the limits of this improvement, and to that end shall have the right to suspend the work on the said improvement, or any part thereof, and the Contractor shall not interfere with

Division I
General Conditions

or place any obstruction in the way of any person or persons who may be engaged in doing any of the work herein specified, and shall not be entitled to damages because of such work or any delay caused thereby.

108. Progress

In addition to the progress clause incorporated in the Contractor's proposal/response, the Contractor shall be required to submit, on demand of the City Engineer, an outline of the proposed order of work and to indicate the dates of completion of the major items of the work. This outline, when approved by the City Engineer, may be incorporated in, and become a part of the Contract.

109. Contractor's Employees

a. The Contractor shall employ suitable superintendents and forepersons, who, in the absence of the Contractor, shall be present while any work is being done under this Contract, and who shall follow, without delay, all orders and instructions of the City Engineer. Any notice given to a superintendent or foreperson relative to deviation from any of the requirements of this Contract shall be equivalent to a notice to the Contractor.

b. The superintendents, forepersons, employees, mechanics, and others employed by the Contractor shall be skilled in the assignment of work given them to do. Any employee of the Contractor who uses profane or abusive language to the Engineer or any Inspector, or otherwise impedes or embarrasses him in the performance of his duties, or who obstructs the progress of the work shall upon the request of the City Engineer be immediately removed from the project/worksite and not again employed at same without the consent of the City Engineer.

c. In doing any work contemplated by this Contract, eight (8) hours shall constitute a legal day's work by any laborer or worker employed by the Contractor.

d. Residents of the City of Saginaw shall be employed upon the work of this Contract as far as possible to do so.

110. Drawings

a. These Specifications and accompanying Drawings are intended to be cooperative, and what is called for by either shall be as binding as if called for by both. Should it appear that the work hereby intended to be done, or any of the materials or matters relative thereto, are not sufficiently detailed or explained on said Drawings or in said Specifications, or should any error, discrepancy or inconsistency appear between any of the Drawings and Specifications, or between any of the several Drawings, or should any doubt or misunderstanding arise as to the meaning of said Drawings or Specifications, the City Engineer shall furnish such additional drawings, detail or explanation, and he shall have power to interpret, correct, adjust and explain all errors, omissions, discrepancies, doubts and misunderstandings between such Drawings and Specifications, or between several Drawings, and the decision of the City Engineer therein shall be final and conclusive.

Division I
General Conditions

Explanations received from officers and employees other than the City Engineer will be considered of no avail in a case of dispute.

b. Preference shall be given to the figured dimensions on the Drawings rather than to scale measurements. Figures, unless witnessed by lines and points, are approximate only, and shall not be taken to regulate the dimensions of the structure of improvement. The figures, when so witnessed, are intended to show the exact dimension for the construction of the structure or improvement, but the Contractor, without extra charge, shall make such slight alterations as may be necessary to make adaptable parts fit to fixed parts, leaving all complete and in proper shape when done. It shall be the duty of the Contractor to verify all dimensions given on the Drawings, and to report any error or inconsistency to the City Engineer before commencing work.

111. Changes in the Work

a. No deviation from the Drawings and Specifications shall be made in the execution of the work without the written order and approval of the City Engineer, nor shall any work in the nature of additional work, or any work not contemplated by the Specifications or Drawings, be performed, except on written order of the City Engineer, and if any extra work be proceeded with or executed by the Contractor without previous order given in writing under the hand of the City Engineer as herein provided, no compensation for the same will be allowed. Extra work shall be defined as work not contemplated in the Contract, not covered in the Drawings and Specifications, and for which no unit prices have been stipulated.

b. Should it be deemed expedient by the City Engineer, at any time previous to commencing work, or while the work is in progress, to increase or diminish the dimensions, quantities of material or work, or alter the situation or levels, or vary from the form or dimensions of any part of said work, or vary in any other way the work herein contracted for, the City Engineer shall have full power to do so and to order and direct any such increase, diminution, alteration, or extra work to be made or performed, and without in any way deviating or affecting this Contract; and the Contractor hereby waives any claim to right to damages that the Contractor may be entitled to by reason of such changes. The Contractor shall, in pursuance of such order and directions received in writing from the City Engineer, execute the work thereby ordered and directed, and the difference in expense occasioned by such increase, diminution or alteration, shall be added to or deducted from the amount payable under this Contract.

c. The Contractor shall perform any extra work (work in connection with the Contract but not provided for herein as defined in subparagraph a. of his section) when and as ordered in writing by the City Engineer, either (a) at the price agreed upon before such work is commenced and named in the written order for such work, or (b) if the City Engineer so elects, for the reasonable cost of such work, as determined by the Contractor and approved by the City Engineer, plus a percentage of such cost, as set forth below. No extra work shall be paid for unless specifically ordered as such in writing by the City Engineer.

Division I
General Conditions

The cost of extra work done under subparagraph b. of this section shall include the reasonable cost to the Contractor of materials used and equipment installed, common and skilled labor, and forepersons, and the fair rental for all machinery and equipment used on the extra work for the period of such use.

At the request of the Engineer, the Contractor shall furnish itemized statements of the cost of the extra work ordered as above and give the Engineer access to all records, accounts, bills and vouchers and correspondence relating thereto.

The fair rental of all machinery and equipment shall be based upon the most recent edition of the Michigan Department of Transportation Equipment Rental Rates (Schedule C), or a similar publication approved by the City Engineer. Rental for machinery and equipment shall be based upon an appropriate fraction of the approved monthly rate schedule. If said extra work requires the use of machinery or equipment not already on the site of the work, the cost of transportation, not exceeding a distance of 100 miles, of such machinery or equipment to and from the Job Site or Work Location shall be added to the fair monthly rental; provided, however, that this shall not apply to machinery or equipment already required to be furnished under the terms of the Contract.

The Contractor shall not include in the cost of extra work any cost or rental of small tools, buildings, or any portion of the time of the Contractor, the superintendent, or the office and engineering staff.

To the cost of extra work done by the Contractor’s own forces under (b) above (determined as stated above), the contractor shall add 15 percent to cover the overhead, use of capital, the premium on the bonds as assessed upon the amount of this extra work, and profit.

If extra work is done under subparagraph b. of this section, the Contractor and/or subcontractor shall keep daily records of such extra work. The daily record shall include the names of people employed; the nature of the work performed, and hours worked, materials and equipment incorporated, and machinery or equipment used, if any, in the execution of such extra work. This daily record, to constitute verification that the work was done, must be signed both by the Contractor’s authorized representative and by the Engineer. A separate set of daily records shall be submitted for each extra work order.

d. The City Engineer may order the Contractor to proceed with desired changes in work provided that the net value of all such changes does not increase or decrease the original total amount shown in the Contract by more than twenty percent (20%) unless mutually agreed upon in writing by the City Engineer and the Contractor and further, that "extra work" shall not increase the original Contract by more than twenty percent (20%) in accordance with the section entitled “Unit Price Bids” under “General Instructions to Bidders.”

112. Right of City to Take Over Contract

If the work to be done under this Contract shall be abandoned, or if the Contractor shall become insolvent or shall assign this Contract or subcontract the work hereunder without the written consent of the City Engineer, or if at any time the City Engineer shall be convinced

that the work is unnecessarily or unreasonably delayed, or that the Contractor is not making such progress in the execution of the work as to indicate its completion within the required time, or that the conditions or agreements of the Contract are being willfully violated or executed carelessly or in bad faith, the City Engineer shall provide the Contractor with a 24-hour notice, in writing, and, after the delivery thereof to the Contractor, the City Engineer shall then have the power and right to place additional laborers and equipment on said work and supply additional material, if necessary, and do such work as deemed advisable for the completion of this Contract, and may use any materials or implements belonging to the Contractor, or the City Engineer shall have the power and right to notify the Contractor to discontinue all work, or any part thereof, under this Contract, and upon such notifications, the Contractor shall discontinue said work, or such parts thereof, as the City Engineer may designate, and the City shall thereupon have the right and power to re-let this Contract, or any part thereof, or to employ, by contract or otherwise, and in such manner and at such prices as it may determine, any person or persons, and obtain any vehicles, applications, machinery, tools, another means of construction, and to procure all proper materials which it may deem necessary to work at and to be used to complete the work herein described; also the power to use such appliances, tools, and materials and means of construction of every description as may be found upon the line of work, both such as entered into the completed work and such as are necessarily used in and about the same in the course of construction, and to procure other proper materials for the completion of the same; and it shall charge the expense of all such labor, materials, vehicles, appliances, machinery, tools and other means of construction, and all expense of inspection and engineering and all other expenses, to said Contractor, and the Contractor shall be liable to the City for the amount of the whole cost of accomplishing the object contemplated by this Contract in excess, if any, of the amount herein agreed upon, together with such other elements of damage as may have been sustained by the City by reason of said Contractor's failure to complete and perform this Contract. In determining the liability of the Contractor hereunder, the City shall not be required to obtain the lowest figures for the work of completing the contract, but all sums actually paid for such completion shall be credited to the City, together with other elements of damage above mentioned, and the certificate of the City Engineer as to the amount of such liability shall be final and conclusive.

113. Extension of Time

a. An extension of time for completion of the work under the Contract may be granted by the City Engineer, subject to the conditions of this paragraph, but only upon the written application of the Contractor. In general, an extension of time will be granted by the City Engineer only if the delay is unavoidable and substantial, not the fault of the Contractor, and could not be reasonably anticipated or adequately guarded against. The Contractor will not be liable for liquidated damages during the period for which time of completion is extended by the City. The Contractor shall be entitled to a reasonable extension of time for unavoidable delay in completion caused solely by the following:

   I. Any act or omission of the City, its officer or employees;

   II. Any act of other public authorities;

Division I
General Conditions

III. Causes not reasonably foreseeable by the parties at the time of the execution of this Contract and which are entirely beyond the control and without the fault or negligence of the Contractor, including, but not limited to, act of God, or the public enemy, war or other national emergency making performance temporarily impossible or illegal, acts or omissions of other contractors (but not the Contractors subcontractors), strikes and labor disputes not brought on by any act or omission of the Contractor, fires, floods, epidemics, quarantine restrictions, freight embargoes, weather of unusual severity such as cyclones or tornadoes, or excessively abnormal weather such as would interfere with the work.

b. The City Engineer will make a determination, based on the ascertained facts and the terms of this Contract, if an extension of time is justified, and, if so, will extend the time for completing the work for a period commensurate with the period of excusable delay. The determination made by the City Engineer shall be binding and conclusive on the Contractor.

114. Liquidated Damages

In the event of delay in the completion of the entire work beyond the period herein prescribed or beyond the period to which such time may be extended by the City, the City of Saginaw shall be paid the sum that is listed on the "Special Provision For Liquidated Damages." for each and every calendar day that the time consumed in said performance and completion extends beyond the final date herein specified, and this sum will be considered liquidated damages that the City will suffer by reason of said delay and default. As indicated in Article 6 of this Contract, this provision for liquidated damages applies separately to each proposal contained in the Contract.

115. Disputes

a. All disputes arising under this Contract or its interpretation, whether involving law or fact or both, or extra work, and all claims for alleged breach of contract shall within ten (10) days of commencement of the dispute, be presented by the Contractor to the City Engineer for decision. All papers pertaining to claims shall be filed in quadruplicate. Such notice need not detail the amount of the claim but shall state the facts surrounding the claim in sufficient detail to identify the claim, together with its character and scope. In the meantime, the Contractor shall proceed with the work as directed. Any claim not presented within the time limit specified within this subparagraph all be deemed to have been waived, except that if the claim is of a continuing character and notice of the claim is not given within ten (10) days of its commencement, the claim will be considered only for a period commencing ten (10) days prior to the receipt by the City Engineer of notice thereof.

b. The Contractor shall submit in detail the claim and the proof thereof. Each decision by the City Engineer will be in writing and will be mailed to the Contractor by both regular mail, email, and/or certified mail, return receipt requested.

c. If the Contractor does not agree with any decision of the City Engineer, the Contractor shall not allow the dispute to delay the work but shall notify the City Engineer promptly

Division I
General Conditions

that the Contractor is proceeding with the work under protest and may then accept the manner in question from final release.

116. Service of Notice

Service of notice by the City upon the Contractor may be made by service upon the Contractor, the superintendent, foreman, agent or representative personally or by certified mail, return receipt requested, sent by the City Engineer to the Contractor, and the receipt of such notice by said Contractor, superintendent, foreman, agent or representative, shall constitute full and legal notice within the meaning of this Contract.

117. Qualifications of Contractor

The Contractor must be capable of performing the various items of work bid upon. The Contractor shall furnish on demand of the City Engineer a list of the Contractor's qualifications covering experience on similar work, a list of machinery, plants, and other equipment available for the proposed work, and such statements of any financial resources as may be deemed necessary.

118. Indemnity

The Contractor shall, at the Contractor's own expense, protect, defend, indemnify and hold harmless the City, and its officers, employees, agents, or representatives, from and against all claims, damages, liabilities, losses and expenses, including reasonable attorney's fees, resulting from the acts, omissions, or negligence of the Contractor, or any of the Contractor's officers, employees, agents, representatives, or subcontractors, in any way connected or otherwise related to their performance or nonperformance of this Contract.

119. Insurance

During the life of the Contract, the Contractor shall obtain and maintain the required insurance and bonds as shown on the "Notice to Bidders: Consultants – Bonds – Insurance". The Contractor shall neither be awarded this contract nor commence work under this contract until he has obtained all required documents and evidence of such has been reviewed and approved by the City of Saginaw. The insurance and bond requirements set forth herein are mandatory and not subject to negotiation.

120. Patents, Royalties, Trademarks, Etc.

All fees for claims and royalties for any patented inventions, materials, articles, methods, arrangements, or processes of manufacture that may be used on or in any way connected with the construction, erection or maintenance of this work, or any part thereof, embraced in this Contract, shall be included in the price stipulated and mentioned in the proposal to contract for said work. The City of Saginaw shall be the owner of any such work produced and paid for in connection with this Contract.

121. Performance Bonds and Payment Bonds

a. Prior to the award and within ten (10) days after the prescribed forms are presented for

signature, the successful bidder shall execute and deliver to the City of Saginaw an Agreement in the form included in the Contract Documents in such number of copies as the City of Saginaw may require.

b. Unless otherwise specified in the notice to bidders, the contractor shall furnish a performance and a payment bond. The bonds shall be required as provided by Act 213, Public Acts 1963, as amended. Performance bonds and payment bonds shall be in an amount not less than 100 percent (100%) of the total amount of the Contract, shall be executed by a corporate surety prior to award of Contract, and shall be subject to approval by the City Manager as to substance and by the City Attorney as to form. Irrespective of the provisions of Article 2 of this Contract, the Contractor shall not commence work hereunder until policies of the insurance required by Section 119 of General Conditions and the bonds required by this section shall have been furnished and approved by the City. Upon failure of the Contractor to furnish said insurance policies or bonds within ten (10) days prior to the award of the Contract by the Council, all of the Contractor's rights to the award of the Contract shall terminate unless the time for furnishing any of said instruments shall have been extended by the City Engineer; such extension shall be for good cause shown by the Contractor. Such termination shall not relieve the Contractor of his liability under his bid bond, and failure to provide the necessary surety bonds and insurance policies shall be treated as the failure of the Contractor to enter into the Contract pursuant to the Contractor's bid.

   Bid Bonds, Performance Bonds and Payment Bonds will be written with companies named in the Federal Register as published by the Department of the Treasury or acceptable to the City. Surety shall have a rating of no lower than an A- as rated by A.M. Best Key Rating Guide or acceptable to the City.

c. The failure of the successful bidder to execute this Contract and to supply the required bond or bonds within ten (10) days after the prescribed forms are presented for signature, or within such extended period as the City Engineer may grant, based upon reasons determined sufficient by the City Engineer as good cause shown by Contractor, shall constitute a default, and the City of Saginaw may either award the contract to the next best responsible bidder or re-advertise for bids, and may charge against the bidder the difference between the amount for which a contract for the work is subsequently executed, irrespective of whether the amount thus due exceeds the amount of the bid bond. If a more favorable bid is received by re-advertising the defaulting bidder shall have no claim against the City of Saginaw for a refund.

122. Facilities and Notices for Inspection

The City Engineer and duly authorized inspectors shall at all times have the right to enter the premises upon which said work is being done, or upon which material is manufactured, prepared or stored, for work under this Contract, and to inspect said work and materials, and to ascertain whether or not the construction is carried out in accordance with this Contract; and the Contractor shall render all necessary assistance and provide all reasonable facilities and give ample time for such inspection. When any work or material is being executed or prepared away from the line of work, the City Engineer shall be notified in reasonable time

Division I
General Conditions

where such work is being executed and such material prepared and when it will be ready for inspection so that inspection may be made from time to time before delivery. Failure or neglect on the part of the City Engineer or any inspector to condemn any material at the time of its being supplied or furnished shall not be construed to imply an acceptance thereof.

The Contractor shall notify the Engineer sufficiently in advance of backfilling or concealing any facilities to permit proper inspection. If any facilities are concealed without approval or consent of the Engineer, the Contractor shall uncover for inspection and recover such facilities, at the Contractor's own expense, when so requested by the Engineer.

123. Materials and Workmanship

a. Unless otherwise specifically provided for in the Technical Specifications, all workmanship, equipment, materials, and articles incorporated in the work shall be new and the best grade of the respective kinds for the purpose. Where equipment, materials, articles, or workmanship are referred to in the Technical Specifications as “equal to” any particular standard, the City Engineer shall decide the question of equality.

b. The Contractor shall furnish to the City Engineer for approval the manufacturer's detailed specifications for all machinery, mechanical and other special equipment which the Contractor contemplates installing, together with full information as to type, performance characteristics, and all other pertinent information as required, and shall likewise submit for approval as required full information concerning all other materials or articles which the Contractor proposes to incorporate in the work (see paragraph 124: “Samples Certificates and Tests”, of Division 1, General Conditions).

c. Machinery, mechanical and other equipment, materials, or articles installed or used without such prior approval shall bear the risk of subsequent rejection.

d. Materials specified by reference to the number or symbol of a specific standard, such as an ASTM Standard, a Federal Specification or other similar standard, shall comply with requirements in the latest revision thereof and any amendment or supplement thereto in effect on the date of the Notice Inviting Sealed Proposals, except as limited to type, class, or grade, or modified in such reference. The standards referred to, except as modified in the Technical Specifications, shall have full force and effect as though printed therein.

e. When any material has been furnished by the City, the Contractor, or the Contractor’s authorized agent, shall sign a receipt therefore, stating that the material has been received in good condition; and, after receiving such material, the Contractor shall be responsible for the material and shall protect it from the weather and from all other causes which might damage the same, in order to keep the material in as good condition as when it was received. All material broken, damaged or stolen when in the care of the Contractor shall be charged against the Contractor and the value thereof deducted from any monies that may become due the Contractor. All materials furnished by the City shall be loaded and hauled from locations as directed by the City Engineer or Employee.

124. Samples, Certificates and Tests

Division I
General Conditions

a. The Contractor shall submit all material and equipment samples, certificates, affidavits, etc., as called for in the Contract Documents or required by the Engineer. No such material or equipment shall be manufactured or delivered to the site except at the Contractor's own risk, until the Engineer has approved the required samples or certificates. Any delay in the work caused by late or improper submission of samples or certificates for approval shall not be considered just cause for an extension of the Contract time.

   Each sample submitted by the Contractor shall carry a label giving the name of the Contractor, the project for which it is intended, and the name of the producer. The accompanying certificates or letters from the Contractor shall state that the sample complies with Contract requirements, shall give the name and brand of the product, its place of origin, the name and address of the producer, and all specifications or other detailed information which will assist the Engineer in passing upon the acceptability of the sample promptly. Such certificate or letter shall also include the statement that all materials or equipment furnished for use in the project will comply with the samples and/or certified statements.

b. Approval of any materials shall be general only and shall not constitute a waiver of the City of Saginaw's right to demand full compliance with Contract requirements. After actual deliveries, the Engineer will have such check tests made, as deemed necessary in each instance, and may reject materials and equipment and accessories for cause, even though such materials and articles have been given general approval. If materials, equipment, or accessories, which fail to meet check tests, have been incorporated in the work, the Engineer will have the right to cause their removal and replacement by proper materials or to demand and secure such reparation by the Contractor as is equitable.

c. Except as otherwise specifically stated in the Contract, the costs of sampling and testing will be divided as follows:

   I. The Contractor shall furnish, without extra cost, all samples required for testing purposes; furnishing shall include packing and delivery charges, except for those samples taken on the project by the Engineer;

   II. The Contractor shall assume all costs of retesting materials which fail to meet Contract requirements;

   III. The Contractor shall assume all costs of testing materials offered in substitution for those found deficient; and

   IV. The City of Saginaw will pay all other expenses.

125. Permits and Codes

The Contractor shall keep fully informed of and shall at all times observe and comply with all existing or future Federal, State, or local laws or regulations, all requirements and provisions of the Charter of the City of Saginaw, and all municipal ordinances, prohibitions, rules, and regulations in any manner affecting the conduct of the work, and shall protect and indemnify

the City against any and all claims arising from or based on any violations of such laws, Charter, ordinances, prohibitions, rules, regulations, orders, or decrees and against all violations of same by the Contractor or the Contractor's officers, employees, agents, representatives, or subcontractors.

126. Care of Work

a. The Contractor shall be responsible for all damages to persons or property that occur as a result of the Contractor's fault or negligence, or the fault or negligence of the Contractor's officers, employees, agents, representatives or subcontractors, in connection with the execution of the work and shall be responsible for the proper care and protection of all work performed until completion and final acceptance, whether or not the same has been covered in whole or in part by payments made by the City of Saginaw.

b. In an emergency affecting the safety of life or property on or adjoining the site, the Contractor shall act, either at the Contractor's own discretion or as instructed by the City of Saginaw, to prevent such threatened loss or injury. Any compensation claimed by the Contractor on account of such emergency work will be determined by the City of Saginaw as provided in the section entitled "Changes in the Work", in Section 111, Division I, General Conditions. In no instance shall the Contractor be paid for such emergency work where the emergency work was necessitated by the acts or omissions of the Contractor, or its officers, employees, agents, representatives, or subcontractors.

c. The Contractor shall avoid damaging sidewalks, streets, curbs, pavements, utilities, structures, or any other property (except that which is to be replaced or removed) either on or adjacent to the site. The Contractor shall repair at the Contractor's own expense and in manner satisfactory to the City of Saginaw, any damage thereto caused by the Contractor's operations, or the operations of the Contractor's officers, employees, agents, representatives, or subcontractors.

d. All water and gas mains, all sewer and other pipes, and all conduits and other underground work of any nature, crossing or projecting into any trench or excavation and all appurtenances thereto, such as Cast Iron Valve Boxes, curb boxes, manhole casting, etc. shall be sufficiently and adequately shored and supported by timber and planking, as required per contract specifications, and protected by the Contractor from injury, and any damage or injury thereto shall be repaired by the Contractor at the Contractor's own expense to the satisfaction of the City Engineer.

e. The Contractor shall at all times keep excavated areas, trenches, and holes free of water during the progress of the work. All costs for the installation and operating of pumps and other necessary equipment to keep excavated areas, trenches, and holes free of water shall be borne by the Contractor.

127. Review by the City of Saginaw

The City of Saginaw, its authorized representatives and agents, shall, at all times, have access to and be permitted to observe and review all work, materials, equipment, payrolls, personnel records, employment conditions, and other relevant data and records pertaining to this

contract, provided, however, that all instructions and approvals with respect to the work will be given to the Contractor only by the City of Saginaw through its authorized representatives or agents.

128. Sanitary Facilities

The Contractor shall furnish, install, and maintain ample sanitary facilities for employees and sub-contractors. As the need arises, a sufficient number of enclosed temporary toilets shall be conveniently placed as required by federal, state or local law or regulation.

Drinking water shall be provided from an approved source, so piped or transported as to keep it safe and fresh and served from single service containers or satisfactory types of sanitary drinking stands or fountains. All such facilities and services shall be furnished in strict accordance with existing federal, state, or local law or regulation.

129. Water

Water for use on improvements may be procured from the nearest hydrant. Permission to open and use hydrants and water shall, however, first be obtained from the City of Saginaw or other proper jurisdiction, subject to rules and regulations of said jurisdiction; the Contractor shall furnish all necessary piping, hose and accessories and pay all water taxes, fees, and charges incidental to the opening and closing of hydrants and the use of water. Before the allowance of the final estimates, the Contractor shall present to the City Engineer a receipt from the authorizing jurisdiction's treasurer, showing that all water taxes and charges for the use of water under this Contract have been paid.

130. Stoppage of Work and Crossings

Upon any stoppage of work, all materials are to be piled up neatly so as not to impede travel upon the sidewalks or roadway, or the use of fire hydrants, and all rubbish and surplus material shall be removed immediately thereafter from the street or avenue by the Contractor. During rainy weather, the Contractor shall lay a temporary plank crosswalk across the street from sidewalk to sidewalk, such as will provide safe and dry footing for pedestrians. When so ordered by the City Engineer, the Contractor shall lay a temporary roadway or bridge sixteen (16) feet in width across the entire intersection or excavation or trench such as will provide a safe and satisfactory roadway for vehicular travel. All the aforesaid work shall be done without cost to the City other than the price paid for excavation.

131. Privileges of Contractor in the Street

a. The Contractor may occupy the whole width of the roadway between the sidewalks or the street lines. The Contractor shall not close more than three (3) blocks at one time without permission from the City Engineer. Each block of pavement or improvement shall be finished and opened to public travel as soon as practicable after the commencement of work thereon, but the use of any portion of the pavement or improvement by the public shall not be construed as an acceptance of the work, nor shall the Contractor be entitled to any damages thereby. No more than two consecutive street intersections shall be closed to public traffic at the same time, and each alternate intersection shall be opened for traffic,

unless otherwise ordered by the City Engineer.

b. All sidewalk approaches and the crossings at street intersections shall be kept open and always made safe and passable at all times by the Contractor for both pedestrian and vehicular travel, except at such times as the Engineer may direct otherwise.

c. The Contractor shall provide and maintain a safe and satisfactory roadway across all railway tracks at such places as required. Unless authority is otherwise given, the Contractor shall complete one side of the street before closing the other side, keeping the street open for travel and the fire department as much as possible.

132. Excavations Under Railroads

In excavating under or adjacent to any railroad tracks, the running of trains or cars must not be interrupted or interfered with, and the Contractor shall conduct this work so as not to cause injury to such tracks. The Contractor shall notify the railroad company owning said tracks to support and protect same and shall arrange with such company for any construction and for any expense incurred thereby, without cost to the City.

133. Barricades and Traffic Controls

All barricades and traffic controls for the work shall be in conformance with the 2011 Michigan Manual of Uniform Traffic Control Devices (hereafter referred to as the Manual). The Contractor shall barricade or fence the work as outlined in the Manual or as directed by the Engineer.

In addition to the requirements of the Manual, the Contractor shall maintain at all times a good and sufficient fence, railing or barrier around all exposed portions of said work in such a manner as to warn vehicular and pedestrian traffic of hazardous conditions. This shall apply to all construction projects either within street right-of-way or off-street right-of-way.

It shall also be the duty of the Contractor to place upon such barriers, fences, or railings, at evening twilight on each day, the required colored lights, and to keep them lighted during the night.

The Contractor shall put up and maintain barricades and traffic controls as required by the Manual for any stored materials the Contractor may have placed in the street.

Should the Contractor fail to properly barricade the work or stored material sites in the manner outlined above, the City may have the necessary barricading done, and all costs incurred for said barricading shall be charged to the Contractor.

All costs incurred for barricading or fencing shall be incidental to the work items in the Contract unless otherwise stated. In addition, all costs incurred by the City for placing barricading or fencing on the work site when the Contractor has failed to do so, or when the Contractor has failed to properly maintain those barricades or fencing the Contractor has placed, shall be charged to the Contractor, who shall promptly pay all charges. Should the Contractor fail to pay for the barricading placed by the City, the City may deduct the amount

Division I
General Conditions

owing from the final payment.

134. Grade Stakes

Grade or line stakes will be given by the City and must be protected and preserved and strictly followed, but the Contractor shall note any irregularities in such stakes and have the same checked before proceeding. The Tops of all stakes must be uncovered and kept exposed by the Contractor at any and all times so as to be accessible to the Engineer on demand.

135. Street Monuments

The Contractor shall not disturb any street monuments unless authorized to do so by the City Engineer.

136. Sunday and Night Work

No Sunday or night work shall be done except in case of emergency, and then only with the written consent of the Engineer. If, for any reason, it is necessary to do any work after twilight and permission is granted, the Contractor shall furnish suitable lighting without cost to the City other than the price paid for the work being done.

137. Test Borings, Test Holes, or Test Pits

All data on plans relative to test borings, test holes or test pits made by the City for the purpose of determining soil conditions in, alongside of, or in close proximity to the line of work, shall in no way be construed by the Contractor as a guarantee of soil conditions as will be encountered in the line of the work, but will be understood to be nothing more than data which the Contractor may or may not use in forecasting soil conditions.

138. Cleaning Up

Upon completion of the actual work of construction, the Contractor shall clean up and leave in a neat condition all the premises, which the Contractor has occupied during the construction period. Before the time for the final estimate, the Contractor shall remove from the premises all surplus excavation, debris, rubbish, and all unused materials, together with all tools and equipment. Should the Contractor fail to properly clean the premises within fourteen (14) days of completion of the work, the City of Saginaw, in its sole discretion, may exercise the right to clean same, and shall charge the costs of any such clean up against the final payment to the Contractor.

139. Correcting Work

Any unfaithful work or imperfect work or material that may be discovered before the final acceptance of the work shall be corrected and replaced immediately on the order of the City Engineer. In case any material is rejected, it shall be immediately removed from the line of work and not again brought thereon. In case the order for removal and replacing as specified above is not promptly complied with after written notice, the City Engineer shall be at liberty to remove and replace the same with proper materials, at the expense of the Contractor, and

the cost thereof shall be deducted from the amount due the Contractor. Any failure of the City to disapprove the work or material at the time of the inspection, or at the time of any semi-monthly or other estimate, shall not relieve the Contractor of any obligations. All work or material of whatever kind, which, during the progress of construction and before its final acceptance, may become damaged from any cause and shall be removed and replaced by the Contractor with good and satisfactory work or material; the Contractor shall bear the cost of such replacement where the replacement was necessitated by the act or omission of the Contractor or the Contractor's officers, employees, agents, representatives or subcontractors. Should it become necessary to retain any faulty or imperfect work or material which, if corrected or replaced would cause undue risk, injury or delay, a sum to be adjusted by the City Engineer, not exceeding the whole value of such work or material if the same were correct, shall be deducted from the Contract price.

140. Accident Prevention

a. The Contractor shall always exercise proper precaution at all times for the protection of persons and property and shall be responsible for all damages to persons and property, either on or off the site, which occur as a result of the Contractor's fault or negligence, or the fault or negligence of the Contractor's officers, employees, agents, representatives or subcontractors, in connection with the execution of the work. The safety provisions of applicable laws and building and construction codes shall be observed, and the Contractor shall take or cause to be taken such additional safety and health measures as the City of Saginaw may determine to be reasonably necessary. Machinery, equipment, and all hazards shall be guarded in accordance with the safety provisions of the "Manual of Accident Prevention in Construction" published by the Associated General Contractors of America, Inc., to the extent that such provisions are not in conflict with applicable local laws.

b. The Contractor shall maintain an accurate record of all cases of death, occupational disease, and injury requiring medical attention or causing loss of time from work, arising out of and in the course of employment or work under the Contract. The Contractor shall promptly furnish the City of Saginaw with reports concerning these matters.

c. The Contractor shall indemnify and save harmless the City of Saginaw from any claims from damages resulting from personal injury and/or death suffered or alleged to have been suffered by any person as a result of any work conducted under this Contract.

141. Requests for Supplementary Information

It shall be the responsibility of the Contractor o make timely requests of the City Engineer for any additional information not already in the Contractor's possession which should be furnished by the City of Saginaw under the terms of this Contract, and which will be required in the planning and execution of the work. Such requests may be submitted in writing from time to time as the need arises, but each shall be filed in ample time to permit appropriate action to be taken by all parties involved so as to avoid delay. The Contractor shall be fully responsible for any delay in the work or to others arising from the Contractor's failure to comply fully with the provisions of this section.

Division I
General Conditions

142. Warranty of Title

No material, supplies, or equipment for the work shall be purchased subject to any chattel mortgage or under a conditional sale or other agreement by which an interest therein or in any part thereof is retained by the seller or supplier. The Contractor shall warrant good title to all materials, supplies, and equipment installed or incorporated in the work and upon completion of all work, shall deliver the same together with all improvements and appurtenances constructed or placed thereon to the City of Saginaw free from any claims, liens, or charges. Neither the Contractor, nor any person, firm or corporation furnishing any material or labor for any work covered by this Contract, shall have any right to a lien upon any improvement of appurtenance thereon. Nothing contained in this paragraph, however, shall defeat or impair the right of persons furnishing materials or labor to recover under any bond given by the Contractor for their protection or any rights under any law permitting such persons to look to funds due the Contractor in the hands of the City of Saginaw. The provisions of this paragraph shall be inserted in all subcontracts and material contracts and notice of its provisions shall be given to all persons furnishing materials for the work when no formal contract is entered into for such materials.

143. Fair Employment Practices

a. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, national origin, age, sex, height, weight, sexual orientation, gender identity, marital status, or membership in another class of persons protected by federal, state, or local law. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, national origin, age, sex, height, weight, sexual orientation, gender identity, marital status, or membership in another class of persons protected by federal, state, or local law. Such action shall include but not be limited to the following: employment, upgrading, demotion, termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices describing the federal, state, or local law prohibiting job discrimination.

b. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age, national origin or inclusion in other class of persons protected by federal, state, or local law.

c. The Contractor will send to each labor union or representative of workers with which the Contractor has a collective bargaining agreement or other contract or understanding, a notice, to be provided, advising the labor union or worker's representative of the Contractor's commitments under this section.

d. The Contractor will furnish all information and reports required by the City of Saginaw, and will permit the City access to any books, records, and accounts for purposes of investigation to ascertain compliance with this section.

Division I
General Conditions

e. The Contractor shall comply with the provisions of the federal Civil Rights Act of 1964, as amended, Michigan's Elliott-Larsen Civil Rights Act, P.A. 453 of 1976, as amended, and any such other nondiscrimination law as may apply to Contractor and its activities hereunder.

f. In the event of the Contractor's noncompliance with the nondiscrimination clauses of this Contract, this Contract may be immediately cancelled, terminated, or suspended by the City, in whole or in part, and the Contractor may be declared ineligible for further contracts.

g. The Contractor will include the provisions of paragraphs (a) through (f) in every subcontract, so that such provisions will be binding upon each such subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the City of Saginaw may direct as a means of enforcing such provisions, including sanctions for noncompliance.

144. Acceptance

No estimate given or payment made under the Contract, or the occupancy of the work herein required, either partial or entire by the City, shall be evidence of the performance of the Contract either in whole or in part, nor an acceptance of imperfect or faulty work or material.

145. Guarantee

The Contractor shall be responsible for and must make good any defects arising or discovered in the work or material required hereunder within one (1) year from the completion and final acceptance of such work and material, except for concrete sidewalks, new or repaired, and paving between the curb and sidewalk (driveway approaches), which shall be guaranteed for a period of five (5) years from the completion and final acceptance of such work and material. No payment, final or otherwise, shall be construed to relieve the Contractor from the obligation to make good any defect arising or discovered within such period, nor as a waiver of any specific obligation which the Contractor may assume as to the durability of the work. Nothing in this section, or elsewhere in this Contract, shall be construed as a waiver or diminishment of any statute of limitations or other time period in which the City is allowed to raise a claim against the Contractor relating to the work to be performed herein.

146. Michigan Sales & Use Tax

The Contractor shall include and be deemed to have included in the bid and contract price all Michigan Sales and Use Taxes currently imposed by legislative enactment and as administered by the Michigan Department of Treasury on the bid date.

If the Contractor is not required to pay or bear the burden, or obtain a refund or drawback, in whole or in part, of any Michigan Sales or Use Tax, interest or penalty thereon, which was required to be and was deemed to have been included in the bid and contract price, the contract price shall be reduced by the amount thereof, and the amount of such reduction whether as a refund or otherwise shall ensure solely to the benefit of the City of Saginaw.

147. Final Inspection

Division I
General Conditions

When the improvements embraced in this Contract are substantially completed, the Contractor shall notify the City Engineer in writing that the work will be ready for final inspection on a definite date, which shall be stated in the notice. The notice will be given at least ten (10) days prior to the date stated for final inspection and bear the signed concurrence of the representative of the City Engineer having charge of inspection. If the City Engineer determines that the status of the improvements is as represented, he or she will make the arrangements necessary to have final inspection commenced on the date stated in the notice, or as soon thereafter as is practicable.

NOTICE TO BIDDERS

Consultants - Insurance - Bonds

In case of a conflict between the City's documents and the documents provided by the consultant the City's shall prevail,

The City of Saginaw shall not be a party to any arbitration proceeding.

Provide Engineering with a copy of this endorsement with all other insurances and bonds.

REQUIRED/APPLICABLE INSURANCE – NO EXCEPTIONS

COMMERCIAL GENERAL LIABILITY (C.G.L.)

OWNER'S AND CONTRACTOR'S PROTECTIVE LIABILITY (O.C.P.)

UMBRELLA LIABILITY

AUTOMOBILE - WORKMAN'S COMPENSATION

REQUIRED BONDS – Over $50,000 - NO EXCEPTIONS

PAYMENT BOND – S-215-AIA-A312 (11/10), S-215-AIA-A312 (11/10) or current version is required, no substitutions allowed.

PERFORMANCE BOND - A-2100-AIA-A312 (11/10) or current version is required, no substitutions allowed.

MAINTENANCE BOND – IF REQUIRED (See Individual contract)

The City of Saginaw does not provide the required bond forms.

Additional information:

Upon failure of the Contractor to furnish said insurance policies or bonds within ten (10) days prior to the award of the Contract by the Council, all the Contractor's rights to the award of the Contract shall terminate unless the time for furnishing any of said instruments shall have been extended by the City Engineer; such extension shall only be for good cause shown by Contractor.

The Contractor must have all copies the Contract signed, insurances, bonds and all required documents returned and approved by City of Saginaw (Engineering, Attorney, and Insurance/Bond Reviews) prior to the contract going to Council for approval and award.

The Contractor will not be allowed to start work until all City of Saginaw signatures are obtained. Contract Books are **not always** signed at the City Council Meeting when the contract is approved.

INSURANCES REQUIRED

INDEMNITY

The Contractor shall, at the Contractor's own expense, protect, defend, indemnify and hold harmless the City, and its officers, employees, agents, or representatives, from and against all claims, damages, liabilities, losses and expenses, including reasonable attorney's fees, resulting from the acts, omissions, or negligence of the Contractor, or any of the Contractor's officers, employees, agents, representatives, or subcontractors, in any way connected or otherwise related to their performance or nonperformance of this Contract.

INSURANCE

a. During the life of the contract, the Contractor shall effect and maintain the following types of insurance:

Commercial General Liability (cgl)
Automobile
Workman's Compensation
Umbrella Liability
Owner's and Contractor's Protective Liability (ocp)
*Builder's Risk (when applicable)
*Pollution Coverage (when applicable)
*The City will specify when such coverage is applicable.

All insurers shall have at least an A- (excellent) rating by A.M. Best or acceptable to the City and be written on an occurrence basis.

Contractor agrees to name and require its subcontractors to name the City of Saginaw, its officers, employees, agents, or representatives, as additional insureds on Contractor's and its subcontractors' general liability and umbrella/excess insurance policies, with primary, non-contributory coverages, and including coverage for products-completed operations hazards and for ongoing work. The policy shall include a per project aggregate. The Additional Insured endorsement shall be as broad as ISO's (CG 20 10 11/85) or a combination of ISO's Scheduled Ongoing Operations (CG 20 10 10/01) and Scheduled Completed Operations (CG 20 37 10/01). All of Contractor's insurance policies shall contain terms waiving subrogation rights against the City of Saginaw its officers and employees. Proof of the waiver of subrogation for each insurance policy shall be by endorsement. The Contractor shall include this waiver of subrogation in contracts with its Subordinate Parties.

For General Liability and Umbrella Coverage

Contractor shall maintain, for a period of six years after completion of all Work on the project General Liability and Umbrella coverage.

The Contractor shall not commence work under this contract until he has obtained all required insurance and evidence of such insurance has been reviewed and approved by the City Engineer.

b. All certificates of insurance issued for this contract shall contain the following information in addition to stating the type of insurance and the amount of coverage.

I. The Contract number and description of work covered by the insurance.

II. The insurance must be in a form acceptable to the City and the deductible shall not exceed $5,000.00, unless otherwise approved by the City.

III. Thirty (30) days' notice in writing of any cancellation, termination or change of condition of the policy.

c. Certificates of Insurance must be presented prior to commencing any work under this contract, as well as upon request by the City during or after the Project; however, Contractor's failure to submit the required Certificate of Insurance, or failure to have the Certificates of Insurance identify the required coverage, does not excuse Contractor from procuring the required insurance. The Contractor shall be responsible for and pay any deductibles or self-insured retention amounts. The Contractor's insurance policies shall provide for 30 days written notice to the City for cancelation or any change in coverage. Not less than two weeks prior to the expiration, cancellation, or termination of any such policy, Contractor shall supply the City with new and replacement certificate(s) of insurance as proof of renewal of said original policy showing compliance with minimum insurance requirements below.

d. Commercial General Liability and Owner's and Contractor's Protective Liability. The Contractor shall procure and shall maintain during the life of this contract Commercial General Liability, and Owner's and Contractor's Protective Liability insurance with limits of liability not less than the amounts listed on the following page.

e. Automobile Insurance: The Contractor shall procure and maintain during the life of this contract Automobile Insurance with limits of liability not less than the amounts listed on the following page.

f. Workman's Compensation: The Contractor shall procure and maintain during the life of this contract Worker's Compensation Insurance, including Employers Liability Coverage, in accordance with all applicable statutes of the State of Michigan.

g. Umbrella and/or Excess Liability: The Contractor shall procure and maintain during the life of this contract Umbrella and/or Excess Liability with limits of liability not less than the amounts listed on the following page.

h. Builder's Risk: (when applicable). The Contractor shall procure and maintain during the life of this contract Builder's Risk Insurance equal to one hundred percent of the completed value of the structures.

i. Pollution Coverage: The Contractor or the Subcontractor who actually performs the work shall carry pollution insurance in the amount of $1,000,000.00 (or such other limit as may be determined in the sole discretion of the City Engineer) where the project involves Asbestos, Environmental or Lead abatement or such other work where the City specifies that pollution insurance is necessary.

INSURANCE LIMITS

General Liability Limits	
$1,000,000	Each Occurrence
$1,000,000	Personal and Advertising Injury
$2,000,000	General Aggregate
$2,000,000	Products and Completed Operations Aggregate
Automobile	
$1,000,000	Each Accident
Umbrella and/or Excess Liability	
$5,000,000	Occurrence/Aggregate
Owner's and Contractor's Protective Liability	
$1,000,000	Occurrence
$2,000,000	Aggregate

The following language applies as it pertains to limits:

Should the Contractor have an insurance policy with limits of liability or coverage greater than or in addition to those required by the contract, then those higher limits of liability and coverage in the Contractor's policy shall apply.

The Contractor is responsible for USHL coverage for workers compensation if required by law.

The umbrella/excess policy can be used to meet underlying requirements and must follow form.

NOTICE TO BIDDERS

IRAN ECONOMIC SANCTIONS ACT:

The act provides that Iran linked businesses are ineligible from submitting a bid on the City's requests for proposals. The Act further provides that the City shall require all bidders to certify that they are not Iran linked businesses.

Definition: Iran linked businesses are those linked to the Iranian energy sector. An Iran linked business is specifically defined as:

i. A person engaging in investment activities in the energy sector of Iran, including a person that provides oil or liquefied natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquefied natural gas for the energy sector of Iran.

ii. A financial institution that extends credit to another person, if that person will use the credit to engage in investment activities in the energy sector of Iran.

The provisions of the Act are only in effect if a country is a state sponsor of terror. A state sponsor of terror is defined as any country determined by the United States secretary of state to have repeatedly provided support for acts of international terrorism. Iran is currently on the US SOS state sponsor of terrorism list (http://www.state.gov/j/ct/list/c14151.htm), along with Cuba, Sudan, and Syria.

NOTICE TO BIDDERS

§ 14.36 PREFERENCE FOR LOCAL BIDDERS.

(A) (1) If the lowest bidder is not a Saginaw-based bidder, as defined above, any Saginaw-based bidder with a bid within 5% of the lowest bid shall be deemed the lowest bidder if it agrees to reduce its bid to match the bid of the lowest bidder. Such a bidder will remain bound to all terms of their original bid.

(2) A lowered bid by a Saginaw-based business which is premised upon, in whole or in part, changes to or variances to the bid specifications, contract requirements, or scope of work, shall be considered non-responsive and will not be considered.

(B) If such a Saginaw-based business refuses to reduce its bid to match the lowest bid, then the next lowest responsive and responsible Saginaw-based business with a bid within 5% of the lowest bid shall be deemed the lowest bidder, if it agrees to reduce its bid to match the bid of the lowest bidder. Such a bidder will remain bound to all other terms of their original bid.

(C) If no responsive and responsible Saginaw-based businesses within 5% of the lowest bid agree to reduce their bids, then the contract shall be awarded to the person or business with the lowest, most responsive and responsible bid.

(D) In the event of a tie between two or more Saginaw-based businesses, where all other factors are equal, the award of the bid shall be by coin toss conducted by the Purchasing Officer or his or her designee.

(E) No contract awarded pursuant to this ordinance shall be sublet in any manner that permits 50% or more of the dollar value of the contract to be performed by a subcontractor or subcontractors who do not meet the definition of “Saginaw-based.”

(F) The section shall not waive or constrain, in any manner, the right and prerogative of the City to reject any and all bids or proposals from any Saginaw-based business which fails to meet the requirements of any other section of this ordinance, or to reject a bid which is in any way incomplete, irregular, not responsive or not responsible.

(G) Local preferences shall not be applied in cases of procurements funded, even in part, with federal dollars, unless such procurement is for architectural and engineering services. When contracting for architectural and engineering services, local preference may be a selection criterion provided its application leaves an appropriate number of qualified vendors, given the nature and size of the project, to complete the contract.

See Title 1: Administrative Code - Chapter 14: Finance and Purchasing

NOTICE INVITING SEALED BIDS

Bid/Contract Number – C-1726
HANCOCK & AMES RECONSTRUCTION – MICHIGAN AVE TO NIAGARA

FOR THE DEPARTMENT OF PUBLIC SERVICES, ENGINEERING DIVISION, CITY OF SAGINAW, MICHIGAN. Sealed bids will be received by the City of Saginaw Purchasing Office, 1315 S. Washington Avenue, Saginaw, Michigan 48601, **until 3:00 p.m., Tuesday, May 12, 2026**, and then publicly opened for the DEPARTMENT OF PUBLIC SERVICES, ENGINEERING DIVISION – C-1726 HANCOCK & AMES RECONSTRUCTION – MICHIGAN to NIAGARA.

Reconstruction of Hancock Street and Ames Street with pavement removal, concrete work, earthwork, subbase, aggregate base, curb and gutter, sidewalks, ADA sidewalk ramps, storm sewer, structure adjustments, water main, and restoration. Furnish labor, tools, equipment, and materials as required to perform the work as specified in the contract documents.
Direct any questions to Travis Hare, City Engineer, via email at engineer@saginaw-mi.com, before 3:00p.m. on May 01, 2026.

To access downloadable contract documents, go to the City of Saginaw's website at https://www.saginaw-mi.com/Bids.aspx. There is **no charge** for these downloadable documents. For a hard copy of the contract documents, call the City Engineer's office at 989-759-1410. The office is in the lower level of the Public Works Service Center building, 1435 S. Washington Avenue, Saginaw, Michigan 48601. There is a **$125.00 non-refundable** charge for a hard copy of the contract book and drawings with an additional charge of **$25.00** to cover the mailing. Checks must be made payable to "Treasurer, City of Saginaw" and mailed to the City Engineer, 1315 South Washington Avenue, Saginaw, Michigan 48601.

All vendors are subject to the provisions of the City's Purchasing, Contracting, and Selling Procedure Ordinance, Title I, Chapter 14, §14.30-14.45, of the Saginaw Code of Ordinances. For disability accommodation, please call 989-759-1410.

As part of the consideration for this bid, the vendor doing business with the City of Saginaw agrees to have withheld from any payments due them, any amounts for taxes, fees, or other charges due the City of Saginaw.

The City of Saginaw has an income tax. All successful bidders will be subject to income tax withholdings; compliance is mandatory.

Contract amounts totaling $100,000 or more will require a certified check, cashier's check, or surety company bid bond in an amount of five percent **(5%)** of the total bid to be submitted with the bid as security for the acceptance and execution of the contract.

The successful bidder on a contract of $50,000.00 or more will be required to furnish surety company bonds as follows:
First - A bond in the sum of one hundred percent (100%) of the contract price running to the City of Saginaw to insure the construction and completion of the entire work according to the proposal and contract.
Second - A bond in the sum of one hundred percent (100%) of the contract price running to the City of Saginaw for the protection of the subcontractors and labor and material suppliers, according to the statute of the State of Michigan at that time in effect.
The City of Saginaw reserves the right to accept or reject any and all bids, or parts thereof, and to waive any irregularities in the bid except those specifically mentioned in the Sealed Bid Instructions. Bidders are required by the City's Purchasing, Contracting, and Selling Procedure Ordinance to submit documentation concerning their current work force and past employment practices and to subscribe to a statement furnished by the City indicating compliance with the Ordinance.

Kim Jaime, Purchasing Officer

CITY OF SAGINAW, MICHIGAN
BID FORM

C-1726 HANCOCK & AMES RECONSTRUCTION – MICHIGAN AVE TO NIAGARA ST

To the City of Saginaw Date:_____

In response to your notice, the undersigned, hereinafter called the Contractor, hereby declares that the Contractor has read the "General Instruction to Bidders", "Sealed Bid Instructions" and "General Information", has examined the plans, specifications and the location of the work described herein, has reviewed the proposed Contract and its general conditions, and, is thus fully informed to the nature of the work and the conditions relating to its performance and further understands that the quantities shown hereon are approximate only and are subject to either increase or decrease.

The Contractor hereby proposes to furnish all the necessary equipment and tools, do all the work, furnish all the materials, except as otherwise specified and to complete the work herein described all in accordance with the Contract and its plans and specifications, of which this proposal is a part, for the unit prices named in the following itemized bid.

Prior to and contingent upon award of a contract of $50,000.00 or more, the undersigned further agrees to furnish a surety company performance bond in the sum of not less than 100 percent (100%) of the total amount of the contract company to secure the faithful performance of the Contract and, when required, a surety company labor and material bond in the sum of not less than 100 percent (100%) of the total amount of the Contract for the protection of subcontractors, labor and material suppliers, according to the laws of the State of Michigan at that time in effect. Said signed Contract, surety company bonds, and insurance shall be furnished within ten (10) days from date of notification by the Engineering Division of acceptance of the proposal submitted. The Contract cannot be fully awarded by City Council without the return of these executed documents.

In compliance with the requirements of said notice, this proposal is accompanied by an **original** bid bond, bank money order, certified check, or cashier's check in the sum of five percent (5%) of total bid to guarantee that a contract will be entered into if the above proposal is accepted, and the contract awarded to the undersigned.

52.222-21 Prohibition of Segregated Facilities.

As prescribed in 22.810(a)(1), insert the following clause:

Prohibition of *Segregated Facilities* (Apr 2015)

(a) *Definitions*. As used in this clause

Gender identity has the meaning given by the Department of Labor's Office of Federal Contract Compliance Programs, and is found at http://www.dol.gov/ofccp/LGBT/LGBT_FAQs.html.

Segregated facilities, means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees, that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, sex, *sexual orientation*, *gender identity*, or national origin because of written or oral policies or employee custom. The term does not include separate or single-user rest rooms or necessary dressing or sleeping areas provided to assure privacy between the sexes.

Sexual orientation has the meaning given by the Department of Labor's Office of Federal Contract Compliance Programs, and is found at http://www.dol.gov/ofccp/LGBT/LGBT_FAQs.html.

(b) The Contractor agrees that it does not and will not maintain or provide for its employees any *segregated facilities* at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where *segregated facilities* are maintained. The Contractor agrees that a breach of this clause is a violation of the Equal Opportunity clause in this contract.

(c) The Contractor *shall* include this clause in every subcontract and *purchase order* that is subject to the Equal Opportunity clause of this contract.

(End of clause)

Parent topic: 52.222 [Reserved]

	DESCRIPTION	APPX. QUANT.	UNIT	UNIT PRICE	BID AMOUNT
1	Mobilization, Max $124,600	1	LSUM		
2	Dr Structure, Rem	3	Ea		
3	Sewer, Rem, Less than 24 inch	44	Ft		
4	Sidewalk, Rem	2,340	Syd		
5	Structures, Rem Portions	1	LSUM		
6	Utility Pole, Rem	1	Ea		
7	Exploratory Investigation, Vertical, Modified	60	FT		
8	Pavt, Rem, Modified	4,415	Syd		
9	Non Haz Contaminated Material Handing and Disposal, LM	50	Cyd		
10	Subgrade Undercutting, Type II	50	Cyd		
11	Machine Grading, Modified	10	Sta		
12	Backfill, Structure, CIP	230	Cyd		
13	Erosion Control, Inlet Protection, Fabric Drop	15	Ea		
14	Subbase, CIP	1,500	Cyd		
15	Aggregate Base, 4 inch, Modified	530	Syd		
16	Aggregate Base, 9 inch, Modified	3,935	Syd		
17	Maintenance Gravel, Modified	100	Ton		
18	Geotextile, Separator, Modified	4,465	Syd		
19	Sewer,12 inch, SDR-26	57	Ft		
20	Sewer, 6 inch, SDR-26	51	Ft		
21	Sewer Trap	3	Ea		

22	Dr Structure, Tap, 6 inch	2	Ea		
23	Combined Sewer Manhole, Adj, Add Depth	6	Ft		
24	Combined Sewer Manhole, Cover, Adj, Case 1	9	Ea		
25	Dr Structure Cover, ADA Compliant, Modified	1	Ea		
26	Dr Structure Cover, Type B, Modified	9	Ea		
27	Dr Structure Cover, Type K, Modified	3	Ea		
28	Dr Structure, 48 inch dia, Modified	4	Ea		
29	Gas and Water Shutoff, Adj, Modified	13	Ea		
30	Hand Patching	4	Ton		
31	HMA, 4EL	500	Ton		
32	HMA, 5EL	500	Ton		
33	Cement	3	Ton		
34	Driveway, Nonreinf Conc, 7 inch, Modified	239	Syd		
35	Curb and Gutter, Conc, Det F2, Modified	1,878	Ft		
36	Curb Ramp Opening, Conc, Modified	36	Ft		
37	Detectable Warning Surface, Modified	48	Ft		
38	Curb Ramp, Conc, 4 inch, Modified	622	Sft		
39	Curb Ramp, Conc, 7 inch, Modified	715	Sft		
40	Sidewalk, Conc, 4 inch, Modified	13,800	Sft		
41	Sidewalk, Conc, 7 inch, Modified	2,545	Sft		
42	Post, Steel, 3 pound	340	Ft		
43	Sign, Type III, Rem	57	Ea		
44	Sign, Type IIIA	99	Sft		

45	Post, Flexible, Delineator, Surface Mtd, 36 inch	25	Ea		
46	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	675	Ft		
47	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	18	Ft		
48	Pavt Mrkg, Waterborne, 4 inch, Yellow	1,812	Ft		
49	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	1,812	Ft		
50	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	43	Ea		
51	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	43	Ea		
52	Pedestrian Type II Barricade, Temp	32	Ea		
53	Dust Palliative, Applied	3	Ton		
54	Minor Traf Devices	1	LSUM		
55	Plastic Drum, Fluorescent, Furn	30	Ea		
56	Plastic Drum, Fluorescent, Oper	30	Ea		
57	Sign, Type B, Temp, Primastic, Furn	295	Sft		
58	Sign, Type B, Temp, Primastic, Oper	295	Sft		
59	Sign, Type B, Temp, Primastic, Spec, Furn	135	Sft		
60	Sign, Type B, Temp, Prismatic, Spec, Oper	135	Sft		
61	Traf Regulator Control	1	LSUM		
62	Turn Establishment, Performance	250	Syd		
63	Monument Preservation	2	Ea		
64	Monument Box, Modified	1	Ea		
65	Gate Valve and Box, 6 inch	2	Ea		
66	Gate Valve and Box, 12 inch	3	Ea		

67	Gate Valve and Box, 16 inch	2	Ea		
68	Water Main, 12 inch, Tr Det G, Modified	490	Ft		
69	Water Main, 4 inch, Tr Det G, Modified	10	Ft		
70	Water Main, 6 inch, Tr Det G, Modified	80	Ft		
71	Water Main, 8 inch, Tr Det G Modified	6	Ft		
72	Water Main, DI, 16 inch, Tr Det G, Modified	477	Ft		
73	Connection To Existing 12 inch Water Main	3	Ea		
74	Connection To Existing 16 inch Water Main	5	Ea		
75	Connection To Existing 4 inch Water main	2	Ea		
76	Connection To Existing 6 inch Water Main	1	Ea		
77	Connection To Existing 8 inch Water Main	1	Ea		
78	Hydrant, Complete, 6 inch	1	Ea		
79	Hydrant, Rem, Modified	1	Ea		
80	Water Serv, Long, Modified	8	Ea		
81	Water Serv, Modified	5	Ea		
82	Water Serv, Private	10	Ea		
83	Abandon Existing Water Main, In Place	1	LSUM		
84	Masonry Filler Wall	350	Sft		

TOTAL BID _____

Please check the MDOT Work Pre-Qualification Classification that your

B. CONCRETE PAVING _____

Ba. CONCRETE PAVEMENT PATCHING AND WIDENING _____

J. MISCELLANEOUS CONCRETE ITEMS _____

Cb. HOT MIX ASPHALT/BITUMINOUS PAVING _____

K. SEWER AND WATER MAINS _____

OTHER NOT LISTED _____

In accordance with the provisions of "Public Act 524 of 1980".

I do hereby designate _____ (name of representative) to submit a written request for progress payment during the duration of this contract.

The Contractor shall start work as specified in the Progress Clause, or as directed by the City Engineer. In no case, shall any work commence prior to receipt of formal Notice to Proceed from the City.

The undersigned bidder does hereby declare that the bidder has the legal status checked below:

_____ Individual

_____ Partnership

_____ Corporation

Incorporated under the laws of the State of _____

_____ Limited Liability Company

Formed under the laws of the State of _____

The undersigned does hereby agree to honor this bid until November 12, 2026.

Michigan's Iran Economic Sanctions Act:
The signature below certifies your company is in compliance with the Michigan Iran Economic Sanctions Act as identified on page #39 of this document. Further information on this Act can be viewed at (http://www.state.gov/j/ct/list/c14151.htm and https://www.legislature.mi.gov/(S(qnwpjcm0uyo1f2fhz0w1mlyq))/mileg.aspx?page=GetObject&objectname=mcl-Act-517-of-2012)

_____
(Signature)

_____
(Printed name)

_____
(Title)

This sheet must be included, or the bid will be disqualified.

By submitting a response to this request for proposal, the Contractor agrees to the terms and conditions set forth herein. Any changes made to such terms and conditions by Contractor in its response may result, at the City's sole discretion, in the Contractor's disqualification.

The successful Contractor will conform to all Contract specifications and requirements which are attached and incorporated as part of this bid. The City reserves the right to accept or reject any and all bids, or parts thereof, and to waive any irregularities in the bid except those specifically mentioned in the sealed bid instructions. Additionally, (if applicable) we reserve the right to add or delete any items(s) and/or service from this bid to the best benefit of The City of Saginaw.

By signature, the Contractor acknowledges that the signer below has complete authority to execute the bid on behalf of the Contractor and that the bid is genuine and not collusive in any manner; and that no other bidders were improperly induced to refrain from bidding or induced to submit a sham bid; and that the Contractor agrees to have withheld from any payment due them, any amounts owed for taxes or other charges due the City of Saginaw; and that successful bidders are subject to mandatory City of Saginaw income tax withholdings.

Signed	_____	Address	_____
Name	_____	City, State, Zip	_____
Title	_____	Telephone No:	_____
Company	_____	Fax No.	_____
E-mail	_____	Date:	_____

Check List

Iran Sanctions sheet Signed and included	Yes	No
Bid Form Signed and included	Yes	No
2nd Copy of Bid form included	Yes	No

Applies ONLY if an addendum(s) has been issued for this project

Addendum(s) Cover Sheet

#1 – 1st page is signed and included	Yes	No
#2 – 1st page is signed and included	Yes	No
#3 – 1st page is signed and included	Yes	No

This sheet must be included, or the bid will be disqualified.

CONTRACT

CITY OF SAGINAW, MICHIGAN

This Contract is entered into on this _ day of _____, 2026, between **(name of contractor),** of _____ (hereinafter "Contractor"), and the City of Saginaw, 1315 S. Washington Avenue, Saginaw, Michigan 48601 (hereinafter "City"), for **HANCOCK & AMES RECONSTRUCTION – MICHIGAN AVE TO NIAGARA ST, (C-1726).**

WHEREAS, Contractor, at a regular meeting of the Council of the City of Saginaw, held on Month Day Year, was awarded the contract for furnishing the necessary labor, equipment, materials, and construction for the completion of **HANCOCK & AMES RECONSTRUCTION – MICHIGAN AVE TO NIAGARA ST, (C-1726).**

Contractor, in consideration of the Agreement herein made by the City, agrees with the City as follows:

Article 1. SUBJECT MATTER. Contractor shall furnish all the materials, except those specified to be furnished by the City, and perform all the work for **HANCOCK & AMES RECONSTRUCTION – MICHIGAN AVE TO NIAGARA ST, (C-1726)** as listed on the Table of Contents, and as shown on the drawings prepared by the Department of Public Services, Engineering Division, and described in the specifications, and in accordance with the general conditions, the general instructions to bidders, the notice inviting sealed proposals and the proposal, all of which are hereby made a part of this Contract by reference as though fully set forth herein. The Contractor acknowledges Contractor has received a copy of all such documents.

Article 2. COMMENCEMENT OF WORK. The Contractor shall start work as specified in the Progress Clause**,** or as directed by the City Engineer and the work shall be carried on with due diligence, at such points and at such times and seasons, and with such force and in such manner as to secure the completion in accordance with the Progress Clause, the time of beginning, rate of progress and the time of completion being essential conditions of this Contract.

Article 3. PAYMENT. It is hereby mutually agreed that the City shall pay, and the Contractor receive, the sum of **$Numerical amount,** same being the amount named in the Contractor's proposal or bid as full compensation for labor and materials required in executing all the work contemplated in this Contract, subject to additions and deductions, as provided in the specifications.

Article 4. ESTIMATES. The City hereby agrees to make payment under the restrictions and limitations herein contained, from time to time, on account of performance of this contract, by orders drawn upon the proper fund of the City, paying NINETY PERCENT (90%) thereof on the basis of estimates made by the Department of Public Services & Engineering semi-monthly as the work progresses, and approved by the City Engineer. Said estimates shall be made in writing and shall only include work done and material in place and shall not include completed work which,

in the opinion of the City Engineer, is not advisable, for the protection of the City, at that time to make payment on, and such estimates may be altogether withheld when, in the opinion of the City Engineer, work does not progress in accordance with the provisions of this Contract; and the making and furnishing of such estimates shall not be deemed or construed as an acceptance of any part of the work under this Contract. The City Engineer may authorize the reduction of the amount so withheld so that total payment equals NINETY-FIVE PERCENT (95%) of the estimate where the City Engineer shall find that the retention of FIVE PERCENT (5%) of the estimate is sufficient to protect the City, but the total amount so retained shall not in any event be reduced to less than FIVE PERCENT (5%) of the contract price above stated.

Article 5. RETENTION OF MONEYS. In addition to the TEN PERCENT (10%) of contract price above retained, to insure the completion of the work, the City reserves the right to retain at all times from the estimates, an amount sufficient to pay and discharge all debts incurred by Contractor, or subcontractor, for labor performed in the progress of the work, and for material purchased and used, and, at its discretion, to pay the same to the parties entitled thereto, and charge the same against the contract price.

Article 6. SEPARATE CONTRACTS. Where two or more separate proposals are grouped together herein, it is expressly agreed that each of said proposals shall constitute a separate contract and that all of the terms, conditions, and provisions of this Contract shall apply to each of said proposals to the same extent and in the same manner as though each of said proposals had been the subject of a separate contract.

Article 7. PUBLIC ACT 524 of 1980. Notwithstanding any provision herein to the contrary, this agreement is subject to 1980 PA 524, which statute is incorporated herein and made a part hereof by reference. Contractor hereby agrees that the City may, at its option, submit the following matters to dispute resolution by an agent agreed to or selected in accordance with the procedures set forth in the statute:

A. At any time during the term of the contract, to determine whether there has been a delay for reasons that were within the control of the Contractor, and the period of time that delay has been caused, continued, or aggravated by actions of the Contractor.
B. At any time after ninety-four percent (94%) of work under the Contract is in place, whether there has been an unacceptable delay by the Contractor in performance of the remaining six percent (6%) of work under the Contract. The agent shall consider the terms in the Contract and procedures normally followed in the industry and shall determine whether the delay was for failure to follow reasonable improvement practices in the industry for completion of the project.

The agent shall have all the rights, powers and duties specified in the statute.

Article 8. ACCEPTANCE AND FINAL PAYMENT. The final payment, including any retainage previously withheld, shall be payable on the approval and acceptance of the work by the City Engineer.

The payment of the final amount due under this Contract, and the adjustment and payment of all bills rendered for the work done in accordance with any alterations of same, shall release the City from any and all claims or liability on account of work performed or materials furnished under the Contract, or any alterations thereof.

The City of Saginaw has an income tax. All successful bidders will be subject to income tax withholdings and compliance is mandatory.

As part of the consideration for this Contract, the undersigned does hereby agree to have withheld from any payments due them, any amounts for taxes, fees or other charges due the City of Saginaw.

By their signatures below, the parties certify the persons signing on behalf of their respective party has the authority to do so. The parties hereto have executed this Contract the day and year first above written.

CONTRACTOR	**CITY OF SAGINAW**
	By:_____
	Timothy Morales
By:_____	**City Manager**
Name: _____	
Title: _____	

CITY OF SAGINAW

SCOPE OF WORK

COS: TJH **APRIL 2026**

C-1726 Hancock & Ames Reconstruction – Michigan to Niagara

Reconstruction of Hancock Street and Ames Street with pavement removal, concrete work, earthwork, subbase, aggregate base, curb and gutter, sidewalks, ADA sidewalk ramps, storm sewer, structure adjustments, water main, and restoration.

Traffic control will be the responsibility of the Contractor. All major roads listed (Approximately 30) will be closed to through traffic with posted detour, while maintaining local access. 48-hour notice to the City is required for all closures. All local roads listed will be closed to through traffic with no posted detour required, while maintaining local access. Patches must be completed and the roadway open to traffic within 72 hours of removals. The contractor shall place temporary pavement markings until permanent pavement markings are placed.

CITY OF SAGINAW

PROGRESS CLAUSE

ROWE: COS 1 of 1 4-6-26

In no case shall any work be commenced prior to receipt of formal notice of award by the Engineer.

The Engineer anticipates that construction can begin no earlier than June 8, 2026 or as directed by the Engineer.

The entire project must be Open to traffic on or before **September 25, 2026**.

The project completion date for this project is on or before **October 30, 2026**; this date is to accommodate an establishment period for turf establishment. All contract work except turf establishment must be completed in its entirety by **September 25, 2026**.

Work is prohibited on City of Saginaw holidays and during the Fourth of July and Memorial Day Holiday shutdown periods. The dates are outlined below:

May 25, 2026 (No work from May 22, 2026 at 3 p.m. to May 26, 2026 at 7 a.m.)
July 4, 2026 (No work from July 3, 2026 at 3 p.m. to July 6, 2026 at 7 a.m.)

No unnecessary stoppages in work will be allowed once work has begun at the site.

Unless specific pay items are provided in the contract any extra costs incurred by the Contractor due to cold-weather protection and winter grading will not be paid for separately but will be included in the payment of other pay items in the contract.

After award and prior to the start of work, the Contractor must attend a preconstruction meeting with the Engineer. The Engineer will determine the day, time and place for the preconstruction meeting. The meeting will be conducted after project award and may be rescheduled if there are delays in the award of the project.

The named subcontractor(s) for designated and/or specialty Items, as shown in the Proposal, should attend the preconstruction meeting if such items materially affect the work schedule.

Failure by the Contractor to meet interim, final, and/or any stage completion dates will result in the assessment of liquidated damages in accordance with subsection 108.10 of the Standard Specifications for Construction.

CITY OF SAGINAW

SPECIAL PROVISION

FOR

TECHNICAL SPECIFICATIONS

COS:TJH **1 of 1** **APRIL 2026**

The technical specifications for this project shall be in accordance with the 2020 Standard Specifications for Construction of the Michigan Department of Transportation, hereinafter referred to as the "STANDARD SPECIFICATIONS", the latest MDOT standard road plans, and Traffic and Safety standard plans.

The placement of permanent and temporary pavement markings, and temporary signing for work zones shall be in accordance with the Michigan Manual of Uniform Traffic Control Devices, 2011 Edition.

In case of discrepancy, figured dimensions shall govern over scaled dimensions and the parts of the contract will prevail over all other parts in the following order:

1. City, ROWE and MDOT Special provisions
2. MDOT Supplemental specifications
3. Project plans and drawings
4. MDOT Standard plans
5. MDOT Standard specifications

CITY OF SAGINAW

BIDDER PRE-QUALIFICATIONS – MDOT

COS:TJH **1 OF 2** **APRIL 2026**

All bidders must be Michigan Department of Transportation (MDOT) prequalified in one of the listed Work Classifications below to bid on this project. If your company or any of the listed sub-contractors is not pre-qualified by MDOT your bid will be rejected. The MDOT site will be checked for compliance.

https://www.michigan.gov/mdot/0,4616,7-151-9625_21539_21545---,00.html

B. CONCRETE PAVING

(Section 602 Standard Specifications)

This work shall consist of constructing a jointed portland cement concrete pavement, base course or shoulder, with or without reinforcement, as specified; large, road work.

Equipment: Major paving equipment (slipform).

Ba. CONCRETE PAVEMENT PATCHING AND WIDENING

(Section 603 Standard Specifications)

This work shall consist of repairing portions of a concrete pavement with portland cement concrete with or without reinforcement, as required, and with the type of joint specified. This would include miscellaneous concrete pavement, widening, turn lanes, and pavement patching and repair.

Equipment: Compaction equipment, drilling machine (dowel bars), forms, concrete saws, self-powered screed.

J. MISCELLANEOUS CONCRETE ITEMS

(Sections 801-804 Standard Specifications)

This work shall consist of constructing concrete curb, curb and gutter, sidewalk, barrier wall, driveways, sidewalk ramps, and other incidental construction.

Equipment: Backhoe, compaction equipment, excavator, forms, loader, paver (C&G slipform).

Cb. HOT MIX ASPHALT/BITUMINOUS PAVING

(Sections 501-504, 805, 806, 814 Standard Specifications)

This work shall consist of preparing the existing pavement and constructing HMA/Bituminous pavements, shoulders, and approaches. Also includes paver placed surface seal, HMA curb, HMA shared-use paths, paved ditches.

Equipment: Pressure distributor, pavers, compaction equipment (pneumatic and vibratory rollers), trucks.

COS:TJH **2 OF 2** **APRIL 2026**

K. SEWERS AND WATER MAINS

(Sections 402 Standard Specifications)

This work shall consist of installing lines of sewer pipe, of the required class and the specified inside diameter and shall include excavation, backfilling, sewer taps, bulkheads, trench undercut and backfill, dewatering system, installing/testing/disinfecting/backfilling water mains.

Equipment: Backhoe, compaction equipment, excavator, forms, loader, paver (C&G slipform).

CITY OF SAGINAW

SUB-CONTRACTOR PRE-QUALIFICATIONS – MDOT

COS:TJH **1 OF 1** **APRIL 2026**

List the MDOT Work Pre-Qualification Classification that your company holds. If the sub-contractor does not hold an MDOT Pre-Qualification they are not allowed to work on the project. If the Prime wants the sub-contract employees to work, they must be on the prime contractor's company payroll with the work pre-qualification.

B. CONCRETE PAVING
Ba. CONCRETE PAVEMENT PATCHING AND WIDENING
J. MISCELLANEOUS CONCRETE ITEMS
Cb. HOT MIX ASPHALT/BITUMINOUS PAVING
K. SEWERS AND WATER MAINS
OTHER

Company Name/Address/Phone	**Pre-Qualification**

CITY OF SAGINAW

NOTICE TO BIDDERS

UTILITY

ROWE: COS **COORDINATION** 1 of 1 4-6-26

The contractor shall cooperate and coordinate activities with the owners of utilities as stated in section 104 of the Standard Specifications for Construction. In addition, for the protection of underground utilities, the Contractor shall follow the requirements in section 107.12 of the Standard Specifications for Construction. Contractor delay claims, resulting from a utility, will be determined based upon section 109.05.E of the Standard Specifications for Construction.

PUBLIC UTILITIES
The following public utilities have facilities located within the right-of-way:

UTILITY	OWNER	CONTACT PERSON
Gas Electric	Consumers Energy Co. 2400 Weiss Street Saginaw, MI 48602	Sam Oliveri (989) 791-5869 sam.oliveri@cmsenergy.com Virgie Downs (989) 791-5353 virgie.downs@cmsenergy.com
Telephone	AT&T 309 S. Washington Avenue Saginaw, MI 48607	Chris Latty (989) 776-4031 CL1283@att.com
Sewer & Water	City of Saginaw 1701 S. Jefferson Avenue Saginaw, MI 48601	Tony Folino (989) 295-5125 tfolino@saginaw-mi.com
Traffic Signals, Signs, Street lights	City of Saginaw 1435 S. Washington Avenue Saginaw, MI 48601	Joe Nugent (989) 737-5583 jnugent@saginaw-mi.com
Cable/ Television	Charter Communications 2525 State Street Saginaw, MI 48602	Mark Kelly (989) 233-9404 Mark.kelly@charter.com

For the protection of underground utilities and in conformance with Public Act 174 of 2013, the Contractor shall contract the Miss Dig System, Inc. by phone at 811 or 800-482-7171 or via the web at either elocate.missdig.org for single address or rte.missdig.org, a minimum of 3 business days prior to excavation, excluding weekends and holidays.

CITY OF SAGINAW

SPECIAL PROVISION

FOR

LIQUIDATED DAMAGES

COS:TJH **1 OF 1** **APRIL 2026**

GENERAL REQUIREMENT

All work shall be accomplished in accordance with section 108 of the Michigan Department of Transportation 2020 Standard Specifications for Construction and as modified herein.

DESCRIPTION

Liquidated Damages per calendar day will be assessed at 100% of the amount indicated below:

SCHEDULE OF LIQUIDATED DAMAGES	
ORIGINAL CONTRACT AMOUNT	**LIQUIDATED DAMAGES (per calendar day)**
$ 0 to $ 100,000	$500
$ 100,000 to $ 500,000	$800
$ 500,000 to $ 1,000,000	$1000
$ 1,000,000 to $ 5,000,000	$1500
$5,000,000 to $15,000,000	$2000
Over $15,000,000	$4000

ASSESSMENT OF LIQUIDATED DAMAGES

Sums assessed as Liquidated Damages shall not be considered penalties, but as damages due the City from the contractor for failure to complete the work within the specified time.

Owners of public utilities will not be required to move poles or structures not already identified in the Plans to be relocated, in order to facilitate the operation of construction equipment, unless it is determined by the Engineer that such poles or structures constitute a hazard to the public or are extraordinarily dangerous to the Contractor's operations. **If the Contractor determines that additional relocations will be required in order to facilitate the operation of construction equipment for completion of this project, the Contractor shall notify the Engineer and the Utility in writing, no later than 10 calendar days after award.** The Contractor will be required to coordinate with utility companies to relocate any facilities required to accommodate the proposed scope of work. Support of utility poles during construction is the responsibility of the Contractor.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
PAVT, REM, MODIFIED

ROWE: COS 1 of 1 4-6-26

a. Description. Work includes the removal and disposal of existing pavement as specified on the plans, in the proposal, or as directed by the Engineer. Work shall be performed in accordance with section 204 of the Standard Specifications for Construction, except that additional payment will not be made for multiple layers of pavement or driveway regardless of thickness and type of pavement. Additional payment will not be made for excavation of subbase material to provide the correct plan grade as shown on the plans for the pavement replacement cross section.

b. Materials. Provide material in accordance with subsection 204.02 of the Standard Specifications for Construction.

c. Construction. Construction shall be in accordance with subsection 204.03 of the Standard Specifications for Construction.

d. Measurement and Payment. The completed work as measured will be paid for at the contract unit price for the following item:

Pay Item	**Pay Unit**
Pavt, Rem, Modified	Square Yard

Pavt, Rem, Modified will be measured by area in square yards of surface to be removed regardless of depth of material being removed and regardless of status or type of the underlying material, and will be paid for at the contract unit price per square yard which price shall be payment in full for all labor, equipment, and materials needed to remove the pavement and excavate the subbase to the correct plan grade to provide the pavement replacement cross section as shown on the plans.

The removal of curb and gutter or integral curb will be measured and paid for as **Pavt, Rem, Modified** and will not be paid for separately.

Payment for sawcutting will be included in **Pavt, Rem, Modified** and will not be paid for separately. Sawed joints for pavement removal shall be either parallel or perpendicular to the longitudinal centerline. Sawed joints shall extend substantially through the full thickness of pavement so a clean break is provided and the adjacent existing pavement or structures to remain in place are not damaged. If adjacent pavement or structures to remain are damaged as a result of the Contractor's operations, they shall be replaced as directed by the Engineer at the Contractor's expense.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
VERTICAL EXPLORATORY INVESTIGATION

ROWE: COS Page 1 of 2 4-6-26

a. Description. This work consists of providing all labor, equipment, and materials necessary to excavate an exploratory trench, expose an existing culvert, sewer, sump discharge or utility, and verifying the condition, size, material, elevation and alignment, and backfilling the trench. Perform the work in accordance with section 204 of the Standard Specifications for Construction and the contract. Locate utility crossings and service leads as a part of the work. Exploratory work required for locating existing utilities will not be paid for separately unless specifically called out on the plans or if the Engineer gives the Contractor explicit permission in advance of the excavation. The intent of this work is not to provide payment to the Contractor for locating each existing utility throughout the project. The Contractor is responsible for "using reasonable care to establish the precise location of the underground facilities in advance of construction" (2013 PA 174 - MISS DIG Underground Facility Damage Prevention And Safety Act) as a part of the overall project contract.

b. Materials. Ensure if the trench is located within the limits of pavement or within a 1 on 1 influence of pavement, backfill the trench with Class II or III granular material, as directed by the Engineer, and compact to at least 95 percent of the maximum unit weight. If the trench is located outside of the limits of pavement, excavated material from the trench may be used to backfill the trench and compacted to at least 95 percent of the maximum unit weight, unless otherwise directed by the Engineer.

c. Construction. Exploratory excavation shall be performed by the Contractor only after approval from the Engineer. The limits of disturbed areas and time spent in searching for unknown utility and structure conditions or locations shall be monitored and determined by the Engineer as the work is progressing.

Excavate the exploratory trench to expose the culvert, sewer pipe, or other facility to verify the condition, size, material, elevation and alignment of the pipe or facility. Perform all work in conformance with 2013 PA 174 - MISS DIG Underground Facility Damage Prevention And Safety Act. Contact the MISS DIG System a minimum of 3 full business days (72 hours) prior to beginning trenching. Backfill the exploratory trench only after the Engineer has approved it for backfilling and no later than 24 hours after approval has been given. Dispose of excess material in accordance with the Standard Specifications for Construction.

Replace or repair the exposed pipe or facility in accordance with other contract pay items as directed by the Engineer. Repair of exposed culverts and sewers damaged by exploratory or excavating operations is the responsibility of the Contractor.

d. Measurement and Payment. The completed work as measured for Exploratory Excavation will be paid for at the contract unit price for the following contract item (Pay Item):

Pay Item	**Pay Unit**
Exploratory Investigation, Vertical, Modified	Foot

Exploratory Investigation, Vertical, Modified will be measured by the foot from the top of existing grade vertically to the bottom of the excavation, or as approved by the Engineer. Exploratory Investigation, Vertical, Modified includes all costs associated with repair or replacement resulting from the Contractor's activities. Payment shall include all labor, tools, materials, equipment and machinery necessary to excavate, backfill, and compact to assist in the determination of buried utilities and/or structures. Providing necessary lane, shoulder and/or sidewalk closures required to perform work is included in Minor Traf Devices.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
MACHINE GRADING, MODIFIED

ROWE: COS 1 of 1 4-6-26

a. Description. This work shall consist of all excavation, including earth, necessary to shape the subgrade and aggregate base to the cross-sections shown on the plans for pavements, sidewalks, curbs, drive approaches, etc. within the construction limits of the project, further defined as the road right-of-way plus the side street approach removal limits and grading permit areas. The work shall include removal of landscape beds including timbers and shrubs within the right-of-way as needed to facilitate sidewalk construction. The work shall include proper disposal of excavated materials. This work shall also include all embankment and grading necessary to shape areas behind curb and gutter around all drives and all sidewalks to allow for placement of topsoil.

b. Materials. Provide materials in accordance with the subsection 205.02 of the Standard Specifications for Construction.

c. Construction. This work shall conform to the requirements of section 205 of the Standard Specifications for Construction.

d. Measurement and Payment. The completed work as measured will be paid for at the contract unit price for the following contract item:

Pay Item	**Pay Unit**
Machine Grading, Modified	Station

Machine Grading, Modified will be measured by length in stations along the road centerline and will be paid for at the contract unit price per station. This price shall be payment in full for all labor, equipment, and materials including embankment, excavation, and disposal of excavated material needed to accomplish this work for the entire width of the construction limits. Rework of stations will not be paid again.

Use of excavated material for fill material will be considered as included in the work of **Machine Grading, Modified**.

Turf restoration items will be paid for separately.

Approximately 3,000 cubic yards of earth will be excavated. Contractor shall make their own determination of the earthwork quantities, and base their bid determination of the quantities of work required. Suitable excavated material, as determined by the Engineer, may be used as fill material behind proposed curb. Approximately 150 cubic yards (LM) of embankment will be placed.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
AGGREGATE BASE, __ INCH, MODIFIED

ROWE: COS 1 of 1 4-6-26

a. Description. This work shall meet the requirements of sections 302 and 902 of the Standard Specifications for Construction except as herein specified.

The work includes furnishing, loading, hauling, stockpiling, placing, compacting, and shaping the base material at specified locations.

b. Materials. Materials for **Aggregate Base, __ inch, Modified** shall be 100 percent crushed limestone conforming to 21AA Aggregate under section 902 of the Standard Specifications for Construction.

c. Construction. Construction shall be in accordance with subsection 302.03, section 902, and table 902-1 of the Standard Specifications for Construction.

d. Measurement and Payment. The completed work as measured for **Aggregate Base, __ inch, Modified** will be paid for at the contract unit price for the following contract item:

Pay Item	**Pay Unit**
Aggregate Base, __ inch, Modified	Square Yard

Aggregate Base, __ inch, Modified will be measured in place, at the specified depth, by area in square yards and will be paid for at the contract unit price. This price shall be payment in full for all labor, materials, and equipment needed to accomplish this work.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
MAINTENANCE GRAVEL, MODIFIED

ROWE: COS 1 of 1 4-6-26

a. Description. This work consists of constructing an aggregate surface on a prepared grade, where directed by the Engineer, to maintain traffic during construction. Maintenance of driveways and intersections by the use of an aggregate surface during construction is included in this work. Removal and disposal of the aggregate when no longer needed is included in this item of work.

This work will be in accordance with sections 306, 902, and table 902-1 of the Standard Specifications for Construction, except as modified herein.

b. Materials. Maintenance Gravel, Modified will be 100 percent crushed limestone conforming to dense-graded aggregate Class 21AA under section 902 of the Standard Specifications for Construction.

No crushed concrete shall be accepted.

c. Construction. Maintenance gravel is to be placed at locations shown on the plans or directed by the Engineer to provide a flush transition to driveways, roadway, and other areas where traffic is to be maintained.

The aggregate surface shall be maintained in a smooth and firm condition until no longer needed for maintaining traffic. When construction operations progress to the point that the maintenance gravel is no longer needed, removal of maintenance gravel is to occur in the same workday as paving or aggregate surfacing of the removal area. Contractor is responsible for removal and disposal of the material in accordance with the Standard Specifications for Construction.

d. Measurement and Payment. The completed work will be measured and paid for one time at the contract unit price for the following contract item:

Pay Item	**Pay Unit**
Maintenance Gravel, Modified	Ton

Payment for **Maintenance Gravel, Modified** shall be based on weight tickets of material used and paid for one time. Includes all labor, equipment, and materials required for the construction, maintenance, and removal of the aggregate surface as described in this special provision and as directed by the Engineer. Weigh tickets shall be provided to the Engineer.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
GEOTEXTILE, SEPARATOR, MODIFIED

ROWE: COS 1 of 1 4-6-26

a. Description. The work of **Geotextile, Separator, Modified** shall consist of furnishing and placing geotextile in accordance with section 910 of the Standard Specifications for Construction except as noted herein.

b. Materials. Geotextile separator shall be mechanically bonded non-woven fabric, meeting or exceeding products manufactured as Mirafi 180N or Synthetic Industries 801 non-woven product, or approved equal.

c. Construction. Spread geotextile smoothly on prepared grades and anchor firmly prior to placing backfill or cover materials. Do not operate equipment required to place backfill or cover materials directly on the geotextile. Smooth wrinkles or waves which develop in the geotextile. Either shingle-lap (minimum 24”) or seam all longitudinal and transverse joints in the geotextile. Field or factory seams, sewn or sealed, must meet specified grab tensile strength. Seams shall be installed facing upward.

d. Measurement and Payment. The completed work as measured for **Geotextile, Separator, Modified** will be paid for at the contract unit price for the following contract item:

Pay Item	**Pay Unit**
Geotextile, Separator, Modified	Square Yard

Geotextile, Separator, Modified will be measured in place by area in square yards and will be paid for at the contract unit price per square yard. This price shall be payment in full for all labor, material, and equipment needed to accomplish this work. No payment for overlaps will be made.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
SEWER TRAP

ROWE: COS 1 of 1 4-6-26

a. Description of Work. This work shall consist of all labor, equipment, and materials required to furnish and install a sewer trap inside drainage structures specified in the details in the plans or as directed by the Engineer in the field. All work is to be done in accordance with sections 402 and 403 of the Standard Specifications for Construction, except as modified herein. The required trap will be supplied and installed by the Contractor.

b. Materials. The sewer trap material for the City of Saginaw detail shall be a 6-inch diameter SDR-26 90-degree elbow with premium joints meeting all of the applicable standards established by ASTM.

c. Construction. Installation of the sewer trap shall be constructed in accordance with the detail sheet in the Plans and per manufacturer specifications as directed by the Engineer.

d. Measurement and Payment. The completed work as measured for **Sewer Trap** shall be paid for at the contract unit price for the following contract item:

Pay Item	**Pay Unit**
Sewer Trap	Each

Sewer Trap will be measured by units of each and will be paid for at the contract unit price per each which price shall be payment in full for all necessary labor, material, and equipment needed to accomplish this work.

Payment for **Sewer Trap** shall only include the 90-degree elbow. Proposed sewer pipe shall be paid for separately as **Sewer, _ inch, SDR-26.**

CITY OF SAGINAW

SPECIAL PROVISION
FOR
SEWER, _ INCH, SDR-26

ROWE: COS 1 of 1 4-6-26

a. Description. This work shall consist of excavation, furnishing, placing plastic sewer pipe, and trench backfill, in accordance with section 402 of the Standard Specifications for Construction, MDOT Standard Plan R-83 series, and details within the Plans except as modified herein.

b. Materials. Materials for sewer pipe shall meet or exceed ASTM D3034 SDR-26 or ASTM D2241 SDR-26 specifications for PVC integral gasket sewer pipe, depending on pipe diameter. Material for backfill shall be in accordance with the special details within the construction plans.

c. Construction. Construction shall be in accordance with subsection 402.03 of the Standard specifications for Construction.

d. Measurement and Payment. The completed work as measured for **Sewer, _ inch, SDR-26** will be paid for at the contract unit price for the following contract item:

Pay Item	**Pay Unit**
Sewer, _ inch, SDR-26	Foot

Sewer, _ inch, SDR-26 will be measured in place by length in feet and will be paid for at the contract unit price per foot which price shall be payment in full for any fittings such as Fernco or Mission Rubber or approved equal, connecting to existing sewers, neoprene gaskets, couplers, sheeting or shoring trench walls, backfill as required and all labor, material, and equipment needed to accomplish this work.

Connections into structures shall be completed utilizing a flexible neoprene gasket as described in the Alterations to the Municipal Combined Sewer System special provision.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
STRUCTURE ADJUSTMENTS

ROWE: COS 1 of 2 4-6-26

a. Description. This work shall be done in accordance with section 403 of the Standard Specifications for Construction, the detail sheet in the plans, and as modified herein.

This item shall include adjusting manhole castings and covers to the grades as directed by the Engineer. It shall also address areas where additional depth is required to adjust structures greater than six inches.

b. Materials. Materials for all concrete items shall be in accordance with section 1004 of the Standard Specification for Construction.

The cover shall be sealed to the structure using a heat shrinkable sleeve system, Boa Tape, or a rubber seal system such as Wrapid Seal, Canusa, Infi-Shield, Cretex “X-85”, or Engineer-approved equal. The seal shall extend down the cover and adjusting brick as shown within the typical detail sheets in the construction plan, as directed by the Engineer and recommended by the manufacturer. Where required, galvanized steel compression bands or manufacturer recommended coupling system shall be use for extension sleeves.

c. Construction. This work shall be performed only when all asphalt has been placed. The adjacent pavement shall be cored and placed to the original elevation with concrete, grade 3500.

Where additional depth of replacement greater than 6 inches is required, the work to replace pre-cast sections of the structure shall be completed prior to paving. Final adjustments will be made only when all asphalt has been placed except for the top course. This work will occur in two separate operations.

Use of brick or block to reach final elevations and repair damaged structures will be allowed to a maximum depth of 12 inches. For work in excess of 12 vertical inches, all components must be pre-cast in conformance with the City of Saginaw Alterations to the Municipal Combined Sewer System special provision requirements and as shown in the Plans.

d. Measurement and Payment. The completed work as measured structure adjustments will be paid for at the contract unit price for the following pay item(s).

Pay Item	**Pay Unit**
Combined Sewer Manhole, Cover, Adj, Case __	Each
Combined Sewer Manhole, Adj, Add Depth	Foot

Combined Sewer Manhole, Cover, Adj, Case __ will be measured by units of each and will be paid for at the contract unit price per each. This price shall be payment in full for all labor, equipment, and materials needed to accomplish this work, including placement of the sealant.

The unit price for **Combined Sewer Manhole Cover, Adj, Case 1** includes the cost of the following:

1. Coring existing pavement;
2. Adjusting the cover up or down, no greater than 6 inches; and
3. Removing and replacing pavement adjacent to the adjusted cover.
4. Concrete 3500 collar.

The City of Saginaw will pay separately for removing and replacing curb and gutter adjacent to the adjusted structure.

The City of Saginaw will only pay for **Combined Sewer Manhole Cover, Adj, Case 2** for structure adjustments located outside existing pavement, curb, and curb and gutter.

Combined Sewer Manhole, Adj, Add Depth will be measured by the vertical foot and will be paid for at the contract unit price per vertical foot, of the required diameter and depth, beginning 6 inches from the level of the existing structure, in the direction of adjustment, to the limit of the additional adjustment depth. This price shall be payment in full for all labor, equipment, and materials needed to accomplish this work, including placement of the sealant.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
DRAINAGE STRUCTURE COVERS

ROWE: COS 1 of 1 4-6-26

a. Description. This work shall be in accordance with section 403 of the Standard Specifications for Construction except as modified herein. Furnish all labor, equipment and materials necessary to install drainage structure covers in the standard plans and ADA compliant cover including the casting and grate as provided in the standard plans and modified for grate opening size.

b. Materials. Structure covers shall adhere to subsection 403.02 of the Standard Specifications for Construction except as modified herein.

The frame and cover for ADA compliance must be manufactured by EJ, Neenah Foundry, or approved equal, and must comply with all dimensioning in the standard plans for drainage structure covers except that the openings must not permit passage of a sphere more than 0.5 inch in diameter. Elongated openings must be placed so that the long dimension is perpendicular to the dominant direction of travel.

c. Construction. Furnish and install the drainage structure covers as indicated on the plans or as directed by the Engineer. All work must comply with section 403 of the Standard Specifications for Construction**.**

Deliver and unload the drainage structure cover at the job site in good condition. Any cracked or otherwise damaged units will not be accepted nor will any reimbursement be made for delivery or pick-up of damaged units.

d. Measurement and Payment. The completed work, as described, will be measured and paid for at the contract unit price for the following items:

Pay Item	**Pay Unit**
Dr Structure Cover, Type ___, Modified	Each
Dr Structure Cover, ADA Compliant, Modified	Each

Dr Structure Cover, Type ___, Modified and **Dr Structure Cover, ADA Compliant, Modified** includes cast iron frame and cover (grate) placed, and removal and disposal or salvaging of existing drainage structure cover. This price shall be payment in full for all labor, equipment, and materials needed to accomplish this work.

Salvaging of existing covers to be directed by the Engineer.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
GAS AND WATER SHUTOFF, ADJ, MODIFIED

ROWE: COS 1 of 1 4-6-26

a. Description. This work shall be done in accordance with sections 403 and 823 of the Standard Specifications for Construction and as modified herein.

This work shall include the proper setting and adjusting of existing water and gas valve castings and covers to the grades as directed by the Engineer.

b. Materials. Provide material in accordance with subsections 403.02 and 823.02 of the Standard Specifications for Construction.

c. Construction. This work shall be performed only when all asphalt has been placed. The adjacent pavement shall be cored and placed to the original elevation with concrete, grade 3500 per the detail in the plans.

d. Measurement and Payment. The completed work as measured for **Gas and Water Shutoff, Adj, Modified** will be paid for at the contract unit price for the following contract item:

Pay Item	**Pay Unit**
Gas and Water Shutoff, Adj, Modified	Each

Gas and Water Shutoff, Adj, Modified will be measured by the unit of each and will be paid for at the contract unit price per each. This price shall be payment in full for all labor, equipment, and materials needed to accomplish this work.

Payment for coring, sawcutting, removal, and replacement of pavement adjacent to the adjusted gas or water shutoff is considered included in the payment for **Gas and Water Shutoff, Adj, Modified.**

CITY OF SAGINAW

SPECIAL PROVISION
FOR
ALTERATIONS TO THE MUNICIPAL COMBINED SEWER SYSTEM

ROWE: COS 1 of 7 4-6-26

a. Description. This work consists of excavating, furnishing, and placing combined sewer pipe, drainage structures, manholes, appurtenances, and trench backfill in accordance with sections 402 and 403 of the Standard Specifications for Construction, MDOT Standard Plan R-1-Series and R-83-Series, and special details as shown on the plans except as herein modified.

b. Materials. The Contractor shall furnish all pipe, manholes, and appurtenances. All material shall meet the requirements of the MDOT and the City of Saginaw.

1. Sewer Pipe

A. Plastic Pipe shall meet or exceed ASTM D3034 SDR-26 or ASTM D2241 SDR-26 specifications for PVC integral gasket sewer pipe, depending on pipe diameter. Material for backfill shall be in accordance with Standard Plan R-83 series and the special details within the construction plans.

B. Reinforced Concrete pipe shall be ANSI/ASTM C76 premium joint rubber O-ring gaskets.

2. Pipe Accessories. Fittings and Branch Connections shall be the same material as pipe, molded or formed to suit pipe size and end design, in required tee, bends, elbows, wyes, cleanouts, reducers and other configurations required.

3. Combined Sewer Manholes

A. Reinforced, precast concrete sections conforming to ASTM C-478. All mainline manholes shall be precast with antimicrobial additives such as ConmicShield®, ConBlock MIC, MasterLife AMA, or equal, as approved by the Engineer.

(1) Antimicrobial additive shall be an EPA registered material and the registration number shall be submitted for approval prior to use in the project.

(2) The amount to be used shall be as recommended by the manufacturer of the antibacterial additive. This amount shall be included in the total water content of the concrete mix design.

(3) The additive shall be added into the concrete mix water to ensure even distribution of the additive throughout the concrete mixture.

(4) The antibacterial shall be used by factory certified precast concrete plants.

(5) A letter of certification from the precaster to the project Owner stating that the correct amount and correct mixing procedure were followed for all antimicrobial concrete shall be required.

(6) A color identifier-indicator shall be applied to the interior of each piece and plainly stencil the name of the antimicrobial additive on the interior and exterior of each piece.

B. O-Ring rubber gasket premium type joints.

C. Half-inch diameter galvanized pipe nipple with cap through the manhole wall at an elevation equal to the top of the pipe. Nipple shall extend 3 inches into the manhole.

D. Connect main line and branches to manholes utilizing a flexible neoprene gasket with stainless steel band.

(1) Kor-N-Seal, by national Pollution Control Systems, Inc.

(2) Model Ps10, by Press Seal Gasket Corp.

(3) A-Lok, by A-Lok Products, Inc.

(4) Or equal, as approved by Engineer.

E. All combined sewer manhole sections shall be constructed such that the top of the pre-cast cone section shall have a minimum of 3-inch-high vertical sealing surface that is smooth and free of any form offsets or excessive honeycomb.

F. External or internal Chimney seals shall be installed on all Combined Sewer Manholes. External seals shall be a heat-shrinkable sleeve system, or a rubber seal system, such as Wrapid Seal, Canusa, Infi-Shield, Cretex “X-85”, or an Engineer-approved equal. Internal seals if used, shall be as recommended and manufactured by Cretex Specialty Products, or equal, as approved by the Engineer.

G. Mortar shall be in accordance with section 1005 of the Standard Specifications for Construction. Mortar for mainline manholes shall use antimicrobial additive ConmicShield®, ConBlock MIC, MasterLife AMA, or equal, as approved by the Engineer.

(1) Antimicrobial additive shall be an EPA registered material and the registration number shall be submitted for approval prior to use in the project.

(2) The amount to be used shall be as recommended by the manufacturer of the antibacterial additive. This amount shall be included in the total water content of the concrete mix design.

(3) The additive shall be added into the concrete mix water to ensure even distribution of the additive throughout the concrete mixture.

(4) The ready-mix supplier shall submit a letter of certification to the project Owner stating that the correct amount and correct mixing procedure were followed for all antimicrobial concrete.

(5) The antibacterial shall be used by factory certified plants.

(6) After the concrete takes initial set, a color identifier-indicator shall be applied to the interior surface.

H. Bentonite Waterstops: Continuous 1- by ¾-inch strips, containing 75 percent bentonite by weight. Manufactured by Volclay, Greenstreek, Henry or equal.

4. **Dr Structure, __ inch dia, Modified**

A. Reinforced, precast concrete sections conforming to ASTM C-478.

B. O-Ring rubber gasket premium type joints.

C. Connect branches to drainage structures utilizing a flexible neoprene gasket with stainless steel band.

(1) Kor-N-Seal, by National Pollution Control Systems, Inc.

(2) Model Ps10, by Press Seal Gasket Corp.

(3) A-Lok, by A-Lok Products, Inc.

(4) Or Equal as approved by the Engineer

D. All drainage structure sections shall be constructed such that the top of the pre-cast cone section shall have a minimum of 3-inch-high vertical sealing surface that is smooth and free of any form offsets or excessive honeycomb.

E. External seals shall be a heat-shrinkable sleeve system, or a rubber seal system, such as Wrapid Seal, Canusa, Infi-Shield, Cretex “X-85”, or an Engineer-approved equal. Internal seals if used, shall be as recommended and manufactured by Cretex Specialty Products, or equal, as approved by the Engineer.

5. Bedding materials shall conform to the following:

(1) Granular Material Class II, III, IIIA 902

(2) Aggregate 6A 902

(3) Geosynthetics 910

A. PVC Pipe. MDOT 6A Aggregate to 6 inches above top of pipe and MDOT Class II for the remainder of the trench.

B. Reinforced Concrete Pipe. Class II as indicated by the trench type.

C. Filter Fabric. Place filter fabric over 6A Aggregate for the complete width of the trench.

c. Construction. Install all pipe, drainage structures, and appurtenances in accordance with sections 402 and 403 of the Standard Specifications for Construction as shown on the plans and as specified herein.

1. Execution.

A. Existing concrete and asphalt pavements shall be cut back so that the opening is at least 1 foot wider on each side than the width of the trench.

B. Unless otherwise permitted by the Engineer, not more than 200 feet of trench shall be open at one time in advance of the sewer.

C. Verify that trench cut is ready to receive work and excavations, dimensions, and elevations are as indicated on drawings.

D. Hand trim excavations to required elevations. Correct over excavation with MDOT 6A Aggregate fill.

E. Remove large stones or other hard matter, which could damage pipe or impede consistent backfilling or compaction.

F. Dig out for pipe bells.

G. Place bedding material at trench bottom, level materials in continuous layer not exceeding 6 inches compacted depth, compact to 95 percent.

H. Maintain optimum moisture content of bedding material to attain required compaction density.

2. Installation – Pipe.

A. Install pipe, fittings, and accessories in accordance with ASTM C12 or ASTM C1479 for rigid pipe and ASTM D2321 for flexible pipe and manufacturer's instructions. Seal joints watertight.

B. Lay pipe to the line and grade indicated on the drawings by the use of a laser beam alignment method proven reliable and operated by competent experienced personnel.

C. P.V.C. Pipe Bedding.

(1) Install bedding material MDOT 6A compacted crushed limestone to a depth of a quarter of the outside pipe diameter, but not less than 4 inches under the pipe barrel.

(2) Bring first lift of MDOT 6A compacted crushed limestone half way up the side of the side of the pipe and compact with mechanical tamping tools.

(3) Bring next lift of MDOT 6A compacted crushed limestone to the top of the pipe and compact.

(4) Bring next lift of MDOT 6A compacted crushed limestone to 6 inches above pipe and compact.

(5) Place filter fabric over final lift of bedding material (MDOT 6A) through the roadways or areas receiving complete sand backfill.

(6) Compacted Class II granular material (sand) shall extend above the top of the pipe for the remainder of the trench.

(7) Remaining lifts shall be placed per the Standard Specifications for Construction.

D. Reinforced Concrete Pipe.

(1) Install bedding, Class II granular material, to a depth of a quarter of the outside pipe diameter, but not less than 4 inches under the pipe barrel.

(2) Bring first lift of Class II granular material half way up the side of the pipe and compact with mechanical tamping tools.

(3) Bring next lift of Class II granular material to the top of the pipe and compact.

(4) Third lift Class II of compacted granular material shall extend 12 inches above the top of the pipe.

(5) Remaining lifts shall be placed per the Standard Specifications for Construction.

E. Do not displace or damage pipe when compacting.

F. Connect to municipal sewer system, upon approval to do so by the Engineer.

3. Branch Connections or Service.

A. Install according to manufacturer's instructions.

B. Install the size indicated on the drawings.

C. Install at locations indicated on the drawings or as directed by the Engineer.

D. Install according to the details on the drawings.

E. Place plugs in connections which will not have pipe connected to them immediately. Plugs shall be capable of withstanding the pressures of air testing.

F. Lay branch connections and service lying within the trench on 2,500 psi concrete from the bottom of the trench to the spring line of the pipe with a thickness equal to 6 inches greater than the diameter of the pipe.

G. Verify inverts of proposed services.

H. All existing taps and connections to the combined sewer mainline shall remain in place unless otherwise approved or required by the Engineer. If new taps or connections are required, the Contractor shall do so utilizing Logan Clay Tile T or Y-Saddles (with flange) or approved equal. All T or Y saddles shall be installed according to manufacturer's recommendations and appropriate standards. Fernco Donuts will also be required to make connection from proposed SDR-26 sewer lead to manufactured T or Y saddles.

4. Installation – Manholes and Drainage Structures.

A. Install according to manufacturer's instructions.

B. Trim bottom of excavation clean and smooth to correct elevation.

C. Install precast bases on 6 inches of MDOT 6A aggregate.

D. Form and place reinforced concrete base to correct elevation.

E. Install stubs and branch connections as indicated.

F. Bed stubs and branch connection with MDOT 6A aggregate.

G. Install barrel sections, cone section, and frame and cover to required grade.

H. All joints shall be sealed. All new and existing pipe penetrations shall be sealed with bentonite waterstop and utilizing flexible neoprene gaskets with stainless steel bands. PVC waterstop shall be installed per manufacturer's recommendations. Joints shall be made with a Teflon surfaced welding iron.

I. Maximum height from top of cone to bottom of casting shall be 12 inches.

J. Bolt castings. Cover casting with mortar from cone to within 1.5 inches of top of casting.

K. Flow channels through manholes shall be constructed using pipe material as shown within the plans, or using concrete flow channels and benches, constructed with a minimum 4000 psi concrete with antimicrobial additive ConmicShield®, ConBlock MIC, MasterLife AMA, or equal, as approved by the Engineer. The Engineer prior to construction shall approve any and all proposed construction methods. All benches and any concrete used in the manholes shall be constructed using the antimicrobial additive ConmicShield®, ConBlock MIC, MasterLife AMA, or equal as per manufacturer's recommendations.

5. Testing.

A. The specified pipe, manholes, and appurtenances will be visually inspected.

B. All joints, connections, pipe, manholes, and catch basins shall be water tight from infiltration as applicable.

C. All joints in reinforced concrete pipe shall be driven home with a tolerance of ¼-inch. Any joints left open beyond this tolerance shall be grouted with non-shrink grout, if approved by the Engineer.

D. All joints in PVC pipe shall be properly seated.

E. Compaction testing and frequency of testing shall be according with the Standard Specifications for Construction.

F. If tests indicate work does not meet specified requirements, remove work, replace, and retest at no cost to Owner.

G. Since the sewer pipe will not be tested, the City of Saginaw inspectors shall visually inspect all pipes before backfilling the trench. Pipe that has not been visually inspected before backfilling shall be re-excavated, inspected, and backfilled again at no additional cost to the Owner.

H. The Contractor shall employ the services of a company specializing in videotaping services to provide an internal television inspection of the main line sewers installed

under this contract. The Engineer shall be notified of the time of inspection, in advance, and shall witness the inspection. The Contractor shall clean the sewers and manholes prior to the internal inspection, and provide access to the sewers for internal inspection and correct deficiencies made apparent by the internal inspection prior to final acceptance of the project. The cost of videotaping shall be considered incidental to installing the specified sewer pipe.

The taping shall be of professional quality and shall clearly show all connections to the sewer pipe. All taping shall be done using DVD format of professional quality. The Contractor, at no additional charge to the Owner, shall refilm any portion of the DVD which is not acceptable to the Engineer. Submit two copies of the post-construction DVD to the City of Saginaw.

d. Measurement and Payment. The completed work as measured for the following pay items, including all materials, labor, and equipment, will be paid for at the contract unit price for the following pay item.

Pay Item	**Pay Unit**
Dr Structure, _ inch dia, Modified	Each

Dr Structure, __ inch dia, Modified will be measured and paid for at the contract unit price each which shall be payment in full for all labor, material, rubber seals, excavation, backfill, boots, additional depth of structure, grade rings, and equipment needed to accomplish this work.

Dewatering operations, trench, and or pipe associated with alterations to the municipal combined sewer system will not be paid for separately, but will be included in the contract unit prices bid for other related contract items.

Temporary pumping of sanitary flow associated with alterations to the municipal combined sewer system will not be paid for separately but will be included in the contract unit prices bid for other related contract items. This includes providing all pumping equipment, pipes, shoring, warning signs, traffic control, and any other related items of work and materials to accomplish this work.

Any existing sewer leads that are less than 12 inches in diameter and are not to be reconstructed/reconnected will be bulk headed. Sewer bulkheads for pipes less than 12 inches in diameter or constructed as part of installing, abandoning, or removing drainage structure and sewer pipe as shown on the plans will not be paid for separately, but will be included in the contract unit prices for other related contract items.

Removal of existing combined sewer system manholes and catch basins will be paid for as **Dr Structure, Rem.**

CITY OF SAGINAW

SPECIAL PROVISION
FOR
CONCRETE PAY ITEMS

ROWE: COS 1 of 1 4-6-26

a. Description. This work shall be in accordance with sections 602, 706, 801, and 802 of the Standard Specifications for Construction except as modified herein. This special provision indicates the type of concrete mixture to be used for pay items related to concrete.

b. Materials. Materials for all concrete items, except the stair case concrete, shall be Concrete, Grade 3500 Six Full Sack Mix, in accordance with sections 1004 of the Standard Specifications for Construction. Materials for stair case concrete shall be Grade 4500 Seven Full Sack Mix, in accordance with sections 1004 of the Standard Specifications for Construction.

c. Construction. Construction shall be according to the Standard Specifications for Construction or as directed by the Engineer in the field.

Prior to beginning construction, the Contractor shall submit the name and plant location of the proposed concrete supplier for the project.

Prior to beginning construction, the Contractor shall submit mix designs for the proposed concrete mixtures proposed for use on the project for the Engineer to review.

A 4-inch minimum sand base shall be constructed for all driveways and compacted to 95 percent of maximum unit weight. Sand base shall be MDOT Class II granular material.

d. Measurement and Payment. Payment for the completed work for the various concrete pay items in this contract using a six full sack mix shall be at their individual contract unit prices as follows.

Pay Item	**Pay Unit**
Driveway, Nonreinf Conc, _ inch, Modified	Square Yard
Curb and Gutter, Conc, Det F2, Modified	Foot
Curb Ramp Opening, Conc, Modified	Foot

Payment for each shall include the material, labor, and equipment necessary to construct each item according to the plans, specifications, and any special provisions included with this contract, including 4-inch sand subbase under all driveways. Measurement for each shall be in accordance with Standard Specifications for Construction. The Engineer will measure Curb Ramp Opening, Conc, Modified in place along the joint of the curbing with the pavement including transitions to and from adjacent standard full height curb and gutter cross section.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
CONCRETE SIDEWALK

ROWE: COS 1 of 2 4-6-26

a. Description. This work shall consist of furnishing and installing sidewalk and sidewalk ramps at intersections in accordance with section 803 the Standard Specifications for Construction and MDOT Standard Plan R-28-Series, except as modified herein.

b. Materials. Materials provided for **Sidewalk, Conc, _ inch, Modified** and **Curb Ramp, Conc, _ inch Modified** shall be in accordance with section 803.02 of the Standard Specifications for Construction with the following exception: Materials for all concrete items shall be Concrete, grade 3500 Six Full Sack Mix, in accordance with section 1004 of the Standard Specifications for Construction.

Detectable Warning Surface, Modified shall be cast-iron detectable warning inlays installed, according to the manufacturer's instructions and MDOT Standard Plan R-28 Series. Color shall be black with asphaltic dip finish, as approved by the Engineer.

c. Construction. Prior to beginning construction, the Contractor shall submit the name and plant location of the proposed concrete supplier for the project.

Prior to beginning construction, the Contractor shall submit mix designs for the proposed concrete mixtures proposed for use on the project for the Engineer to review.

A 4-inch minimum sand base shall be constructed for all sidewalks compacted to 95 percent of maximum unit weight. Sand base shall be MDOT Class II granular material.

Construction of **Curb Ramp, Conc, _ inch, Modified** shall be per MDOT Standard Plan R-28 Series.

All sidewalk replaced through driveways shall match proposed driveway depth.

d. Measurement and Payment. The completed work will be paid for at the contract unit price for the following pay item(s):

Pay Item	**Pay Unit**
Sidewalk, Conc, _ inch, Modified	Square Foot
Curb Ramp, Conc, _ inch, Modified	Square Foot
Detectable Warning Surface, Modified	Foot

Curb Ramp, Conc, _ inch, Modified and **Sidewalk Ramp, Conc, _ inch, Modified** of the type called for on the plans, will be measured in place by area in square foot.

Payment for the 4-inch minimum sand base shall be included in the contract unit price for all sidewalk items.

The contract unit price for sidewalk and ramp includes placement of sand base, furnishing, placing, and curing concrete; furnishing and placing expansion joints; furnishing and placing backfill regardless of amount; and cleanup.

All grading required to meet ADA standards shall be included in the items listed above.

All labor, equipment, and materials necessary to protect the concrete sidewalk from weather damage and/or vandalism shall be considered included in the pay items above.

Detectable Warning Surface, Modified will be measured in place by the foot. Payment includes all labor, materials, and equipment necessary to install detectable warning surface.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
MAINTAINING TRAFFIC

ROWE: COS 1 of 2 4-6-26

a. Description. This work shall be in accordance with the requirements of sections 104.07C, 104.11, 812, and 922 of the Standard Specifications for Construction and as herein specified. The Contractor is advised that the 2011 Michigan Manual on Uniform Traffic Control Devices is hereby established as governing all work in connection with traffic control devices, barricade lighting, etc., required on this project.

The Contractor shall furnish, erect, maintain, and upon completion of the work, remove all traffic control devices and barricade lights within the project limits and around the perimeter of the project.

The Contractor shall provide 24-hour emergency contacts to the Engineer. During non-working periods, the Contractor shall have a maximum one-hour response time for addressing issues within the work zone.

Hancock Street shall be closed to through traffic throughout the duration of the project between Michigan Avenue and Hamilton Street and between Hamilton Street and Niagara Street. Ames Street shall be closed to through traffic throughout the duration of the project between Michigan Avenue and Hamilton Street and between Hamilton Street and Niagara Street. Hancock Street and Ames Street through traffic shall be detoured around the project area as shown in the plans.

Two lanes, 10 feet in width, shall be provided on Niagara at all times. One temporary lane, 10 feet in width, shall be provided at all times for the maintenance of local traffic on Hancock Street and Ames Street. Open trenches overnight shall be approved by the Engineer. The Contractor may not work after dark unless approved by the Engineer and adequate lighting is provided. Work on weekends shall be approved by the Engineer.

The Contractor shall furnish properly equipped traffic regulators when deemed necessary by the Engineer.

Walks, driveways, and entrances to buildings shall not be unnecessarily blocked. Vehicular access shall be maintained to all commercial properties as directed by the Engineer. Unless otherwise specified herein, construction shall be completed in such a manner as to maintain the required entrance width for traffic at all times. Payment for temporary gravel shall be paid by the contract item Maintenance Gravel, Modified.

Where directed by the Engineer, the requirements for the maintenance of through traffic, as directed by the Standard Specifications for Construction, shall also apply to the maintenance of local traffic.

Payment for temporary signs, barricades, and lighted arrows will be based on maximum number of units required at any one time for the entire project. Moving of units from one location to another is considered included in the appropriate pay item.

Protection for and protection of pedestrian traffic shall be maintained at all times.

Access for emergency vehicles shall be maintained at all times.

Locations of all temporary signing shall be approved by the Engineer prior to placement.

All diamond shaped warning signs shall be 36 by 36 inches. All temporary signs shall be mounted at a minimum 7-foot bottom height. All temporary signs used for the detour route, except for those placed at Type III Barricades, shall be installed on driven posts.

For HMA paving, no traffic shall be allowed on the surface being placed until rolling has been completed and the surface has cooled sufficiently to prevent damage from traffic. The Contractor shall provide traffic regulators in sufficient number to maintain traffic as described herein, and to keep traffic off sections being surfaced, and provide for safe travel at all times, as directed by the Engineer.

b. Construction Influence Area (CIA). The CIA of the Hancock Street and Ames Street project shall include the area within the right-of-way of Hancock Street and Ames Street within the limits of the furthest placed advance construction signing required for this project, within the right-of-way of the roads used for the detour route, and grading permit areas. The CIA will also include the right-of-way of all intersecting roadways within the project limits for a distance of 250 feet west and east of Hancock Street and Ames Street or within the limits of the furthest placed advance construction signing required for this project.

c. Specific Requirements. Any damage occurring to the subgrade from exposure to the elements will be undercut and removed and replaced in accordance with the Subgrade Undercutting, Type _ pay item in accordance with Standard Specifications for Construction at the Contractor's expense.

The Contractor will be responsible for coordinating construction activities with all local businesses, keeping them advised, in advance of any construction activities that will affect vehicular and pedestrian movements to their business.

No work shall be performed between the hours of 10 p.m. and 7 a.m. in accordance with the City ordinance. No deviations from these restrictions will be allowed unless otherwise approved by the Engineer.

d. Measurement and Payment. Payment for Maintaining Traffic shall be in accordance with subsection 812.04 of the Standard Specifications for Construction for the work items listed on the plans and in the proposal, which shall be payment in full for all labor, material, and equipment needed to accomplish the work.

Payment for Temporary Signs, Plastic Drums, and Barricades shall be made based on the maximum quantity in place at any one time as determined by the Engineer for the entire project.

Any additional signing or maintaining traffic devices required to expedite the construction or facilitate the Contractor's operations shall be at the Contractor's expense.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
TURF ESTABLISHMENT, PERFORMANCE

ROWE: COS 1 of 5 4-6-26

a. Description. Section 816 of the Standard Specifications for Construction is deleted and replaced by this special provision. The Contractor shall be responsible for the performance and quality of turf growth in the areas indicated on the plans and as identified by the Engineer. The Contractor shall comply with all state and federal laws and regulations in completing this work.

The Contractor shall establish a durable, permanent, weed-free, mature, perennial turf. The work consists of fundamental turf work, including but not limited to topsoiling, seeding, mulching, erosion control, maintenance, and repair of turf as described herein during the life of the contract.

The Contractor shall choose and implement proven turf establishment industry practices; provide all necessary labor and equipment; select and provide all turf establishment materials; and control erosion and any subsequent sedimentation at all times.

The Contractor shall be responsible for a site analysis and its interpretation for their own use to ensure compliance with this special provision. The site analysis will take into consideration topsoil needs, fertilizer and pH requirements, seed mix, existing and future soil moisture levels, slopes and grades, required erosion control items and devices, maintenance requirements, local highway snow deicing practices, and any other characteristics that influence and affect turf establishment.

Subsection 107.11 of the Standard Specifications for Construction is revised relative to the Contractor's responsibility for the repair of turf establishment work as follows. The Contractor shall be responsible, at no additional cost to the contract, for the repair of turf establishment work occasioned by storm events up to and including 3 inches of rain in a 24-hour period as documented by local meteorological data submitted to the Engineer for review and approval. All other portions of subsection 107.11 remain unchanged.

1. Contractor Turf Establishment Experience Requirements. The Contractor shall possess valid Michigan Department of Agriculture commercial pesticide applicator's certificate for right-of-way category.

All herbicide applications shall be made by a commercial applicator licensed in the State of Michigan. All individuals applying pesticides shall possess a valid Michigan Department of Agriculture commercial pesticide applicator's certificate for the appropriate category. All application procedures and materials shall meet all federal, state, and local regulations.

At least 10 days prior to start of turf establishment, the Contractor performing the turf establishment work shall provide the Engineer with documentation that they will meet one or both of the following requirements.

A. At least one person employed by the Contractor and assigned to the job site shall have a degree or certificate in Turf Management, Horticulture, or related field.

B. At least one person employed by the Contractor and assigned to the job site shall have at least five (5) years of experience in roadside turf establishment.

b. Materials. The Contractor shall use topsoil, seed, mulch, pesticide, herbicide and/or mulch blankets, and any other unique erosion control materials as necessary to fulfill this special provision, as detailed in the plans, and as indicated in the work plan. The Contractor may use additional materials as necessary to meet the standards set forth for turf establishment in this special provision. The use of any sod on the project requires the prior approval of the Engineer and if approved, may be used at limited site locations only.

Selection of all materials is the responsibility of the Contractor with the following minimum conditions.

1. Soil. The Contractor shall provide furnished or salvaged topsoil which may be blended compost that will provide vigorous growth. It shall be humus bearing and of not less than 4 inches in depth. It shall be free of stones larger than 1 inch in diameter and other debris. The finished slope shall be trimmed and graded according to subsection 205.03.N of the Specifications for Construction.

2. Seed. The Contractor shall use a seeding mixture that is composed of a blend of four or more species of perennial grass. All species and their cultivars or varieties shall be guaranteed hardy for Michigan.

The following is a list of recommended species of perennial grasses: Kentucky Bluegrass, Perennial Ryegrass, Hard Fescue, Creeping Red Fescue, Chewings Fescue, Turf-type Tall Fescue, Buffalo grass, and Alkaligrass-Fults Puccinellia distans. The cultivars or varieties of grasses selected shall be disease and insect resistant and good color. No one species in the blend shall be more than 25 percent of the mixture by weight. No one species in the blend shall be less than 5 percent of the mixture by weight. No grass species selected shall be considered noxious or objectionable, such as Quack Grass, Smooth Brome, Orchard Grass, Reed Canary Grass, and others.

A. The seed shall be legally saleable in Michigan. The seed product shall not contain more than 10 percent inert materials. The seed source shall be from a MDOT approved certified vendor.

B. The species and varieties of seed shall be adapted to all site conditions, to the site use, and to the soils, moisture, and local climate. Site use may include but is not limited to detention pond, wildlife habitat, playground, wetlands, forested wetland, rural roadside, urban roadside, and highly maintained front yard.

C. At least two of the species in the mixture proposed to be planted within 15 feet behind the curb or the shoulder shall be salt tolerant.

3. Mulch. Seeded areas shall be mulched with the appropriate materials for the site conditions, shall promote germination and growth of seed and to mitigate soil erosion and sedimentation.

4. Herbicides. The Contractor shall comply with all federal, state, and local laws as noted in the Standard Specifications for Construction, section 107. A weed control application will require the Contractor to make proper notifications and/or postings as per label and MDA

requirements for all locations that will be sprayed. The Contractor will also notify selected City of Saginaw staff 48 hours prior to any applications being made. The Contractor shall furnish and apply herbicide(s) as needed. It shall be the Contractor's responsibility to select the herbicide(s) and the rate at which it will be used. The work and herbicide(s) shall be approved by the Engineer prior to the application of the material. A spray log will be required to be completed and submitted to the project office, each day an application is made.

No water shall be drawn from any waterway (i.e. river, ditch, creek, lake etc.) that is located on any state, county, or municipal right-of-way for mixing with herbicides.

5. Fertilizers. The Contractor shall furnish and apply fertilizer(s) as needed. It shall be the Contractor's responsibility to select the fertilizer(s) and the rate at which it will be used. The work and fertilizer(s) shall be approved by the Engineer prior to the application of the material.

6. Water. The Contractor shall furnish and apply water from an approved source as specified in the work plan at a rate of promote healthy growth.

c. Construction. The Contractor shall be responsible for all work and any and all construction methods used in completing this work. Any part of the Standard Specifications for Construction or MDOT Standard Plans chosen to be implemented by the Contractor shall not imply responsibility on the part of the City of Saginaw for acceptability of the Contractor's construction methods or for the quality of the Contractor's work outcome at any time.

1. Inspection of the work. The Contractor shall be responsible for all inspection of turf establishment work.

The Contractor shall use a Contractor's Daily Report approved by the Engineer to report inspections made and to document turf establishment work performed on this project. The Contractor's Daily Report shall be completed and submitted to the Engineer when any work performed under this special provision is in progress.

The Contractor's Daily Report shall be accompanied by all necessary materials documentation including tests slips, certifications, etc.

The Engineer shall determine the acceptability of these reports in terms of their completeness and accuracy. The Engineer reserves the right to verify all submitted measurements and computations. Failure by the Contractor to submit acceptable and timely reports to the Engineer may result in withholding of progress pay estimates on turf-related items until such time as reports are submitted in an acceptable and timely fashion.

The Engineer reserves the right to inspect the project for any reason in accordance with subsection 104.01 of theStandard Specifications for Construction, including the fulfillment of other inspection requirements such as soil erosion and sedimentation control, NPDES, etc. These inspections made by the Engineer shall not relieve the Contractor of the inspections required by this special provision or the Contractor's responsibilities for erosion control and turf establishment.

2. Erosion Control. Erosion shall be controlled at all times according to section 208 of the Standard Specifications for Construction. Control of soil erosion is the responsibility of the Contractor. However, sedimentation controls shall be placed as indicated on the plans or as directed by the Engineer. The site shall be continuously monitored by the Contractor for

needed erosion repair from any cause as addressed in the contract documents. All eroded areas shall be returned to their original grade as detailed in the contract documents.

If sedimentation occurs in drainage structures or any watercourse or water containment area, corrective action shall be taken immediately and all disturbed areas contributing to this sedimentation shall be restored within 24 hours of erosion occurrence. Sediment deposited as a result of the Contractor's inability to control the soil erosion shall be removed at the Contractor's expense.

The Contractor shall reimburse the City of Saginaw for any costs levied against the City of Saginaw, such as fines, environmental costs, costs for remedies required, or any other costs as a result of the Contractor's failure to comply with this special provision and with all federal, state, and local laws.

3. Erosion Repair. The Contractor is responsible for all repair and liable for all consequences (legal, monetary, or other) associated with erosion or sedimentation damage to finished or unfinished work.

All erosion occurrences and the repairs made by the Contractor shall be reported to the Engineer in the format and at the frequency required by the Engineer. Any erosion, displacement, or disturbance to ongoing or completed work by any cause shall be repaired by the Contractor at no additional cost to the contract unless otherwise noted herein.

The Contractor shall be responsible and liable for all traffic control and safety measures required to repair and protect damaged turf areas. Any eroded area that may affect the support of the roadbed or safety of the public shall be repaired within 24 hours of the erosion occurrence.

Protection devices such as barriers, directional sign/signals, temporary fence, or any other safety measures shall be placed by the Contractor immediately after any erosion damage occurs that has the potential of endangering the public. In these instances, the Contractor shall, within 24 hours of the occurrence of the damage, provide the Engineer with a written summary of the immediate action taken and describing the repairs made and the safety measures taken.

4. Final Acceptance Parameters. Before final acceptance of the turf establishment work, all of the following minimum parameters shall be met throughout all exposed areas of the project designated on the plans or identified by the Engineer as turf establishment areas. There shall be no exposed bare soil and the turf shall be fully germinated, erosion free, weed free, disease free, dark green in color, and in a vigorous growing condition.

The Engineer will notify the Contractor of the dates and times of all acceptance inspections. The Contractor may accompany the Engineer while these inspections are being made. If the Contractor does not agree with the decision made by the Engineer, the Contractor can request an inspection by a mutually agreed upon third party (Michigan State University Extension service or other). A joint inspection, including the Engineer, the Contractor, and the third party, will be scheduled. All expert fees and expenses charged by the third party will be paid by the Contractor.

Any and all claims for extra compensation shall be according to subsection 104.10 of the Standard Specifications for Construction.

d. Measurement and Payment. The completed work as measured will be paid for at the contract unit price for the following contract item:

Pay Item	**Pay Unit**
Turf Establishment, Performance	Square Yard

Turf Establishment, Performance shall be measured in place by area in square yards. All materials, labor, and equipment required or selected by the Contractor to install, maintain, inspect, repair, and meet the acceptance parameters for turf establishment specified in this special provision, including preparation, updating, and submittal of the Contractor's work plan and Contractor's Daily Reports, will not be paid separately but will be considered included in the contract unit price bid for **Turf Establishment, Performance.**

Repairs made to damaged turf establishment areas as a result of a documented storm by local meteorological data resulting in rainfall amounts of more than 3 inches in a 24-hour period will be paid for as an increase to original quantities as described in subsection 109.07 of the Standard Specifications for Construction.

The following schedule of payment applies to work performed according to this special provision. Upon completion of topsoil surfacing stage, 50 percent of the authorized amount for **Turf Establishment, Performance** will be paid to the Contractor. The remaining authorized amount will be paid upon completion of all other work necessary to comply with this special provision and to meet all final acceptance parameters for **Turf Establishment, Performance.**

CITY OF SAGINAW

SPECIAL PROVISION
FOR
MONUMENT BOX, MODIFIED

ROWE: COS 1 of 1 4-6-26

a. Description. This work shall be done in accordance with section 821 of the Michigan Standard Specification for Construction and as modified herein.

b. Materials. The Contractor shall furnish all materials. The monument box to be supplied by the Contractor shall be in accordance with MDOT Standard Plan R-11-Series.

c. Construction. This item shall include placing monument boxes as designated on the plans or as directed by the Engineer. This work shall be performed only when all asphalt has been placed. The monument box shall be set at the appropriate grade so as to be flush with the asphalt top course. The castings shall be supported on a full mortar bed, and constructed such that it will be held firmly in place. The adjacent pavement shall be cored and placed to the original elevation with concrete, grade 3500.

d. Measurement and Payment. The completed work as measured **for Monument Box, Modified** will be paid for at the contract unit price for the following contract item:

Pay Item	**Pay Unit**
Monument Box, Modified	Each

Monument Box, Modified will be measured by the unit Each and will be paid for at the contract unit price per Each, which price shall be payment in full for all labor, equipment, and materials needed to accomplish this work.

Payment for the coring and replacement of pavement adjacent to the installed monument box is considered included in the payment for **Monument Box, Modified.**

CITY OF SAGINAW

SPECIAL PROVISION
FOR
ALTERATIONS TO THE MUNICIPAL WATER SYSTEM

ROWE: COS 1 of 22 4-6-26

a. Description. This work shall consist of installing water main, fittings, hydrants, valves, water services, and appurtenances of the nominal diameter shown on the plans. This work includes the furnishing of all labor, equipment, and materials required for excavation, installation, restraint, testing, disinfection, and backfilling as shown on the plans and specified herein and in accordance with American Water Works Association (AWWA), Michigan Department of Environment, Great Lakes, and Energy (EGLE), and City of Saginaw Standard Requirements. Any change or deviation from the plans must be approved in writing by the Engineer.

The work also includes removal of existing water mains and appurtenances where called for on the plans. All removed materials which the City of Saginaw does not designate for salvage, shall become the property of the Contractor and shall be, disposed of as specified in subsection 205.03.P of the Standard Specifications for Construction. All removed valves and hydrants will be salvaged and returned to the City of Saginaw.

b. Materials. The Contractor shall furnish all pipe materials required for the contract. All materials shall meet the requirements of MDOT, AWWA, EGLE, and the municipality, as specified, and the *January 2014 Lead Free Requirements* of the *Safe Drinking Water Act*. Products manufactured in the State of Michigan shall be used when at all possible. When multiple products have similar performance, price, and other characteristics, the Michigan product shall be selected. If Michigan products are not available, products manufactured in the United States of America shall be used whenever possible. All materials supplied for this project shall be manufactured within at least two years of the construction start date unless otherwise approved by the Engineer.

1. Water Main. All water main 16 inches or larger shall be ductile iron pipe. Unless specifically called for on the plans, all water main 12 inches and smaller may be either ductile iron pipe or Polyvinyl Chloride (PVC) C909.

   A. Ductile Iron. The ductile iron pipe shall be manufactured in accordance with ASTM Specification A-339, pipe Class 52 or Pressure Class 350, of the sizes shown on the plans. All pipe shall be lined with a standard thickness cement mortar lining sealed with a bituminous seal coat in accordance with AWWA Specification C104 (ANSI A21.4), unless otherwise specified. The outside of the pipe shall be coated with standard bituminous seal. The metal thickness class, net weight of the pipe without lining, the nominal size, and the manufacturer's identifying symbol shall be clearly marked on each length of pipe. All ductile iron pipe shall be wrapped in polyethylene in accordance with ANSI/AWWA C105/A21.5. The joint for the pipe shall be push-on or mechanical joint with a compressed rubber gasket seal such as Bell-Tite, or Tyton. All joints shall be fitted with wedges. Material, number, and installation shall be per manufacturer's recommendation. In areas where non-hazardous contaminated soil is suspected, ductile iron pipe with Nitrile gaskets and poly wrap shall be used.

B. PVC. PVC pipe shall meet the requirements of ANSI/AWWA C909. Pipe shall have a ratio of diameter to wall thickness (DR) of 18, unless noted otherwise on the plans or on the proposal. Pipe shall meet both ANSI/NSF Standard 61 and ANSI/NSF Standard 14. Pipe shall be marked with "NSF PW" or otherwise indicate it meets NSF 14 and 61. The pipe manufacturer and class shall be marked on each length of pipe. Joints for pipe shall be push-on type with elastomeric gaskets meeting the requirements of ASTM D3139. All PVC pipe shall come with a 50-year manufacturer's warrantee.

C. The fittings and plugs shall meet all applicable requirements of AWWA C153 (ANSIA21.53) specifications. Cement mortar linings for fittings shall be in accordance with AWWA C104. The joint for the fittings shall be mechanical joint with elastomeric gasket in accordance with ASTM D3139 and ASTM F477.

D. All directionally bored ductile iron pipe shall be Flex Ring restrained joint pipe as manufactured by American or Engineer approved equal.

E. All directionally bored PVC pipe shall be Certa–LoK restrained joint pipe as manufactured by CertainTeed or Engineer approved equal.

2. Water Service Piping and Appurtenances. The water service piping shall be copper tubing, Type K, annealed, in accordance with ASTM B88. The size of tubing shall match the existing size of the water service being replaced. The fittings shall conform to ASTM B16.26, cast bronze. The joints of the copper tubing shall be flared.

3. Gate Valves. Gate Valves shall be manufactured by Mueller, EJ, Clow, or equal. All valves up to 24 inches, for use in water distribution systems, shall be resilient seat, single wedge valves. The valves shall be in accordance with AWWA Specification C509 and shall also meet any supplemental requirements or specifications of the municipality. Valves used on this project shall have mechanical joints.

A. The valves shall be manually operated with non-rising stems, iron body, bronze trim, and be furnished with a standard AWWA 2-inch square-operating nut. The wrench nut shall turn right (clockwise) to open and shall be indicated by an arrow cast on the operating nut skirt.

B. Valve stem risers are required for depths greater than 6½ feet.

4. Butterfly Valves. Butterfly Valves shall be manufactured by Mueller, Dezurik, Henry Pratt, or equal. All valves 24 inches and greater, for use in water distribution systems, shall meet the full requirements of the AWWA Standard for rubber-seated Butterfly Valves, AWWA Specification C504, CL150B, Direct Bury.

A. The valve shall be for distribution and transmission systems with operators complete and sealed for direct buried use in ordinary line position.

B. The valve shall be the short body type.

C. The shaft seal shall be O-Ring and be furnished with a standard AWWA 2-inch square operating nut. The wrench nut shall turn right (clockwise) to open and shall be indicated by an arrow case on the operating nut skirt.

D. All valves shall be tested in accordance with Section 5.2 of the AWWA C504. The manufacturer shall furnish an affidavit that the valve purchased complies with all applicable provisions of the standard and shall furnish test records as specified under Section 5.2 of this standard.

E. Valve stem risers are required for valves on water main deeper than 8 feet. Valve stem risers shall be made of 1½ inch solid steel with 2-inch square operating nut, include a centering collar, and installed per municipality standards.

5. Valve Boxes. Valve boxes shall be manufactured by Mueller, EJ, or equal.

A. The valve box shall be cast iron, 5½ inch diameter, and three-piece adjustable screw type.

B. Valve box extensions are required for depths greater than 6½ feet.

C. No. 6 round bases are required for gate valves up to 8 inches in diameter and No. 160 oval bases for gate valves 10 inches and greater.

D. The box covers shall be stamped “water”.

6. Corporation Stops and Saddles.

A. For Class 52 D.I. pipe, any taps less than or equal to 2 inches shall be Ford Model #F-600-3 or approved equal.

B. For Pressure Class 350 D.I. pipe, any taps greater than ¾-inch and less than or equal to 2 inches shall be Style 202B Double Strap Saddles as manufactured by Ford Brass or approved equal.

C. For PVC C909 and asbestos cement pipe, any taps less than or equal to 2 inches shall be Style 202BS double band saddles as manufactured by Ford Brass or approved equal.

7. Curb Stop and Box.

A. Curb Stops shall be manufactured by Ford, Model #Z-22-333.

B. Curb Stops shall be 5½ feet deep.

C. Curb Stop Boxes shall be the standard Buffalo patterns and all parts of the same, including extension sections, shall be interchangeable and fit up with corresponding parts of other standard Buffalo pattern boxes.

D. The internal diameter of the base shaft shall be 2½ inches for ¾-inch and 1-inch curb stop.

E. The boxes shall be cast iron, suitable coated to resist corrosion, and the casting shall be smooth and free of any imperfections.

F. The covers shall overlap and fit outside the rim of the upper section, and they shall have a horseshoe-shaped groove in them to receive the bolt head and the word “water”

embossed on the top surface.

G. All boxes shall be Tyler 6500 (2½ inch Boxes) Series.

H. Curb Stops and Boxes shall be in accordance with municipality standards.

8. Meter Pit.

A. For meters 1½ inches or smaller, the pit shall be manufactured by Hancor, Model #MP-NL1-0004.

B. For 2-inch meters, the pit shall be manufactured by Carson Industries, Model #2436 or equal.

C. Cover for the 2-inch meter box shall be a polymer concrete flush cover with cast iron reader door as manufactured by Carson Industries or equal.

9. Meter Isolation Valve.

A. All water service fittings shall be fabricated of brass and shall be lead free.

B. Valves up to 2 inches, for use in residential dwellings, shall be non-rising stem gate valve type with NPT connections.

10. Fire Hydrants. Fire hydrants shall be in accordance with the municipality standard and shall conform to AWWA C502 for dry-barrel fire hydrant traffic model or traffic flange type and 150-pound working pressure, compression type, and opening with the line pressure with mechanical joints.

A. Fire hydrants shall be bronze mounted throughout with no iron-to-iron or steel contacts or threads. The operating stem in the base and valve seat shall be bronze.

B. All iron parts shall be of high strength grey iron conforming ASTM Designation A126 Class B.

C. Fire hydrants shall have a 6-inch valve opening with a 6-inch mechanical joint inlet.

D. The minimum inside dimension shall be 8 inches.

E. The operating nut shall turn to the right to open and have a weather shield. The opening direction shall be plainly marked with an arrow near the operating nut showing the opening direction.

F. The operating nuts and nut nozzle caps shall be square and slightly tapered; and it shall be $^{15}/_{16}$-inch at its base and $^{13}/_{16}$-inch square at its end and $1^{1}/_{8}$-inch long.

G. Fire hydrants shall be completely assembled at the factory with the drain opening sealed with a threaded plug.

H. Provide two fire hose connections and one pumper connection in accordance with municipal standards.

I. All nozzles shall be on a movable head on the hydrant barrel so that they may be rotated by changing the position of the top flange without removing the barrel.

J. Provide a Spring Cap Style McGard Fire Hydrant Lock for hydrant.

K. Provide proper length for installation in a water main depth of 6 feet or as indicated on the drawings.

L. All fire hydrants shall have a concrete collar around the lower barrel, 12 inches below the ground line with 1-inch of expansion joint material between the hydrant barrel and collar, as shown on the plans and as directed by the Engineer. The collar shall be 6 inches thick with a diameter of at least 24 inches. Diameter will be as wide as necessary to reach undisturbed earth. Collars shall be formed using grade 4000 concrete. Fire hydrants shall be tested to 300 pounds hydrostatic pressure from inlet side with valve in both open and closed position.

M. Fire hydrants shall be painted red above the grade line conforming to the city standards and black below the grade line.

N. Fire hydrants shall be designed so one man can easily remove or replace the working parts without removing the main valve seat.

O. Fire hydrants shall be flagged per city specifications.

11. Gaskets.

A. All water main gaskets shall meet the requirements of ANSI/AWWA C111/A21.11.

B. For soils contaminated with volatile organic compounds, as determined in the field by the Engineer, use nitrile gaskets.

12. Repair Clamps.

A. For ductile iron, PVC, and asbestos, cement pipe shall be either model 226 full circle repair clamp manufactured by Smith Blair or the Ford F Style repair clamp.

13. Thrust Blocks.

A. Concrete shall be Grade 4000 in accordance with Table 1004-1 of the Standard Specifications for Construction. The course aggregate shall be MDOT aggregate Class 6AA. The thrust blocks shall be placed in accordance with the water main detail sheet and in addition to joint restraints.

14. Joint Restraints.

A. Manufacturer: MEGALUG by EBAA Iron or approved equal.

B. Series 1100 for mechanical joints restraints on ductile iron pipe.

C. Series 1700 for push joint/bell restraints on ductile iron pipe.

D. Series 19MJ00 for Mechanical joints restraints on C909 PVC pipe.

E. Series 1900 for push joint/bell restraints on C909 PVC pipe.

F. Restrain all mechanical joints with retainer glands. Restrain all joints within length(s) according to restraint schedule as determined using *EBAA Iron Restraint Length Calculator*.

G. Restrain hydrants, tees, valves etc. according to the manufacturer's requirements for application soil type, trench detail, test pressure of 150 psi, safety factor of 2 and depth of bury.

H. Mechanical joint restraint shall be incorporated into the design of the follower gland. The restraint mechanism shall consist of plurality of individually actuated gripping surfaces to maximize restraint capability. Glands shall be manufactured of ductile iron conforming to ASTM A536-80.

I. The gland shall be such that it can replace the standardized mechanical joint gland and can be used with the standardized mechanical joint bell conforming to ANSI/AWWA C111/A21.11 and ANSI/AWWA C153/A21.53 of latest version. Twist off nuts, sized same as tee-head bolts, shall be used to ensure proper actuating of restraining devices.

J. The restraining glands shall have a pressure rating equal to that of the pipe on which it is used. The restraining glands shall have been tested to ASTM F1674-96, be listed by Underwriters Laboratories, and be approved by Factory Mutual. The restraint shall be MegaLug, as manufactured by EBAA iron or approved equal.

K. Ductile iron pipe restraint shall consist of a wedge action restraint ring on the spigot joined to a ductile iron follower gland behind that bell. The restraint ring shall have individually actuated wedges that increase their resistance to pullout as pressure or external forces increase. The restraint ring and its wedging components shall be made of a minimum grade of 60-42-10 ductile iron conforming to ASTM A536. The wedges shall be heat-treated to a minimum hardness of 370 BHN. Torque limiting twist off nuts shall be used to ensure proper actuation of the restraining wedges. The follower gland shall be made of a minimum grade of 60-42-10 ductile iron conforming to ASTM A536. The connecting tie rods that join the two rings shall be made of low alloy steel that conforms to ANSI/AWWA C111/A21.11. The assembly shall have a rated pressure, with a minimum two to one safety factor, of 350 psi in sizes 16-inch and below and 250 psi in the sized 18-inch through 36-inch. The product shall be the Series 1700 MegaLug restraint harness manufactured by EBAA Iron or approved equal.

L. Submit to Engineer product information and restraint schedule showing locations of use.

15. Corrosion Protective Material.

A. The corrosion protective material shall be applied to all buried nuts, bolts, threaded rod, shall be manufactured by the following:

(1) *San Chem Inc.*, product: NO-OXG-GG-2

(2) *Coronado Paint* product: coal tar epoxy, 10 mil (DMT)

(3) Or Approved Equal

B. Ductile iron pipe, bends, tees, crosses, fittings, and fire hydrants assemblies shall be double wrapped in candy cane pattern to within 1 foot of finished grade with polyethylene encasement. Use 8 mil low-density polyethylene film or 4 mil high density polyethylene film conforming to ASTM C105/A21.5. The wrap shall be secured during the backfill operation.

16. Tracer Wire.

A. The tracer wire shall be polyethylene coated steel core copper wire, manufactured by the following:

(1) *Copperhead Industries, LLC*, product: Copperhead Reinforced Tracer Wire

(2) Or Approved Equal

(3) The use of solid copper tracer wire will not be allowed.

B. Tracer wire connectors must contain a dielectric waterproof and corrosion proof sealant, lock shut and be color coded blue. Approved manufacturer is Copperhead Industries, LLC, SnakeBite Corrosion Proof Wire Connectors

C. Tracer wire must be attached to all PVC pipe by the use of tape or other approved means.

17. Tracer Wire Box.

A. Tracer wire boxes shall be magnetized, provide a direct connection to tracer wire without removing the cover, be color coded and have a locking cover, such as the SnakePit Magnetized Tracer Box manufactured by Copperhead Industries, LLC.

B. Tracer wire boxes will be installed at every fire hydrant when main line PVC pipe is installed or other PVC water pipe endpoint.

18. Backfill Material.

A. The backfill material shall be in accordance with the Standard Specifications for Construction and Standard Plan R-83-Series, Utility Trenches.

19. Air Reliefs.

A. Air Reliefs shall be furnished by the Contractor where required to allow for proper air relief, disinfection and sampling. They shall include the tapped hole, brass plug, corporation, copper pipe, and any other fittings required to accomplish this work. All air reliefs shall be placed as directed by the Engineer.

B. The cost for air reliefs shall be included in the pay item for Water Main, __inch, Tr Det__, Modified and Water Main, DI, __ inch, Tr Det__, Modified.

20. Disinfectant.

A. Use NSF Chlorine per AWWA Standards.

21. Welded Steel Pipe Sleeve.

A. Welded steel pipe sleeve shall meet requirements of ASTM, A53, Type S, Grade.

22. Stainless Steel Repair Clamps.

A. The repair clamps shall be full circle gray coated stainless steel of the appropriate size for the main to be repaired and manufactured by the following:

(1) Ford Romac Industries, Inc

(2) Smith-Blair

(3) Or Approved Equal

c. Construction. The Contractor shall install all pipe materials, required for the contract, according to MDOT, AWWA, EGLE, and the municipality standards.

1. Connection to Existing Water Main.

A. The Contractor shall not make any connections to the public water distribution system until the new water main has been pressure tested, chlorinated, and laboratory tests show satisfactory results in accordance with EGLE Standards for safe drinking water.

B. The Contractor shall locate the existing water main prior to construction of the proposed water main and shall furnish and install the necessary fittings, including tees, bends, crosses, cutting-in-sleeves, pipe and/or adaptors to complete the connection.

C. The Contractor shall connect the proposed water main to the existing water main as shown on the plans or as directed by the Engineer.

D. The Contractor shall connect the proposed water main to the existing water main in a continuous effort to complete the work. Once the existing water main has been disconnected (or shutdown), the Contractor shall not leave the work site until the connection is complete and the system is placed back into service and approved by the Engineer.

E. The Contractor shall handle Asbestos Cement pipe removal and disposal following the applicable MIOSHA Standards.

2. Water Main Shutdowns.

A. The Contractor shall schedule all water main shutdowns with the City of Saginaw a minimum of 48 hours prior to shutdown.

B. The Contractor is responsible for all de-watering including dewatering if the City of Saginaw is unable to obtain complete shutdown due to age or deterioration of existing

valves.

C. The Contractor shall, under no circumstances, operate any City of Saginaw valves.

D. Once a shutdown has taken place, the Contractor shall not leave the work site until the system is placed back into service and approved by the Engineer.

3. Crossing Existing Utilities.

A. The locations of existing utilities are shown in accordance with available data. The Contractor shall expose all existing utilities prior to construction to verify location and elevation and immediately notify the Engineer of any conflicts.

B. Where existing utilities cross the open-cut trench, compacted sand backfill shall be required to bed the utility crossing. The sand backfill shall extend to 4 inches above the top of the pipe or conduit, which is being supported. In addition to the sand backfill, it may be necessary to support the utility crossing with a 6-inch by 6-inch timber supported on each end on solid earth at both sides of the trench.

C. When supporting pipes with collars or bell joints, the timber shall be placed 3 inches below such collars or bells and the barrel of the pipe supported with hardwood blocking at 3-foot centers.

D. Cost of sand backfill shall be included in the pay item for Water Main, DI, __inch, Tr Det__, Modified, and/or Water Main, __inch, Tr Det__, Modified.

4. Separation of Water Mains and Sewers.

A. The Contractor shall follow ELGE Standards for separation of sewers and water distribution systems.

B. For parallel installations, water mains shall be at least 10 feet horizontally from sewers. The distance shall be measured edge-to-edge.

C. For crossings, the water mains and sewers shall be separated at least 18 inches from the outside of the water line to the outside of the sewer. The maximum separation of the water main and sewer joints shall be maintained.

D. The reviewing authority shall approve any deviations from these requirements.

5. Abandoning Pipe.

A. Where excavation and installation requires removal of abandoned pipe, pipe which is to be abandoned, and its appurtenances, (i.e. steam lines, abandoned water, gas, electrical conduit, duct, concrete encasement, valves and structures, etc.) such pipe and appurtenances shall be bulk headed, removed, and disposed of by the Contractor without extra compensation.

B. If, in the judgment of the Engineer, the abandoned pipe may be left in place and is greater than 8 inches in diameter, the ends of the abandoned pipe shall be blocked with concrete and the pipe filled with flowable fill.

C. Prior to removing and/or working near abandoned gas main and electrical conduits or ducts, the Contractor shall coordinate with Consumers Energy to confirm that suspected abandoned utilities are actually abandoned and are no longer in service.

6. Disposal. All waste material shall be disposed of as specified under section 204 of the Standard Specifications for Construction.

7. Disposal of Flushing Water.

A. Contractor is responsible for de-chlorinating flushing water to the requirements of PA 451.

B. The Contractor shall provide outlets to existing drainage for flushing purposes.

8. Water Cost.

A. The Contractor shall pay the City of Saginaw for all water used during construction, including water main breaks and water necessary for testing, cleaning, and chlorinating water mains. The actual volume of water used shall be determined by the Engineer. The rate of pay for all water used shall be at the current rate per 100 gallons.

B. The water necessary to fill the volume of the water main at the completion of the project shall be paid by the City of Saginaw.

9. Maintaining Water Service.

A. The Contractor shall coordinate any proposed interruptions in the existing water system with both the City of Saginaw and the Engineer. If any portions of the existing water mains cannot remain in service due to construction of the proposed water mains, the Contractor shall extend a temporary 1¼ inch polyethylene service to each customer affected by the outage. The cost of these temporary connections, if required, shall be included in all other items of the Contract.

B. Services shall be reconnected to the existing water main.

10. Installing Pipe, Fittings, and Accessories.

A. Install pipe, fittings and accessories in accordance with manufacturer's instructions.

B. Install to the line and elevations shown on the drawings. Water main shall have a minimum cover of 6 feet from proposed finish grade, unless shown otherwise on the drawings or directed by the Engineer. Maintain an 18-inch vertical separation between proposed water main and existing utilities.

C. Where pipe is to be installed with less than the minimum required cover, 4-inch rigid foam insulation shall be placed directly over the watermain for the width of the trench. The insulation shall be placed on a level compacted sand base for support.

D. Water main trenches shall be in accordance with Standard Plan R-83-Series, Utility Trenches.

E. Restrain pipe and fittings as detailed on the drawings, or as described in the special provisions.

11. Installing Fire Hydrants.

A. Install in accordance with manufacturer's instructions. Set at plan location and grade as directed by the Engineer. Set hydrant plumb on a concrete block according to the water main detail sheet. In addition to blocking, restrain hydrants with two ¾-inch threaded rods, anchored to concrete block, welded steel pipe sleeve, or joint collars.

B. Install collar per the fire hydrant manufacturer's recommendations, industry standards, and as directed by the Engineer. Install collar to a width necessary to meet undisturbed earth, with a minimum width of 24 inches.

C. Duc-Lugs and/or Eye Bolts, as manufactured by Continental Eastern, Romac Industries, or equal, may be used with rods as a means of restraint.

D. The hydrant may be rotated up to 180 degrees as shown on the plans or as directed by the Engineer.

E. Obtain approval of the Engineer prior to backfilling trench.

F. Backfill hydrant according to the Water Main Detail Sheet and in accordance with the Standard Plan R-83-Series, Utility Trenches.

12. Installing Gate Valves and Butterfly Valves.

A. Install in accordance with manufacturer's instructions. Tighten nuts on valve body. Set valves plumb on a concrete block according to the water main detail sheet.

B. Verify and document set points and number of turns between fully closed position and fully open position are within manufacturer's tolerances for each gate valve installed.

C. Backfill valves according to the Water Main Detail Sheet and in accordance with the Standard Plan R-83-Series, Utility Trenches.

D. Obtain approval of the Engineer prior to backfilling trench.

E. Leave valves in the open position except for the valves that connect to the existing water main.

13. Installing Valve Boxes.

A. Set base on MDOT 6A, compacted crushed limestone, material a minimum of 2 inches above the flange on the valve dome and centered over the operating nut.

B. Set valve box plumb and centered over the valve-operating nut.

C. Adjust the top of the valve box to match proposed finish grade. Install extensions for trench depth greater than 6½ feet. Valve box extensions shall be included in the pay item for Gate Valve and Box, __inch.

D. In pavement areas, adjust to the final elevation prior to placement of the final course of pavement.

14. Installing Water Services and Water Services, Long.

A. Installation of Water Services and Water Services, Long must be done in accordance with ANSI/AWWA C810-17 (First Edition), *Replacement and Flushing of Lead Service Lines*.

B. Water services shall include double strap saddles, corporations, copper tubing Type K, flared joints, and all other material for complete operation.

C. This work shall not begin until the proposed main has been tested, disinfected, accepted by the Engineer and is in operation.

D. Water services larger than 2 inches in diameter are considered water mains insofar as this contract is concerned.

E. Open cut services shall pass visual inspection by the Engineer, under system pressure prior to backfilling.

F. Backfill the water service trenches with granular material Class II.

G. Water Serv, Long, Modified shall be defined as any service greater than 30 feet in length as measured along the centerline of the service from the centerline of the proposed water main to the road right-of-way.

H. Water services shall be installed in an open-cut method unless approved by the Engineer.

I. When a service bore will cross an existing water main, a sight hole must be excavated sufficient in size for the Engineer to visually verify the bore will clear the existing main.

J. Water Serv, Long, Modified shall be installed utilizing an approved bore method unless an open cut method is approved by the Engineer.

K. Water services installed using a bore method shall pass an Engineer approved line pressure test witnessed by the Engineer prior to backfilling connection points.

L. Water services shall be backfilled with granular material Class II.

M. Existing curb stops and boxes requiring removal for the installation of a new curb stop and box will not be paid for separately but shall be included in the pay item for Curb Stop and Box.

N. Curb stop boxes shall be installed with 5½ feet cover. Precautions shall be made to ensure the curb stop box is no less and no greater than 5½ feet deep.

15. Installing New Water Services from Curb Stop to Private Residence or Businesses.

A. The installation of new water services from curb stop to private residence must be

done in accordance with ANSI/AWWA C810-17 (First Edition) *Replacement and Flushing of Lead Service Lines.*

B. Contractor to install private water services utilizing open-cut or bored method.

C. Open-cut private services shall pass visual inspection by the Engineer, under system pressure prior to backfilling.

D. Private services installed using a bore method greater than 10-feet shall be tested at 75 PSI for minimum of 15 minutes as witnessed by the Engineer prior to backfilling connection points.

E. The Engineer shall make the final determination of where the new service shall enter the dwelling.

F. Services shall enter a dwelling at a minimum depth of 5½ feet below existing grade.

G. New service shall match size shown on plans unless otherwise directed by Engineer. Minimum service size shall be ¾-inch.

H. Contractor shall be responsible for protecting private landscaping and plantings. Any landscaping or plantings disturbed by the Contractor shall be replaced at the Contractor's expense.

16. Valve Box, Remove and Water Shutoff, Remove.

A. Valve Box, Remove and Water Shutoff, Remove shall include the removal of the top section of the box, closing of the existing valve completely and backfilling the box.

17. Transition/Connection Fittings. Transition/ connections fittings shall be hand chlorinated prior to installation.

18. Hydrostatic Testing.

A. Hydrostatic Test for Water Main Pipe 20-inch and Smaller.

(1) Perform after entire water main or a section between two valves has been installed and has passed the visual leakage test.

(2) Length of water main tested between two valves shall be the length of the entire water main, or a maximum distance of 5,280 feet.

(3) Fill pipe slowly, expelling all air.

(4) Pressurize pipe as indicated under total pressure, on the table below, and maintain for 15 minutes.

Pipe Size	Oper. Press.		Water Hammer		Total Pressure, Oper. Water & Hammer		Total Internal Design Pressure (Safety Factor Included)	
	Psi	kPa	Psi	kPa	Psi	kPa	Psi	kPa
6”-10"	60	4.4	120	830	180	1240	450	3100
12”-14"	60	4.4	110	760	170	1170	425	2930
16”-18"	60	4.4	100	690	160	1100	400	2760
20"	60	4.4	90	620	150	1035	375	2585
24"	60	4.4	85	590	145	1000	363	2500
30"	60	4.4	80	550	140	965	350	2415
36"	60	4.4	75	520	135	930	338	2330
42”-60"	60	4.4	70	480	130	900	325	2240

(4) Reduce pressure to 150 psi and maintain for two hours. Add water to maintain pressure to within + 1 psi of 150 psi. If at any time the test pressure drops so fast that water cannot be added quickly enough to maintain the pressure to within 5 psi of 150 psi, the hydrostatic test is considered to have failed, and the test started over.

(5) The amount of water added to maintain test pressure to within 5 psi of 150 psi shall be defined as the make-up water.

(6) The hydrostatic test will be considered to have failed and the pipe installation shall not be accepted if the make-up water measured exceeds the testing allowance calculated per AWWA C600-05 and as follows:

In inch-pound units,

$$L=\frac{SD\sqrt{P}}{148{,}000}$$

Where:
L = Testing Allowance, in gallons per hour
S = Length of Pipe Tested, in feet
D = Nominal Diameter of the Pipe, in inches
P = Average Test Pressure During the Hydrostatic Test, in pounds per square inch (gauge)

(7) Read line pressure on a 4-inch diameter gauge with a snubber and a range of 0 to 200 psi in 2 psi increments.

(8) Measure make-up water added to the pipe with a tested water meter connected to the water supply line.

(9) For short sections of pipe, water may be added through a sterilized container and the amount calculated by direct measurement.

(10) Find and repair leaks.

(11) Flush pipe with potable water.

B. Procedure for testing water main 20 inches in diameter and larger shall be the same as required for water mains less than 20 inches in diameter except that the 15-minute hydrostatic test will not be required for pipe in this size range.

19. Visual Leakage Test.

A. When directed by the Engineer, a visual leakage test may be performed in lieu of a pressure leakage test.

B. Place sufficient backfill to prevent pipe from buckling or shifting.

C. Joints remain exposed.

D. Restraints are installed.

E. Place and block test plug at the end of the pipe.

F. Fill pipe slowly with water expelling all air.

G. Increase water pressure to equal pressure from existing supply water main.

H. Visually inspect joints for leakage.

I. Repair leaks and repeat test.

J. Backfill after successful completion of test.

20. Disinfection.

A. Disinfection procedure shall be in accordance with AWWA Standard C651, latest revision, Continuous-Feed Method.

B. Verify that the water main is complete, flushed, and clean.

C. Inject disinfectant, NSF chlorine solution per AWWA Standards, through a corporation cock inserted in the horizontal axis of the water main.

D. Inject disinfectant at the beginning of the pipeline or a valved section.

E. Slowly fill the line with potable water from the existing distribution line, as approved by the Engineer.

F. Bleed water from a valve at the end of the line to ensure distribution and prevent pressure build up in excess of 138 kPa (20 psi).

G. Inject disinfectant, chlorine solution, to obtain a concentration of 50 parts per million.

H. Chlorine residual will be checked to insure a minimum of 50 ppm solution, using a method as approved by the Engineer.

I. Maintain disinfectant in pipeline for 24 hours. All valves in the disinfected section of pipe must be turned during the 24-hour time period. Free chlorine residual after 24 hours shall be not less than 10 ppm. The testing method used to verify the amount of free chlorine residual shall be approved by the Engineer.

J. Flush disinfectant from pipeline until chlorine level leaving the pipe is not higher than normal chlorine residual in the City of Saginaw water distribution system. Contractor shall be responsible for dechlorinating flushing water to the requirements of PA 451.

K. The Contractor, with assistance from the Engineer, will obtain samples for laboratory tests, which will be analyzed at the City of Saginaw Water Treatment Plant Certified Laboratory. Samples will be taken after flushing the disinfectant from the pipeline in accordance with AWWA requirements. Samples must be taken so that the testing and lab analysis can be done during normal business hours (8 a.m. to 4 p.m., Monday through Friday). Care shall be taken with bottles, sample collection, and transportation to ensure proper technique is followed. The number of fittings in the apparatus or blow-off used to obtain the samples should be minimized to reduce the possibility of contamination.

L. Do not place the water main into service until laboratory tests show satisfactory results in accordance with EGLE and City of Saginaw standards for safe drinking water, as indicated in this special provision. City of Saginaw standards for safe drinking water require that coliform testing by membrane filtration display a lack of coliform bacteria and lack of atypical bacteria. City of Saginaw standards for safe drinking water also require that the Heterotrophic Plate Count (HPC) shall be </= 50 cfu/1mL to display the water quality is reasonably equal to the potable supply. HPC requires 48 hours for each sample taken before results are known.

M. Repeat the complete disinfection process if laboratory results do not meet the EGLE Standards for safe drinking water, and the requirements in this special provision.

N. Replace corporation cocks with brass plugs when the disinfection process is complete and water is determined safe for drinking and meets EGLE and City of Saginaw Standards.

O. The use of chlorine pills or tablets placed in the pipe during construction for use in the disinfection process is prohibited.

P. Results of bacteriological sampling to determine if the new water main can be placed into service may take 7 to 10 days to receive.

21. Continuity Testing.

A. Ductile iron pipe and fittings (except flanged pipe) shall be provided with metallic wedges at each joint to provide metal-to-metal contact at the joint to allow an electric current to flow through the joint for location, locating and cathodic protection.

B. The system (pipeline and hydrants) shall be tested for electrical continuity and current capacity.

C. Perform the electrical test after the hydrostatic pressure test, before services are connected and while the line is at normal operating pressure.

D. The line may be tested in sections of convenient length as approved by the Engineer.

E. Pass a direct current of 400 amperes ± 10 percent through the system for 5 minutes.

F. Continuously measure current flow through the pipe on a suitable ammeter while maintaining a steady current without interruption or excessive fluctuation throughout the 5-minute test period.

G. Insufficient current or intermittent current or arcing, indicated by large fluctuation of the ammeter needle, shall be evidence of defective electrical contact in the pipeline.

H. Isolate and correct the cause of the deficiency.

I. After correction, retest the section in which the defective test occurred.

22. Boring, Jacking, or Tunneling installation with Pipe Sleeve

A. Construct and maintain jacking/boring pits as required. Adequately clear site required for pits as needed to perform the work. Size pits for boring machine, frames, reaction blocks, minimum two sections of pipe, and with sufficient room for working. Provide steel safety ladder.

B. Locate pits such that no damage occurs to trees, poles (not specified for removal), or structures in the immediate area.

C. Construct pits with sheeting and bracing as required for proper support in accordance with OSHA standards and as needed to sufficiently support reaction blocks.

D. Place crushed rock or approved bedding to sufficiently support equipment and protect pit floor.

E. Employ guide timbers and rails for maintaining pipe line and grade.

F. Push utility pipe through the bored opening leaving minimum annular space.

G. A pushing or jacking frame shall be built and furnished to fit or match the end of the pipe to be jacked so that the pressure of the jacks will be evenly distributed over the end of the pipe.

H. The hydraulic jacks shall have sufficient power to apply a smooth and even pressure to move the pipe in place. Hammering or ramming the pipe will not be allowed.

I. The pipe shall be jacked upgrade where possible.

J. The excavation shall be done within the inside of the pipe and shall not exceed 12 inches ahead of the pipe being jacked in place.

K. After each pipe section is in place, the pipe shall be checked for correct grade and line. Pipe not meeting the correct grade and line shall be rejected and replaced.

L. Excavation shall be done within the inside of the pipe sleeve not to exceed 6 inches ahead of the sleeve.

L. Excavation at the top and sides may be approximately 1-inch greater than the outside periphery of the pipe.

M. The bottom of the excavation shall be accurately cut to line and grade.

N. After the pipe sleeve has been jacked and augured, it shall be checked by pouring water through the pipe. Pipe sleeve not meeting the line and grade requirements shall be rejected.

O. The water main pipe shall be pushed in the pipe sleeve, supported on a minimum of three each 1-inch by 2-inch (minimum) hardwood continuous slats banded to the utility pipe. The banding shall be $^{5}/_{8}$-inch stainless steel.

P. The annular spaces at the ends of the pipe sleeve shall be sealed with MI Rafi Filter Fabric and held in place with 6A stone.

Q. Additional footage of pipe installed by jacking and boring above what is shown on the plans and specifications shall not be paid. Extra footage will only be paid if authorized in writing by the Owner and the Engineer prior to installation.

23. Horizontal Directional Drilling Pipe.

A. The Contractor shall ensure a representative from the drilling Contractor, who is experienced with the equipment and boring procedures is on site at all times during the boring operation to address immediate concerns and emergency operations. Installation must not begin until the Engineer agrees that proper preparations have been made. Notify the Engineer at least two (2) work days prior to starting the work.

B. The directional bore shall begin with a pilot hole drilled along the proposed bore alignment. Directional information shall be monitored and provided to the drilling operator using navigation equipment on the surface. A reverse drilling reamer shall be attached to expand the pilot hole to allow for the pipe installation. Bentonite slurry shall be pumped through the drill steel and mixed by the reamer to stabilize and lubricate the wall lining of the bore hole and to protect the pipe.

C. Instrumentation shall be provided and maintained to accurately locate the pilot hole and measure drilling fluid flow and pressure at all times.

D. Drilling fluids shall be contained within the drilling area and cleaned up within 48 hours following completion of pipe installation.

E. The Contractor shall ensure deflections in pipe are made by bending the pipe in accordance with the manufacturer’s recommendations.

F. When a bored main will cross an existing water main, a sight hole must be excavated sufficient in size for the Engineer to visually verify the bore head will clear the existing main.

G. If the Contractor encounters an obstruction during boring that prevents completion

of the installation in accordance with the design location and specification, the pipe may be abandoned and left in place with approval by the Engineer. If the pipe is approved to be left in place, the Contractor shall immediately fill it with flowable fill and bulkhead the pipe. The Contractor shall submit a revised plan prior to beginning another boring for approval by the Engineer. If damage is observed during construction, the Contractor shall cease all work until a plan to minimize further damage and for restoration is obtained and approved by the Engineer.

H. If conditions warrant removal of any materials installed in a failed bore path, as determined by the Engineer, it will be at no additional cost to the contract.

I. The Contractor shall restore any damage caused by heaving, settlement, escaping drilling fluid (frac-out) or the drilling setup and operation. The Contractor shall ensure a frac-out contingency plan is provided and approved by the Engineer prior to starting the work.

J. The Contractor shall provide the Engineer a complete set of record (as-built) plans, showing all bores (successful and failed), within 30 calendar days of completing the work. The Contractor shall ensure as-built plans include the locating equipment used; horizontal and vertical alignment with degree of accuracy, entry, and exit points; bore diameter; tracer wire termination locations; drilling fluid composition; and important subsurface features. The Contractor shall ensure the as-built plans are legibly drawn on project plan sheets or sheets developed by the boring Contractor. The Engineer will have 15 calendar days to review and approve the as-built plans.

24. Stainless Steel Repair Clamps at Existing Water Service.

A. Following construction of new service lead and connection to existing service at right-of-way, remove existing corporation valve and saddle.

B. Coordinate with City of Saginaw staff to reduce main pressure prior to removal of existing corporation valve.

C. Dewater excavation area as necessary to ensure clear visual of repair area on main.

D. Place stainless steel repair clamp over existing tap area per manufacturer’s requirements and place protective wrapping over affected area.

E. Coordinate with City of Saginaw staff to reinstate main pressure and perform a visual leak test of the repair clamp.

d. Measurement and Payment. The completed work, as measured for alterations to the municipal water system, will be paid for at the contract unit prices for the following pay items.

Pay Item	**Pay Unit**
Gate Valve and Box, __ inch	Each
Hydrant, Rem, Modified	Each
Water Main, __ inch, Tr Det __, Modified	Foot
Water Main, DI, __ inch, Tr Det __, Modified	Foot
Water Serv, Modified	Each
Water Serv, Long, Modified	Each
Water Serv, Private	Each
Connection To Existing __ inch Water Main	Each
Hydrant, Complete, 6 inch	Each
Abandon Existing Water Main, In Place	Lump Sum

25. Water main of the sizes and trench detail specified will be measured in place per foot, along the centerline of the pipe, with no deductions for fittings. All water main 16 inches or larger shall be ductile iron pipe. Unless specifically called for on the on plans, all water main 12 inches and smaller may be either ductile iron pipe or PVC 909. All water main pipe shall be placed utilizing a trench box to minimize the required trench width or as approved by the Engineer. The price shall include payment in full for furnishing all material, labor, and equipment required to perform the work specified herein and shown on the plans, including flushing and disinfecting the main, furnishing and installing all fittings, gaskets, wedges, insulation, bracing or sheeting, blocking, thrust blocks, air reliefs, tracer wire, tracer wire boxes, removal of existing abandoned utilities, and all other miscellaneous items necessary for the installation of pipe. All ductile iron water main and fittings shall be double wrapped with polyethylene to within 1 foot of finish grade. Overlap all polyethylene joints a minimum of 18 inches. Secure all polyethylene with tape until backfilled. Payment for all material, labor and equipment necessary to remedy an unsatisfactory testing, including removing and replacing any backfill, shall be considered as included in the contract unit price for **Water Main, __ inch, Tr Det__, Modified** and **Water Main, DI, __ inch, Tr Det __, Modified**.

26. Temporary sewer services rerouted to avoid conflict with the proposed water main are included in the unit price for **Water Main, __ inch, Tr Det__, Modified** and **Water Main, DI, __ inch, Tr Det __, Modified**.

27. Dewatering operations, trench and or pipe, associated with Alterations to the Municipal Water System will not be paid for separately, but will be included in the contract unit prices bid for other related contract items.

28. The cost of excavation, disposal of excess material, and furnishing, placing, and compacting the backfill for the water main pipe and accessories will be considered as included in the contract unit price bid for other related contract items unless otherwise specified.

29. Removal of the existing water main within the influence of the roadway, as required to construct the proposed water main, shall be included in the lump sum price bid for **Abandon Existing Water Main, In Place** or other related contract items unless otherwise specified. Any cutting and capping necessary to abandon water main in place is included

in **Abandon Existing Water Main, In Place**. Any existing gate valves to be abandoned in place shall have risers removed to a minimum depth of 18 inches below finished grade and will be included in lump sum price bid for **Abandon Existing Water Main, In Place**. All water mains abandoned in place require flowable fill backfill. Flowable fill is included in the pay item for **Abandon Existing Water Main, In Place**.

30. Water Main, Cut and Plug where specified shall be included in the contract unit price for **Abandon Existing Water Main, In Place**.

31. The removal of Water Shutoffs shall not be paid for separately but shall be considered included in the item **Abandon Existing Water Main, In Place**.

32. Removal of other existing abandoned utilities encountered during construction including abandoned steam lines, gas main, abandoned electrical conduits, ducts, concrete encasement, valves, structures, etc. that is necessary for removal in order to install the proposed water main will not be paid for separately and is included in the unit price for water main pay items.

33. **Hydrant, Rem, Modified** shall be measured and paid for at the contract unit price each, which price shall be payment in full for all labor, material, removal of bollards, removal of existing valve and delivery of existing hydrant and valve to the municipality storage yard and equipment necessary to accomplish this work.

34. Gate valves and boxes, including tapping valves, and butterfly valves and boxes of the size and type specified will be measured and paid for as **Gate Valve and Box, _ inch,** at the contract unit price each, which shall be payment in full for all labor, material, valve stem risers, extensions, and equipment necessary to accomplish this work. Any costs to adjust boxes on new valves to final elevations, including pavement repairs per the City of Saginaw and MDOT details shall be included in the listed pay item and not paid for separately.

35. **Hydrant, Complete, 6 inch** will be paid for at the contract unit price each, which shall be payment in full for all labor, material, hydrant extensions, hydrant lock, concrete collar, and equipment necessary to accomplish this work. A maximum of 20 feet of 6-inch pipe for the lead from the main shall be included in the listed pay item. Lengths in excess of 20 feet shall be paid for as Water Main, _, 6 inch by the lineal foot.

36. **Water Serv, Modified** and **Water Serv, Long, Modified**, as specified shall be measured and paid for at the contract unit price each, which shall be payment in full for all labor, material, saddles, corporation stops, fittings, adapters, curb stops and box, and equipment necessary to accomplish this work including sight hole excavation and restoration. **Water Serv, Modified** is a service of 30 feet or less in length. **Water Serv, Long, Modified** is a service more than 30 feet in length.

37. **Water Serv, Private**, for sizes ranging from ¾ inches to 1½ inches, as specified on the plans, will be paid for at the contract unit price each, from curb stop to the end point inside dwelling with no deductions for fittings; which shall be payment in full for all labor, material, isolation valve, and equipment necessary to accomplish this work. **Water Serv, Private** shall include restoration of all disturbed areas including concrete walkways, landscaping, and plantings removal and replacement.

38. Curb Stop and Box, as specified shall not be paid for separately but shall be included in the item **Water Serv, Modified** or **Water Serv Long, Modified**.

39. Any costs to adjust curb stop boxes on new and existing curb stop valves to final elevations, including sleeves around curb stop boxes in pavement areas shall be included in the listed pay items and not paid for separately.

40. **Connection To Existing ___inch Water Main**, as specified shall be measured and paid for at the contract unit price each for the size of the existing pipe being connected to, which shall be payment in full for all labor, material, backfill, excavation, tapping sleeves, solid sleeves, reducers, plugs, and equipment necessary to accomplish this work.

CITY OF SAGINAW

SPECIAL PROVISION
FOR
MASONRY FILLER WALL

ROWE:COS 1 of 3 4-6-26

a. Description. Construct a reinforced masonry wall in conjunction with abandoning existing coal chutes and/or sidewalk vaults. This work includes installing a masonry filler wall. Structure backfill will be paid for separately. Complete this work according to the Standard Specifications for Construction, details shown on the plans, and this special provision.

b. Materials. Use material meeting the following.

1. Masonry Units – Concrete Masonry Units shall be hollow load bearing block units: ASTM C90, S, Type I- Moisture controlled, normal weight.

2. Mortar – Use type S mortar conforming to section 1005 of the Standard Specifications for Construction.

3. Horizontal steel single width joint reinforcement: Ladder type, hot dip galvanized after fabrication, 2 inch side rods and cross ties manufactured by Hohmann of Barnar, Dur-o-wall, or equal.

4. Strap anchors: Bent Steel 2 inches wide by 12 inches long x .2 inches thick galvanized to ASTM A123 G90 finish.

5. Concrete Foundation – Conform to section 1004 of the Standard Specifications for Construction.

6. Expansion Anchors – Conform to section 914 of the Standard Specifications for Construction.

7. Adhesive Anchors - Conform to section 914 of the Standard Specifications for Construction.

8. Miscellaneous Metal Products- Conform to section 908 of the Standard Specifications for Construction.

9. Joint Waterproofing - Conform to section 914 of the Standard Specifications for Construction.

10. Steel Reinforcement – Conform to section 905 of the Standard Specifications for Construction.

11. Waterproof Coating – Waterproofing shall be a single component bitumen-modified: HLM5000 Chem Rex Inc. by Sonneborn Building Products, QSC-525 Carlisle Corp, Carlisle Coatings and Waterproofing or equal.

c. Construction.

1. Coordination

A. Upon identifying that a basement or access area, other than that shown in the plans, exists under the sidewalk the City of Saginaw shall be notified immediately.

B. Upon removing the sidewalk and exposing the basement, the Contractor shall assume responsibility to protect the basement opening from rain, flooding, intrusion, and pedestrian access. Complete vault closure within 48 hours of exposing the basement.

C. Contractor shall coordinate with the owner of the building, the City of Saginaw, and utility owners regarding the schedule for filling the basement opening.

D. If utilities are present in the proposed abandoned area, they shall be relocated in the basement by the owners of the utilities unless the utility relocations are covered under the construction contract.

2. Masonry Filler Wall

A. Construction of masonry wall including embedments and grouting shall be in accordance with the American Concrete Institute (ACI) ACI 530.1 - “Specifications for Masonry Structures”. The contractor shall maintain a copy of this specification in the field readily available for reference.

B. The masonry work shall be constructed by a company specializing in performing masonry construction for buildings with a minimum of five years experience.

C. The Contractor shall prepare the site by thoroughly cleaning the area adjacent to the new construction and removing any debris in the abandoned basement area.

D. If there is no existing footing present, construct a new footing a minimum of 12 inches thick, 4 feet wide or as directed by the Engineer.

E. Furnish and install miscellaneous metal in accordance with section 908 of the Standard Specifications for Construction.

F. The expansion anchors shall be installed per manufacturer’s instructions. Cutting of existing reinforcing bars will not be permitted.

G. Adhesive anchored bars shall be installed in accordance with section 914 of the Standard Specifications for Construction. Cutting of existing reinforcing bars will not be permitted**.**

H. Perform job site cutting of masonry units with proper tools to provide straight,

clean, unchipped edges. Prevent broken masonry unit corners or edges.

I. Prior to placing the top course of blocks, the voids shall be filled with mortar.

J. Permit mortar to cure 7 days prior to placing grout. Wet masonry unit surfaces in contact with grout just prior to grout placement.

K. Joint waterproofing shall be installed around the perimeter joint between the existing and proposed work in accordance with section 914 of the Standard Specifications for Construction.

L. The exterior masonry surface shall be waterproofed. Placement of the waterproofing shall be per manufacturer's instructions.

M. Backfill shall not be placed against the wall until the grout has attained its design strength of 2000psi. The wall shall be braced vertically a minimum of every 4 feet prior to placing backfill.

d. Measurement and Payment. The completed work as described will be measured and paid for at the contract unit price for the following pay item:

Pay Item	**Pay Unit**
Masonry Filler Wall	Square Foot

Masonry Filler Wall will be measured in place, in square feet of wall face. **Masonry Filler Wall** includes all materials, labor, and equipment necessary to complete the work as described. Backfill will be paid for separately.

SHEET INDEX

1 – COVER SHEET
2 – LEGEND SHEET
3 – ALIGNMENT AND CONTROL DATA SHEET
4 – GENERAL NOTES AND QUANTITY SHEET
5 – MAINTAINING TRAFFIC PLAN
6-9 – TYPICAL CROSS SECTIONS
10 – SOIL BORING LOG SHEET
11 – EXISTING UTILITY INFORMATION
12 – CITY OF SAGINAW STANDARD DETAILS SHEET
13 – REMOVAL SHEET–HANCOCK STREET
14 – CONSTRUCTION PLAN SHEET–HANCOCK STREET
15 – PROFILE SHEET–HANCOCK STREET
16 – REMOVAL SHEET–AMES STREET
17 – CONSTRUCTION PLAN SHEET–AMES STREET
18 – PROFILE SHEET–AMES STREET
19 – INTERSECTION GRADING SHEET
20-21 – CITY OF SAGINAW STANDARD WATER MAIN DETAILS SHEETS
22 – WATER MAIN PLAN AND PROFILE–HANCOCK STREET
23 – WATER MAIN PLAN AND PROFILE–AMES STREET
24 – PAVEMENT MARKING AND SIGNING SHEET

CITY OF SAGINAW

HANCOCK STREET & AMES STREET RECONSTRUCTION

N. NIAGARA ST. TO N. MICHIGAN AVE.

DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

SECTION 26, T.12N – R.4E
CITY OF SAGINAW, SAGINAW COUNTY

UTILITIES AND MUNICIPALITIES

CABLE TELEVISION
CHARTER COMMUNICATIONS
2525 STATE STREET
SAGINAW, MI 48602
(989) 233-9404
MARK KELLY
MARK.KELLY@CHARTER.COM

GAS
CONSUMERS ENERGY
2400 WEISS STREET
SAGINAW, MI 48602
(989) 791-5869
SAM OLIVERI
SAM.OLIVERI@CMSENERGY.COM

TELEPHONE
AT&T
309 S. WASHINGTON AVENUE
SAGINAW, MI 48607
(989) 776-4031
CHRIS LATTY
CL1283@ATT.COM

ELECTRIC
CONSUMERS ENERGY
2400 WEISS STREET
SAGINAW, MI 48602
(989) 791-5353
VIRGIE DOWNS
VIRGIE.DOWNS@CMSENERGY.COM

TRAFFIC SIGNALS, SIGNS, STREET LIGHTS
CITY OF SAGINAW
1435 S. WASHINGTON AVENUE
SAGINAW, MI 48601
(989) 737-5583
JOE NUGENT
JNUGENT@SAGINAW-MI.COM

SEWER AND WATER
CITY OF SAGINAW
1701 S. JEFFERSON AVENUE
SAGINAW, MI 48601
(989) 295-5125
TONY FOLINO
TFOLINO@SAGINAW-MI.COM

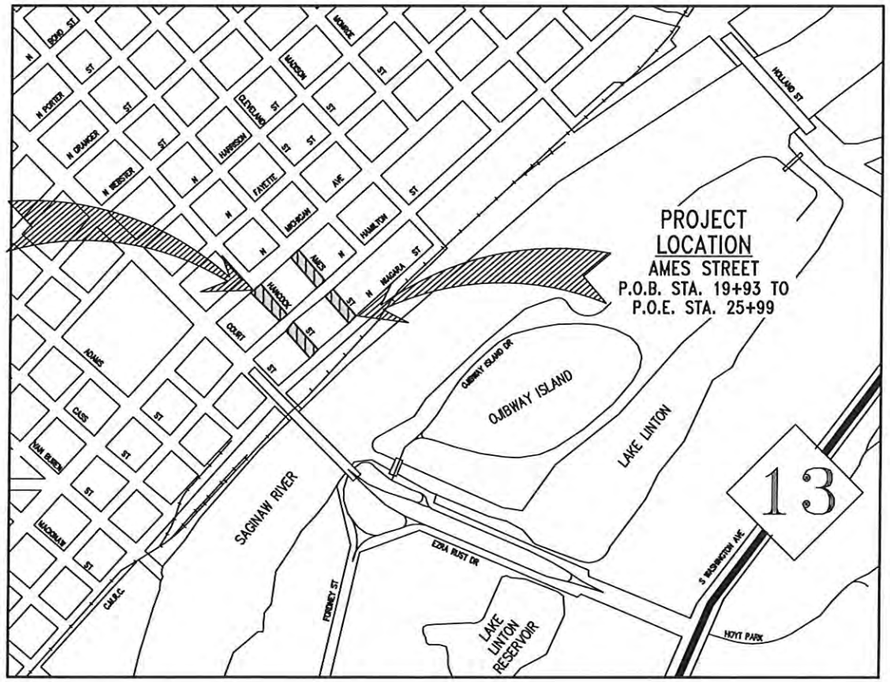
HANCOCK STREET TRAFFIC DATA

2021 A.D.T. – HANCOCK STREET..... 1,606
EST. FUTURE 2041 A.D.T. – HANCOCK STREET..... 1,960
EX. POSTED SPEED, HANCOCK STREET (MPH)..... 25
DESIGN SPEED HANCOCK STREET (MPH)..... 30
EST. COMMERCIAL TRAFFIC..... 10%

AMES STREET TRAFFIC DATA

2021 A.D.T. – AMES STREET..... 1,606
EST. FUTURE 2041 A.D.T. – AMES STREET..... 1,960
EST. POSTED SPEED, AMES STREET (MPH)..... 25
DESIGN SPEED AMES STREET (MPH)..... 30
EST. COMMERCIAL TRAFFIC..... 10%

PROJECT LOCATION
HANCOCK STREET
P.O.B. STA. 10+32 TO
P.O.E. STA. 15+95



LOCATION MAP
NOT TO SCALE

Know what's **below.**
Call before you dig.

HANCOCK STREET
P.O.B. STA. – 10+32
P.O.E. STA. – 15+95
NO WORK STA. 12+77 TO STA. 13+49

AMES STREET
P.O.B. STA. – 19+93
P.O.E. STA. – 25+99
NO WORK STA. 22+78 TO STA. 23+44

LENGTH = 1,031 FEET / 0.19 MILES

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS	
DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

THE PROPOSED IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2020 STANDARD SPECIFICATIONS, THE LATEST MDOT STANDARD ROAD PLANS, SECTION B (4R) OF MDOT LOCAL AGENCY PROGRAM GUIDELINES FOR GEOMETRICS DATED 7/24/17, AND IN ACCORDANCE WITH AASHTO, A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS, 2011.

THE PLACEMENT OF PAVEMENT MARKINGS AND SIGNS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2011 EDITION.

FOR ALL CONSTRUCTION ACTIVITY THAT DISTURBS 5 ACRES OR MORE OF LAND THE OWNER OF THE PROPERTY SHALL OBTAIN AN NPDES STORM WATER DISCHARGE NOTICE OF COVERAGE FOR CONSTRUCTION ACTIVITIES FROM THE EGLE AS REQUIRED UNDER P.A. 245. THE DISTURBED AREA FOR THIS PROJECT IS APPROXIMATELY 1.1 ACRES. AN NPDES NOTICE OF COVERAGE IS NOT REQUIRED FOR THIS PROJECT.

MISS DIG UTILITY ALERT

THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT MISS DIG UTILITY PROTECTION SERVICE (1-800-482-7171 OR 811) TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES. UNDERGROUND UTILITY LOCATIONS AS SHOWN ON THE PLANS WERE OBTAINED FROM UTILITY OWNERS AND WERE NOT FIELD LOCATED. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. ALL UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED WITH LIKE MATERIAL IN ACCORDANCE WITH THE UTILITY OWNERS REQUIREMENTS. THE CONTRACTOR SHALL VERIFY THE DEPTH AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES. THE EXACT LOCATION OF EXISTING UTILITIES SHALL BE DETERMINED BY HAND DIGGING.

MDOT STANDARD PLANS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR IN PLANS THEY ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARD PLANS GIVEN BELOW. THE MOST CURRENT VERSION AVAILABLE ON THE MDOT WEBSITE.

R-1-G DRAINAGE STRUCTURES
R-7-F COVER B
R-11-E MONUMENT BOXES
R-15-G COVER K
R-28-J SIDEWALK RAMP AND DETECTABLE WARNING DETAILS
R-29-I DRIVEWAY OPENINGS & APPROACHES AND CONCRETE SIDEWALKS
R-30-G CONCRETE CURB AND CONCRETE CURB & GUTTER
R-83-C UTILITY TRENCHES
R-96-E SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

MDOT TRAFFIC AND SAFETY STANDARD PLANS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR IN THE PLANS THEY ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARD PLANS GIVEN BELOW. THE MOST CURRENT VERSION AVAILABLE ON THE MDOT WEBSITE.

WZD-100-A* GROUND DRIVEN SIGN SUPPORTS FOR TEMP SIGNS
WZD-125-E* TEMPORARY TRAFFIC CONTROL DEVICES

* DENOTES SPECIAL DETAIL INCLUDED IN PROPOSAL

CONTRACT FOR 0.19 MILES OF RECONSTRUCTION OF HANCOCK STREET AND AMES STREET FROM NORTH NIAGARA STREET TO NORTH MICHIGAN AVENUE INCLUDING PAVEMENT REMOVAL, EARTHWORK, SUBBASE, AGGREGATE BASE, CURB AND GUTTER, HMA PAVING, SIDEWALKS, ADA SIDEWALK RAMPS, WATER MAIN, PAVEMENT MARKINGS, PERMANENT SIGNS, AND RESTORATION.

PREPARED UNDER SUPERVISION OF

RYAN D. BAIR, P.E. — 6201066544
REGISTERED PROFESSIONAL ENGINEER — REGISTRATION NO.

ROWE PROFESSIONAL SERVICES COMPANY
ORGANIZATION

540 S. SAGINAW ST. STE 200 FLINT, MI 48502
ADDRESS

STATE OF MICHIGAN — Ryan Daniel Bair — License No. 6201066544 — REGISTERED PROFESSIONAL ENGINEER

ROWE PROFESSIONAL SERVICES COMPANY

Ryan D. Bair

CITY OF SAGINAW APPROVAL

Digitally signed by Travis J. Hare
Date: 2026.04.17 11:21:50-04'00'

TRAVIS J. HARE, P.E.,
CITY ENGINEER

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1726	N/A	N/A	1

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS

STRUCTURE SYMBOLS

- EXISTING CATCH BASIN IN CURB LINE
- PROPOSED CATCH BASIN IN CURB LINE
- EXISTING CATCH BASIN IN GREEN SPACE
- PROPOSED CATCH BASIN IN GREEN SPACE
- EXISTING STORM MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED CULVERT END SECTION
- EXISTING HEADWALL
- PROPOSED HEADWALL
- EXISTING WATER SHUTOFF (SERVICE VALVE)
- EXISTING GATE VALVE AND BOX (STOP BOX)
- PROPOSED GATE VALVE AND BOX
- EXISTING GATE VALVE AND WELL
- PROPOSED GATE VALVE AND WELL
- EXISTING SPRINKLER HEAD
- EXISTING WATER WELL
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- PROPOSED WATER MAIN FITTINGS
- EXISTING CLEAN OUT
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER MANHOLE
- EXISTING MONITORING WELL

EXISTING TOPOGRAPHICAL SYMBOLS

- SIGN
- STREET SIGN
- END OF PIPE
- SWAMP OR WETLAND
- DECIDUOUS TREE
- CONIFEROUS TREE
- TREE STUMP
- MAIL BOX
- SOIL BORING
- ROCK
- METAL POST
- BUMPER BLOCK
- TRASH RECEPTACLE
- BENCH

UTILITY SYMBOLS

- UTILITY POLE
- GUY ANCHOR CABLE
- LIGHT POLE / ORNAMENTAL LIGHT
- POWER LIGHT POLE
- TELEPHONE MANHOLE
- UNDERGROUND GAS LINE MARKER
- GAS RISER
- GAS VENT
- GAS VALVE
- RAILROAD SIGNAL
- METAL LIGHT POLE
- OUTLET
- CIRCUIT BREAKER PANEL
- ELECTRICAL TRANSFORMER PAD
- ELECTRICAL TRANSFORMER RISER
- ELECTRIC METER
- TELEPHONE PEDESTAL / RISER
- TRAFFIC SIGNAL ON POLE
- PHONE BOOTH / PAY PHONE

SURVEY SYMBOLS

- MONUMENT
- BENCHMARK
- TRAVERSE POINT
- SECTION CORNER
- FOUND SURVEY MONUMENTATION

MISCELLANEOUS SYMBOLS

- EX 1812 — EXISTING STORM SEWER STRUCTURE NUMBER
- EX 5236 — EXISTING SANITARY SEWER STRUCTURE NUMBER
- 1 — PROPOSED STORM SEWER STRUCTURE NUMBER
- A — PROPOSED SANITARY SEWER STRUCTURE NUMBER
- FLOW DIRECTION
- EXISTING RIP-RAP
- PROPOSED RIP-RAP

CAUTION SYMBOLS

- ●●CAUTION●● HAZARDOUS FLAMMABLE MATERIAL UNDERGROUND — USED WITH UNDERGROUND GAS & ELECTRICAL LINES
- ●●CAUTION●● FIBER OPTIC — USED WITH FIBER OPTICS LINES

PLAN VIEW LINE TYPES

- 12" COMB — EXISTING COMBINED SEWER
- REMOVE EXISTING COMBINED SEWER
- 12" CONC — EXISTING CULVERT
- PROPOSED STORM SEWER LESS THAN 24"
- PROPOSED STORM SEWER 24" AND GREATER
- 12" SAN — EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- 12" WM - YEAR — EXISTING WATER MAIN
- REMOVE WATER MAIN
- ABANDON WATER MAIN
- PROPOSED WATER MAIN
- SECTION LINE
- 60' ROW — EXISTING RIGHT OF WAY
- 60' ROW — PROPOSED RIGHT OF WAY
- PROPOSED EASEMENT
- EXISTING CENTER LINE DITCH
- PROPOSED DITCH CENTERLINE
- EXISTING CENTER LINE ROADWAY
- PARCEL LINE / LOT LINE
- O/H — EXISTING OVERHEAD UTILITIES
- U/G ELEC — UNDERGROUND ELECTRICAL LINE
- 6" S-MP GAS — GAS LINE OR PETROLEUM PIPELINE
- U/G TEL — UNDERGROUND TELEPHONE LINE
- U/G CATV — UNDERGROUND CABLE TV LINE
- U/G FIBER OPTIC — UNDERGROUND FIBER OPTIC
- 11+00 — PROJECT CONTROL LINE
- TREE LINE
- BRUSH LINE
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED SLOPE STAKE LINE
- PROPOSED SILT FENCE

TOPOGRAPHY

- 960 — EXISTING CONTOURS MAJOR
- 958 — EXISTING CONTOURS MINOR
- 960 — PROPOSED CONTOUR MAJOR
- 958 — PROPOSED CONTOURS MINOR

PARCEL INFORMATION

- 401-069 — PARCEL/TAX IDENTIFICATION NUMBER
- #5324 — ADDRESS/BUSINESS NAME

CURB IDENTIFICATION

- EXISTING CURB AND GUTTER
- PROPOSED CURB AND GUTTER

HATCHING LEGEND

- REMOVE PAVEMENT, CURB AND GUTTER, AND CURB
- REMOVE SIDEWALK
- 4 INCH SIDEWALK CONCRETE
- 4 INCH SIDEWALK RAMP CONCRETE
- 7 INCH SIDEWALK CONCRETE
- 7 INCH SIDEWALK RAMP CONCRETE
- 7 INCH DRIVEWAY CONCRETE
- DETECTABLE WARNING SURFACE
- PROPOSED HMA PAVEMENT
- PROPOSED ADA SIDEWALK ROUTE

PROPOSED CALLOUTS

TOPO CALLOUTS	PLAN VIEW	
ADJ	(ADJ)	ADJUST STRUCTURE
ADJ-_	(ADJ-_)	ADJUST STRUCTURE W/ NEW COVER
ADJ-V	(ADJ-V)	ADJUST VALVE COVER
ADJ-B/O	(ADJ-B/O)	ADJUST STRUCTURE BY OTHERS
REC	(REC)	RECONSTRUCT STRUCTURE
REL	(REL)	RELOCATE
REL-B/O	(REL-B/O)	RELOCATE BY OTHERS
REM	(R)	REMOVE
R&R	(R&R)	REMOVE AND REPLACE
SALV	(SALV)	SALVAGE
SAVE	(S)	SAVE
ABN	(A)	ABANDON
CLR	(C)	CLEARING
	(B)	BULKHEAD
	(SR-F)	SIDEWALK RAMP TYPE
	29	MDOT SOIL EROSION CONTROL MEASURE
	B-B	BACK OF CURB TO BACK OF CURB

Know what's **below.** **Call** before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

LEGEND SHEET
HANCOCK & AMES RECONSTRUCTION

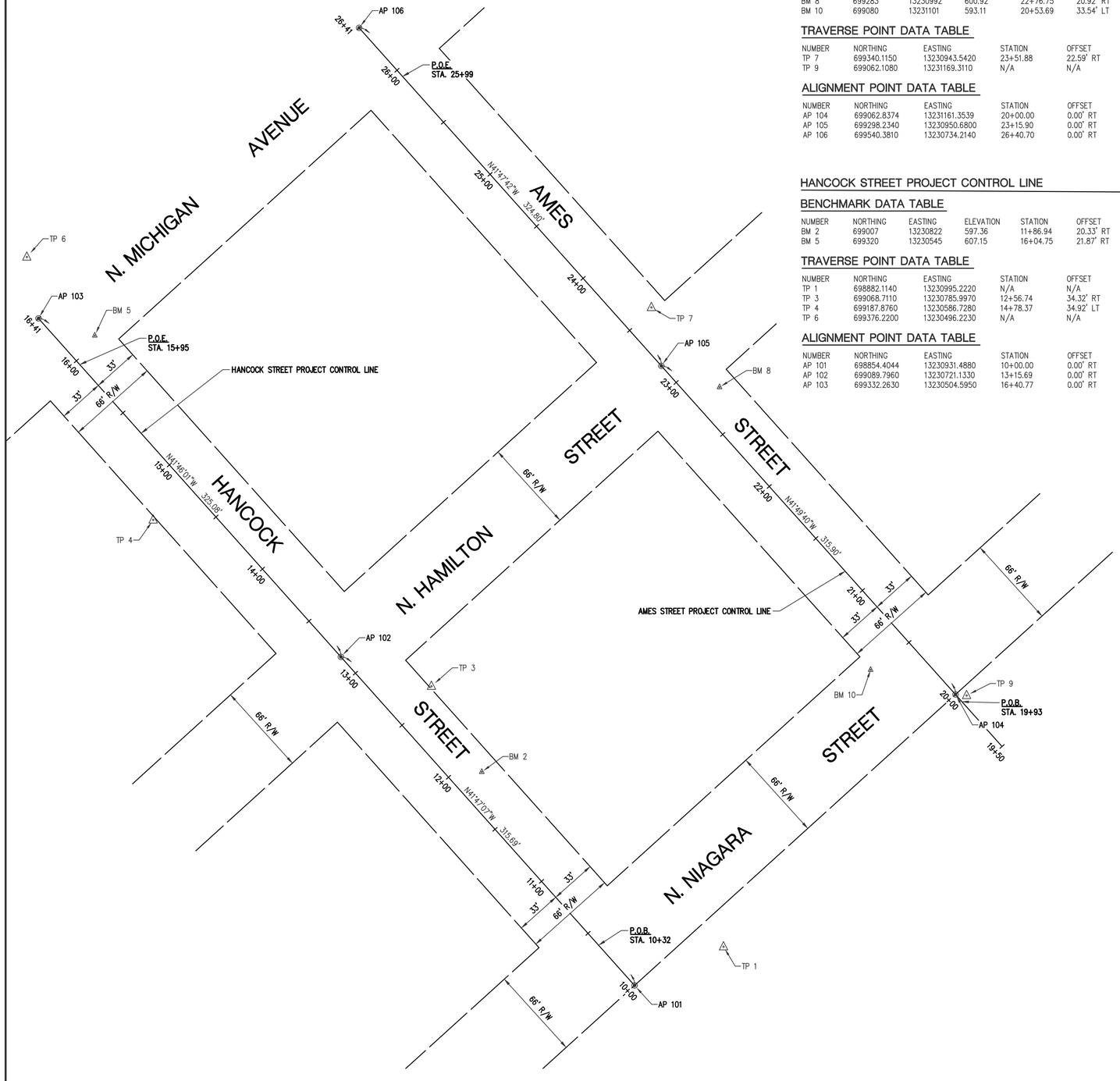
DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE NOT TO SCALE
SHEET 2 OF 24 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1726			2

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS



AMES STREET PROJECT CONTROL LINE

BENCHMARK DATA TABLE

NUMBER	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
BM 8	699283	13230992	600.92	22+76.75	20.92' RT	SET RAILROAD SPIKE IN SOUTH FACE OF POWER POLE IN THE NORTHEAST QUADRANT OF AMES STREET & N. HAMILTON STREET
BM 10	699080	13231101	593.11	20+53.69	33.54' LT	SET RAILROAD SPIKE IN NORTHEAST FACE OF POWER POLE IN THE SOUTHWEST QUADRANT OF AMES STREET & N. NIAGARA STREET

TRAVERSE POINT DATA TABLE

NUMBER	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
TP 7	699340.1150	13230943.5420	23+51.88	22.59' RT	SET ROD WITH ROWE TRAVERSE CAP, 3'± NORTH OF BACK OF CURB OF AMES STREET & 33'± WEST OF CENTERLINE OF N. HAMILTON STREET
TP 9	699062.1080	13231169.3110	N/A	N/A	SET ROD WITH ROWE TRAVERSE CAP, IN LINE WITH THE CENTERLINE OF AMES STREET & 42'± EAST OF CENTERLINE OF N. NIAGARA STREET

ALIGNMENT POINT DATA TABLE

NUMBER	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
AP 104	699062.8374	13231161.3539	20+00.00	0.00' RT	POINT OF BEGINNING OF AMES STREET ALIGNMENT
AP 105	699298.2340	13230950.6800	23+15.90	0.00' RT	POINT OF INTERSECTION OF AMES STREET ALIGNMENT
AP 106	699540.3810	13230734.2140	26+40.70	0.00' RT	POINT OF ENDING OF AMES STREET ALIGNMENT

HANCOCK STREET PROJECT CONTROL LINE

BENCHMARK DATA TABLE

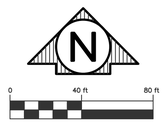
NUMBER	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
BM 2	699007	13230822	597.36	11+86.94	20.33' RT	SET RAILROAD SPIKE IN SOUTH FACE OF SECOND POWER POLE EAST OF N. HAMILTON STREET ON NORTH SIDE OF HANCOCK STREET
BM 5	699320	13230545	607.15	16+04.75	21.87' RT	SET RAILROAD SPIKE IN SOUTH FACE OF POWER POLE IN THE NORTHEAST QUADRANT OF N. MICHIGAN AVENUE & HANCOCK STREET

TRAVERSE POINT DATA TABLE

NUMBER	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
TP 1	698882.1140	13230995.2220	N/A	N/A	SET ROD WITH ROWE TRAVERSE CAP, 50'± EAST OF CENTERLINE OF N. NIAGARA STREET & 21'± NORTH OF CHAINLINK FENCE AT EAST END OF HANCOCK STREET
TP 3	699068.7110	13230785.9970	12+56.74	34.32' RT	SET ROD WITH ROWE TRAVERSE CAP, 6.5'± NORTH OF BACK OF WALK OF HANCOCK STREET & 24'± EAST OF BACK OF WALK OF N. HAMILTON STREET
TP 4	699187.8760	13230586.7280	14+78.37	34.92' LT	SET ROD WITH ROWE TRAVERSE CAP, 15'± SOUTH OF BACK OF CURB OF HANCOCK STREET & 9'± WEST OF WEST WALL OF BUILDING #411
TP 6	699376.2200	13230496.2230	N/A	N/A	SET ROD WITH ROWE TRAVERSE CAP, 3'± WEST OF BACK OF CURB OF N. MICHIGAN AVENUE & 24'± NORTH OF CENTERLINE OF HANCOCK STREET

ALIGNMENT POINT DATA TABLE

NUMBER	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
AP 101	698854.4044	13230931.4880	10+00.00	0.00' RT	POINT OF BEGINNING OF HANCOCK STREET ALIGNMENT
AP 102	699089.7960	13230721.1330	13+15.69	0.00' RT	POINT OF INTERSECTION OF HANCOCK STREET ALIGNMENT
AP 103	699332.2630	13230504.5950	16+40.77	0.00' RT	POINT OF ENDING OF HANCOCK STREET ALIGNMENT



LEGEND

- BENCHMARK
- ALIGNMENT POINT
- TRAVERSE POINT
- SECTION CORNER

NOTES:

VERTICAL DATUM IS NAVD88
HORIZONTAL DATUM IS MICHIGAN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE NAD83 (2011)
UNITS ARE INTERNATIONAL FEET.

Know what's **below.**
Call before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

ALIGNMENT AND CONTROL DATA SHEET
HANCOCK & AMES RECONSTRUCTION

DESIGNED BY	RDB	CONSTRUCTED	
DRAWN BY		DATE OF PLAN	APRIL 2026
CHECKED BY	DPS	SCALE	1" = 40'
APPROVED BY		SHEET	3 OF 24 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1726			3

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS

HANCOCK STREET & AMES STREET RECONSTRUCTION																							
ITEM NO.	DESCRIPTION	UNIT		MAINTAINING TRAFFIC PLAN		REMOVAL SHEET HANCOCK STREET	CONSTRUCTION PLAN SHEET HANCOCK STREET		REMOVAL SHEET AMES STREET	CONSTRUCTION PLAN SHEET AMES STREET		WATER MAIN PLAN AND PROFILE HANCOCK STREET	WATER MAIN PLAN AND PROFILE AMES STREET		PAVEMENT MARKING AND SIGNING SHEET		MISCELLANEOUS QUANTITIES AS DIRECTED BY ENGINEER	TOTAL	UNIT
	SHEET NO.			5		13	14		16	17		22	23		24				
1100001	Mobilization, Max 10%	LSUM		–		–	–		–	–		–	–		–		1	1	LSUM
2030011	Dr Structure, Rem	Ea		–		1	–		2	–		–	–		–		–	3	Ea
2030015	Sewer, Rem, Less than 24 inch	Ft		–		–	–		24	–		–	–		–		20	44	Ft
2040055	Sidewalk, Rem	Syd		–		1325	–		1015	–		–	–		–		–	2340	Syd
2040061	Structures, Rem Portions	LSUM		–		–	–		–	–		–	–		–		1	1	LSUM
2040070	Utility Pole, Rem	Ea		–		1	–		–	–		–	–		–		–	1	Ea
2047001	Exploratory Investigation, Vertical, Modified	Ft		–		–	–		–	–		–	–		–		60	60	Ft
2047011	Pavt, Rem, Modified	Syd		–		2205	–		2210	–		–	–		–		–	4415	Syd
2050031	Non Haz Contaminated Material Handling and Disposal, LM	Cyd		–		–	–		–	–		–	–		–		50	50	Cyd
2050041	Subgrade Undercutting, Type II	Cyd		–		–	–		–	–		–	–		–		50	50	Cyd
2057002	Machine Grading, Modified	Sta		–		–	5		–	5		–	–		–		–	10	Sta
2060002	Backfill, Structure, CIP	Cyd		–		–	–		–	–		–	–		–		230	230	Cyd
2080020	Erosion Control, Inlet Protection, Fabric Drop	Ea		–		6	2		2	5		–	–		–		–	15	Ea
3010002	Subbase, CIP	Cyd		–		–	750		–	750		–	–		–		–	1500	Cyd
3027011	Aggregate Base, 4 inch, Modified	Syd		–		–	260		–	270		–	–		–		–	530	Syd
3027011	Aggregate Base, 9 inch, Modified	Syd		–		–	1975		–	1960		–	–		–		–	3935	Syd
3067031	Maintenance Gravel, Modified	Ton		–		–	–		–	–		–	–		–		100	100	Ton
3087011	Geotextile, Separator, Modified	Syd		–		–	2235		–	2230		–	–		–		–	4465	Syd
4027001	Sewer, 6 inch, SDR-26	Ft		–		–	16		–	35		–	–		–		–	51	Ft
4027001	Sewer, 12 inch, SDR-26	Ft		–		–	57		–	–		–	–		–		–	57	Ft
4027050	Sewer Trap	Ea		–		–	1		–	2		–	–		–		–	3	Ea
4030306	Dr Structure, Tap, 6 inch	Ea		–		–	1		–	1		–	–		–		–	2	Ea
4037001	Combined Sewer Manhole, Adj, Add Depth	Ft		–		–	5		–	1		–	–		–		–	6	Ft
4037050	Combined Sewer Manhole, Cover, Adj, Case 1	Ea		–		–	6		–	3		–	–		–		–	9	Ea
4037050	Dr Structure Cover, ADA Compliant, Modified	Ea		–		–	–		–	1		–	–		–		–	1	Ea
4037050	Dr Structure Cover, Type B, Modified	Ea		–		–	6		–	3		–	–		–		–	9	Ea
4037050	Dr Structure Cover, Type K, Modified	Ea		–		–	2		–	1		–	–		–		–	3	Ea
4037050	Dr Structure, 48 inch dia, Modified	Ea		–		–	2		–	2		–	–		–		–	4	Ea
4037050	Gas and Water Shutoff, Adj, Modified	Ea		–		–	7		–	6		–	–		–		–	13	Ea
5010025	Hand Patching	Ton		–		–	–		–	4		–	–		–		–	4	Ton
5012024	HMA, 4EL	Ton		–		–	250		–	250		–	–		–		–	500	Ton
5012036	HMA, 5EL	Ton		–		–	250		–	250		–	–		–		–	500	Ton
6030005	Cement	Ton		–		–	–		–	–		–	–		–		3	3	Ton
8017011	Driveway, Nonreinf Conc, 7 inch, Modified	Syd		–		–	78		–	161		–	–		–		–	239	Syd
8027001	Curb and Gutter, Conc, Det F2, Modified	Ft		–		–	927		–	951		–	–		–		–	1878	Ft
8037001	Curb Ramp Opening, Conc, Modified	Ft		–		–	8		–	28		–	–		–		–	36	Ft
8037001	Detectable Warning Surface, Modified	Ft		–		–	25		–	23		–	–		–		–	48	Ft
8037010	Curb Ramp, Conc, 4 inch, Modified	Sft		–		–	92		–	530		–	–		–		–	622	Sft
8037010	Curb Ramp, Conc, 7 inch, Modified	Sft		–		–	135		–	580		–	–		–		–	715	Sft
8037010	Sidewalk, Conc, 4 inch, Modified	Sft		–		–	8935		–	4865		–	–		–		–	13800	Sft
8037010	Sidewalk, Conc, 7 inch, Modified	Sft		–		–	745		–	1800		–	–		–		–	2545	Sft
8100371	Post, Steel, 3 pound	Ft		–		–	–		–	–		–	–		340		–	340	Ft
8100403	Sign, Type III, Rem	Ea		–		32	–		25	–		–	–		–		–	57	Ea
8100404	Sign, Type IIIA	Sft		–		–	–		–	–		–	–		99		–	99	Sft
8100551	Post, Flexible, Delineator, Surface Mtd, 36 inch	Ea		–		–	–		–	–		–	–		25		–	25	Ea
8110024	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	Ft		–		–	–		–	–		–	–		675		–	675	Ft
8110045	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	Ft		–		–	–		–	–		–	–		18		–	18	Ft
8110232	Pavt Mrkg, Waterborne, 4 inch, Yellow	Ft		–		–	–		–	–		–	–		1812		–	1812	Ft
8110252	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	Ft		–		–	–		–	–		–	–		1812		–	1812	Ft
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea		43		–	–		–	–		–	–		–		–	43	Ea
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea		43		–	–		–	–		–	–		–		–	43	Ea
8120026	Pedestrian Type II Barricade, Temp	Ea		32		–	–		–	–		–	–		–		–	32	Ea
8120100	Dust Palliative, Applied	Ton		3		–	–		–	–		–	–		–		–	3	Ton
8120170	Minor Traf Devices	LSUM		1		–	–		–	–		–	–		–		–	1	LSUM
8120252	Plastic Drum, Fluorescent, Furn	Ea		30		–	–		–	–		–	–		–		–	30	Ea
8120253	Plastic Drum, Fluorescent, Oper	Ea		30		–	–		–	–		–	–		–		–	30	Ea
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft		295		–	–		–	–		–	–		–		–	295	Sft
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft		295		–	–		–	–		–	–		–		–	295	Sft
8120352	Sign, Type B, Temp, Prismatic, Spec, Furn	Sft		135		–	–		–	–		–	–		–		–	135	Sft
8120353	Sign, Type B, Temp, Prismatic, Spec, Oper	Sft		135		–	–		–	–		–	–		–		–	135	Sft
8120370	Traf Regulator Control	LSUM		1		–	–		–	–		–	–		–		–	1	LSUM
8167011	Turf Establishment, Performance	Syd		–		–	–		–	–		–	–		–		250	250	Syd
8210010	Monument Preservation	Ea		–		1	–		1	–		–	–		–		–	2	Ea
8217050	Monument Box, Modified	Ea		–		–	1		–	–		–	–		–		–	1	Ea
8230051	Gate Valve and Box, 6 inch	Ea		–		–	–		–	–		1	1		–		–	2	Ea
8230054	Gate Valve and Box, 12 inch	Ea		–		–	–		–	–		3	–		–		–	3	Ea
8230055	Gate Valve and Box, 16 inch	Ea		–		–	–		–	–		–	2		–		–	2	Ea
8237001	Water Main, 4 inch, Tr Det G, Modified	Ft		–		–	–		–	–		5	5		–		–	10	Ft
8237001	Water Main, 6 inch, Tr Det G, Modified	Ft		–		–	–		–	–		30	50		–		–	80	Ft
8237001	Water Main, 8 inch, Tr Det G, Modified	Ft		–		–	–		–	–		6	–		–		–	6	Ft
8237001	Water Main, 12 inch, Tr Det G, Modified	Ft		–		–	–		–	–		490	–		–		–	490	Ft
8237001	Water Main, DI, 16 inch, Tr Det G, Modified	Ft		–		–	–		–	–		–	477		–		–	477	Ft
8237050	Connection To Existing 4 inch Water Main	Ea		–		–	–		–	–		1	1		–		–	2	Ea
8237050	Connection To Existing 6 inch Water Main	Ea		–		–	–		–	–		–	1		–		–	1	Ea
8237050	Connection To Existing 8 inch Water Main	Ea		–		–	–		–	–		1	–		–		–	1	Ea
8237050	Connection To Existing 12 inch Water Main	Ea		–		–	–		–	–		3	–		–		–	3	Ea
8237050	Connection To Existing 16 inch Water Main	Ea		–		–	–		–	–		1	4		–		–	5	Ea
8237050	Hydrant, Rem, Modified	Ea		–		–	–		–	–		–	1		–		–	1	Ea
8237050	Hydrant, Complete, 6 inch	Ea		–		–	–		–	–		–	1		–		–	1	Ea
8237050	Water Serv, Modified	Ea		–		–	–		–	–		2	3		–		–	5	Ea
8237050	Water Serv, Long, Modified	Ea		–		–	–		–	–		6	2		–		–	8	Ea
8237050	Water Serv, Private	Ea		–		–	–		–	–		5	5		–		–	10	Ea
8237051	Abandon Existing Water Main, In Place	LSUM		–		–	–		–	–		–	–		–		1	1	LSUM
8507010	Masonry Filler Wall	Sft		–		–	–		–	–		–	–		–		350	350	Sft

GENERAL CONSTRUCTION NOTES

1. CONSTRUCTION SITE ACCESS
THE CONTRACTOR SHALL PROVIDE REASONABLE ACCESS TO ALL DRIVEWAYS AND SIDEWALKS FOR BUSINESSES AND RESIDENTS.

2. CONSTRUCTION SITE SAFETY
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR; NEITHER THE CITY NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR THE SAFETY OF THE WORK OF PERSONS ENGAGED IN THE WORK, OR NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

3. SUBSURFACE SOIL CONDITIONS
THE CONTRACTOR IS RESPONSIBLE TO ACQUAINT THEMSELVES WITH CONDITIONS OF THE WORK AREA. THE CONTRACTOR IS ADVISED TO DETERMINE THE SUBSURFACE SOIL CONDITIONS AND GROUND WATER CONDITIONS TO THEIR OWN SATISFACTION PRIOR TO BIDDING. NO MODIFICATIONS TO THE UNIT PRICES BID FOR ANY ITEM WILL BE MADE DUE TO VARIABLE SUBSURFACE CONDITIONS. DEWATERING, IF DETERMINED NECESSARY BY THE CONTRACTOR, BY WELL POINTING OR DEEP WELLS WILL BE INCLUSIVE TO THE INSTALLATION COST OF THE UTILITY. FOR EXCAVATION TO DETERMINE SOILS CONTENT AND GROUND WATER LEVELS ON PRIVATE PROPERTY, THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION OF THE CITY PRIOR TO EXCAVATING OR BORING. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO ORIGINAL CONDITIONS.

4. LOCATION & ELEVATION OF UNDERGROUND UTILITIES
THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLANS WERE OBTAINED FROM UTILITY OWNERS AND ARE ONLY APPROXIMATE. NO GUARANTEE AS TO ACCURACY IS EITHER EXPRESSED OR IMPLIED. THE DESIGN ENGINEER IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION OR THE LOCATION OF WHICH THESE SERVICES EXIST. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AND PROPOSED UTILITY CROSSINGS IN THE FIELD PRIOR TO CONSTRUCTION. DIFFERING FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR SHALL ASSUME THE RESPONSIBILITY FOR THE PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. ALL UTILITIES DAMAGED BY THIS CONSTRUCTION SHALL BE REPAIRED WITH LIKE MATERIALS IN ACCORDANCE WITH THE UTILITY OWNERS REQUIREMENTS.

THE CONTRACTOR SHALL BE REQUIRED TO EXPOSE ALL EXISTING UTILITY CONNECTION POINTS PRIOR TO CONSTRUCTION OF PROPOSED UTILITIES AND REPORT ANY DISCREPANCIES TO THE ENGINEER. THE CONTRACTOR SHALL VERIFY THE DEPTH AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES BY HAND DIGGING AND SHALL NOTIFY THE CONSTRUCTION REVIEWER AND ENGINEER OF ANY PROBLEM AREAS. ALL LABOR REQUIRED TO UNCOVER THE EXISTING UTILITIES SHALL BE CONSIDERED INCLUDED IN THE LINEAL FEET OF UTILITY INSTALLED. THE CONTRACTOR SHALL ARRANGE FOR THE VARIOUS UTILITIES TO LOCATE, REMOVE AND REPLACE, OR RELOCATE THEIR FACILITIES IN ACCORDANCE WITH THE RESPECTIVE UTILITY COMPANIES POLICY. ALL COST SHALL BE INCLUSIVE OF THE WORK.

5. PROTECTION OF HAZARDOUS AREAS
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATION AND HAZARDOUS AREAS. MATERIALS USED FOR PROTECTING THESE AREAS SUCH AS BARRICADES LEFT IN PLACE AT NIGHT SHALL BE LIGHTED.

6. EXISTING UTILITIES
THE CONTRACTOR SHALL MAINTAIN ALL EXISTING SANITARY SEWER, WATER OR STORM SEWER SERVICE CONNECTIONS IN SERVICE THROUGHOUT THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL PROVIDE OR ARRANGE FOR TEMPORARY SUPPORT OF GAS MAIN AND UTILITY POLES WHERE NEEDED. ALL STORM SEWER DAMAGED, REMOVED OR RELOCATED BY THE CONTRACTOR SHALL BE REPLACED WITH THE SAME SIZE AND QUALITY PIPE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT. ALL UTILITIES UNDERMINED BY THE EXCAVATION SHALL HAVE CRUSHED STONE 6A PLACED UNDER THEM.

7. FINAL ELEVATION OF SURFACE UTILITIES
ALL FINAL ELEVATIONS OF MANHOLE CASTINGS, HYDRANTS, VALVES AND VALVE BOXES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. ADJUSTMENTS TO BE MADE AT NO ADDITIONAL COST TO CITY.

8. SOIL EROSION & SEDIMENTATION CONTROL RELEASE
PRIOR TO FINAL REVIEW AND APPROVAL THE CONTRACTOR SHALL REQUEST A FINAL INSPECTION OF ALL SOIL EROSION SEDIMENTATION CONTROL MEASURES AND RECEIVE WRITTEN APPROVAL FROM THE ENFORCING AGENCY. THE SOIL EROSION & SEDIMENTATION CONTROL BOND WILL BE RELEASED AT THIS TIME.

9. CONSTRUCTION STAKING
CONSTRUCTION STAKING SHALL BE PROVIDED BY THE CITY.

10. TOPOGRAPHICAL INFORMATION
ALL TOPOGRAPHICAL INFORMATION WAS PROVIDED BY THE ENGINEER. ANY DIFFERENCES FOUND IN FIELD SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

11. IRRIGATION SYSTEMS
WHERE IRRIGATION SYSTEMS WITHIN THE PUBLIC RIGHT OF WAY WILL INTERFERE WITH THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNERS THAT IT IS THEIR RESPONSIBILITY TO REMOVE AND PROTECT THEIR IRRIGATION SYSTEM. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A COPY OF THE NOTIFICATION.

WHERE THE OWNER HAS NOT REMOVED THEIR PRIVATE IRRIGATION SYSTEM, THE CONTRACTOR SHALL CUT AND PLUG THOSE SECTIONS OF PIPING WHICH INTERFERE WITH CONSTRUCTION. SPRINKLER HEADS, VALVES, AND PIPING WHICH INTERFERE WITH THE CONTRACTOR'S WORK SHALL BE REMOVED AND STOCKPILED AT THE BACK OF THE RIGHT OF WAY. COST SHALL BE INCLUDED IN THE WATER MAIN SERVICE LEAD PAY ITEM.

12. SALVAGE NOTE
THE CONTRACTOR SHALL TAKE CARE IN REMOVING AND SALVAGING ALL CASTINGS, HYDRANTS, TRAFFIC SIGNS AND TRAFFIC SIGNAL LIGHTS. UPON REMOVAL, THE CONTRACTOR SHALL COORDINATE PICK-UP OF THE SALVAGED ITEMS BY THE CITY. SALVAGING REMOVED ITEMS SHALL BE INCLUDED IN THE COST OF REMOVAL OF EACH RESPECTIVE ITEM.

GRADING NOTES

1. THE CONTRACTOR SHALL USE ALL MEANS NECESSARY TO PROTECT MATERIALS BEFORE, DURING AND AFTER THE INSTALLATION AND TO PROTECT ALL OBJECTS DESIGNATED TO REMAIN. IN THE EVENT OF DAMAGE, THE CONTRACTOR SHALL IMMEDIATELY MAKE ALL REPAIRS AND REPLACEMENTS NECESSARY FOR THE APPROVAL OF THE ENGINEER AT NO ADDITIONAL COST TO THE CITY.

2. STUMPS SHALL BE REMOVED IN THEIR ENTIRETY AND DISPOSED OF AWAY FROM THE PROJECT AREA IN AN ACCEPTABLE MANNER. BURNING OR BURYING ALONG THE PROJECT ROUTE IS NOT ACCEPTABLE.

3. COMPACTION BY JETTING WILL NOT BE PERMITTED UNLESS SPECIFICALLY AUTHORIZED BY THE ENGINEER.

4. WHERE DEPRESSIONS RESULT FROM, OR HAVE RESULTED FROM, THE REMOVAL OF SURFACE OR SUBSURFACE OBSTRUCTIONS, THE CONTRACTOR SHALL OPEN THE DEPRESSION TO EQUIPMENT WORKING WIDTH AND REMOVE ALL DEBRIS AND SOFT MATERIAL AS DIRECTED BY THE ENGINEER.

5. THE CONTRACTOR SHALL PROVIDE BERMS OR CHANNELS TO PREVENT FLOODING OF SUBGRADE AND PROMPTLY REMOVE ALL WATER COLLECTING IN ANY DEPRESSIONS.

6. THE CONTRACTOR SHALL DEWATER BY MEANS WHICH WILL ENSURE DRY EXCAVATION AND THE PRESERVATION OF THE FINAL LINES AND GRADES AT BOTTOMS OF EXCAVATIONS.

7. THE CONTRACTOR SHALL NOT ALLOW OR CAUSE ANY OF THE WORK PERFORMED OR INSTALLED TO BE COVERED UP OR ENCLOSED PRIOR TO ALL REQUIRED INSPECTIONS, TESTS AND APPROVALS. SHOULD ANY OF THE WORK BE COVERED UP BEFORE IT HAS BEEN APPROVED, THE CONTRACTOR SHALL UNCOVER ALL SUCH WORK AT NO ADDITIONAL COST TO THE CITY. AFTER THE WORK HAS BEEN COMPLETELY TESTED, INSPECTED, AND APPROVED, THE CONTRACTOR SHALL MAKE ALL REPAIRS AND REPLACEMENTS NECESSARY TO RESTORE THE WORK TO THE CONDITION IN WHICH IT WAS FOUND AT THE TIME OF UNCOVERING ALL AT NO ADDITIONAL COST TO THE CITY.

8. THE CONTRACTOR SHALL EXCAVATE AHEAD OF THE PROPOSED UTILITY INSTALLATION TO EXPOSE ANY EXISTING BURIED UTILITIES. IF EXISTING UTILITY GRADES CONFLICT WITH THE PROPOSED UTILITY GRADE, THE PROPOSED UTILITY GRADE MAY BE ADJUSTED SLIGHTLY BY THE ENGINEER, IF NECESSARY, TO MISS THE EXISTING UTILITY GRADE AT NO ADDITIONAL COST TO THE CITY.

9. THE WORK SHALL INCLUDE PROVIDING DRAINAGE SWALES WHERE NECESSARY TO PROMOTE POSITIVE DRAINAGE.

10. GRADES IN OPEN SPACES SHALL BE A MINIMUM OF 1% AND A MAXIMUM OF 3:1.

811 Know what's **below.** **Call** before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

GENERAL NOTES AND QUANTITY SHEET
HANCOCK & AMES RECONSTRUCTION

DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE NOT TO SCALE
SHEET 4 OF 24 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	ITEM	SHEET NO.
N/A	C-1726			4

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS

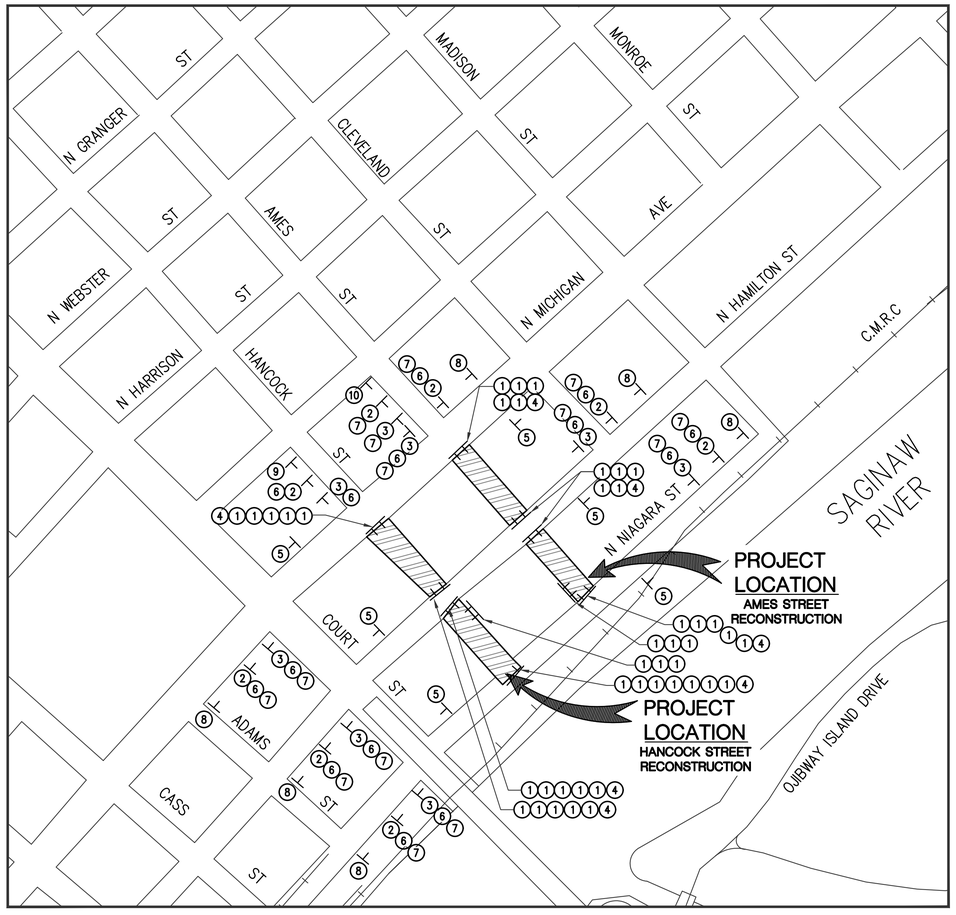
QUANTITIES

*MAXIMUM NUMBER OF SIGNS REQUIRED

SYMBOL	SIGN	DESIGNATION	SIZE	NUMBER OF SIGNS
①		TYPE III BARRICADE	8'	43
②	ROAD WORK AHEAD	W20-1	36" X 36" (9 SFT)	8
③	ROAD CLOSED AHEAD	W20-3	36" X 36" (9 SFT)	8
④	ROAD CLOSED TO THRU TRAFFIC	R11-4	60" X 30" (12.5 SFT)	7
⑤	END ROAD WORK	G20-2	36" X 18" (4.5 SFT)	6
⑥	HANCOCK ST	D3-1 SPECIAL	30" X 6" (1.25 SFT)	14
⑦	AMES ST	D3-1 SPECIAL	30" X 6" (1.25 SFT)	14
⑧	HANCOCK ST / AMES ST CLOSED FROM NIAGRA TO MICHIGAN	SPECIAL	60" X 30" (12.5 SFT)	6
⑨	HANCOCK ST CLOSED FROM NIAGRA TO MICHIGAN	SPECIAL	60" X 30" (12.5 SFT)	1
⑩	AMES ST CLOSED FROM NIAGRA TO MICHIGAN	SPECIAL	60" X 30" (12.5 SFT)	1

MISCELLANEOUS SIGNS

SIDEWALK CLOSED	R9-9	24" X 12"	16
	PEDESTRIAN TYPE II BARRICADE, TEMP	4'	32



LEGEND

- TYPE III BARRICADE
- SIGNS
- WORK ZONE

NOTES

1. TRAFFIC CONTROL DURING CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE 2011 MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE MDOT 2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION, SECTION 812; EXCEPT AS MODIFIED ON THE PLANS, IN THE SPECIAL PROVISIONS, OR BY THE ENGINEER.
2. HANCOCK STREET AND AMES STREET SHALL BE CLOSED TO THROUGH TRAFFIC AND DETOURED AS SHOWN ON THIS PLAN SHEET. FOLLOW MDOT MAINTAINING TRAFFIC TYPICALS 101-GEN AND 102-GEN. ALL WARNING SIGNS INCLUDED IN THE MDOT MAINTAINING TRAFFIC TYPICALS SHALL BE 36" X 36". WHERE SIGNS DETAILED ON THE MDOT MAINTAINING TRAFFIC TYPICALS HAVE BEEN PLACED AS PART OF THE OVERALL MAINTAINING TRAFFIC SIGNING, THEY SHALL BE OMITTED FROM THE LANE CLOSURE SIGN SEQUENCE.
3. EMERGENCY VEHICLE AND LOCAL TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING THE LIFE OF THE PROJECT.
4. CONTRACTOR SHALL NOTIFY THE CITY OF SAGINAW, VIA TRAVIS HARE (THARE@SAGINAW-MI.COM) AND RONALD RANGEL (RRANGEL@SAGINAW-MI.COM), THREE WORKING DAYS PRIOR TO PLACING TRAFFIC CONTROL DEVICES.
5. THREE WORKING DAYS PRIOR TO DRIVING POSTS FOR SIGNS, THE CONTRACTOR SHALL CALL MISS DIG (1-800-482-7171 OR 811) FOR THE LOCATION OF UNDERGROUND UTILITIES.
6. WHERE EXCAVATION OR OTHER WORK RESULTS IN A GRADE DIFFERENCE OR OTHER HAZARD TO LOCAL TRAFFIC, PLASTIC DRUMS SHALL BE PROVIDED AS DIRECTED BY ENGINEER AT INTERVALS AND EACH SIDE OF DRIVEWAYS OR INTERSECTING STREETS. SHALL BE PAID FOR AS PLASTIC DRUM, FLUORESCENT, FURN & OPER.
7. ALL BARRICADES LEFT IN PLACE AT NIGHT SHALL BE LIGHTED. ADVANCE WARNING SIGNS SHALL BE PROVIDED WITH A DAY-GLOW ORANGE FLAG FOR DAY USE AND TWO LIGHTS FOR NIGHT USE.
8. PAYMENT FOR TEMPORARY SIGNS AND BARRICADES WILL BE BASED ON THE MAXIMUM QUANTITY, AT ANY TIME, OF EACH TYPE REQUIRED DURING THE LIFE OF THE PROJECT. IF BARRICADES OR SIGNS ARE REMOVED FROM ONE LOCATION AND RELOCATED FOR USE AT ANOTHER LOCATION, THEY WILL NOT BE CONSIDERED ELIGIBLE FOR REPAYMENT.
9. WHEN LOCAL TRAFFIC IS MAINTAINED ON A TEMPORARY SURFACE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERIODICALLY GRADE AND MAINTAIN THE SURFACE. DUST CONTROL MEASURES SHALL BE PROVIDED AS DIRECTED BY THE ENGINEER.
10. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A DETAILED CONSTRUCTION SCHEDULE PRIOR TO BEGINNING WORK.
11. THE CONTRACTOR SHALL NOTIFY POLICE, FIRE, HOSPITAL, AND EMERGENCY AGENCIES THREE DAYS IN ADVANCE OF, AND THE DAY OF, IMPLEMENTING THE ROAD CLOSURE. WRITTEN VERIFICATION OF THE CONTRACTOR'S CALL MUST BE PROVIDED BY THE CONTRACTOR TO THE CITY.
12. IF ACCESS FROM DRIVEWAYS IS DENIED FOR ANY PERIOD OF TIME BECAUSE OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER AND NOTIFY THE AFFECTED BUSINESSES OR RESIDENTS IN WRITING 48 HOURS PRIOR TO THE CLOSING.
13. SEE SPECIAL PROVISION FOR MAINTAINING TRAFFIC FOR ADDITIONAL INFORMATION.
14. CONTRACTOR SHALL PLACE TYPE III BARRICADES AT LOCATIONS AS DIRECTED BY ENGINEER.

SHEET QUANTITIES

DESCRIPTION	UNITS	QUANTITY
Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	43
Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	43
Pedestrian Type II Barricade, Temp	Ea	32
Dust Palliative, Applied	Ton	3
Minor Traf Devices	LSUM	1
Plastic Drum, Fluorescent, Furn	Ea	30
Plastic Drum, Fluorescent, Oper	Ea	30
Sign, Type B, Temp, Prismatic, Furn	Sft	295
Sign, Type B, Temp, Prismatic, Oper	Sft	295
Sign, Type B, Temp, Prismatic, Spec, Furn	Sft	135
Sign, Type B, Temp, Prismatic, Spec, Oper	Sft	135
Traf Regulator Control	LSUM	1

Know what's **below.**
Call before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

MAINTAINING TRAFFIC PLAN
HANCOCK & AMES RECONSTRUCTION

DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE NOT TO SCALE
SHEET 5 OF 24 SHEETS

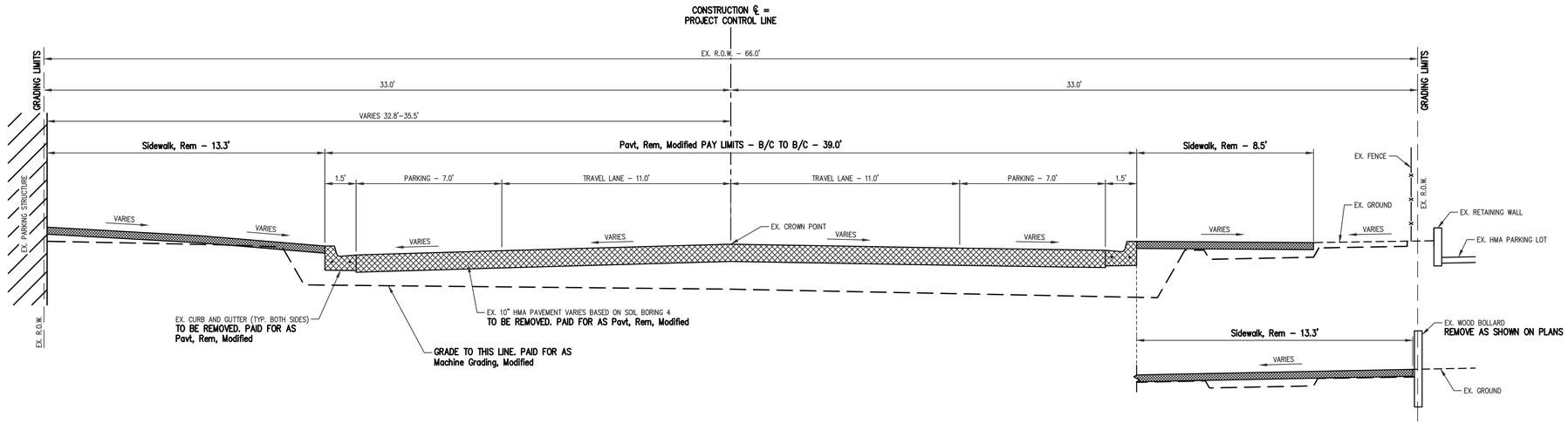
REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1726			5

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS

TYPICAL NOTES:

1. NO WORK BETWEEN STA. 12+77 TO STA. 13+49 (N. HAMILTON STREET)
2. SEE REMOVAL SHEETS FOR SOIL BORING LOCATIONS AND REFER TO SHEET 10 FOR SOIL BORING LOGS.

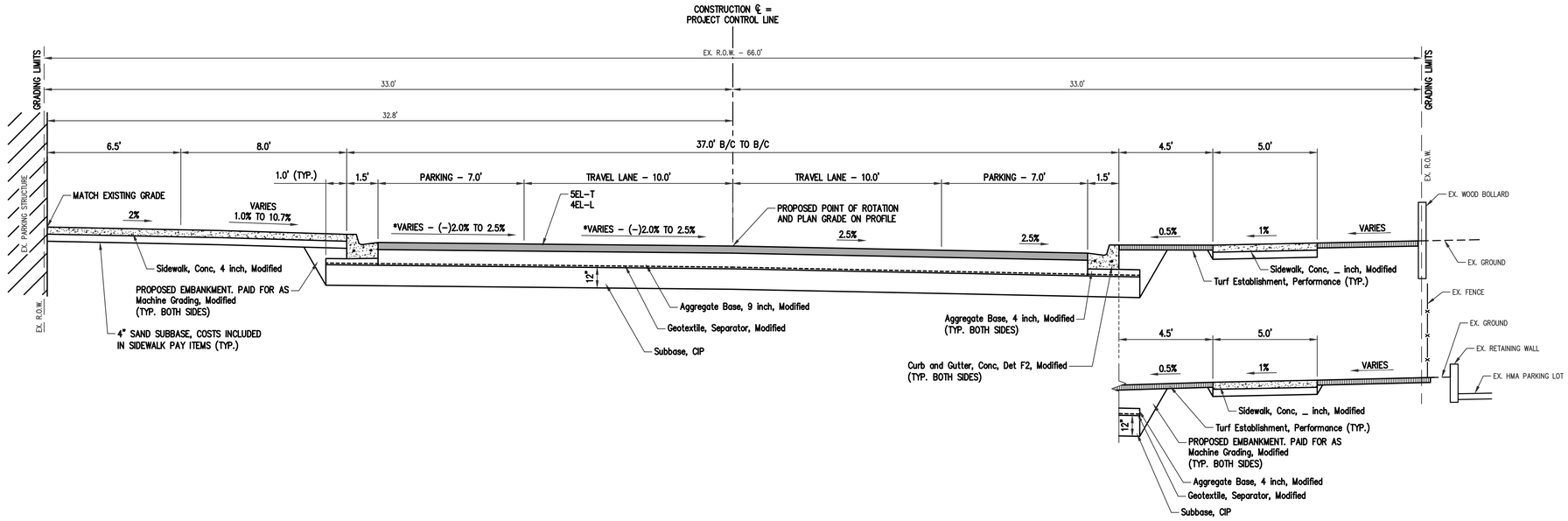


EXISTING TYPICAL CROSS SECTION - HANCOCK STREET

APPLIES TO: STA. 10+32 (P.O.B.) TO STA. 12+77

EXISTING TYPICAL PARTIAL SECTION

APPLIES TO: STA. 10+54 TO STA. 12+27



*LEFT PARKING AND TRAVEL LANES
TRANSITION FROM –2.0% AT STA. 10+72 (MATCH EXISTING) TO 2.5% AT STA. 11+17

2.5% FROM STA. 11+17 TO STA. 12+32

TRANSITION FROM 2.5% AT STA. 12+32 TO –1.0% AT STA. 12+77 (MATCH EXISTING)

PROPOSED TYPICAL PARTIAL SECTION

APPLIES TO: STA. 12+27 TO STA. 12+77

HMA APPLICATION ESTIMATE CHART

IDENT NO.	ITEM	RATE PER SYD	ESTIMATED THICKNESS	PERFORMANCE GRADE	REMARKS
5EL–T	HMA, 5EL	220 #/SYD	2.0"	58–28	AWI=220 (MIN) TOP COURSE
4EL–L	HMA, 4EL	220 #/SYD	2.0"	58–28	LEVELING COURSE
	Hand Patching	2 LIFTS	4.0"	58–28	HAND PATCHING, HMA, 5EL
	HMA BOND COAT	0.05–0.15 GAL			NOT A PAY ITEM; FOR INFORMATION ONLY

MODIFY HMA, _EL MIXES AS REQUIRED TO LIMIT AIR VOIDS TO 3.5% AND RAP SHALL BE LIMITED TO TIER 1 DESIGN (17% MAX RAP BY BINDER WEIGHT).

PROPOSED TYPICAL CROSS SECTION - HANCOCK STREET

APPLIES TO: STA. 10+32 (P.O.B.) TO STA. 12+77

Know what's **below.**
Call before you dig.

PLAN SUBMITTALS AND CHANGES
BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

TYPICAL CROSS SECTIONS
HANCOCK & AMES RECONSTRUCTION
HANCOCK STREET

DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE NOT TO SCALE
SHEET 6 OF 24 SHEETS

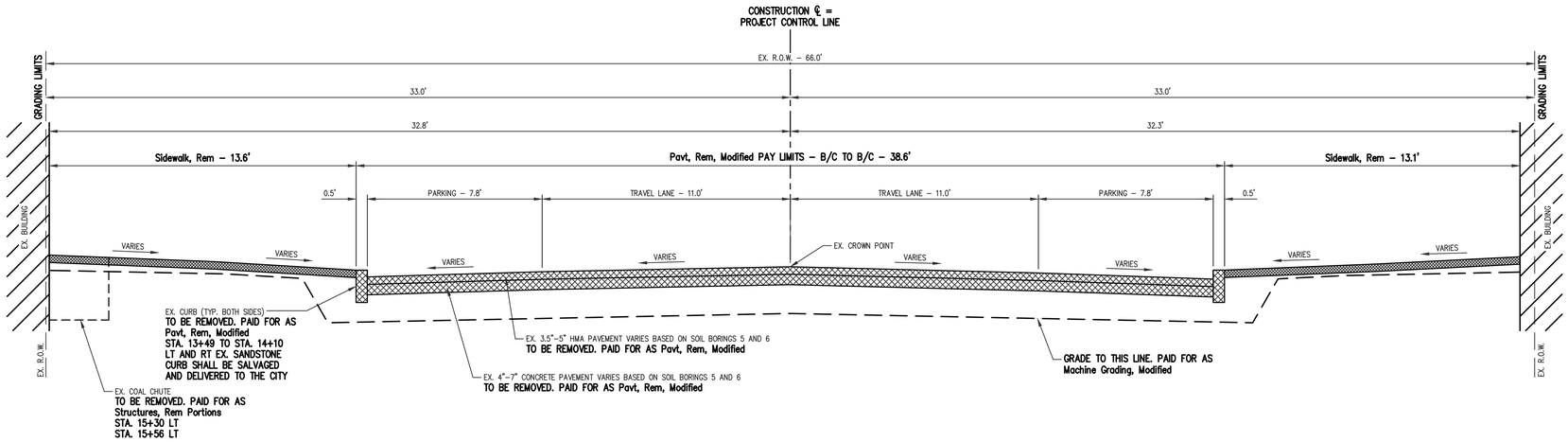
REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	ITEM	SHEET NO.
N/A	C–1726			6

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS

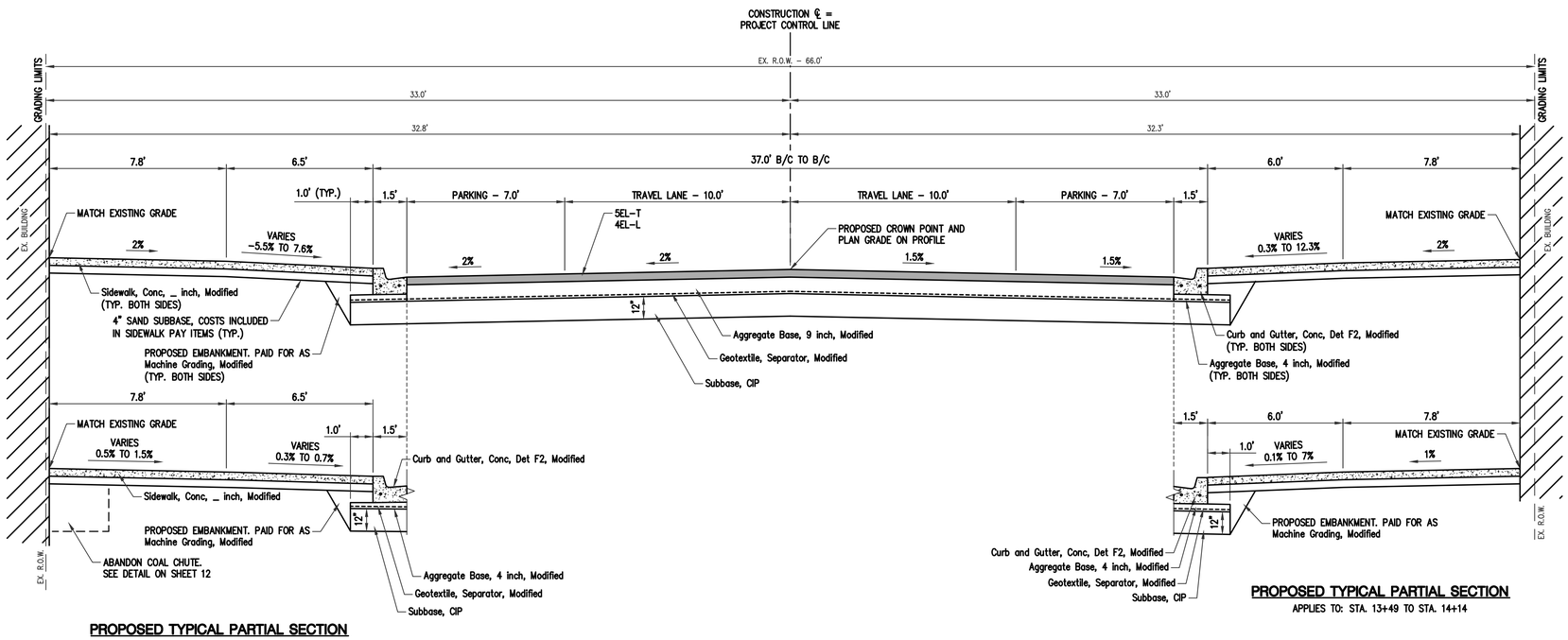
TYPICAL NOTES:

1. NO WORK BETWEEN STA. 12+77 TO STA. 13+49 (N. HAMILTON STREET)
2. SEE REMOVAL SHEETS FOR SOIL BORING LOCATIONS AND REFER TO SHEET 10 FOR SOIL BORING LOGS.



EXISTING TYPICAL CROSS SECTION - HANCOCK STREET

APPLIES TO: STA. 13+49 TO STA. 15+95 (P.O.E.)



PROPOSED TYPICAL PARTIAL SECTION

APPLIES TO: STA. 14+47 TO STA. 14+81

PROPOSED TYPICAL PARTIAL SECTION

APPLIES TO: STA. 13+49 TO STA. 14+14

PROPOSED TYPICAL CROSS SECTION - HANCOCK STREET

APPLIES TO: STA. 13+49 TO STA. 15+95 (P.O.E.)

Know what's **below.**
Call before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

TYPICAL CROSS SECTIONS
HANCOCK & AMES RECONSTRUCTION
HANCOCK STREET

DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE NOT TO SCALE
SHEET 7 OF 24 SHEETS

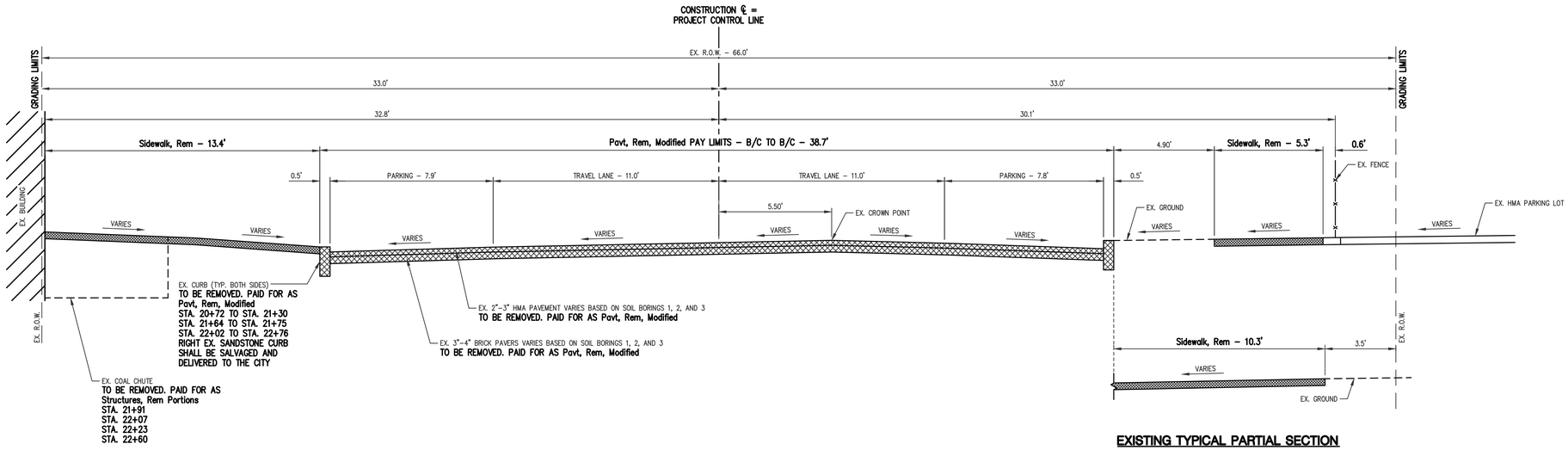
REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C–1726			7

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS

TYPICAL NOTES:

1. SEE REMOVAL SHEETS FOR SOIL BORING LOCATIONS AND REFER TO SHEET 10 FOR SOIL BORING LOGS.

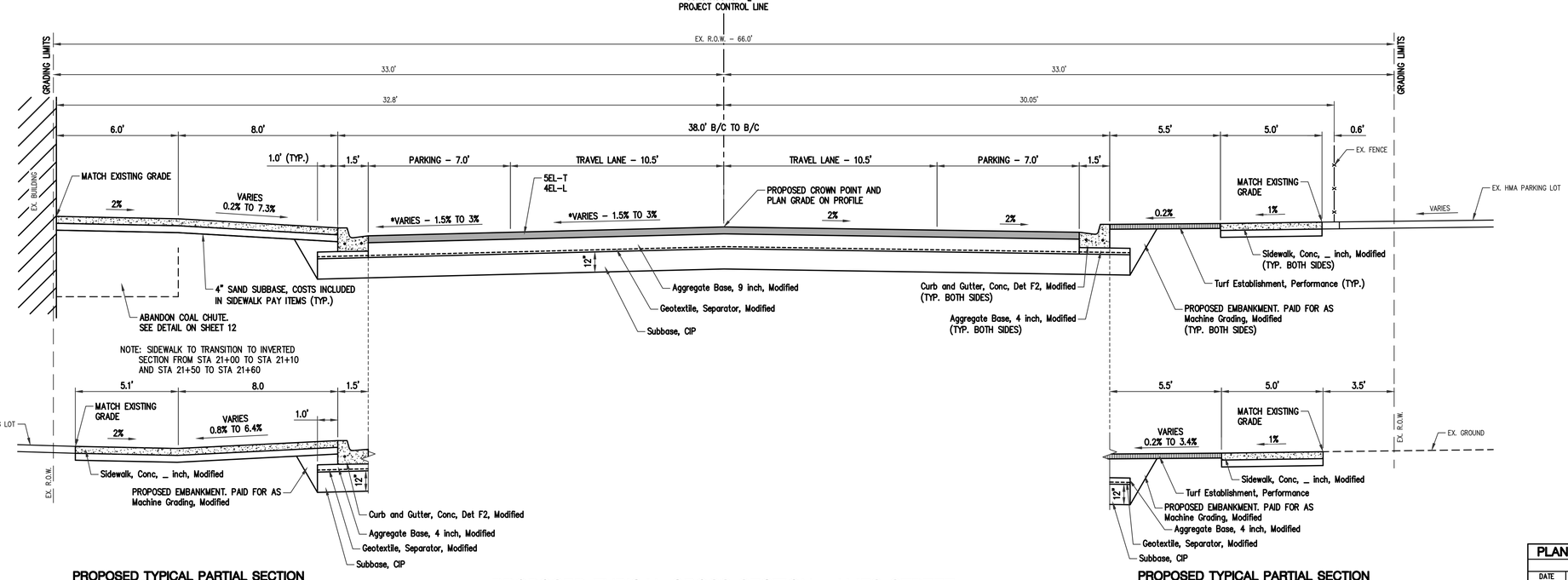


EXISTING TYPICAL CROSS SECTION - AMES STREET

APPLIES TO: STA. 19+93 (P.O.B.) TO STA. 22+78

EXISTING TYPICAL PARTIAL SECTION

APPLIES TO: STA. 20+40 TO STA. 22+02



*LEFT PARKING AND TRAVEL LANES

3.0% FROM STA. 20+67 TO STA. 21+50

TRANSITION FROM 3.0% AT STA. 21+50 TO 1.5% AT STA. 21+75

1.5% FROM STA. 21+75 TO STA. 22+77 (MATCH EXISTING)

PROPOSED TYPICAL PARTIAL SECTION

APPLIES TO: STA. 21+10 TO STA. 21+50

PROPOSED TYPICAL CROSS SECTION - AMES STREET

APPLIES TO: STA. 19+93 (P.O.B.) TO STA. 22+78

PROPOSED TYPICAL PARTIAL SECTION

APPLIES TO: STA. 20+40 TO STA. 21+65

Know what's **below.** **Call** before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

TYPICAL CROSS SECTIONS
HANCOCK & AMES RECONSTRUCTION
AMES STREET

DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE NOT TO SCALE
SHEET 8 OF 24 SHEETS

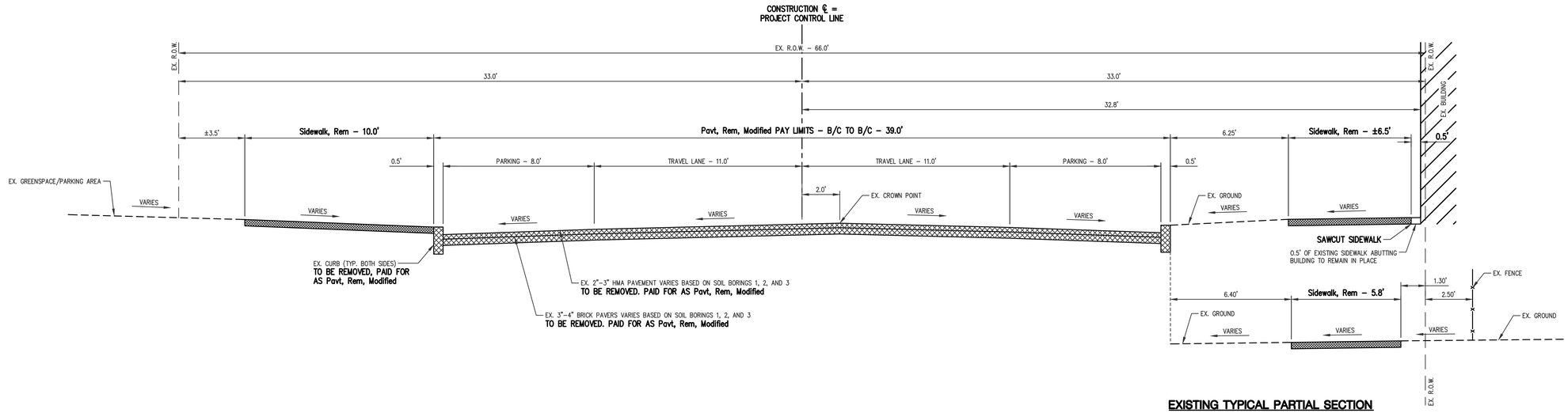
REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	ITEM	SHEET NO.
N/A	C–1726			8

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS

TYPICAL NOTES:

1. SEE REMOVAL SHEETS FOR SOIL BORING LOCATIONS AND REFER TO SHEET 10 FOR SOIL BORING LOGS.

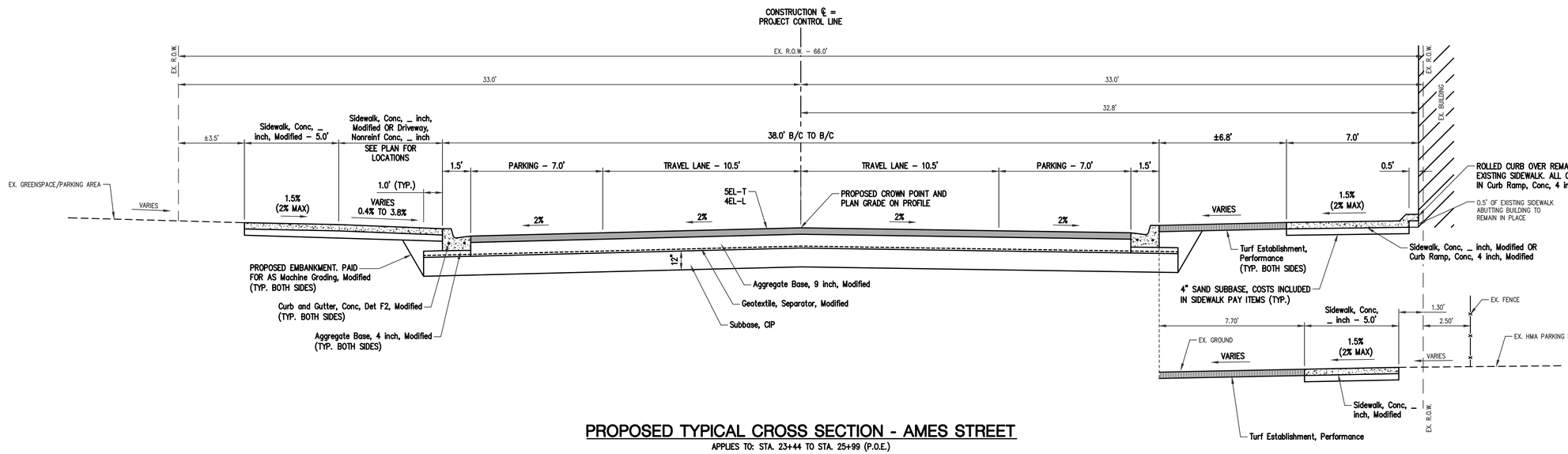


EXISTING TYPICAL CROSS SECTION - AMES STREET

APPLIES TO: STA. 23+44 TO STA. 25+99 (P.O.E.)

EXISTING TYPICAL PARTIAL SECTION

APPLIES TO: STA. 24+27 TO STA. 25+94 (P.O.E.)



PROPOSED TYPICAL CROSS SECTION - AMES STREET

APPLIES TO: STA. 23+44 TO STA. 25+99 (P.O.E.)

EXISTING TYPICAL PARTIAL SECTION

APPLIES TO: STA. 23+53 TO STA. 24+27

Know what's **below.**
Call before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

TYPICAL CROSS SECTIONS
HANCOCK & AMES RECONSTRUCTION
AMES STREET

DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE NOT TO SCALE
SHEET 9 OF 24 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C–1726			9

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS

BORING SB-01

DATE STARTED: 7/21/20 | DRILL COMPANY: Geotill Engineering
DATE COMPLETED: 7/21/20 | DRILLER: J. Sumber | LOGGED BY: J. Micah
COMPLETION DEPTH: 10.0 ft | DRILL RIG: D-50
BENCHMARK: N/A | DRILLING METHOD: 3 1/4" HSA
ELEVATION: 592 ft | SAMPLING METHOD: SS
LATITUDE: | HAMMER TYPE: Automatic
LONGITUDE: | EFFICIENCY N/A
STATION: N/A OFFSET: N/A | REVIEWED BY: T. Khalaff / B.Traore
REMARKS: None

Water: While Drilling N/A; Upon Completion N/A; Cave Depth 3 feet
BORING LOCATION: Ames Street

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %	Additional Remarks
590	0					2" ASPHALT 4" BRICKS				
				1	10	Dark brown and gray CLAYEY SAND with Silt, trace Gravel, moist, (FILL)		2-2-2 N=4	15	
585	5			2	10	Dark brown fine to coarse SAND with Silt, trace Gravel, trace Clay, moist, (FILL)		4-5-Ref	5	>>>
						Augur refusal approximately 4.5 feet below existing pavement surface				
	10									

STANDARD PENETRATION TEST DATA: N in blows/ft. @ Moisture: PL, LL; STRENGTH, tsf: Qu, Qp

intertek psi
Professional Service Industries, Inc.
3120 Sovereign Drive, Suite C
Lansing, MI 48911
Telephone: (517) 394-5700

PROJECT NO.: 0406-568
PROJECT: Proposed Roadway Improvements
LOCATION: Ames Street and Hancock Street
Saginaw, Michigan

The stratification lines represent approximate boundaries. The transition may be gradual.

Sheet 1 of 1

BORING SB-02

DATE STARTED: 7/21/20 | DRILL COMPANY: Geotill Engineering
DATE COMPLETED: 7/21/20 | DRILLER: J. Sumber | LOGGED BY: J. Micah
COMPLETION DEPTH: 10.0 ft | DRILL RIG: D-50
BENCHMARK: N/A | DRILLING METHOD: 3 1/4" HSA
ELEVATION: 594 ft | SAMPLING METHOD: SS
LATITUDE: | HAMMER TYPE: Automatic
LONGITUDE: | EFFICIENCY N/A
STATION: N/A OFFSET: N/A | REVIEWED BY: T. Khalaff / B. Traore
REMARKS: None

Water: While Drilling N/A; Upon Completion N/A; Cave Depth 4.5 feet
BORING LOCATION: Ames Street

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %	Additional Remarks
590	0					2.5" ASPHALT 3" BRICKS				
				1	14	Dark brown fine to coarse SAND with Silt, trace Gravel, trace Clay, moist, (FILL)		5-5-7 N=12	5	
	5			2	16	Brown fine SILTY SAND, trace Clay, wet, loose	SM	7-6-4 N=10	20	
585				3	18	Brown SILTY CLAY with Sand, trace Gravel, moist, very stiff to hard	CL	4-5-7 N=12	12	
	10			4	18	Boring terminated approximately 10 feet below existing pavement surface		3-6-8 N=14	16	>>>

STANDARD PENETRATION TEST DATA: N in blows/ft. @ Moisture: PL, LL; STRENGTH, tsf: Qu, Qp

intertek psi
Professional Service Industries, Inc.
3120 Sovereign Drive, Suite C
Lansing, MI 48911
Telephone: (517) 394-5700

PROJECT NO.: 0406-568
PROJECT: Proposed Roadway Improvements
LOCATION: Ames Street and Hancock Street
Saginaw, Michigan

The stratification lines represent approximate boundaries. The transition may be gradual.

Sheet 1 of 1

BORING SB-03

DATE STARTED: 7/21/20 | DRILL COMPANY: Geotill Engineering
DATE COMPLETED: 7/21/20 | DRILLER: J. Sumber | LOGGED BY: J. Micah
COMPLETION DEPTH: 10.0 ft | DRILL RIG: D-50
BENCHMARK: N/A | DRILLING METHOD: 3 1/4" HSA
ELEVATION: 596 ft | SAMPLING METHOD: SS
LATITUDE: | HAMMER TYPE: Automatic
LONGITUDE: | EFFICIENCY N/A
STATION: N/A OFFSET: N/A | REVIEWED BY: T. Khalaff / B.Traore
REMARKS: None

Water: While Drilling N/A; Upon Completion N/A; Cave Depth 3 feet
BORING LOCATION: Ames Street

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %	Additional Remarks
595	0					3" ASPHALT 3" BRICKS				
				1	14	Dark brown fine to coarse SAND with Silt, trace Gravel, trace Clay, moist, (FILL)		4-5-5 N=10	10	
590	5			2	16	Augur refusal approximately 5 feet below existing pavement surface		3-5-4 N=9	4	
	10									

STANDARD PENETRATION TEST DATA: N in blows/ft. @ Moisture: PL, LL; STRENGTH, tsf: Qu, Qp

intertek psi
Professional Service Industries, Inc.
3120 Sovereign Drive, Suite C
Lansing, MI 48911
Telephone: (517) 394-5700

PROJECT NO.: 0406-568
PROJECT: Proposed Roadway Improvements
LOCATION: Ames Street and Hancock Street
Saginaw, Michigan

The stratification lines represent approximate boundaries. The transition may be gradual.

Sheet 1 of 1

BORING SB-04

DATE STARTED: 7/21/20 | DRILL COMPANY: Geotill Engineering
DATE COMPLETED: 7/21/20 | DRILLER: J. Sumber | LOGGED BY: J. Micah
COMPLETION DEPTH: 10.0 ft | DRILL RIG: D-50
BENCHMARK: N/A | DRILLING METHOD: 3 1/4" HSA
ELEVATION: 592 ft | SAMPLING METHOD: SS
LATITUDE: | HAMMER TYPE: Automatic
LONGITUDE: | EFFICIENCY N/A
STATION: N/A OFFSET: N/A | REVIEWED BY: T. Khalaff / B. Traore
REMARKS: None

Water: While Drilling 7.5 feet; Upon Completion N/A; Cave Depth 5 feet
BORING LOCATION: Hancock Street

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %	Additional Remarks
590	0					10" ASPHALT				
				1	16	Dark brown fine to coarse SAND with Silt, trace Gravel, trace Clay, moist, (FILL)		10-13-12 N=25	4	
	5			2	18	Brown fine to medium SAND with Silt, trace Clay, trace Gravel, moist, medium dense	SM	6-9-10 N=19	8	
585				3	16	Brown SANDY CLAY with Silt, trace Gravel, moist to wet, stiff to firm	CL	3-4-5 N=9	15	
	10			4	16	Boring terminated approximately 10 feet below existing pavement surface		3-3-3 N=6	15	

STANDARD PENETRATION TEST DATA: N in blows/ft. @ Moisture: PL, LL; STRENGTH, tsf: Qu, Qp

intertek psi
Professional Service Industries, Inc.
3120 Sovereign Drive, Suite C
Lansing, MI 48911
Telephone: (517) 394-5700

PROJECT NO.: 0406-568
PROJECT: Proposed Roadway Improvements
LOCATION: Ames Street and Hancock Street
Saginaw, Michigan

The stratification lines represent approximate boundaries. The transition may be gradual.

Sheet 1 of 1

BORING SB-05

DATE STARTED: 7/21/20 | DRILL COMPANY: Geotill Engineering
DATE COMPLETED: 7/21/20 | DRILLER: J. Sumber | LOGGED BY: J. Micah
COMPLETION DEPTH: 10.0 ft | DRILL RIG: D-50
BENCHMARK: N/A | DRILLING METHOD: 3 1/4" HSA
ELEVATION: 604 ft | SAMPLING METHOD: SS
LATITUDE: | HAMMER TYPE: Automatic
LONGITUDE: | EFFICIENCY N/A
STATION: N/A OFFSET: N/A | REVIEWED BY: T. Khalaff / B.Traore
REMARKS: None

Water: While Drilling N/A; Upon Completion N/A; Cave Depth 5.5 feet
BORING LOCATION: Hancock Street

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %	Additional Remarks
600	0					5" ASPHALT 7" CONCRETE				
				1	12	Dark brown SANDY CLAY with Silt, trace Gravel, moist, (FILL)		3-2-3 N=5	20	
	5			2	14	Brown SANDY CLAY with Silt, trace Gravel, wet, very stiff to hard		3-2-2 N=4	20	
595				3	16		CL	2-2-2 N=4	22	>>>
	10			4	18	Boring terminated approximately 10 feet below existing pavement surface		2-2-3 N=5	16	

STANDARD PENETRATION TEST DATA: N in blows/ft. @ Moisture: PL, LL; STRENGTH, tsf: Qu, Qp

intertek psi
Professional Service Industries, Inc.
3120 Sovereign Drive, Suite C
Lansing, MI 48911
Telephone: (517) 394-5700

PROJECT NO.: 0406-568
PROJECT: Proposed Roadway Improvements
LOCATION: Ames Street and Hancock Street
Saginaw, Michigan

The stratification lines represent approximate boundaries. The transition may be gradual.

Sheet 1 of 1

BORING SB-06

DATE STARTED: 7/21/20 | DRILL COMPANY: Geotill Engineering
DATE COMPLETED: 7/21/20 | DRILLER: J. Sumber | LOGGED BY: J. Micah
COMPLETION DEPTH: 10.0 ft | DRILL RIG: D-50
BENCHMARK: N/A | DRILLING METHOD: 3 1/4" HSA
ELEVATION: 606 ft | SAMPLING METHOD: SS
LATITUDE: | HAMMER TYPE: Automatic
LONGITUDE: | EFFICIENCY N/A
STATION: N/A OFFSET: N/A | REVIEWED BY: T. Khalaff / B. Traore
REMARKS: None

Water: While Drilling N/A; Upon Completion N/A; Cave Depth 5.5 feet
BORING LOCATION: Hancock Street

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %	Additional Remarks
605	0					3.5" ASPHALT 4" CONCRETE				
				1	16	Dark brown SANDY CLAY with Silt, trace Gravel, moist, (FILL)		3-3-5 N=8	14	>>>
	5			2	18	Brown SANDY CLAY with Silt, trace Gravel, moist, hard		5-6-7 N=13	11	>>>
600				3	16		CL	7-11-12 N=23	11	>>>
	10			4	18	Boring terminated approximately 10 feet below existing pavement surface		5-9-11 N=20	12	>>>

STANDARD PENETRATION TEST DATA: N in blows/ft. @ Moisture: PL, LL; STRENGTH, tsf: Qu, Qp

intertek psi
Professional Service Industries, Inc.
3120 Sovereign Drive, Suite C
Lansing, MI 48911
Telephone: (517) 394-5700

PROJECT NO.: 0406-568
PROJECT: Proposed Roadway Improvements
LOCATION: Ames Street and Hancock Street
Saginaw, Michigan

The stratification lines represent approximate boundaries. The transition may be gradual.

Sheet 1 of 1

Know what's **below.**
Call before you dig.

NOTE:

1. SOIL BORING LOCATIONS SHOWN ON REMOVAL SHEETS. SEE SHEETS 13 AND 16

PLAN SUBMITTALS AND CHANGES
BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

SOIL BORING LOG SHEET
HANCOCK & AMES RECONSTRUCTION

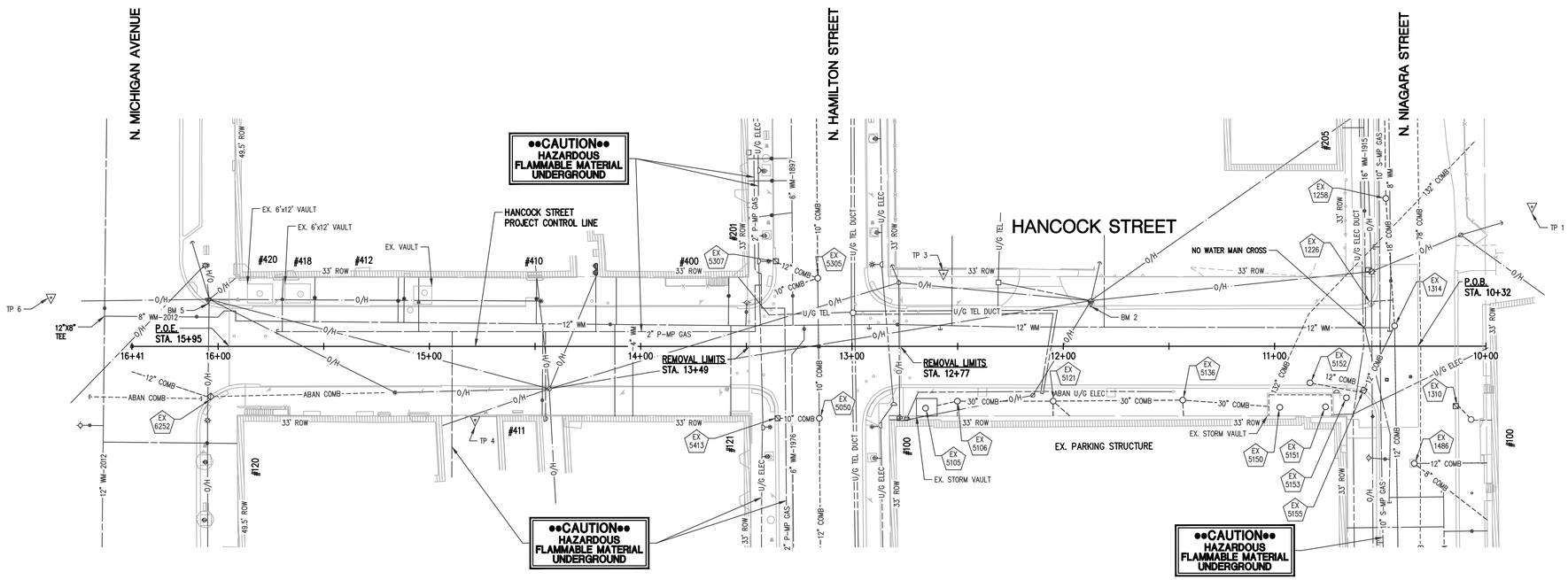
DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE NOT TO SCALE
SHEET 10 OF 24 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1726			10

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS



EX STRUCTURE INVENTORIES

EX 1226
RIM = 590.90
12" SE = 587.80

EX 1258
RIM = 591.43
18" SW = 566.43
18" NE = 566.43

EX 1310
RIM = 591.17
6" S = 587.97

EX 1314
RIM = 591.51
18" NE = 566.51
12" W = 586.76
12" SW = 566.51

EX 1486
RIM = 591.83
12" SE = 586.88
8" S = 582.53

EX 5050
RIM = 602.09
12" SW = 592.64
10" NE = 593.64
10" NW = 595.99

EX 5105
RIM = 601.30

EX 5106
RIM = 600.30
30" NW = 575.30
30" SE = 575.30

EX 5121
RIM = 598.41
30" NW = 573.41
24" SW = 573.41
6" S = 573.41
30" SE = 573.41

EX 5136
RIM = 595.67
30" SE = 570.67
12" SW = 570.67
30" NW = 570.67

EX 5150
RIM = 593.59

EX 5151
RIM = 592.48

EX 5152
RIM = 591.86
12" SE = 587.26

EX 5153
RIM = 591.90

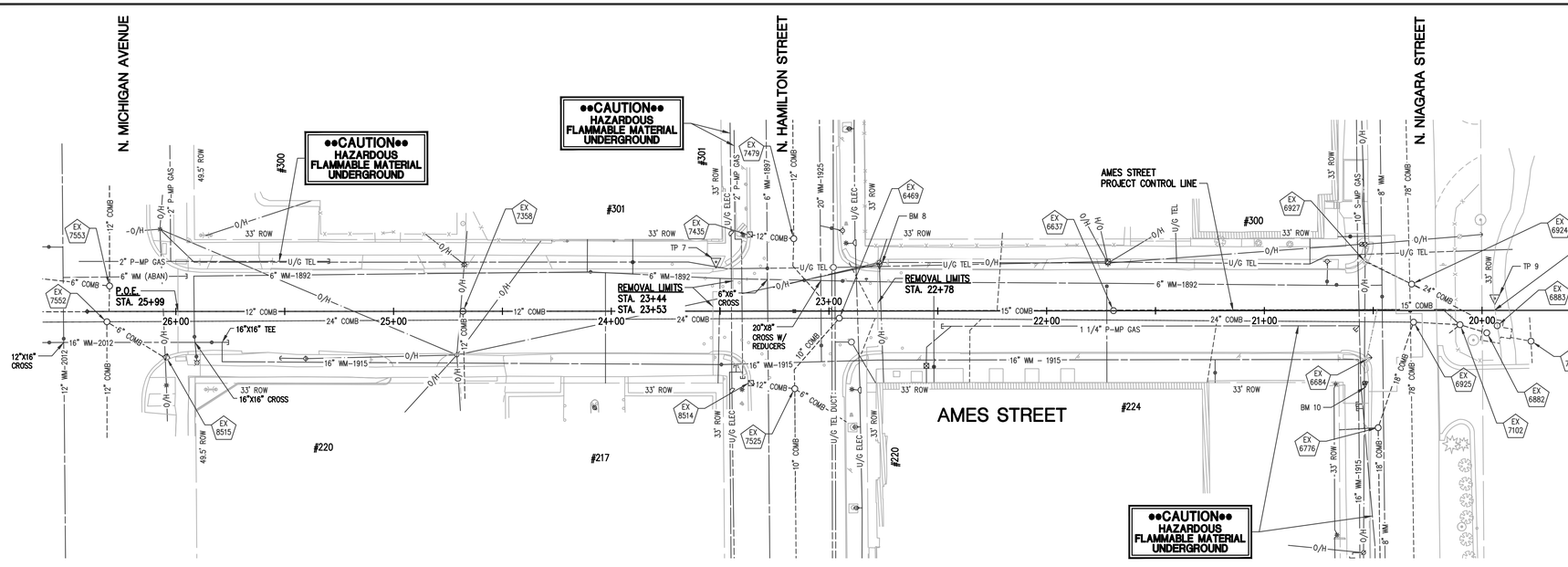
EX 5155
RIM = 590.71
12" E = 587.71
12" NW = 587.51

EX 5305
RIM = 601.90
12" N = 595.05
10" SW = 591.15
10" NE = 591.15
10" NW = 591.90

EX 5307
RIM = 601.36
12" S = 596.66

EX 5413
RIM = 601.64
10" SE = 598.24

EX 6252
RIM = 605.80
6" NW = 602.34



EX STRUCTURE INVENTORIES

EX 6469
RIM = 600.16
24" SE = 584.16
24" NW = 584.01
10" W = 584.61
10" W = 588.51

EX 6637
RIM = 595.72
15" NW = 586.02
15" SE = 586.02

EX 6684
RIM = 591.58
6" NE = 589.38

EX 6776
RIM = 591.85
18" NE = 581.50
18" SW = 581.40
8" NW = 582.75

EX 6882
RIM = 591.87

EX 6883
RIM = 591.76

EX 6924
RIM = 592.23
6" N = 587.48
24" S = 579.33

EX 6925
RIM = 592.42
18" SW = 581.77
24" SE = 581.87
24" NW = 581.72

EX 6927
RIM = 591.65
6" S = 588.65

EX 7102
RIM = 592.22
24" NW = 581.17
24" SE = 581.17
6" W = 586.72
12" N = 582.72

EX 7103
RIM = 591.53

EX 7358
RIM = 602.67
12" SW = 589.87
15" NW = 589.12
15" SE = 589.02

EX 7435
RIM = 599.63
12" SE = 249.63

EX 7479
RIM = 600.21
12" NW = 595.31
12" NE = 588.21
12" SW = 588.21

EX 7525
RIM = 604.86
24" SE = 586.84
24" NW = 587.04
6" S = 600.14
12" SW = 586.94

EX 7552
RIM = 604.74
24" SE = 586.84
24" NW = 587.04
6" S = 600.14
12" SW = 586.94

EX 7553
RIM = 604.65
12" NE = 593.95
15" SW = 593.95
6" NW = 600.95

EX 8514
RIM = 599.84
12" SE = 596.34

EX 8515
RIM = 603.87
6" N = 600.32

Know what's **below.**
Call before you dig.

0 30 ft 60 ft

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

EXISTING UTILITY INFORMATION
HANCOCK & AMES RECONSTRUCTION

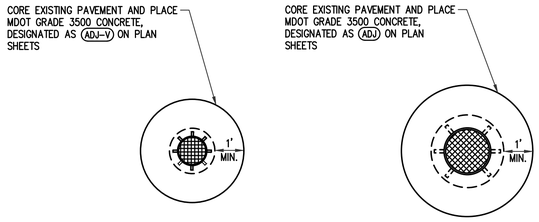
DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE 1" = 30'
SHEET 11 OF 24 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	ITEM	SHEET NO.
N/A	C-1726			11

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS



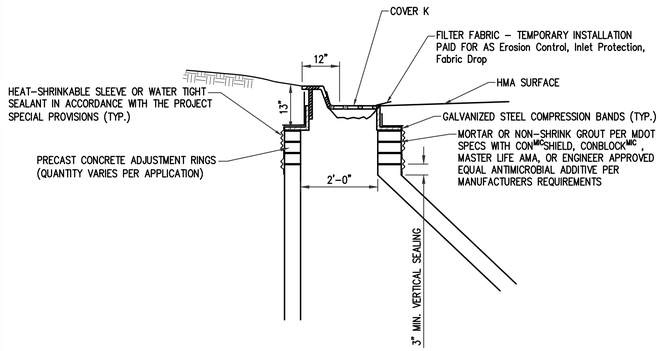
VALVE BOXES AND MONUMENT BOXES | **MANHOLE COVERS**

NOTES:

1. ADJUSTMENTS SHALL BE PERFORMED ONLY WHEN ALL ASPHALT HAS BEEN PLACED. RIM ELEVATION OF THE FRAME SHALL BE ADJUSTED TO MATCH THE PAVEMENT ELEVATION ON THE CONSTRUCTION PLAN SHEETS. PAID FOR AS Combined Sewer Manhole Cover, Adj, Case 1 AND Gas and Water Shutoff, Adj, Modified AND Monument Box, Modified.
2. ALL PAVEMENT TO BE REPLACED WITH MDOT GRADE 3500 CONCRETE TO A MINIMUM LEVEL OF 2 INCHES BELOW BOTTOM OF ADJUSTMENT RINGS.
3. USE OF BRICK OR BLOCK TO REACH FINAL ELEVATIONS AND REPAIR DAMAGED STRUCTURES WILL BE ALLOWED TO A MAXIMUM DEPTH OF TWELVE INCHES. FOR WORK IN EXCESS OF TWELVE VERTICAL INCHES, ALL COMPONENTS MUST BE PRECAST IN CONFORMANCE WITH THE CITY OF SAGINAW ALTERATIONS TO THE MUNICIPAL COMBINED SEWER SYSTEM SPECIAL PROVISION REQUIREMENTS.

STRUCTURE COVER, MONUMENT BOX, GAS AND WATER SHUTOFF ADJUST DETAILS

NO SCALE

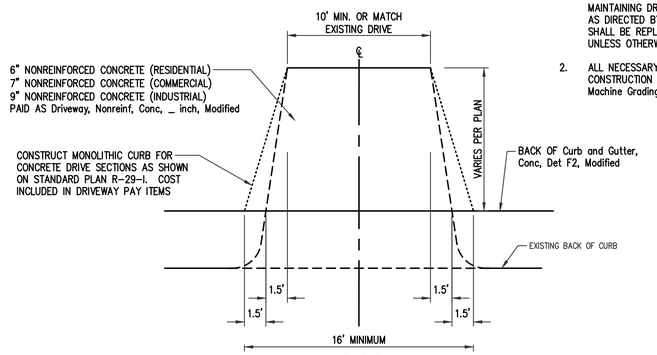


CATCHBASIN ADJUSTMENT AND COVER FILTER FABRIC DETAIL

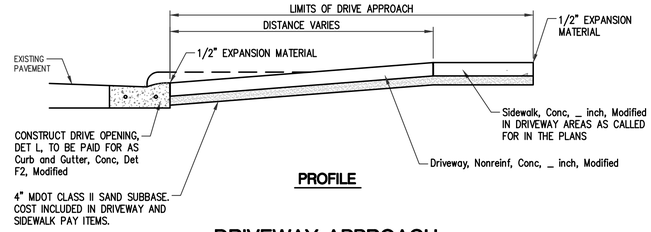
NO SCALE

NOTES:

1. Maintenance Gravel, Modified SHALL BE USED FOR MAINTAINING DRIVEWAYS DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. DRIVEWAYS SHALL BE REPLACED WITHIN A 24 HOUR PERIOD UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. ALL NECESSARY GRADING FOR DRIVEWAY CONSTRUCTION SHALL BE INCLUDED IN THE Machine Grading, Modified PAY ITEM.



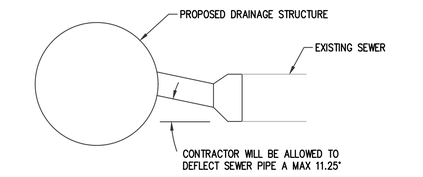
PLAN

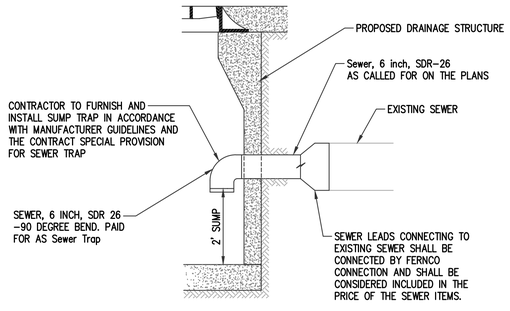


PROFILE

DRIVEWAY APPROACH

NO SCALE





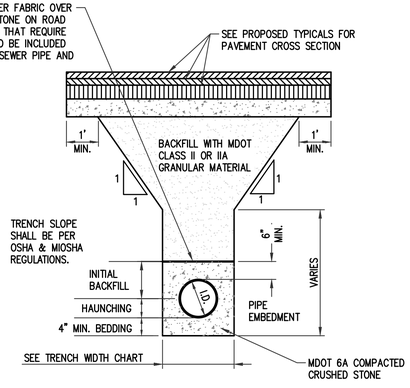
NOTES:

1. THIS DETAIL SHALL BE USED WHERE DRAINAGE STRUCTURES ARE REQUIRED TO PLACE CASTINGS IN THE PROPOSED CURB LINE. PAID FOR AS Dr Structure, Rem; Sewer, Rem, Less than 24 inch; Dr Structure, _ inch dia, Modified; Dr Structure Cover, Type K, Modified; Sewer, _ inch, SDR-26; AND Sewer Trap.
2. WHERE APPLICABLE, CATCH BASIN TOP SECTIONS MAY BE ROTATED TO CENTER CASTING IN PROPOSED CURB LINE, NEW WATER TIGHT SEALANT INSTALLED, AND CASTING ADJUSTED TO GRADE. PAID FOR AS Combined Sewer Manhole, Adj, Case 1.

CITY OF SAGINAW SEWER TRAP, CITY DETAIL/ SUMP DETAIL

NO SCALE

INSTALL 3-5 OZ. NON-WOVEN FILTER FABRIC OVER MDOT 6A COMPACTED CRUSHED STONE ON ROAD CROSSINGS AND ALL OTHER AREAS THAT REQUIRE COMPLETE SAND BACKFILL COST TO BE INCLUDED IN PAY ITEM FOR LINEAL FOOT OF SEWER PIPE AND SANITARY SEWER PIPE AS BID.



NOTE:

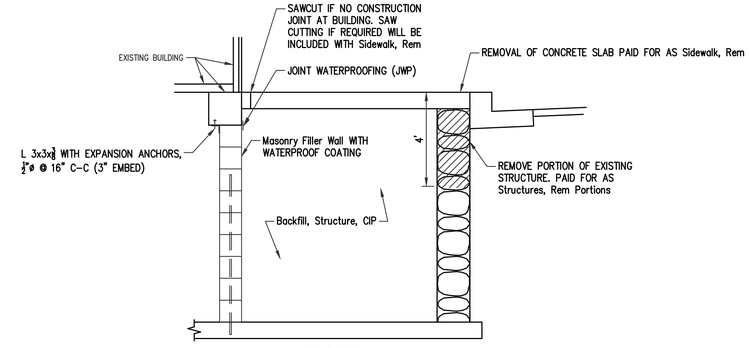
EXISTING SURFACE CONDITIONS ON THE PROPOSED TRENCH CENTERLINE SHALL GOVERN THE TYPE OF SURFACE RESTORATION THE CONTRACTOR SHALL PERFORM. THE TYPE OF PIPE BACKFILL AND BEDDING SHALL BE AS STATED IN THE PLANS AND SPECIFICATIONS AND APPROPRIATE BID UNITS SHOWN IN THE PROPOSAL.

TRENCH WIDTH CHART

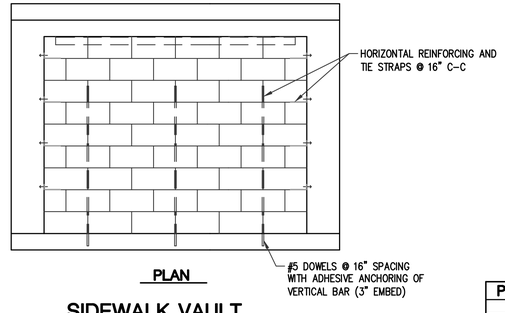
PIPE SIZE	MINIMUM	MAXIMUM
6", 8" & 10"	24"	30"
12" & 15"	30"	36"
18"	34"	40"
21"	38"	42"
24"	42"	46"
27"	45"	49"
30"	49"	53"
36"	56"	60"
LARGER THAN 36"	I.D. +20"	I.D. +24"

SPECIAL TRENCH DETAIL PVC SEWER PIPE

NO SCALE



PROFILE



PLAN

SIDEWALK VAULT CLOSURE DETAILS

NO SCALE

Know what's **below.** **Call** before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

CITY OF SAGINAW STANDARD DETAILS SHEET
HANCOCK & AMES RECONSTRUCTION

DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE NOT TO SCALE
SHEET 12 OF 24 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1726			12

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS

16+41 0.0'R MONUMENT
16+12 49.7'R GUY WIRE
16+10 14.1'L GATE VALVE
16+08 30.2'L ELEC MANHOLE
16+06 45.6'R BIKE RACK
16+05 21.9'R BM 3
16+05 37.3'R ELEC BOX
16+04 22.3'R ELEC POLE

15+92 83.2'R BRICK BUILDING

REM	15+80 25.0'R	MISC MANHOLE
REM	15+73 21.4'R	PARKING SIGN
	15+70 22.2'R	GAS VALVE
REM	15+61 24.8'R	MISC MANHOLE
	15+54 23.0'R	WATER STOP BOX

15+15 21.6'R WATER STOP BOX
15+12 22.6'R WATER STOP BOX

REM	15+09 17.2'R	MISC MANHOLE
REM	15+05 20.7'R	GAS VALVE
REM	15+02 25.4'R	MISC MANHOLE

14+49 22.5'R WATER STOP BOX
14+47 21.5'R ORNAMENTAL LIGHT
14+30 32.8'R BRICK BUILDING
14+27 29.3'R METAL POST
14+21 17.4'R GAS METER
14+21 35.7'R GAS METER
14+21 34.9'R GAS METER
14+21 34.3'R ELECTRIC METER
14+20 37.2'R ELECTRIC METER
14+20 35.3'R ELECTRIC METER
14+20 35.3'R ELECTRIC METER
14+20 36.8'R ELECTRIC METER
14+20 35.6'R ELECTRIC METER
14+16 20.5'R METAL POST
14+14 10.4'R GATE VALVE

13+88 32.6'R POST & RAIL
13+88 33.2'R CONC WALL
13+74 20.2'R TP 3
13+72 21.3'R PARKING SIGN
13+61 44.0'R WATER STOP BOX
13+60 28.3'R POST & RAIL
13+58 32.3'R WATER STOP BOX
13+50 16.2'R GATE VALVE
13+50 20.7'R FIRE HYDRANT
13+50 33.4'R CONCRETE POST
13+49 30.4'R ELECTRIC MANHOLE
13+45 40.3'R HAND HOLE
13+37 40.3'R CURB INLET B/C
13+23 18.9'R GATE VALVE
13+16 32.3'R STORM MH
13+16 0.0'R MONUMENT
13+00 19.6'R ELECTRIC MH
12+90 38.6'R LIGHT POLE
12+89 53.9'R ELEC OUTLET
12+88 53.9'R ELEC OUTLET
12+85 38.8'R HAND HOLE
12+80 36.4'R CONC WALL
12+79 36.6'R POST & RAIL
12+78 36.4'R GATE VALVE

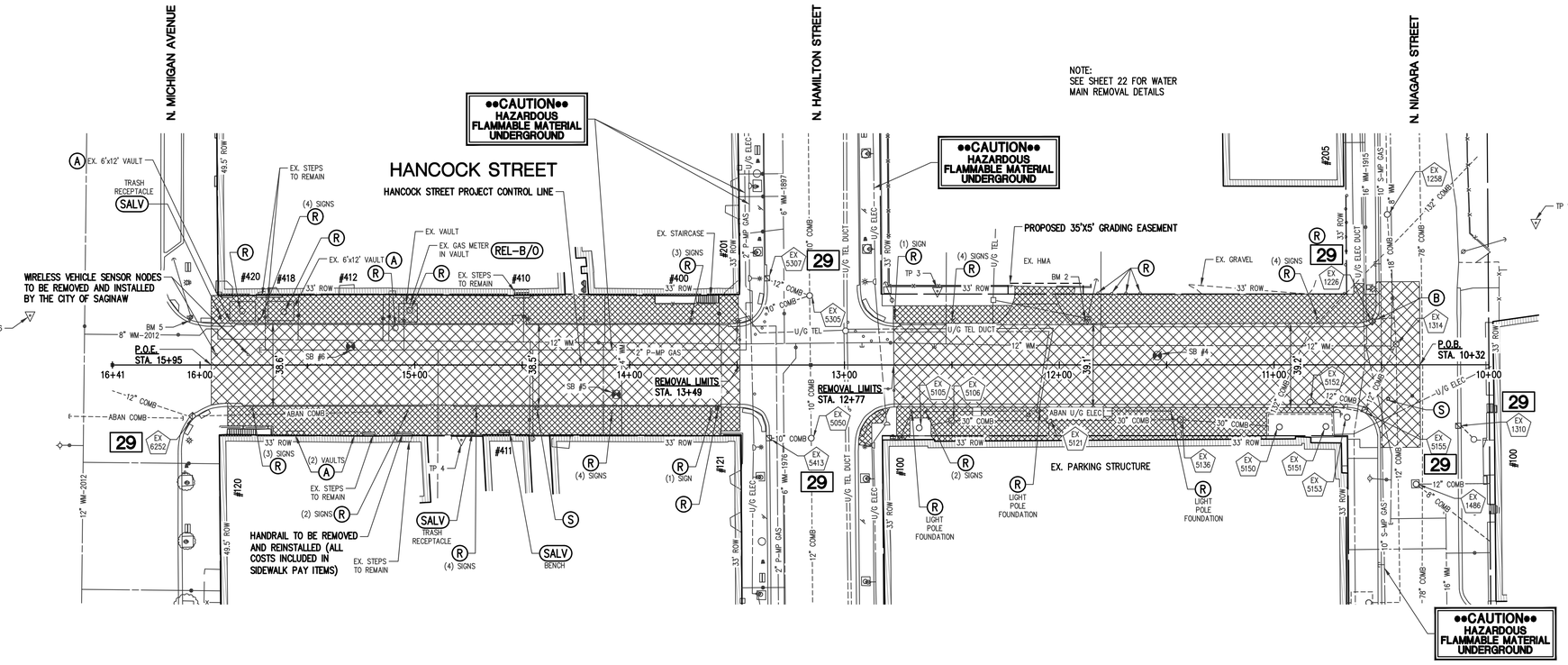
REM	12+78 30.1'R	CATV/ELEC. TELE POLE
	12+77 21.9'R	STOP SIGN
	12+57 34.3'R	TP 3
REM	12+50 21.0'R	PARKING SIGN

12+31 30.2'R TELE RISER
12+24 36.7'R POST & RAIL
12+22 36.5'R CONC WALL

11+87 21.6'R CATV/ELEC. TELE POLE
11+87 20.3'R BM 2
11+83 1.4'L GATE VALVE
11+82 40.0'R GUY WIRE
11+76 33.2'R WOOD POST
11+76 33.2'R WOOD POST
11+69 33.4'R WOOD POST
11+62 33.4'R WOOD POST

11+24 83.2'R COMMERCIAL BUILDING

REM	10+80 21.7'R	PARKING SIGN
	10+68 83.1'R	COMMERCIAL BUILDING
	10+67 33.2'R	WOOD POST
	10+67 33.2'R	WOOD POST
	10+66 29.8'R	WOOD POST
	10+66 33.2'R	WOOD POST
	10+57 64.1'R	GATE VALVE
	10+56 23.1'R	CURB INLET B/C
REM	10+54 35.4'R	CATV/ELEC. TELE POLE
	10+43 1.4'L	GATE VALVE
	10+43 9.6'R	STORM MH
	10+12 52.7'R	CATV/ELEC. TELE POLE
	10+02 19.8'R	CONC WALL
	10+01 21.7'R	CONC WALL



SHEET QUANTITIES

DESCRIPTION	QUANTITY	UNITS
Dr Structure, Rem	1	Ea
Sidewalk, Rem	1325	Syd
Utility Pole, Rem	1	Ea
Pavt, Rem, Modified	2205	Syd
Erosion Control, Inlet Protection, Fabric Drop	6	Ea
Sign, Type III, Rem	32	Ea
Monument Preservation	1	Ea

GENERAL NOTE

ASBESTOS SEWER PIPE HAS BEEN LOCATED BY CITY D.P.W. IN THIS AREA IN THE PAST AND COULD BE ENCOUNTERED ON THIS PROJECT. THE CONTRACTOR MUST BE AWARE OF THE RISKS OF WORKING WITH ASBESTOS AND TAKE ALL NECESSARY PRECAUTIONS.

16+07 82.2'L ELEC OUTLET
16+06 54.5'L 8" DECID. TREE
16+07 49.8'L PARKING SIGN
16+06 81.9'L 8" DECID. TREE
16+06 76.2'L BIKE RACK
16+06 54.8'L ELEC OUTLET
16+05 45.6'L WATER STOP BOX
16+05 53.1'L ELEC. & TEL. RISER POLE
16+03 24.6'L CURB INLET B/C
15+98 97.3'L POST & RAIL
15+98 94.9'L POST & RAIL
15+91 32.5'L BRICK BUILDING
15+91 95.1'L POST & RAIL
15+90 29.1'L POST & RAIL
REM 15+87 29.0'L PARKING SIGN
15+87 29.8'L POST & RAIL
15+66 32.9'L POST & RAIL

15+24 33.0'L BRICK BUILDING
15+18 33.0'L BRICK BUILDING
15+16 21.9'L ORNAMENTAL LIGHT
15+10 30.1'L POST & RAIL
15+09 33.2'L POST & RAIL
REM 15+03 21.6'L PARKING SIGN

14+94 32.7'L BRICK BUILDING
14+83 32.6'L CONC WALL
14+78 34.9'L TP 4
REM 14+77 29.0'L PARKING SIGN
14+68 32.5'L CONC WALL
14+68 33.3'L BRICK BUILDING
14+47 32.5'L BRICK BUILDING
14+47 25.5'L GATE VALVE
14+47 34.0'L BRICK BUILDING
14+46 34.2'L GAS METER

14+45 32.4'L METAL POST
SAVE 14+43 20.1'L ELEC POLE
14+37 32.5'L BRICK BUILDING

REM 14+08 22.2'L PARKING SIGN

REM 13+62 21.6'L STOP SIGN
REM 13+59 19.9'L UTILITY POLE
REM 13+59 20.0'L METAL POST
REM 13+59 20.6'L METAL POST
REM 13+59 20.3'L METAL POST

13+48 32.5'L BRICK BUILDING

13+43 38.5'L HAND HOLE
13+40 52.2'L ELEC OUTLET
13+39 38.2'L DECID. TREE
13+39 38.2'L ORNAMENTAL LIGHT

13+36 34.1'L CURB INLET B/C
13+15 34.0'L STORM MH
12+91 38.0'L ORNAMENTAL LIGHT
12+90 53.0'L 3" DECID. TREE
12+89 52.9'L ELEC OUTLET
12+86 37.4'L HAND HOLE

12+82 34.9'L BRICK BUILDING
12+80 27.9'L HAND HOLE
12+80 33.8'L CIRCUIT BREAKER PANEL
12+77 34.2'L ELECTRIC MH
12+76 34.1'L CIRCUIT BREAKER PANEL
12+74 34.8'L ELECTRIC METER
12+65 28.3'L SANITARY MH
REM 12+62 21.7'L PARKING SIGN
12+50 26.0'L SANITARY MH

12+14 23.2'L CATV/ELEC. TELE POLE

12+05 26.0'L SANITARY MH

11+44 25.5'L SANITARY MH
10+98 28.5'L STORM MH
10+87 27.5'L STORM MH
10+83 36.2'L BRICK BUILDING
10+83 33.7'L CONC WALL
10+76 28.7'L STORM MH
10+71 22.2'L HAND HOLE
REM 10+69 22.4'L STOP SIGN
10+68 50.3'L CONC WALL
10+67 47.0'L CONC WALL
10+67 57.1'L BRICK BUILDING
10+66 24.4'L SANITARY MH
10+66 33.5'L CONC WALL
10+66 50.4'L BRICK BUILDING
10+66 57.6'L BRICK BUILDING
10+58 21.9'L CURB INLET B/C
10+55 52.8'L ELEC. PEDESTAL
10+54 33.3'L MP 1315
10+48 53.4'L GATE VALVE
SAVE 10+47 15.8'L MONUMENT
10+36 14.5'L GATE VALVE
10+34 34.5'L STORM MH
10+13 28.4'L CURB INLET B/C
10+07 34.7'L ELECTRIC MH
10+07 87.5'L GATE VALVE
10+07 69.6'L 4 STM CLEAN OUT
10+03 55.7'L CONC WALL
10+03 57.3'L CONC WALL
10+01 73.5'L CONC WALL
10+01 14.1'L CONC WALL

Know what's **below.**
Call before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

REMOVAL SHEET
HANCOCK & AMES RECONSTRUCTION
HANCOCK STREET

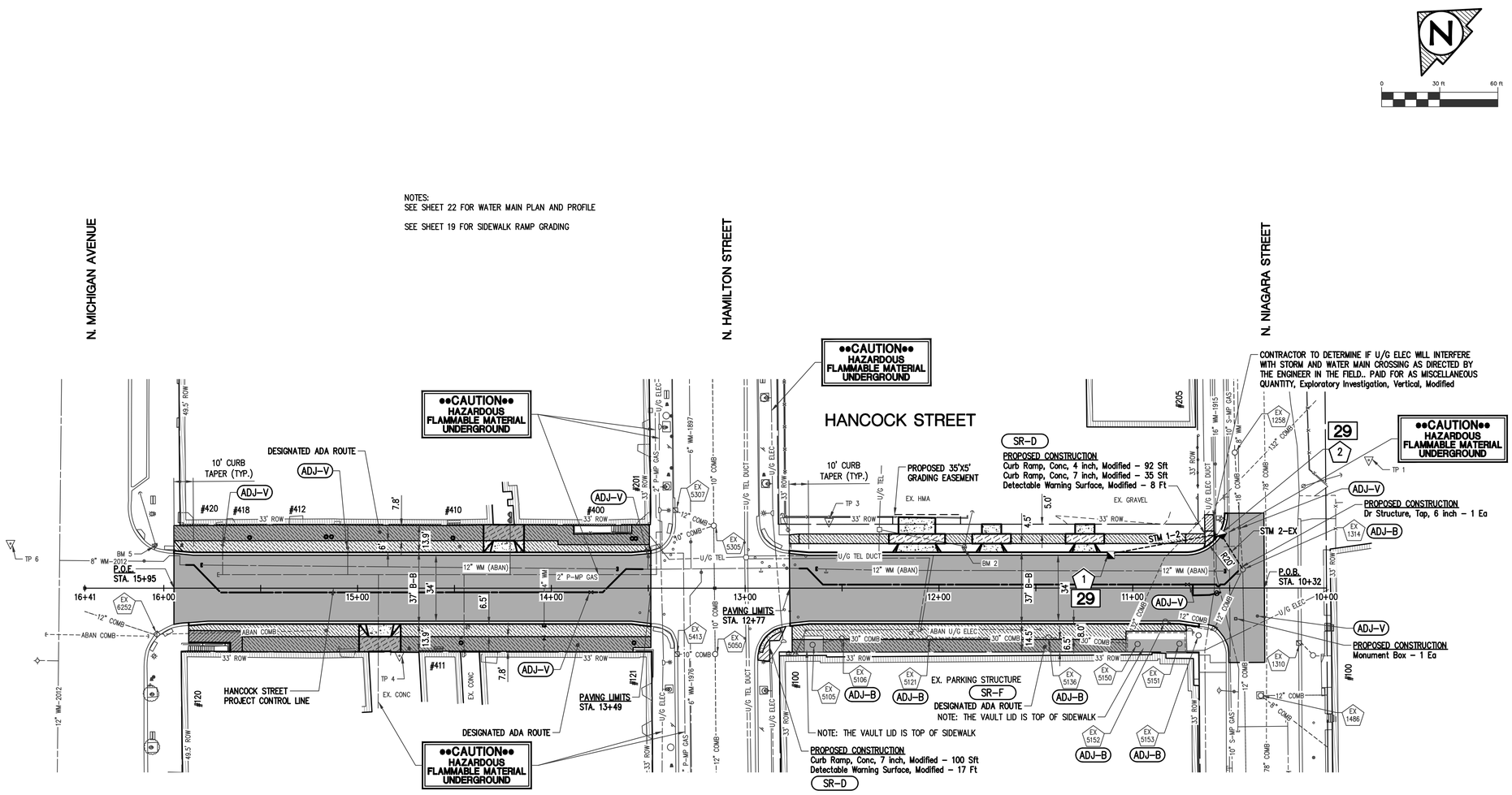
DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE 1" = 30'
SHEET 13 OF 24 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1726			13

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS



SHEET QUANTITIES

DESCRIPTION	QUANTITY	UNITS
Machine Grading, Modified	5	Sta
Erosion Control, Inlet Protection, Fabric Drop	2	Ea
Subbase, CIP	750	Cyd
Aggregate Base, 4 inch, Modified	260	Syd
Aggregate Base, 9 inch, Modified	1975	Syd
Geotextile, Separator, Modified	2235	Syd
Sewer, 6 inch, SDR-26	16	Ft
Sewer, 12 inch, SDR-26	57	Ft
Sewer Trap	1	Ea
Dr Structure, Tap, 6 inch	1	Ea
Combined Sewer Manhole, Adj, Add Depth	5	Ft
Combined Sewer Manhole, Cover, Adj, Case 1	6	Ea
Dr Structure Cover, Type B, Modified	6	Ea
Dr Structure Cover, Type K, Modified	2	Ea
Dr Structure, 48 inch dia, Modified	2	Ea
Gas and Water Shutoff, Adj, Modified	7	Ea
HMA, 4EL	250	Ton
HMA, 5EL	250	Ton
Driveway, Nonreinf Conc, 7 inch, Modified	78	Syd
Curb and Gutter, Conc, Det F2, Modified	927	Ft
Curb Ramp Opening, Conc, Modified	8	Ft
Detectable Warning Surface, Modified	25	Ft
Curb Ramp, Conc, 4 inch, Modified	92	Sft
Curb Ramp, Conc, 7 inch, Modified	135	Sft
Sidewalk, Conc, 4 inch, Modified	8935	Sft
Sidewalk, Conc, 7 inch, Modified	745	Sft
Monument Box, Modified	1	Ea

GENERAL NOTE

ASBESTOS SEWER PIPE HAS BEEN LOCATED BY CITY D.P.W. IN THIS AREA IN THE PAST AND COULD BE ENCOUNTERED ON THIS PROJECT. THE CONTRACTOR MUST BE AWARE OF THE RISKS OF WORKING WITH ASBESTOS AND TAKE ALL NECESSARY PRECAUTIONS.

DRIVEWAY REPLACEMENT SCHEDULE

C/L DRIVEWAY STATION	EXISTING DRIVEWAY TYPE	PROPOSED DRIVEWAY TYPE	WIDTH AT ROAD (FT)	WIDTH AT BACK OF DRIVEWAY (FT)	LENGTH OF DRIVEWAY REPLACEMENT FROM B/C (FT)	EXISTING SLOPE (%)	PROPOSED SLOPE (%)	Driveway, Nonreinf Conc, 7 inch, Modified (SYD)	Sidewalk, Conc, 7 inch, Modified (SFT)
11+25 RT	CONC	CONC	16	10	14.5	4	6.5	13	100
11+73 RT	CONC	CONC	16	10	14.5	7.9	6.5	13	100
12+11 RT	CONC	CONC	25	19	18	6.2	6.5	29	147
14+25 RT	CONC	CONC	21	11	14	8.7	7.8	11	201
14+89 LT	CONC	CONC	22	12	14	6	4.8	12	198

CONC = CONCRETE DRIVE

* PROPOSED SLOPES GIVEN IN TABLE ARE AT CENTER OF DRIVEWAY AND REPRESENT POINT INFORMATION. CONTRACTOR SHALL VERIFY THAT DRIVEWAY SLOPES ARE LESS THAN 10% AND AT LEAST 1% IN ANY DIRECTION PRIOR TO PLACING HMA OR CONCRETE.

SEWER STRUCTURE SCHEDULE

STRUCTURE NUMBER	DIAMETER	STRUCTURE TYPE	COVER TYPE	ELEVATION	PIPE INVERT AND DIRECTION	SEWER TRAP** (EA)	SUMP (FT)	STATION ***	OFFSET ***
EX 1314		EX		RIM 588.72	EX – 18" 566.51 NE EX – 12" 586.76 W EX – 12" 566.51 SW PR – 6" 587.58 N			10+43	9.6 RT
1	48"	CI	K	T/C 593.02	PR – 12" 589.10 SE		2	11+11	17.8 RT
2	48"	CI	K	T/C 591.45	PR – 6" 587.80 S PR – 12" 587.10 NW	1	2	10+55	28.1 RT

SEWER PIPE SCHEDULE

PIPE NUMBER	DIAMETER	Sewer, _ inch, SDR-26 (Ft)	SLOPE
STM 1-2	12"	57	3.47%
STM 2-EX	6"	16	1.00%

** = Sewer Trap – SEE SHEET 12 FOR DETAILS
*** = STATION/ OFFSETS FOR PROPOSED SEWER MANHOLES ARE TO CENTER OF STRUCTURE AND CURB INLETS ARE TO THE CENTER OF CASTING.

Know what's **below.**
Call before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

CONSTRUCTION PLAN SHEET
HANCOCK & AMES RECONSTRUCTION
HANCOCK STREET

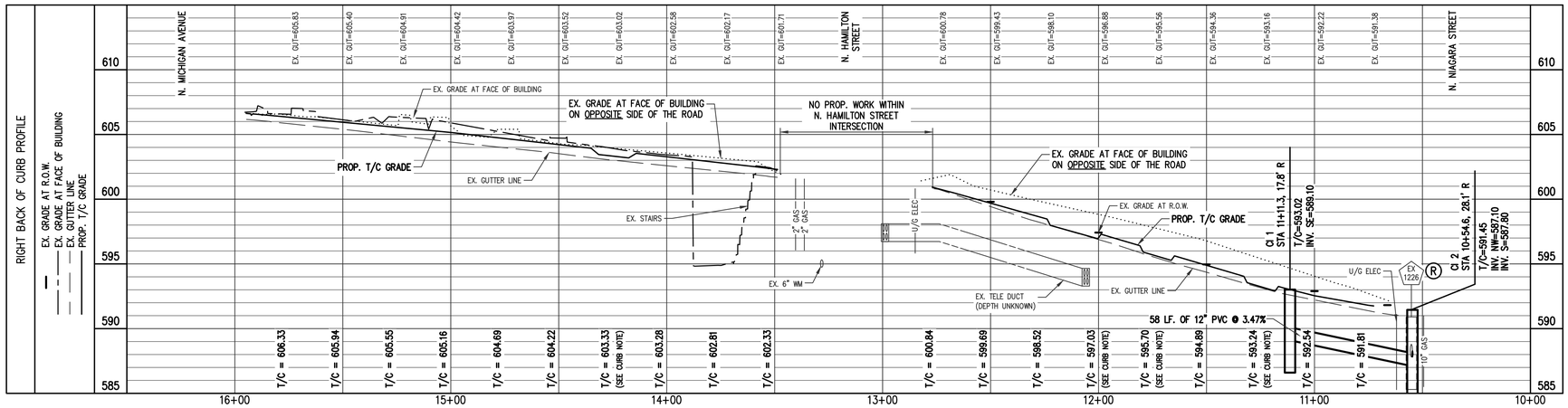
DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

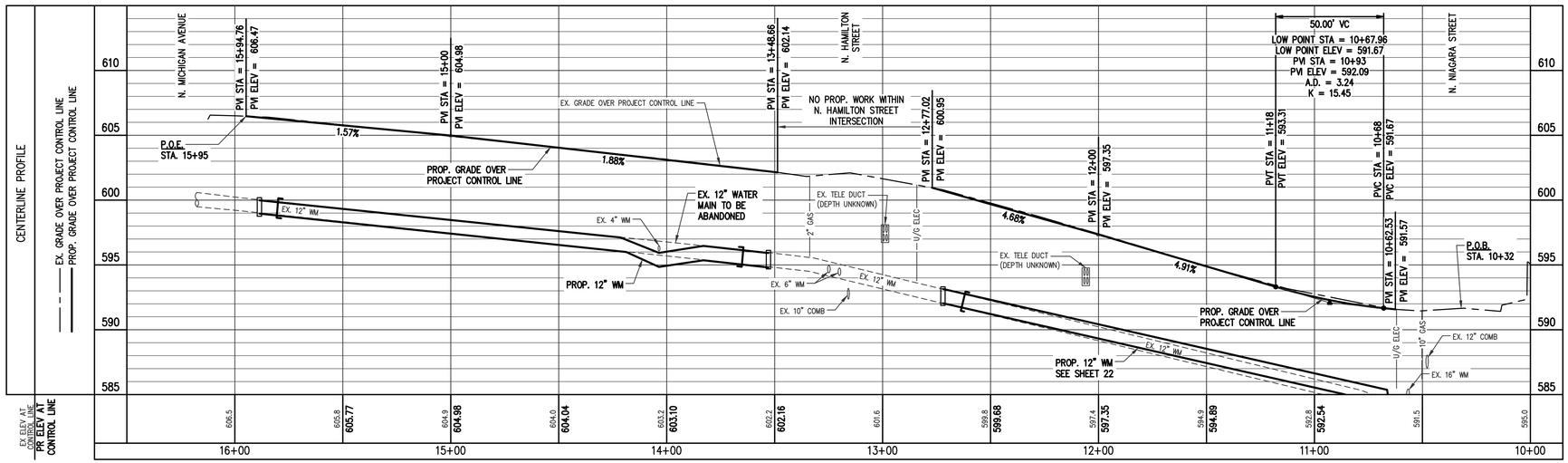
CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE 1" = 30'
SHEET 14 OF 24 SHEETS

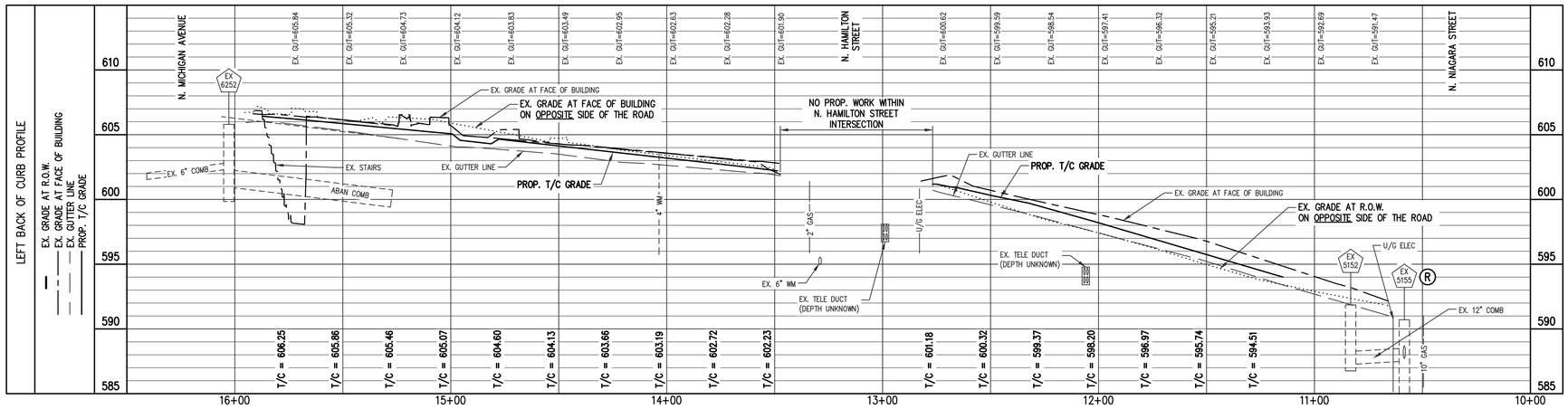
REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1726			14

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS







NOTES:

1. MASS GRADING ELEVATIONS SHALL BE DETERMINED BASED ON THE PAVEMENT CROSS-SECTION PROVIDED IN THE TYPICAL CROSS-SECTION SHEETS.
2. LEFT AND RIGHT PROFILES ARE THE PROPOSED ELEVATIONS AT THE TOP OF CURB.
3. CENTER PROFILE IS THE PROPOSED TOP OF PAVEMENT ELEVATIONS AT THE CONTROL LINE.
4. T/C ELEVATIONS ARE AT 25' INTERVALS UNLESS OTHERWISE NOTED.

CURB NOTE:

1. T/C ELEVATIONS IN DRIVE OPENINGS ARE TO TOP OF "L" OPENING (KNOCKED DOWN CURB). ADD 0.42' TO GET FULL HEIGHT CURB FOR STRINGING / STAKING PURPOSES.

Know what's **below.**
Call before you dig.

HOR: 0 30 ft 60 ft
VERT: 0 5 ft 10 ft

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

PROFILE SHEET
HANCOCK & AMES RECONSTRUCTION
HANCOCK STREET

DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE 1" = 30' HZ; 1" = 5' VT
SHEET 15 OF 24 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1726			15

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS

26+20 11.7R SANITARY MH

26+07 37.6R ORNAMENTAL LIGHT

25+94 32.3R METAL POST
REM 25+89 22.7R STOP SIGN
25+86 35.0R ADVERTISING SIGN

25+61 54.9R COMMERCIAL BUILDING
25+57 50.9R COMMERCIAL BUILDING
REM 25+56 23.0R PARKING SIGN

25+34 35.5R CHAINLINK W/BL WIRE

25+10 35.7R CHAINLINK W/BL WIRE
25+02 36.2R FENCE GATE

24+95 35.5R CHAINLINK W/BL WIRE

REM 24+77 21.7R PARKING SIGN
24+71 35.2R CHAINLINK W/BL WIRE
24+68 40.3R 4" DECID. TREE
24+68 21.5R ELEC & LIGHT POLE
24+63 41.0R 4" DECID. TREE
24+63 45.7R BOARD FENCE
24+57 32.7R BOARD FENCE

24+27 32.5R BRICK BUILDING
24+20 32.2R DOWN SPOUT
24+20 32.5R BRICK BUILDING

24+10 18.1R GATE VALVE

23+99 32.3R DOWN SPOUT

23+90 22.5R WATER STOP BOX

23+84 32.7R BRICK BUILDING

23+72 21.6R METAL POST
23+57 15.0R MISC POST
23+56 32.7R BRICK BUILDING
23+52 22.6R TP 7
23+50 22.6R TP 7
23+49 11.3R MISC POST
23+41 13.1R MISC POST
23+40 45.7R PARKING SIGN
23+40 45.7R COMBO HALL BOYC
23+37 35.6R COMBO HALL BOYC
23+34 27.7R MISC POST
23+30 6.4R MISC POST
23+28 31.9R MISC POST

23+16 0.0R MONUMENT
23+11 14.2R GATE VALVE

22+99 38.1R GATE VALVE
22+98 0.0R CL TEL MH
22+94 37.0R FIRE HYDRANT
22+92 31.2R ORNAMENTAL LIGHT
22+87 45.8R ELEC OUTLET
22+83 30.0R CHAINLINK
22+77 22.4R ELEC POLE
22+73 27.2R BM 8
REM 22+73 22.0R STOP SIGN

REM 22+54 20.9R PARKING SIGN
REM 22+54 21.3R PARKING SIGN

REM 22+05 21.3R PARKING SIGN

21+88 30.2R FENCE GATE

21+72 11.3R GATE VALVE
21+72 22.7R TELE RISER
21+72 21.9R ELEC & LIGHT POLE

21+69 0.1R STORM MH

21+65 30.2R CHAINLINK

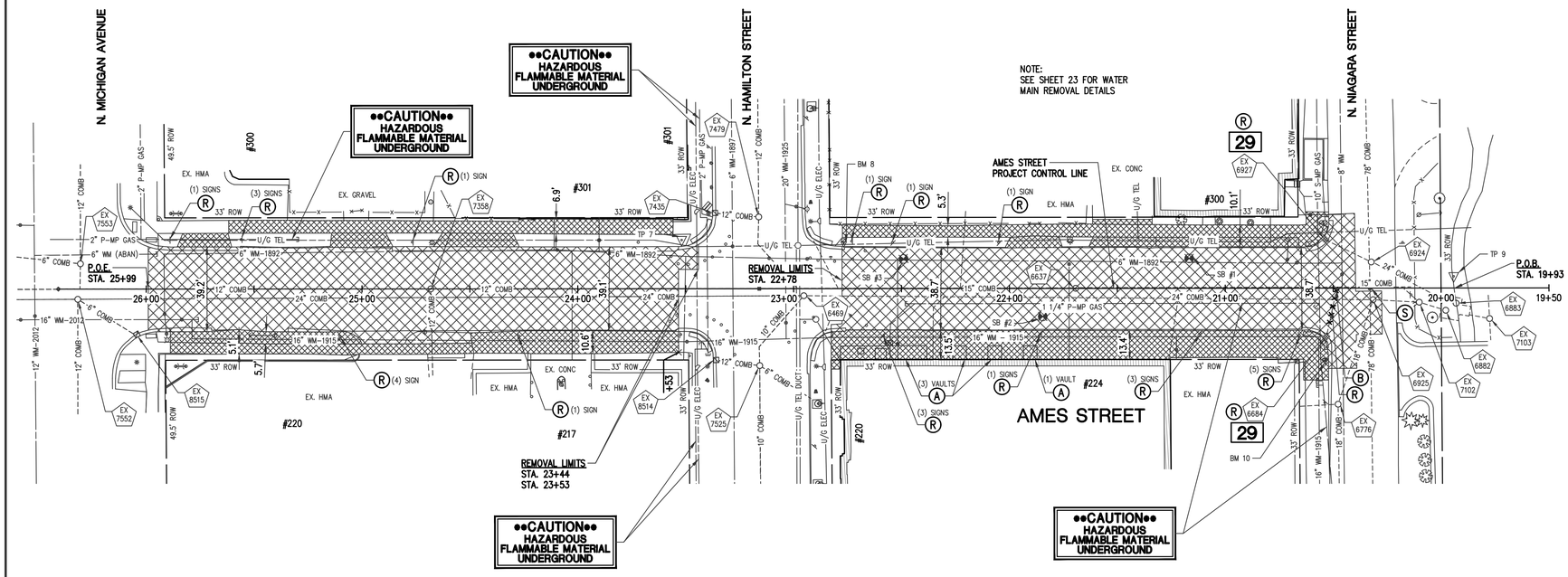
21+33 33.4R BRICK BUILDING
21+20 31.8R 5' DECID. SHRUB

21+03 31.7R 3' DECID. SHRUB

20+88 30.2R 3' DECID. SHRUB
20+73 33.3R BRICK BUILDING
20+71 13.4R GATE VALVE
20+71 22.2R TELE RISER
20+67 11.8R GATE VALVE
20+66 50.7R BRICK BUILDING
20+61 34.0R WATER STOP BOX
20+58 30.2R CTV & TELE POLE
20+55 30.4R CTV & TELE POLE
20+54 22.4R SQUARE CB
REM 20+54 22.4R SQUARE CB
20+46 6.4R GATE VALVE

SAVE 20+33 0.0R MONUMENT

20+32 12.1R SANITARY MH
20+31 30.2R CHAINLINK
20+13 41.6R POST & RAIL
20+12 31.7R POST & RAIL
20+12 41.6R POST & RAIL
20+10 34.0R GUY POLE
20+10 41.9R 52" DIA. TREE
20+09 61.4L 5" CONIF. SHRUB
20+04 13.6L 5" FIVE STEM TREE
20+02 23.0L POST & RAIL



0 30 ft 60 ft

SHEET QUANTITIES

DESCRIPTION	QUANTITY	UNITS
Dr Structure, Rem	2	Ea
Sewer, Rem, Less than 24 inch	24	Ft
Sidewalk, Rem	1015	Syd
Pavt, Rem, Modified	2210	Syd
Erosion Control, Inlet Protection, Fabric Drop	2	Ea
Sign, Type III, Rem	25	Ea
Monument Preservation	1	Ea

GENERAL NOTES

1. ASBESTOS SEWER PIPE HAS BEEN LOCATED BY CITY D.P.W. IN THIS AREA IN THE PAST AND COULD BE ENCOUNTERED ON THIS PROJECT. THE CONTRACTOR MUST BE AWARE OF THE RISKS OF WORKING WITH ASBESTOS AND TAKE ALL NECESSARY PRECAUTIONS.

2. SEWER BULKHEAD COSTS INCLUDED IN OTHER PAY ITEMS AND NOT PAID FOR SEPARATELY.

Know what's **below.**
Call before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

REMOVAL SHEET
HANCOCK & AMES RECONSTRUCTION
AMES STREET

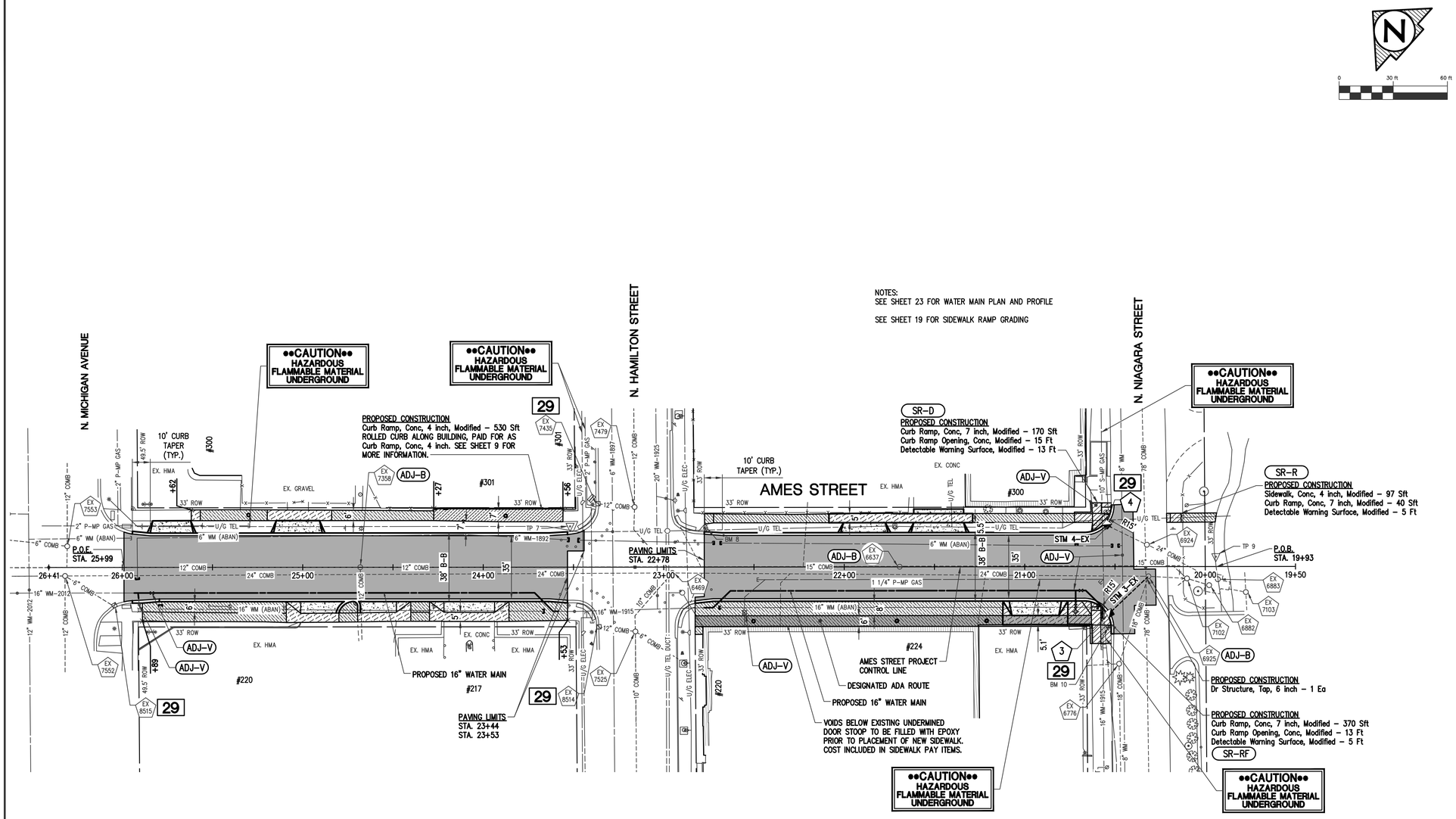
DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE 1" = 30'
SHEET 16 OF 24 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1726			16

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS



SHEET QUANTITIES

DESCRIPTION	QUANTITY	UNITS
Machine Grading, Modified	5	Sta
Erosion Control, Inlet Protection, Fabric drop	5	Ea
Subbase, CIP	750	Cyd
Aggregate Base, 4 inch, Modified	270	Syd
Aggregate Base, 9 inch, Modified	1960	Syd
Geotextile, Separator, Modified	2230	Syd
Sewer, 6 inch, SDR-26	35	Ft
Sewer Trap	2	Ea
Dr Structure, Tap, 6 inch	1	Ea
Combined Sewer Manhole, Adj, Add Depth	1	Ft
Combined Sewer Manhole, Cover, Adj, Case 1	3	Ea
Dr Structure Cover, ADA Compliant, Modified	1	Ea
Dr Structure Cover, Type B, Modified	3	Ea
Dr Structure Cover, Type K, Modified	1	Ea
Dr Structure, 48 inch dia, Modified	2	Ea
Gas and Water Shutoff, Adj, Modified	6	Ea
Hand Patching	4	Ton
HMA, 4EL	250	Ton
HMA, 5EL	250	Ton
Driveway, Nonreinf Conc, 7 inch, Modified	161	Syd
Curb and Gutter, Conc, Det F2, Modified	951	Ft
Curb Ramp Opening, Conc, Modified	28	Ft
Detectable Warning Surface, Modified	23	Ft
Curb Ramp, Conc, 4 inch, Modified	530	Sft
Curb Ramp, Conc, 7 inch, Modified	580	Sft
Sidewalk, Conc, 4 inch, Modified	4865	Sft
Sidewalk, Conc, 7 inch, Modified	1800	Sft

GENERAL NOTE

ASBESTOS SEWER PIPE HAS BEEN LOCATED BY CITY D.P.W. IN THIS AREA IN THE PAST AND COULD BE ENCOUNTERED ON THIS PROJECT. THE CONTRACTOR MUST BE AWARE OF THE RISKS OF WORKING WITH ASBESTOS AND TAKE ALL NECESSARY PRECAUTIONS.

DRIVEWAY REPLACEMENT SCHEDULE

C/L DRIVEWAY STATION	EXISTING DRIVEWAY TYPE	PROPOSED DRIVEWAY TYPE	WIDTH AT ROAD (FT)	WIDTH AT BACK OF DRIVEWAY (FT)	LENGTH OF DRIVEWAY REPLACEMENT FROM B/C (FT)	EXISTING SLOPE (%)	PROPOSED SLOPE (%)	Driveway, Nonreinf Conc, 7 inch, Modified (SYD)	Sidewalk, Conc, 7 inch, Modified (SFT)
20+94 LT	CONC	CONC	36	26	8	3.1	5.9	28	225
21+48 RT	CONC	CONC	34	28	13	7.3	2.2	27	205
21+89 RT	CONC	CONC	30	24	6	6.2	4.5	17	205
24+08 LT	CONC	CONC	28	28	6	5.7	8.2	19	318
24+58 LT	CONC	CONC	21	20	6	6.9	6.7	14	195
24+91 LT	CONC	CONC	24	20	7	8.5	6.5	16	198
25+03 RT	CONC	CONC	30	24	7	8.3	6.3	21	210
25+73 RT	CONC	CONC	27	21	7	7.8	9	19	30

CONC = CONCRETE DRIVE

* PROPOSED SLOPES GIVEN IN TABLE ARE AT CENTER OF DRIVEWAY AND REPRESENT POINT INFORMATION. CONTRACTOR SHALL VERIFY THAT DRIVEWAY SLOPES ARE LESS THAN 10% AND AT LEAST 1% IN ANY DIRECTION PRIOR TO PLACING HMA OR CONCRETE.

SEWER STRUCTURE SCHEDULE

STRUCTURE NUMBER	DIAMETER	STRUCTURE TYPE	COVER TYPE	ELEVATION	PIPE INVERT AND DIRECTION	SEWER TRAP** (EA)	SUMP (FT)	STATION ***	OFFSET ***
3	48"	CI	K	T/C 591.95	PR – 6" 588.95 E	1	2	20+54	26.2 LT
4	48"	CI	ADA	T/C 592.18	PR – 6" 588.70 S	1	2	20+55	23.8 RT

SEWER PIPE SCHEDULE

PIPE NUMBER	DIAMETER	Sewer, _ inch, SDR-26 (Ft)	SLOPE
STM 3–EX	6"	30	1.00%
STM 4–EX	6"	5	1.36%

** = Sewer Trap – SEE SHEET 12 FOR DETAILS
*** = STATION/ OFFSETS FOR PROPOSED SEWER MANHOLES ARE TO CENTER OF STRUCTURE AND CURB INLETS ARE TO THE CENTER OF CASTING.

Know what's **below.**
Call before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

CONSTRUCTION PLAN SHEET
HANCOCK & AMES RECONSTRUCTION
AMES STREET

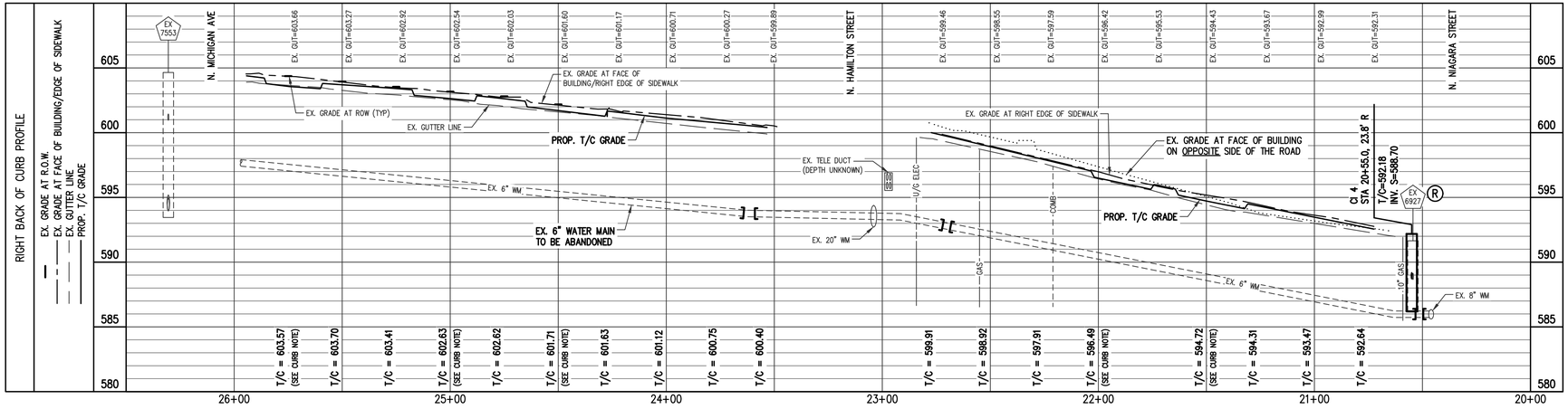
DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

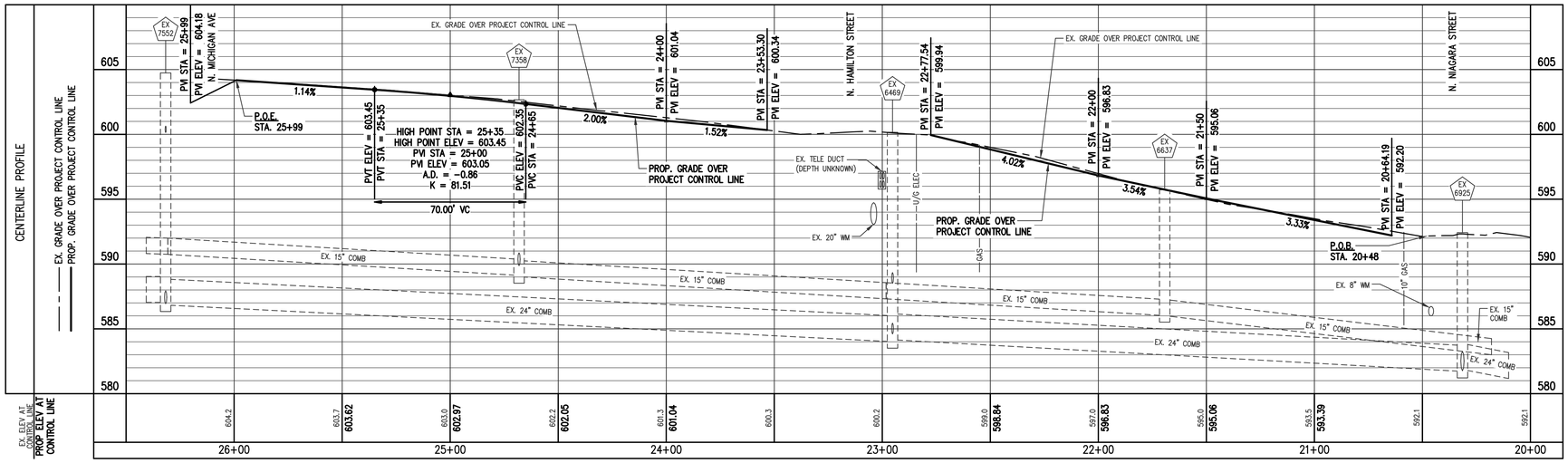
CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE 1" = 30'
SHEET 17 OF 24 SHEETS

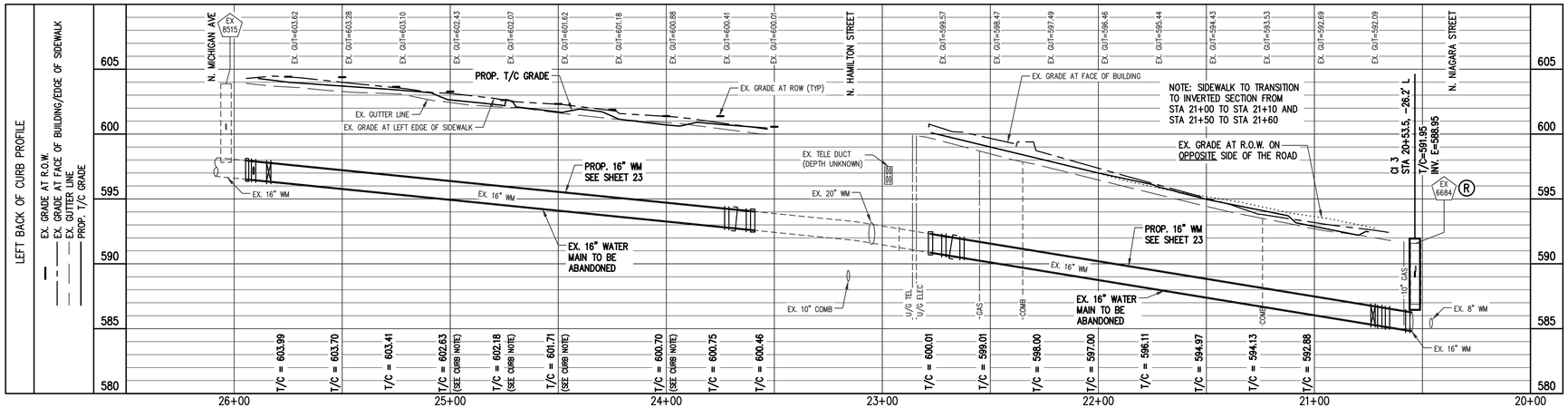
REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1726			17

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS







NOTES:

1. MASS GRADING ELEVATIONS SHALL BE DETERMINED BASED ON THE PAVEMENT CROSS-SECTION PROVIDED IN THE TYPICAL CROSS-SECTION SHEETS.
2. LEFT AND RIGHT PROFILES ARE THE PROPOSED ELEVATIONS AT THE TOP OF CURB.
3. CENTER PROFILE IS THE PROPOSED TOP OF PAVEMENT ELEVATIONS AT THE CONTROL LINE.
4. T/C ELEVATIONS ARE AT 25' INTERVALS UNLESS OTHERWISE NOTED.

CURB NOTE:

1. T/C ELEVATIONS IN DRIVE OPENINGS ARE TO TOP OF "L" OPENING (KNOCKED DOWN CURB). ADD 0.42' TO GET FULL HEIGHT CURB FOR STRINGING / STAKING PURPOSES.

Know what's **below.**
Call before you dig.

HOR: 0 30 ft 60 ft
VERT: 0 5 ft 10 ft

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

PROFILE SHEET
HANCOCK & AMES RECONSTRUCTION
AMES STREET

DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

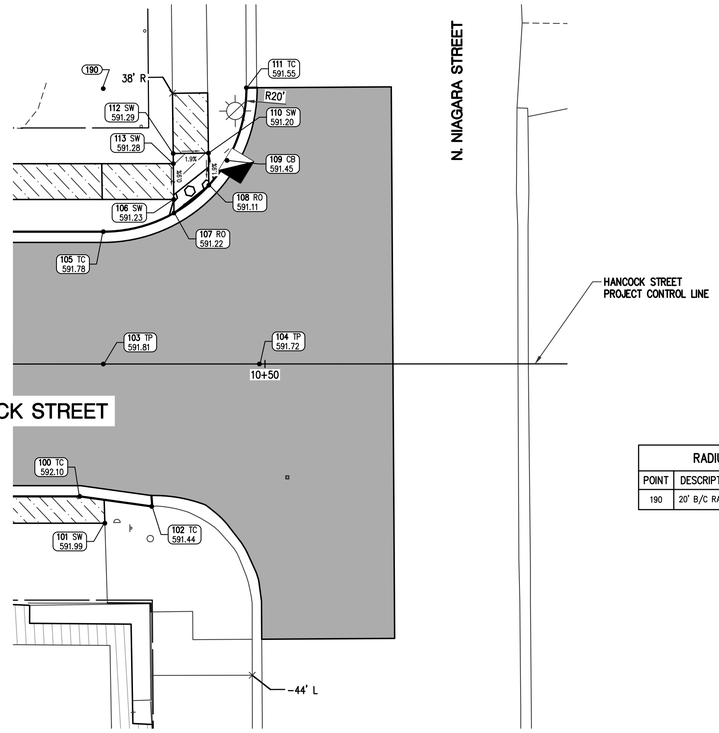
CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE 1" = 30' HZ; 1" = 5' VT
SHEET 18 OF 24 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1726			18

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS

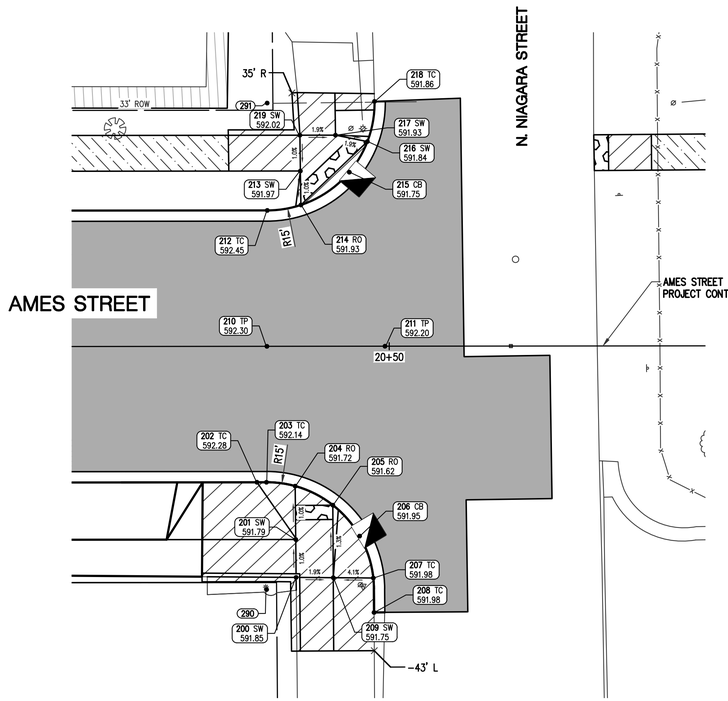
GRADING TABLE				
POINT	ELEVATION	DESCRIPTION	STATION	OFFSET
103	TP=591.81		10+72.59	0.00'
104	TP=591.72		10+50.78	0.00'
105	TC=591.78	SPRING POINT	10+72.59	18.50' R
106	SW=591.23	LEVEL LANDING	10+62.74	23.00' R
107	RO=591.22	LEVEL LANDING; ADD 0.42' TO GET FULL HEIGHT CURB	10+62.71	21.11' R
108	RO=591.11	LEVEL LANDING; ADD 0.42' TO GET FULL HEIGHT CURB	10+57.84	24.99' R
109	CB=591.45		10+55.29	28.46' R
110	SW=591.20	LEVEL LANDING	10+57.89	29.48' R
111	TC=591.55	SPRING POINT, MATCH EXISTING	10+52.59	38.61' R
112	SW=591.29	LEVEL LANDING	10+62.81	29.42' R
113	SW=591.28	LEVEL LANDING	10+62.80	28.00' R



RADIUS POINTS			
POINT	DESCRIPTION	STATION	OFFSET
190	20' B/C RADIUS	10+72.59	38.50' R

GRADING TABLE				
POINT	ELEVATION	DESCRIPTION	STATION	OFFSET
100	TC=592.10	SW	10+75.88	18.50' L
101	SW=591.99	MATCH EXISTING	10+72.38	22.25' L
102	TC=591.44	MATCH EXISTING	10+65.84	19.91' L

GRADING TABLE				
POINT	ELEVATION	DESCRIPTION	STATION	OFFSET
210	TP=592.30		20+67.10	0.00'
211	TP=592.20		20+50.60	0.00'
212	TC=592.45	SPRING POINT	20+67.02	19.00' R
213	SW=591.97	LEVEL LANDING	20+62.39	24.50' R
214	RO=591.93	ADD 0.42' TO GET FULL HEIGHT CURB	20+62.33	19.75' R
215	CB=591.75	ADD 0.42' TO GET FULL HEIGHT CURB	20+55.56	24.33' R
216	SW=591.84	LEVEL LANDING	20+53.03	28.61' R
217	SW=591.93	LEVEL LANDING	20+57.48	29.50' R
218	TC=591.86	SPRING POINT, MATCH EXISTING	20+52.03	34.22' R
219	SW=592.02	LEVEL LANDING	20+62.46	29.50' R



RADIUS POINTS			
POINT	DESCRIPTION	STATION	OFFSET
290	15' B/C RADIUS	20+67.18	34.00' L
291	15' B/C RADIUS	20+67.02	34.00' R

GRADING TABLE				
POINT	ELEVATION	DESCRIPTION	STATION	OFFSET
200	SW=591.85	LEVEL LANDING	20+63.05	32.30' L
201	SW=591.79	LEVEL LANDING	20+63.10	27.00' L
202	TC=592.28	START TC TAPER	20+68.51	19.00' L
203	TC=592.14	SPRING POINT, TC IN TAPER, DO NOT USE FOR STRINGING	20+67.18	19.00' L
204	RO=591.72	ADD 0.42' TO GET FULL HEIGHT CURB	20+63.16	19.54' L
205	RO=591.62	ADD 0.42' TO GET FULL HEIGHT CURB	20+57.91	22.21' L
206	CB=591.95		20+54.17	26.53' L
207	TC=591.98	SPRING POINT	20+52.27	32.39' L
208	TC=591.98	MATCH EXISTING	20+52.16	37.21' L
209	SW=591.75	LEVEL LANDING	20+57.86	32.35' L

GRADING TABLE LEGEND

CB – CATCH BASIN
RO – RAMP OPENING
SW – TOP OF SIDEWALK
TC – TOP OF CURB
TP – TOP OF BITUMINOUS PAVEMENT

GRADING NOTE:

RAMP OPENING = TOP OF CURB WITH CURB CUT FOR ADA RAMP. ADD 0.42' TO GET FULL HEIGHT CURB FOR STRINGING / STAKING PURPOSES.

Know what's **below.**
Call before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS	
DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

INTERSECTION GRADING SHEET
HANCOCK & AMES RECONSTRUCTION

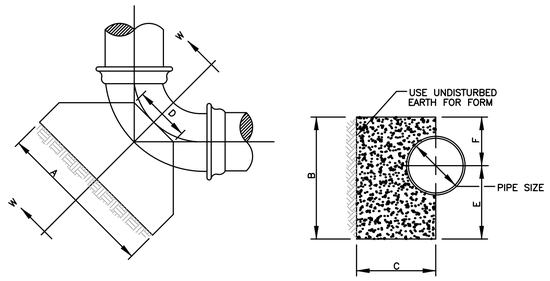
DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE 1" = 10'
SHEET 19 OF 24 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	ITEM	SHEET NO.
N/A	C-1726			19

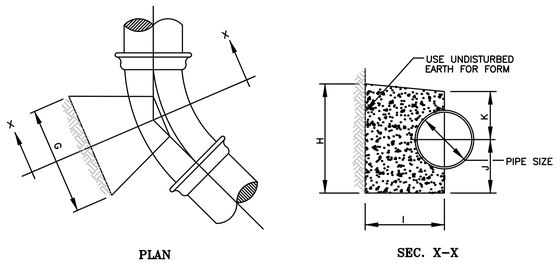
PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS



PLAN SEC. W–W

DETAIL OF BLOCK FOR 90 BEND OR TEE

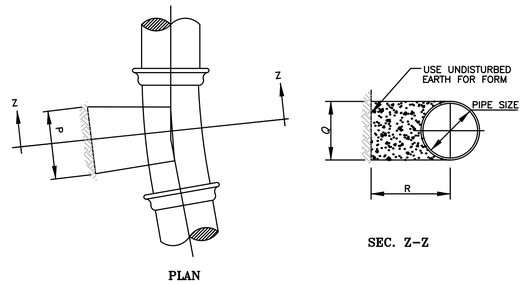
NO SCALE



PLAN SEC. X–X

DETAIL OF BLOCK FOR 45 BEND

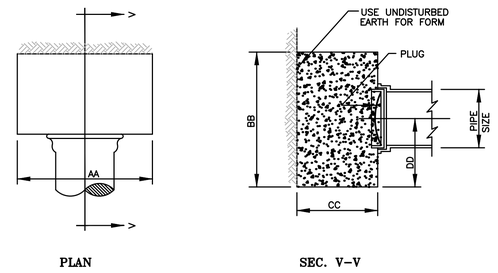
NO SCALE



PLAN SEC. Z–Z

DETAIL OF BLOCK FOR 11 1/4 BEND

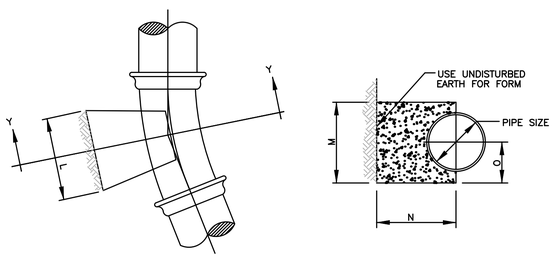
NO SCALE



PLAN SEC. V–V

DETAIL OF BLOCK FOR PLUGS

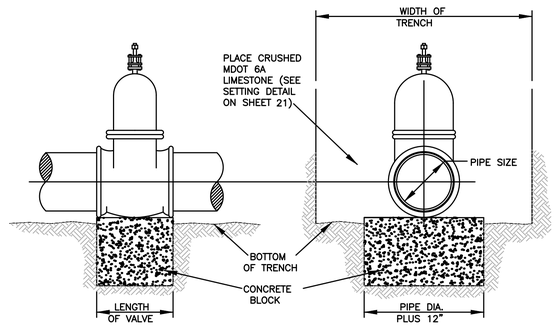
NO SCALE



PLAN SEC. Y–Y

DETAIL OF BLOCK FOR 22 1/2 BEND

NO SCALE



DETAIL OF BLOCK FOR VALVES

(CU. YD. CONCRETE PER BLOCK VARIES)
NO SCALE

–WATER MAIN–
BLOCKING

NOTE: TABLE BELOW IS BASED IN WATER MAIN PRESSURE OF 100 P.S.I. WITH NORMAL CLAY SOIL. FOR WATER MAIN PRESSURE OF 150 P.S.I., INCREASE THE END AREA BY 50%; FOR 180 P.S.I., INCREASE BY 80% AND ETC. FOR SOFT AND ABNORMAL SOIL CONDITIONS, THE THRUST BLOCK SIZE SHALL BE DETERMINED BY THE ENGINEER.

NOTE:
THE CONCRETE USED FOR BLOCKING SHALL BE A MINIMUM COMPRESSIVE STRENGTH OF 3500 POUNDS PER SQUARE INCH IN TWENTY–EIGHT (28) DAYS.

SIZE OF MAIN	PLUGS				MINIMUM CONCRETE REQUIRED	90° BENDS OR TEE						MINIMUM CONCRETE REQUIRED	45° BENDS					MINIMUM CONCRETE REQUIRED	22 1/2° BENDS				MINIMUM CONCRETE REQUIRED	11 1/4° BENDS			MINIMUM CONCRETE REQUIRED	SIZE OF MAIN
	AA	BB	CC	DD		A	B	C	D	E	F		G	H	I	J	K		L	M	N	O		P	Q	R		
4"	1'–0"	1'–0"	1'–0"	0'–6"	0.04 CYD	1'–0"	1'–0"	1'–0"	0'–8"	0'–6"	0'–6"	0.04 CYD	1'–6"	1'–0"	1'–0"	0'–6"	0'–6"	0.04 CYD	0'–8"	0'–8"	1'–0"	0'–4"	0.03 CYD	0'–6"	0'–6"	1'–0"	0.01 CYD	4"
6"	1'–6"	1'–0"	1'–0"	0'–6"	0.06 "	2'–0"	1'–0"	1'–0"	0'–8"	0'–6"	0'–6"	0.07 "	1'–6"	1'–0"	1'–0"	0'–6"	0'–6"	0.04 "	1'–0"	1'–0"	1'–0"	0'–6"	0.03 "	0'–7"	0'–7"	1'–0"	0.01 "	6"
8"	2'–0"	1'–6"	1'–0"	0'–9"	0.11 "	2'–0"	2'–0"	1'–0"	0'–10"	1'–0"	0'–9"	0.12 "	2'–0"	1'–0"	1'–0"	0'–6"	0'–6"	0.08 "	1'–6"	1'–0"	1'–0"	0'–6"	0.04 "	0'–9"	0'–9"	1'–0"	0.02 "	8"
10"	2'–0"	2'–0"	1'–3"	1'–0"	0.19 "	3'–0"	2'–0"	1'–3"	0'–10"	1'–0"	0'–9"	0.19 "	2'–0"	1'–6"	1'–3"	0'–9"	0'–9"	0.11 "	1'–6"	1'–0"	1'–3"	0'–6"	0.07 "	1'–0"	1'–0"	1'–3"	0.04 "	10"
12"	2'–6"	2'–0"	1'–6"	1'–0"	0.28 "	3'–0"	2'–6"	1'–6"	1'–0"	1'–3"	1'–0"	0.32 "	2'–0"	2'–0"	1'–6"	1'–0"	0'–9"	0.15 "	2'–0"	1'–2"	1'–6"	0'–7"	0.08 "	1'–0"	1'–8"	1'–6"	0.05 "	12"
14"	3'–0"	2'–6"	1'–9"	1'–3"	0.49 "	3'–0"	3'–0"	1'–9"	1'–2"	1'–6"	1'–3"	0.49 "	3'–0"	2'–0"	1'–9"	1'–0"	1'–0"	0.29 "	2'–0"	1'–6"	1'–9"	0'–9"	0.16 "	1'–6"	1'–4"	1'–9"	0.12 "	14"
16"	3'–6"	3'–0"	2'–0"	1'–6"	0.52 "	4'–0"	3'–0"	2'–0"	1'–4"	1'–6"	1'–3"	0.69 "	3'–0"	3'–0"	2'–0"	1'–6"	1'–3"	0.47 "	2'–0"	2'–0"	2'–0"	1'–0"	0.24 "	2'–0"	1'–6"	2'–0"	0.20 "	16"
18"	4'–0"	3'–0"	2'–3"	1'–6"	1.00 "	4'–0"	4'–0"	2'–3"	1'–6"	2'–0"	1'–6"	1.06 "	3'–0"	3'–0"	2'–3"	1'–6"	1'–3"	0.51 "	3'–0"	2'–0"	2'–3"	1'–0"	0.48 "	2'–0"	1'–8"	2'–3"	0.24 "	18"
20"	4'–0"	4'–0"	2'–6"	2'–0"	1.45 "	5'–0"	4'–6"	2'–6"	1'–8"	2'–3"	1'–9"	1.23 "	4'–0"	3'–0"	2'–6"	1'–6"	1'–6"	0.82 "	3'–0"	2'–6"	2'–6"	1'–3"	0.58 "	2'–0"	1'–10"	2'–6"	0.30 "	20"
24"	5'–0"	5'–0"	3'–0"	2'–6"	2.78 "	6'–0"	5'–6"	3'–0"	2'–0"	2'–9"	1'–9"	2.74 "	4'–0"	4'–0"	3'–0"	2'–0"	1'–9"	1.21 "	3'–0"	3'–0"	3'–0"	1'–6"	0.80 "	2'–6"	2'–2"	3'–0"	0.42 "	24"
30"	6'–0"	6'–0"	3'–9"	3'–0"	4.96 "	7'–0"	7'–0"	3'–9"	2'–6"	3'–6"	2'–6"	5.39 "	5'–6"	5'–0"	3'–9"	2'–6"	2'–0"	2.14 "	4'–0"	3'–0"	3'–9"	1'–6"	1.35 "	3'–0"	2'–8"	3'–9"	0.98 "	30"
36"	8'–0"	6'–0"	4'–6"	3'–0"	8.00 "	8'–0"	7'–6"	4'–6"	3'–0"	3'–9"	2'–9"	8.12 "	6'–0"	6'–0"	4'–6"	3'–0"	2'–6"	4.03 "	5'–0"	4'–0"	4'–6"	2'–0"	2.77 "	3'–0"	3'–2"	4'–6"	1.36 "	36"
42"	8'–0"	8'–0"	5'–3"	4'–0"	12.44 "	9'–0"	8'–0"	5'–3"	3'–6"	4'–0"	3'–0"	11.58 "	7'–7"	7'–0"	5'–3"	3'–6"	3'–0"	6.43 "	5'–0"	5'–0"	5'–3"	2'–6"	3.85 "	4'–0"	3'–9"	5'–3"	2.17 "	42"

Know what's **below.**
Call before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

CITY OF SAGINAW STANDARD WATER MAIN DETAILS SHEET
HANCOCK & AMES RECONSTRUCTION

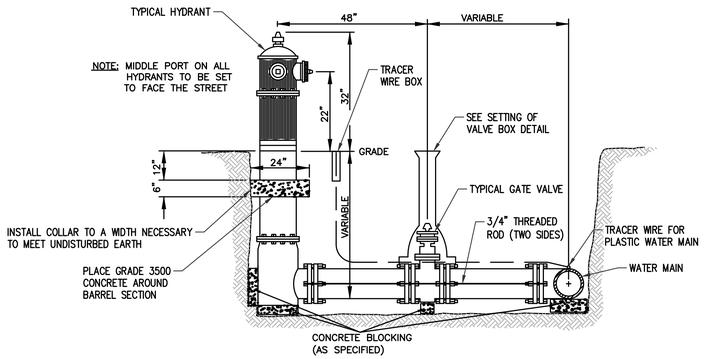
DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE NOT TO SCALE
SHEET 20 OF 24 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C–1726			20

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS

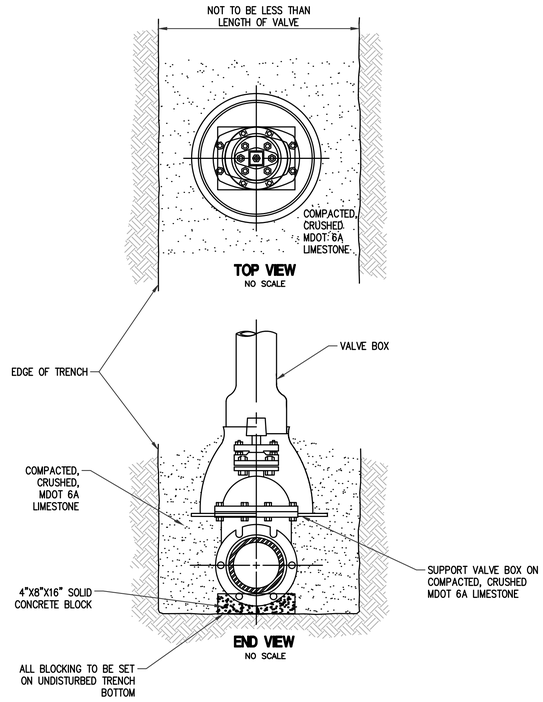


NOTE:

HYDRANT BARREL AND BASE SHALL BE DOUBLE WRAPPED WITH 8 MIL OF POLYETHYLENE TO WITHIN 12" OF FINISH GRADE.

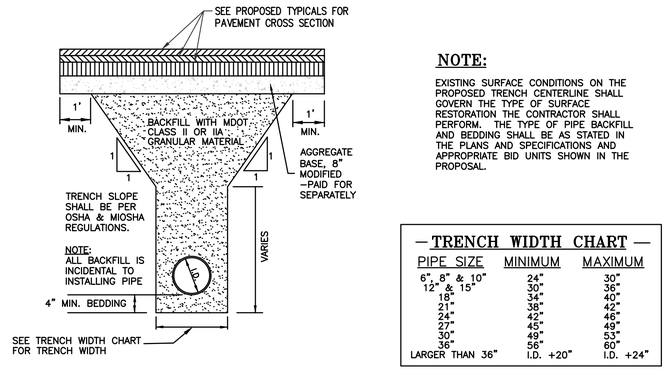
HYDRANT, COMPLETE, 6 INCH

NO SCALE



SETTING OF VALVE BOX

NO SCALE



NOTE:

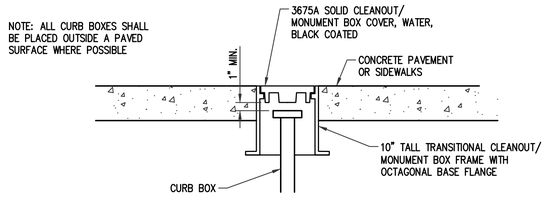
EXISTING SURFACE CONDITIONS ON THE PROPOSED TRENCH CENTERLINE SHALL GOVERN THE TYPE OF SURFACE RESTORATION THE CONTRACTOR SHALL PERFORM. THE TYPE OF PIPE BACKFILL AND BEDDING SHALL BE AS STATED IN THE PLANS AND SPECIFICATIONS AND APPROPRIATE BID UNITS SHOWN IN THE PROPOSAL.

— TRENCH WIDTH CHART —

PIPE SIZE	MINIMUM	MAXIMUM
6", 8" & 10"	24"	30"
12" & 15"	30"	36"
18"	34"	40"
21"	38"	42"
24"	42"	46"
27"	45"	49"
30"	49"	53"
36"	56"	60"
LARGER THAN 36"	I.D. +20"	I.D. +24"

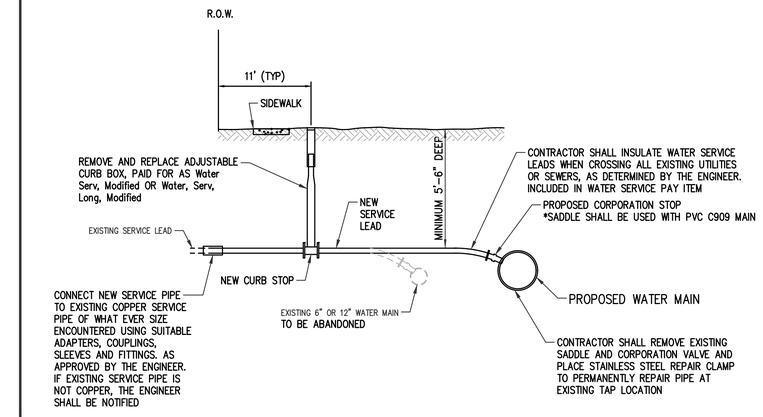
TYPICAL TRENCH DETAIL - FOR WATER MAIN

NO SCALE



CURB BOX IN CONCRETE PAVEMENT DETAIL

NO SCALE

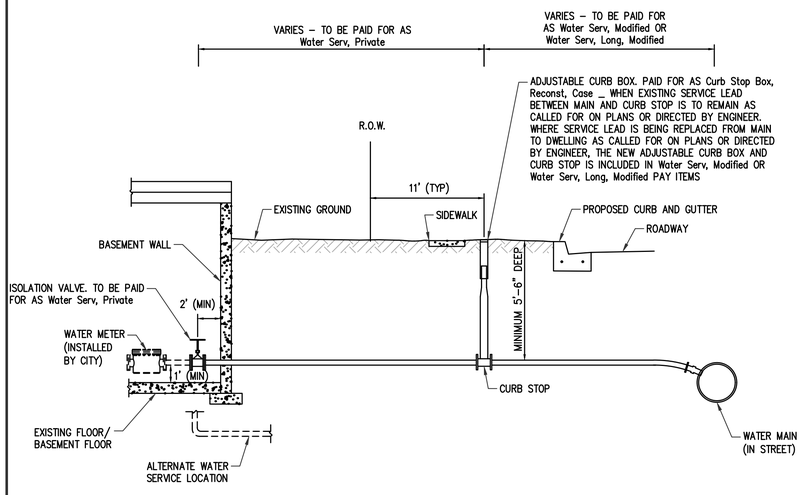


NOTE:

NEW SERVICE LEAD AND CURB STOP SHALL BE SIZE AS CALLED FOR ON PLANS OR BY THE ENGINEER.

WATER SERVICE LEAD TRANSFER DETAIL

NO SCALE



NOTE:

NEW SERVICE LEAD AND CURB STOP SHALL BE SIZE AS CALLED FOR ON PLANS OR BY THE ENGINEER.

PRIVATE WATER SERVICE LEAD TRANSFER DETAIL

NO SCALE

WATER MAIN CONSTRUCTION NOTES

1. ALL MATERIAL AND CONSTRUCTION PROCEDURES SHALL COMPLY WITH THE CONSTRUCTION DRAWINGS AND THE LATEST CITY OF SAGINAW, DEPARTMENT OF WATER AND SEWER CRITERIA.
2. MINIMUM HORIZONTAL DISTANCE BETWEEN WATER MAINS AND SANITARY SEWERS SHALL BE 10 FEET FROM THE OUTSIDE OF THE WATER PIPE TO THE OUTSIDE OF THE SANITARY SEWER, UNLESS OTHERWISE NOTED ON THE PLANS.
3. ALL WATER MAIN SHALL HAVE A MINIMUM COVER OVER THE TOP OF THE PIPE OF 6 FEET FROM FINISHED GRADE. THE STANDARD LAYING CONDITIONS FOR WATER MAIN SHALL BE AS SPECIFIED ON THE DRAWINGS. THE PIPE SHALL BE LAID ON A SAND CUSHION WITH RECESSES TO ACCOMMODATE PIPE BELLS. LAYING MATERIAL, BACKFILL MATERIAL AND COMPACTION IS DEFINED IN THE MDOT STANDARD DETAILS.
4. ALL TRENCH EXCAVATION UNDER OR WITHIN A 1:1 INFLUENCE LINE OF EXISTING OR PROPOSED PAVING, SIDEWALKS OR BUILDINGS SHALL BE BACKFILLED USING TRENCH DETAIL G ON MDOT STANDARD PLAN R-83-B.
5. CONTRACTOR SHALL RESTRAIN ALL THRUST IN THE SYSTEM BY THE USE OF THRUST BLOCKS AND RESTRAINED JOINTS. THIS RESTRAINT SYSTEM WILL BE USED IN CONJUNCTION WITH STANDARD RODDING AND BLOCKING, AS DETERMINED BY THE ENGINEER. ALL TEES, VERTICAL OR HORIZONTAL BENDS AND FUTURE VALVE CONNECTIONS SHALL BE RESTRAINED.

   CONTRACTOR WILL USE A JOINT RESTRAINT SYSTEM, SUCH AS MEGA-LUG BY EBAA IRON, OR APPROVED EQUAL IN CONJUNCTION WITH STANDARD RODDING AND BLOCK, AS DETERMINED BY THE ENGINEER. RESTRAINT LENGTHS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND PER DIPPRA RECOMMENDATIONS.

   THE CONCRETE USED FOR BLOCKING SHALL CONFORM TO GRADE 3500 CONCRETE MIXTURE.

   THE CONTRACTOR SHALL SECURE ALL VERTICAL BENDS WITH A MINIMUM OF 2-3/4" ANCHOR RODS FOR 10" AND SMALLER WATER MAIN AND 3-3/4" ANCHOR RODS FOR 12" WATER MAIN AND LARGER, PER FITTING, EITHER TO CONCRETE BLOCK, WELDED STEEL PIPE SLEEVE OR COLLARS; METHOD USED SHALL BE APPROVED BY THE ENGINEER. ALL BENDS SHALL BE MECHANICAL JOINT. ALL FERROUS PARTS SHALL RECEIVE A 10 MIL (DTM) COATING OF COAL TAR EPOXY.

   ALL HYDRANTS SHALL BE RODDED. THREADED RESTRAINING RODS SHALL BE REQUIRED AT ALL HYDRANTS IN ADDITION TO ALL BLOCKING. RODS SHALL RECEIVE A MINIMUM DRY FILM OF 15 MILS (DTM) OF COAL TAR EPOXY. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID PER EACH HYDRANT INSTALLED.
6. ALL GROUND SURFACES SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER PRIOR TO FINAL CONTRACT APPROVAL.
7. THE CONTRACTOR SHALL INSTALL A CORPORATION, A TEMPORARY BLOWOFF, (LARGER CORPORATIONS MAY BE USED IF APPROVED BY THE CITY) ON THE WATERLINE FOR PRESSURE TESTING, CHLORINE ADDITION AND FOR BLOW-OFF PURPOSES. THE CORPORATIONS SHALL BE APPROPRIATELY SIZED FOR TEMPORARY BLOWOFF FOLLOWING AWWA STANDARDS. THE CORPORATIONS SHALL HAVE COPPER PIPE EXTENDING TO THE GROUND SURFACE. THE CONTRACTOR SHALL REMOVE THE CORPORATION AND COPPER LINE UPON A SATISFACTORY TEST AND INSTALL A PLUG. TEMPORARY CORPORATIONS/BLOWOFFS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN CONTRACT UNIT PRICES FOR WATER MAIN PAY ITEMS.
8. THE CONTRACTOR SHALL ONLY REMOVE PAVEMENT AND EXISTING WATER MAIN NECESSARY TO INSTALL, TEST, AND CONNECT PROPOSED WATER MAIN.
9. ANY AND ALL EXISTING WATER CONNECTIONS AND SERVICES THAT NEED TEMPORARILY RELOCATED TO ALLOW FOR THE INSTALLATION OF THE NEW WATER MAIN WILL BE DONE SO BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. WORK WILL NOT BE PAID FOR SEPARATELY. BUT WILL BE INCLUDED IN UNIT PRICE BID PER FOOT OF WATER MAIN.
10. ALL DUCTILE IRON PIPE SHALL BE DOUBLE WRAPPED IN CANDY CANE PATTERN WITH 8 MIL POLYETHYLENE IN ACCORDANCE WITH ANSI/AWWA C105/A 21.5. WRAP ALL DUCTILE IRON FITTINGS, VALVES AND HYDRANTS IN A DOUBLE WRAP POLYETHYLENE SHEET TO WITHIN 12 INCHES OF FINISH GRADE.

Know what's **below.**
Call before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
-ENGINEERING DIVISION-

CITY OF SAGINAW STANDARD WATER MAIN DETAILS SHEET
HANCOCK & AMES RECONSTRUCTION

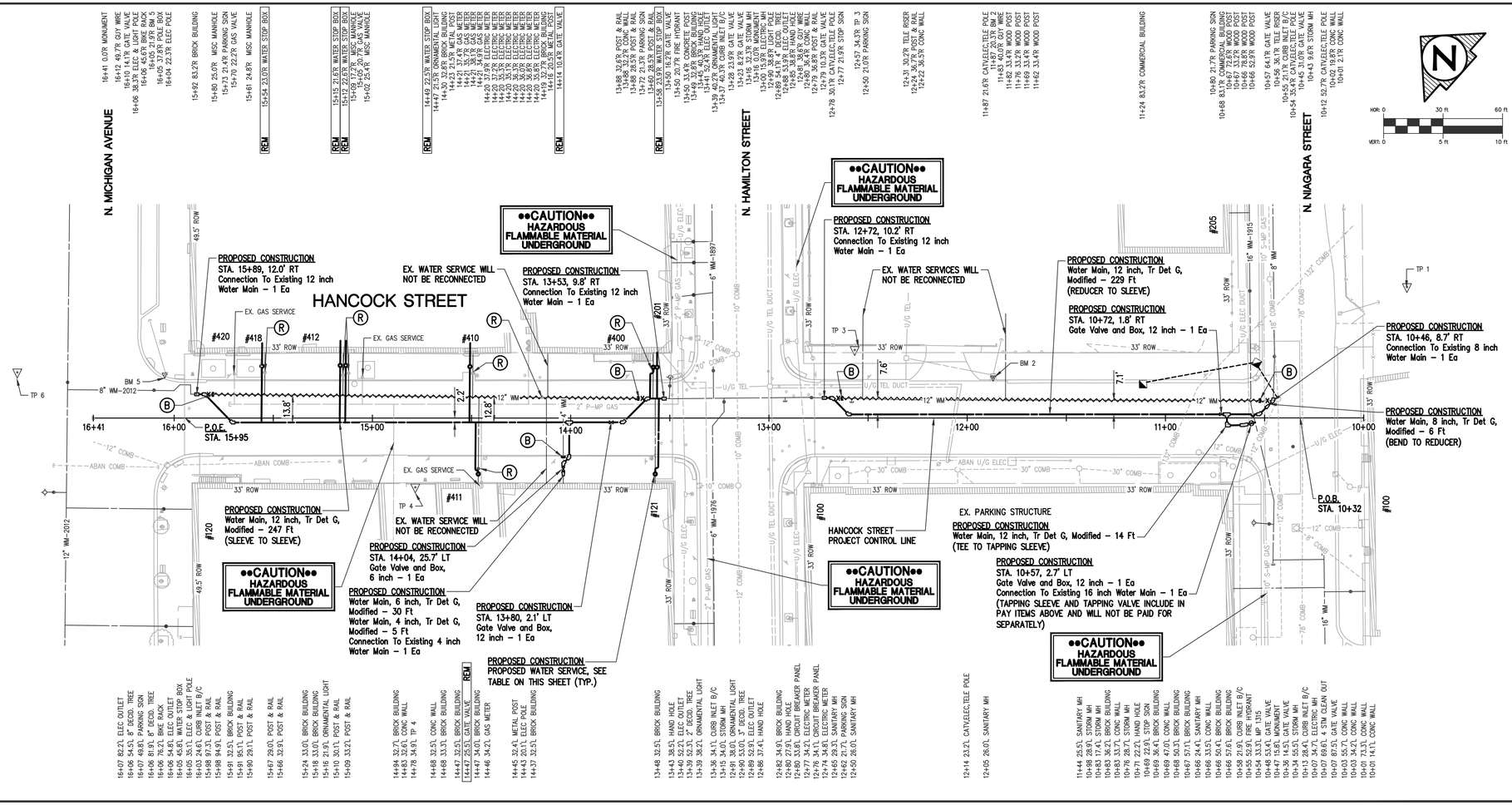
DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

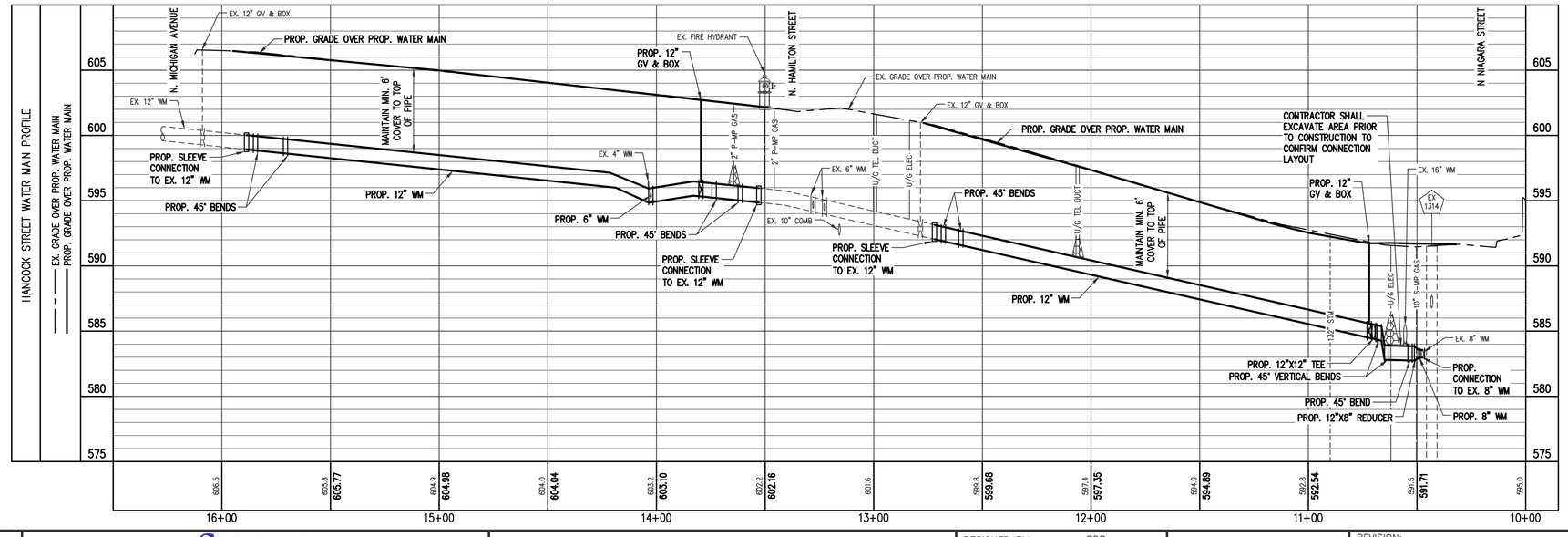
CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE NOT TO SCALE
SHEET 21 OF 24 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1726			21

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS





SHEET QUANTITIES

DESCRIPTION	QUANTITY	UNITS
Gate Valve and Box, 6 inch	1	Ea
Gate Valve and Box, 12 inch	3	Ea
Water Main, 4 inch, Tr Det G, Modified	5	Ft
Water Main, 6 inch, Tr Det G, Modified	30	Ft
Water Main, 8 inch, Tr Det G, Modified	6	Ft
Water Main, 12 inch, Tr Det G, Modified	490	Ft
Connection To Existing 4 inch Water Main	1	Ea
Connection To Existing 8 inch Water Main	1	Ea
Connection To Existing 12 inch Water Main	3	Ea
Connection To Existing 16 inch Water Main	1	Ea
Water Serv, Modified	2	Ea
Water Serv, Long, Modified	6	Ea
Water Serv, Private	5	Ea

WATER SERVICE LEAD TABLE

STATION	ADDRESS OR PARCEL I.D.	TYPE	SIZE	LENGTH (**)	METHOD	REPLACE LEAD BETWEEN BLDG AND CURB STOP (Y/N)
13+56 LT	#121A	LONG	¾"	43'	OPEN CUT	N
13+56 RT	#400	SHORT	¾"	23'	OPEN CUT	Y
13+59 RT	#400	SHORT	1½"	23'	OPEN CUT	N
14+02 LT	#121B	N/A	4"	31'	OPEN CUT	N
14+48 LT	#411	LONG	¾"	31'	OPEN CUT	N
14+51 RT	#410	LONG	¾"	35'	OPEN CUT	Y
15+14 RT	#412	LONG	¾"	35'	OPEN CUT	Y
15+16 RT	#418	LONG	¾"	35'	OPEN CUT	Y
15+56 RT	#420	LONG	¾"	35'	OPEN CUT	Y

*FOR INFORMATION ONLY. CITY WILL LOCATE SERVICES IN THE FIELD DURING CONSTRUCTION.
**APPROXIMATE LENGTH FROM CORPORATION TO CURB STOP. DOES NOT INCLUDE SERVICE LENGTH FROM CURB STOP TO HOUSE.
–REPLACE LEAD BETWEEN BLDG AND CURB STOP, PAID FOR AS Water Serv, Private.
–WATER SERVICES INDICATED AS SHORT IN TABLE ABOVE, PAID FOR AS Water Serv, Modified.
–WATER SERVICES INDICATED AS LONG IN TABLE ABOVE, PAID FOR AS Water Serv, Long, Modified.
–WATER MAIN ABANDONMENT, REMOVAL OF THE EXISTING WATER MAIN, CUTTING AND CAPPING, GATE VALVE BOX REMOVAL, AND REMOVAL OF WATER SHUTOFFS ARE INCLUDED IN LUMP SUM PAY ITEM Abandon Existing Water Main, In Place. REFER TO SPECIAL PROVISION FOR ALTERATIONS TO THE MUNICIPAL WATER SYSTEM.

WATER MAIN FITTING TABLE

FITTING	STATION	OFFSET
8" 45° BEND	10+45.63	8.75' R
8"X12" REDUCER	10+48.57	5.86' R
12" 45° BEND	10+52.65	1.85' R
12" 11.25° BEND	10+60.35	3.56' L
12" 90° BEND	10+69.00	3.80' L
12"X12" TEE	10+69.00	1.85' R
12" 45° BEND	12+59.88	1.85' R
12" 45° BEND	12+67.97	10.17' R
12" SLEEVE	12+72.06	10.17' R
12" SLEEVE	13+52.88	9.83' R
12" 45° BEND	13+61.47	9.91' R
12" 45° BEND	13+73.47	2.10' L
6" 45° BEND	14+00.72	19.78' L
6"X12" TEE	14+00.73	2.12' L
6" 45° BEND	14+03.71	22.78' L
4"X6" REDUCER	14+03.73	29.16' L
12" 45° BEND	15+70.68	2.22' L
12" 45° BEND	15+84.48	11.98' R
12" SLEEVE	15+88.61	12.02' R

NOTES:
1. FOR INFORMATION ONLY AND NOT PAY ITEMS.
2. VERTICAL BENDS NOT INCLUDED. SEE PROFILE FOR APPROXIMATE VERTICAL BEND LOCATIONS.

Know what's **below.**
Call before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

WATER MAIN PLAN AND PROFILE
HANCOCK & AMES RECONSTRUCTION
HANCOCK STREET

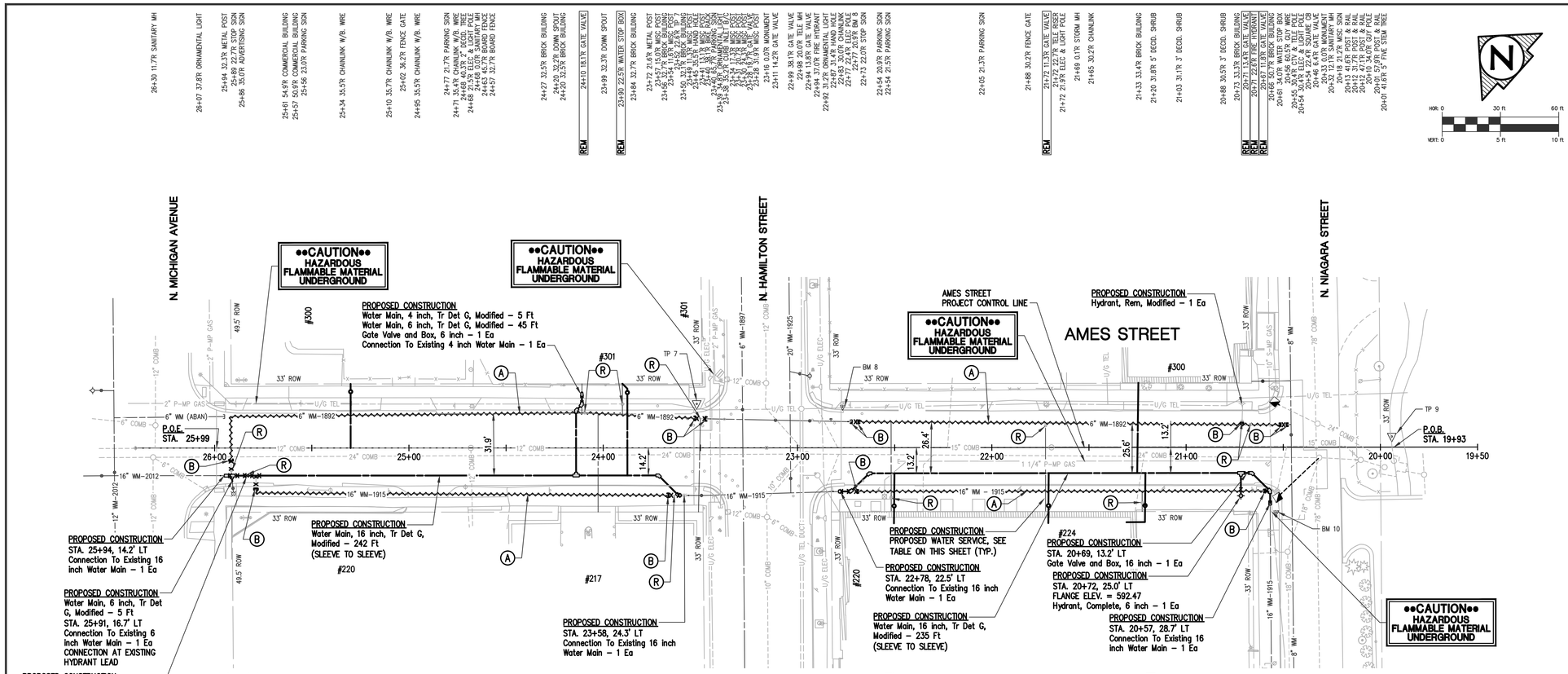
DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

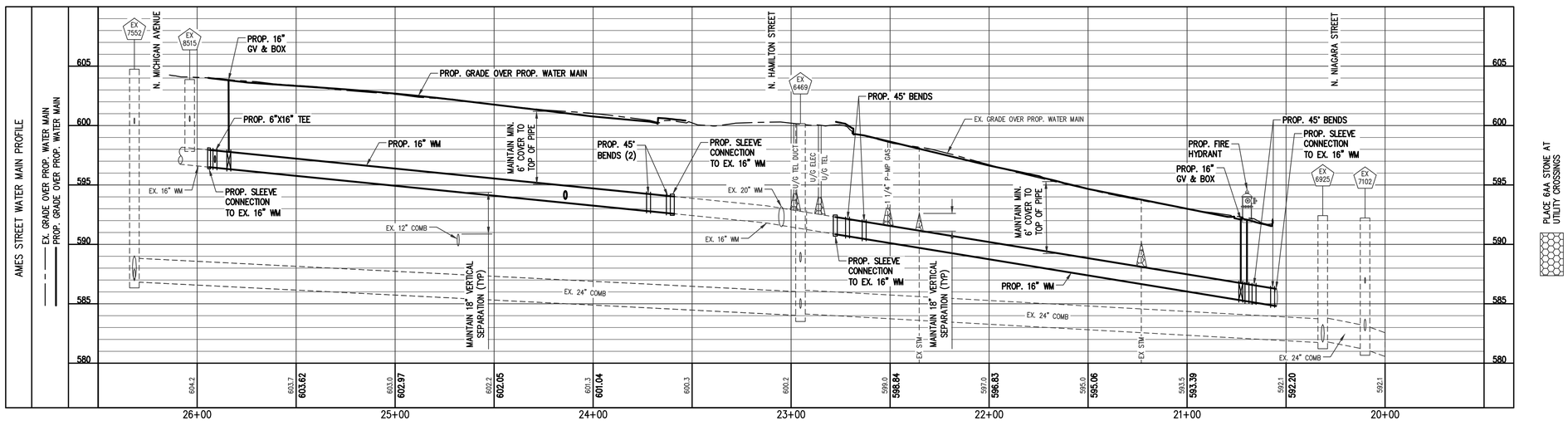
CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE 1" = 30' HZ; 1" = 5' VT
SHEET 22 OF 24 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	ITEM	SHEET NO.
N/A	C-1726			22

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS





SHEET QUANTITIES

DESCRIPTION	QUANTITY	UNITS
Gate Valve and Box, 6 inch	1	Ea
Gate Valve and Box, 16 inch	2	Ea
Water Main, 4 inch, Tr Det G, Modified	5	Ft
Water Main, 6 inch, Tr Det G, Modified	50	Ft
Water Main, DI, 16 inch, Tr Det G, Modified	477	Ft
Connection To Existing 4 inch Water Main	1	Ea
Connection To Existing 6 inch Water Main	1	Ea
Connection To Existing 16 inch Water Main	4	Ea
Hydrant, Rem, Modified	1	Ea
Hydrant, Complete, 6 inch	1	Ea
Water Serv, Modified	3	Ea
Water Serv, Long, Modified	2	Ea
Water Serv, Private	5	Ea

WATER SERVICE LEAD TABLE

STATION	ADDRESS OR PARCEL I.D.	TYPE	SIZE	LENGTH (**)	METHOD	REPLACE LEAD BETWEEN BLDG AND CURB STOP (Y/N)
21+21 LT	#224A	SHORT	¾"	20'	OPEN CUT	Y
21+72 LT	#224B	SHORT	2"	20'	OPEN CUT	Y
22+50 LT	#220	SHORT	2"	20'	OPEN CUT	Y
23+88 RT	#301	LONG	2"	47'	OPEN CUT	Y
24+13 RT	#301	N/A	4"	45'	OPEN CUT	N
25+30 RT	#300	LONG	1"	47'	OPEN CUT	Y

*FOR INFORMATION ONLY. CITY WILL LOCATE SERVICES IN THE FIELD DURING CONSTRUCTION.
**APPROXIMATE LENGTH FROM CORPORATION TO CURB STOP. DOES NOT INCLUDE SERVICE LENGTH FROM CURB STOP TO HOUSE.
–REPLACE LEAD BETWEEN BLDG AND CURB STOP, PAID FOR AS Water Serv, Private.
–WATER SERVICES INDICATED AS SHORT IN TABLE ABOVE, PAID FOR AS Water Serv, Modified.
–WATER SERVICES INDICATED AS LONG IN TABLE ABOVE, PAID FOR AS Water Serv, Long, Modified.
–WATER MAIN ABANDONMENT, REMOVAL OF THE EXISTING WATER MAIN, CUTTING AND CAPPING, GATE VALVE BOX REMOVAL, AND REMOVAL OF WATER SHUTOFFS ARE INCLUDED IN LUMP SUM PAY ITEM Abandon Existing Water Main, in Place. REFER TO SPECIAL PROVISION FOR ALTERATIONS TO THE MUNICIPAL WATER SYSTEM.

WATER MAIN FITTING TABLE

FITTING	STATION	OFFSET
16" SLEEVE	20+56.77	28.67' L
16" 45° BEND	20+56.80	22.47' L
16" 45° BEND	20+66.19	13.19' L
16"X6" TEE	20+71.82	13.19' L
16" 45° BEND	22+63.06	13.19' L
16" 45° BEND	22+72.67	22.50' L
16" SLEEVE	22+77.67	22.50' L
16" SLEEVE	23+58.32	24.43' L
16" 45° BEND	23+61.32	24.43' L
16" 45° BEND	23+71.55	14.19' L
4"X6" REDUCER	24+10.95	27.65' R
6" 45° BEND	24+10.98	22.23' R
16"X6" TEE	24+13.96	14.19' L
6" 45° BEND	24+13.97	19.24' R
16"X6" TEE	25+91.21	14.19' L
16" SLEEVE	25+94.04	14.19' L

NOTES:
1. FOR INFORMATION ONLY AND NOT PAY ITEMS.
2. VERTICAL BENDS NOT INCLUDED. SEE PROFILE FOR APPROXIMATE VERTICAL BEND LOCATIONS.

CONTAMINANT NOTE

1. CONTAMINANTS INCLUDING LEAD AND CARCINOGENIC PAH'S HAVE BEEN DOCUMENTED INSIDE AND BENEATH THE BUILDING CONTAINING 200 AND 224 NORTH HAMILTON STREET. CONTAMINATED AREAS ARE LIMITED TO THE BUILDING AREA. CONTRACTOR SHOULD AVOID AREAS OF CONTAMINATION TO THE MAXIMUM EXTENT POSSIBLE. PART 201 AND PART 213 OF ACT 451 REQUIREMENTS MUST BE MET, AND ANY CONTAMINATED SOIL AND GROUNDWATER MUST BE APPROPRIATELY MANAGED IF ENCOUNTERED. ENGINEER TO BE NOTIFIED IF CONTAMINANTS ARE ENCOUNTERED.

Know what's **below.** **Call** before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS	
DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

WATER MAIN PLAN AND PROFILE
HANCOCK & AMES RECONSTRUCTION
AMES STREET

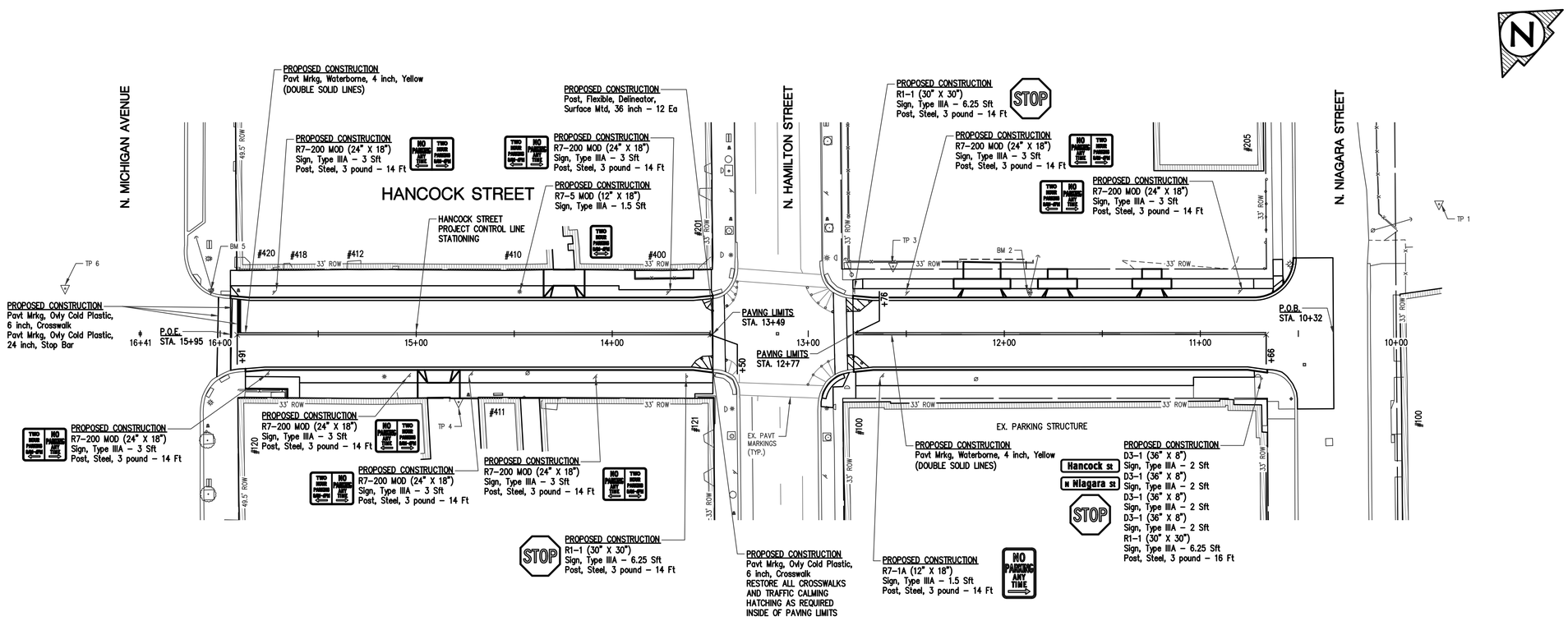
DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

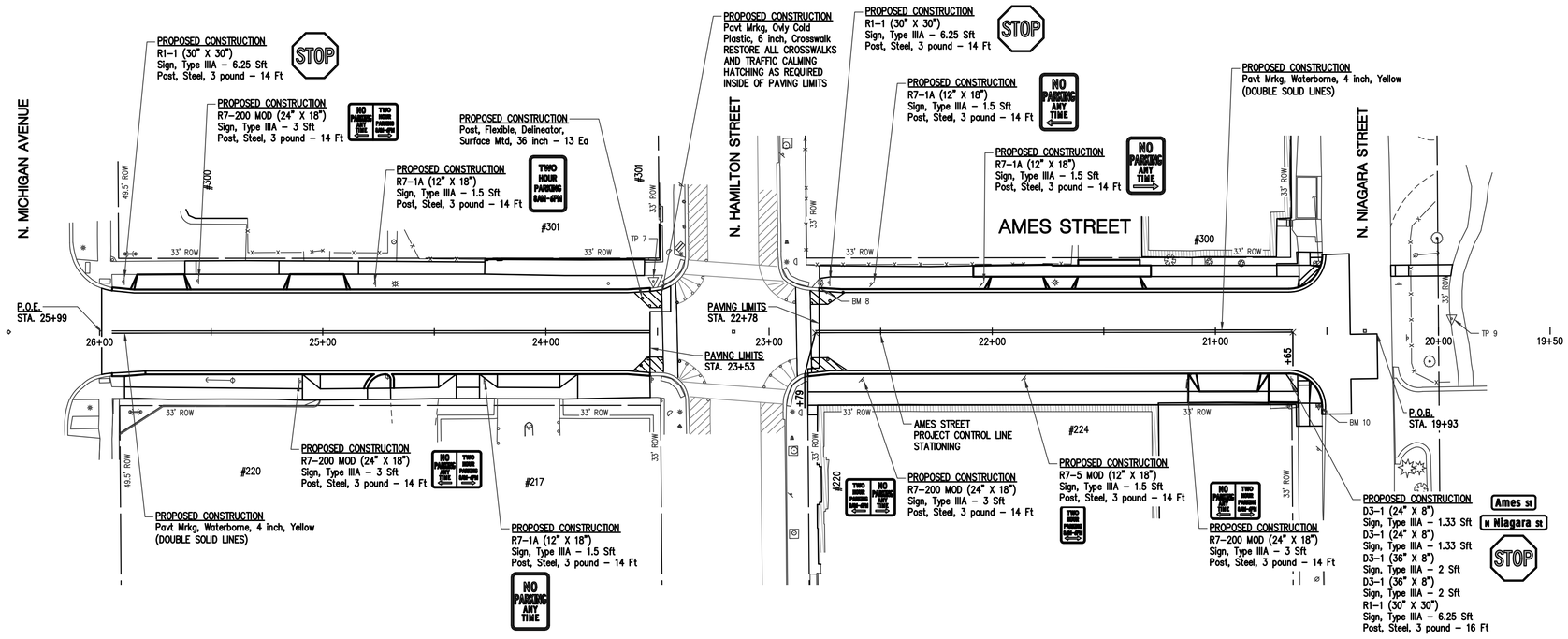
CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE 1" = 30' HZ; 1" = 5' VT
SHEET 23 OF 24 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION	JOB NO.	FEDERAL PROJECT	FEDERAL ITEM	SHEET NO.
N/A	C-1726			23

PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS





SHEET QUANTITIES

DESCRIPTION	QUANTITY	UNITS
Post, Steel, 3 pound	340	Ft
Sign, Type IIIA	99	Sft
Post, Flexible, Delineator, Surface Mtd, 36 inch	25	Ea
Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	675	Ft
Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	18	Ft
Pavt Mrkg, Waterborne, 4 inch, Yellow	1812	Ft
Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	1812	Ft

NOTE:

1. EXISTING SIGN REMOVALS ACCOUNTED FOR ON REMOVAL SHEETS.

Know what's **below.**
Call before you dig.

0 30 ft 60 ft

PLAN SUBMITTALS AND CHANGES
BIDDING DOCUMENTS

DATE	DESCRIPTION
4/17/2026	ISSUED FOR BIDS

CITY OF SAGINAW
DEPARTMENT OF PUBLIC SERVICES
–ENGINEERING DIVISION–

PAVEMENT MARKING AND SIGNING SHEET
HANCOCK & AMES RECONSTRUCTION

DESIGNED BY RDB
DRAWN BY
CHECKED BY DPS
APPROVED BY

CONSTRUCTED
DATE OF PLAN APRIL 2026
SCALE 1" = 30'
SHEET 24 OF 24 SHEETS

REVISION: DATE / INITIALS

CONTROL SECTION N/A | JOB NO. C-1726 | FEDERAL PROJECT | ITEM | SHEET NO. 24
PLOT DATE: April 17, 2026
DRAWING PATH: R:\PROJECTS\20C0257\DWG\CONSTRUCTION DRAWINGS

Professional Service Industries, Inc.
3120 Sovereign Drive, Suite C
Lansing, MI 48911
Phone: (517) 394-5700

July 24, 2020

Mr. Douglas P. Skylis, P.E, Associate, Project Manager
ROWE Professional Services Company
128 North Saginaw Street
Lapeer, Michigan 48446

Re: Geotechnical Exploration and Engineering Report
Proposed Roadway Improvements
Ames Street from S. Hamilton Street to N. Niagara Street &
Hancock Street from N. Michigan Avenue to N. Niagara Street
Saginaw, Michigan
PSI Project No. **0406-568**

Dear Mr. Skylis,

As requested, PSI, an Intertek company, has developed a geotechnical engineering report for the referenced project. The results of this exploration, together with our recommendations, are presented in the accompanying report, a copy of which is being transmitted herewith.

After plans and specifications are complete, PSI should review the final design and specifications to verify that the earthwork and recommendations are properly interpreted and implemented. **It is considered imperative that the geotechnical engineer and/or its representative be present during earthwork operations to observe the field conditions with respect to the design assumptions and specifications. PSI will not be responsible for interpretations and field quality control observations made by others.**

PSI appreciates the opportunity to provide geotechnical engineering and consulting services for your project and looks forward to working with you again. If you have any questions regarding this report, or if we may be of further service, please feel free to contact this office at your convenience.

Respectfully,

PROFESSIONAL SERVICE INDUSTRIES

Musana Nabil
Branch Manager
musana.nabil@intertek.com

Mahmoud E. El-Gamal, Ph.D., P.E., D. GE
Principal Consultant
mahmoud.el-gamal@intertek.com

GEOTECHNICAL EXPLORATION AND ENGINEERING REPORT

FOR THE:

PROPOSED ROADWAY IMPROVEMENTS
AMES STREET
FROM S. HAMILTON STREET TO N. NIAGARA STREET & HANCOCK STREET
FROM N. MICHIGAN AVENUE TO N. NIAGARA STREET
SAGINAW, MICHIGAN

PREPARED FOR:

ROWE PROFESSIONAL SERVICES COMPANY
128 NORTH SAGINAW STREET
LAPEER, MICHIGAN 48446

PREPARED BY:

PROFESSIONAL SERVICE INDUSTRIES, INC.
3120 SOVEREIGN DRIVE, SUITE C
LANSING, MICHIGAN 48911

JULY 24, 2020

PSI PROJECT NO. 0406-568

Musana Nabil
Branch Manager
musana.nabil@intertek.com

Taha Khalaff, P.E.
Senior Geotechnical Engineer
taha.khalaff@intertek.com

Mahmoud E. El-Gamal, Ph.D., P.E., D.GE
Principal Consultant
mahmoud.el-gamal@intertek.com

TABLE OF CONTENTS

PROJECT INFORMATION 1

PROJECT AUTHORIZATION 1
PROJECT DESCRIPTION 1
PURPOSE AND SCOPE OF SERVICES 1

SITE AND SUBSURFACE CONDITIONS 2

SITE LOCATION AND DESCRIPTION 2
FIELD EXPLORATION AND LABORATORY TESTING 2
SUBSURFACE/SURFACE CONDITIONS 3

EVALUATION AND RECOMMENDATIONS 5

SITE PREPARATION AND FILL PLACEMENT 5
PAVEMENT DESIGN RECOMMENDATIONS 7
DRAINAGE AND GROUNDWATER CONSIDERATIONS 8
EXCAVATION SAFETY CONSIDERATIONS 8

REPORT LIMITATIONS 9

APPENDIX 10

APPENDIX

Figure 1 – Site Location Diagram
Figure 2&3 – Boring Location Diagram
Boring Logs (SB-01 through SB-06)
PSI General Notes

PROJECT INFORMATION

Project Authorization

This report presents the results of our geotechnical engineering exploration performed with respect to the proposed Roadway Improvements of Ames Street, from S. Hamilton Street to N. Niagara Street, and Hancock Street, from N. Michigan Avenue to N. Niagara Street, in Saginaw, Michigan. This exploration was performed for ROWE Professional Services Company in accordance with PSI Proposal No. 310232 dated May 5, 2020. The proposal included a proposed scope of services, estimated cost, unit rates, and time schedule. Authorization to perform this exploration and analysis was in the form of an acceptance of PSI's proposal by Mr. Douglas P. Skylis, Associate, Project Manager, ROWE Professional Services Company on June 22, 2020.

Project Description

Project information was provided by ROWE Professional Services Company. The correspondence provided included the following:

- Request for Proposal including Project Description, Scope of Work, and site map.

Briefly, PSI understands that the ROWE Professional Services Company is planning the roadway improvements of Ames Street, from S. Hamilton Street to N. Niagara Street, and Hancock Street, from N. Michigan Avenue to N. Niagara Street, in Saginaw, Michigan. PSI further understands that no structural design details are available at this time.

The geotechnical recommendations presented in this report are based on the available project information and results of our geotechnical exploration. If any of the noted information is considered incorrect or is changed, please inform PSI in writing so that we may amend the recommendations presented in this report if appropriate and if desired by the client. PSI will not be responsible for the implementation of its recommendations when it is not notified of changes in the project. PSI should be consulted once the structure design has been finalized. Additional subsurface investigation may need to be performed by PSI at that time.

Purpose and Scope of Services

The purpose of this exploration was to evaluate the subsurface conditions at the site and to estimate the CBR value of soils for support of pavements for the planned project. The scope of the exploration and analysis included a reconnaissance of the project site, drilling at six (6) locations, field and laboratory testing of recovered samples and an engineering analysis and evaluation of the subsurface materials encountered.

The scope of services did not include an environmental assessment for determining the presence or absence of wetlands, hazardous or toxic materials in the soil, bedrock, surface water, groundwater or air on, below or around this site. Any statement in this report or on the boring logs regarding odors, colors, and unusual or suspicious items or conditions are strictly for informational purposes. Prior to the development of any site an environmental assessment is advisable.

As directed by the scope of work provided by ROWE Professional Services Company, PSI did not provide any service to investigate or detect the presence of moisture, mold or other biological contaminates in or around any structure or any service that was designed or intended to prevent or lower the risk of the occurrence of the amplification of the same. ROWE Professional Services Company acknowledges that mold is ubiquitous to the environment with mold amplification occurring when building materials are impacted by moisture. ROWE Professional Services Company further acknowledges that site conditions are outside of PSI's control and that mold amplification will likely occur or continue to occur in the presence of moisture. As such, PSI cannot and shall not be held responsible for the occurrence or recurrence of mold amplification.

PSI also provides an array of complementary environmental and industrial hygiene services to assist our clients in successfully assessing and developing properties such as the one referenced in this report. PSI's environmental consultants apply their experience, local geologic knowledge and thorough understanding of ASTM standards, environmental risk, and regulatory knowledge to conduct due diligence assessments of a wide range or property types and proposed developments.

SITE AND SUBSURFACE CONDITIONS

Site Location and Description

The project site is located along Ames Street, from S. Hamilton Street to N. Niagara Street, and along Hancock Street, from N. Michigan Avenue to N. Niagara Street, in Saginaw, Michigan. The area is surrounded by commercial developments. The general site location is shown on the site location diagram in the Appendix as Figure No. 1.

Ames Street within the project site are two-lane asphalt-paved roads with grade changes on the order of approximately eight (8) feet generally sloping downhill to the south, based on Google Earth. Hancock Street within the project site are two-lane asphalt-paved roads with grade changes on the order of approximately thirteen (13) feet generally sloping downhill to the south, based on Google Earth. The pavement along Ames Street and Hancock Street appeared to be in poor condition with various indications of distress as observed and described in greater detail below.

Field Exploration and Laboratory Testing

The site subsurface conditions were determined by completion of six (6) soil test borings located within the proposed improvement areas advanced to a depth of approximately ten (10) feet below the existing ground surface. The borings depths were established by ROWE Professional Services Company and were located and marked in the field by PSI in accordance with the project site plans provided by ROWE Professional Services Company. The approximate borings locations are depicted on the Boring Location Diagram included in the Appendix.

The soil borings were completed on July 21, 2020 by means by means of a CME-55 truck-mounted drilling rig equipped with a rotary head utilizing 3¼ inch hollow-stem augers to advance the boreholes. Representative soil samples were recovered employing split-barrel sampling procedures in general accordance with "Penetration Test and Split-Barrel Sampling of Soils" (ASTM D1586). After completion of the soil borings, the holes were backfilled with the excavated soils and the pavement surface was patched.

Pavement thicknesses represented on the boring logs were taken from the boring locations.

Determination of the ground surface elevations by survey at the soil boring locations was not within the scope of PSI's services. Approximate ground elevations were obtained using Google Earth Pro. Prior to final design and construction, field measurement at the boring locations should be made by a professional land surveyor registered in the State of Michigan. References to depths in this report and on the attached Boring Logs are from the existing ground surface unless otherwise noted.

In addition to the field exploration, a laboratory-testing program was conducted to evaluate engineering characteristics of the subsurface materials. The laboratory-testing program included visual classification and moisture content tests on all the material recovered. The unconfined compression strength of the cohesive soils encountered was estimated utilizing a calibrated hand penetrometer. The results of these tests are located on the boring logs which are included in the Appendix. All phases of the laboratory testing program were conducted in general accordance with applicable ASTM specifications. The unused portion of the soil samples will be placed in storage at PSI's Lansing, Michigan facility. Unless otherwise requested in writing, the samples will be discarded after 60 days from the submission of the final report.

Subsurface/Surface Conditions

The subsurface conditions at the project site at the time of our field exploration are summarized below:

Table 1: Existing Pavement Structure Summary

Soil Boring	Approximate Elevation*	Pavement Thickness	Existing Fill Material	Fill Depth	Major Native Stratum
SB-01	592'	2" (Asphalt) 4" (Bricks)	Sand	4.5'	---
SB-02	594'	2½" (Asphalt) 3" (Bricks)	Sand	3.5'	Brown fine SILTY SAND Brown SILTY CLAY
SB-03	596'	4" (Asphalt) 3" (Bricks)	Sand	5'	---
SB-04	592'	10" (Asphalt)	Sand	3.5'	Brown fine to medium SAND Brown SANDY CLAY
SB-05	604'	5" (Asphalt) 7" (Concrete)	Clay	3.5'	Brown SANDY CLAY
SB-06	606'	3½" (Asphalt) 4" (Concrete)	Clay	1.5'	Brown SANDY CLAY

**From Google Earth Pro*

At the time of our field exploration, the surface of boring location SB-01 through SB-03 consisted 2 to 4 inches of asphalt in addition to 3 to 4 inches of bricks. The surface of boring location SB-04 consisted 10 inches of asphalt. the surface of boring location SB-05 and SB-06 consisted 3½ to 5 inches of asphalt in addition to 3 to 7 inches of concrete. Beneath the pavement layers, old fill material composed predominantly of sand and clay was encountered at each boring which extended to depths ranging from

1.5 to 5 feet below the existing pavement surface.

The *native brown fine to medium sand* contained variable percentages of silt, clay, and gravel, was encountered directly blow old fill material at boring locations SB-02 and SB-04 and extended to a depth of approximately 6 feet below the existing pavement surface. Moisture content of the tested sand samples ranged from 8 to 20 percent. Visually, the samples appeared moist to wet when examined in the laboratory. Standard Penetration Test (SPT) values from within the sand stratum ranged from 10 to 19 blows per foot indicating a loose to medium dense relative densities.

The *native brown and gray sandy and silty clay* contained variable percentages of gravel was encountered below old fill at boring locations SB-02, and SB-04 through SB-06. The silty and sandy clay layer extended to the boring final explored depth of approximately 10 feet below the existing pavement surface. Moisture content of the tested sandy and silty clay samples ranged from 10 to 22 percent. Visually, the samples appeared moist to wet when examined in the laboratory. Standard Penetration Test (SPT) values (N values) from within the silty clay layers ranged from 4 to 23 blows per foot. Unconfined compressive strength values estimated using hand penetrometer ranged from ¾ to over 4.5 TSF indicating firm to hard consistencies.

Cobbles and/or boulders were not encountered during drilling operations. The boring logs should be referenced with respect to this information. The presence of boulders and cobbles in the profile is a result of the geologic method of deposition of the soil materials at this site. Even where cobbles or boulders were not noted within the profile they could be encountered very nearby or between the boring positions. The contractor should be equipped for this condition.

The above subsurface descriptions are of a generalized nature and are provided to highlight the major layers encountered. The Boring Logs included in the Appendix should be reviewed for specific information as to individual boring locations. The stratification shown on the Boring Logs represents the conditions encountered at the specific boring locations. Variations may occur and should be expected between boring locations. The stratification represents the approximate boundary between subsurface materials; however, the actual transition may be gradual, abrupt, or not clearly defined. In the absence of foreign substances or debris, it is often difficult to distinguish between native soils and clean fill soil.

Groundwater Information

Free groundwater was encountered during drilling operations at soil boring location SB-04 at a depth of approx. 7.5 feet below the existing pavement surface. Collapse of the soils (i.e. “cave”) was observed during drilling operations at all soil boring locations at depths ranged between 3 and 5.5 feet below the existing pavement surface. The Boring Logs included in the Appendix should be reviewed for specific information as to depths of groundwater and dry caves.

Groundwater levels on this site are likely to vary because of seasonal conditions and fluctuations should be anticipated. Groundwater quantities and flow volumes will largely depend on the permeability of the soil profile. It is recommended that the contractor determine the actual groundwater levels at the time of the construction to evaluate groundwater impact on construction procedures.

Pavement Information

PSI visually observed portions of the pavement surface throughout the project limits. The visual observations of the surface of the roadway indicated longitudinal cracking, transverse cracking, alligator cracking, potholes, and heaving.

EVALUATION AND RECOMMENDATIONS

Site Preparation and Fill Placement

During the field investigation, PSI encountered a pavement section consisting of approximately 2 to 4 inches of asphalt underlaid by of approximately to 3 to 4 inches of bricks at Ames Street boring locations. Pavement section consists of approximately 3½ to 5 inches of asphalt in addition to 3 to 7 inches of concrete at Hancock Street boring locations. The pavement was underlain by fill soils extending to an approximate depth of 1.5 to 5 feet below the existing road surface consisting predominantly of sand and clay. The asphalt and concrete encountered along the project alignments visually appeared to be in poor condition with isolated areas of severe cracking, indicative of HMA fatigue, overuse with limited maintenance, and areas of failed subgrade.

Total pavement reconstruction down to and exposing the underlying native subgrade soils across the full width of the roadway is advisable, particularly in portions of the roadway that exhibited severe distress and offers several advantages. The primary advantage of total reconstruction for this project is that a uniform pavement section can be created across the full width and length of the roadway, including provision of a proper aggregate base course layer (meeting MDOT 21AA gradation requirements) below the pavement. A second advantage of total pavement reconstruction is that areas of subgrade instability may be addressed and corrected prior to placement of the new pavement section.

The aggregate base course is intended to provide drainage and protection of the underlying subgrade soils as well as to provide additional load carrying capacity, especially for flexible pavements. Therefore, to provide drainage below the pavement, PSI recommends that an aggregate base conforming to the requirements of MDOT 21AA be provided below the pavement section where a full reconstruction method is performed.

Where encountered, organics or otherwise unsuitable soils should be completely removed from the below pavement base and utilities. It would not be unusual for the thickness, composition and organic contents of old fill to vary within the site area from that encountered at the individual boring locations. In addition, it is possible that organic native soils, uncontrolled fills or poorly compacted below grade utility trench backfill may be present at other locations within the roadway alignment that were not disclosed by the borings performed. Therefore, another advantage of total pavement reconstruction is that existing subgrade soils consisting of uncontrolled fill and buried organics can be undercut and replaced with clean engineered fill.

Uncontrolled fill materials and buried topsoil (where encountered) will have variable support characteristics when subjected to traffic loads, resulting in detrimental performance of pavements

placed on them. The depth of the fill is likely to vary throughout the site and other, possibly more extensive, deposits could be encountered during the site work activities. The exact depth of removal of these soils should be determined by a PSI representative during the stripping activities. The owner may elect to leave fill soils in place recognizing the risks associated in doing so.

Fill used to replace undercut areas or to achieve finished grades may be select cohesive soils or granular material such as sand, sand and gravel, or crushed stone. If cohesive soils are used as structural fill, they should be low plasticity soils (PI less than 25), and free of organics and rock fragments larger than 3 inches in diameter. Based on our review of the soil samples, the on-site native soils and old fill materials will be suitable for use as structural fill, provided they are properly moisture-conditioned and are placed, compacted, and tested in accordance with the recommendations of this report. Any buried topsoil encountered at the project site should be completely removed from the project site and wasted (or stockpiled in non-settlement sensitive areas of the project sites). Imported fill to develop the subgrade should consist of a granular material, such as MDOT Class II. Aggregate base fill materials should meet the requirements of MDOT 21AA. The native granular soils will likely be suitable for re-use as general engineered fill, however sieve analysis will be required to determine if it meets MDOT requirements.

Unstable areas should be undercut and replaced with engineered fill or stabilized using other suitable methods. Unsuitable areas must be removed and stabilized prior to backfilling the excavation. Undercutting and replacement with engineered fill or discing and recompacting may be suitable remedies. However, more extensive subgrade stabilization measures (such as the use of geofabric, geogrid, and/or 1 to 3-inch stone) cannot be ruled out.

After the subgrade has been stabilized, engineered fill (i.e., subbase and base materials) may then be placed. Proper control of the placement and compaction of new fills should be monitored by PSI. The new materials should be free of organic matter. Fill materials are to be placed in individual lifts not exceeding eight (8) inches in loose thickness. Each lift is to be compacted to a minimum of ninety-five (95) percent of the maximum dry density within three (3) percent of the optimum moisture content as determined in accordance with ASTM standard method D-1557 (Modified Proctor). A sufficient number of in-place density tests should be performed on each lift of the fill. The tests should be performed in accordance with appropriate ASTM procedures.

Considering that construction has occurred on and around the site, it is likely that areas of additional fill and/or buried topsoil deposits that were not identified by the boring exploration could be encountered at this site. Where any organic, soft or otherwise unsuitable soils are identified, they should be completely removed and replaced with engineered fill. Any non-organic fill soils that are encountered should be characterized with respect to the structural application that they will be subjected to before they are utilized as fill or allowed to remain in place. Additional soil borings and/or test pits may be required to evaluate fill soils.

Construction traffic should be restricted from the exposed subgrade to help reduce the potential for loosening of the subgrade soils, particularly where excess moisture is present from groundwater and/or precipitation. PSI recommends that the fill be strategically placed so that the construction equipment remains on newly placed fill soils and not on the exposed subgrade during fill placement.

Pavement Design Recommendations

Based on the scope of services provided in the original geotechnical exploration, California Bearing Ratio (CBR) analysis was not performed on the existing subgrade soils encountered in the borings. In lieu of CBR testing for determination of pavement subgrade support characteristics and in conjunction with field SPT values, other laboratory testing and our previous experience, PSI has estimated the following design values:

- Estimated Average Subgrade CBR = 3 to 5 percent
- Estimated Average Subgrade Modulus, M_R = 5,000 psi
- For poorly graded sand (SP) prepared as subgrade to receive new pavement, a CBR value of 6 and resilient modulus of 7,000 psi may be used for design and reconstruction of the pavement section.

The pavement design should be based on the AASHTO design methods for flexible pavement design and based on a design life of 20 years. Final pavement section thicknesses should be provided by the design civil engineers based on actual traffic volumes and axle loads, laboratory determined California Bearing Ratio tests, and the owner's design life requirements. Periodic maintenance should be expected and performed on all pavements during the service life. All pavement materials and construction procedures should conform to (Michigan Department of Transportation) MDOT or appropriate local requirements.

Structural Overlay

Where asphalt and concrete pavements are highly distressed and in poor conditions, the subbase should be treated as non-contributory to the soil structural number. In these areas it would be advantageous to selectively remove pavements and stabilize the subgrade. It should be expected that distresses/cracks in the pavement left in place will reflect on to the new asphalt layer. This can occur in a relatively short period of time (less than 1 year to 5 years typically) and the cracks should be sealed periodically. It should be considered (as a minimum) where indications of subgrade failure have occurred, to fully remove the asphalt and concrete pavement and stabilize the subgrade prior to overlay.

Complete Reconstruction

Where complete reconstruction is performed, pavements may be placed after the subgrade has been properly prepared as previously outlined. Unstable areas should be treated as outlined therein. Appropriate drainage, including finger drains around catch basins and perimeter drainage must be incorporated, particularly where granular subgrades containing an appreciable amount of fines are present. It must be emphasized that insufficient drainage can result in significant heaving of the pavement due to the freezing of entrapped water during the freeze-thaw cycle; this is particularly important where clay or relatively impermeable subgrade soils are present.

Regardless of rehabilitation method, the pavement surface should be adequately sloped to promote good surface drainage and to reduce water infiltration into the base course. Water should not be allowed to pond behind curbs and saturate the pavement aggregate base material. In down grade areas, the aggregate base stone should extend through the slope to allow any water entering the base stone a path to exit.

Vehicle traffic or the loading of a partially constructed pavement section will likely cause premature pavement failure. All vehicle traffic or pavement loading should be restricted until the pavement section has been completely constructed or the partial pavement section must be designed for this purpose, particularly if construction traffic will use the partial pavement.

Drainage and Groundwater Considerations

Free groundwater was encountered during drilling operations at soil boring location SB-04 at a depth of 7.5 feet below the existing pavement surface. Significant groundwater infiltration may not be generally anticipated during site grading or in shallow excavations on this site. However, since the subgrade materials encountered in the soil borings on this site generally tend to loosen, soften or become unstable when exposed to free water, every effort should be made to keep any excavations dry where water is encountered, or precipitation or snowmelt occurs during construction.

It is recommended that contractors be responsible for appropriate dewatering procedures prior to construction. Crushed stone in combination with a geogrid or geofabric may be necessary to stabilize subgrade soils which become wet or unstable during construction. Where granular soils are placed in excavations occurring within a cohesive or relatively impermeable soil, drainage outlet must be provided to prevent the accumulation of water within the granular soils.

Excavation Safety Considerations

Care must be taken so that all excavations made for the subgrade during pavement and fill removal are properly backfilled with suitable material compacted in accordance with the procedures outlined in this report. Before the backfill is placed, all water and loose debris should be removed from these excavations.

Materials removed from the excavation should not be stockpiled immediately adjacent to the excavation, inasmuch as this load may cause a sudden collapse of the embankment. The contractor should establish a minimum lateral distance from the crest of the slope for all vehicles and spoil piles. Likewise, the contractor should establish protective measures for exposed slope faces and preventative measures for the buildup of moisture in the excavation sidewalls, which can cause slope instability. A slope stability analysis should be performed to determine the factor of safety for cut and fill depths if the depth of the excavations warrant. If temporary shoring of excavation sidewalls is performed, a qualified registered professional engineer must design it.

In Federal Register, Volume 54. No. 209 (October 1989), the United States Department of Labor, Occupational Safety and Health Administration (OSHA) amended its "Construction Standards for Excavations, 29 CFR, part 1926, subpart P". This document was issued to better ensure the safety of workmen entering trenches or excavations. It is mandated by this federal regulation that all excavations, whether they be utility trenches or footing excavations, be constructed in accordance with the new OSHA guidelines. It is PSI's understanding that these regulations are being strictly enforced and if they are not closely followed, the owner and the contractor could be liable for substantial penalties.

The contractor is solely responsible for designing and constructing stable, temporary excavations and should shore, slope, or bench the sides of the excavations as required to maintain stability of both the excavation sides and bottom. The contractor's responsible person, as defined in 29 CFR Part 1926, should evaluate the soil exposed in the excavations as part of the contractor's safety procedures. In no case should slope height, slope inclination, or excavation depth, including utility trench excavation depth, exceed those specified in local, state, and federal safety regulations.

PSI is providing this information solely as a service to ROWE Professional Services Company. PSI is not assuming responsibility for construction site safety or the contractor's activities. Such responsibility is not being implied and should not be inferred.

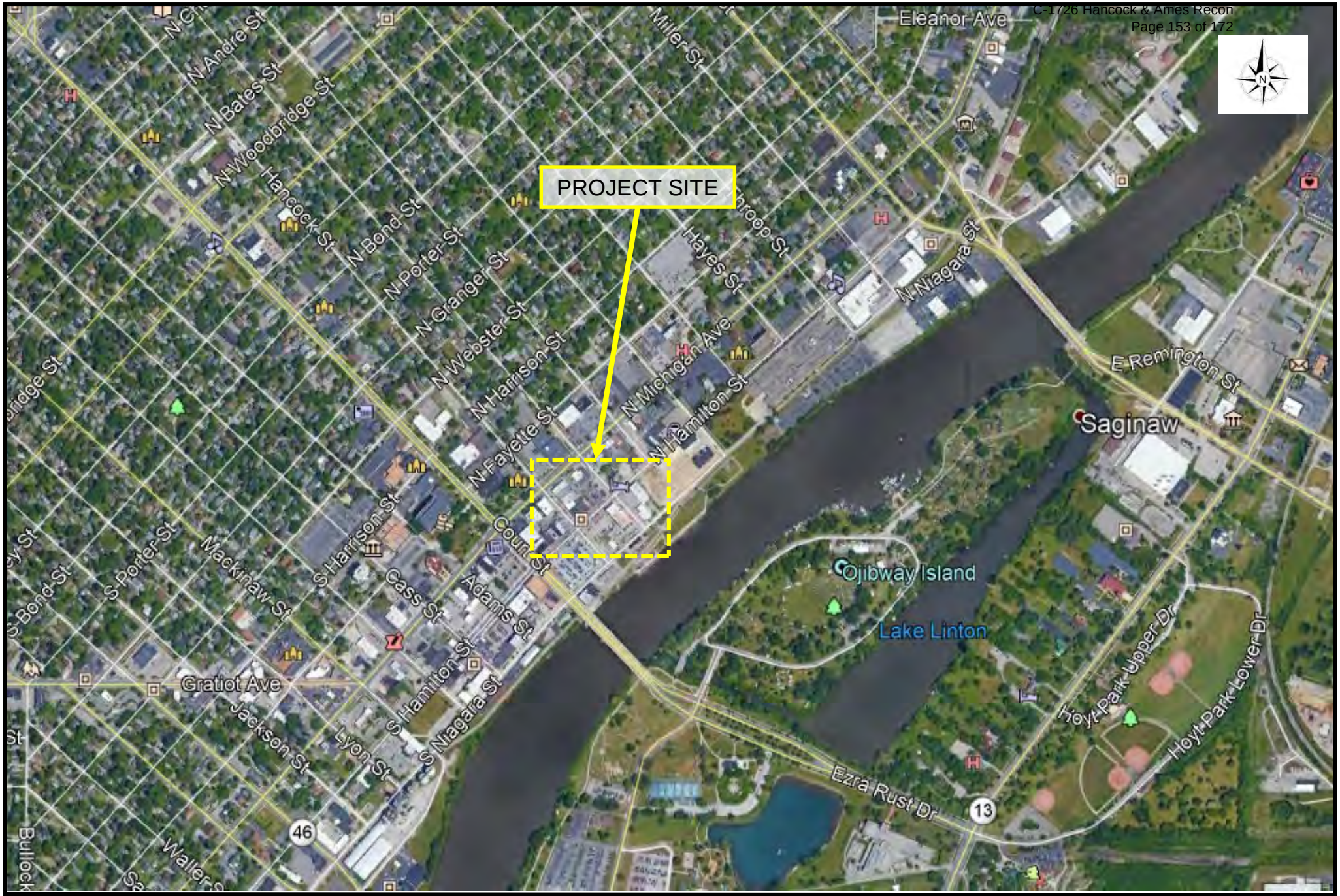
REPORT LIMITATIONS

The recommendations submitted for the proposed improvements to Ames Street, from S. Hamilton Street to N. Niagara Street, and Hancock Street, from N. Michigan Avenue to N. Niagara Street, in Saginaw, Michigan are based on the available soil information and the design details furnished by ROWE Professional Services Company for the proposed project. If there are any revisions to the plans for this project or if deviations from the subsurface conditions noted in this report are encountered during construction, PSI must be notified immediately to determine if changes in the recommendations are required. If PSI is not retained to perform these functions, PSI cannot be responsible for the impact of those conditions on the performance of the project.

The geotechnical engineer warrants that the findings, recommendations, specifications, or professional advice contained herein have been made in accordance with generally accepted professional geotechnical engineering practices in the local area. No other warranties are implied or expressed.

After the plans and specifications are complete, PSI should be retained to review the final design plans and specifications. This review is required to verify that the engineering recommendations are appropriate for the final configuration, and that they have been properly incorporated into the design documents. This report has been prepared for the exclusive use of ROWE Professional Services Company for specific application to the proposed improvements to Ames Street, from S. Hamilton Street to N. Niagara Street, and Hancock Street, from N. Michigan Avenue to N. Niagara Street, in Saginaw, Michigan.

APPENDIX



intertek psi

SITE LOCATION DIAGRAM
Proposed Roadway Improvements
Hancock Street and Ames Street
Saginaw, Michigan

FIGURE NO. 1
PSI Project No. 0406568
Prepared By: T.K
Prepared On: 6/25/2020

intertek psi

BORING LOCATION DIAGRAM

Proposed Roadway Improvements

Ames Street from Hamilton Street to Niagara Street

Saginaw, Michigan

FIGURE NO. 2

PSI Project No. 0406568

Prepared By: T.K

Prepared On: 6/25/2020

intertek psi

BORING LOCATION DIAGRAM

Proposed Roadway Improvements

Hancock Street from Michigan Avenue to Niagara Street

Saginaw, Michigan

FIGURE NO. 3

PSI Project No. 0406568

Prepared By: T.K

Prepared On: 6/25/2020

BORING SB-01

DATE STARTED:	7/21/20	**DRILL COMPANY:**	Geotill Engineering
DATE COMPLETED:	7/21/20	**DRILLER:** J. Sumber	**LOGGED BY:** J. Micah
COMPLETION DEPTH	10.0 ft	**DRILL RIG:**	D-50
BENCHMARK:	N/A	**DRILLING METHOD:**	3 1/4" HSA
ELEVATION:	592 ft	**SAMPLING METHOD:**	SS
LATITUDE:		**HAMMER TYPE:**	Automatic
LONGITUDE:		**EFFICIENCY**	N/A
STATION: N/A	**OFFSET:** N/A	**REVIEWED BY:**	T. Khalaff / B.Traore

REMARKS: None

Water		
	While Drilling	N/A
	Upon Completion	N/A
	Cave Depth	3 feet

BORING LOCATION:
Ames Street

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %	STANDARD PENETRATION TEST DATA N in blows/ft ◎ × Moisture ◪ PL ✚ LL (0, 25, 50) STRENGTH, tsf ▲ Qu ✳ Qp (0, 2.0, 4.0)	Additional Remarks
	0					2" ASPHALT 4" BRICKS Dark brown and gray CLAYEY SAND with Silt, trace Gravel, moist, (FILL)					
590				1	10			2-2-2 N=4	15		
						Dark brown fine to coarse SAND with Silt, trace Gravel, trace Clay, moist, (FILL)					
	5			2	10			4-5-Ref	5	>>◎	
585						Augur refusal approximately 4.5 feet below existing pavement surface					
	10										

intertek psi
Professional Service Industries, Inc.
3120 Sovereign Drive, Suite C
Lansing, MI 48911
Telephone: (517) 394-5700

PROJECT NO.: 0406-568
PROJECT: Proposed Roadway Improvements
LOCATION: Ames Street and Hancock Street
Saginaw, Michigan

The stratification lines represent approximate boundaries. The transition may be gradual.

Sheet 1 of 1

BORING SB-02

DATE STARTED: 7/21/20
DATE COMPLETED: 7/21/20
COMPLETION DEPTH 10.0 ft
BENCHMARK: N/A
ELEVATION: 594 ft
LATITUDE:
LONGITUDE:
STATION: N/A **OFFSET:** N/A
REMARKS: None

DRILL COMPANY: Geotill Engineering
DRILLER: J. Sumber **LOGGED BY:** J. Micah
DRILL RIG: D-50
DRILLING METHOD: 3 1/4" HSA
SAMPLING METHOD: SS
HAMMER TYPE: Automatic
EFFICIENCY N/A
REVIEWED BY: T. Khalaff / B. Traore

Water
While Drilling N/A
Upon Completion N/A
Cave Depth 4.5 feet

BORING LOCATION:
Ames Street

Elevation (feet)	Depth, (feet)	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %
	0			2.5" ASPHALT 3" BRICKS Dark brown fine to coarse SAND with Silt, trace Gravel, trace Clay, moist, (FILL)			
		1	14			5-5-7 N=12	6
590				Brown fine SILTY SAND, trace Clay, wet, loose	SM		
	5	2	16			7-6-4 N=10	20
				Brown SILTY CLAY with Sand, trace Gravel, moist, very stiff to hard	CL		
		3	18			4-5-7 N=12	12
585		4	18			3-6-8 N=14	10
	10			Boring terminated approximately 10 feet below existing pavement surface			

STANDARD PENETRATION TEST DATA
N in blows/ft ◎
Moisture ◪ PL ✚ LL
0 25 50
STRENGTH, tsf
▲ Qu ✳ Qp
0 2.0 4.0

Additional Remarks

intertek psi
Professional Service Industries, Inc.
3120 Sovereign Drive, Suite C
Lansing, MI 48911
Telephone: (517) 394-5700

PROJECT NO.: 0406-568
PROJECT: Proposed Roadway Improvements
LOCATION: Ames Street and Hancock Street
Saginaw, Michigan

The stratification lines represent approximate boundaries. The transition may be gradual.

Sheet 1 of 1

BORING SB-03

DATE STARTED:	7/21/20	**DRILL COMPANY:**	Geotill Engineering
DATE COMPLETED:	7/21/20	**DRILLER:** J. Sumber	**LOGGED BY:** J. Micah
COMPLETION DEPTH	10.0 ft	**DRILL RIG:**	D-50
BENCHMARK:	N/A	**DRILLING METHOD:**	3 1/4" HSA
ELEVATION:	596 ft	**SAMPLING METHOD:**	SS
LATITUDE:		**HAMMER TYPE:**	Automatic
LONGITUDE:		**EFFICIENCY**	N/A
STATION: N/A	**OFFSET:** N/A	**REVIEWED BY:**	T. Khalaff / B.Traore

REMARKS: None

Water		
	While Drilling	N/A
	Upon Completion	N/A
	Cave Depth	3 feet

BORING LOCATION:
Ames Street

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %	STANDARD PENETRATION TEST DATA N in blows/ft ◎ × Moisture ◪ PL ✚ LL (0, 25, 50) STRENGTH, tsf ▲ Qu ✳ Qp (0, 2.0, 4.0)	Additional Remarks
	0					3" ASPHALT 3" BRICKS					
595				1	14	Dark brown fine to coarse SAND with Silt, trace Gravel, trace Clay, moist, (FILL)		4-5-5 N=10	10		
				2	16			3-5-4 N=9			
	5					Augur refusal approximately 5 feet below existing pavement surface			4		
590											
	10										

intertek psi
Professional Service Industries, Inc.
3120 Sovereign Drive, Suite C
Lansing, MI 48911
Telephone: (517) 394-5700

PROJECT NO.: 0406-568
PROJECT: Proposed Roadway Improvements
LOCATION: Ames Street and Hancock Street
Saginaw, Michigan

The stratification lines represent approximate boundaries. The transition may be gradual.

Sheet 1 of 1

BORING SB-04

DATE STARTED: 7/21/20
DATE COMPLETED: 7/21/20
COMPLETION DEPTH 10.0 ft
BENCHMARK: N/A
ELEVATION: 592 ft
LATITUDE:
LONGITUDE:
STATION: N/A **OFFSET:** N/A
REMARKS: None

DRILL COMPANY: Geotill Engineering
DRILLER: J. Sumber **LOGGED BY:** J. Micah
DRILL RIG: D-50
DRILLING METHOD: 3 1/4" HSA
SAMPLING METHOD: SS
HAMMER TYPE: Automatic
EFFICIENCY N/A
REVIEWED BY: T. Khalaff / B. Traore

Water
While Drilling 7.5 feet
Upon Completion N/A
Cave Depth 5 feet

BORING LOCATION:
Hancock Street

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %	STANDARD PENETRATION TEST DATA N in blows/ft ◎ × Moisture ◪ PL ✚ LL (0 25 50) STRENGTH, tsf ▲ Qu ✳ Qp (0 2.0 4.0)	Additional Remarks
	0					10" ASPHALT					
						Dark brown fine to coarse SAND with Silt, trace Gravel, trace Clay, moist, (FILL)					
590				1	16			10-13-12 N=25	4		
						Brown fine to medium SAND with Silt, trace Clay, trace Gravel, moist, medium dense					
				2	18		SM	6-9-10 N=19	8		
	5										
						Brown SANDY CLAY with Silt, trace Gravel, moist to wet, stiff to firm					
585				3	16			3-4-5 N=9	15		
							CL				
				4	16			3-3-3 N=6	15		
	10					Boring terminated approximately 10 feet below existing pavement surface					

Professional Service Industries, Inc.
3120 Sovereign Drive, Suite C
Lansing, MI 48911
Telephone: (517) 394-5700

PROJECT NO.: 0406-568
PROJECT: Proposed Roadway Improvements
LOCATION: Ames Street and Hancock Street
Saginaw, Michigan

The stratification lines represent approximate boundaries. The transition may be gradual.

Sheet 1 of 1

BORING SB-05

DATE STARTED:	7/21/20	**DRILL COMPANY:**	Geotill Engineering
DATE COMPLETED:	7/21/20	**DRILLER:** J. Sumber	**LOGGED BY:** J. Micah
COMPLETION DEPTH	10.0 ft	**DRILL RIG:**	D-50
BENCHMARK:	N/A	**DRILLING METHOD:**	3 1/4" HSA
ELEVATION:	604 ft	**SAMPLING METHOD:**	SS
LATITUDE:		**HAMMER TYPE:**	Automatic
LONGITUDE:		**EFFICIENCY**	N/A
STATION: N/A	**OFFSET:** N/A	**REVIEWED BY:**	T. Khalaff / B.Traore

REMARKS: None

Water		
	While Drilling	N/A
	Upon Completion	N/A
	Cave Depth	5.5 feet

BORING LOCATION: Hancock Street

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %	STANDARD PENETRATION TEST DATA N in blows/ft ◎ × Moisture ◪ PL ✚ LL (0 25 50) STRENGTH, tsf ▲ Qu ✳ Qp (0 2.0 4.0)	Additional Remarks
	0					5" ASPHALT					
						7" CONCRETE					
				1	12	Dark brown SANDY CLAY with Silt, trace Gravel, moist, (FILL)		3-2-3 N=5	20		
600				2	14	Brown SANDY CLAY with Silt, trace Gravel, wet, very stiff to hard		3-2-2 N=4	20		
	5			3	16		CL	2-2-2 N=4	22		
595				4	18			2-2-3 N=5	16		
	10					Boring terminated approximately 10 feet below existing pavement surface					

Professional Service Industries, Inc.
3120 Sovereign Drive, Suite C
Lansing, MI 48911
Telephone: (517) 394-5700

PROJECT NO.: 0406-568
PROJECT: Proposed Roadway Improvements
LOCATION: Ames Street and Hancock Street
Saginaw, Michigan

The stratification lines represent approximate boundaries. The transition may be gradual.

Sheet 1 of 1

BORING SB-06

DATE STARTED: 7/21/20
DATE COMPLETED: 7/21/20
COMPLETION DEPTH 10.0 ft
BENCHMARK: N/A
ELEVATION: 606 ft
LATITUDE:
LONGITUDE:
STATION: N/A **OFFSET:** N/A
REMARKS: None

DRILL COMPANY: Geotill Engineering
DRILLER: J. Sumber **LOGGED BY:** J. Micah
DRILL RIG: D-50
DRILLING METHOD: 3 1/4" HSA
SAMPLING METHOD: SS
HAMMER TYPE: Automatic
EFFICIENCY N/A
REVIEWED BY: T. Khalaff / B. Traore

Water
While Drilling N/A
Upon Completion N/A
Cave Depth 5.5 feet

BORING LOCATION:
Hancock Street

Elevation (feet)	Depth, (feet)	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %
	0			3.5" ASPHALT 4" CONCRETE			
605				Dark brown SANDY CLAY with Silt, trace Gravel, moist, (FILL)			
		1	16	Brown SANDY CLAY with Silt, trace Gravel, moist, hard		3-3-5 N=8	14
		2	18			5-6-7 N=13	11
	5				CL		
600		3	16			7-11-12 N=23	11
		4	16			5-9-11 N=20	12
	10			Boring terminated approximately 10 feet below existing pavement surface			

STANDARD PENETRATION TEST DATA
N in blows/ft ◎
Moisture × PL ◪ LL ✚
0 25 50
STRENGTH, tsf
Qu ▲ Qp ✳
0 2.0 4.0

Additional Remarks

intertek psi
Professional Service Industries, Inc.
3120 Sovereign Drive, Suite C
Lansing, MI 48911
Telephone: (517) 394-5700

PROJECT NO.: 0406-568
PROJECT: Proposed Roadway Improvements
LOCATION: Ames Street and Hancock Street
Saginaw, Michigan

The stratification lines represent approximate boundaries. The transition may be gradual.

Sheet 1 of 1

GENERAL NOTES

SAMPLE IDENTIFICATION

The Unified Soil Classification System (USCS), AASHTO 1988 and ASTM designations D2487 and D-2488 are used to identify the encountered materials unless otherwise noted. Coarse-grained soils are defined as having more than 50% of their dry weight retained on a #200 sieve (0.075mm); they are described as: boulders, cobbles, gravel or sand. Fine-grained soils have less than 50% of their dry weight retained on a #200 sieve; they are defined as silts or clay depending on their Atterberg Limit attributes. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size.

DRILLING AND SAMPLING SYMBOLS

SFA: Solid Flight Auger - typically 4" diameter flights, except where noted.
HSA: Hollow Stem Auger - typically 3¼" or 4¼ I.D. openings, except where noted.
M.R.: Mud Rotary - Uses a rotary head with Bentonite or Polymer Slurry
R.C.: Diamond Bit Core Sampler
H.A.: Hand Auger
P.A.: Power Auger - Handheld motorized auger

SS: Split-Spoon - 1 3/8" I.D., 2" O.D., except where noted.
ST: Shelby Tube - 3" O.D., except where noted.
RC: Rock Core
TC: Texas Cone
BS: Bulk Sample
PM: Pressuremeter
CPT-U: Cone Penetrometer Testing with Pore-Pressure Readings

SOIL PROPERTY SYMBOLS

N: Standard "N" penetration: Blows per foot of a 140 pound hammer falling 30 inches on a 2-inch O.D. Split-Spoon.
N_{60}: A "N" penetration value corrected to an equivalent 60% hammer energy transfer efficiency (ETR)
Q_u: Unconfined compressive strength, TSF
Q_p: Pocket penetrometer value, unconfined compressive strength, TSF
w%: Moisture/water content, %
LL: Liquid Limit, %
PL: Plastic Limit, %
PI: Plasticity Index = (LL-PL),%
DD: Dry unit weight, pcf
▼,▽,▼ Apparent groundwater level at time noted

RELATIVE DENSITY OF COARSE-GRAINED SOILS

Relative Density	N - Blows/foot
Very Loose	0 - 4
Loose	4 - 10
Medium Dense	10 - 30
Dense	30 - 50
Very Dense	50 - 80
Extremely Dense	80+

ANGULARITY OF COARSE-GRAINED PARTICLES

Description	Criteria
Angular:	Particles have sharp edges and relatively plane sides with unpolished surfaces
Subangular:	Particles are similar to angular description, but have rounded edges
Subrounded:	Particles have nearly plane sides, but have well-rounded corners and edges
Rounded:	Particles have smoothly curved sides and no edges

GRAIN-SIZE TERMINOLOGY

Component	Size Range
Boulders:	Over 300 mm (>12 in.)
Cobbles:	75 mm to 300 mm (3 in. to 12 in.)
Coarse-Grained Gravel:	19 mm to 75 mm (¾ in. to 3 in.)
Fine-Grained Gravel:	4.75 mm to 19 mm (No.4 to ¾ in.)
Coarse-Grained Sand:	2 mm to 4.75 mm (No.10 to No.4)
Medium-Grained Sand:	0.42 mm to 2 mm (No.40 to No.10)
Fine-Grained Sand:	0.075 mm to 0.42 mm (No. 200 to No.40)
Silt:	0.005 mm to 0.075 mm
Clay:	<0.005 mm

PARTICLE SHAPE

Description	Criteria
Flat:	Particles with width/thickness ratio > 3
Elongated:	Particles with length/width ratio > 3
Flat & Elongated:	Particles meet criteria for both flat and elongated

RELATIVE PROPORTIONS OF FINES

Descriptive Term	% Dry Weight
Trace:	< 5%
With:	5% to 12%
Modifier:	>12%

GENERAL NOTES
(Continued)

CONSISTENCY OF FINE-GRAINED SOILS

Q_U - TSF	N - Blows/foot	Consistency
0 - 0.25	0 - 2	Very Soft
0.25 - 0.50	2 - 4	Soft
0.50 - 1.00	4 - 8	Firm (Medium Stiff)
1.00 - 2.00	8 - 15	Stiff
2.00 - 4.00	15 - 30	Very Stiff
4.00 - 8.00	30 - 50	Hard
8.00+	50+	Very Hard

MOISTURE CONDITION DESCRIPTION

Description	Criteria
Dry:	Absence of moisture, dusty, dry to the touch
Moist:	Damp but no visible water
Wet:	Visible free water, usually soil is below water table

RELATIVE PROPORTIONS OF SAND AND GRAVEL

Descriptive Term	% Dry Weight
Trace:	< 15%
With:	15% to 30%
Modifier:	>30%

STRUCTURE DESCRIPTION

Description	Criteria
Stratified:	Alternating layers of varying material or color with layers at least ¼-inch (6 mm) thick
Laminated:	Alternating layers of varying material or color with layers less than ¼-inch (6 mm) thick
Fissured:	Breaks along definite planes of fracture with little resistance to fracturing
Slickensided:	Fracture planes appear polished or glossy, sometimes striated
Blocky:	Cohesive soil that can be broken down into small angular lumps which resist further breakdown
Lensed:	Inclusion of small pockets of different soils
Layer:	Inclusion greater than 3 inches thick (75 mm)
Seam:	Inclusion 1/8-inch to 3 inches (3 to 75 mm) thick extending through the sample
Parting:	Inclusion less than 1/8-inch (3 mm) thick

SCALE OF RELATIVE ROCK HARDNESS

Q_U - TSF	Consistency
2.5 - 10	Extremely Soft
10 - 50	Very Soft
50 - 250	Soft
250 - 525	Medium Hard
525 - 1,050	Moderately Hard
1,050 - 2,600	Hard
>2,600	Very Hard

ROCK BEDDING THICKNESSES

Description	Criteria
Very Thick Bedded	Greater than 3-foot (>1.0 m)
Thick Bedded	1-foot to 3-foot (0.3 m to 1.0 m)
Medium Bedded	4-inch to 1-foot (0.1 m to 0.3 m)
Thin Bedded	1¼-inch to 4-inch (30 mm to 100 mm)
Very Thin Bedded	½-inch to 1¼-inch (10 mm to 30 mm)
Thickly Laminated	1/8-inch to ½-inch (3 mm to 10 mm)
Thinly Laminated	1/8-inch or less "paper thin" (<3 mm)

ROCK VOIDS

Voids	Void Diameter
Pit	<6 mm (<0.25 in)
Vug	6 mm to 50 mm (0.25 in to 2 in)
Cavity	50 mm to 600 mm (2 in to 24 in)
Cave	>600 mm (>24 in)

GRAIN-SIZED TERMINOLOGY
(Typically Sedimentary Rock)

Component	Size Range
Very Coarse Grained	>4.76 mm
Coarse Grained	2.0 mm - 4.76 mm
Medium Grained	0.42 mm - 2.0 mm
Fine Grained	0.075 mm - 0.42 mm
Very Fine Grained	<0.075 mm

ROCK QUALITY DESCRIPTION

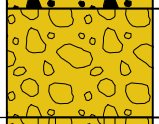
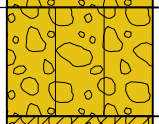
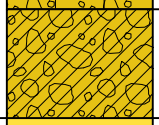
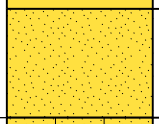
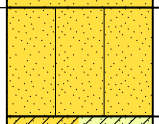
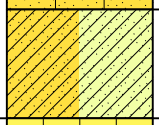
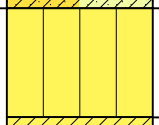
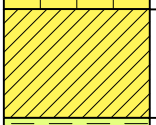
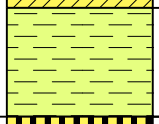
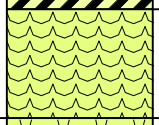
Rock Mass Description	RQD Value
Excellent	90 -100
Good	75 - 90
Fair	50 - 75
Poor	25 -50
Very Poor	Less than 25

DEGREE OF WEATHERING

Slightly Weathered:	Rock generally fresh, joints stained and discoloration extends into rock up to 25 mm (1 in), open joints may contain clay, core rings under hammer impact.
Weathered:	Rock mass is decomposed 50% or less, significant portions of the rock show discoloration and weathering effects, cores cannot be broken by hand or scraped by knife.
Highly Weathered:	Rock mass is more than 50% decomposed, complete discoloration of rock fabric, core may be extremely broken and gives clunk sound when struck by hammer, may be shaved with a knife.

SOIL CLASSIFICATION CHART

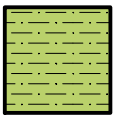
NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

MAJOR DIVISIONS			SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		(LITTLE OR NO FINES)		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	GRAVELS WITH FINES		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
		(APPRECIABLE AMOUNT OF FINES)		GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	SAND AND SANDY SOILS	CLEAN SANDS		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		(LITTLE OR NO FINES)		SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
	MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	SANDS WITH FINES		SM	SILTY SANDS, SAND - SILT MIXTURES
		(APPRECIABLE AMOUNT OF FINES)		SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

Graphic Symbols for Materials and Rock Deposits

CONCRETE
Portland Cement Concrete

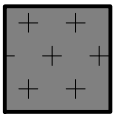
BITUMINOUS CONCRETE



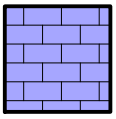
CLAYSTONE

COAL
Coal, Anthracite Coal

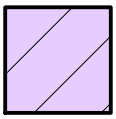
CONGLOMERATE/BRECCIA
Conglomerate, Breccia



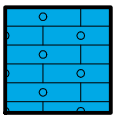
IGNEOUS ROCK
Anorthsite, Basalt, Metabasalt, Diabase (Gabbro), Gabbro, Granite/Granodionite, Homfels, Pegmatite, Rhyolite/Metarhyolite



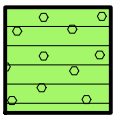
LIMESTONE
Limestone, Dolomite



METAMORPHIC ROCK
Amphibolite, Gneiss, Marble, Phyllite, Quartzite, Schist, Serpentinite, Slate

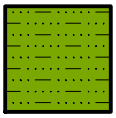


CHERT

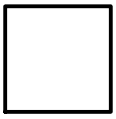


SANDSTONE
Sandstone, Orthoquarzite (Sandstone)

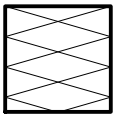
SHALE



SILTSTONE



NO RECOVERY



VOID

Important Information About Your

Geotechnical Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

The following information is provided to help you manage your risks.

Geotechnical Services Are Performed for Specific Purposes, Persons, and Projects

Geotechnical engineers structure their services to meet the specific needs of their clients. A geotechnical engineering study conducted for a civil engineer may not fulfill the needs of a construction contractor or even another civil engineer. Because each geotechnical engineering study is unique, each geotechnical engineering report is unique, prepared *solely* for the client. No one except you should rely on your geotechnical engineering report without first conferring with the geotechnical engineer who prepared it. *And no one — not even you —* should apply the report for any purpose or project except the one originally contemplated.

Read the Full Report

Serious problems have occurred because those relying on a geotechnical engineering report did not read it all. Do not rely on an executive summary. Do not read selected elements only.

A Geotechnical Engineering Report Is Based on A Unique Set of Project-Specific Factors

Geotechnical engineers consider a number of unique, project-specific factors when establishing the scope of a study. Typical factors include: the client's goals, objectives, and risk management preferences; the general nature of the structure involved, its size, and configuration; the location of the structure on the site; and other planned or existing site improvements, such as access roads, parking lots, and underground utilities. Unless the geotechnical engineer who conducted the study specifically indicates otherwise, do not rely on a geotechnical engineering report that was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

Typical changes that can erode the reliability of an existing geotechnical engineering report include those that affect:

- the function of the proposed structure, as when it's changed from a parking garage to an office building, or from a light industrial plant to a refrigerated warehouse,
- elevation, configuration, location, orientation, or weight of the proposed structure,
- composition of the design team, or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project changes—even minor ones—and request an assessment of their impact. *Geotechnical engineers cannot accept responsibility or liability for problems that occur because their reports do not consider developments of which they were not informed.*

Subsurface Conditions Can Change

A geotechnical engineering report is based on conditions that existed at the time the study was performed. *Do not rely on a geotechnical engineering report* whose adequacy may have been affected by: the passage of time; by man-made events, such as construction on or adjacent to the site; or by natural events, such as floods, earthquakes, or groundwater fluctuations. *Always* contact the geotechnical engineer before applying the report to determine if it is still reliable. A minor amount of additional testing or analysis could prevent major problems.

Most Geotechnical Findings Are Professional Opinions

Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. Geotechnical engineers review field and laboratory data and then apply their professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ—sometimes significantly—from those indicated in your report. Retaining the geotechnical engineer who developed your report to provide construction observation is the most effective method of managing the risks associated with unanticipated conditions.

A Report's Recommendations Are *Not* Final

Do not overrely on the construction recommendations included in your report. *Those recommendations are not final,* because geotechnical engineers develop them principally from judgment and opinion. Geotechnical engineers can finalize their recommendations only by observing actual

subsurface conditions revealed during construction. *The geotechnical engineer who developed your report cannot assume responsibility or liability for the report's recommendations if that engineer does not perform construction observation.*

A Geotechnical Engineering Report Is Subject to Misinterpretation

Other design team members' misinterpretation of geotechnical engineering reports has resulted in costly problems. Lower that risk by having your geotechnical engineer confer with appropriate members of the design team after submitting the report. Also retain your geotechnical engineer to review pertinent elements of the design team's plans and specifications. Contractors can also misinterpret a geotechnical engineering report. Reduce that risk by having your geotechnical engineer participate in prebid and preconstruction conferences, and by providing construction observation.

Do Not Redraw the Engineer's Logs

Geotechnical engineers prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in a geotechnical engineering report should *never* be redrawn for inclusion in architectural or other design drawings. Only photographic or electronic reproduction is acceptable, *but recognize that separating logs from the report can elevate risk.*

Give Contractors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can make contractors liable for unanticipated subsurface conditions by limiting what they provide for bid preparation. To help prevent costly problems, give contractors the complete geotechnical engineering report, *but* preface it with a clearly written letter of transmittal. In that letter, advise contractors that the report was not prepared for purposes of bid development and that the report's accuracy is limited; encourage them to confer with the geotechnical engineer who prepared the report (a modest fee may be required) and/or to conduct additional study to obtain the specific types of information they need or prefer. A prebid conference can also be valuable. *Be sure contractors have sufficient time* to perform additional study. Only then might you be in a position to give contractors the best information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions.

Read Responsibility Provisions Closely

Some clients, design professionals, and contractors do not recognize that geotechnical engineering is far less exact than other engineering disciplines. This lack of understanding has created unrealistic expectations that have led to disappointments, claims, and disputes. To help reduce the risk of such outcomes, geotechnical engineers commonly include a variety of explanatory provisions in their reports. Sometimes labeled "limitations" many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

Geoenvironmental Concerns Are Not Covered

The equipment, techniques, and personnel used to perform a *geoenvironmental* study differ significantly from those used to perform a *geotechnical* study. For that reason, a geotechnical engineering report does not usually relate any geoenvironmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated environmental problems have led to numerous project failures.* If you have not yet obtained your own geoenvironmental information, ask your geotechnical consultant for risk management guidance. *Do not rely on an environmental report prepared for someone else.*

Obtain Professional Assistance To Deal with Mold

Diverse strategies can be applied during building design, construction, operation, and maintenance to prevent significant amounts of mold from growing on indoor surfaces. To be effective, all such strategies should be devised for the *express purpose* of mold prevention, integrated into a comprehensive plan, and executed with diligent oversight by a professional mold prevention consultant. Because just a small amount of water or moisture can lead to the development of severe mold infestations, a number of mold prevention strategies focus on keeping building surfaces dry. While groundwater, water infiltration, and similar issues may have been addressed as part of the geotechnical engineering study whose findings are conveyed in this report, the geotechnical engineer in charge of this project is not a mold prevention consultant; ***none of the services performed in connection with the geotechnical engineer's study were designed or conducted for the purpose of mold prevention. Proper implementation of the recommendations conveyed in this report will not of itself be sufficient to prevent mold from growing in or on the structure involved.***

Rely, on Your ASFE-Member Geotechncial Engineer for Additional Assistance

Membership in ASFE/The Best People on Earth exposes geotechnical engineers to a wide array of risk management techniques that can be of genuine benefit for everyone involved with a construction project. Confer with you ASFE-member geotechnical engineer for more information.

ASFE
The Best People on Earth

8811 Colesville Road/Suite G106, Silver Spring, MD 20910
Telephone: 301/565-2733 Facsimile: 301/589-2017
e-mail: info@asfe.org www.asfe.org

Copyright 2004 by ASFE, Inc. Duplication, reproduction, or copying of this document, in whole or in part, by any means whatsoever, is strictly prohibited, except with ASFE's specific written permission. Excerpting, quoting, or otherwise extracting wording from this document is permitted only with the express written permission of ASFE, and only for purposes of scholarly research or book review. Only members of ASFE may use this document as a complement to or as an element of a geotechnical engineering report. Any other firm, individual, or other entity that so uses this document without being an ASFE member could be committing negligent or intentional (fraudulent) misrepresentation.

IIGER08041.0M

Intertek

For more than 135 years, companies around the world have depended on Intertek to help ensure the quality and safety of their products, processes and systems.

We go beyond testing, inspecting and certifying products; we are a Total Quality Assurance provider to industries worldwide. Through our global network of state-of-the-art facilities and industry-leading technical expertise we provide innovative and bespoke Assurance, Testing, Inspection and Certification services to customers. We provide a systemic approach to supporting our customers' Quality Assurance efforts in each of the areas of their operations including R&D, raw materials sourcing, components suppliers, manufacturing, transportation, distribution and retail channels, and consumer management.

Intertek is an industry leader with more than 42,000 employees in 1,000 locations in over 100 countries. We deliver Quality Assurance expertise 24 hours a day, 7 days a week with our industry-winning processes and customer-centric culture. Whether your business is local or global, we can help to ensure that your products meet quality, health, environmental, safety, and social accountability standards for virtually any market around the world. We hold extensive global accreditations, recognitions, and agreements, and our knowledge of and expertise in overcoming regulatory, market, and supply chain hurdles is unrivaled.

Our Mission

To exceed our customers' expectations with innovative and bespoke Assurance, Testing, Inspection and Certification services for their operations and supply chain.
Globally. 24/7.

Intertek can sharpen your competitive edge

- With reliable testing and certification for faster regulatory approval
- Through rapid, efficient entry to virtually any market in the world
- With Total Quality Assurance across your supply chain
- Through innovative leadership in meeting social accountability standards
- By reducing cost and minimizing health, safety, and security risks
- By becoming a TRUSTED BRAND

PSI

Professional Service Industries, Inc. (PSI), an Intertek company, nationally recognized consulting engineering and testing firm providing integrated services in several disciplines, including environmental consulting, building envelope consulting and testing, geotechnical engineering, construction materials testing and engineering, asbestos management and facilities engineering and consulting. We are recognized as one of the largest engineering design consulting companies in the US. We have been providing engineering consulting services to Fortune 500 clients and governmental agencies for over 100 years. However, our proudest accomplishment is the large number of clients that we have serviced for many years that keep coming back because of our responsiveness, commitment to listening to our clients, and consistent quality of service.

PSI has been providing business and industry with objective, accurate and useful information for more than 100 years. Today, we employ approximately 2,300 skilled personnel in 100 offices nationwide.

Distinguished as both a local and a national leader in engineering and environmental services, PSI is recognized in several disciplines including the following:

- Geotechnical Engineering
- Construction Materials Testing and Special Inspection
- Environmental Consulting
- Industrial Hygiene
- Nondestructive Examination
- Pavement Evaluation Services
- Building Science Solutions
    - Building Envelope
    - Curtainwall
    - Acoustic
    - Fire/Life Safety
    - Technology
    - Roof Consulting

PSI can provide outstanding consulting engineering and testing services; however, most of all we desire to demonstrate our commitment to excellence.

PSI provides its clients with ***Information To Build On*** in making knowledgeable, cost-effective business decisions that help their clients reduce expenses, improve quality and decrease liabilities.

A Commitment To Excellence

PSI maintains the highest professional and ethical standards, which include an economic awareness to provide the highest quality of personnel and service at a reasonable cost to our clients. Our unique combination of local, independent offices and nationwide resources means our project managers have the full responsibility for managing your local projects, and also have the national resources to handle the most challenging and complex projects, regardless of size.

While PSI's growth has been notable, even more impressive has been our ability to grow without sacrificing our technical knowledge or personalized attention to our clients. Recognition of the importance of our clients and repeat business has been a key factor in PSI's success. PSI will not sacrifice quality, value, or service to our clients.

A Commitment To Excellence (continued)

Our staff of professionals consists of the following:

- Professional Engineers (PE/PEng)
- Registered Roof Consultants (RRC)
- Registered Architects (AIA)
- Certified Industrial Hygienists (CIH)
- Registered Soil Scientists
- Engineers-In-Training (EIT)
- Registered Geologists

Our field and laboratory technicians are trained in-house and at special schools and seminars. Our project managers and technicians are certified by associations such as the following and also work with other specialized organizations within each discipline.

- Roofing Industry Educational Institute (RIEI)
- Roof Consultants Institute (RCI)
- American Concrete Institute (ACI)
- National Institute for the Certification of Engineering Technicians (NICET)
- American Welding Society (AWS)
- International Code Council (ICC)
- International Fire Council (IFC)

Since our founding, we have dedicated ourselves to excellence both in our technical expertise and in customer service. It is this principal upon which we have based our organization and established a national reputation as a leader in the field of professional engineering, testing and consulting services.

PSI's Vision… is to be the most trusted, integrated provider of "Information To Build On" for clients that buy, sell, design, construct, develop, finance and manage properties and infrastructure. By being safe 24/7/365, hiring and retaining the best employees, efficiently managing projects, and building close client relationships, we will be successful in growing PSI and in balancing the needs of our employees, clients and investors.

PERMIT FOR WATER SUPPLY SYSTEMS

(Construction – Alteration – Addition or Improvement) as Described Herein

*Required under the Authority of 1976 PA 399, as amended (Act 399)**

Water System Project:

Water Supply Name: SAGINAW, CITY OF

Public Water Supply ID: MI0005850

Project Name: Hancock and Ames Reconstruction

Project Purpose: Replacement

Project Location: City of Saginaw

Project County: Saginaw

Permit Number: **ACT-546610**

Issued Date: 4/2/2026

Expiration Date: 4/2/2028

This permit only authorizes the construction and/or alteration of the waterworks system as described below and detailed in the approved drawings and specifications in accordance with Part 13 of the Administrative Rules of Act 399.

ISSUED UNDER THE AUTHORITY OF THE DIRECTOR OF THE MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Reviewed by: Bob London

Issued by: Bob London

This permit expires if construction or alteration has not commenced by the expiration date, 4/2/2028, in accordance with R 325.11306.

Requests for extension of this permit may be made in MiEHDWIS Construction Permit Activity ACT-546610 or by contacting your EGLE representative.

Facilities Description:

-531' of water main (primarily 12-inch) on Hancock Street between N Michigan Avenue and N Niagara Street.

-477' of 16-inch water main and 55' of 4 or 6-inch water main on Ames Street between N Michigan Avenue and N Niagara Street.

Conditions:

Hancock and Ames Reconstruction Facilities

Mains

Length (ft)	Size (in)	Material	Construction Type	Comments
247	12	PVC	Replacement or Rehabilitation	Hancock St: Mainline water main from N Michigan Ave to N Hamilton St
30	6	PVC	Replacement or Rehabilitation	Hancock St: Water main service for 121 Hamilton St
229	12	PVC	Replacement or Rehabilitation	Hancock St: Mainline water main from N Hamilton St to N Niagara St.
6	8	PVC	Replacement or Rehabilitation	Hancock St: Mainline water main for reduction in size at N Niagara St.
14	12	PVC	Replacement or Rehabilitation	Hancock St: Installed for additional connection to 16-inch water main on N Niagara.
242	16	DI	Replacement or Rehabilitation	Ames St: Mainline water main from N Michigan Ave to N Hamilton St.
5	6	PVC	Replacement or Rehabilitation	Ames St: Installed for reconnecting the existing hydrant on the southwest N Michigan Ave corner.
235	16	DI	Replacement or Rehabilitation	Ames St: Mainline water main from N Hamilton St to N Niagara St.

Tanks

Volume (GL)	Tank Type	Construction Type	Comments

Wells

Diameter (in)	Depth (ft)	Capacity (GPM)	Pump Type	Construction Type	Comments

Pumps

Total Dynamic Head (TDH)	Capacity at TDH (GPM)	Pump Type	Number of Pumps	Construction Type	Comments

Treatment Processes

Construction Type	Treatment	Comments

Other Facilities

Type of Facility	Description

---

* *This Act 399 Permit is issued under the authority of the Director of the Michigan Department of Environment, Great Lakes, and Energy (EGLE) and allows the construction and/or alteration of the water system as described herein in accordance with Part 13 of the Administrative Rules of Act 399.*

The issuance of this permit does not authorize violation of any federal, state, or local laws or regulations, nor does it obviate the necessity of obtaining such permits, including any other EGLE permits, or approvals from other units of government as may be required by law.

This permit expires if construction or alteration has not commenced by the expiration date indicated above in accordance with R 325.11306. Requests for extension of this permit can be made through MiEHDWIS or by contacting your EGLE representative.

Revisions of the approved plans and specifications must be done in accordance R325.11309.

Noncompliance with the conditions of this permit and the requirements of Act 399 constitutes a violation of the Act.

Intentionally providing false information in this application constitutes fraud which is punishable by fine and/or imprisonment.

Where applicable for water withdrawals, the issuance of this permit indicates compliance with the requirements of Part 327 of Act 451, Great Lakes Preservation Act.

Council Communication

Item Number: 28.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Metro Act Application

Prepared By: Travis Hare, Deputy Director of Public Works

Manager's Recommendation:

Approve the Metropolitan Extension Telecommunications Rights-of-Way Oversight (METRO) Act Bilateral Application and Permit with Peninsula Fiber Network for the Public Services Department, Right of Way Division.

Justification:

Peninsula Fiber Network of Marquette, Michigan has applied for a Bilateral Permit pursuant to the METRO Act; Public Act No.48 of the Public Acts of 2002, as amended. Peninsula Fiber Network of Marquette, Michigan is a new provider in the City of Saginaw and is a Competitive Local Exchange Carrier. Peninsula Fiber Network plans to have fiber optic cable installed to expand high-speed communications for its current internet providers.

Bilateral permits pursuant to the METRO Act are for 15 years with three additional automatic five-year renewals. This permit will expire on June 8, 2056, unless, after the initial 15 years, the City provides a 12-month notice to renegotiate the terms of the renewal.

It does not change the relationship between the parties, requirements regarding the payment of fees, or requirements regarding the construction and maintenance of telecommunications facilities within the City’s rights-of-way.

The METRO Act was created to, among other things, streamline the process for authorizing access to and use of public rights-of-way by telecommunications providers and ensure the reasonable control and management of public rights-of-way by municipalities. A telecommunications provider using or seeking to use the public rights-of-way for its facilities must obtain a permit from the municipality and pay all fees required under the Act. The Act determines all aspects of the permitting process, including application, dispute resolution, and fees. The Act requires that municipalities act reasonably and promptly on all applications for a permit and must grant providers a permit for access to and use of all public rights-of-way.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

1. Saginaw MTA Permit Bilateral Form Revised 5.19.26

METRO Act Permit
Bilateral Form
Revised 12/06/02

RIGHT-OF-WAY TELECOMMUNICATIONS PERMIT

TERMS AND CONDITIONS

1 Definitions

1.1 Company shall mean Peninsula Fiber Network, LLC organized under the laws of the State of Michigan whose address is 1901 W Ridge St, Suite 2., Marquette, MI 49855.

1.2 Effective Date shall mean the date set forth in Part 13.

1.3 Manager shall mean Municipality's [Mayor/Manager/Supervisor/Village President] or his or her designee.

1.4 METRO Act shall mean the Metropolitan Extension Telecommunications Rights-of-Way Oversight Act, Act No. 48 of the Public Acts of 2002, as amended.

1.5 Municipality shall mean City of Saginaw, a Michigan municipal corporation.

1.6 Permit shall mean this document.

1.7 Public Right-of-Way shall mean the area on, below, or above a public roadway, highway, street, alley, easement, or waterway, to the extent Municipality has the ability to grant the rights set forth herein. Public right-of-way does not include a federal, state, or private right-of-way.

1.8 Telecommunication Facilities or Facilities shall mean the Company's equipment or personal property, such as copper and fiber cables, lines, wires, switches, conduits, pipes, and sheaths, which are used to or can generate, receive, transmit, carry, amplify, or provide telecommunication services or signals. Telecommunication Facilities or Facilities do not include antennas, supporting structures for antennas, equipment shelters or houses, and any ancillary equipment and miscellaneous hardware used to provide federally licensed commercial mobile service as defined in Section 332(d) of Part I of Title III of the Communications Act of 1934, Chapter 652, 48 Stat. 1064, 47 U.S.C. 332 and further defined as commercial mobile radio service in 47 CFR 20.3, and service provided by any wireless, 2-way communications device.

1.9 Term shall have the meaning set forth in Part 7.

2 Grant

2.1 Municipality hereby grants a permit under the METRO Act to Company for access to and ongoing use of the Public Right-of-Way to construct, install and maintain Telecommunication Facilities in those portions of the Public Right-of-Way identified on Exhibit A on the terms set forth herein.

2.1.1 Exhibit A may be modified by written request by Company and approval by Manager.

2.1.2 Manager shall not unreasonably condition or deny any request for a modification of Exhibit A. Any decision of Manager on a request for a modification may be appealed by Company to Municipality's legislative body.

2.2 Overlashing. Company shall not allow the wires or any other facilities of a third party to be overlashed to the Telecommunication Facilities without Municipality's prior written consent. Municipality's right to withhold written consent is subject to the authority of the Michigan Public Service Commission under Section 361 of the Michigan Telecommunications Act, MCL § 484.2361.

2.3 Nonexclusive. The rights granted by this Permit are nonexclusive. Municipality reserves the right to approve, at any time, additional permits for access to and ongoing usage of the Public Right-of-Way by telecommunications providers and to enter into agreements for use of the Public Right-of-Way with and grant franchises for use of the Public Right-of-Way to telecommunications providers, cable companies, utilities and other providers.

3 Contacts, Maps and Plans

3.1 Company Contacts. The names, addresses and the like for engineering and construction related information for Company and its Telecommunication Facilities are as follows:

3.1.1 The address, e-mail address, phone number and contact person (title or name) at Company's local office (in or near Municipality) is 1901 W Ridge St, Suite 2., Marquette, MI 49855; Jon French; jfrench@up.net; 906-353-6644

3.1.2 If Company's engineering drawings, as-built plans and related records for the Telecommunication Facilities will not be located at the preceding local

office, the location address, phone number and contact person (title or department) for them is 1901 W Ridge St, Suite 2., Marquette, MI 49855; JonFrench;jfrench@up.net;906-353-6644

3.1.3 The name, title, address, e-mail address and telephone numbers of Company's engineering contact person(s) with responsibility for the design, plans and construction of the Telecommunication Facilities is 1901 W Ridge St. Suite 2, Marquette MI 49855; Jon French; jfrench@up.net; 906-353-6644.

3.1.4 The address, phone number and contact person (title or department) at Company's home office/regional office with responsibility for engineering and construction related aspects of the Telecommunication Facilities is 1901 W Ridge St. Suite 2, Marquette MI 49855; Jon French; jfrench@up.net; 906-353-6644.

3.1.5 Company shall at all times provide Manager with the phone number at which a live representative of Company (not voice mail) can be reached 24 hours a day, seven (7) days a week, in the event of a public emergency.

3.1.6 The preceding information is accurate as of the Effective Date. Company shall notify Municipality in writing as set forth in Part 12 of any changes in the preceding information.

3.2 Route Maps. Within ninety (90) days after the substantial completion of construction of new Facilities in a Municipality, a provider shall submit route maps showing the location of the Telecommunication Facilities to both the Michigan Public Service Commission and to the Municipality, as required under Section 6(7) of the METRO Act, MCLA 484.3106(7).

3.3 As-Built Records. Company, without expense to Municipality, shall, upon forty-eight (48) hours notice, give Municipality access to all "as-built" maps, records, plans and specifications showing the Telecommunication Facilities or portions thereof in the Public Right-of-Way. Upon request by Municipality, Company shall inform Municipality as soon as reasonably possible of any changes from previously supplied maps, records, or plans and shall mark up maps provided by Municipality so as to show the location of the Telecommunication Facilities.

4 Use of Public Right-of-Way

4.1 No Burden on Public Right-of-Way. Company, its contractors, subcontractors, and the Telecommunication Facilities shall not unduly burden or interfere with the present or future use of any of the Public Right-of-Way. Company's aerial cables and wires shall be suspended so as to not endanger or injure persons or property in or about the Public Right-of-Way. If Municipality reasonably determines that any portion of the Telecommunication Facilities constitutes an undue burden or interference, due to changed circumstances, Company, at its sole expense, shall

modify the Telecommunication Facilities or take such other actions as Municipality may determine is in the public interest to remove or alleviate the burden, and Company shall do so within a reasonable time period. Municipality shall attempt to require all occupants of a pole or conduit whose facilities are a burden to remove or alleviate the burden concurrently.

4.2 No Priority. This Permit does not establish any priority of use of the Public Right-of-Way by Company over any present or future permittees or parties having agreements with Municipality or franchises for such use. In the event of any dispute as to the priority of use of the Public Right-of-Way, the first priority shall be to the public generally, the second priority to Municipality, the third priority to the State of Michigan and its political subdivisions in the performance of their various functions, and thereafter as between other permit, agreement or franchise holders, as determined by Municipality in the exercise of its powers, including the police power and other powers reserved to and conferred on it by the State of Michigan.

4.3 Restoration of Property. Company, its contractors and subcontractors shall immediately (subject to seasonal work restrictions) restore, at Company's sole expense, in a manner approved by Municipality, any portion of the Public Right-of-Way that is in any way disturbed, damaged, or injured by the construction, installation, operation, maintenance or removal of the Telecommunication Facilities to a reasonably equivalent (or, at Company's option, better) condition as that which existed prior to the disturbance. In the event that Company, its contractors or subcontractors fail to make such repair within a reasonable time, Municipality may make the repair and Company shall pay the costs Municipality incurred for such repair.

4.4 Marking. Company shall mark the Telecommunication Facilities as follows: Aerial portions of the Telecommunication Facilities shall be marked with a marker on Company's lines on alternate poles which shall state Company's name and provide a toll-free number to call for assistance. Direct buried underground portions of the Telecommunication Facilities shall have (1) a conducting wire placed in the ground at least several inches above Company's cable (if such cable is nonconductive); (2) at least several inches above that, a continuous colored tape with a statement to the effect that there is buried cable beneath; and (3) stakes or other appropriate above ground markers with Company's name and a toll-free number indicating that there is buried telephone cable below. Bored underground portions of the Telecommunication Facilities shall have a conducting wire at the same depth as the cable and shall not be required to provide the continuous colored tape. Portions of the Telecommunication Facilities located in conduit, including conduit of others used by Company, shall be marked at its entrance into and exit from each manhole and handhole with Company's name and a toll-free telephone number.

4.5 Tree Trimming. Company may trim trees upon and overhanging the Public Right-of-Way so as to prevent the branches of such trees from coming into contact with the Telecommunication Facilities, consistent with any standards adopted by Municipality. Company shall dispose of all trimmed materials. Company shall minimize the trimming of trees to that essential to maintain the integrity of the Telecommunication Facilities. Except in emergencies, all trimming of trees in the Public Right-of-Way shall have the advance approval of Manager.

4.6 Installation and Maintenance. The construction and installation of the Telecommunication Facilities shall be performed pursuant to plans approved by Municipality. The open cut of any Public Right-of-Way shall be coordinated with the Manager or his designee. Company shall install and maintain the Telecommunication Facilities in a reasonably safe condition. If the existing poles in the Public Right-of-Way are overburdened or unavailable for Company's use, or the facilities of all users of the poles are required to go underground then Company shall, at its expense, place such portion of its Telecommunication Facilities underground, unless Municipality approves an alternate location. Company may perform maintenance on the Telecommunication Facilities without prior approval of Municipality, provided that Company shall obtain any and all permits required by Municipality in the event that any maintenance will disturb or block vehicular traffic or are otherwise required by Municipality.

4.7 Pavement Cut Coordination. Company shall coordinate its construction and all other work in the Public Right-of-Way with Municipality's program for street construction and rebuilding (collectively "Street Construction") and its program for street repaving and resurfacing (except seal coating and patching) (collectively, "Street Resurfacing").

4.7.1 The goals of such coordination shall be to encourage Company to conduct all work in the Public Right-of-Way in conjunction with or immediately prior to any Street Construction or Street Resurfacing planned by Municipality.

4.8 Compliance with Laws. Company shall comply with all laws, statutes, ordinances, rules and regulations regarding the construction, installation, and maintenance of its Telecommunication Facilities, whether federal, state or local, now in force or which hereafter may be promulgated. Before any installation is commenced, Company shall secure all necessary permits, licenses and approvals from Municipality or other governmental entity as may be required by law, including, without limitation, all utility line permits and highway permits. Municipality shall not unreasonably delay or deny issuance of any such permits, licenses or approvals. Company shall comply in all respects with applicable codes and industry standards, including but not limited to the National Electrical Safety Code (latest edition

adopted by Michigan Public Service Commission) and the National Electric Code (latest edition). Company shall comply with all zoning and land use ordinances and historic preservation ordinances as may exist or may hereafter be amended. This section does not constitute a waiver of Company's right to challenge laws, statutes, ordinances, rules or regulations now in force or established in the future.

4.9 Street Vacation. If Municipality vacates or consents to the vacation of Public Right-of-Way within its jurisdiction, and such vacation necessitates the removal and relocation of Company's Facilities in the vacated Public Right-of-Way, Company shall, as a condition of this Permit, consent to the vacation and remove its Facilities at its sole cost and expense when ordered to do so by Municipality or a court of competent jurisdiction. Company shall relocate its Facilities to such alternate route as Municipality and Company mutually agree, applying reasonable engineering standards.

4.10 Relocation. If Municipality requests Company to relocate, protect, support, disconnect, or remove its Facilities because of street or utility work, or other public projects, Company shall relocate, protect, support, disconnect, or remove its Facilities, at its sole cost and expense, including where necessary to such alternate route as Municipality and Company mutually agree, applying reasonable engineering standards. The work shall be completed within a reasonable time period.

4.11 Public Emergency. Municipality shall have the right to sever, disrupt, dig-up or otherwise destroy Facilities of Company if such action is necessary because of a public emergency. If reasonable to do so under the circumstances, Municipality shall attempt to provide notice to Company. Public emergency shall be any condition which poses an immediate threat to life, health, or property caused by any natural or man-made disaster, including, but not limited to, storms, floods, fire, accidents, explosions, water main breaks, hazardous material spills, etc. Company shall be responsible for repair at its sole cost and expense of any of its Facilities damaged pursuant to any such action taken by Municipality.

4.12 Miss Dig. If eligible to join, Company shall subscribe to and be a member of "MISS DIG," the association of utilities formed pursuant to Act 174 of the Public Acts of 2013, as amended, MCL § 460.721 et seq., and shall conduct its business in conformance with the statutory provisions and regulations promulgated thereunder.

4.13 Underground Relocation. If Company has its Facilities on poles of Consumers Energy, Detroit Edison or another electric or telecommunications provider and Consumers Energy, Detroit Edison or such other electric or telecommunications provider relocates its system underground, then Company shall relocate its Facilities underground in the same location at Company's sole cost and expense.

4.14 Identification. All personnel of Company and its contractors or subcontractors who have as part of their normal duties contact with the general public shall wear on their clothing a clearly visible identification card bearing Company's name, their name and photograph. Company shall account for all identification cards at all times. Every service vehicle of Company and its contractors or subcontractors shall be clearly identified as such to the public, such as by a magnetic sign with Company's name and telephone number.

5 Indemnification

5.1 Indemnity. Company shall defend, indemnify, protect, and hold harmless Municipality, its officers, agents, employees, elected and appointed officials, departments, boards, and commissions from any and all claims, losses, liabilities, causes of action, demands, judgments, decrees, proceedings, and expenses of any nature (collectively "claim" for this Part 5) (including, without limitation, attorneys' fees) arising out of or resulting from the acts or omissions of Company, its officers, agents, employees, contractors, successors, or assigns, but only to the extent such acts or omissions are related to the Company's use of or installation of facilities in the Public Right-of-Way and only to the extent of the fault or responsibility of Company, its officers, agents, employees, contractors, successors and assigns.

5.2 Notice, Cooperation. Municipality shall notify Company promptly in writing of any such claim and the method and means proposed by Municipality for defending or satisfying such claim. Municipality shall cooperate with Company in every reasonable way to facilitate the defense of any such claim. Municipality shall consult with Company respecting the defense and satisfaction of such claim, including the selection and direction of legal counsel.

5.3 Settlement. Municipality shall not settle any claim subject to indemnification under this Part 5 without the advance written consent of Company, which consent shall not be unreasonably withheld. Company shall have the right to defend or settle, at its own expense, any claim against Municipality for which Company is responsible hereunder.

6 Insurance

6.1 Coverage Required. Prior to beginning any construction in or installation of the Telecommunication Facilities in the Public Right-of-Way, Company shall obtain insurance as set forth below and file certificates evidencing same with Municipality. Such insurance shall be maintained in full force and effect until the end of the Term. In the alternative, Company may satisfy this requirement through

a program of self-insurance, acceptable to Municipality, by providing reasonable evidence of its financial resources to Municipality. Municipality's acceptance of such self-insurance shall not be unreasonably withheld.

6.1.1 Commercial general liability insurance, including Completed Operations Liability, Independent Contractors Liability, Contractual Liability coverage, railroad protective coverage and coverage for property damage from perils of explosion, collapse or damage to underground utilities, commonly known as XCU coverage, in an amount not less than Five Million Dollars ($5,000,000).

6.1.2 Liability insurance for sudden and accidental environmental contamination with minimum limits of Five Hundred Thousand Dollars ($500,000) and providing coverage for claims discovered within three (3) years after the term of the policy.

6.1.3 Automobile liability insurance in an amount not less than One Million Dollars ($1,000,000).

6.1.4 Workers' compensation and employer's liability insurance with statutory limits, and any applicable Federal insurance of a similar nature.

6.1.5 The coverage amounts set forth above may be met by a combination of underlying (primary) and umbrella policies so long as in combination the limits equal or exceed those stated. If more than one insurance policy is purchased to provide the coverage amounts set forth above, then all policies providing coverage limits excess to the primary policy shall provide drop down coverage to the first dollar of coverage and other contractual obligations of the primary policy, should the primary policy carrier not be able to perform any of its contractual obligations or not be collectible for any of its coverages for any reason during the Term, or (when longer) for as long as coverage could have been available pursuant to the terms and conditions of the primary policy.

6.2 Additional Insured. Municipality shall be named as an additional insured on all policies (other than worker's compensation and employer's liability). All insurance policies shall provide that they shall not be canceled, modified or not renewed unless the insurance carrier provides thirty (30) days prior written notice to Municipality. Company shall annually provide Municipality with a certificate of insurance evidencing such coverage. All insurance policies (other than environmental contamination, workers' compensation and employer's liability insurance) shall be written on an occurrence basis and not on a claims made basis.

6.3 Qualified Insurers. All insurance shall be issued by insurance carriers licensed to do business by the State of Michigan or by surplus line carriers on the Michigan Insurance Commission approved list of companies qualified to do business in Michigan. All insurance and surplus line carriers shall be rated A+ or better by A.M. Best Company.

6.4 Deductibles. If the insurance policies required by this Part 6 are written with retainages or deductibles in excess of $50,000, they shall be approved by Manager in advance in writing. Company shall indemnify and save harmless Municipality from and against the payment of any deductible and from the payment of any premium on any insurance policy required to be furnished hereunder.

6.5 Contractors. Company's contractors and subcontractors working in the Public Right-of-Way shall carry in full force and effect commercial general liability, environmental contamination liability, automobile liability and workers' compensation and employer liability insurance which complies with all terms of this Part 6. In the alternative, Company, at its expense, may provide such coverages for any or all its contractors or subcontractors (such as by adding them to Company's policies).

6.6 Insurance Primary. Company's insurance coverage shall be primary insurance with respect to Municipality, its officers, agents, employees, elected and appointed officials, departments, boards, and commissions (collectively "them"). Any insurance or self-insurance maintained by any of them shall be in excess of Company's insurance and shall not contribute to it (where "insurance or self-insurance maintained by any of them" includes any contract or agreement providing any type of indemnification or defense obligation provided to, or for the benefit of them, from any source, and includes any self-insurance program or policy, or self-insured retention or deductible by, for or on behalf of them).

7 Term

7.1 Term. The term ("Term") of this Permit shall be until the earlier of:

7.1.1 Fifteen years (15) from the Effective Date; provided, however, that following such initial term there shall be three subsequent renewal terms of five (5) years. Each renewal term shall be automatic unless Municipality notifies Company in writing, at least twelve (12) months prior to the end of any term then in effect, that due to changed circumstances a need exists to negotiate the subsequent renewal with Company. Municipality shall not unreasonably deny a renewal term; or

7.1.2 When the Telecommunication Facilities have not been used to provide telecommunications services for a period of one hundred and eighty (180) days by the Company or a successor of an assign of the Company; or

7.1.3 When Company, at its election and with or without cause, delivers written notice of termination to Municipality at least one-hundred and eighty (180) days prior to the date of such termination; or

7.1.4 Upon either Company or Municipality giving written notice to the other of the occurrence or existence of a default by the other party under Sections 4.8, 6, 8 or 9 of this Permit and such defaulting party failing to cure, or commence good faith efforts to cure, such default within sixty (60) days (or such shorter period of time provided elsewhere in this Permit) after delivery of such notice; or

7.1.5 Unless Manager grants a written extension, one year from the Effective Date if prior thereto Company has not started the construction and installation of the Telecommunication Facilities within the Public Right-of-Way and two years from the Effective Date if by such time construction and installation of the Telecommunication Facilities is not complete.

8 Performance Bond or Letter of Credit

8.1 Municipal Requirement. Municipality may require Company to post a bond (or letter of credit) as provided in Section 15(3) of the METRO Act, as amended [MCL § 484.3115(3)].

9 Fees

9.1 Establishment; Reservation. The METRO Act shall control the establishment of right-of-way fees. The parties reserve their respective rights regarding the nature and amount of any fees which may be charged by Municipality in connection with the Public Right-of-Way.

10 Removal

10.1 Removal; Underground. As soon as practicable after the Term, Company or its successors and assigns shall remove any underground cable or other portions of the Telecommunication Facilities from the Public Right-of-Way which has been installed in such a manner that it can be removed without trenching or other opening of the Public Right-of-Way. Company shall not remove any underground cable or other portions of the Telecommunication Facilities which requires trenching or

other opening of the Public Right-of-Way except with the prior written approval of Manager. All removals shall be at Company's sole cost and expense.

10.1.1 For purposes of this Part 10, "cable" means any wire, coaxial cable, fiber optic cable, feed wire or pull wire.

10.2 Removal; Above Ground. As soon as practicable after the Term, Company, or its successor or assigns at its sole cost and expense, shall, unless waived in writing by Manager, remove from the Public Right-of-Way all above ground elements of its Telecommunication Facilities, including but not limited to poles, pedestal mounted terminal boxes, and lines attached to or suspended from poles.

10.3 Schedule. The schedule and timing of removal shall be subject to approval by Manager. Unless extended by Manager, removal shall be completed not later than twelve (12) months following the Term. Portions of the Telecommunication Facilities in the Public Right-of-Way which are not removed within such time period shall be deemed abandoned and, at the option of Municipality exercised by written notice to Company as set forth in Part 12, title to the portions described in such notice shall vest in Municipality.

11 Assignment. Company may assign or transfer its rights under this Permit, or the persons or entities controlling Company may change, in whole or in part, voluntarily, involuntarily, or by operation of law, including by merger or consolidation, change in the ownership or control of Company's business, or by other means, subject to the following:

11.1 No such transfer or assignment or change in the control of Company shall be effective under this Permit, without Municipality's prior approval (not to be unreasonably withheld), during the time period from the Effective Date until the completion of the construction of the Telecommunication Facilities in those portions of the Public Right-of-Way identified on Exhibit A.

11.2 After the completion of such construction, Company must provide notice to Municipality of such transfer, assignment or change in control no later than thirty (30) days after such occurrence; provided, however,

11.2.1 Any transferee or assignee of this Permit shall be qualified to perform under its terms and conditions and comply with applicable law; shall be subject to the obligations of this Permit, including responsibility for any defaults which occurred prior to the transfer or assignment; shall supply Municipality with the information required under Section 3.1; and shall comply with any updated insurance and performance bond requirements under Sections 6 and 8 respectively, which Municipality reasonably deems necessary, and

11.2.2 In the event of a change in control, it shall not be to an entity lacking the qualifications to assure Company's ability to perform under the terms and conditions of this Permit and comply with applicable law; and Company shall comply with any updated insurance and performance bond requirements under Sections 6 and 8 respectively, which Municipality reasonably deems necessary.

11.3 Company may grant a security interest in this Permit, its rights thereunder or the Telecommunication Facilities at any time without notifying Municipality.

12 Notices

12.1 Notices. All notices under this Permit shall be given as follows:

12.1.1 If to Municipality, to [address], with a copy to [address].

12.1.2 If to Company, to Peninsula Fiber Network, LLC , with a copy to 1901 W Ridge St, Suite 2., Marquette, MI 49855.

12.2 Change of Address. Company and Municipality may change its address or personnel for the receipt of notices at any time by giving notice thereof to the other as set forth above.

13 Other items

13.1 No Cable, OVS. This Permit does not authorize Company to provide commercial cable type services to the public, such as "cable service" or the services of an "open video system operator" (as such terms are defined in the Federal Communications Act of 1934 and implementing regulations, currently 47 U.S.C. §§ 522 (6), 573 and 47 CFR § 76.1500).

13.2 Duties. Company shall faithfully perform all duties required by this Permit.

13.3 Effective Date. This Permit shall become effective when issued by Municipality and Company has provided any insurance certificates and bonds required in Parts 6 and 8, and signed the acceptance of the Permit.

13.4 Authority. This Permit satisfies the requirement for a permit under Section 5 of the METRO Act [MCL 484.3105].

13.5 Amendment. Except as set forth in Section 2.1 this Permit may be amended by the written agreement of Municipality and Company.

13.6 Interpretation and Severability. The provisions of this Permit shall be liberally construed to protect and preserve the peace, health, safety and welfare of the public, and should any provision or section of this Permit be held unconstitutional, invalid, overbroad or otherwise unenforceable, such determination/holding shall not be construed as affecting the validity of any of the remaining conditions of this Permit. If any provision in this Permit is found to be partially overbroad, unenforceable, or invalid, Company and Municipality may nevertheless enforce such provision to the extent permitted under applicable law.

13.7 Governing Law. This Permit shall be governed by the laws of the State of Michigan.

City of Saginaw

Attest: Kristine Bolzman
By:_____
Clerk

By: Timothy Morales
Its: City of Saginaw - City Manager
Date:_____

"Company accepts the Permit granted by Municipality upon the terms and conditions contained therein."

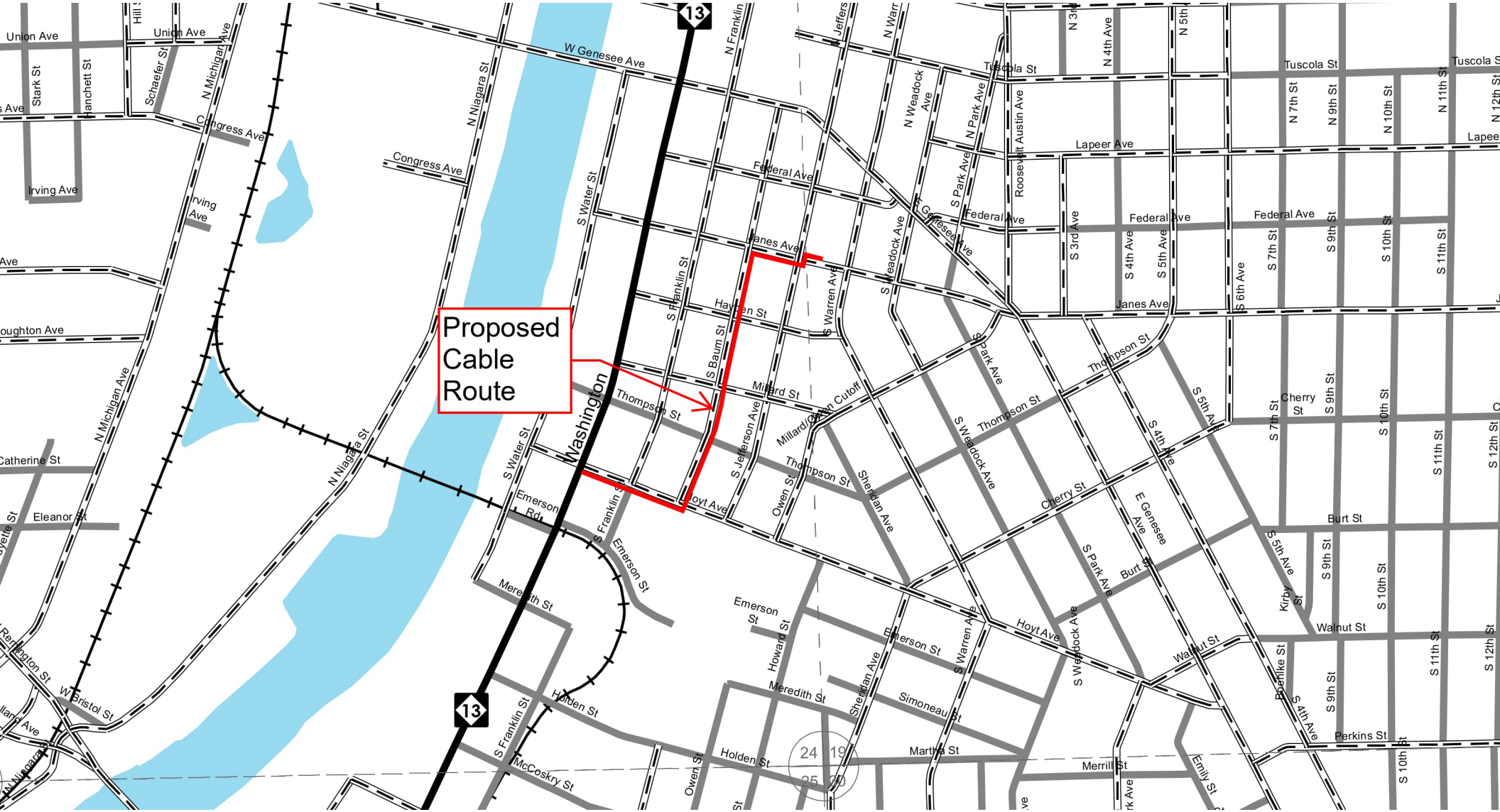
Peninusla Fiber Network, LLC
By: Rejean Houle
Its: OSP Construction & Engineering Coordinator
Date: 05MAR2026

::ODMA\PCDOCS\GRR\759319\6

Exhibit A

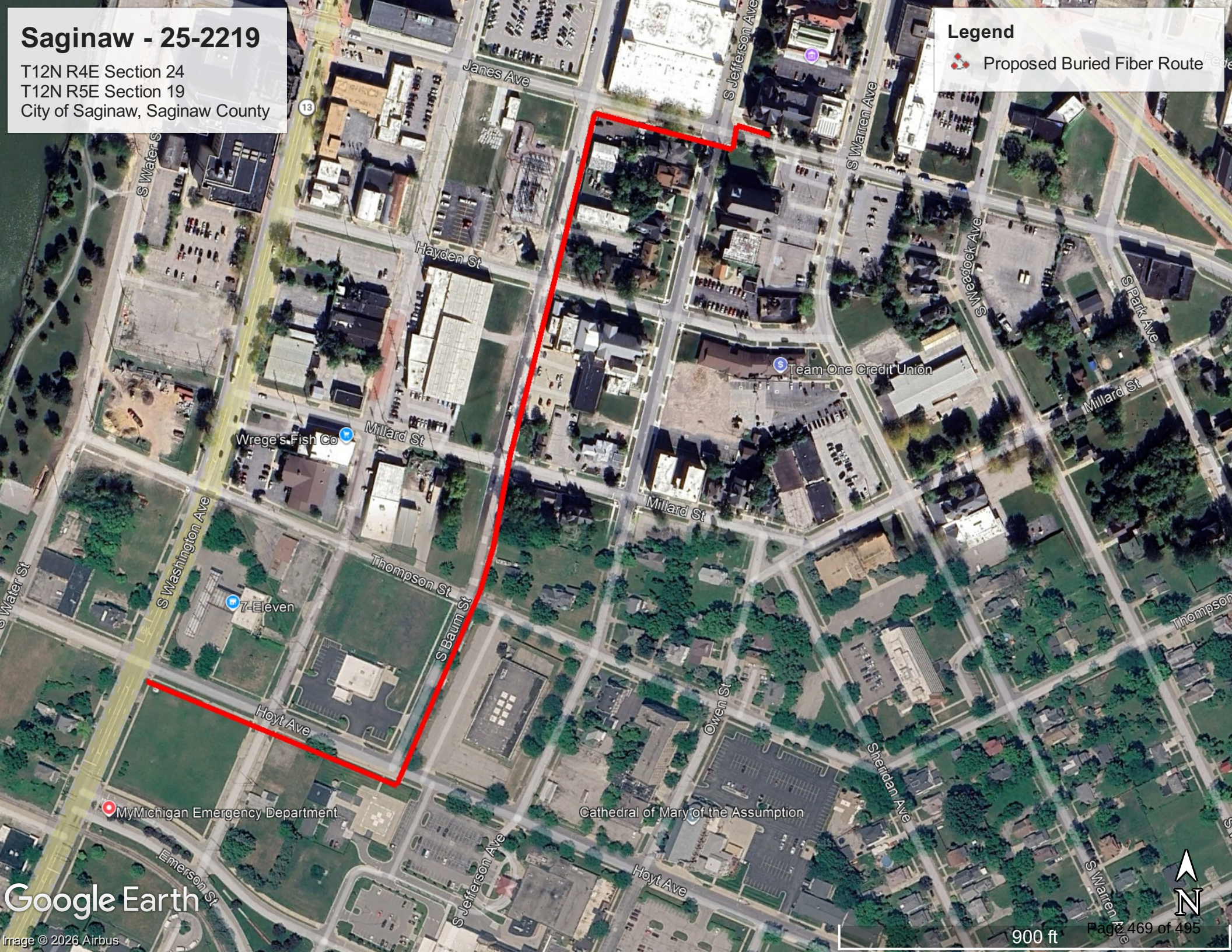
Public Right-of-Way to be Used by Telecommunication Facilities

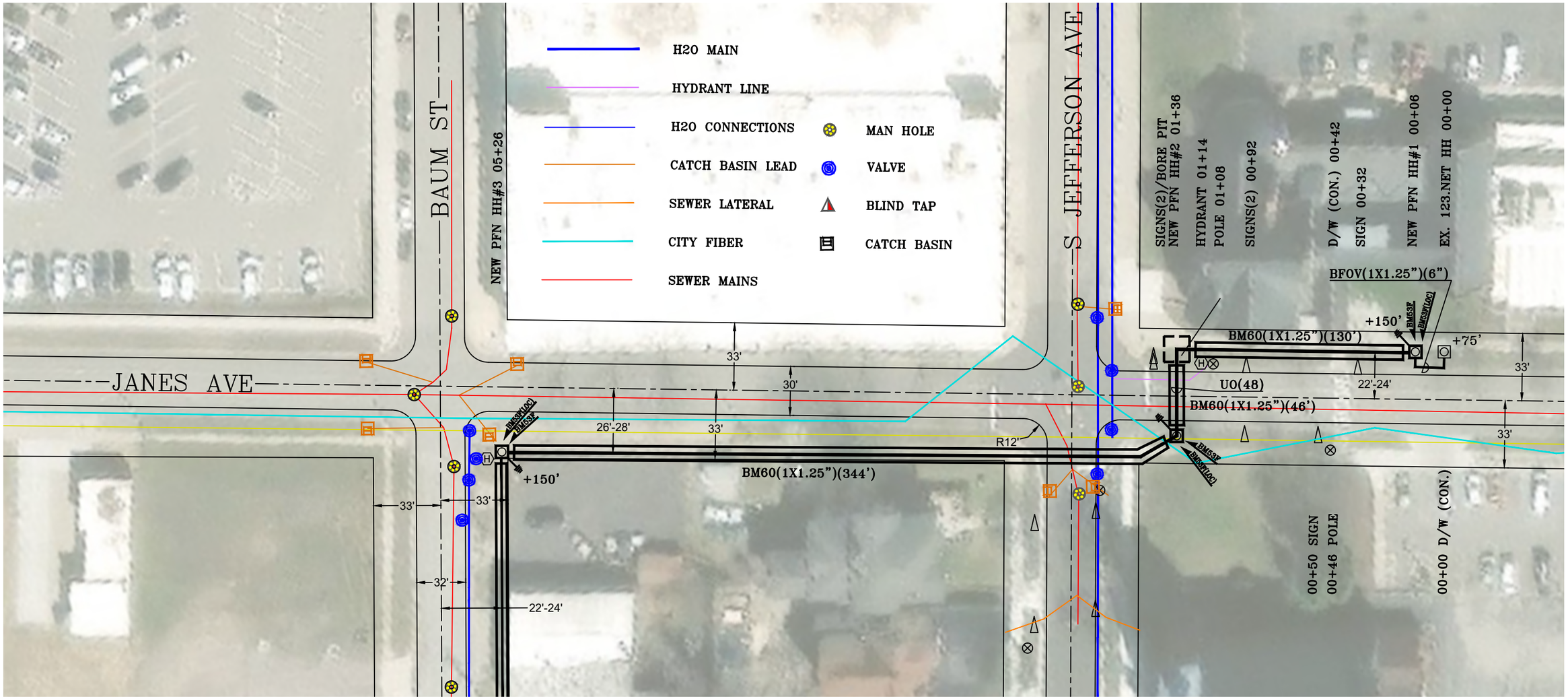
Peninsula Fiber Network is proposing the installation of underground fiber optic infrastructure within the City's road right-of-way to deliver reliable, high-speed internet service to the Mobile Medical Response building. See attached detailed plans.


Proposed
Cable
Route
Union Ave
Stark St
Hanchett St
Schaefer St
N Michigan Ave
Congress Ave
Irving Ave
Catherine St
Eleanor St
W Bristol St
N Niagara St
W Genesee Ave
S Water St
N Franklin
S Franklin St
S Baum St
Janes Ave
Hayden St
Millard St
Millard/Orland Cutoff
Thompson St
Hoyt Ave
Emerson St
Emerson Rd
Meredith St
Holden St
McCoskry St
Washington
13
S Jefferson Ave
Owen St
Howard St
Sheridan Ave
S Warren Ave
N Weadock Ave
S Weadock Ave
N Park Ave
S Park Ave
Roosevelt Austin Ave
E Genesee Ave
Federal Ave
Lapeer Ave
Tuscola St
Cherry St
Burt St
Walnut St
Kirby St
Boehnke St
Simoneau St
Martha St
Merrill St
Perkins St
Emilly St
N 3rd
N 4th Ave
N 5th
N 7th St
N 9th St
N 10th St
N 11th St
S 3rd Ave
S 4th Ave
S 5th Ave
S 6th Ave
S 7th St
S 9th St
S 10th St
S 11th St
S 12th St

Saginaw - 25-2219

T12N R4E Section 24
T12N R5E Section 19
City of Saginaw, Saginaw County





SEE SHT. 02 OF 06

PED OR POLE NUMBER	BFOV(1X 1.25")	BM2(5/8)(8)	BM53(LOC)	BM53F	BM60(1X 1.25")	BMSC(48)	UH2 24X36X 36	UO(48)	WHM
123.NET HH						75			1
PFN HH#1	6	1	1	1		150	1	6	
PFN HH#2		1	1	1	182	150	1	182	
PFN HH#3		1	1	1	344	150	1	344	
	6	3	3	3	526	525	3	532	1

PED OR POLE NUMBER	SUB NUMBER

Filename: 9401-25-2219
Engineer: E.L.
Drafter: L. BRYANT
Last accessed: 05/06/26
Time: 9:46 AM
Prepared By: JSI

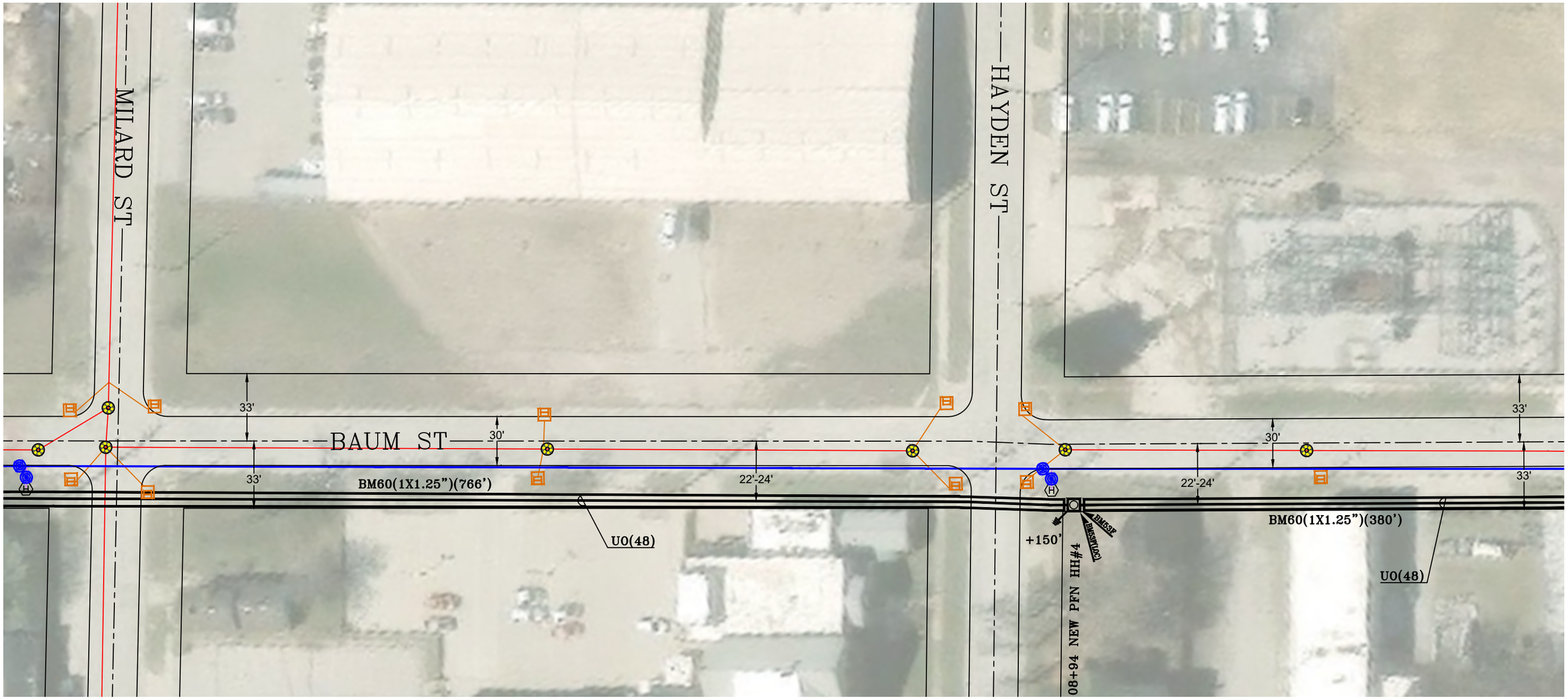
PFN
PENINSULA FIBER NETWORK

NOTES:

THIS STAKING SHEET DOES NOT SHOW ALL UNDERGROUND UTILITIES. THOSE THAT ARE SHOWN ARE SHOWN IN RELATIVE POSITION ONLY. THE SHEET DOES NOT SPECIFY NUMBER OF UTILITIES, TYPE, OR EXACT LOCATION. IT IS CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

PENINSULA FIBER NETWORK

Exchange:
Serving Area:
Route:
Twp: | Rng: | Sec:
County: SAGINAW | Tax District:
Project: | Sheet: 01 of 06
Job Order: 9401-25-2219 | Scale: 1" = 50'
As Built: | Const. Sheet: of



PED OR POLE NUMBER	BM2(5/8)(8)	BM53F	BM53F(LOC)	BM60(1X 1.25")	BMSC(48)	UH2 24X36X 36	UO(48)											PED OR POLE NUMBER	SUB NUMBER			
PFN HH#4	1	1	1	380	150	1	380															
	1	1	1	380	150	1	380															

Filename: 9401-25-2219
Engineer: E.L.
Drafter: L. BRYANT
Last accessed: 05/06/26
Time: 9:49 AM
Prepared By: JSI

PFN
PENINSULA FIBER NETWORK

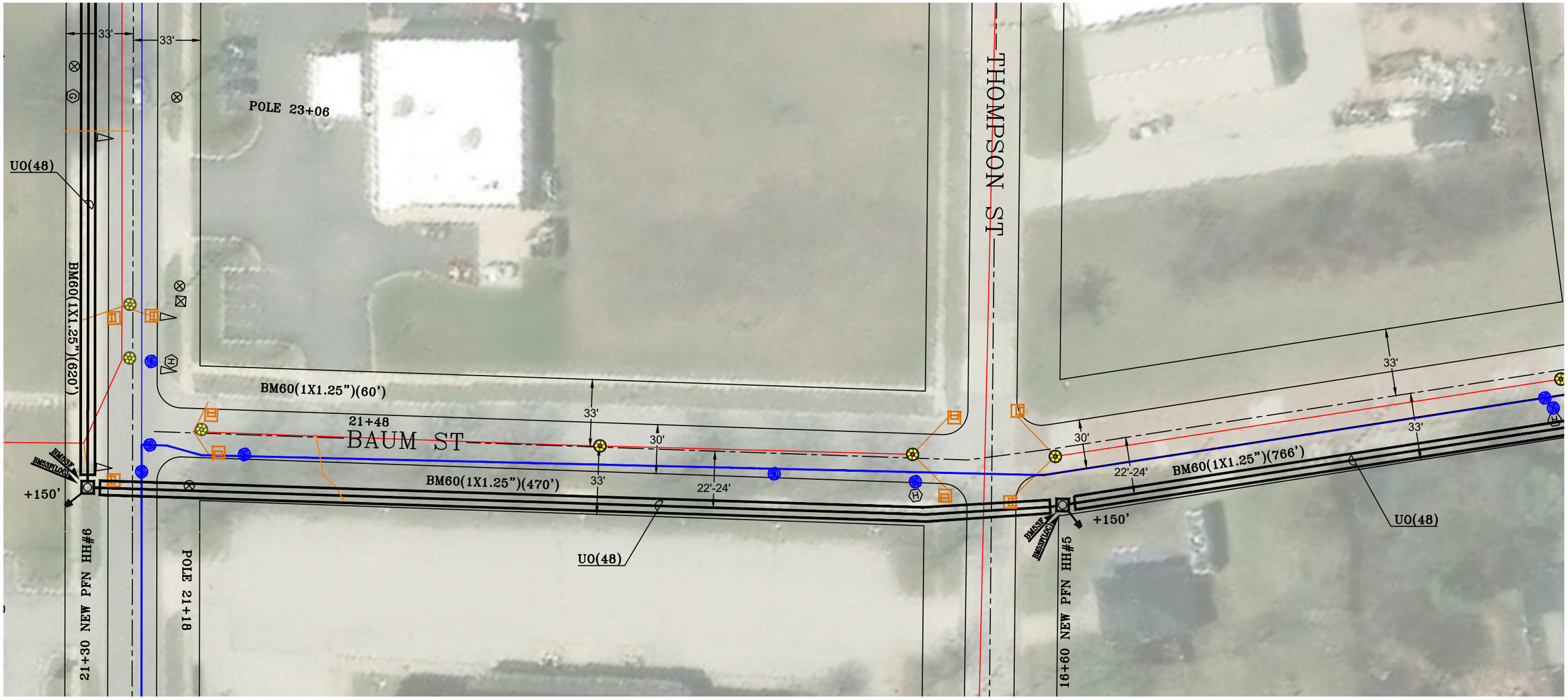
NOTES:

THIS STAKING SHEET DOES NOT SHOW ALL UNDERGROUND UTILITIES. THOSE THAT ARE SHOWN ARE SHOWN IN RELATIVE POSITION ONLY. THE SHEET DOES NOT SPECIFY NUMBER OF UTILITIES, TYPE, OR EXACT LOCATION. IT IS CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

PENINSULA FIBER NETWORK

Exchange:		
Serving Area:		
Route:		
Twp:	Rng:	Sec:
County: SAGINAW		Tax District:
Project:		Sheet: 02 of 06
Job Order: 9401-25-2219		Scale: 1" = 50'
As Built:		Const. Sheet: of

SEE SHT. 04 OF 06



SEE SHT. 02 OF 06

PED OR POLE NUMBER	BM2(5/8)(8)	BM53F	BM53F(LOC)	BM60(1X 1.25")	BMSC(48)	UH2 24X36X 36	UO(48)											PED OR POLE NUMBER	SUB NUMBER			
PFN HH#5	1	1	1	766	150	1	766															
PFN HH#6	1	1	1	470	150	1	470															
	2	2	2	1236	300	2	1236															

Filename: 9401-25-2219
Engineer: E.L.
Drafter: L. BRYANT
Last accessed: 05/06/26
Time: 9:54 AM
Prepared By: JSI

PFN
PENINSULA FIBER NETWORK

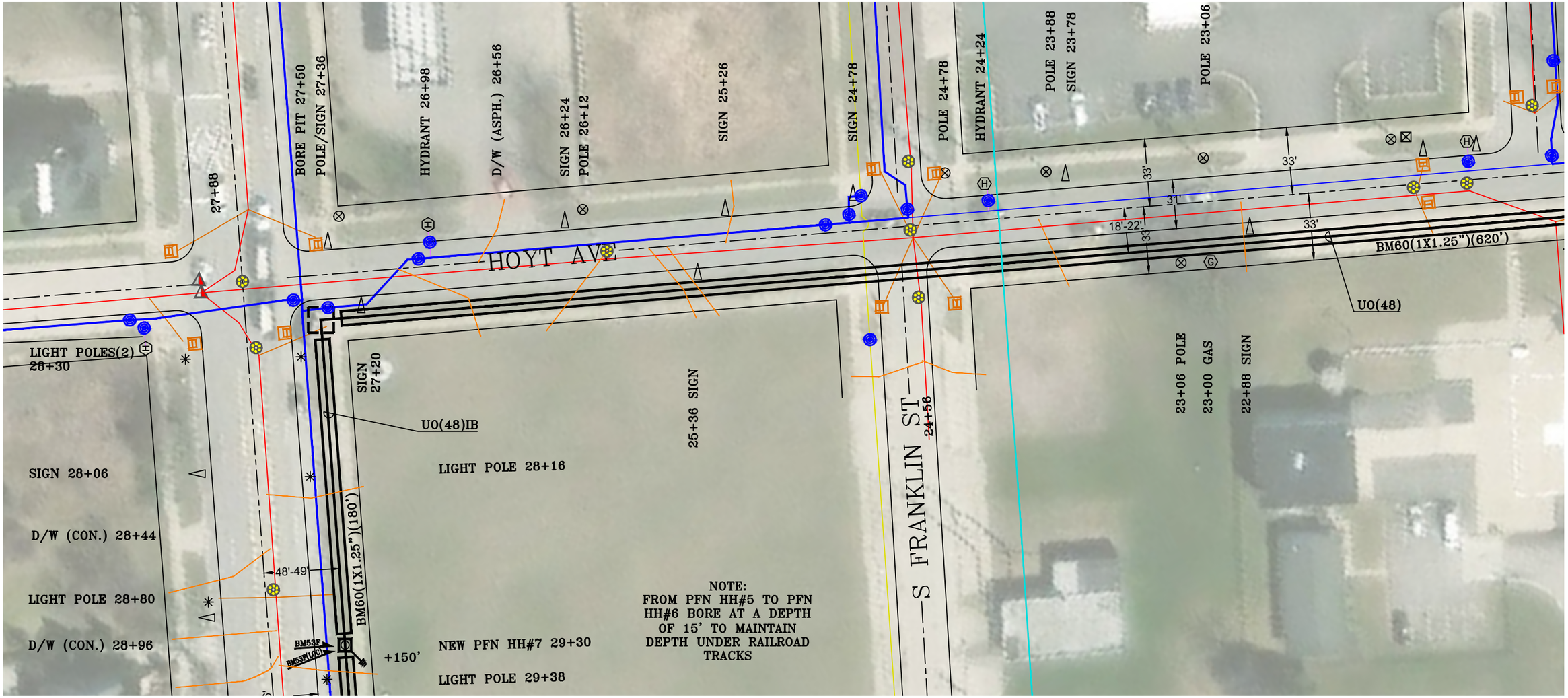
NOTES:

THIS STAKING SHEET DOES NOT SHOW ALL UNDERGROUND UTILITIES. THOSE THAT ARE SHOWN ARE SHOWN IN RELATIVE POSITION ONLY. THE SHEET DOES NOT SPECIFY NUMBER OF UTILITIES, TYPE, OR EXACT LOCATION. IT IS CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

PENINSULA FIBER NETWORK

Exchange:	
Serving Area:	
Route:	
Twp:	Rng: / Sec:
County: SAGINAW	Tax District:
Project:	Sheet: 03 of 06
Job Order: 9401-25-2219	Scale: 1" = 50'
As Built:	Const. Sheet: of

SEE SHT. 03 OF 06



SEE SHT. 05 OF 06

PED OR POLE NUMBER	BM2(5/8)(8)	BM53F	BM53F(LOC)	BM60(1X 1.25")	BMSC(48)	UH2 24X36X 36	UO(48)
PFN HH#7	1	1	1	800	150	1	800
	1	1	1	800	150	1	800

PED OR POLE NUMBER	SUB NUMBER

Filename: SS-9401-25-2219
Engineer: E.L.
Drafter: L. BRYANT
Last accessed: 03/19/26
Time: 12:02 PM
Prepared By: JSI

PFN
PENINSULA FIBER NETWORK

NOTES:

THIS STAKING SHEET DOES NOT SHOW ALL UNDERGROUND UTILITIES. THOSE THAT ARE SHOWN ARE SHOWN IN RELATIVE POSITION ONLY. THE SHEET DOES NOT SPECIFY NUMBER OF UTILITIES, TYPE, OR EXACT LOCATION. IT IS CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

PENINSULA FIBER NETWORK

Exchange:
Serving Area:
Route:
Twp: | Rng: | Sec:
County: SAGINAW | Tax District:
Project: | Sheet: 04 of 06
Job Order: 9401-25-2219 | Scale: 1" = 50'
As Built: | Const. Sheet: of

Exhibit B

Bond

Council Communication

Item Number: 29.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Raw Water Pipeline Assessment

Prepared By: Michael (Mike) Grenier, Director of Water/Wastewater Treatment

Manager's Recommendation:

Approve the purchase with the Saginaw-Midland Municipal Water Supply Corporation for $7,753 for one-third of the cost of a pre-engineering assessment of the raw water pipeline for the Water and Wastewater Treatment Services Department, Water Treatment Plant.

Justification:

In August of 2025, several breaks occurred in the SMMWSC raw water pipeline that services the City of Midland. During repairs, contractors discovered that the pipeline was much more deteriorated than expected for its age, and an assessment of the entire pipeline from SMMWSC to both the City of Midland and the City of Saginaw is needed. By teaming together on this assessment, all three entities will save funds on the mobilization costs. Spicer Engineering was selected to do the pre-engineering to evaluate technologies and companies to perform this assessment. The total cost of this pipeline assessment, $23,259.00, is being split evenly between the City of Saginaw, City of Midland, and SMMWSC.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operations and Maintenance Fund, Raw Water Division, Operating Services Account No. 591-545.00-805.000.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 30.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Ratification of Emergency Purchase – Communication Radio System

Prepared By: Brian Vandemark, Instrumentation and Controls Administrator

Manager's Recommendation:

Ratification of an emergency purchase with Drew Wireless LLC for an amount not to exceed $3,500 for repairs to the radio system at the Kochville Station for the Water and Wastewater Treatment Services Department, Instrumentation and Process Controls Division.

Justification:

On May 20, 2026, emergency purchase order #524878 was issued to Drew Wireless LLC for the purchase and installation of a new radio system to replace the failed unit at the Water Treatment Division's Kochville Raw Water Reservoir and Pumping Station. The old radio system tower was struck by lightning during a storm on May 16, 2026. This radio system allows operators at the Water Treatment Plant to communicate and control the Kochville Station. This system is critical to operations at the Water Treatment Plant. Quotes were requested, and Drew Wireless was the only company to respond.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operations and Maintenance Fund, Instrumentation and Controls Division's Professional Services Account No. 591-539.01-801.000.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 31.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Thermo Scientific Heratherm Microbiological Incubator

Prepared By: Emily Bourdow-Hewitt, Chief Chemist

Manager's Recommendation:

Approve the purchase with Jade Scientific, Inc. for $7,697 for a Thermo Scientific Heratherm Microbiological Incubator for the Water and Wastewater Treatment Services Department, Water Treatment Division.

Justification:

The Water Treatment Plant performs various bacteriological methods required by the Department of Environment, Great Lakes and Energy for which a floor-standing microbiological incubator is required. This incubator is replacing an obsolete microbiological incubator that is over 20 years old. On May 19, 2026, one qualified bid was received.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operation and Maintenance Fund, Treatment and Pumping Division's Laboratory Equipment Account No. 591-542.01-977.000.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 32.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Ferric Chloride Minibulk Purchase

Prepared By: John Frollo, Superintendent of Wastewater Treatment

Manager's Recommendation:

Approve the purchase with PVS Minibulk, Inc. for $92,250 for FY 2027 and FY 2028, pending budget approval, for Ferric Chloride for the Water and Wastewater Treatment Services Department, Wastewater Treatment and Pumping Division.

Justification:

On May 22, 2023, City Council approved a three-year agreement with PVS Minibulk, Inc. for Ferric Chloride at a unit price of $0.3690 per pound, including their mini bulk storage tank. On January 28, 2026, they agreed to extend the agreement and pricing through June 30, 2028. This extension allows the City to maintain stable, predictable costs for an essential treatment chemical.

Ferric chloride is required for phosphorus removal and for maintaining compliance with the National Pollutant Discharge Elimination System (NPDES) permit. A reliable and consistent supply is vital to uninterrupted treatment performance, and PVS has consistently demonstrated dependable delivery and high product quality.

In addition, PVS provides and maintains a mini-bulk storage tank through a small surcharge included in the unit price. They are the only ferric chloride supplier in Michigan offering this service. By owning and maintaining the tank, PVS assumes the related regulatory responsibilities, which reduces the facility’s administrative burden and operational risk.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing,” of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Sewer Operations and Maintenance Fund, Treatment & Pumping Division’s Chemicals Account No. 590-542.02-727.000 for FY 2027 and will be budgeted in the same account for FY 2028, pending budget approval.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 33.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: 1-Year Extension of Powdered Activated Carbon Purchase

Prepared By: Amanda Kiel, Assistant Superintendent of Water Treatment

Manager's Recommendation:

Approve the purchase with Jacobi Carbons, Inc. for $118,450 for 115,000 pounds of Powdered Activated Carbon for FY 2027 for the Water and Wastewater Treatment Services Department, Water Treatment Division.

Justification:

Powdered Activated Carbon is used to assist in the elimination of organic and chemical impurities that affect the taste and odor of water. On April 29, 2025, sealed bids were opened. The bid pricing ends June 30, 2026. Jacobi Carbons, Inc. has agreed to extend the previous bid pricing for FY 2027. Pricing, including tariffs, will remain unchanged at $1.03 per pound.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operations and Maintenance Fund, Treatment & Pumping Division's Chemicals Account No. 591-542.01-727.000 for FY 2027.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 34.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: 1-Year Extension of Liquid PolyDADMAC Polymer Purchase, Joint Bid

Prepared By: Amanda Kiel, Assistant Superintendent of Water Treatment

Manager's Recommendation:

Approve the purchase with Polydyne Inc. for $28,350 for 27,000 pounds of Liquid PolyDADMAC for FY 2027 for the Water and Wastewater Treatment Services Department, Water Treatment Division.

Justification:

Liquid PolyDADMAC Polymer is used as a coagulant aid to improve the removal of suspended particles in the water treatment process. The Cities of Saginaw and Bay City issued a joint bid for chemical purchases. On May 7, 2024, sealed bids were opened. The bid pricing ended June 30, 2025. Polydyne Inc. agreed to extend the previous bid pricing for FY 2026 and has agreed to extend again for FY 2027. Pricing will remain unchanged at $1.05 per pound.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operations and Maintenance Fund, Treatment & Pumping Division's Chemicals Account No. 591-542.01-727.000 for FY 2027.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 35.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: 1-Year Extension of Ferric Chloride Purchase

Prepared By: Amanda Kiel, Assistant Superintendent of Water Treatment

Manager's Recommendation:

Approve the purchase with PVS Technologies, Inc. for $261,510 for 230 tons of Ferric Chloride for FY 2027 for the Water and Wastewater Treatment Services Department, Water Treatment Division.

Justification:

Ferric Chloride is used as the primary coagulant in the water treatment process to improve particulate removal. On April 29, 2025, sealed bids were opened. The bid pricing ends June 30, 2026. PVS Technologies, Inc. has agreed to extend the previous bid pricing for FY 2027. Pricing will remain unchanged at $1,137.00 per ton.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operations and Maintenance Fund, Treatment & Pumping Division's Chemicals Account No. 591-542.01-727.000 for FY 2027.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 36.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: 1-Year Extension of Sodium Hypochlorite Purchase

Prepared By: Amanda Kiel, Assistant Superintendent of Water Treatment

Manager's Recommendation:

Approve the purchase with JCI Jones Chemical, Inc. for $225,700 for 132,000 gallons of Sodium Hypochlorite for FY 2027 for the Water and Wastewater Treatment Services Department, Water Treatment Division.

Justification:

Sodium Hypochlorite is used at the Water Treatment Plant for disinfection during the water treatment process. On April 29, 2025, four qualified vendors submitted bids. The bid was awarded to JCI Jones Chemical, Inc. The bid pricing ends June 30, 2026. JCI has agreed to extend the previous bid pricing for FY 2027. Pricing will remain unchanged at $1.71 per gallon.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operations and Maintenance Fund, Treatment & Pumping Division's Chemicals Account No. 591-542.01-727.000 for FY 2027.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 37.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Liquid Chlorine Purchase

Prepared By: John Frollo, Superintendent of Wastewater Treatment

Manager's Recommendation:

Approve the purchase with JCI Jones Chemical, Inc. for $97,200 for FY 2027 for Liquid Chlorine for the Water and Wastewater Treatment Services Department, Treatment and Pumping Division.

Justification:

On May 6, 2024, JCI Jones Chemical, Inc. was awarded the contract for Liquid Chlorine at a unit price of $1,620 per ton for FY 2025 and agreed to extend their FY 2025 bid prices for FY 2026. On March 20, 2026, JCI Jones Chemical agreed to further extend its FY 2025 bid prices to FY 2027.

Liquid chlorine is essential to the Wastewater Treatment Division’s operations, where it is used to disinfect treated effluent prior to discharge into the Saginaw River. This disinfection process is required by the Michigan Department of Environment, Great Lakes, and Energy and is a condition of the City’s National Pollutant Discharge Elimination System (NPDES) permit.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing,” of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Sewer Operations and Maintenance Fund, Treatment and Pumping Division, Chemicals Account No. 590-542.02-727.000 for FY 2027.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 38.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Sodium Hypochlorite Purchase

Prepared By: Amanda Kiel, Assistant Superintendent of Water Treatment

Manager's Recommendation:

Approve the purchase with JCI Jones Chemical, Inc. for $350,000 for FY 2027 for Liquid Sodium Hypochlorite for the Water and Wastewater Treatment Services Department, Treatment and Pumping Division.

Justification:

On May 6, 2024, JCI Jones Chemical, Inc. was awarded the contract for Liquid Sodium Hypochlorite at a unit price of $2.00 per gallon for FY 2025 and agreed to extend their FY 2025 bid prices for FY 2026. On March 20, 2026, JCI Jones Chemical agreed to further extend their FY 2025 bid prices to FY 2027.

Sodium hypochlorite is used at the Remote Treatment Facilities to disinfect water discharged during storm events. This disinfection process is required to protect receiving waters and to ensure compliance with the National Pollutant Discharge Elimination System (NPDES) permit.

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Sewer Operations and Maintenance Fund, Remote Facilities Division, Chemicals Account No. 590-548.00-727.000 for FY 2027.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 39.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Sodium Percarbonate Purchase

Prepared By: Amanda Kiel, Assistant Superintendent of Water Treatment

Manager's Recommendation:

Approve the purchase with Cygnet Enterprises for $8,460 for 6,000 pounds of Sodium Percarbonate for FY 2027 for the Water and Wastewater Treatment Services Department, Water Treatment Division.

Justification:

Sodium Percarbonate is used to treat algae growth in the Lake Linton and Kochville raw water reservoirs. On April 21, 2026, the City received bids for FY 2027. The low bid of $1.41 per pound is the same price as FY 2026. Following is a tabulation of the bids received on April 21, 2026:

Vendor	Per Pound	Total Bid
Cygnet Enterprises Flint, MI	$1.41	$8,460.00
Water Solution Unlimited Camby, IL	$1.65	$9,900.00

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operations and Maintenance Fund, Treatment & Pumping Division's Chemicals Account No. 591-542.01-727.000 for FY 2027.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 40.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: Calcium Oxide Purchase

Prepared By: Amanda Kiel, Assistant Superintendent of Water Treatment

Manager's Recommendation:

Approve the purchase with Graymont Western Lime, Inc. for $67,200 for 280 tons of Calcium Oxide for FY 2027 for the Water and Wastewater Treatment Services Department, Water Treatment Division.

Justification:

Calcium Oxide (Lime) is used in the treatment of water for pH adjustment and corrosion control. On April 21, 2026, the City received bids for FY 2027. The low bid of $240.00 per ton is a decrease of 1.8% from Fiscal Year 2026. Following is a tabulation of the bids received on April 21, 2026:

Vendor	Per Ton	Total Bid
Graymont Western Lime West Bend, WI	$240.00	$67,200.00
Carmeuse Lime, Inc. Pittsburgh, PA	$274.00	$76,720.00

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operations and Maintenance Fund, Treatment & Pumping Division's Chemicals Account No. 591-542.01-727.000 for FY 2027.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

Council Communication

Item Number: 41.

Date: June 8, 2026

From: Timothy Morales, City Manager

Subject: HACH TL2300 Turbidimeters

Prepared By: Emily Bourdow-Hewitt, Chief Chemist

Manager's Recommendation:

Approve the purchase with Jade Scientific, Inc., for $8,486 for two HACH TL2300 Turbidimeters and supplies for the Water and Wastewater Treatment Services Department, Water Treatment Division.

Justification:

The City monitors turbidity of raw and treated water for treatment changes and regulatory reporting, as required by the Michigan Department of Environment, Great Lakes, and Energy. Two (2) HACH TL2300 Benchtop Turbidimeters with supplies will replace obsolete units purchased in 2013. On May 19, 2026, the following qualified bids were received:

	Total Bid
Jade Scientific, Inc. Westland, MI	$8,485.20
Pacific Star Corporation Houston, TX	$9,352.22
HACH Company Loveland, CO	$9,610.75
Pollardwater Newport News, VA	$10,220.00
Taza Supplies Inc. South Holland, IL	$11,760.00

This vendor meets all requirements of §14.33, "Vendors," of "Purchasing, Contracting, and Selling Procedure," of Chapter 14, "Finance and Purchasing," of Title I, "Administrative Code," of the Saginaw Code of Ordinances, O-204.

Funds are budgeted in the Water Operation and Maintenance Fund, Treatment and Pumping Division's Laboratory Equipment Account No. 591-542.01-977.000.

Council Action:

Motion to approve the recommendation of the City Manager.

Attachments:

None

ORDINANCE O-1

Moved by Council Member _____, seconded by Council Member _____ to adopt an ordinance introduced April 27, 2026, entitled and reading as follows, be taken up and enacted:

O- _____

AN ORDINANCE TO AMEND §99.10 “USE OF CITY-OWNED REGIONAL PARKS, COMMUNITY PARKS AND NEIGHBORHOOD PARKS” OF CHAPTER 99, “SPECIAL EVENTS REGULATIONS,” OF TITLE IX, “GENERAL REGULATIONS,” OF THE CITY OF SAGINAW CODE OF ORDINANCES, O-204 AND THE OFFICIAL CITY MAP BY RENAMING WEADOCK PARK TO WEADOCK-ROOKER PARK FROM WEADOCK PARK, BLK. 43, GLASBY, GALLAGHER AND LITTLES ADDITION.

The City of Saginaw Ordains:

Section 1. An ordinance to amend §99.10 “Use of City-Owned Regional Parks, Community Parks and Neighborhood Parks” of Chapter 99, “Special Events Regulations,” of Title IX, “General Regulations,” of the City of Saginaw Code of Ordinances, O-204 and the official city map by renaming Weadock Park to Weadock-Rooker Park from WEADOCK PARK, BLK. 43, GLASBY, GALLAGHER AND LITTLES ADDITION.

Section 2. This ordinance shall take effect on June 18, 2026. Enacted: June 8, 2026.

Yeas:
Nays:
Absent:

ORDINANCE DECLARED ADOPTED

_____ _____

Brenda F. Moore
Mayor

Kristine Bolzman, MiPMC/CMC
City Clerk

I, Kristine Bolzman, City Clerk of the City of Saginaw, Michigan, do hereby certify that the foregoing is a true and complete copy of the ordinance adopted by the City of Saginaw, Saginaw County, State of Michigan, at a public meeting held on June 8, 2026 the original thereof is on file in the records of my office; the meeting was conducted and public notice of said meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1976, as amended, and minutes of this meeting were kept and will be made available as required.

_____
Kristine Bolzman, MiPMC/CMC
City Clerk

RESOLUTION R-1

Charitable Gaming License for the
Saginaw Community Food Club & Kitchen

Moved by _____, seconded by Council Member _____ to offer and adopt the following resolution:

WHEREAS: the Saginaw Community Food Club & Kitchen has submitted a request, Petition #26-07, to be recognized as a nonprofit organization for purposes of obtaining a charitable gaming license; and

WHEREAS: the Michigan Bureau of State Lottery, pursuant to MCL 432.103a, requires a resolution be adopted by the local governing body approving this recognition.

NOW, THEREFORE BE IT RESOLVED that the request from the Saginaw Community Food Club & Kitchen, in the City of Saginaw and County of Saginaw, asking that they be recognized as a nonprofit organization operating in the community for the purpose of obtaining charitable gaming licenses, be considered approved.

Ayes:
Nays:
Absent:

RESOLUTION DECLARED ADOPTED

I, Kristine Bolzman, City Clerk of the City of Saginaw, Michigan, do hereby certify that the foregoing is a true and complete copy of the resolution adopted by the City of Saginaw, Saginaw County, State of Michigan, at a public meeting held on June 8, 2026; the original thereof is on file in the records of the Office of the City Clerk; the meeting was conducted and public notice of said meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1976, as amended, and minutes of this meeting were kept and will be made available as required.

_____
Kristine Bolzman, MiPMC/CMC
City Clerk

RESOLUTION R-2

Appointment of the Trustee and Alternate Trustee to the Mid-Michigan Waste Authority Board

Moved by Council Member _____, seconded by Council Member _____ to adopt the following resolution:

WHEREAS: the City of Saginaw has previously joined the Mid-Michigan Waste Authority, hereafter "Authority", and is a constituent municipality pursuant to the Articles of Incorporation adopted by the Authority; and

WHEREAS: each constituent municipality is required to periodically designate a constituent member and alternate constituent member to serve on the authority Board of Trustees.

WHEREAS: Travis Hare is replacing Beth London as the Alternate Member for the remainder of her 4-year term to expire December 31, 2026.

NOW, THEREFORE, BE IT RESOLVED, by the City of Saginaw City Council as follows:

1. The following are hereby appointed as constituent member and alternate constituent member, respectively, of this City:
   Constituent Member: Phillip Karwat
   Alternate Member: Travis Hare

2. The above appointed constituent member and alternate constituent member will serve the remainder of a four (4) year term, to December 31, 2026, or until otherwise replaced by the City Council.

Ayes:
Nays:
Absent:

RESOLUTION DECLARED ADOPTED

I, Kristine Bolzman, City Clerk of the City of Saginaw, Michigan, do hereby certify that the foregoing is a true and complete copy of the resolution adopted by the City of Saginaw, Saginaw County, State of Michigan, at a public meeting held on June 8, 2026; the original thereof is on file in the records of my office; the meeting was conducted and public notice of said meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1976, as amended, and minutes of this meeting were kept and will be made available as required.

_____
Kristine Bolzman, MiPMC/CMC
City Clerk

RESOLUTION R-3

Ballot Language for Proposed City Charter Amendment to Section 45

Moved by Council Member_____, seconded by Council Member _____ to adopt the following resolution:

Whereas: Section 45 of Chapter VII, General Finance, presently reads as follows:

> Adoption of Budget, Tax Limit
>
> Section 45. The council shall, by resolution, determine and adopt the budget and make the appropriations for the next fiscal year and shall provide, by resolution, for a tax levy of the amount necessary to be raised by taxation at least thirty (30) days prior to the first day of the upcoming fiscal year. The amount of property taxes which may be levied by the city in any year shall not exceed three-quarters of one percent (.75 of 1%) of the assessed valuation as equalized of all taxable real and personal property in the city. If the assessed value of all property in the city as determined on the first Monday in May, 1979, is increased in subsequent years for any reason, the maximum millage rate provided herein shall be permanently reduced to yield the same gross dollar revenue as the fiscal 1978-79 property tax revenue yield.
>
> This limit may be exceeded up to three-tenths of one percent (.3 of 1%) of the assessed value over the maximum limit provided herein as reduced only if the mayor declares a specific emergency, the dollar amount of the emergency and the portion of such dollar amount that is needed from property taxes, and the council thereafter, by a three-quarters recorded vote of the full council, declares an emergency in accordance with the specifics of the mayor's request. The millage limit may be exceeded only during the fiscal year for which the emergency is declared. Millage levied pursuant to Article 9, Section 6, 1963 Michigan Constitution, is exempt from these limitations.

Whereas: Section 45 of Chapter VII, General Finance, regarding the dollar tax limit, has restricted tax revenues and the council therefore suggests that Section 45 be amended to read as follows:

> Adoption of Budget, Tax Limit
>
> Section 45. The council shall, by resolution, determine and adopt the budget and make the appropriations for the next fiscal year and shall provide, by resolution, for a tax levy of the amount necessary to be raised by taxation at least thirty (30) days prior to the first day of the upcoming fiscal year. The amount of property taxes which may be levied by the city in any year shall not exceed three-quarters of one percent (.75 of 1%) of the assessed valuation as equalized of all taxable real and personal property in the city.
>
> This limit may be exceeded up to three-tenths of one percent (.3 of 1%) of the assessed value over the maximum limit provided herein as reduced only if the mayor declares a specific emergency, the dollar amount of the emergency and the portion of such dollar amount that is needed from property taxes, and the council thereafter, by a three-quarters recorded vote of the full council, declares an emergency in accordance with the specifics of the mayor's request. The millage limit may be exceeded only during the fiscal year for which the emergency is declared. Millage levied pursuant to Article 9, Section 6, 1963 Michigan Constitution, is exempt from these limitations.

Whereas: the City Council of the City of Saginaw believes it would promote fair, equitable and good government to place an amendment of the above-cited City Charter provision before the qualified electors of the City of Saginaw to amend Section 45 of Chapter VII, General Finance.

Now, Therefore, Be It Resolved: that the statement of purpose and ballot question of such amendment be designated on the ballot to read as follows:

PROPOSAL 1

Proposed City Charter Amendment to Section 45

The present section limits the property tax rate to the lesser of 7.5 mills or that needed to yield the same revenue as was received in the 1978-1979 fiscal year ($3,828,778). It also provides for a temporary 3 mill additional tax for a declared emergency. The proposed amendment would eliminate the tax cap on the gross dollar amount of revenue that may be levied but otherwise maintains all other provisions, including the number of mills that may be levied.

Shall this proposal be adopted? YES_____
NO_____

Be It Further Resolved: by a 3/5 vote of the City Council of the City of Saginaw, that the proposition to amend Section 45 be submitted to the electors of the City of Saginaw at the general election to be held on Tuesday, November 3, 2026; and the City Clerk shall certify such ballot proposal language to the County Clerk and to perform all acts required by City Charter, ordinance and state law for the conduct of this election; and

Be It Further Resolved: that the ballot proposal shall be published in full at least once in the Saginaw News not less than ten (10) days prior to the General Election of Tuesday, November 3, 2026, and that a copy of the ballot proposal be posted in a conspicuous place in each polling place during said election.

Ayes:
Nays:
Absent:

Resolution Declared Adopted

I, Kristine Bolzman, City Clerk of the City of Saginaw, Michigan, do hereby certify that the foregoing is a true and complete copy of the resolution adopted by the City of Saginaw, Saginaw County, State of Michigan, at a public meeting held on June 8, 2026; the original thereof is on file in the records of my office; the meeting was conducted and public notice of said meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1976, as amended, and minutes of this meeting were kept and will be made available as required.

_____
Kristine Bolzman, MiPMC/CMC
City Clerk