

ADDENDUM No. 2

RFP No. 25-02

Annual Street Resurfacing Program

Due Date: February 12, 2025, by 10:00 a.m. (local time)

The information contained herein shall take precedence over the original documents and all previous addenda (if any) and is appended thereto. **This Addendum includes Seventy-eight (78) pages.**

The Proposer is to acknowledge receipt of this Addendum No. 1 by signing and submitting Attachment B, including all attachments in its Proposal by so indicating in the proposal that the addendum has been received. Proposals submitted without acknowledgement of receipt of this addendum may be considered non-conforming.

The following forms provided within the RFP Document should be included in submitted proposal:

- Attachment B – General Declarations
- Attachment D - Prevailing Wage Declaration of Compliance
- Attachment E - Living Wage Declaration of Compliance
- Attachment G - Vendor Conflict of Interest Disclosure Form
- Attachment H - Non-Discrimination Declaration of Compliance

Proposals that fail to provide these completed forms listed above upon proposal opening may be rejected as non-responsive and may not be considered for award.

I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the RFP documents which are outlined below are referenced to a page or Section in which they appear conspicuously. Changes highlighted in yellow reflect the changes made in the addendum. Offerors are to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

| Section/Page(s) | Change |
|--------------------------|---|
| Schedule of Pricing/Cost | Minor quantity revisions are highlighted and shown in bold. |
| Detailed Specification | Replace all Detailed Specifications with Addendum Special Detailed Package. <u>Update Detail Specifications:</u> Project Schedule; Structure Cover Adjustments; HMA Soil Erosion Wedge; HMA Driveway Wedging; Pavt Marking Special; Structure Cover Adjustments <u>Added Detailed Specifications:</u> Concrete Pavt, Rem; HMA Base Wedging; Concrete Raised Devices; All other Detailed Specials have not changed. |

Plan Set

Replace plan sheets in its entirety.

Updated:

Sheet 2: Shared Use Path in application table.

Sheet 6: Number color from red to black.

Sheet 7: Detour plan and signage table.

Sheet 9: Removed Storm Structure Cover Type K from table.

Sheet 14: Removed Storm Structure Cover Type K from table.

Sheet 15: Removed Storm Structure Cover Type K from table.

Sheet 17: Removed Storm Structure Cover Type K from table.

Sheet 18: Adjusted quantity for Storm Structure Cover Type K.

Sheet 20: Adjusted quantity for Storm Structure Cover Type K.

Sheet 24: Removed Storm Structure Cover Type K from table

Sheet 25: Removed Storm Structure Cover Type K from table

Sheet 26: Removed Storm Structure Cover Type K from table

Sheet 31: Removed Storm Structure Cover Type K from table

Sheet 33: Changed ROB to RAB in title.

Sheet 34: Removed Storm Structure Cover Type K from table

Sheet 34: Adjusted quantities in table. Removed Storm Structure Cover Type K from table.

Added:

Sheets 19-1 to 19-14: Independence Boulevard Sidewalk Gap Project Plans.

II. QUESTIONS AND ANSWERS

The following Questions have been received by the City. Responses are being provided in accordance with the terms of the RFP. Respondents are directed to take note in its review of the documents of the following questions and City responses as they affect work or details in other areas not specifically referenced here.

Question 1: Is the pre-bid meeting notes being shared?

Answer 1: Yes, see attached pre-bid meeting notes.

Question 2: Is the bid tab available in excel format?

Answer 2: Yes. It will be shared upon emailed request.

Offerors are responsible for any conclusions that they may draw from the information contained in the Addendum.

E. Schedule of Pricing/Cost – 20 Points

Project: Annual Street Resurfacing Project

RFP No.: 25-02

Company: _____

Unit Price Bid

| <u>Item No.</u> | <u>Item Description</u> | <u>Unit</u> | Estimated | | <u>Unit Price</u> | <u>Total Price</u> |
|------------------------|---|--------------------|------------------------|--|--------------------------|---------------------------|
| | | | <u>Quantity</u> | | | |
| 1000.00 | General Conditions, Max. \$250,000 | LS | 1 | | \$ _____ | \$ _____ |
| 1000.71 | DS_Mailbox, Rem, Temp Relocate & Reinstall | Ea | 11 | | \$ _____ | \$ _____ |
| 1000.72 | DS_Vacuum Type Cleaning, Max \$25,000 | LS | 1 | | \$ _____ | \$ _____ |
| 1001.00 | Project Supervision, Max \$50,000 | LS | 1 | | \$ _____ | \$ _____ |
| 1021.00 | Erosion Control, Inlet Protection, Fabric Drop | Ea | 184 | | \$ _____ | \$ _____ |
| 1022.00 | Erosion Control, Silt Fence | Ft | 69 | | \$ _____ | \$ _____ |
| 1040.00 | Minor Traffic Control, Max \$140,000 | LS | 1 | | \$ _____ | \$ _____ |
| 1041.00 | Traffic Regulator Control, Modified | Hrs | 1,400 | | \$ _____ | \$ _____ |
| 1050.00 | Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 947 | | \$ _____ | \$ _____ |
| 1051.00 | Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 804 | | \$ _____ | \$ _____ |
| 1051.71 | DS_Sign, Type IIIB | Sft | 210 | | \$ _____ | \$ _____ |
| 1051.72 | DS_Perforated Steel Square Tube Breakaway System | Ea | 28 | | \$ _____ | \$ _____ |
| 1052.00 | Temporary "No Parking" Sign | Ea | 715 | | \$ _____ | \$ _____ |
| 1062.00 | Lighted Arrow, Type C, Furn & Oper | Ea | 6 | | \$ _____ | \$ _____ |
| 1070.00 | Sign, Portable, Changeable Message, Furn & Oper | Ea | 6 | | \$ _____ | \$ _____ |
| 1080.00 | Plastic Drum, High Intensity, Lighted, Furn & Oper | Ea | 20 | | \$ _____ | \$ _____ |
| 1081.00 | Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 555 | | \$ _____ | \$ _____ |
| 1091.00 | Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 26 | | \$ _____ | \$ _____ |
| 1100.00 | Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 28 | | \$ _____ | \$ _____ |
| 1103.00 | Temporary Pedestrian Mat, Furn & Oper | Ft | 330 | | \$ _____ | \$ _____ |
| 2000.71 | DS_Tree Trimming, Allowance | Dlr | 1 | | \$ <u>50,000</u> | \$ _____ |
| 2010.00 | Stump, Rem | Ea | 4 | | \$ _____ | \$ _____ |
| TOTAL THIS PAGE | | | | | | \$ _____ |

| <u>Item No.</u> | <u>Item Description</u> | <u>Unit</u> | <u>Estimated Quantity</u> | <u>Unit Price</u> | <u>Total Price</u> |
|-----------------|---|-------------|---------------------------|-------------------|--------------------|
| 2020.00 | HMA, Any Thickness, Rem | Syd | 4,523 | \$ _____ | \$ _____ |
| 2021.00 | HMA Surface, Rem | Syd | 4,303 | \$ _____ | \$ _____ |
| 2022.00 | HMA Patch, Rem | Syd | 113 | \$ _____ | \$ _____ |
| 2023.00 | Cold-Milling HMA Surface | Syd | 57,416 | \$ _____ | \$ _____ |
| 2023.71 | DS_Cold Milling, Plunge Cut | Syd | 654 | \$ _____ | \$ _____ |
| 2023.72 | DS_HMA Surface, Around Structure Cover, Rem | Ea | 31 | \$ _____ | \$ _____ |
| 2023.73 | DS_Cold Milling for Concrete Curb and Gutter Reveal | Syd | 643 | \$ _____ | \$ _____ |
| 2025.71 | DS_Concrete Pavt, Any Thickness, Rem, Pavt Repair | Syd | 896 | \$ _____ | \$ _____ |
| 2025.72 | DS_Concrete Pavt, Any Thickness, Rem Curb, Gutter, and Curb and Gutter, Any Type, Rem | Syd | 2,100 | \$ _____ | \$ _____ |
| 2030.00 | Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Ft | 12,172 | \$ _____ | \$ _____ |
| 2040.00 | Sign, Rem, Salv | Ea | 4 | \$ _____ | \$ _____ |
| 3001.71 | DS_Grading Roadway | Syd | 46,123 | \$ _____ | \$ _____ |
| 3001.72 | DS_Grading, Sidewalk, Ramp & Driveway Approach | Sft | 8,754 | \$ _____ | \$ _____ |
| 3022.00 | Undercutting, Type III | Cyd | 1,121 | \$ _____ | \$ _____ |
| 3022.71 | DS_Undercutting, Type IIC | Cyd | 80 | \$ _____ | \$ _____ |
| 3030.01 | Exploratory Excavation, (0-10' Deep), SD-TD-1 | Ea | 6 | \$ _____ | \$ _____ |
| 3030.03 | Exploratory Excavation, (0-10' Deep), SD-TD-2 | Ea | 2 | \$ _____ | \$ _____ |
| 3040.00 | Earth Excavation | Cyd | 320 | \$ _____ | \$ _____ |
| 5100.71 | DS_Sanitary Structure, Reconstruct | Ft | 2 | \$ _____ | \$ _____ |
| 5100.72 | DS_Sanitary Structure, Point | Ea | 6 | \$ _____ | \$ _____ |
| 4061.71 | DS_Sanitary Structure Cover, Adjust | Ea | 65 | \$ _____ | \$ _____ |
| 5100.71 | DS_Storm Structure Cover, Adjust | Ea | 43 | \$ _____ | \$ _____ |
| 5100.72 | DS_Storm Curb Inlet Adjust | Ea | 64 | \$ _____ | \$ _____ |
| 6000.01 | 12 In., CL IV RCP Storm Sewer, SD-TD-1 | Ft | 83 | \$ _____ | \$ _____ |
| TOTAL THIS PAGE | | | | | \$ _____ |

| <u>Item No.</u> | <u>Item Description</u> | <u>Unit</u> | <u>Estimated Quantity</u> | <u>Unit Price</u> | <u>Total Price</u> |
|-----------------|--|-------------|---------------------------|-------------------|--------------------|
| 6003.04 | 12 In., PE Storm Sewer, SD-TD-2 | Ft | 364 | \$ _____ | \$ _____ |
| 6030.04 | Storm Sewer Tap, 12 In. Dia | Ea | 6 | \$ _____ | \$ _____ |
| 6060.03 | Storm Inlet-Junction, 48 In., Dia., (0-8'deep) | Ea | 1 | \$ _____ | \$ _____ |
| 6070.01 | Storm Single Inlet, 24 In. ,Dia., (0-8'deep) | Ea | 57 | \$ _____ | \$ _____ |
| 6070.02 | Storm Single Inlet, 24In. ,Dia., Additional Depth | Ft | 5 | \$ _____ | \$ _____ |
| 6080.01 | Storm High Capacity Inlet, 48 In. Dia., (0-8'deep) | Ea | 1 | \$ _____ | \$ _____ |
| 6080.02 | Storm Structure 48 In. Dia., Additional Depth | Ft | 5 | \$ _____ | \$ _____ |
| 6120.03 | Storm Sewer Pipe, 12 in. Dia., Rem | Ft | 369 | \$ _____ | \$ _____ |
| 6150.00 | Storm Sewer Drop Structure, Rem | Ea | 46 | \$ _____ | \$ _____ |
| 6160.03 | Storm Structure Adjust, Additional Depth | Ft | 5 | \$ _____ | \$ _____ |
| 6160.71 | DS_Storm Structure Cover, Type K | Ea | 49 | \$ _____ | \$ _____ |
| 6160.72 | DS_Storm Structure Cover, Type Z | Ea | 2 | \$ _____ | \$ _____ |
| 6160.73 | DS_Storm Structure Cover, Type M5 | Ea | 3 | \$ _____ | \$ _____ |
| 6160.76 | DS_Storm Structure Cover, Type HC | Ea | 1 | \$ _____ | \$ _____ |
| 6170.71 | DS_Storm Structure, Reconstruct | Ft | 3 | \$ _____ | \$ _____ |
| 6170.72 | DS_Storm Structure, Point | Ea | 15 | \$ _____ | \$ _____ |
| 6180.02 | Underdrain, Subgrade, 6 inch | Ft | 690 | \$ _____ | \$ _____ |
| 7091.71 | DS_Water Structure Cover, Adjust | Ea | 11 | \$ _____ | \$ _____ |
| 7120.00 | Water Gate Valve Box, Adjust | Ea | 27 | \$ _____ | \$ _____ |
| 7121.00 | Curb Box, Adjust | Ea | 4 | \$ _____ | \$ _____ |
| 8010.03 | Aggregate Base, 8 In., 21AA, CIP | Syd | 2,100 | \$ _____ | \$ _____ |
| 8010.71 | DS_Aggregate Base Course, 21AA, CIP | Ton | 259 | \$ _____ | \$ _____ |
| 8050.71 | DS_Geotextile, Separator Fabric | Syd | 140 | \$ _____ | \$ _____ |
| 8051.71 | DS_Geotextile, Stabilization Fabric | Syd | 230 | \$ _____ | \$ _____ |
| 8052.71 | DS_Flowable Fill | Cyd | 31 | \$ _____ | \$ _____ |
| TOTAL THIS PAGE | | | | | \$ _____ |

| <u>Item No.</u> | <u>Item Description</u> | <u>Unit</u> | <u>Estimated Quantity</u> | <u>Unit Price</u> | <u>Total Price</u> |
|-----------------|--|-------------|---------------------------|-------------------|--------------------|
| 8060.00 | Hand Patching | Ton | 609 | \$ _____ | \$ _____ |
| 8070.14 | HMA, 4EL | Ton | 12,314 | \$ _____ | \$ _____ |
| 8070.19 | HMA, 5EML | Ton | 1,100 | \$ _____ | \$ _____ |
| 8070.71 | DS_HMA, Soil Erosion, Wedge | Ft | 218 | \$ _____ | \$ _____ |
| 8070.72 | DS_HMA, Driveway Wedging | Ton | 13 | \$ _____ | \$ _____ |
| 8070.73 | DS_HMA, Wedging, Variable Thickness | Ton | 26 | \$ _____ | \$ _____ |
| 8071.71 | DS_Shared use Path, Aggregate | Ton | 210 | \$ _____ | \$ _____ |
| 8071.72 | DS_Shared use Path, HMA | Ton | 140 | \$ _____ | \$ _____ |
| 8071.73 | DS_Shared use Path, Grading, Modified | Syd | 1,120 | \$ _____ | \$ _____ |
| 8071.74 | DS_Shared use Path, HMA, Wedging | Ton | 15 | \$ _____ | \$ _____ |
| 8080.01 | Conc Pavt, non-reinf, 6 inch | Syd | 190 | \$ _____ | \$ _____ |
| 8080.03 | Conc Pavt, non-reinf, 8 inch | Syd | 166 | \$ _____ | \$ _____ |
| 8100.71 | DS_Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height | Sft | 6 | \$ _____ | \$ _____ |
| 8110.00 | Conc, Curb or Curb & Gutter, All Types | Ft | 7,888 | \$ _____ | \$ _____ |
| 8120.01 | Conc, Driveway Opening, Type M | Ft | 4,403 | \$ _____ | \$ _____ |
| 8130.71 | Conc, Sidewalk, 4 inch | Sft | 9,827 | \$ _____ | \$ _____ |
| 8131.71 | Conc, Sidewalk or Ramp, 6 inch | Sft | 3,413 | \$ _____ | \$ _____ |
| 8131.72 | Conc, Drive Approach, 6 inch | Sft | 4,540 | \$ _____ | \$ _____ |
| 8131.73 | Conc, Sidewalk, Drive Approach, 8 inch | Sft | 696 | \$ _____ | \$ _____ |
| 8133.71 | DS_Pavt Joint and Crack Repr, Det 7 | Lft | 3,050 | \$ _____ | \$ _____ |
| 8140.00 | Brick Pavers, Sidewalk, Rem and Reinstall | Sft | 50 | \$ _____ | \$ _____ |
| 8140.71 | DS_Speed Hump, Conc | Syd | 1,022 | \$ _____ | \$ _____ |
| 8150.00 | Detectable Warning Surface | Ft | 290 | \$ _____ | \$ _____ |
| 8180.02 | Pavt Mrkg, Ovly Cold Plastic, Bike, Small Sym | Ea | 3 | \$ _____ | \$ _____ |
| 8180.03 | Pavt Mrkg, Ovly Cold Plastic, Bike Thru Arrow Sym | Ea | 3 | \$ _____ | \$ _____ |
| TOTAL THIS PAGE | | | | | \$ _____ |

| <u>Item No.</u> | <u>Item Description</u> | <u>Unit</u> | <u>Estimated Quantity</u> | <u>Unit Price</u> | <u>Total Price</u> |
|-----------------|---|-------------|---------------------------|-------------------|--------------------|
| 8180.04 | Pavt Mrkg, Ovly Cold Plastic, Sharrow Sym | Ea | 4 | \$ _____ | \$ _____ |
| 8190.01 | Pavt Mrkg, Polymer Cement Surface, Bike, Large Sym | Ea | 2 | \$ _____ | \$ _____ |
| 8190.02 | DS_Pavt Mrkg, Polymer Cement Surface, Bike, Small Sym | Ea | 2 | \$ _____ | \$ _____ |
| 8190.03 | DS_Pavt Mrkg, Polymer Cement Surface, Bike Thru Arrow Sym | Ea | 2 | \$ _____ | \$ _____ |
| 8190.06 | Pavt Mrkg, Polymer Cement Surface, Bike Lane Green | Sft | 930 | \$ _____ | \$ _____ |
| 8190.07 | DS_Pavt Mrkg, Polymer Cement Surface, Tan | Sft | 1,324 | \$ _____ | \$ _____ |
| 8200.07 | Pavt Mrkg, Polyurea, 12 In., Crosswalk | Ft | 1,144 | \$ _____ | \$ _____ |
| 8200.09 | Pavt Mrkg, Polyurea, 24 In., Stop Bar | Ft | 100 | \$ _____ | \$ _____ |
| 8200.13 | Pavt Mrkg, Polyurea, 6 In., White | Ft | 3,085 | \$ _____ | \$ _____ |
| 8200.14 | Pavt Mrkg, Polyurea, 6 In., Yellow | Ft | 2,394 | \$ _____ | \$ _____ |
| 8200.31 | Pavt Mrkg, Polyurea, Speed Hump Chevron, White | Ea | 108 | \$ _____ | \$ _____ |
| 8210.01 | Pavt Mrkg, Sprayable Thermopl, 4 In., White | Ft | 200 | \$ _____ | \$ _____ |
| 8210.02 | Pavt Mrkg, Sprayable Thermopl, 4 In., Yellow | Ft | 894 | \$ _____ | \$ _____ |
| 8220.01 | Pavt Mrkg, Thermopl, 12 In., Cross Hatching, White | Ft | 54 | \$ _____ | \$ _____ |
| 8220.03 | Pavt Mrkg, Thermopl, 12 In., Crosswalk | Ft | 2,601 | \$ _____ | \$ _____ |
| 8220.06 | Pavt Mrkg, Thermopl, 24 In., Stop Bar | Ft | 403 | \$ _____ | \$ _____ |
| 8220.07 | Pavt Mrkg, Thermopl, 4 In., For On-Street Parking, White | Ft | 4,456 | \$ _____ | \$ _____ |
| 8220.09 | Pavt Mrkg, Thermopl, Lt Turn Arrow Sym | Ea | 3 | \$ _____ | \$ _____ |
| 8220.11 | Pavt Mrkg, Thermopl, Rt Turn Arrow Sym | Ea | 1 | \$ _____ | \$ _____ |
| 8220.14 | Pavt Mrkg, Thermopl, Thru and Rt Turn Arrow Sym | Ea | 1 | \$ _____ | \$ _____ |
| 8220.19 | Pavt Mrkg, Thermopl, Only | Ea | 1 | \$ _____ | \$ _____ |
| 8220.71 | DS_Pavt Mrkg, Thermopl, Yield Triangle | Ea | 20 | \$ _____ | \$ _____ |
| 8230.00 | Pavt Mrkg, Preformed Thermopl, Accessible Sym | Ea | 5 | \$ _____ | \$ _____ |
| 8240.71 | DS_Pavt Mrkg, Waterborne, for Rest Areas, Parks, and Lots, 4 inch, Blue | Ft | 383 | \$ _____ | \$ _____ |
| 8252.00 | Recessing Pavt Mrkg, Transv | Sft | 3,888 | \$ _____ | \$ _____ |
| TOTAL THIS PAGE | | | | | \$ _____ |

| <u>Item No.</u> | <u>Item Description</u> | <u>Unit</u> | <u>Estimated Quantity</u> | <u>Unit Price</u> | <u>Total Price</u> |
|-----------------|-----------------------------------|-------------|---------------------------|-------------------|--------------------|
| 8300.73 | DS_Bikeway Delineator Post Black | Ea | 32 | \$ _____ | \$ _____ |
| 8300.71 | DS_Monument Box, Adjust | Ea | 2 | \$ _____ | \$ _____ |
| 8300.72 | DS_Bikeway Delineator Post Yellow | Ea | 11 | \$ _____ | \$ _____ |
| 8300.74 | DS_Raised Device Delineator | Ea | 54 | \$ _____ | \$ _____ |
| 10051.71 | DS_Irrigation System, Allowance | Dlr | 1 | \$ 40,000 | \$ _____ |
| 10060.00 | Turf Restoration | Syd | 3,354 | \$ _____ | \$ _____ |

TOTAL THIS PAGE \$ _____

TOTAL FROM PAGE 14 \$ _____

TOTAL FROM PAGE 15 \$ _____

TOTAL FROM PAGE 16 \$ _____

TOTAL FROM PAGE 17 \$ _____

TOTAL FROM PAGE 18 \$ _____

TOTAL BASE BID \$ _____



CITY OF ANN ARBOR ENGINEERING ANNUAL RESURFACING PROGRAM - 2025

RFP No. 25-02, FILE No. 2025-004

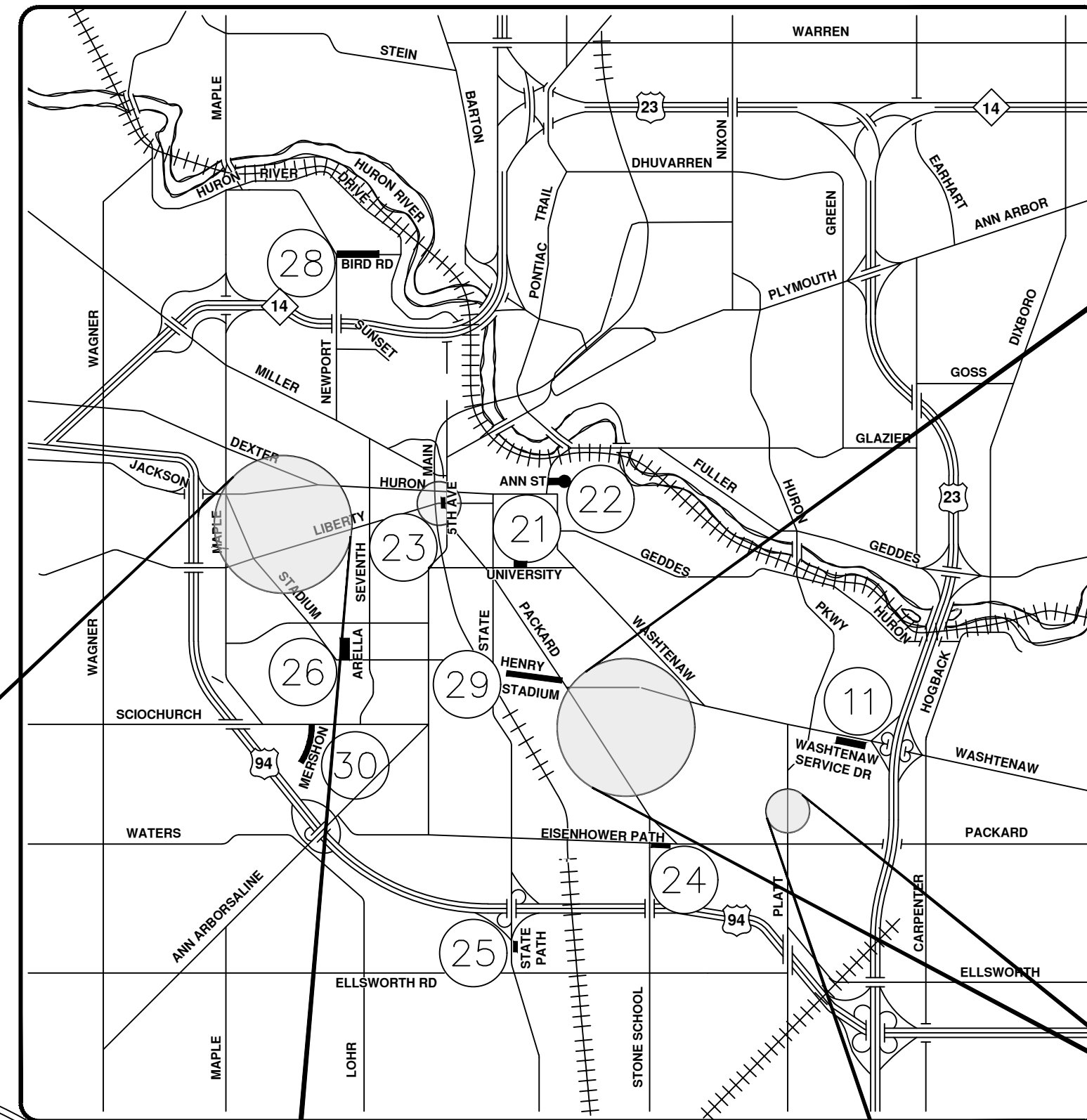
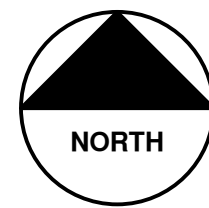
NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

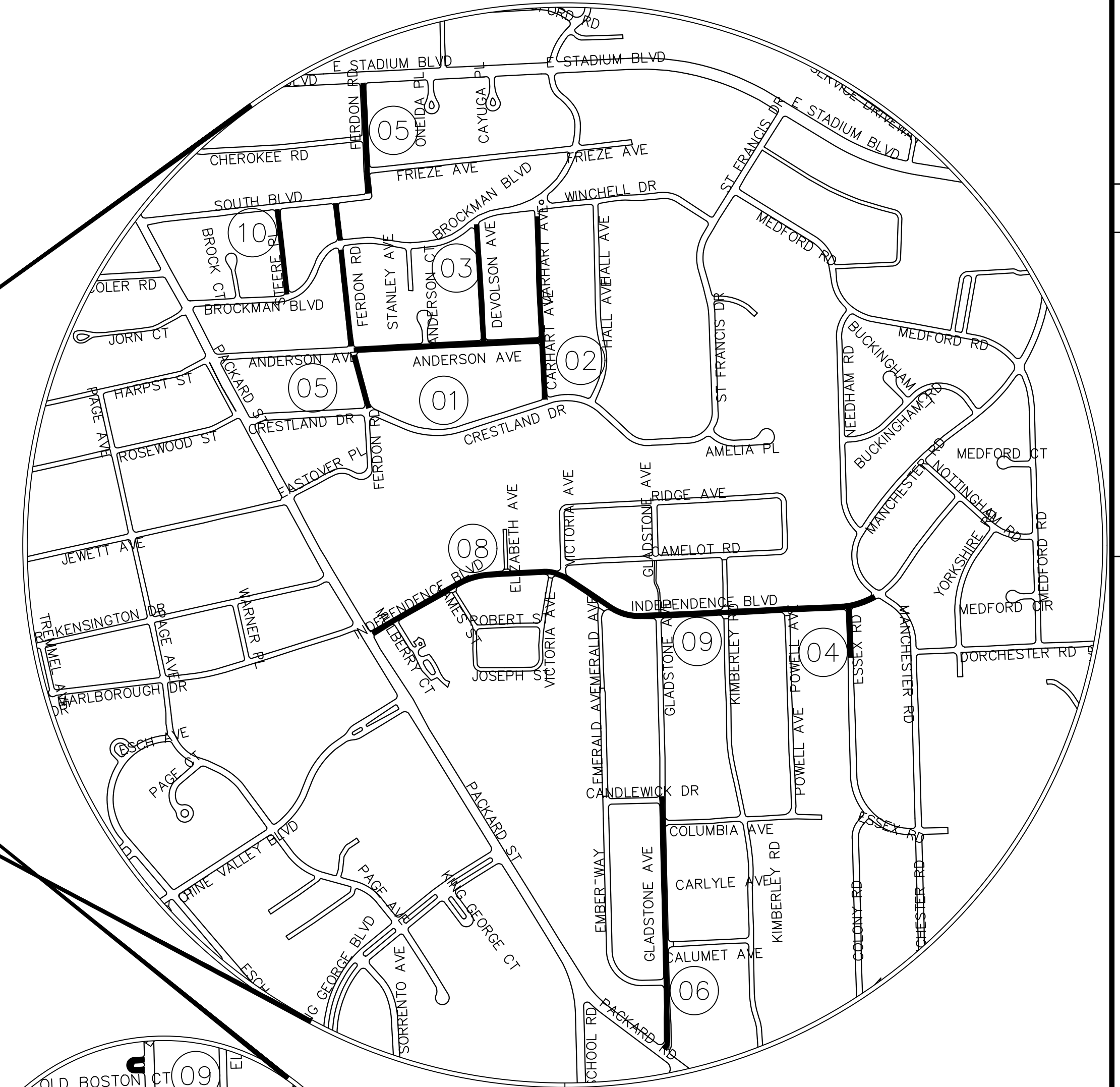
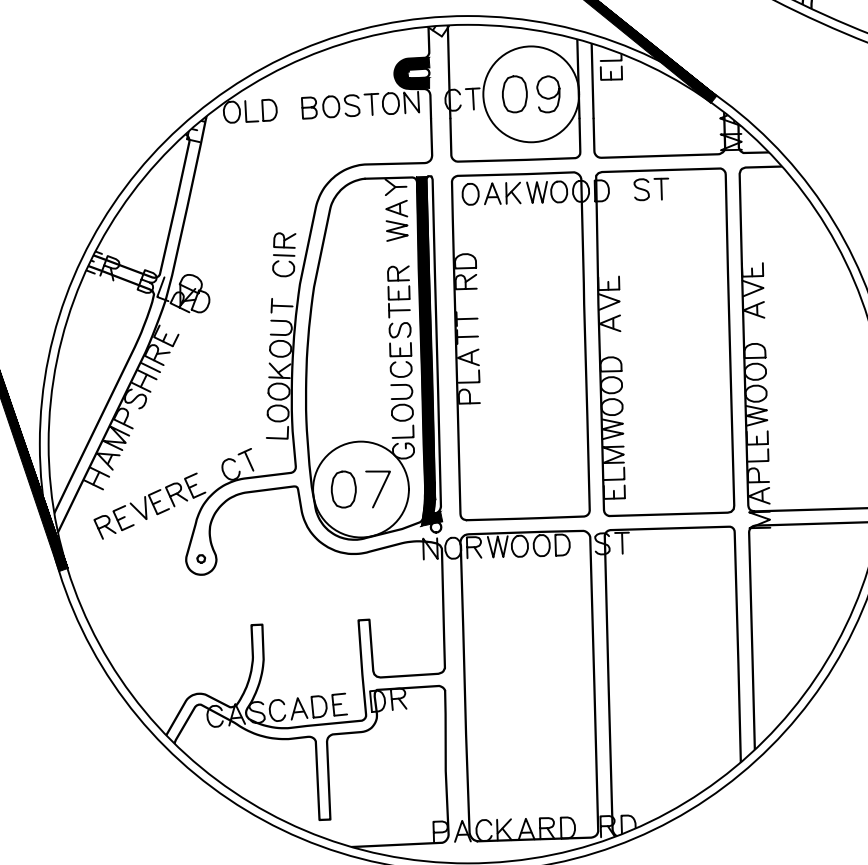
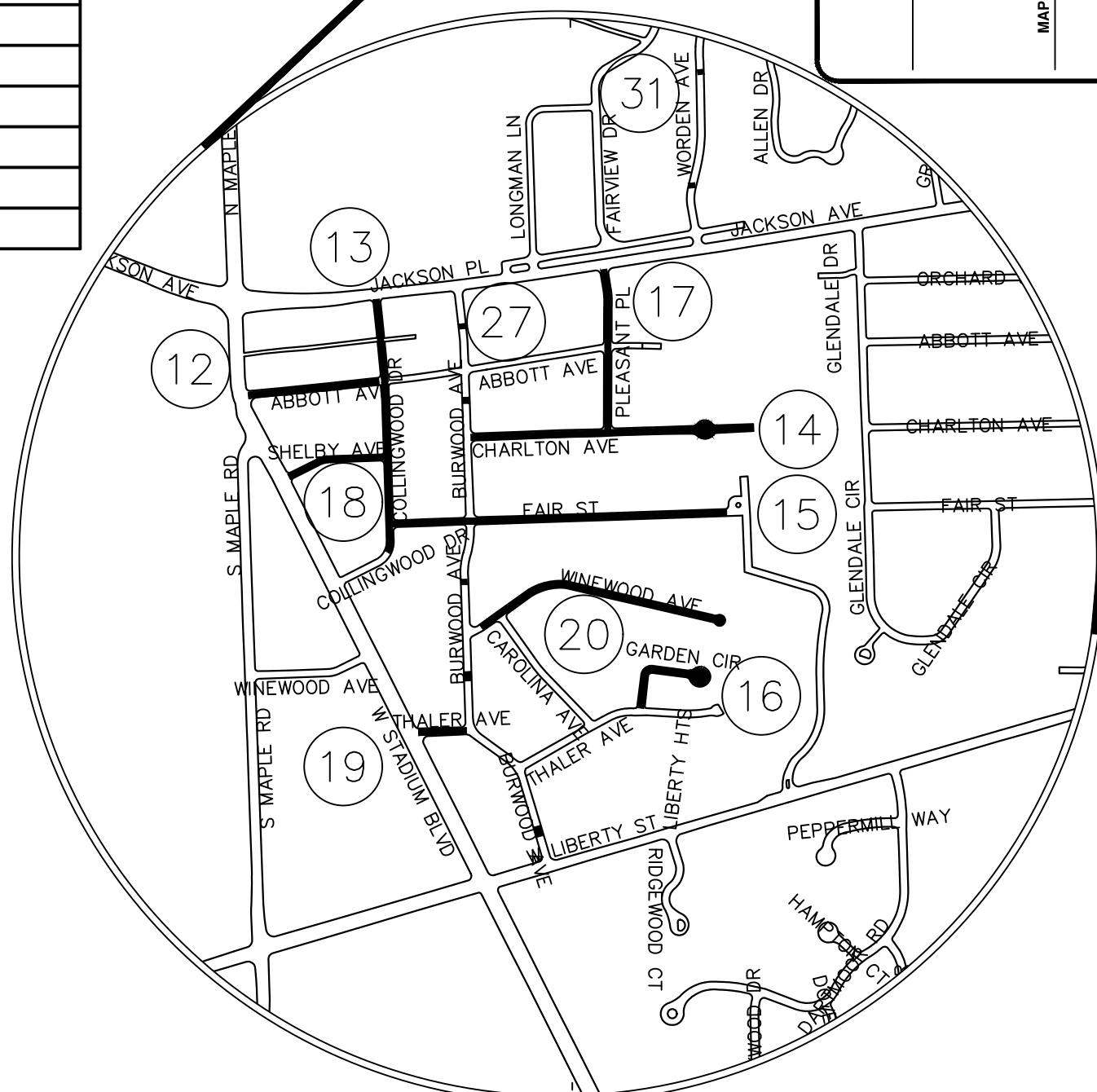
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

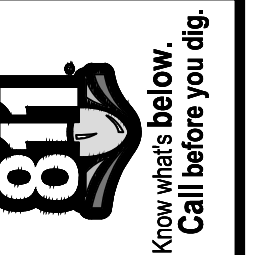
| SHEET LIST TABLE | | |
|---------------------|--------------|------------------------------|
| MAP LOCATION NUMBER | SHEET NUMBER | SHEET TITLE |
| | 1 | COVER SHEET |
| | 2 | STANDARD NOTES |
| | 3 | SESC NOTES AND DETAILS |
| | 4-5 | TRAFFIC DEVICES DETAILS |
| | 6-8 | MAINTENANCE OF TRAFFIC |
| 1 | 9 | ANDERSON AVE |
| 2 | 10-11 | CARHART AVE |
| 3 | 12 | DEVOLSON AVE |
| 4 | 13 | ESSEX AVE |
| 5 | 14-15 | FERDON RD |
| 6 | 16 | GLADSTONE AVE |
| 7 | 17 | GLOUCESTER WAY |
| 8 | 18-19 | INDEPENDENCE BLVD |
| 9 | 20 | OLD BOSTON CIRCLE |
| 10 | 21 | STEERE PL |
| 11 | 22 | WASHTENAW SERVICE DRIVE |
| 12 | 23 | ABBOT ST |
| 13 | 24 | COLLINGWOOD DR |
| 14 | 25 | CHARLTON ST |
| 15 | 26 | FAIR ST |
| 16 | 27 | GARDEN CIRCLE |
| 17 | 28 | PLEASANT PLACE |
| 18 | 29 | SHELBY AVE |
| 19 | 30 | THALER AVE |
| 20 | 31 | WINWOOD AVE |
| 21 | 32 | S. UNIVERSITY |
| 22 | 33-34 | E. ANN ST |
| 23 | 35-39 | S. FIFTH AVE |
| 24 | 40 | EISENHOWER PATH |
| 25 | 41 | STATE ST PATH |
| 26 | 42 | ARELLA BLVD TRAFFIC CALMING |
| 27 | 43 | BURWOOD AVE SPEED MANAGEMENT |
| 28 | 44 | BIRD RD TRAFFIC CALMING |
| 29 | 45 | HENRY ST TRAFFIC CALMING |
| 30 | 46 | MERSON DR TRAFFIC CALMING |
| 31 | 47 | WORDEN AVE TRAFFIC CALMING |



VICINITY MAP



T:\2025004\Plan Production\Cover Sheets\2025 Resurfacing Cover and Legend.dwg - _a2 standard bw.stb - Plot Date: 2/3/2025 11:57:54 AM



| REV. | DATE | DRAWN | CHECKED | DESCRIPTION |
|------|----------|----------|---------|-------------|
| 02 | 02/04/25 | RE/VO/DW | NB | ADDENDUM 2 |
| 01 | 01/22/25 | RE/VO/DW | NB | BID SET |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-6647
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
COVER SHEET
DRAWING No. 2025-004-1
SHEET No. 1 OF 47

© ANNUAL RESURFACING PROGRAM - 2025; RFP No. 25-02; 2025-004

T:\2025004\Plan Production\Cover Sheets\2025 Resurfacing Cover and Legend.dwg - a2 standard bw.stb - Plot Date: 2/3/2025 11:57:56 AM

CONSTRUCTION NOTES:

- Driveways and entrances to buildings, real property, and the like shall not be blocked except for short durations and only when approved by the Engineer. Vehicular and pedestrian access shall be maintained at all times. It shall be the Contractor's responsibility to coordinate all necessary driveway closures with the property owner(s) and resident(s) in the areas of construction.
- The location and depth of all existing utilities and service leads are to be field verified by the Contractor prior to construction.
- Location and depth of utilities as depicted on the plans is approximate and shown according to the best information available. It is the Contractor's responsibility to excavate ahead and adjust depth of conflict utilities accordingly. Any damage to utilities is the Contractor's responsibility to avoid and/or repair as necessary.
- The Contractor is to take special care to protect the existing water main and be responsible for maintaining consistent water service.
- During non-working hours no trench shall remain open; any open trench shall be properly secured with protective fencing. This work shall be included in the item of work "General Conditions".
- Trenches for new water services shall be excavated to MIOSHA and City of Ann Arbor Public Works requirements.
- City of Ann Arbor Public Works will install the corporation and copper service lead(s) to transfer the connection(s). If an existing water service is found to be failing or is not copper, the lead will be replaced to the curb box by Public Works.
- For the installation of corporations, or any other related activities, the Contractor shall not receive additional compensation for delays due to the scheduling of or coordination with the City of Ann Arbor Public Works.
- "No Parking" signs shall be installed by the Contractor at locations as approved or directed by the Engineer. All signs shall be installed in accordance with the detailed specifications.
- Postal delivery and refuse pickup service shall be maintained at all times by the Contractor.
- Where street curbs are undermined due to construction activities, they shall be removed and replaced as directed by the Engineer.
- The Contractor shall be responsible for the continuous maintenance of the temporary road surface and soil erosion control measures within the construction area until the full completion of the project. This work shall be included in the item of work "General Conditions".
- All curb, sidewalk, driveway approach removals shall be approved by Engineer before the work is done.
- The location of material stock piles and on-site staging areas to be approved by the Engineer.
- For mainline paving, the width of the mat for each pass of the paver shall be not less than 10.5' or greater than 15', as directed by the Engineer. The Engineer will direct the layout of the longitudinal joints during construction.
- All structures receiving new castings as directed by the Engineer, as specified on the standard casting schedule. The existing castings are the property of the City of Ann Arbor. The Contractor shall deliver to City of Ann Arbor Public Works Facility at the W.R. Wheeler Service Center located at 4251 Stone School Road.
- Payment for drainage structure sumps, where specified, shall be included in the payment for the various drainage structure sizes and or types.
- Where sewer pipes of different sizes or materials are joined, Fernco flexible couplings with stainless steel shear rings shall be used. The Contractor's purchase price for these devices, including shipping, shall be paid as an extra. Prior to payment for this item, the Contractor shall submit receipts for the Engineer's review and approval. All other costs associated with the installation of these devices shall be included in the payment for the sewer.
- Where sewer and water main are to be removed & replaced or added, all pipe shall be installed using Trench Detail detailed in the specifications or shown on Plans. Backfill for sewer and water construction shall be MDTOT Granular Material, Class II, Modified.
- Existing street name, guide, and regulatory signs, and mailboxes which conflict with the proposed construction shall be removed prior to construction, stored in a manner which will prevent damage, and re-set in locations as directed by the Engineer. This work will not be paid for separately, but shall be included in "General Conditions, Max \$-".
- In areas where edge drain cannot be installed in accordance with Typical Edge Drain Trench SD-TD-4, the edge drain shall be installed at the depth as indicated on the plans, or as directed by Engineer. In no case shall the edge drain be installed at a grade less than 0.50% or at a depth of less than 2' below top of proposed pavement.


| HMA APPLICATTDN ESTIMATE | | | | | |
|----------------------------------|---------|-----------------------|--------------------|----------|--------------------------------------|
| PAY ITEM | HMA MIX | RATE OF APPLICATION | THICKNESS (INCHES) | BINDER | NOTES |
| LOCAL ROADS | | | | | |
| HMA, 4EL | 4EL | 220 LB/SYD | 2.0000 | PG 58-28 | TOP COURSE |
| HMA, 4EL | 4EL | 220 LB/SYD | 2.0000 | PG 58-28 | LEVELING COURSE |
| HMA, DRIVEWAY WEDGING | 4EL | VARIABLE | 0-3 | PG 58-28 | DRIVEWAY APPROACH FEATHERING |
| HAND PATCHING | 4EL | Max, 330 LB/SYD | Max 3 | PG 58-28 | HAND PATCHING |
| MAJOR ROADS | | | | | |
| HMA, 5EML | 5EML | 220 LB/SYD | 2.0000 | PG 64-22 | TOP COURSE |
| HMA, 5EML | 5EML | 275 LB/SYD | 2.5000 | PG 64-22 | TOP COURSE, FIFTH WILLIAM TO PACKARD |
| HMA, 4EL | 4EL | 220 LB/SYD | 2.0000 | PG 58-28 | LEVELING COURSE |
| HMA, 4EL | 4EL | 220 LB/SYD | 2.0000 | PG 58-28 | BASE COURSE |
| HMA, WEDGING, VARIABLE THICKNESS | 4EL | VARIABLE | 0-3 | PG 58-28 | PARKING LOT WEDGING |
| "ASPHALT EMULSION" | SS-1h | "0.05 - 0.15 GAL/SYD" | | | INCLUDE IN COST OF HMA ITEM |
| ASPHALT PATHS | | | | | |
| DS_SHARED USE PATH, HMA | 4EL | 330 LB/SYD | 3.0000 | PG 58-28 | TOP COURSE |

| Seed Mix | | |
|--|---------------|------------|
| MDOT Code | | Rate |
| TUF | Urban Freeway | 220 lbs/Ac |
| See Table 917-2 below for seed species breakdown | | |

| PERMITS REQUIRED TO BE OBTAINED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION. | |
|---|------------------------------------|
| PERMIT | ISSUING AUTHORITY |
| LANE CLOSURE PERMIT* | CITY OF ANN ARBOR ENGINEERING |
| "NO PARKING" SIGNS PERMIT* | CITY OF ANN ARBOR ENGINEERING |
| GRADING/SOIL EROSION & SEDIMENTATION CONTROL PERMIT* | CITY OF ANN ARBOR CUSTOMER SERVICE |
| RIGHT-OF-WAY PERMIT* | CITY OF ANN ARBOR CUSTOMER SERVICE |
| * NO COST TO CONTRACTOR | |

| PERMITS REQUIRED TO BE OBTAINED BY THE CITY OF ANN ARBOR PRIOR TO THE BEGINNING OF CONSTRUCTION. | |
|--|--|
| PERMIT | ISSUING AUTHORITY |
| WATER MAIN CONSTRUCTION PERMIT | MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY (EGLE) |
| SANITARY SEWER CONSTRUCTION PERMIT | MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY (EGLE) |

| CONTACT INFORMATION | | |
|---------------------|--|-------------------------------------|
| PUBLIC UTILITIES | OWNER | CONTACT |
| WATER | | |
| SANITARY | | |
| STORM | CITY OF ANN ARBOR PUBLIC WORKS W.R. WHEELER SERVICE CENTER 4251 STONE SCHOOL ROAD ANN ARBOR, MI 48108 | (734) 794-6350 |
| FORESTRY | | |
| SIGNS | | MARK MORENO (734) 794-6361 |
| SIGNALS | | |
| STREET LIGHTS | | |
| FIBER OPTIC | CITY OF ANN ARBOR INFORMATION TECHNOLOGY LARCOM CITY HALL 301 E. HURON STREET ANN ARBOR, MI 48107 | (734) 794-6550 |
| PRIVATE UTILITIES | OWNER | CONTACT |
| GAS | DTE ENERGY 3150 E. MICHIGAN AVE, YPSILANTI TOWNSHIP, MI 48198 | ROBERT CZAPIEWSKI (734) 544-7818 |
| ELECTRIC | DTE ENERGY WESTERN WAYNE SERVICE CENTER 8001 HAGGERTY ROAD BELLEVILLE, MI 48111 | ANTHONY IGNASIAK (734) 397-4447 |
| CABLE | COMCAST 27800 FRANKLIN ROAD SOUTHFIELD, MI 48034 | STEPHEN BECK (248) 972-7511 |
| PHONE | AT&T 550 S. MAPLE ROAD ANN ARBOR, MI 48103 | STEVEN ALLSHOUSE (734) 996-5381 |
| FIBER OPTIC | MCI/VERIZON 4401 STECKER STREET DEARBORN, MICHIGAN 48126 | MARLON REDD (313) 588-0849 |
| FIBER OPTIC | WINDSTREAM 1295 S LINDEN ROAD, SUITE B FLINT, MI 48532 | GREG SERICH (810) 244-3500 |
| STREET LIGHTING | DTE ENERGY 8001 HAGGERTY ROAD BELLEVILLE, MI 48111 | LANCE ALLEY (734) 397-4188 |



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

ANNUAL RESURFACING PROGRAM - 2025

STANDARD NOTES

SCALE: NTS

DRAWING No. 2025-004-003

SHEET No.

2 OF 47

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GENERAL
 NOTIFY THE CITY OF ANN ARBOR SOIL EROSION CONTROL OFFICE 48 HOURS PRIOR TO BEGINNING WORK ON THE PROJECT. PHONE: 734-794-6265.

1. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE SOIL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER AT ALL TIMES DURING CONSTRUCTION. ANY MODIFICATIONS OR ADDITIONS TO THE SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGED CONDITIONS SHALL BE AS DIRECTED AND APPROVED BY THE ENGINEER.
2. ALL SOIL EROSION AND SEDIMENTATION CONTROL WORK SHALL CONFORM TO THE PERMIT REQUIREMENTS OF THE CITY OF ANN ARBOR, THE LAWS OF THE STATE OF MICHIGAN, AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
3. DAILY, OR AFTER ANY STORM EVENT, INSPECTIONS OF EROSION CONTROL MEASURES SHALL BE MADE BY THE CONTRACTOR. PERIODIC INSPECTIONS MAY BE MADE BY THE ENGINEER TO DETERMINE THE EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES. ANY NECESSARY CORRECTIONS SHALL BE MADE WITHOUT DELAY, AND WITHOUT ADDITIONAL COST TO THE CITY OF ANN ARBOR.
4. EROSION AND SEDIMENTATION FROM WORK ON THE SITE SHALL BE CONTAINED ON THE SITE AND NOT BE ALLOWED TO COLLECT ON ANY OFF-SITE AREAS, ROADWAYS OR WATERWAYS.
5. ALL MUD/SOIL TRACKED ONTO ROADWAYS FROM THE SITE DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR. IF SO ORDERED, THE CONTRACTOR SHALL PROVIDE AND OPERATE A VACUUM-TYPE STREET SWEEPER, AT NO ADDITIONAL COST TO THE CITY OF ANN ARBOR.
6. RESTORATION OF ALL DISTURBED AREAS, INCLUDING PLACEMENT OF TOPSOIL, SEED, FERTILIZER AND MULCH AND/OR SOD SHALL BE PERFORMED WITHIN FIVE (5) DAYS OF THE COMPLETION OF FINAL GRADE.
7. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE SOIL EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION IN CRITICAL AREAS AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING OPERATIONS.
8. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
9. PROPER DUST CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION BY USE OF

- WATER TRUCKS AND/OR OTHER METHODS APPROVED BY THE ENGINEER.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND REMOVAL OF SOME MEASURES UPON AUTHORIZED COMPLETION OF THE PROJECT. FINAL COMPLETION OF PROJECT WILL NOT BE AUTHORIZED UNTIL ALL SITE WORK AND UTILITY CONSTRUCTION IS COMPLETE AND ALL SOILS ARE STABILIZED.
 11. THE CONTRACTOR SHALL NOT GRADE INTO ADJACENT PROPERTIES. SILT AND PROTECTIVE FENCE SHALL BE INSTALLED AND MAINTAINED TO PREVENT GRADING, EROSION AND SEDIMENTATION INTO THE ADJACENT PROPERTIES.
 12. TREE PROTECTION FENCING MUST REMAIN INTACT UNTIL RESTORATION OF THE SITE IS COMPLETE.

SEQUENCE OF EROSION CONTROL MEASURES:

1. THE CONTRACTOR IS TO SUBMIT TO THE ENGINEER, A SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION CONTROL MEASURES FOR REVIEW, COMMENT AND APPROVAL. THIS SCHEDULE IS TO INCLUDE INSPECTION AND REPAIR OF ALL TEMPORARY EROSION CONTROL MEASURES DAILY AND WITHIN 24 HOURS OF A STORM EVENT.

SAMPLE SOIL EROSION AND SEDIMENTATION CONTROL INSTALLATION MINIMUM REQUIREMENTS:

- 1.1. INSTALL SILT FENCE, TREE PROTECTION FENCING, MUD MATS, INLET FILTERS ON EXISTING DRAINAGE FEATURES, AND ALL OTHER TEMPORARY SOIL EROSION CONTROLS, PRIOR TO ANY CLEARING OR EARTH MOVING OPERATION.
- 1.2. STRIP AND STOCKPILE TOPSOIL. STABILIZE STOCKPILE AS REQUIRED.
- 1.3. INSTALL WATER MAINS, STORM AND SANITARY SEWERS, AND OTHER ENCLOSED DRAINAGE FEATURES. NEW INLET FILTERS SHALL BE INSTALLED IMMEDIATELY FOLLOWING INSTALLATION OF NEW DRAINAGE INLETS.
- 1.4. PERFORM MACHINE GRADING OPERATIONS AND CONSTRUCT PAVEMENTS (MAINLINE, SIDEWALKS, DRIVES, ETC.).
- 1.5. CONTINUALLY MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES, AS REQUIRED TO ALLOW DRAINAGE AND SEDIMENT REMOVAL. REMOVE ANY ACCUMULATED SEDIMENT IMMEDIATELY.
- 1.6. COMPLETE ALL FINE GRADING.

- 1.7. TEMPORARY SEED AND INSTALL EROSION CONTROL BLANKET IN ALL DISTURBED AREAS.
- 1.8. REFER TO LANDSCAPE PLANTING PLANS FOR PERMANENT SITE STABILIZATION.
- 1.9. CLEAN OUT STORM SEWER SYSTEMS.
- 1.10. REMEDY ANY NOTED DEFECTS TO THE SATISFACTION OF THE CITY OF ANN ARBOR'S SOIL EROSION AND SEDIMENTATION CONTROL OFFICIAL.
- 1.11. ALL TEMP. SOIL EROSION CONTROL MEASURES MUST BE REMOVED, WITH ENGINEERS APPROVAL, PRIOR TO FINAL INSPECTION

NOTE: THIS SEQUENCE IS FOR INFORMATION ONLY. IT IS INTENDED TO SHOW THE SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THEIR OWN DETAILED CONSTRUCTION SEQUENCE AND SCHEDULE TO THE ENGINEER FOR REVIEW, COMMENT, AND APPROVAL.

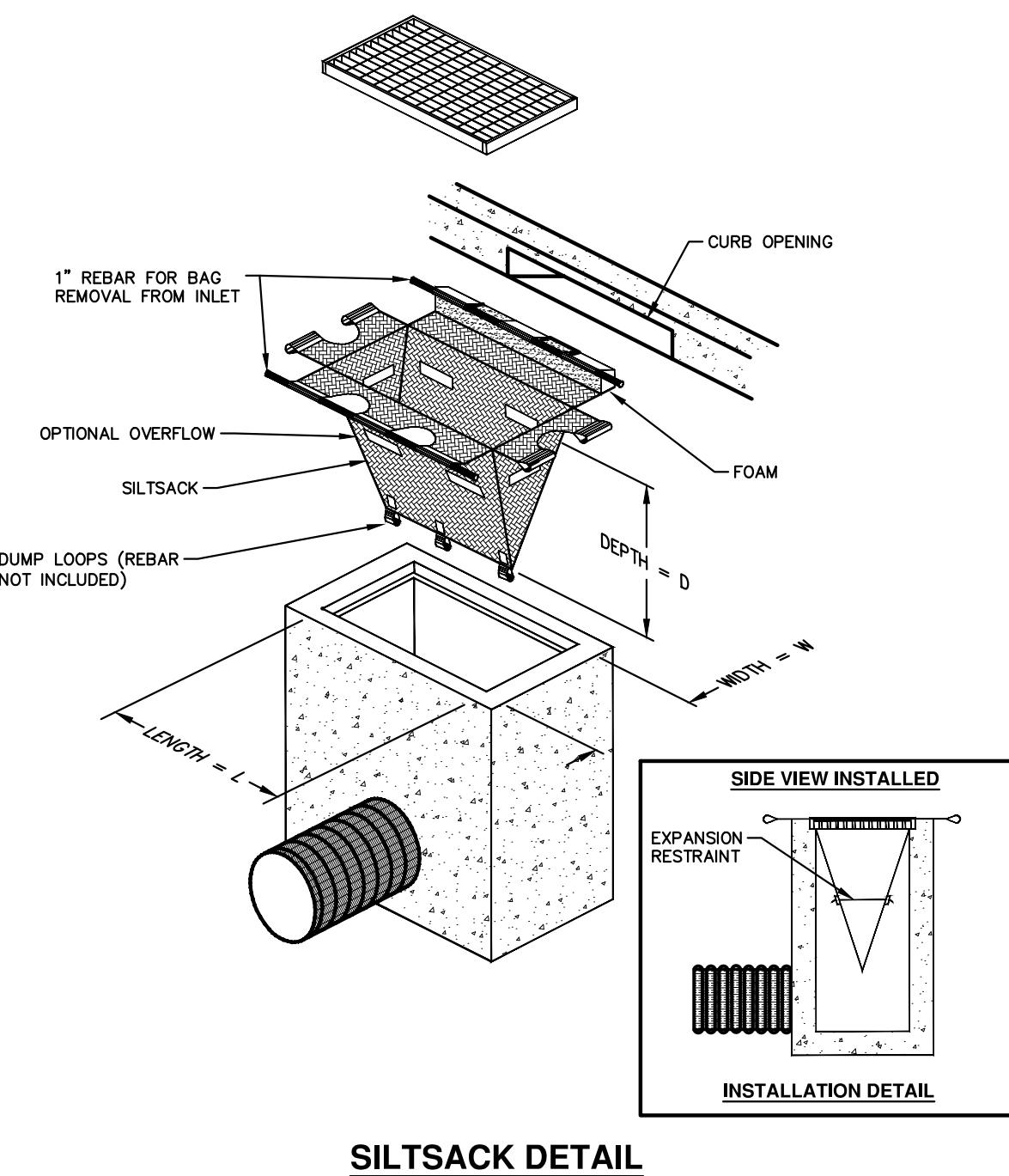
TEMPORARY SEEDING:

1. SEED IN ACCORDANCE WITH PROJECT DRAWINGS AND SPECIFICATIONS.
2. ANY DISTURBED AREA NOT PAVED, SEEDED, MULCHED, SODDED OR BUILT UPON BY NOVEMBER 15TH OR JUNE 30TH IS TO BE TEMPORARILY STABILIZED PER SPECIFICATIONS.

THE ESTIMATED COST OF SOIL EROSION AND SEDIMENTATION CONTROL MEASURES, TOPSOIL, SEEDING, AND MULCH = \$67,080.

ON SITE SOILS PER THE USDA SOIL SURVEY OF WASHTENAW COUNTY, MICHIGAN:

- BbB - BLOUNT LOAM - 2% TO 6% SLOPES.
- CpA - CONOVER BROOKSTON LOAMS - 0% TO 2% SLOPES
- Pe - PEWAMO CLAY LOAM - 0% TO 2% SLOPES
- StB - ST. CLAIR CLAY LOAM, 2% TO 6% SLOPES
- WgA - WAWASEE LAOM, 2% TO 6% SLOPES



SILTSACK DETAIL

NOTE: THE SILTSACK WILL BE MANUFACTURED FROM A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS.

REGULAR FLOW SILTSACK

(FOR AREAS OF LOW TO MODERATE PRECIPITATION AND RUN-OFF)

| PROPERTIES | REQUIRED VALUE | TEST METHOD |
|-------------------------|----------------|------------------|
| GRAB TENSILE STRENGTH | ASTM D-4632 | 300 LBS |
| GRAB TENSILE ELONGATION | ASTM D-4632 | 20% |
| PUNCTURE | ASTM D-4833 | 120 LBS |
| MULLEN BURST | ASTM D-3786 | 800 PSI |
| TRAPEZOID TEAR | ASTM D-4533 | 120 LBS |
| UV RESISTANCE | ASTM D-4355 | 80% |
| APPARENT OPENING SIZE | ASTM D-4751 | 40 US SIEVE |
| FLOW RATE | ASTM D-4491 | 40 GAL/MIN/SQ FT |
| PERMITTIVITY | ASTM D-4491 | 0.55 SEC -1 |

HI-FLOW SILTSACK

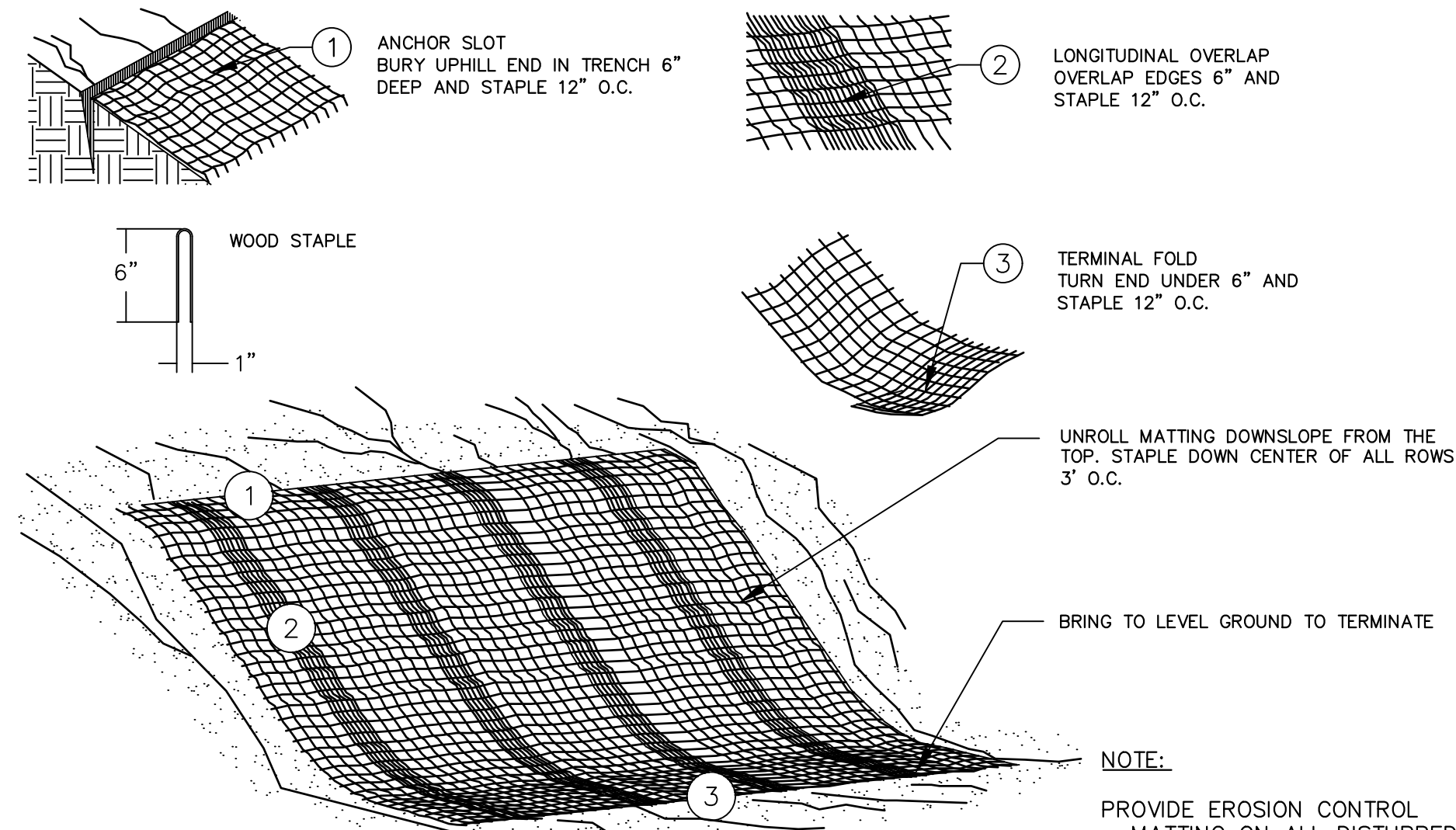
(FOR AREAS OF MODERATE TO HEAVY PRECIPITATION AND RUN-OFF)

| PROPERTIES | REQUIRED VALUE | TEST METHOD |
|-------------------------|----------------|-------------------|
| GRAB TENSILE STRENGTH | ASTM D-4632 | 265 LBS |
| GRAB TENSILE ELONGATION | ASTM D-4632 | 20% |
| PUNCTURE | ASTM D-4833 | 135 LBS |
| MULLEN BURST | ASTM D-3786 | 420 PSI |
| TRAPEZOID TEAR | ASTM D-4533 | 45 LBS |
| UV RESISTANCE | ASTM D-4355 | 90% |
| APPARENT OPENING SIZE | ASTM D-4751 | 20 US SIEVE |
| FLOW RATE | ASTM D-4491 | 200 GAL/MIN/SQ FT |
| PERMITTIVITY | ASTM D-4491 | 1.5 SEC -1 |

OIL-ABSORBANT SILTSACK

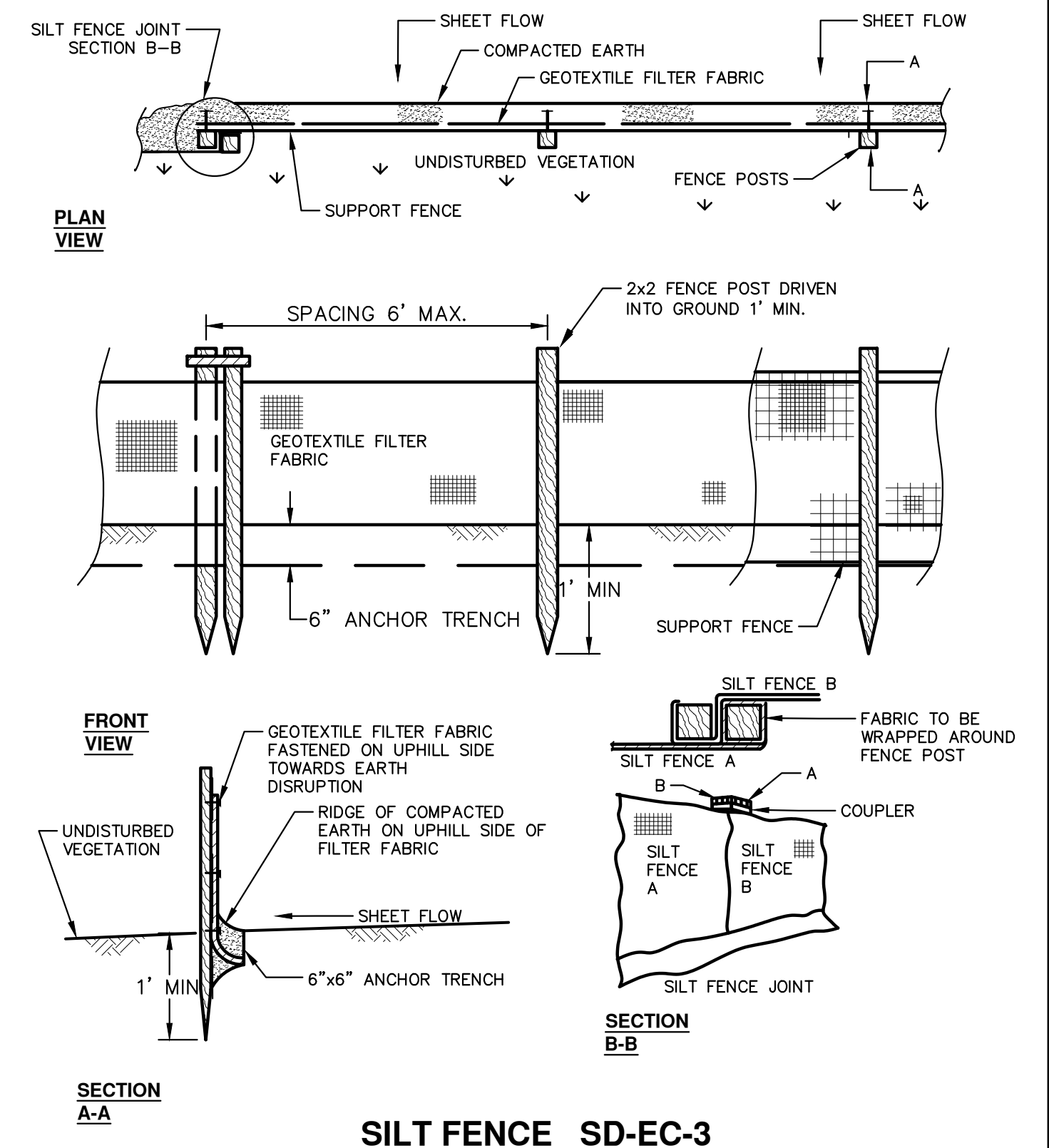
(FOR AREAS WHERE THERE IS A CONCERN FOR OIL RUN-OFF OR SPLILLS)

IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS THAT THE CONTRACTOR INSTALL THE REBAR AS SHOWN IN THIS DETAIL TO PROVIDE A FULLY FUNCTIONING UNIT. ALL COSTS ASSOCIATED WITH FURNISHING, CLEANING AS MANY TIMES AS REQUIRED, DISPOSAL OF SEDIMENT, AND REMOVING THE INLET FILTER WHEN NO LONGER NEEDED IS INCLUDED IN THE ITEM OF WORK AND WILL NOT BE PAID FOR SEPARATELY.

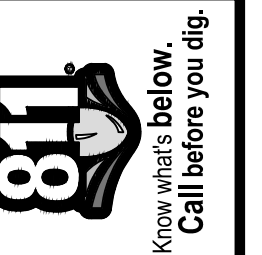


MULCH BLANKET DETAIL

APPLIES TO ALL AREAS TO BE PERMANENTLY RESTORED WITH GRASS. SEE LANDSCAPE PLANS FOR MORE DETAILS.



SILT FENCE SD-EC-3



| NO. | DATE | DESCRIPTION | REV. |
|-----|----------|-------------|------|
| 02 | 02/04/25 | ADDENDUM 2 | |
| 01 | 01/22/25 | BID SET | |

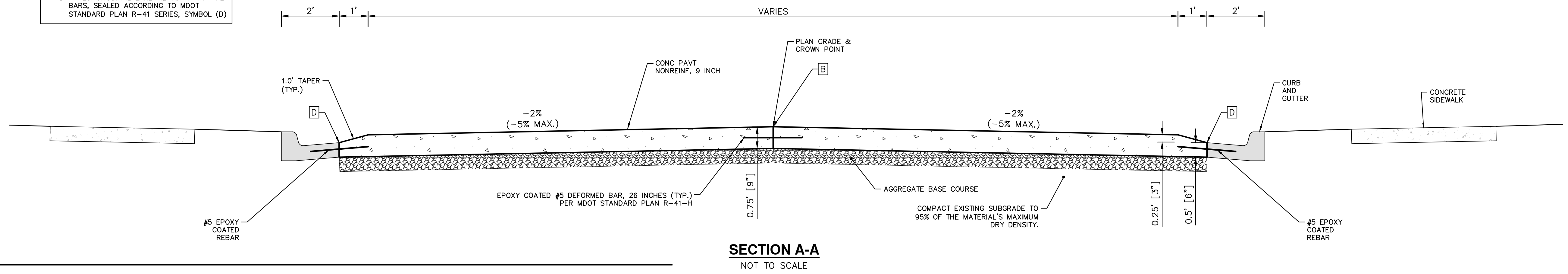
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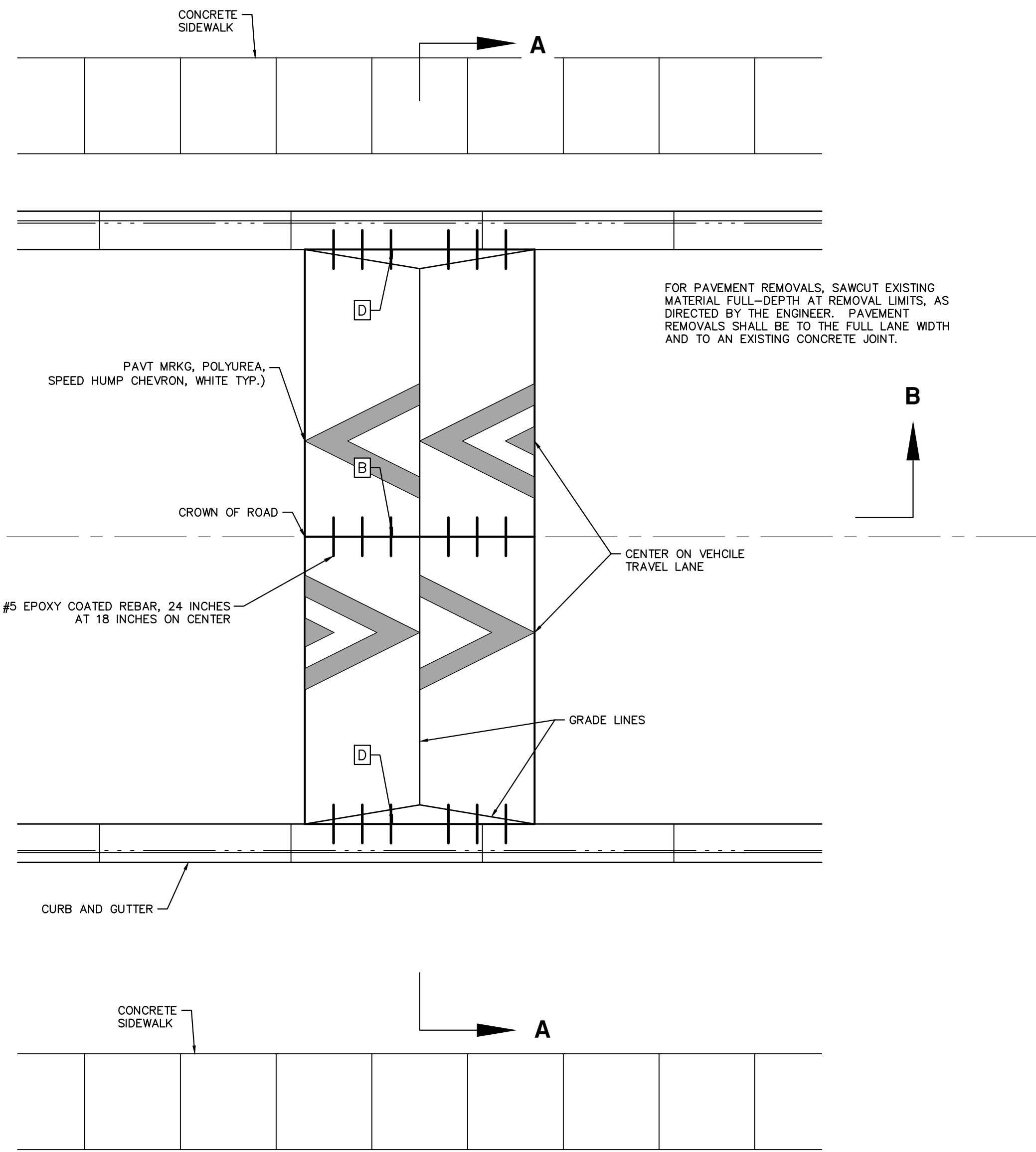
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 SESC NOTES AND DETAILS

SCALE: NTS
 DRAWING No. 2025-004-3
 SHEET No. 3 OF 47

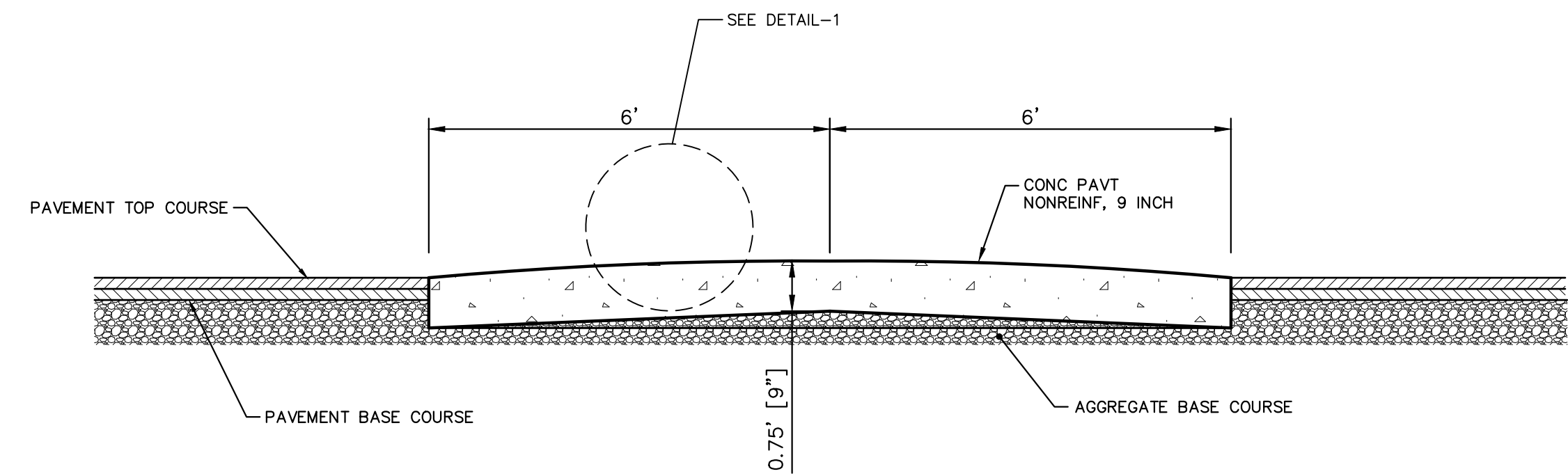
CONCRETE JOINT LEGEND:
 B - LONGITUDINAL BULKHEAD JOINT, SEALED ACCORDING TO MDOT STANDARD PLAN R-41 SERIES, SYMBOL (B)
 D - LONGITUDINAL LANE TIE JOINT WITH TIE BARS, SEALED ACCORDING TO MDOT STANDARD PLAN R-41 SERIES, SYMBOL (D)



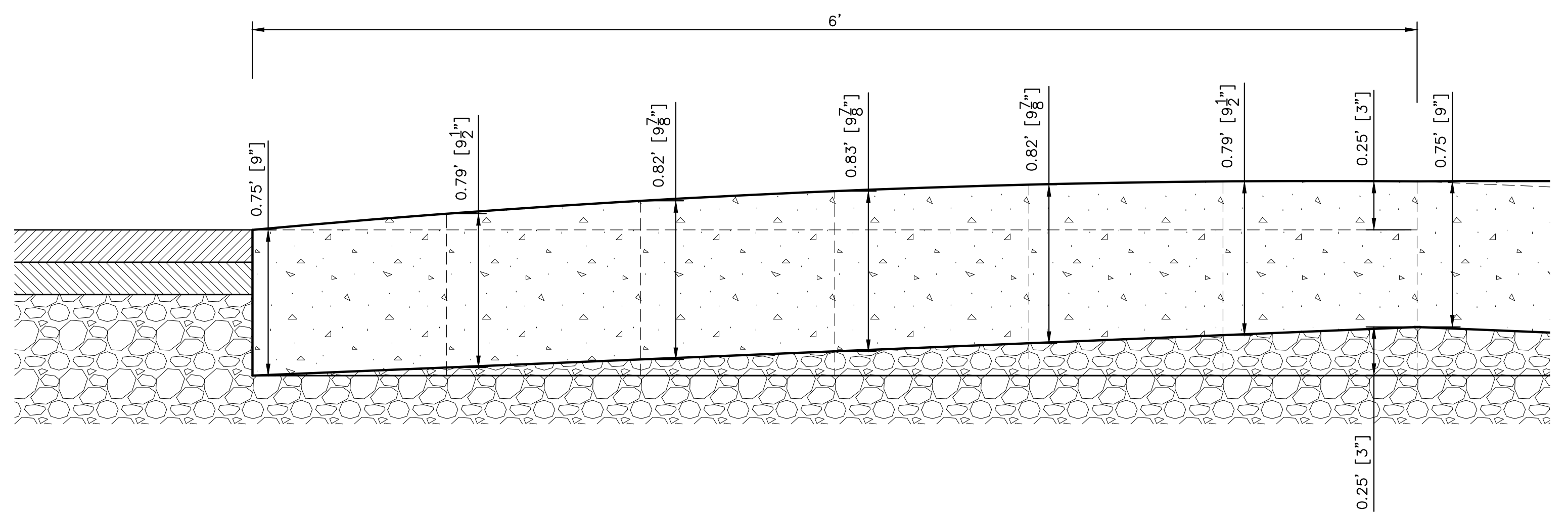
SECTION A-A
NOT TO SCALE



PLAN VIEW
NOT TO SCALE



SECTION B-B
NOT TO SCALE



DETAIL - 1
NOT TO SCALE

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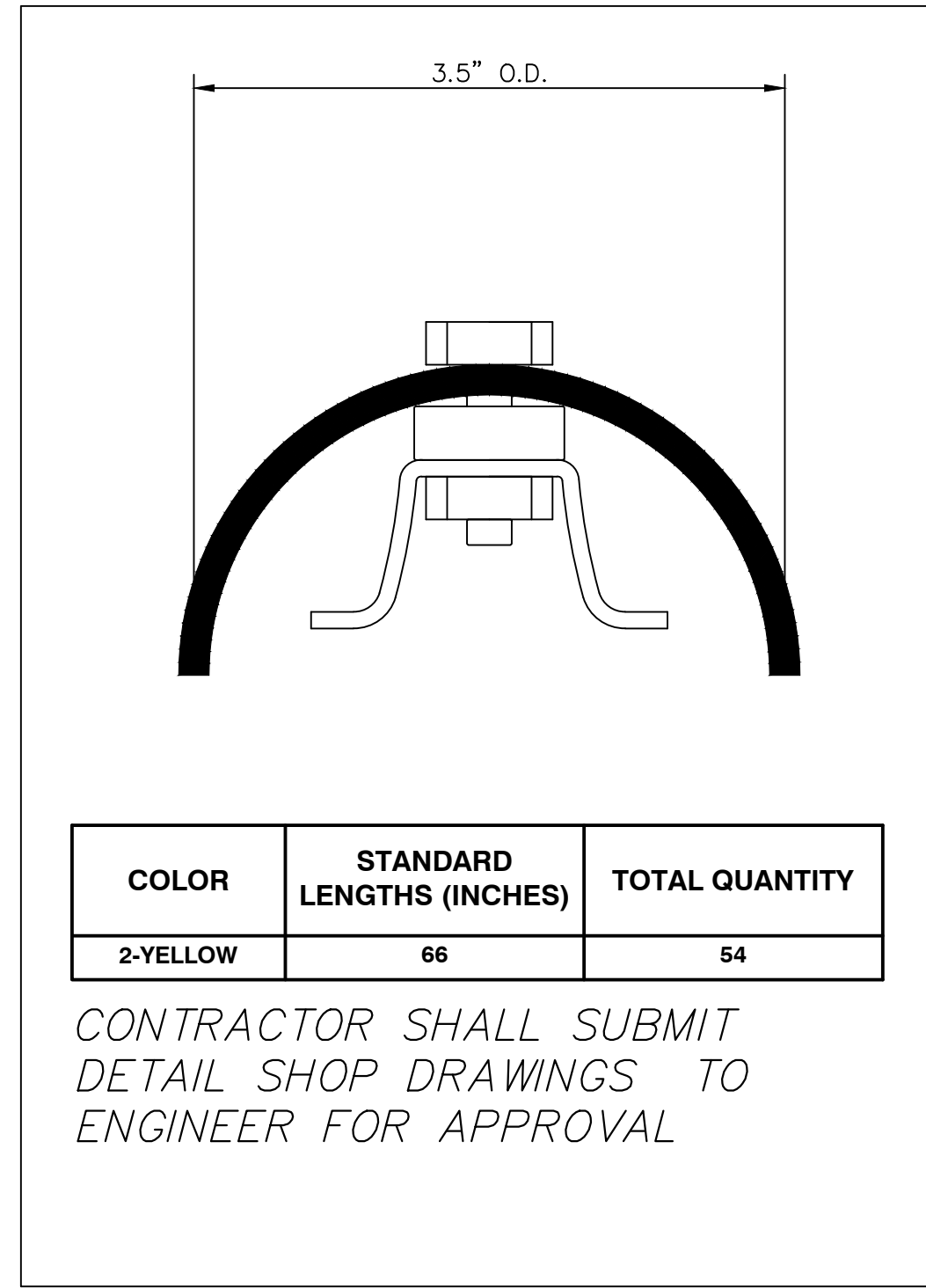
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|----|------------|----------|----------|-------|---------|
| 02 | ADDENDUM 2 | 02/04/25 | CE/VO/DW | NB | |
| 01 | BID SET | 01/22/25 | CE/VO/DW | NB | |
| | | | DATE | DRAWN | CHECKED |
| | | | REV. | | |

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
 TRAFFIC DEVICES - SPEED HUMP 1-A

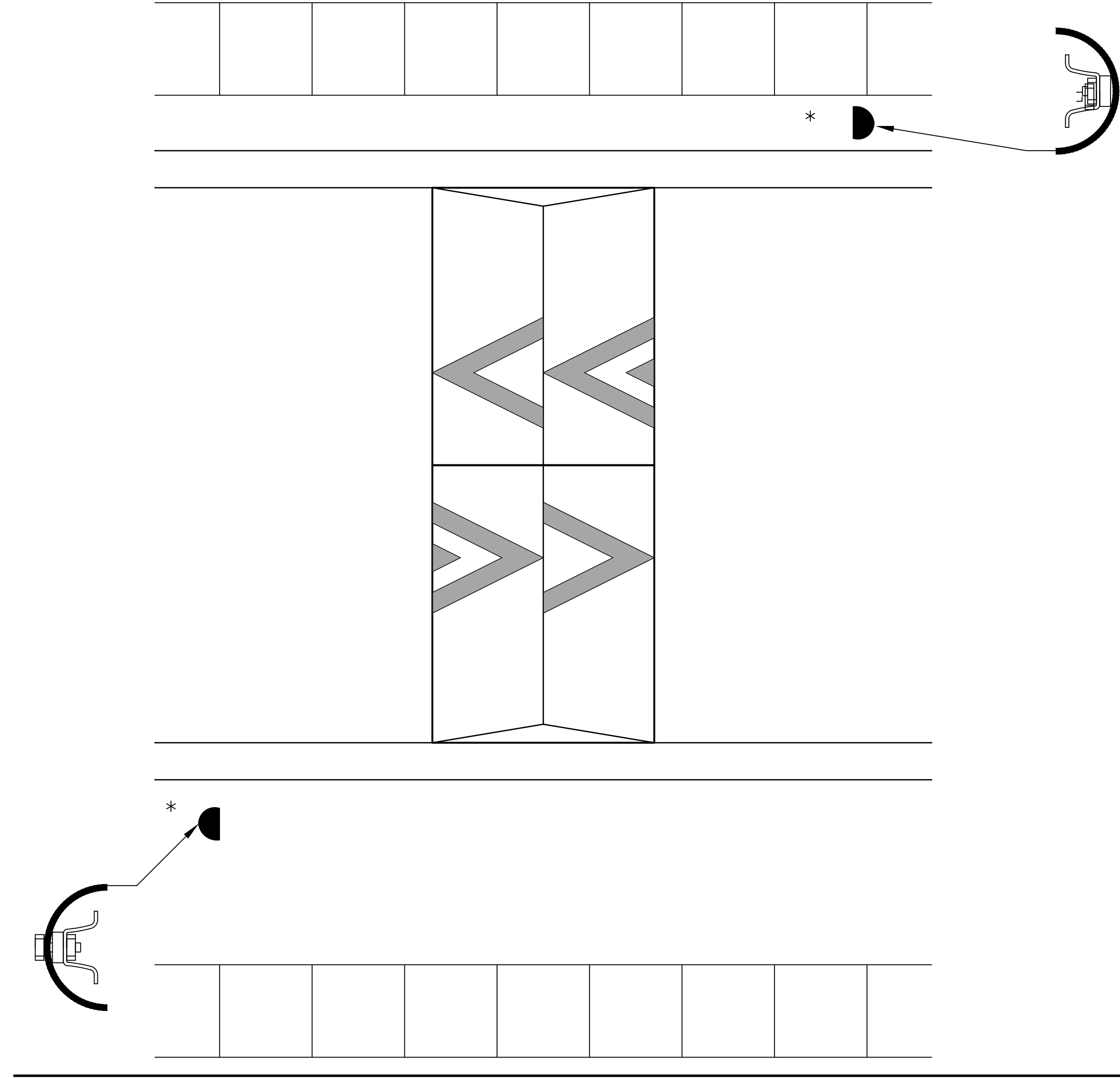
SCALE PLAN: 2:1
 PROFILE: 1" = 4'
 DRAWING No. 2025-004-4



| COLOR | STANDARD LENGTHS (INCHES) | TOTAL QUANTITY |
|----------|---------------------------|----------------|
| 2-YELLOW | 66 | 54 |

CONTRACTOR SHALL SUBMIT
DETAIL SHOP DRAWINGS TO
ENGINEER FOR APPROVAL

NOT TO SCALE



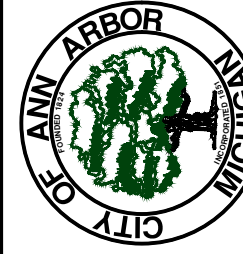
PLAN VIEW
NOT TO SCALE

* NOTES:

1. - PLACEMENT OF DEVICES WILL BE BEHIND CURB AS DIRECTED BY THE ENGINEER. POST WILL BE DROVE INTO GROUND PER THE MANUFACTURES SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.
2. - DISTANCE OF DEVICES FROM THE TRAFFIC DEVICE WILL BE AS DIRECTED BY THE ENGINEER.



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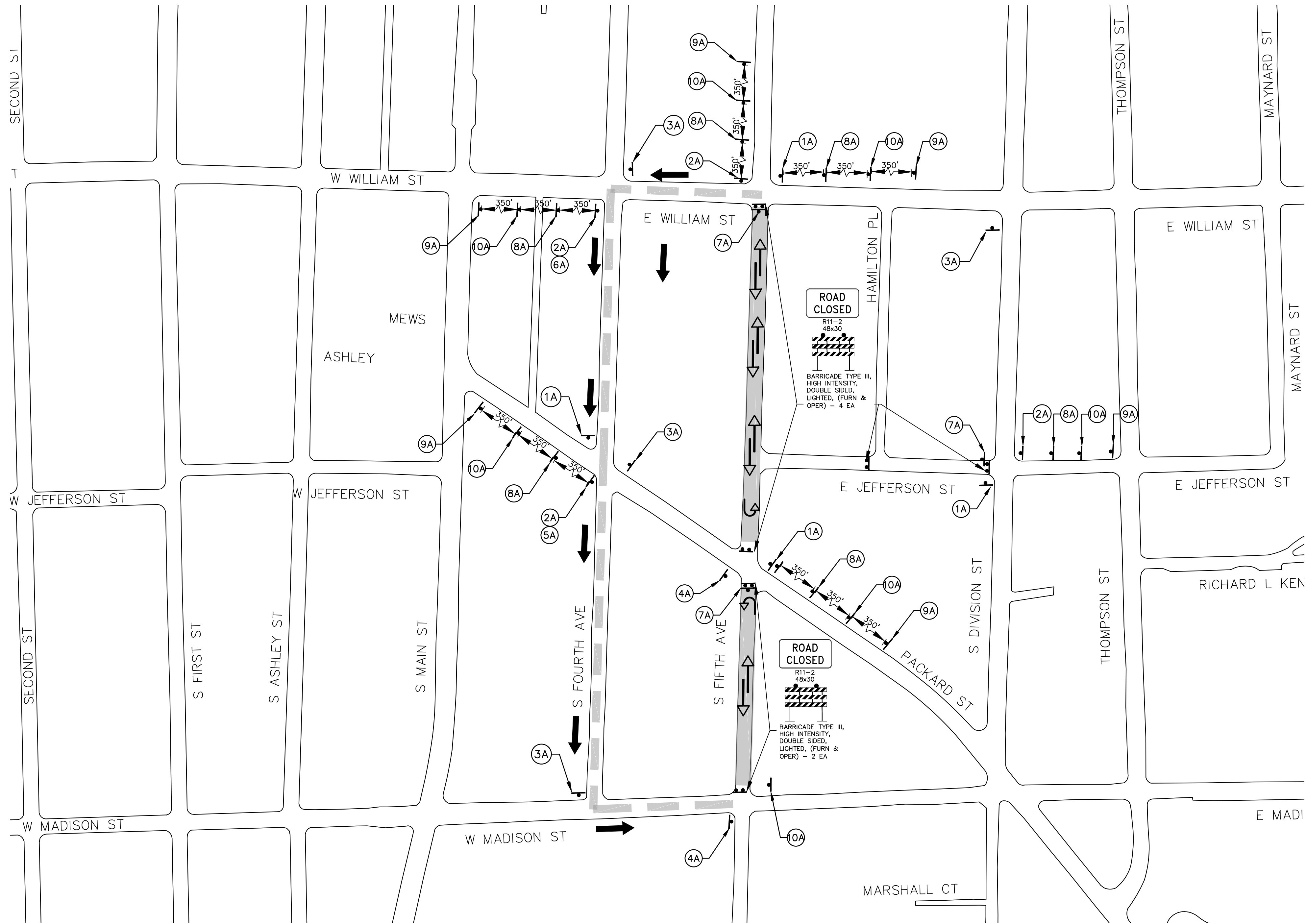
TRAFFIC DEVICES - SPEED HUMP 1-B

SCALE : NTS
DRAWING No.
2025-004-5

SHEET No.
5 OF 47

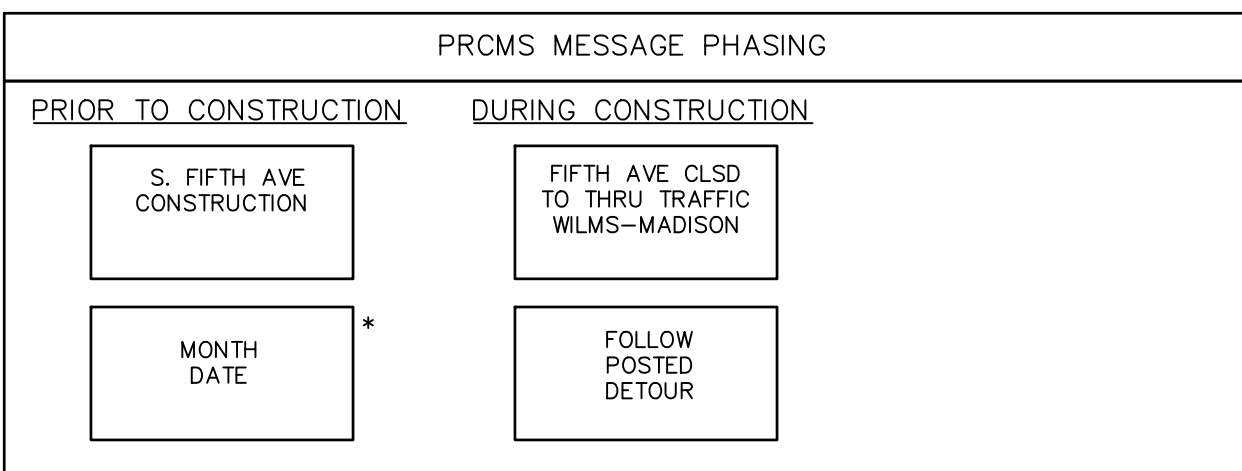
| REV. | DESCRIPTION | DATE | DRAWN | CHECKED |
|------|-------------|----------|----------|---------|
| 01 | BID SET | 01/22/25 | CE/VO/DW | NB |
| 02 | ADDENDUM 2 | 02/04/25 | CE/VO/DW | NB |

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DETOUR CONSTRUCTION NOTES:

1. DEPENDING ON THE DETOUR ROUTE THAT IS PUT IN PLACE, CONFLICTING SIGNS MAY BE PRESENT. PRIOR TO THE ORDERING OR PLACEMENT OF ANY SIGNS, MEET WITH THE ENGINEER TO VERIFY THE EXACT NUMBER AND LOCATION OF THE SIGNS TO BE PLACED. THE ENGINEER AND THE CONTRACTOR SHALL WORK TOGETHER TO ELIMINATE ALL CONFLICTS.
2. THE CITY RESERVES THE RIGHT TO ORDER ADDITIONAL SIGNS AND PLACE THEM INTO SERVICE IN ORDER TO SAFELY MAINTAIN TRAFFIC. ADJUSTMENTS IN THE UNIT PRICE FOR THESE ITEMS OF WORK SHALL NOT BE ALLOWED FOR THESE OCCURRENCES.
3. THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS WITH THOSE OF THE CITY OF ANN ARBOR'S SIGNS AND SIGNALS UNIT DURING THE COURSE OF THE DETOUR ROUTE ESTABLISHMENT TO EFFECTIVELY AND SAFELY MAINTAIN TRAFFIC. DO NOT ERECT ANY SIGNS UNTIL ITS LOCATION AND PROPOSED DATE OF INSTALLATION IS APPROVED BY THE ENGINEER.
4. THE DETOUR IS TO BE IN PLACE DURING THE FIFTH AVE WATER MAIN AND RESURFACING PROJECT. AS DIRECTED BY THE ENGINEER, THE CONTRACTOR WILL CLOSE AND DETOUR SOUTH BOUND TRAFFIC. SEE "SPECIAL PROVISION FOR MAINTAINING TRAFFIC AND CONSTRUCTION SEQUENCING" FOR DETAILS ON CONSTRUCTION STAGING, SEQUENCING, CLOSURE AND DETOUR LIMITATIONS, AND OTHER DETAILS.
5. REFERENCE THE "SPECIAL PROVISION FOR MAINTAINING TRAFFIC AND CONSTRUCTION SEQUENCING" FOR ADDITIONAL PROJECT REQUIREMENTS. THE CONTRACTOR'S ATTENTION IS SPECIFICALLY DIRECTED TO THE SECTION OF SAME SPECIAL PROVISION REGARDING COORDINATION WITH THE CITY SIGNS AND SIGNALS UNIT FOR MODIFICATIONS TO TRAFFIC SIGNALS FOR THE DETOUR.
6. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN SIGNS AS SHOWN ON THE PLANS OR OTHERWISE DIRECTED BY THE ENGINEER.
7. CONSTRUCTION WARNING SIGNS SHALL HAVE AN ORANGE, HIGH-INTENSITY, REFLECTORIZED BACKGROUND.
8. SIGNS SHALL CONFORM TO THE 2011 MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
9. THE CONTRACTOR SHALL DRIVE ALL SIGNS INTO EXPOSED GROUND OR INSERT INTO A BORED HOLE IN PAVEMENT AS NECESSARY TO PERMANENTLY SECURE. ALL HOLES IN PAVEMENT SHALL BE FILLED WITH ENGINEER-APPROVED MORTAR WHEN THE SIGN IS REMOVED AND NO LONGER NEEDED. COSTS FOR THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "SIGN, TYPE B, TEMP, PRISMATIC, FURN AND OPER"
10. ADVANCE WARNING SIGNS SHALL BE PROVIDED WITH TWO (2) TYPE A FLASHING LIGHTS AND ONE (1) DAY-GLOW ORANGE FLAG.
11. CITY TO BE NOTIFIED A MINIMUM OF 7 DAYS PRIOR TO IMPLEMENTING SOUTH BOUND FIFTH AVE DETOUR. MESSAGE BOARDS TO BE PLACED 7 DAYS PRIOR TO IMPLEMENTATION OF DETOUR.



| FOR S. FIFTH AVE WATER MAIN AND RESURFACING PROJECT | | | |
|---|-------------------|----------|--|
| SOUTH BOUND FIFTH AVE | | | |
| SIGN | NUMBER | QUANTITY | |
| 1A S. FIFTH AVE | D3-1 | 4 | |
| 2A S. FIFTH AVE | M4-9S 30"x24" | 4 | |
| 3A S. FIFTH AVE | D3-1 | 4 | |
| 4A S. FIFTH AVE | M4-9R 30"x24" | 4 | |
| 5A SOUTH BOUND FIFTH AVE CLOSED AT PACKARD FOLLOW DETOUR | D3-1 | 4 | |
| 6A SOUTH BOUND FIFTH AVE CLOSED AT WILLAM FOLLOW DETOUR | M4-9L 30"x24" | 4 | |
| 7A S. FIFTH AVE | D3-1 | 2 | |
| 8A S. FIFTH AVE | M4-8A 24"x18" | 2 | |
| 9A S. FIFTH AVE | SPECIAL 48x66 | 1 | |
| 10A S. FIFTH AVE | SPECIAL 48x66 | 1 | |
| 1A S. FIFTH AVE | M4-10R 48"x18" | 3 | |
| 2A S. FIFTH AVE | D3-1 | 6 | |
| 3A S. FIFTH AVE | W20-2 36"x36" | 6 | |
| 4A S. FIFTH AVE | D3-1 36"x6" | 6 | |
| 5A S. FIFTH AVE | W20-1 36"x36" | 6 | |
| 6A S. FIFTH AVE | D3-1 36"x6" | 7 | |
| 7A S. FIFTH AVE | W20-3 36"x36" | 7 | |
| BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED - 6 EACH | | | |
| SIGN, PORTABLE, CHANGEABLE MESSAGE, NTOIP-COMPLIANT - 2 EACH | | | |
| VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING | | | |



Know what's below. Call before you dig.

| REV | DESCRIPTION | DATE | DRAWN | CHECKED |
|-----|-------------|----------|----------|---------|
| 02 | ADDENDUM 2 | 02/04/25 | BE/VO/DW | NB |
| 01 | BID SET | 01/22/25 | BE/VO/DW | NB |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48106-6647
www.a2gov.org



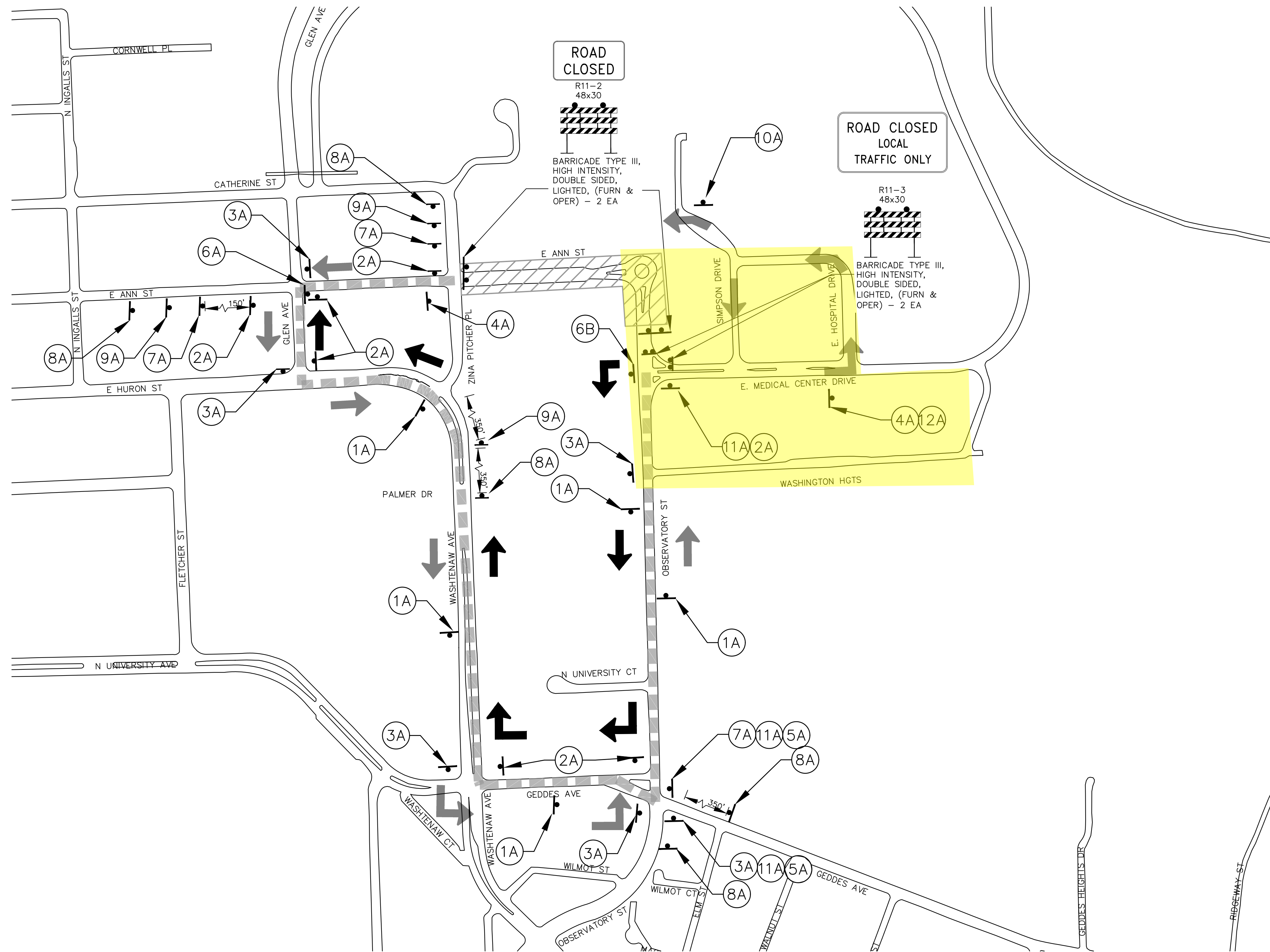
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

ANNUAL RESURFACING PROGRAM - 2025

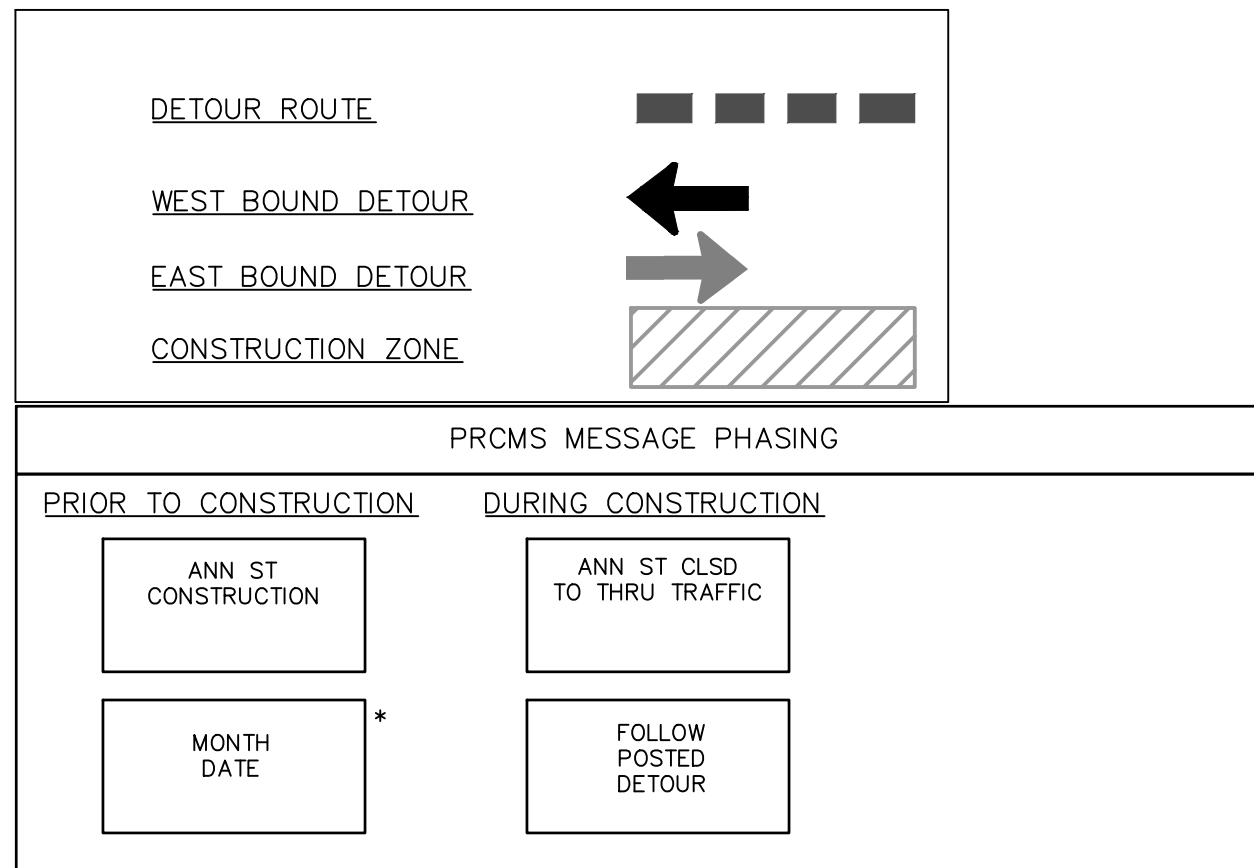
MAINTENANCE OF TRAFFIC
S. FIFTH AVE DETOUR

SCALE NTS

DRAWING No. 2025-004-6



| ANNUAL RESURFACING 2025 PROJECT | | |
|---------------------------------|---|-------------------------------|
| WEST & EAST BOUND ANN ST | | |
| SIGN | NUMBER | QUANTITY |
| 1A | E. ANN ST DETOUR ↑ | D3-1 M4-9S 30"x24" 4 |
| 2A | E. ANN ST DETOUR → | D3-1 M4-9R 30"x24" 7 |
| 3A | E. ANN ST DETOUR ← | D3-1 M4-9L 30"x24" 6 |
| 4A | E. ANN ST END DETOUR | D3-1 M4-8A 24"x18" 2 |
| 5A | NORTH BOUND OBSERVATORY CLOSED AT E. MEDIC CNTR FOLLOW DETOUR | SPECIAL 48"x66" 2 |
| 6A | DETOUR → | M4-10R 48"x18" 1 |
| 6B | DETOUR ← | M4-10L 48"x18" 1 |
| 7A | E. ANN ST DETOUR AHEAD | D3-1 36"x12" 4 |
| 8A | E. ANN ST ROAD WORK AHEAD | W20-2 36"x36" 4 |
| 9A | E. ANN ST ROAD CLOSED AHEAD | D3-1 36"x6" 4 |
| 10A | UofM CARDIOLOGY ENTRANCE AND PARKING | SPECIAL 48"x66" 3 |
| 11A | UofM CARDIOLOGY USE E. HOSPITAL CENTER DRIVE FOR PATIENT ENTRANCE | SPECIAL 48"x66" 3 |
| 12A | UofM CARDIOLOGY USE E. HOSPITAL DRIVE FOR PATIENT ENTRANCE | SPECIAL 48"x66" 1 |



DETOUR CONSTRUCTION NOTES:

- DEPENDING ON THE DETOUR ROUTE THAT IS PUT IN PLACE, CONFLICTING SIGNS MAY BE PRESENT. PRIOR TO THE ORDERING OR PLACEMENT OF ANY SIGNS, MEET WITH THE ENGINEER TO VERIFY THE EXACT NUMBER AND LOCATION OF THE SIGNS TO BE PLACED. THE ENGINEER AND THE CONTRACTOR SHALL WORK TOGETHER TO ELIMINATE ALL CONFLICTS.
- THE CITY RESERVES THE RIGHT TO ORDER ADDITIONAL SIGNS AND PLACE THEM INTO SERVICE IN ORDER TO SAFELY MAINTAIN TRAFFIC. ADJUSTMENTS IN THE UNIT PRICE FOR THESE ITEMS OF WORK SHALL NOT BE ALLOWED FOR THESE OCCURRENCES.
- THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS WITH THOSE OF THE CITY OF ANN ARBOR'S SIGNS AND SIGNALS UNIT DURING THE COURSE OF THE DETOUR ROUTE ESTABLISHMENT TO EFFECTIVELY AND SAFELY MAINTAIN TRAFFIC. DO NOT ERECT ANY SIGNS UNTIL ITS LOCATION AND PROPOSED DATE OF INSTALLATION IS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN SIGNS AS SHOWN ON THE PLANS OR OTHERWISE DIRECTED BY THE ENGINEER.
- CONSTRUCTION WARNING SIGNS SHALL HAVE AN ORANGE, HIGH-INTENSITY, REFLECTORIZED BACKGROUND.
- THE DETOUR IS TO BE IN PLACE DURING THE RESURFACING PROJECT. AS DIRECTED BY THE ENGINEER, THE CONTRACTOR WILL CLOSE AND DETOUR EAST AND WEST BOUND ANN ST TRAFFIC. SEE "SPECIAL PROVISION FOR MAINTAINING TRAFFIC AND CONSTRUCTION SEQUENCING" FOR DETAILS ON CONSTRUCTION STAGING, SEQUENCING, CLOSURE AND DETOUR LIMITATIONS, AND OTHER DETAILS.
- REFERENCE THE "SPECIAL PROVISION FOR MAINTAINING TRAFFIC AND CONSTRUCTION SEQUENCING" FOR ADDITIONAL PROJECT REQUIREMENTS. THE CONTRACTOR'S ATTENTION IS SPECIFICALLY DIRECTED TO THE SECTION OF SAME SPECIAL PROVISION REGARDING COORDINATION WITH THE CITY SIGNS AND SIGNALS UNIT FOR MODIFICATIONS TO TRAFFIC SIGNALS FOR THE DETOUR.
- SIGNS SHALL CONFORM TO THE 2011 MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL DRIVE ALL SIGNS INTO EXPOSED GROUND OR INSERT INTO A BORED HOLE IN PAVEMENT AS NECESSARY TO PERMANENTLY SECURE. ALL HOLES IN PAVEMENT SHALL BE FILLED WITH ENGINEER-APPROVED MORTAR WHEN THE SIGN IS REMOVED AND NO LONGER NEEDED. COSTS FOR THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "SIGN, TYPE B, TEMP, PRISMATIC, FURN AND OPER"
- ADVANCE WARNING SIGNS SHALL BE PROVIDED WITH TWO (2) TYPE A FLASHING LIGHTS AND ONE (1) DAY-GLOW ORANGE FLAG.
- CITY TO BE NOTIFIED A MINIMUM OF 7 DAYS PRIOR TO IMPLEMENTING EAST AND WEST BOUND ANN ST DETOUR. MESSAGE BOARDS TO BE PLACED 7 DAYS PRIOR TO IMPLEMENTATION OF DETOUR.



| REV | DATE | DESCRIPTION |
|-----|----------|-------------|
| 02 | 02/04/25 | ADDENDUM 2 |
| 01 | 01/22/25 | BID SET |

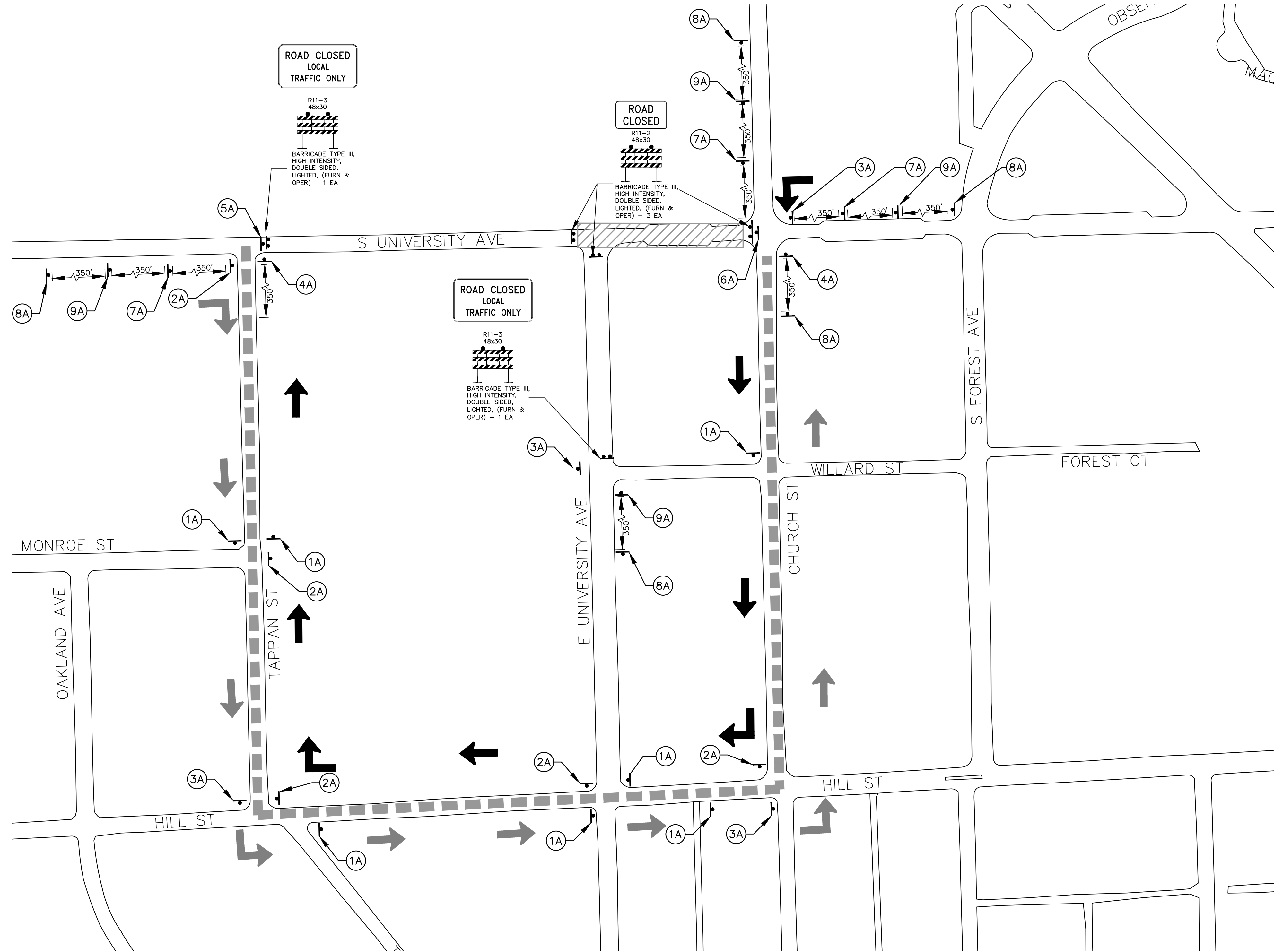
CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48106-6647
www.aagov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
MAINTENANCE OF TRAFFIC
ANN ST DETOUR

SCALE PLAN: CUSTOM
PROFILE: 1" = 1'

DRAWING No. 2025-004-7

T:\2025004\Plan Production\2025 S. University Detour.dwg Dwg Created: 21-Jan-25 - _a2 standard bw.stb - Plot Date: 3-Feb-25

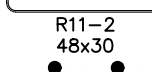


ROAD CLOSED
LOCAL
TRAFFIC ONLY



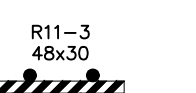
BARRICADE TYPE III,
HIGH INTENSITY,
DOUBLE SIDED,
LIGHTED, (FURN &
OPER) - 1 EA

ROAD CLOSED



BARRICADE TYPE III,
HIGH INTENSITY,
DOUBLE SIDED,
LIGHTED, (FURN &
OPER) - 3 EA

ROAD CLOSED
LOCAL
TRAFFIC ONLY



BARRICADE TYPE III,
HIGH INTENSITY,
DOUBLE SIDED,
LIGHTED, (FURN &
OPER) - 1 EA

LEGEND:

WEST AND EAST BOUND S. UNIVERSITY
DETOUR ROUTE

CONSTRUCTION ZONE

| PRCMS MESSAGE PHASING | |
|-------------------------------|---|
| PRIOR TO CONSTRUCTION | DURING CONSTRUCTION |
| E. UNIVERSITY CONSTRUCTION | UNIVERSITY CLSD TO THRU TRAFFIC E. U-CHURCH |
| MONTH DATE * | FOLLOW POSTED DETOUR |

DETOUR CONSTRUCTION NOTES:

1. DEPENDING ON THE DETOUR ROUTE THAT IS PUT IN PLACE, CONFLICTING SIGNS MAY BE PRESENT. PRIOR TO THE ORDERING OR PLACEMENT OF ANY SIGNS, MEET WITH THE ENGINEER TO VERIFY THE EXACT NUMBER AND LOCATION OF THE SIGNS TO BE PLACED. THE ENGINEER AND THE CONTRACTOR SHALL WORK TOGETHER TO ELIMINATE ALL CONFLICTS.
2. THE CITY RESERVES THE RIGHT TO ORDER ADDITIONAL SIGNS AND PLACE THEM INTO SERVICE IN ORDER TO SAFELY MAINTAIN TRAFFIC. ADJUSTMENTS IN THE UNIT PRICE FOR THESE ITEMS OF WORK SHALL NOT BE ALLOWED FOR THESE OCCURRENCES.
3. THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS WITH THOSE OF THE CITY OF ANN ARBOR'S SIGNS AND SIGNALS UNIT DURING THE COURSE OF THE DETOUR ROUTE ESTABLISHMENT TO EFFECTIVELY AND SAFELY MAINTAIN TRAFFIC. DO NOT ERECT ANY SIGNS UNTIL ITS LOCATION AND PROPOSED DATE OF INSTALLATION IS APPROVED BY THE ENGINEER.
4. THE DETOUR IS TO BE IN PLACE DURING THE PAULINE WATER MAIN AND RESURFACING PROJECT. AS DIRECTED BY THE ENGINEER, THE CONTRACTOR WILL CLOSE AND DETOUR EAST AND WEST BOUND S. UNIVERSITY AVE TRAFFIC. SEE "SPECIAL PROVISION FOR MAINTAINING TRAFFIC AND CONSTRUCTION SEQUENCING" FOR DETAILS ON CONSTRUCTION STAGING, SEQUENCING, CLOSURE AND DETOUR LIMITATIONS, AND OTHER DETAILS.
5. REFERENCE THE "SPECIAL PROVISION FOR MAINTAINING TRAFFIC AND CONSTRUCTION SEQUENCING" FOR

- ADDITIONAL PROJECT REQUIREMENTS. THE CONTRACTOR'S ATTENTION IS SPECIFICALLY DIRECTED TO THE SECTION OF SAME SPECIAL PROVISION REGARDING COORDINATION WITH THE CITY SIGNS AND SIGNALS UNIT FOR MODIFICATIONS TO TRAFFIC SIGNALS FOR THE DETOUR.
6. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN SIGNS AS SHOWN ON THE PLANS OR OTHERWISE DIRECTED BY THE ENGINEER.
 7. CONSTRUCTION WARNING SIGNS SHALL HAVE AN ORANGE, HIGH-INTENSITY, REFLECTORIZED BACKGROUND.
 8. SIGNS SHALL CONFORM TO THE 2011 MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
 9. THE CONTRACTOR SHALL DRIVE ALL SIGNS INTO EXPOSED GROUND OR INSERT INTO A BORED HOLE IN PAVEMENT AS NECESSARY TO PERMANENTLY SECURE. ALL HOLES IN PAVEMENT SHALL BE FILLED WITH ENGINEER-APPROVED MORTAR WHEN THE SIGN IS REMOVED AND NO LONGER NEEDED. COSTS FOR THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "SIGN, TYPE B, TEMP, PRISMATIC, FURN AND OPER"
 10. ADVANCE WARNING SIGNS SHALL BE PROVIDED WITH TWO (2) TYPE A FLASHING LIGHTS AND ONE (1) DAY-GLOW ORANGE FLAG.
 11. CITY TO BE NOTIFIED A MINIMUM OF 7 DAYS PRIOR TO IMPLEMENTING DETOUR. MESSAGE BOARDS TO BE PLACED 7 DAYS PRIOR TO IMPLEMENTATION OF DETOUR.

| EAST AND WEST BOUND S. UNIVERSITY | | | |
|---|------------------------------------|--------------------------|----------|
| | SIGN | NUMBER | QUANTITY |
| 1A | S. UNIVERSITY AVE DETOUR ↑ | D3-1 M4-9S 30"x24" | 7 7 |
| | S. UNIVERSITY AVE DETOUR → | D3-1 M4-9R 30"x24" | 5 5 |
| 2A | S. UNIVERSITY AVE DETOUR ← | D3-1 M4-9L 30"x24" | 4 4 |
| | S. UNIVERSITY AVE END DETOUR | D3-1 M4-8A 24"x18" | 2 2 |
| 3A | DETOUR → | M4-10R 48"x18" | 1 1 |
| | DETOUR ← | M4-10R 48"x18" | 1 1 |
| 4A | S. UNIVERSITY AVE | D3-1 W20-2 36"x36" | 3 3 |
| | S. UNIVERSITY AVE | D3-1 36"x6" | 5 |
| 5A | DETOUR → | W20-1 36"x36" | 5 |
| | S. UNIVERSITY AVE | D3-1 36"x6" | 4 |
| 6A | DETOUR ← | W20-3 36"x36" | 4 |
| | S. UNIVERSITY AVE | D3-1 36"x6" | 4 |
| 7A | DETOUR ↑ | D3-1 36"x6" | 5 |
| | DETOUR ↓ | D3-1 36"x6" | 5 |
| 8A | DETOUR → | D3-1 36"x6" | 4 |
| | DETOUR ← | D3-1 36"x6" | 4 |
| 9A | DETOUR ↑ | D3-1 36"x6" | 4 |
| | DETOUR ↓ | D3-1 36"x6" | 4 |
| BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED - 5 EACH | | | |
| SIGN, PORTABLE, CHANGEABLE MESSAGE, NTICP-COMPLIANT - 2 EACH | | | |
| VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING | | | |



| REV. | DATE | DESCRIPTION | DRAWN | CHECKED |
|------|----------|-------------|----------|---------|
| 02 | 02/04/25 | ADDENDUM 2 | CE/VO/DW | NB |
| 01 | 01/22/25 | BID SET | CE/VO/DW | NB |

CITY OF ANN ARBOR
PUBLIC SERVICES
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ANN ARBOR, MI 48106-6647
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
MAINTENANCE OF TRAFFIC
S. UNIVERSITY DETOUR
PROFILE: 1" = 4'
SCALE PLAN: CUSTOM
DRAWING No. 2025-004-8



CITY OF ANN ARBOR ENGINEERING ANDERSON AVE

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

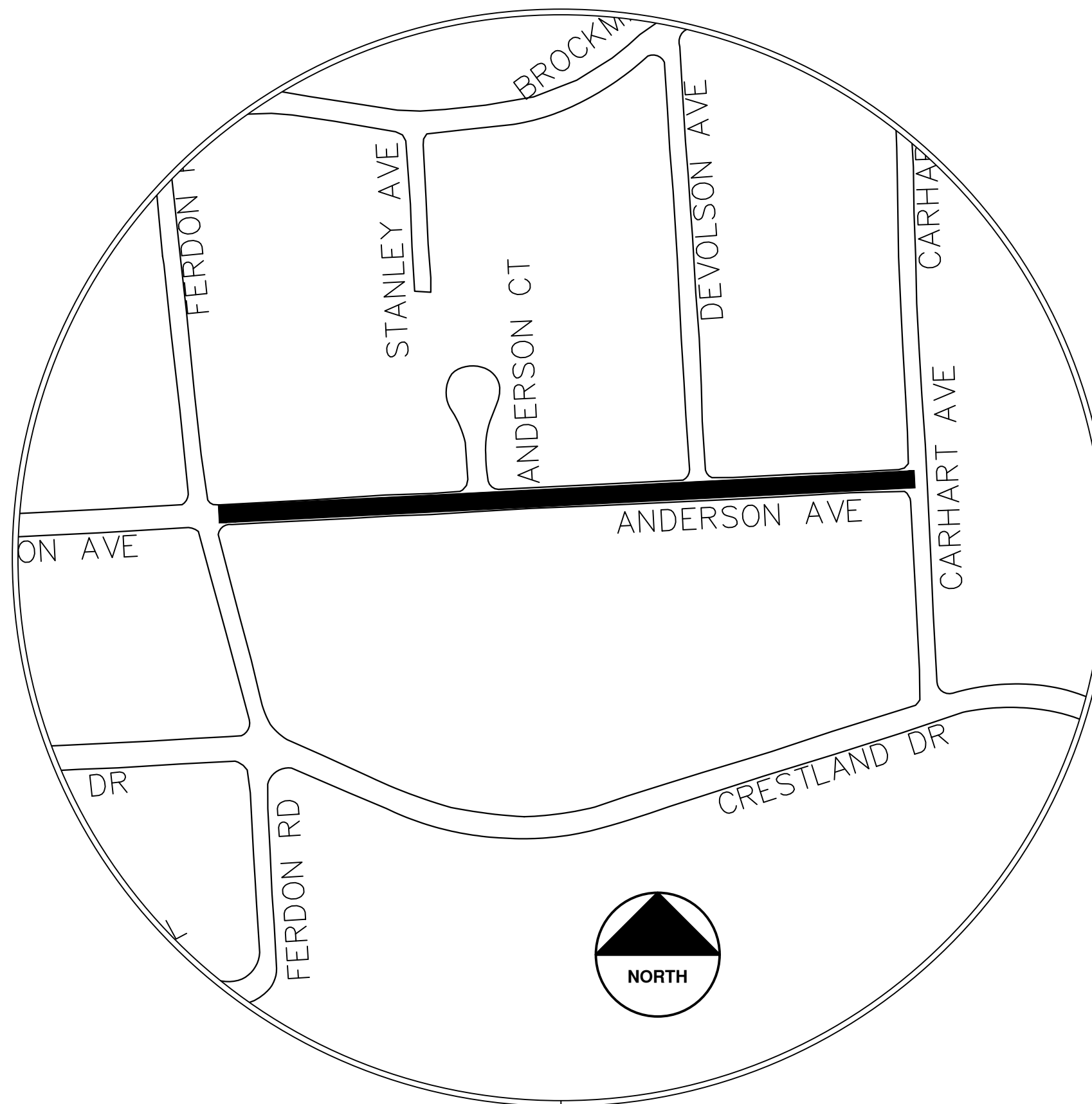
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
6. TEMPORARILY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
7. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH -- APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
8. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
9. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
10. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
11. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA MIXTURE.
12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
13. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING 4EL HMA MIXTURE.
14. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
15. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
16. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
19. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
20. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.



| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 7 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 3 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 6 |
| Cold-Milling HMA Surface | Syd | 2891 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 396 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 297 |
| DS_Grading Roadway | Syd | 2160 |
| Undercutting, Type III | Cyd | 44 |
| DS_Sanitary Structure Cover, Adjust | Ea | 5 |
| DS_Storm Structure Cover, Adjust | Ea | 6 |
| DS_Storm Curb Inlet Adjust | Ea | 1 |
| 12 In., PE Storm Sewer, SD-TD-2 | Ft | 8 |
| DS_Storm Single Inlet, 24 In. Dia., (0-8'deep) | Ea | 1 |
| Storm Sewer Pipe, 12 in. Dia., Rem | Ft | 7 |
| Storm Sewer Drop Structure, Rem | Ea | 1 |
| Water Gate Valve Box, Adjust | Ea | 5 |
| DS_Flowable Fill | Cyd | 1 |
| HMA, 4EL | Ton | 670 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 322 |
| Conc, Driveway Opening, Type M | Ft | 74 |
| Conc, Sidewalk, 4 in | Sft | 187 |
| Conc, Sidewalk or Ramp, 6 inch | Sft | 70 |
| Conc, Sidewalk, Drive Approach, or Ramp, 6 In. | Sft | 40 |
| Detectable Warning Surface | Ft | 10 |
| Pavt Mrkg, Polyurea, 12 In., Crosswalk | Ft | 80 |
| Pavt Mrkg, Polyurea, 24 In., Stop Bar | Ft | 14 |
| Turf Restoration | Syd | 136 |

T:\2025004\Plan Production\Cover Sheets\Anderson Ave.dwg - a2 standard bw.stb - Plot Date: 2/3/2025 12:00:17 PM



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| 02 | ADDENDUM 2 | 02/04/25 | 01/22/25 | RE/10/DW | RE/10/DW |
| 01 | BID SET | | | | |
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CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-0647
734.794.4410
www.aagov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

ANNUAL RESURFACING PROGRAM - 2025
ANDERSON AVE - COVER SHEET

DRAWING No.
2025-004-9

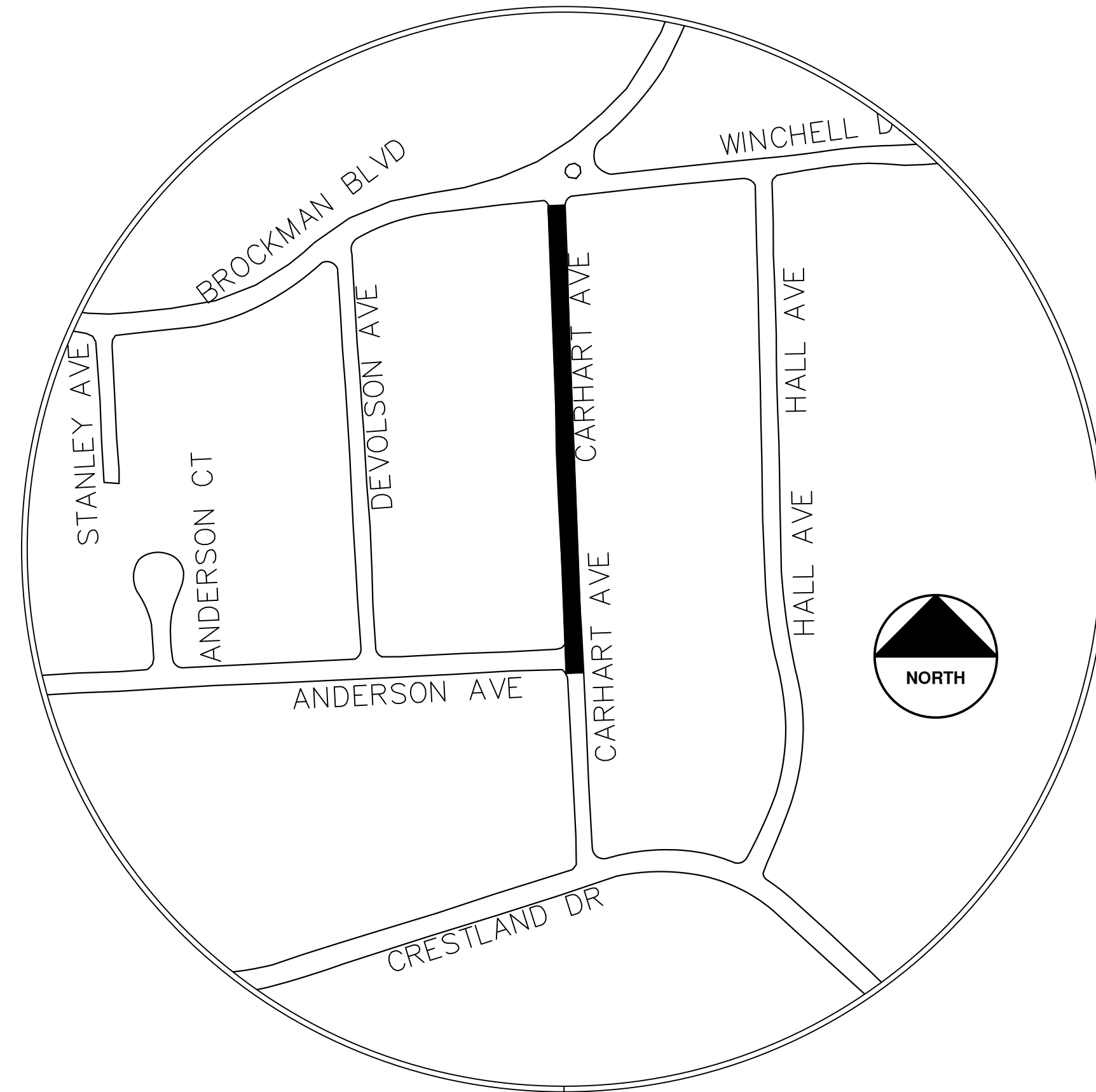
SHEET No.
9 OF 47



CITY OF ANN ARBOR ENGINEERING CARHART WINCHELL DR TO ANDERSON AVE

RFP No. 25-02, FILE No. 2025-004

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 3 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 37 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 12 |
| Temporary "No Parking" Sign | Ea | 24 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 40 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 2 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 3 |
| Temporary Pedestrian Mat, Furn & Oper | Ft | 30 |
| HMA Patch, Rem | Syd | 30 |
| Cold-Milling HMA Surface | Syd | 1770 |
| DS_Cold Milling, Plunge Cut | Syd | 176 |
| DS_HMA Surface, Around Structure Cover, Rem | Ea | 5 |
| DS_Concrete Pavt, Any Thickness, Rem, Pavt Repair | Syd | 17 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 520 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 35 |
| DS_Flowable Fill | Cyd | 1 |
| Hand Patching | Ton | 2 |
| HMA, 4EL | Ton | 210 |
| DS_HMA, Driveway Wedging | Ton | 4 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 200 |
| Conc, Driveway Opening, Type M | Ft | 320 |
| Conc, Sidewalk or Ramp, 6 inch | Sft | 35 |
| Detectable Warning Surface | Ft | 5 |
| Pavt Mrkg, Polyurea, 12 In., Crosswalk | Ft | 59 |
| Pavt Mrkg, Polyurea, 24 In., Stop Bar | Ft | 11 |
| Turf Restoration | Syd | 50 |



NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

CONSTRUCTION SCOPE AND SEQUENCING

(2" MILL & FILL CURB REVEAL)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM CURB REVEAL ON OVERLAID CURB SECTIONS PRIOR TO ANY OTHER WORK TO ALLOW THE ENGINEER TO VERIFY THE CONDITION OF THE EXISTING CURB AND ADD ANY CURB REMOVAL AND REPLACEMENT AS NEEDED.
3. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
4. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED. PLACE FLOW FILL ALONG FORM WORK GAP AT PEDESTRIAN RAMPS.
6. REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH - 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS DIRECTED BY THE ENGINEER. PERFORM ANY FULL DEPTH PLUNGE CUTS WHERE REMAINING LEFT OVER HMA BASE HAS FAILED.
7. PRIOR TO PLACING WEARING COURSE, PATCH FULL DEPTH PLUNGE CUT AREAS UP TO LEVELING/ PATCH BACK AREA AS BASE COURSE WITH HOT MIX ASPHALT (HMA) AND ACHIEVE DENSITY USING 4EL HMA MIXTURE. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING 4EL HMA MIXTURE.
8. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
9. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
10. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
11. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
12. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
13. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.



| | | | | | | |
|--|------------|---------|----------|----------|----------|---------|
| | | | 02/04/25 | 01/22/25 | | |
| | ADDENDUM 2 | BID SET | | | | |
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CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48107-0647
734.794.4410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
CARHART
COVER SHEET 1-A
DRAWING No. 2025-004-10

SHEET No. 10 OF 47

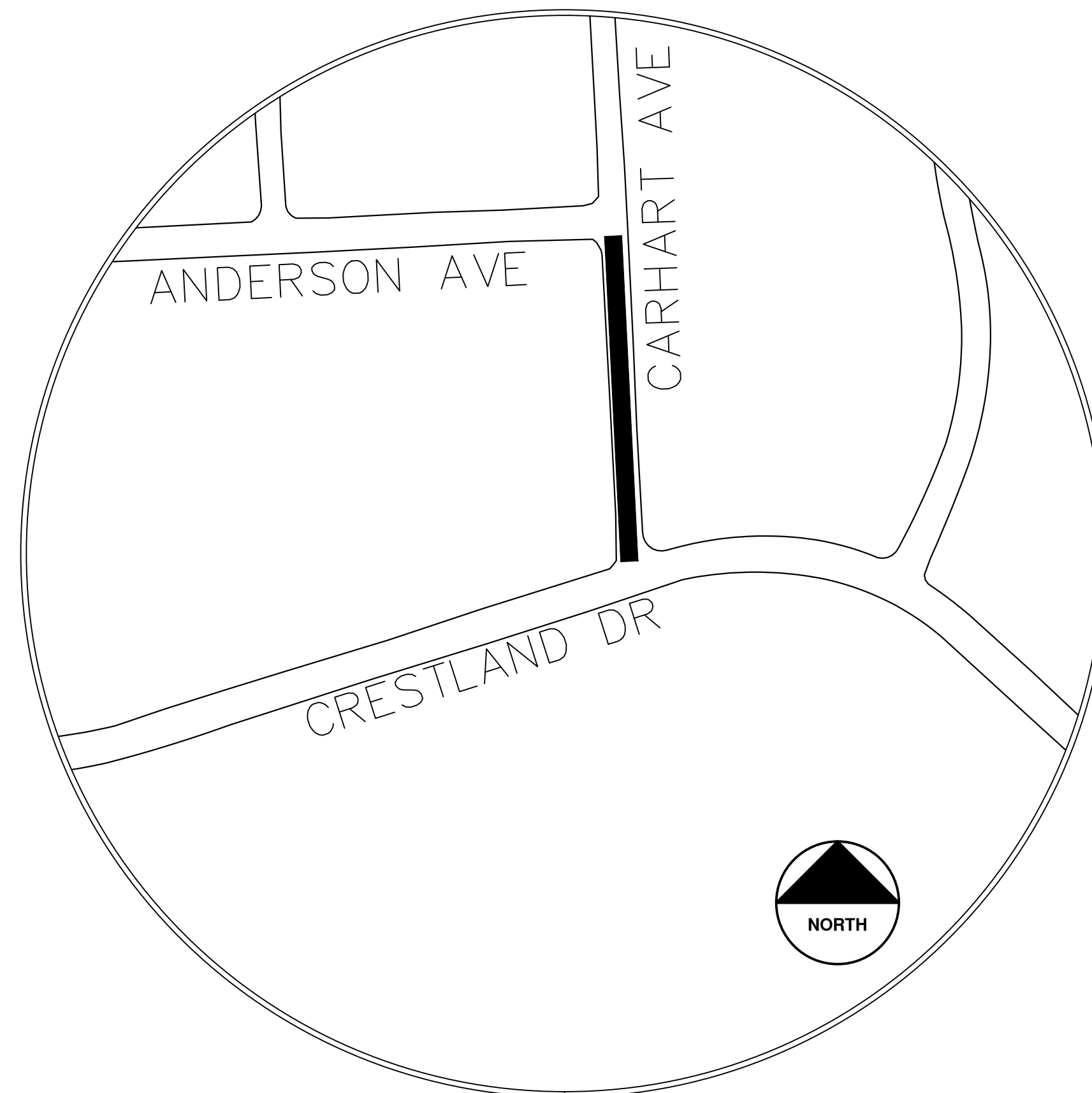


CITY OF ANN ARBOR ENGINEERING

CARHART ANDERSON AVE TO CRESTLAND DR

RFP No. 25-02, FILE No. 2025-004

| Item Description | Unit | Estimate Qty |
|---|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 2 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 47 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 12 |
| Temporary "No Parking" Sign | Ea | 16 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 25 |
| HMA Patch, Rem | Syd | 14 |
| Cold-Milling HMA Surface | Syd | 742 |
| DS_Cold Milling for Concrete Curb and Gutter Reveal | Syd | 103 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 190 |
| DS_Grading Roadway | Syd | 742 |
| Undercutting, Type III | Cyd | 15 |
| DS_Sanitary Structure Cover, Adjust | Ea | 1 |
| DS_Storm Structure Cover, Adjust | Ea | 1 |
| DS_Storm Curb Inlet Adjust | Ea | 1 |
| 12 In., PE Storm Sewer, SD-TD-2 | Ft | 8 |
| DS_Storm Single Inlet, 24 In. Dia., (0-8'deep) | Ea | 1 |
| Storm Sewer Pipe, 12 in. Dia., Rem | Ft | 7 |
| Storm Sewer Drop Structure, Rem | Ea | 1 |
| DS_Storm Structure Cover, Type K | Ea | 1 |
| Water Gate Valve Box, Adjust | Ea | 1 |
| HMA, 4EL | Ton | 190 |
| DS_HMA, Driveway Wedging | Ton | 2 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 127 |
| Conc, Driveway Opening, Type M | Ft | 63 |
| Pavt Mrkg, Polyurea, 12 In., Crosswalk | Ft | 64 |
| Pavt Mrkg, Polyurea, 24 In., Stop Bar | Ft | 11 |
| Turf Restoration | Syd | 30 |



NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM CURB REVEAL ON OVERLAID CURB SECTIONS PRIOR TO ANY OTHER WORK TO ALLOW THE ENGINEER TO VERIFY THE CONDITION OF THE EXISTING CURB AND ADD ANY CURB REMOVAL AND REPLACEMENT AS NEEDED.
3. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
4. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
5. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
6. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
7. TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
8. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
9. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
10. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
11. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
12. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA MIXTURE.
13. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
14. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING 4EL HMA MIXTURE.
15. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
16. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
17. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
18. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
19. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
20. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
21. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.



| NO. | DATE | DESCRIPTION | BY | CHECKED |
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| 02 | 02/04/25 | ADDENDUM 2 | BE/VO/DW | NB |
| 01 | 01/22/25 | BID SET | BE/VO/DW | NB |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-6647
734.794.6410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
CARHART
COVER SHEET 1-B

SCALE
DRAWING No.
2025-004-11



CITY OF ANN ARBOR ENGINEERING DEVOLSON AVE

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

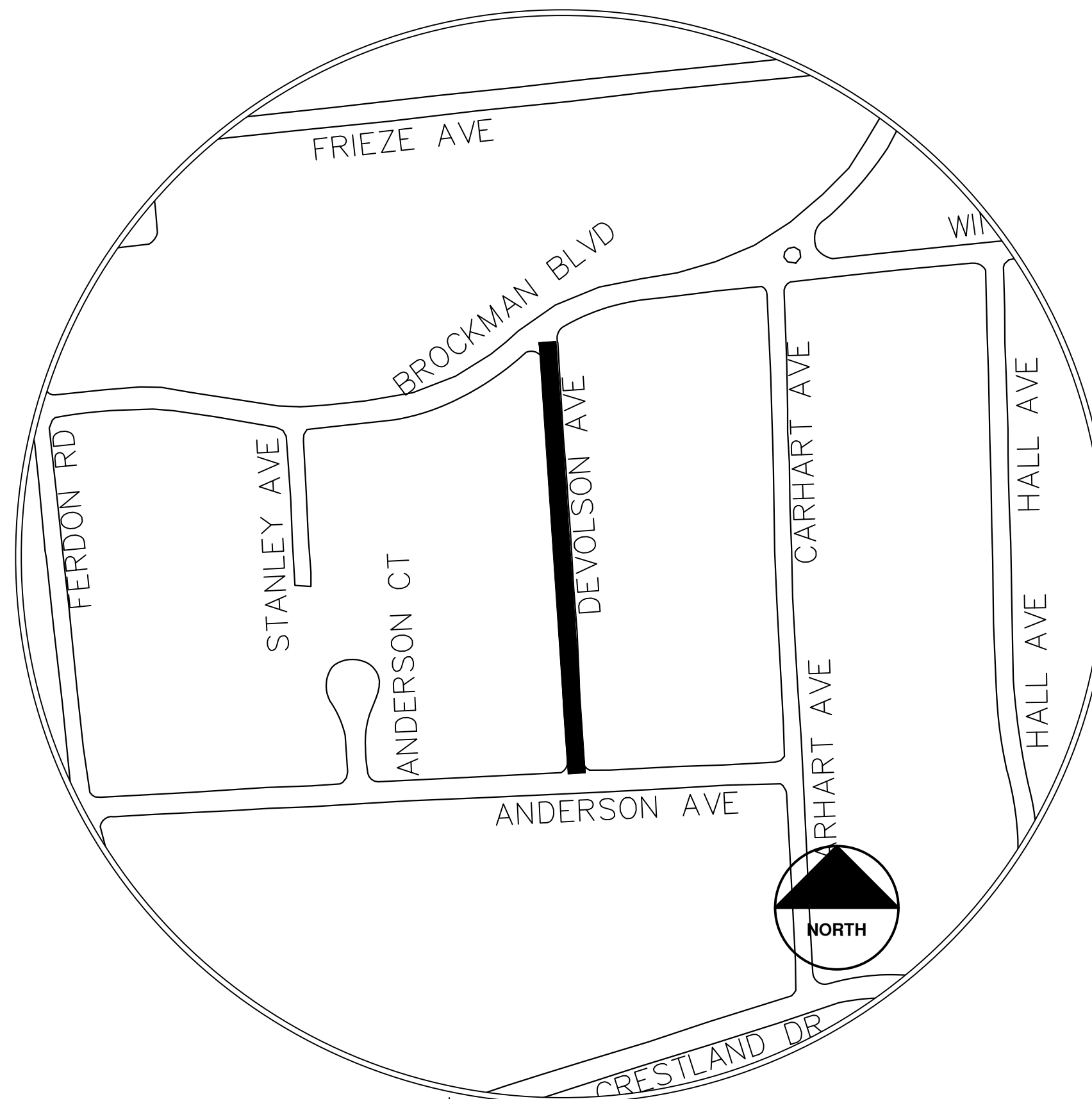
2" MILL & FILL

CONSTRUCTION SCOPE AND SEQUENCING (2" MILL & FILL)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.. PLACE FLOW FILL ALONG FORM WORK GAP AT PEDESTRIAN RAMPS.
- REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH - 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS DIRECTED BY THE ENGINEER. PERFORM ANY FULL DEPTH PLUNGE CUTS WHERE REMAINING LEFT OVER HMA BASE HAS FAILED
- PRIOR TO PLACING WEARING COURSE, PATCH FULL DEPTH PLUNGE CUT AREAS UP TO LEVELING/ PATCH BACK AREA AS BASE COURSE WITH HOT MIX ASPHALT (HMA) AND ACHIEVE DENSITY USING 4EL HMA MIXTURE.CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING 4EL HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Silt Fence | Ft | 4 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 56 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 16 |
| Temporary "No Parking" Sign | Ea | 26 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 30 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 2 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 6 |
| Cold-Milling HMA Surface | Syd | 1359 |
| DS_HMA Surface, Around Structure Cover, Rem | Ea | 2 |
| DS_Concrete Pavt, Any Thickness, Rem, Pavt Repair | Syd | 9 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 203 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 75 |
| DS_Flowable Fill | Cyd | 1 |
| Hand Patching | Ton | 1 |
| HMA, 4EL | Ton | 160 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 164 |
| Conc, Driveway Opening, Type M | Ft | 39 |
| Conc, Sidewalk or Ramp, 6 inch | Sft | 75 |
| Detectable Warning Surface | Ft | 10 |
| Turf Restoration | Syd | 50 |



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| | | | | | REV. |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48107-8647
734.794.6410
www.a3gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
DEVOLSON AVE - COVER SHEET

SCALE
DRAWING No.
2025-004-12

SHEET No.
12 OF 47



CITY OF ANN ARBOR ENGINEERING ESSEX AVE

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

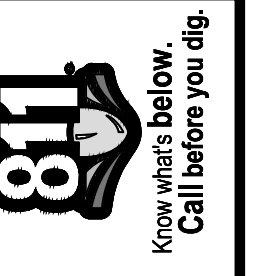
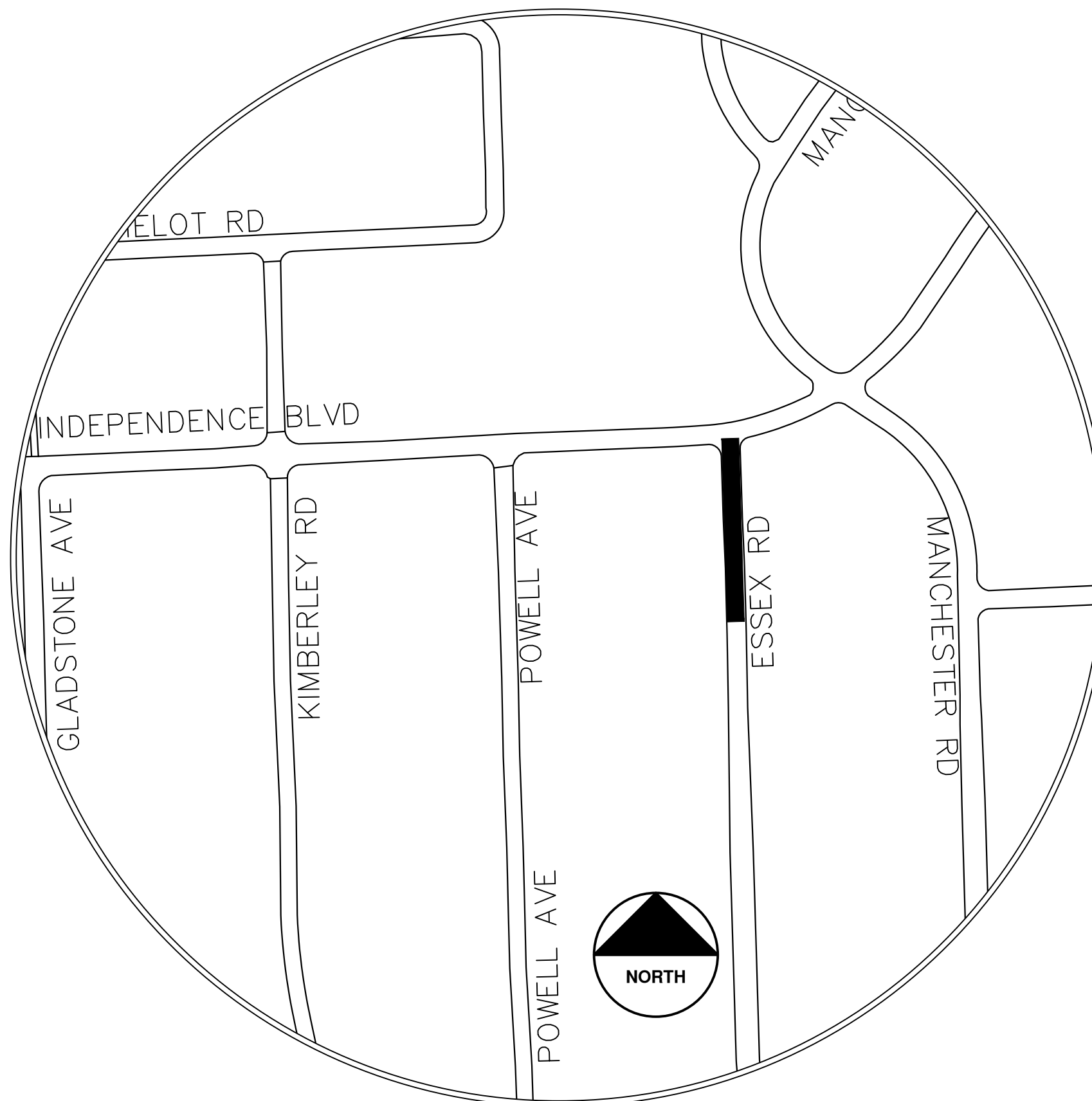
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CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW, PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
6. TEMPORARILY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
7. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
8. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
9. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
10. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
11. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA MIXTURE.
12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
13. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING 4EL HMA MIXTURE.
14. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
15. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
16. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGINGS FOR DRIVEWAYS AS REQUIRED.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
19. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
20. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 2 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 56 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 16 |
| Temporary "No Parking" Sign | Ea | 12 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 40 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 2 |
| Cold-Milling HMA Surface | Syd | 1033 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 726 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 1308 |
| DS_Grading Roadway | Syd | 1286 |
| Undercutting, Type III | Cyd | 21 |
| DS_Sanitary Structure Cover, Adjust | Ea | 1 |
| DS_Storm Curb Inlet Adjust | Ea | 2 |
| DS_Water Structure Cover, Adjust | Ea | 1 |
| HMA, 4EL | Ton | 240 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 529 |
| Conc, Driveway Opening, Type M | Ft | 197 |
| Conc, Sidewalk, 4 in | Sft | 11 |
| Conc, Sidewalk, Drive Approach, or Ramp, 6 in. | Sft | 1286 |
| Pavt Mrkg, Polyurea, 12 In., Crosswalk | Ft | 88 |
| Pavt Mrkg, Polyurea, 24 In., Stop Bar | Ft | 13 |
| Turf Restoration | Syd | 200 |



| NO. | DATE | BY | DESCRIPTION |
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| 02 | 02/04/25 | CE/VO/DW | ADDENDUM 2 |
| 01 | 01/22/25 | CE/VO/DW | BID SET |
| | | | DRAWN |
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CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-6647
734.794.4410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

ANNUAL RESURFACING PROGRAM - 2025
ESSEX AVE - COVER SHEET

DRAWING No.
2025-004-13



CITY OF ANN ARBOR ENGINEERING

FERDON RD CRESTLAND TO SOUTH

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

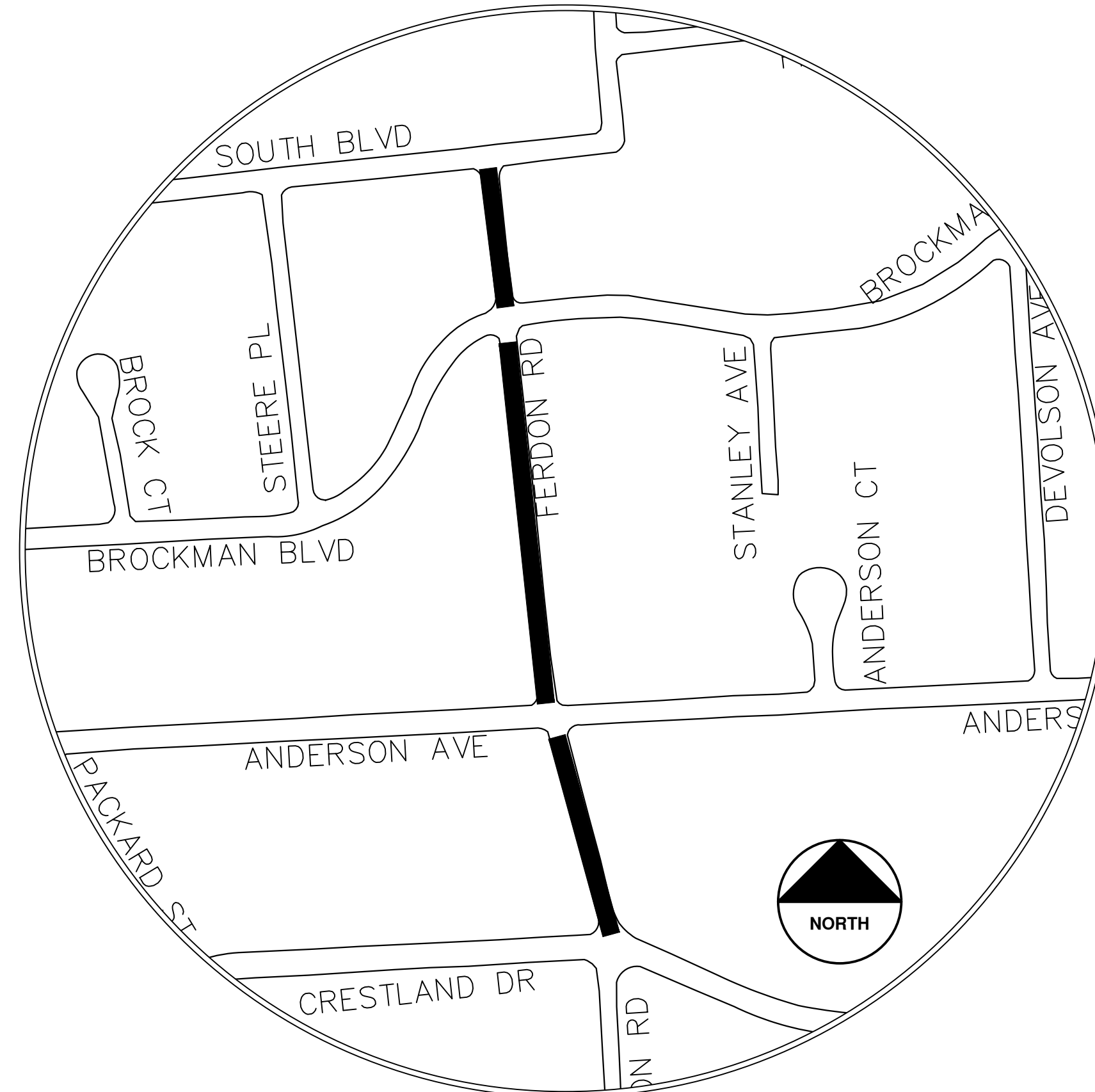
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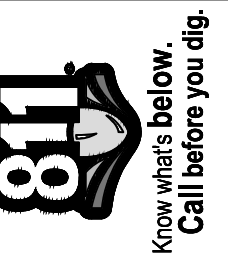
CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW, PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING 4EL HMA MIXTURE.
- CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGINGS FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.



| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 14 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 123 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 28 |
| Temporary "No Parking" Sign | Ea | 46 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 65 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 6 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 6 |
| Cold-Milling HMA Surface | Syd | 2414 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 656 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 671 |
| DS_Grading Roadway | Syd | 2414 |
| Undercutting, Type III | Cyd | 49 |
| DS_Sanitary Structure Cover, Adjust | Ea | 4 |
| DS_Storm Structure Cover, Adjust | Ea | 1 |
| DS_Storm Curb Inlet Adjust | Ea | 4 |
| 12 In., PE Storm Sewer, SD-TD-2 | Ft | 24 |
| DS_Storm Single Inlet, 24 In. Dia., (0-8"deep) | Ea | 3 |
| Storm Sewer Pipe, 12 in. Dia., Rem | Ft | 21 |
| Storm Sewer Drop Structure, Rem | Ea | 3 |
| Water Gate Valve Box, Adjust | Ea | 1 |
| DS_Flowable Fill | Cyd | 2 |
| HMA, 4EL | Ton | 560 |
| DS_Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height | Sft | 6 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 365 |
| Conc, Driveway Opening, Type M | Ft | 291 |
| Conc, Sidewalk, 4 in | Sft | 161 |
| Conc, Sidewalk or Ramp, 6 inch | Sft | 114 |
| Conc, Sidewalk, Drive Approach, or Ramp, 6 In. | Sft | 396 |
| Detectable Warning Surface | Ft | 15 |
| Pavt Mrkg, Polyurea, 12 In., Crosswalk | Ft | 128 |
| Pavt Mrkg, Polyurea, 24 In., Stop Bar | Ft | 25 |
| Turf Restoration | Syd | 160 |



| NO. | DATE | DESCRIPTION | BY | CHECKED |
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| 02 | 02/04/25 | ADDENDUM 2 | CE/VO/DW | NB |
| 01 | 07/22/25 | BID SET | CE/VO/DW | NB |
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CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48107-8647
www.a2gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
FERDON RD - COVER SHEET 1-A

SHEET No.
14 OF 47



CITY OF ANN ARBOR ENGINEERING FERDON RD STADIUM TO SOUTH

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

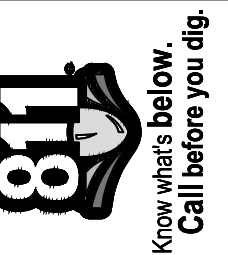
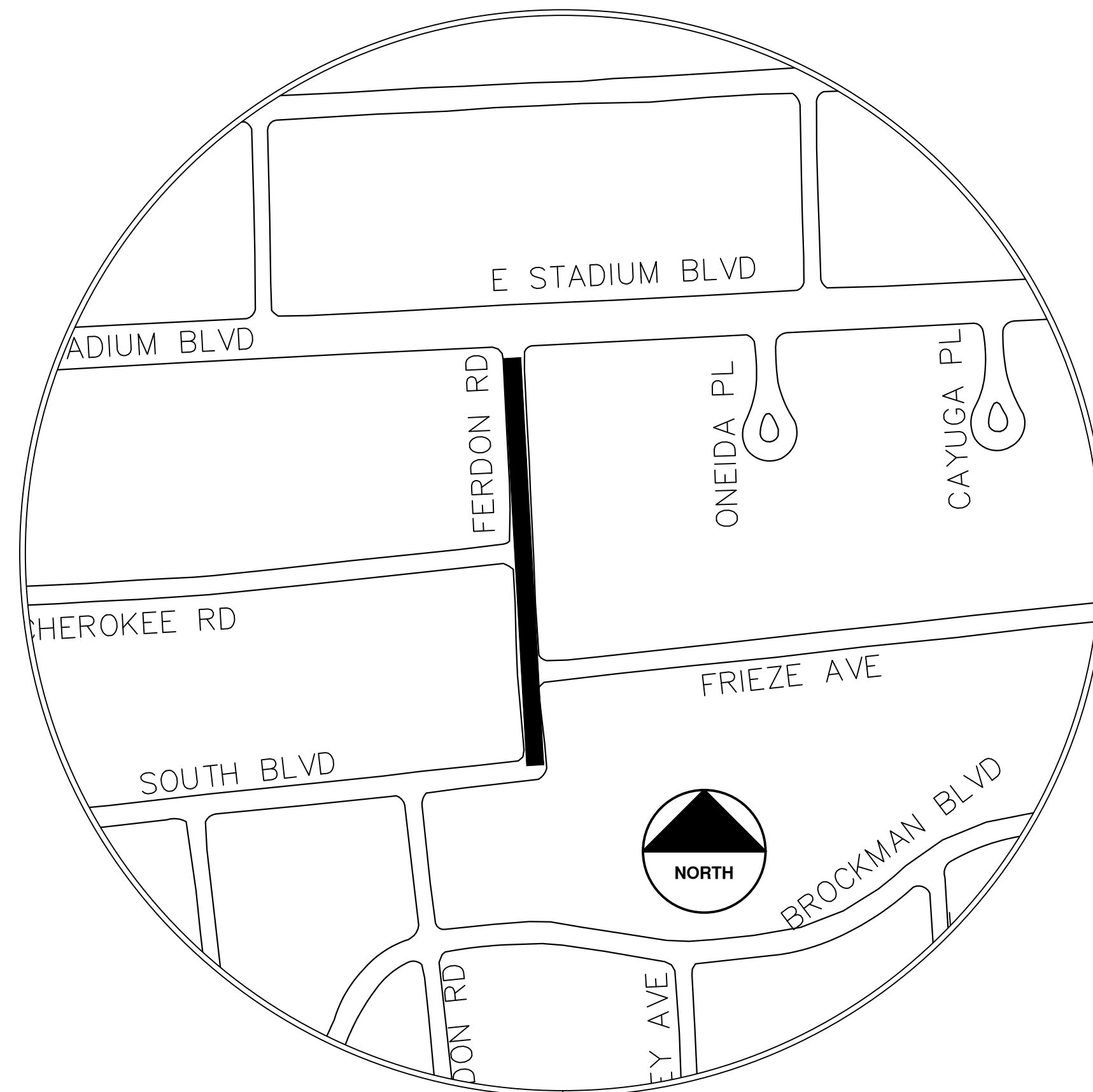
THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

CONSTRUCTION SCOPE AND SEQUENCING (REHAB-CURB REVEAL)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM CURB REVEAL ON OVERLAID CURB SECTIONS PRIOR TO ANY OTHER WORK TO ALLOW THE ENGINEER TO VERIFY THE CONDITION OF THE EXISTING CURB AND ADD ANY CURB REMOVAL AND REPLACEMENT AS NEEDED.
3. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
4. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
5. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
6. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
7. TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
8. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
9. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
10. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
11. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
12. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA MIXTURE.
13. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
14. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING 4EL HMA MIXTURE.
15. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
16. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
17. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
18. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
19. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
20. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
21. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 8 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 123 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 20 |
| Temporary "No Parking" Sign | Ea | 22 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 35 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 5 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 4 |
| Cold-Milling HMA Surface | Syd | 2470 |
| DS_Cold Milling for Concrete Curb and Gutter Reveal | Syd | 179 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 243 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 867 |
| DS_Grading Roadway | Syd | 1645 |
| DS_Grading, Sidewalk, Ramp & Driveway Approach | Sft | 286 |
| Undercutting, Type III | Cyd | 33 |
| DS_Sanitary Structure Cover, Adjust | Ea | 3 |
| DS_Storm Structure Cover, Adjust | Ea | 2 |
| DS_Storm Curb Inlet Adjust | Ea | 2 |
| 12 In., CL IV RCP Storm Sewer, SD-TD-1 | Ft | 20 |
| 12 In., PE Storm Sewer, SD-TD-2 | Ft | 8 |
| DS_Storm Single Inlet, 24 In. Dia., (0-8"deep) | Ea | 1 |
| DS_Storm High Capacity Inlet, 48 In. Dia., (0-8"deep) | Ea | 1 |
| Storm Sewer Pipe, 12 in. Dia., Rem | Ft | 27 |
| Storm Sewer Drop Structure, Rem | Ea | 2 |
| DS_Storm Structure Cover, Type HC | Ea | 1 |
| Underdrain, Subgrade, 6 inch | Ft | 20 |
| Water Gate Valve Box, Adjust | Ea | 1 |
| DS_Flowable Fill | Cyd | 2 |
| HMA, 4EL | Ton | 410 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 413 |
| Conc, Driveway Opening, Type M | Ft | 140 |
| Conc, Sidewalk, 4 in | Sft | 515 |
| Conc, Sidewalk or Ramp, 6 inch | Sft | 144 |
| Conc, Sidewalk, Drive Approach, or Ramp, 6 In. | Sft | 467 |
| Detectable Warning Surface | Ft | 10 |
| Pavt Mrkg, Polyurea, 12 In., Crosswalk | Ft | 80 |
| Pavt Mrkg, Polyurea, 24 In., Stop Bar | Ft | 12 |
| Turf Restoration | Syd | 110 |



| NO. | DATE | DESCRIPTION | BY | CHECKED |
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| 02 | 02/04/25 | ADDENDUM 2 | CE/VO/DW | NB |
| 01 | 01/22/25 | BID SET | CE/VO/DW | NB |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-0647
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
FERDON RD - COVER SHEET 1-B

DRAWING No.
2025-004-15



CITY OF ANN ARBOR ENGINEERING GLADSTONE AVE

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

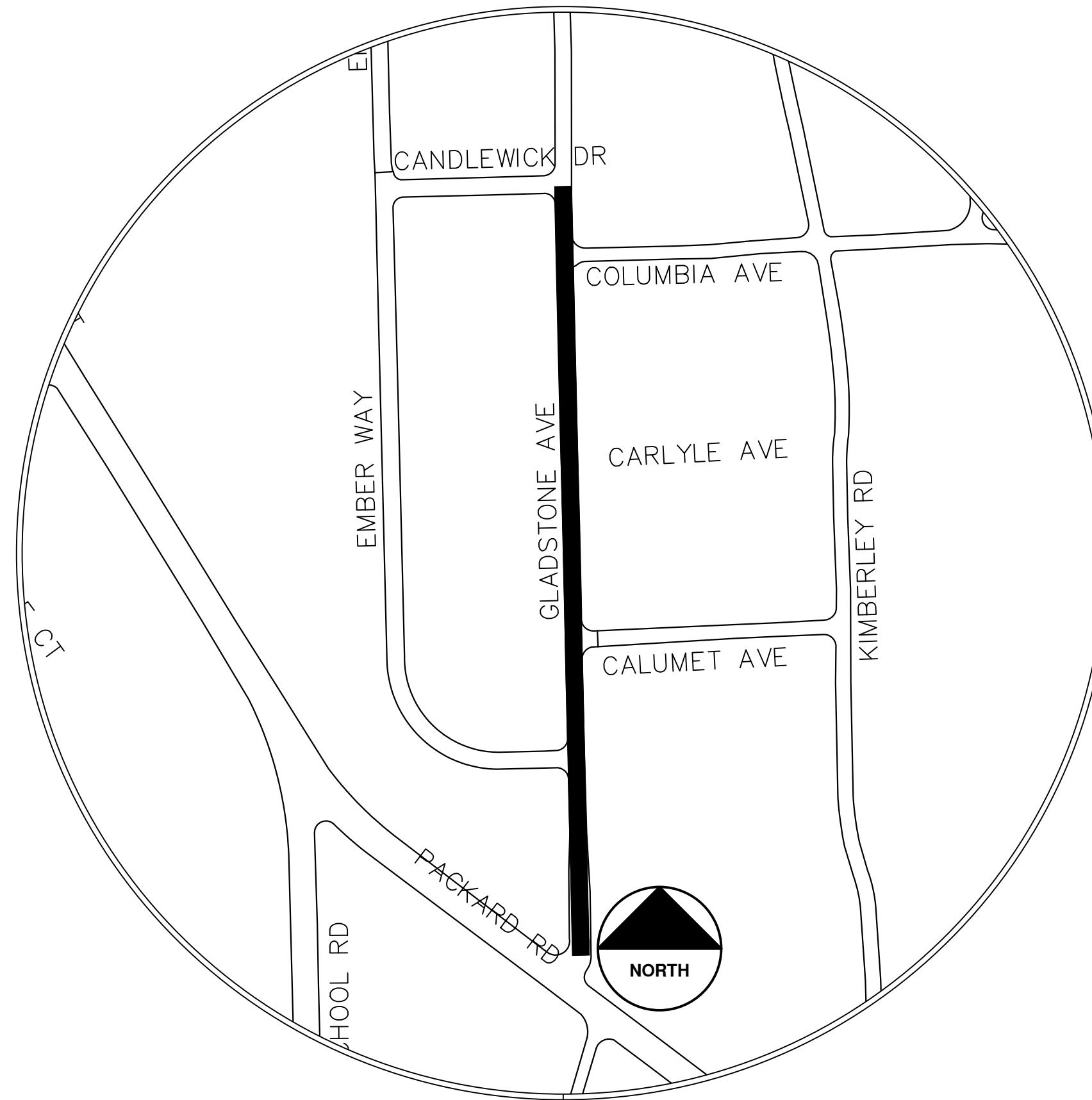
THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

**CONSTRUCTION SCOPE AND SEQUENCING
GLADSTONE AVE (REHAB)**

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- PERFORM UNDERCUT AND BANK STABILIZATION USING 1X3 AGGREGATE AND GEOSTABILIZATION FABRIC AND PLACE A MINIMUM OF 4 INCHES OF TOPSOIL BEHIND CURB.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARILY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE TACK COAT AND PLACE 2.0 INCH HMA TOP COURSE USING 4EL HMA MIXTURE, WITH APPROVAL FROM THE ENGINEER.
- CLEAN PAVEMENT AND PLACE TACK COAT, PLACE SIDE STREET HMA (TOP COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
- CLEAN PAVEMENT AND PLACE HMA WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 15 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 113 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 28 |
| Temporary "No Parking" Sign | Ea | 46 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 60 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 5 |
| Cold-Milling HMA Surface | Syd | 3764 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 310 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 135 |
| DS_Grading Roadway | Syd | 3802 |
| Undercutting, Type III | Cyd | 76 |
| DS_Undercutting, Type IIC | Cyd | 80 |
| DS_Sanitary Structure Cover, Adjust | Ea | 7 |
| DS_Storm Structure Cover, Adjust | Ea | 1 |
| Storm Sewer Tap, 12 In. Dia | Ea | 2 |
| Underdrain, Subgrade, 6 inch | Ft | 200 |
| DS_Water Structure Cover, Adjust | Ea | 1 |
| Water Gate Valve Box, Adjust | Ea | 2 |
| DS_Aggregate Base Course, 21AA, CIP | Ton | 10 |
| DS_Geotextile, Separator Fabric | Syd | 140 |
| HMA, 4EL | Ton | 870 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 310 |
| Pavt Mrkg, Polyurea, 12 In., Crosswalk | Ft | 155 |
| Pavt Mrkg, Polyurea, 24 In., Stop Bar | Ft | 26 |
| Turf Restoration | Syd | 70 |



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| 02 | 02/04/25 | ADDENDUM 2 | CE/VO/DW | NB |
| 01 | 01/22/25 | BID SET | CE/VO/DW | NB |
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CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-6647
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
GLADSTONE AVE - COVER SHEET

DRAWING No.
2025-004-16



CITY OF ANN ARBOR ENGINEERING GLOUCESTER WAY

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

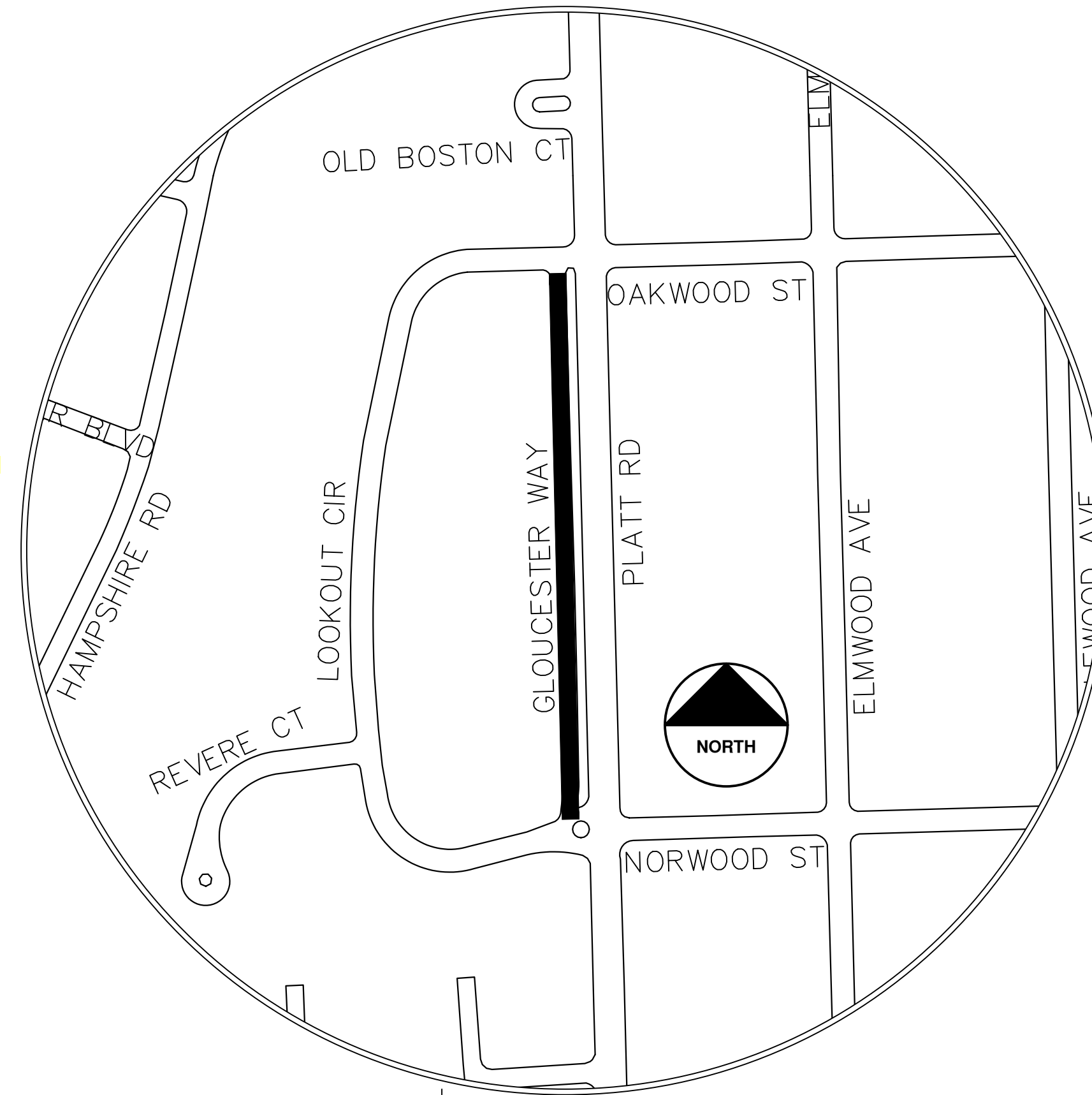
THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
6. TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
7. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 5 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
8. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
9. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
10. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
11. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING SEL HMA MIXTURE.
12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
13. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
14. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING SEL HMA MIXTURE.
15. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
16. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
19. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
20. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 7 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 66 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 16 |
| Temporary "No Parking" Sign | Ea | 30 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 45 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 3 |
| Cold-Milling HMA Surface | Syd | 1906 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 458 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 142 |
| DS_Grading Roadway | Syd | 1906 |
| Undercutting, Type III | Cyd | 39 |
| DS_Storm Structure Cover, Adjust | Ea | 1 |
| DS_Storm Curb Inlet Adjust | Ea | 7 |
| 12 In., PE Storm Sewer, SD-TD-2 | Ft | 48 |
| DS_Storm Single Inlet, 24 In., Dia., (0-8'deep) | Ea | 6 |
| Storm Sewer Pipe, 12 in. Dia., Rem | Ft | 42 |
| Storm Sewer Drop Structure, Rem | Ea | 6 |
| DS_Aggregate Base Course, 21AA, CIP | Ton | 20 |
| HMA, 4EL | Ton | 450 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 335 |
| Conc, Driveway Opening, Type M | Ft | 123 |
| Conc, Sidewalk, Drive Approach, or Ramp, 6 In. | Sft | 142 |
| Pavt Mrkg, Thermopl, 24 In., Stop Bar | Ft | 11 |
| Turf Restoration | Syd | 105 |



| NO. | DATE | DESCRIPTION | BY | CHECKED |
|-----|----------|-------------|----------|---------|
| 02 | 02/04/25 | ADDENDUM 2 | CE/VO/DW | NB |
| 01 | 01/22/25 | BID SET | CE/VO/DW | NB |
| | | | | DRAWN |
| | | | | CHECKED |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-1667
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SCALE
DRAWING No. 2025-004-17
ANNUAL RESURFACING PROGRAM - 2025
GLOUCESTER WAY - COVER SHEET



CITY OF ANN ARBOR

ENGINEERING

INDEPENDENCE BLVD

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

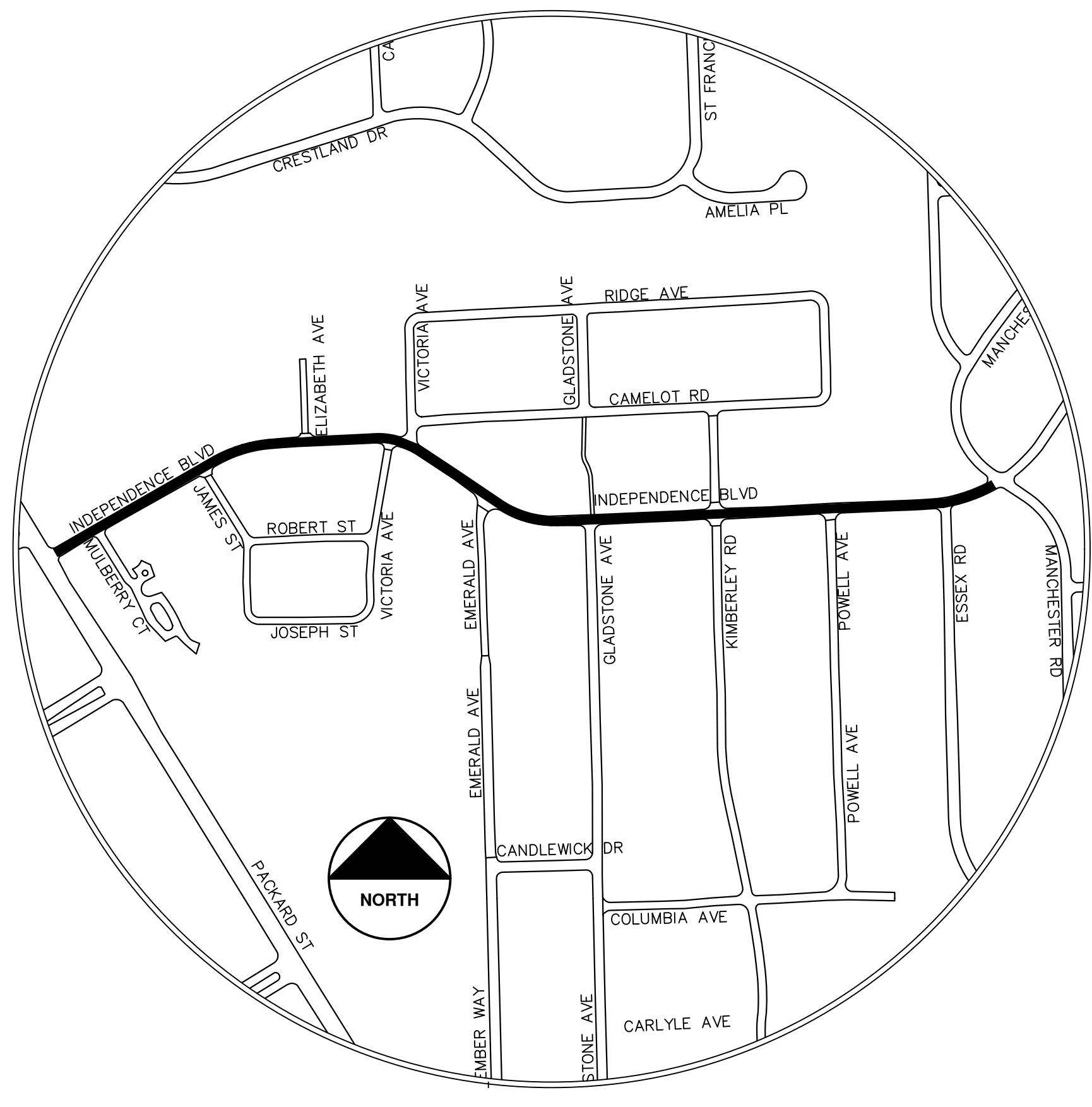
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

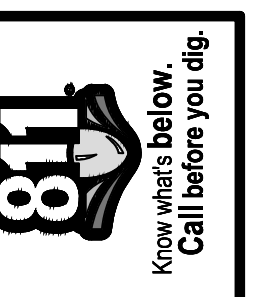
PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
6. TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
7. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH -- APPROXIMATELY 5 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
8. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
9. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
10. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
11. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA MIXTURE.
12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
13. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
14. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING 4EL HMA MIXTURE.
15. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
16. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
19. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
20. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.



| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 31 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 210 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 40 |
| Temporary "No Parking" Sign | Ea | 120 |
| Lighted Arrow, Type C, Furn & Oper | Ea | 1 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 160 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 12 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 4 |
| Cold-Milling HMA Surface | Syd | 8450 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 735 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 263 |
| DS_Grading Roadway | Syd | 8450 |
| Undercutting, Type III | Cyd | 175 |
| DS_Sanitary Structure Cover, Adjust | Ea | 16 |
| DS_Storm Structure Cover, Adjust | Ea | 8 |
| DS_Storm Curb Inlet Adjust | Ea | 12 |
| 12 In., PE Storm Sewer, SD-TD-2 | Ft | 72 |
| DS_Storm Single Inlet, 24 In. ,Dia., (0-8'deep) | Ea | 9 |
| Storm Sewer Pipe, 12 in. Dia., Rem | Ft | 63 |
| Storm Sewer Drop Structure, Rem | Ea | 9 |
| DS_Storm Structure Cover, Type K | Ea | 1 |
| DS_Storm Structure, Point | Ea | 9 |
| DS_Water Structure Cover, Adjust | Ea | 7 |
| DS_Flowable Fill | Cyd | 1 |
| HMA, 4EL | Ton | 1960 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 560 |
| Conc, Driveway Opening, Type M | Ft | 175 |
| Conc, Sidewalk or Ramp, 6 inch | Sft | 75 |
| Conc, Sidewalk, Drive Approach, or Ramp, 6 In. | Sft | 188 |
| DS_Speed Hump, Conc | Syd | 260 |
| Detectable Warning Surface | Ft | 10 |
| Pavt Mrkg, Polyurea, Speed Hump Chevron, White | Ea | 28 |
| Pavt Mrkg, Thermopl, 12 In., Crosswalk | Ft | 136 |
| Pavt Mrkg, Thermopl, 24 In., Stop Bar | Ft | 35 |
| Recessing Pavt Mrkg, Transv | Sft | 1008 |
| DS_Raised Device Delineator | Ea | 14 |
| Turf Restoration | Syd | 120 |

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| | | | CE / 10 / DW | NB | CHECKED |
| 02 | ADDENDUM 2 | 02/04/25 | CE / 10 / DW | NB | DRAWN |
| 01 | BID SET | 01/22/25 | DATE | | REV. |

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE

ANNUAL RESURFACING PROGRAM - 2025
INDEPENDENCE BLVD - COVER SHEET

DRAWING No. 2025-004-18

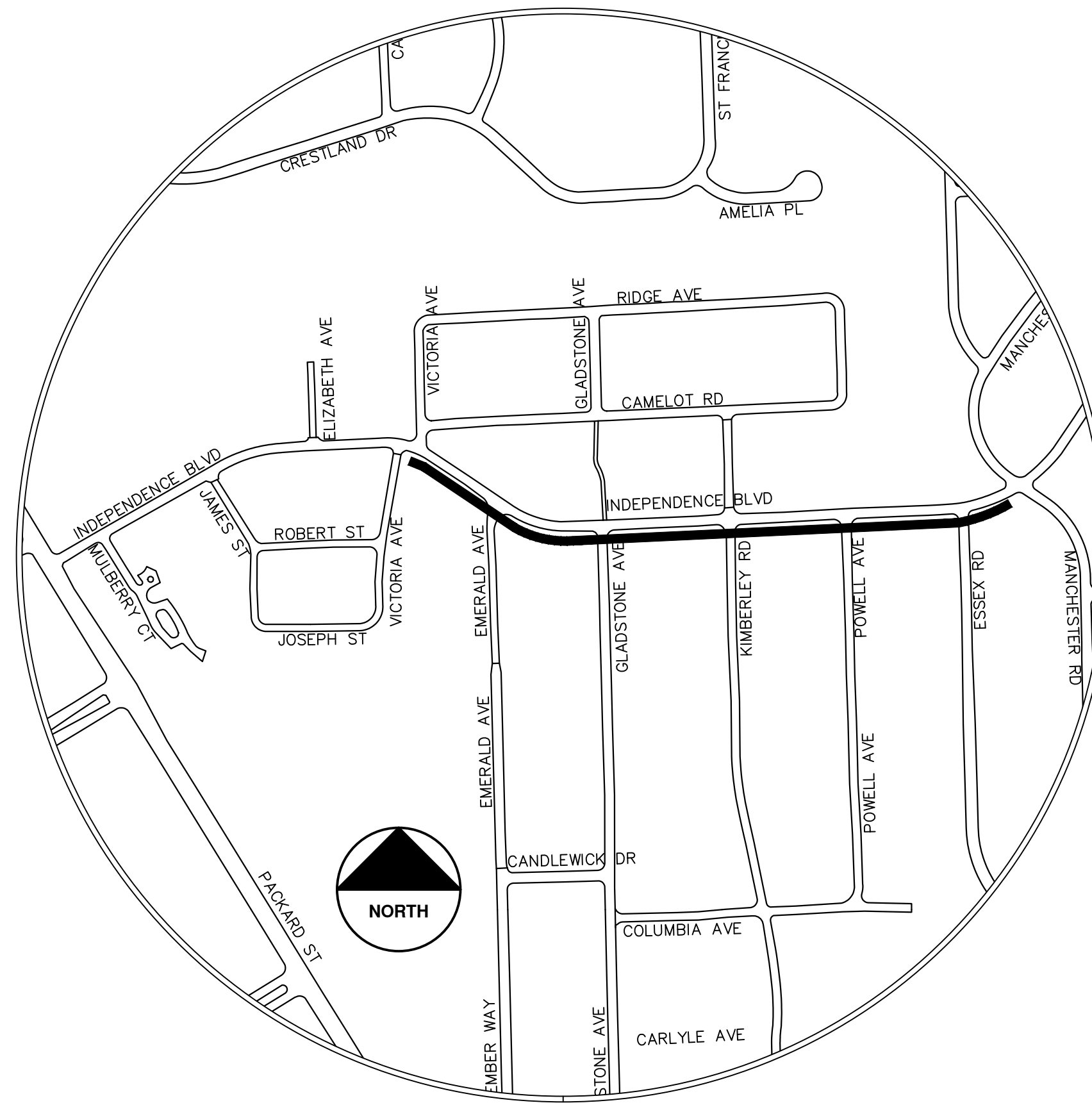
SHEET No. 18 OF 47



CITY OF ANN ARBOR ENGINEERING INDEPENDENCE BLVD SIDEWALK GAP PROJECT

RFP No. 25-02, FILE No. 2025-004

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| DS_Mailbox, Rem, Temp Relocate & Reinstall | Ea | 11 |
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 10 |
| Erosion Control, Silt Fence | Ft | 65 |
| DS_ Sign, Type IIIB | Sft | 90 |
| DS_Perforated Steel Square Tube Breakaway System | Ea | 5 |
| Stump, Rem | Ea | 4 |
| HMA, Any Thickness, Rem | Syd | 65 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 508 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 2461 |
| Sign, Rem, Salv | Ea | 4 |
| DS_Grading, Sidewalk, Ramp & Driveway Approach | Sft | 8212 |
| DS_Storm Curb Inlet Adjust | Ea | 2 |
| Water Gate Valve Box, Adjust | Ea | 2 |
| Curb Box, Adjust | Ea | 2 |
| DS_Aggregate Base Course, 21AA, CIP | Ton | 39 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 210 |
| Conc, Driveway Opening, Type M | Ft | 266 |
| Conc, Sidewalk, 4 in | Sft | 5098 |
| Conc, Sidewalk or Ramp, 6 inch | Sft | 1622 |
| Conc, Sidewalk, Drive Approach, or Ramp, 6 In. | Sft | 1512 |
| Detectable Warning Surface | Ft | 64 |
| Pavt Mrkg, Polyurea, 12 In., Crosswalk | Ft | 544 |
| Turf Restoration | Syd | 692 |



NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

**INDEPENDENCE SIDEWALK GAP
CONSTRUCTION SCOPE AND SEQUENCING**

PERFORM WORK ON THIS SHARED USE PATH/ASPHALT SIDEWALK IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ACTIVATES LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS. OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC (M.O.T.) PLAN FROM THE ENGINEER PRIOR TO COMMENCING WITH ANY WORK. ANY/ALL TEMPORARY LANE CLOSURES REQUIRED FOR THIS WORK SHALL SET UP AND REMOVED, RESPECTIVELY, AT THE BEGINNING AND END OF EACH WORKDAY.

1. IMPLEMENT M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. STAKING REQUEST SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.
3. TEMPORARILY RELOCATE MAIL BOXES PRIOR TO THE START OF ANY CONSTRUCTION.
4. REMOVE TOPSOIL AND PERFORM EARTH WORK TO PREPARE FOR THE SIDEWALK GRADING PER THE PLANS AND CITY SPECIFICATIONS. THIS MAY INCLUDE BUT NOT LIMITED TO PROVIDING CLASS II SAND PER THE CITY SPECIFICATION TO ACHIEVE GRADE AND PLACE A MINIMUM OF 4 INCHES UNDER THE SIDEWALK.
5. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE TO COMPLETE NECESSARY HMA SURFACE AND CONCRETE SIDEWALK/PAVEMENT REMOVAL AND EARTHWORK/GRADING AS IDENTIFIED IN THE PLANSTO ACHIEVE OR AS DIRECTED BY THE ENGINEER
6. UPON APPROVAL OF THE SUBGRADE BY THE ENGINEER PLACE CONCRETE SIDEWALK, RAMPS AND DRIVE APPROACHES AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
7. COMPLETE ALL SLOPE RESTORATION WORK. REPLACE MAIL BOXES AND RESTORE ANY DISTURBED TOPSOIL.
8. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND PAVEMENT AND ALL OTHER NECESSARY CLEAN UP.
9. REMOVE ALL SESC MEASURES, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
10. OPEN SIDEWALK TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

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| 02 | ADDENDUM 2 | 02/04/25 | BE/VO/DW | NB | CHECKED |
| 01 | BID SET | 01/22/25 | BE/VO/DW | NB | CHECKED |
| | | | DATE | DRAWN | |
| | | | | | DESCRIPTION |

CITY OF ANN ARBOR
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301 EAST HURON STREET
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
INDEPENDENCE BLVD SIDEWALK GAP PROJECT
COVER SHEET

SCALE
DRAWING No.
2025-004-19

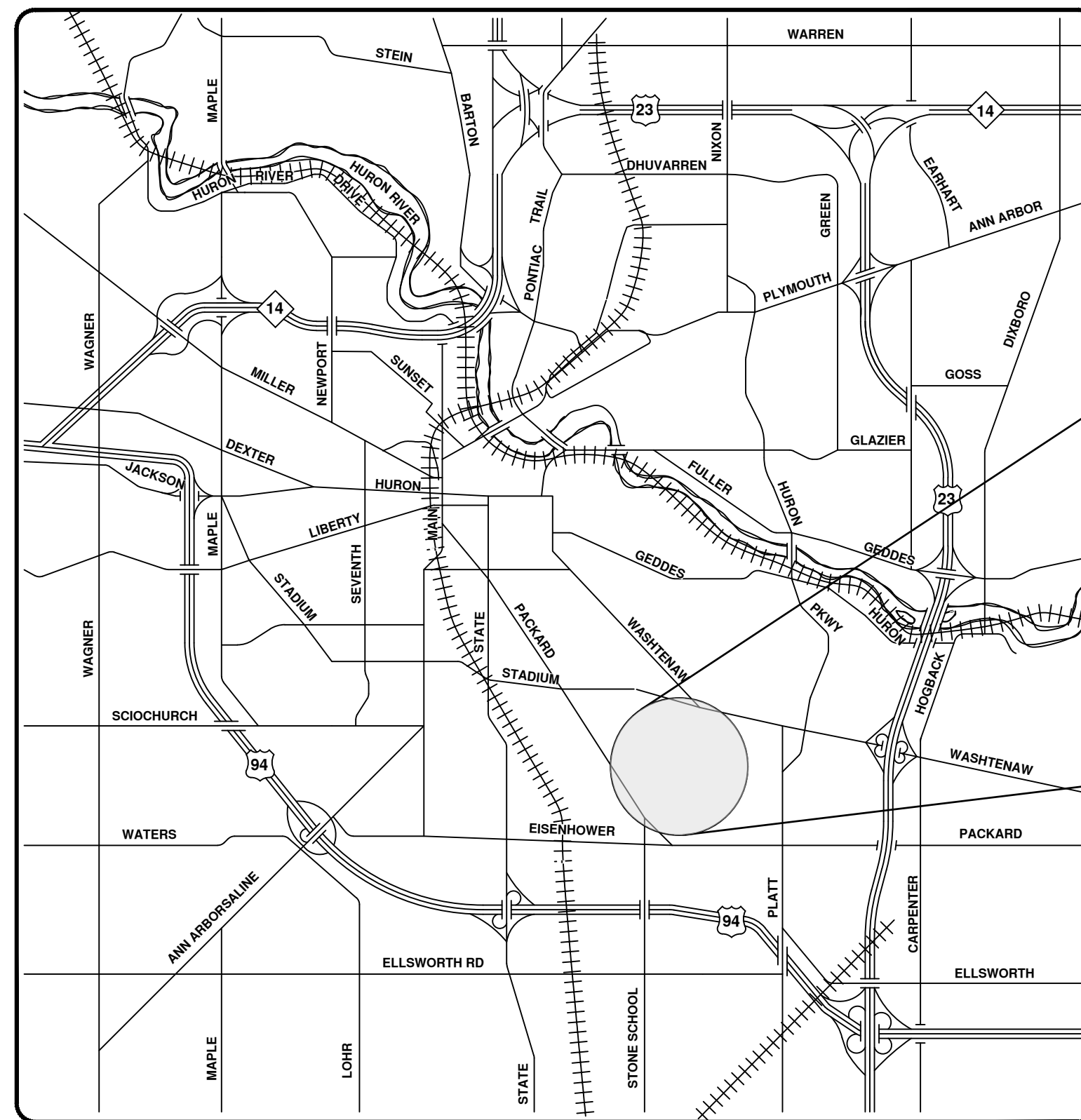
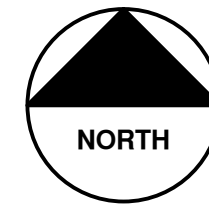


CITY OF ANN ARBOR ENGINEERING

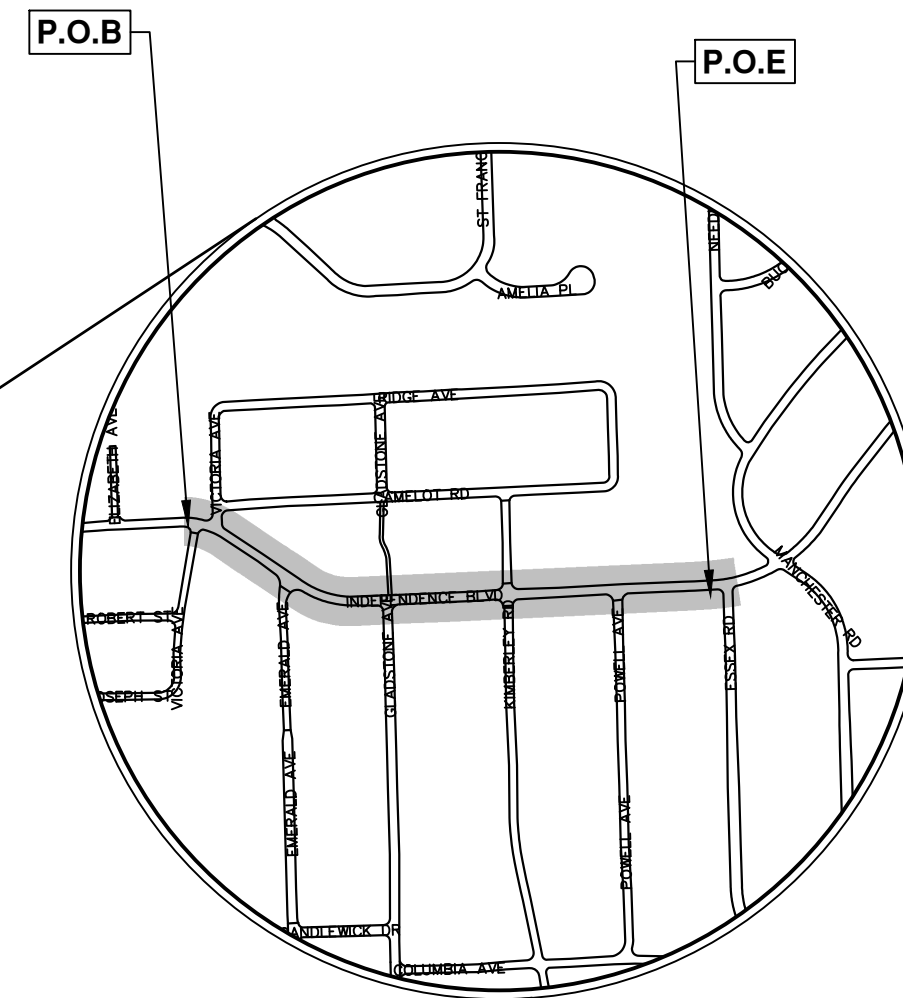
INDEPENDENCE BOULEVARD SIDEWALK GAP PROJECT

BID No. 25-02, FILE No. 2025-004

| SHEET LIST TABLE | |
|------------------|---|
| SHEET NUMBER | SHEET TITLE |
| 19-1 | COVER SHEET |
| 19-2 | STANDARD NOTES AND DETAILS |
| 19-3 | LEGEND |
| 19-4 | SESC NOTES AND DETAILS |
| 19-5 | PROPOSED ALIGNMENTS - STA. 0+00 TO STA. 8+00 |
| 19-6 | PROPOSED ALIGNMENTS - STA. 8+00 TO STA. 14+27 |
| 19-7 | REMOVALS AND PROPOSED - STA. 0+00 TO STA. 4+00 |
| 19-8 | REMOVALS AND PROPOSED - STA. 4+00 TO STA. 8+00 |
| 19-9 | REMOVALS AND PROPOSED - STA. 8+00 TO STA. 12+00 |
| 19-10 | REMOVALS AND PROPOSED - STA. 12+00 TO STA. 14+27 |
| 19-11 | PROPOSED GRADING - STA. 0+00 TO STA. 8+00 |
| 19-12 | PROPOSED GRADING - STA. 8+00 TO STA. 14+27 |
| 19-13 | PROPOSED PAVEMENT MARKING AND SIGNAGE - STA. 0+00 TO STA. 8+00 |
| 19-14 | PROPOSED PAVEMENT MARKING AND SIGNAGE - STA. 8+00 TO STA. 14+27 |



VICINITY MAP

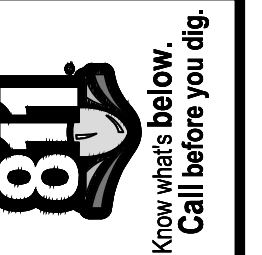


NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 2024 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS, ITS DETAILS, WHICH ARE INCLUDED BY REFERENCE, AND THIS PROJECT'S CONTRACT DOCUMENTS. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT.



| REV. | DESCRIPTION | DATE | DRAWN | CHECKED |
|------|--------------------|-----------|-------|---------|
| 04 | 99% DESIGN | 1/31/2025 | JM | ML2 |
| 03 | PUBLIC MEETING | 1/16/2025 | JM | ML2 |
| 02 | 90% DESIGN | 1/6/2025 | JM | ML2 |
| 01 | PRELIMINARY DESIGN | 11/6/2024 | JM | ML2 |
| | DESCRIPTION | | | |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
734.794.4410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
INDEPENDENCE BOULEVARD SIDEWALK GAP PROJECT
COVER SHEET

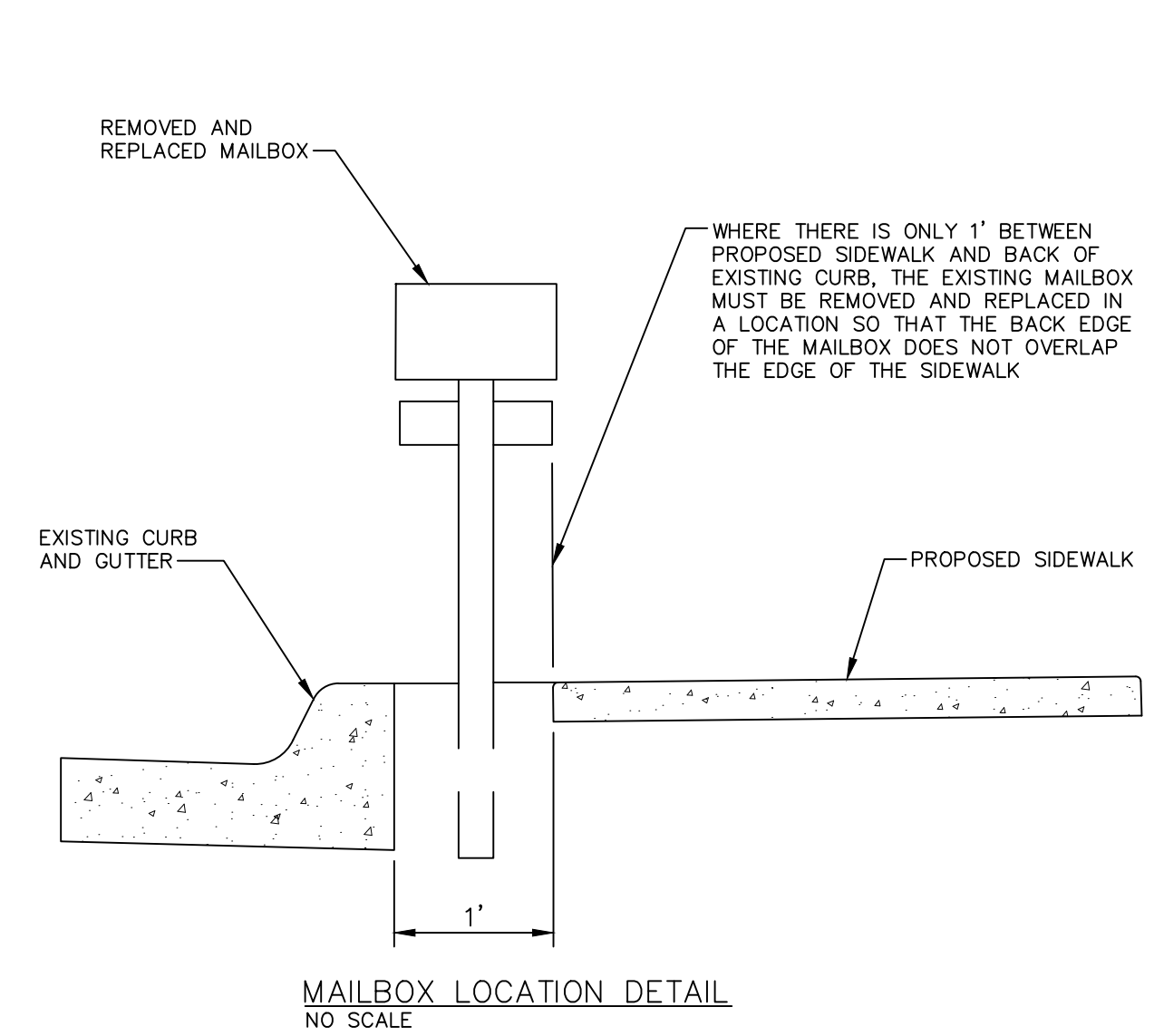
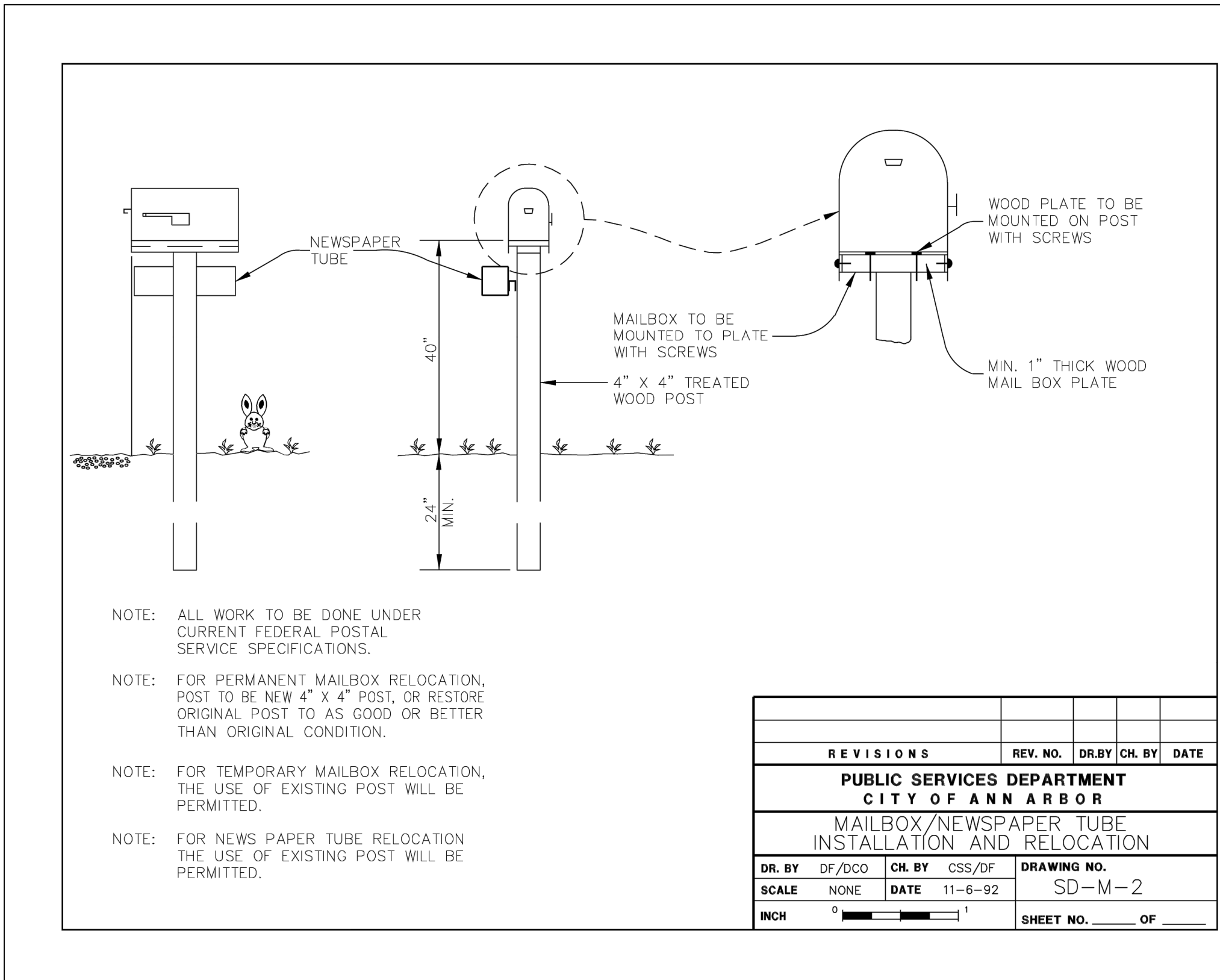
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|---|--|---|--|
| PREPARED UNDER THE SUPERVISION OF | | CITY APPROVAL | |
| Michael Leppek MIKE LEPEK, P.E. PROJECT MANAGER | | _____ NICHOLAS BAYLEY, P.E. PROJECT MANAGER | |
| DATE: 1/31/2025 | | DATE: / / 2025 | |

SHEET No. 19-1 OF 47
DRAWING No. #####-###
###; BID No. ###; ###

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CONSTRUCTION NOTES:

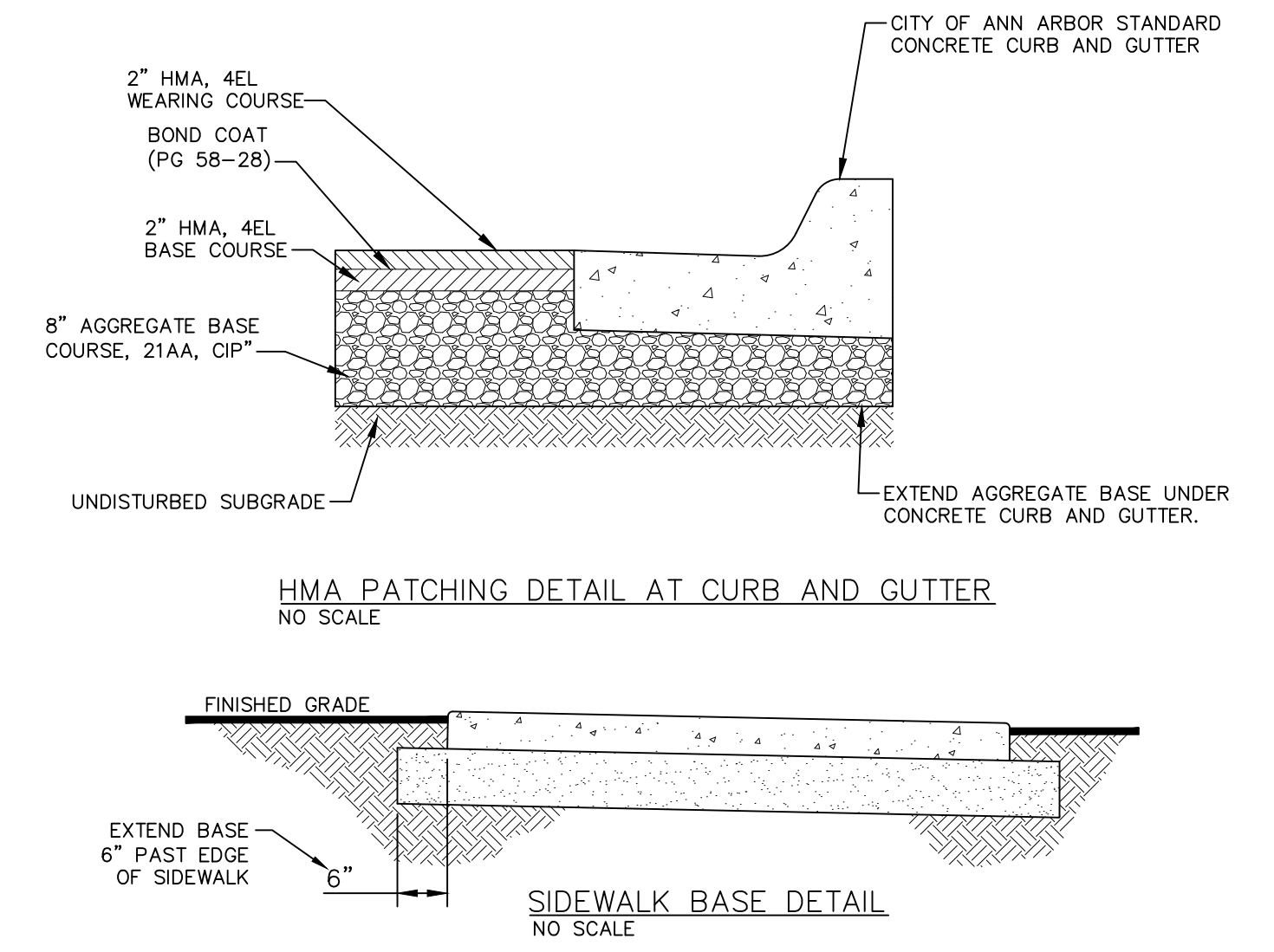
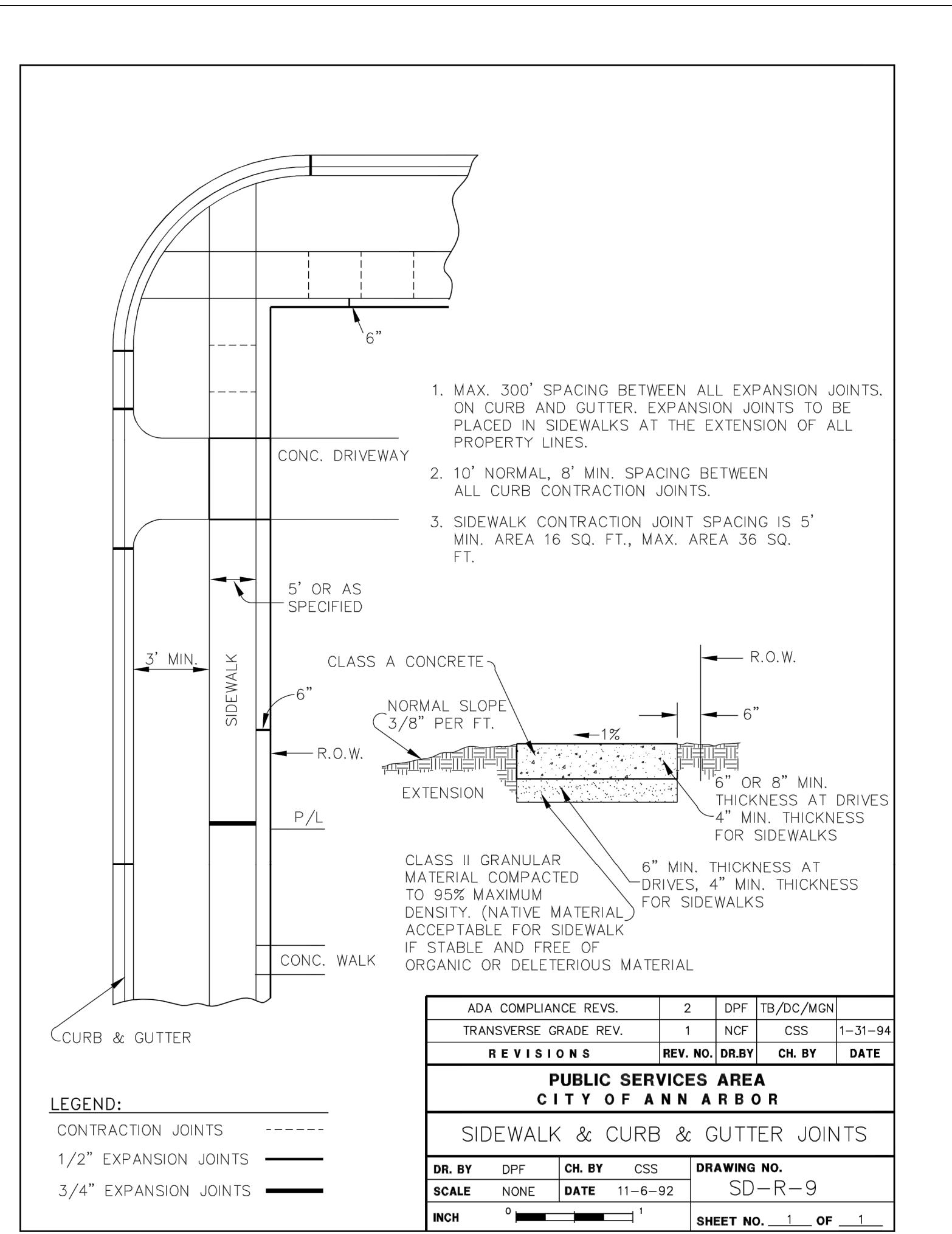
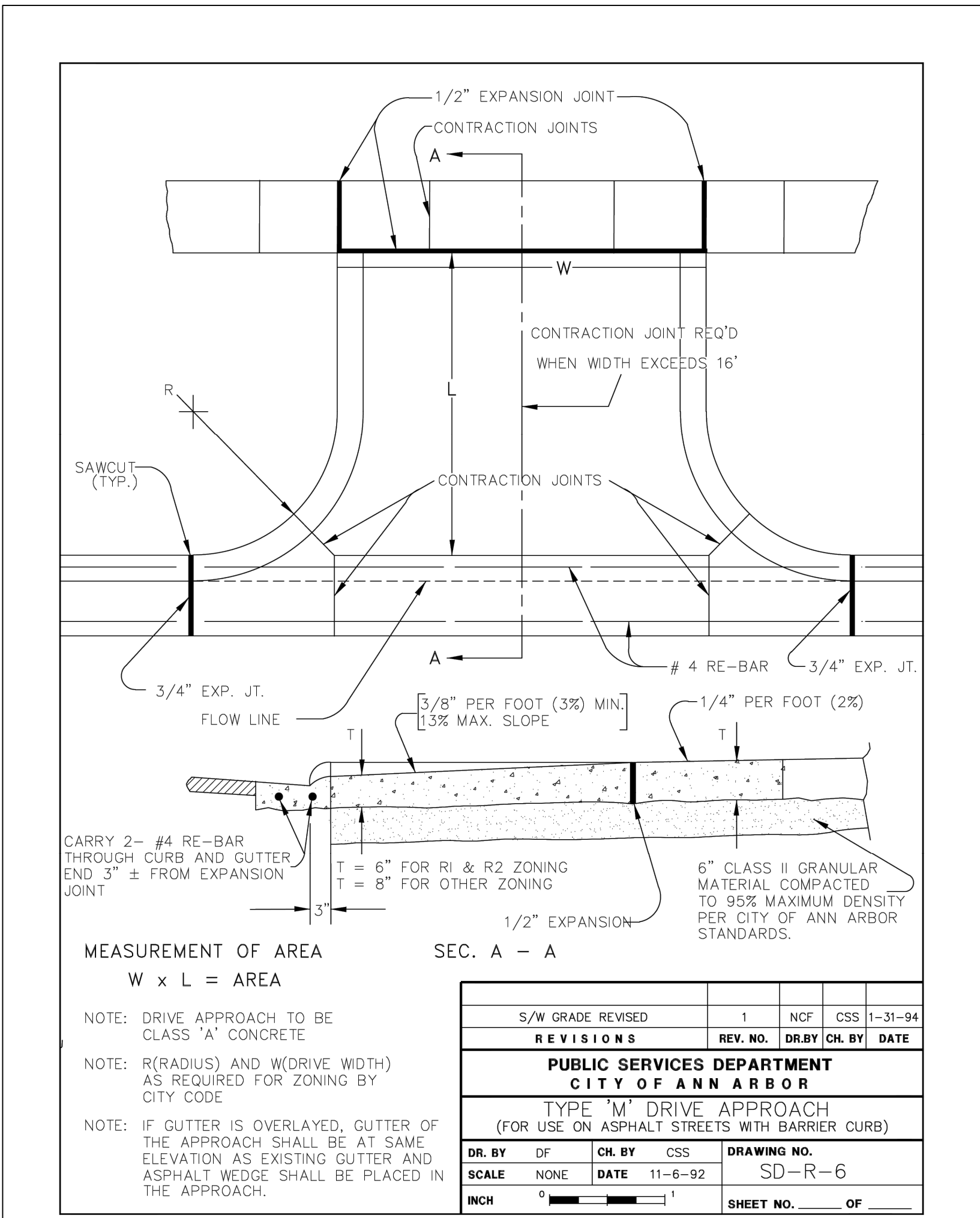
- DRIVEWAYS AND ENTRANCES TO BUILDINGS, REAL PROPERTY, AND THE LIKE SHALL NOT BE BLOCKED EXCEPT FOR SHORT DURATIONS AND ONLY WHEN APPROVED BY THE ENGINEER. VEHICULAR AND PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL NECESSARY DRIVEWAY CLOSURES WITH THE PROPERTY OWNER(S) AND RESIDENT(S) IN THE AREAS OF CONSTRUCTION.
- THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND SERVICE LEADS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- LOCATION AND DEPTH OF UTILITIES AS DEPICTED ON THE PLANS IS APPROXIMATE AND SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXCAVATE AHEAD AND ADJUST DEPTH OF CONFLICT UTILITIES ACCORDINGLY. ANY DAMAGE TO UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY TO AVOID AND/OR REPAIR AS NECESSARY.
- THE CONTRACTOR IS TO TAKE SPECIAL CARE TO PROTECT THE EXISTING WATER MAIN AND BE RESPONSIBLE FOR MAINTAINING CONSISTENT WATER SERVICE.
- DURING NON-WORKING HOURS NO TRENCH SHALL REMAIN OPEN; ANY OPEN TRENCH SHALL BE PROPERLY SECURED WITH PROTECTIVE FENCING. THIS WORK SHALL BE INCLUDED IN THE ITEM OF WORK "GENERAL CONDITIONS".
- TRENCHES FOR NEW WATER SERVICES SHALL BE EXCAVATED TO MISHA AND CITY OF ANN ARBOR PUBLIC WORKS REQUIREMENTS.
- CITY OF ANN ARBOR PUBLIC WORKS WILL INSTALL THE CORPORATION AND COPPER SERVICE LEAD(S) TO TRANSFER THE CONNECTION(S). IF AN EXISTING WATER SERVICE IS FOUND TO BE FAILING OR IS NOT COPPER, THE LEAD WILL BE REPLACED TO THE CURB BOX BY PUBLIC WORKS.
- FOR THE INSTALLATION OF CORPORATIONS, OR ANY OTHER RELATED ACTIVITIES, THE CONTRACTOR SHALL NOT RECEIVE ADDITIONAL COMPENSATION FOR DELAYS DUE TO THE SCHEDULING OF OR COORDINATION WITH THE CITY OF ANN ARBOR PUBLIC WORKS.
- THE CONTRACTOR SHALL BACKFILL TRENCHES IN ACCORDANCE WITH TRENCH DETAIL SPECIFIED ON PLANS. THIS WORK SHALL BE INCLUDED IN THE ITEM OF WORK "EXCAVATE AND BACKFILL FOR WATER SERVICE TAP AND LEAD". ALL CONCRETE REMOVALS AND REPLACEMENTS REQUIRED FOR THIS WORK WILL BE PAID FOR SEPARATELY.
- ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE POLYETHYLENE WRAPPED PER ANSI/AWWA C105/A21.5.
- COR-BLU BOLTS TO BE USED AT ALL MECHANICAL WATER MAIN JOINTS AT HYDRANTS AND MEGALUG FITTINGS.
- "NO PARKING" SIGNS SHALL BE INSTALLED BY THE CONTRACTOR AT LOCATIONS AS APPROVED OR DIRECTED BY THE ENGINEER. ALL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILED SPECIFICATIONS.
- POSTAL DELIVERY AND REFUSE PICKUP SERVICE SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
- ALL FITTINGS, HYDRANTS, VALVES AND CASTINGS REMOVED DURING CONSTRUCTION ARE THE PROPERTY OF THE CITY OF ANN ARBOR. THE CONTRACTOR WITHIN 48 HOURS SHALL DELIVER TO CITY OF ANN ARBOR PUBLIC WORKS FACILITY AT THE W.R. WHEELER SERVICE CENTER LOCATED AT 4251 STONE SCHOOL ROAD.
- WHERE STREET CURBS ARE UNDERMINED DUE TO CONSTRUCTION ACTIVITIES, THEY SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUOUS MAINTENANCE OF THE TEMPORARY ROAD SURFACE AND SOIL EROSION CONTROL MEASURES WITHIN THE CONSTRUCTION AREA UNTIL THE FULL COMPLETION OF THE PROJECT. THIS WORK SHALL BE INCLUDED IN THE ITEM OF WORK "GENERAL CONDITIONS".
- ALL CURB, SIDEWALK, DRIVEWAY APPROACH REMOVALS SHALL BE APPROVED BY ENGINEER BEFORE THE WORK IS DONE.
- THE LOCATION OF MATERIAL STOCK PILES AND ON-SITE STAGING AREAS TO BE APPROVED BY THE ENGINEER.
- ALL STRUCTURES SHALL RECEIVE NEW CASTINGS AS DIRECTED BY THE ENGINEER, AS SPECIFIED ON THE STANDARD CASTING SCHEDULE. THE EXISTING CASTINGS ARE THE PROPERTY OF THE CITY OF ANN ARBOR. THE CONTRACTOR SHALL DELIVER TO CITY OF ANN ARBOR PUBLIC WORKS FACILITY AT THE W.R. WHEELER SERVICE CENTER LOCATED AT 4251 STONE SCHOOL ROAD.
- EXISTING STREET NAME, GUIDE, AND REGULATORY SIGNS, AND MAILBOXES WHICH CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED PRIOR TO CONSTRUCTION, STORED IN A MANNER WHICH WILL PREVENT DAMAGE, AND RE-SET IN LOCATIONS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN "MACHINE GRADING, MODIFIED".
- THE CITY OF ANN ARBOR FORESTRY DEPARTMENT WILL REMOVE ALL TREES NOTED FOR REMOVAL IN THE PROJECT AREA. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE THE STUMPS ONLY.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CITY OF ANN ARBOR STANDARD SPECIFICATIONS, THE DETAILED SPECIFICATIONS AND THE CITY OF ANN ARBOR STANDARD CONSTRUCTION DETAILS.




| PERMITS REQUIRED TO BE OBTAINED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION. | |
|---|------------------------------------|
| PERMIT | ISSUING AUTHORITY |
| LANE CLOSURE PERMIT* | CITY OF ANN ARBOR ENGINEERING |
| "NO PARKING" SIGNS PERMIT* | CITY OF ANN ARBOR ENGINEERING |
| GRADING/SOIL EROSION & SEDIMENTATION CONTROL PERMIT* | CITY OF ANN ARBOR CUSTOMER SERVICE |
| RIGHT-OF-WAY PERMIT* | CITY OF ANN ARBOR CUSTOMER SERVICE |
| * NO COST TO CONTRACTOR | |

| CONTACT INFORMATION | | |
|---------------------|--|-------------------------------------|
| PUBLIC UTILITIES | OWNER | CONTACT |
| WATER | | |
| SANITARY | | |
| STORM | CITY OF ANN ARBOR PUBLIC WORKS W.R. WHEELER SERVICE CENTER 4251 STONE SCHOOL ROAD ANN ARBOR, MI 48108 | (734) 794-6350 |
| FORESTRY | | |
| SIGNS | | CHUCK FOJTIK (734) 794-6361 |
| SIGNALS | | |
| STREET LIGHTS | | |
| PRIVATE UTILITIES | OWNER | CONTACT |
| GAS | DTE ENERGY 3150 E. MICHIGAN AVE, YPSILANTI TOWNSHIP, MI 48198 | ROBERT CZAPIEWSKI (734) 544-7818 |
| ELECTRIC | DTE ENERGY WESTERN WAYNE SERVICE CENTER 8001 HAGGERTY ROAD BELLEVILLE, MI 48111 | ANTHONY IGNASIAK (734) 397-4447 |
| CABLE | COMCAST 27800 FRANKLIN ROAD SOUTHFIELD, MI 48034 | RON SOUTHERLAND (313) 999-8300 |
| PHONE | AT&T 550 S. MAPLE ROAD ANN ARBOR, MI 48103 | MARC GOODSELL (313) 405-0574 |
| FIBER OPTIC | MCI 2800 N. GLENFILLE ROAD RICHARDSON, TX 75082 | DEAN BOYERS (972) 729-6016 |
| FIBER OPTIC | WINDSTREAM 1295 S LINDEN ROAD, SUITE B FLINT, MI 48532 | GREG SERICH (810) 244-3500 |
| STREET LIGHTING | DTE ENERGY 8001 HAGGERTY ROAD BELLEVILLE, MI 48111 | LANCE ALLEY (734) 397-4188 |

| PROJECT NAME BENCHMARKS | | |
|-------------------------|---------|---|
| BM # | ELEV | DESCRIPTION |
| 200 | 939.390 | CITY OF ANN ARBOR BENCHMARK 1023, BRASS DISC IN CONCRETE ON NORTH SIDE OF INDEPENDENCE AVENUE WEST OF DRIVE TO HOUSE #2153 |
| 201 | 884.770 | RAILROAD SPIKE IN NORTHERLY SIDE OF UTILITY POLE WITH LIGHT AT SOUTHEAST CORNER OF INTERSECTION OF INDEPENDENCE AVENUE AND KIMBERLY ROAD |
| 202 | 880.670 | CHISELED X IN NORTH SIDE OF RIM OF STORM MANHOLE NEAR CENTERLINE OF INDEPENDENCE AVENUE EAST OF INTERSECTION INDEPENDENCE AVENUE AND GLADSTONE AVENUE |
| 203 | 885.810 | CHISELED X IN NORTHEAST SIDE OF RIM OF SANITARY MANHOLE NEAR CENTERLINE OF INDEPENDENCE AVENUE EAST OF INTERSECTION OF INDEPENDENCE AVENUE AND EMERALD AVENUE |





811
Know what's below.
Call before you dig.

| | | | | | |
|------------|----------------|------------|--------------------|-----------|---------|
| 1/31/2025 | 1/16/2025 | 1/16/2025 | 1/16/2025 | 1/16/2025 | DATE |
| 99% DESIGN | PUBLIC MEETING | 90% DESIGN | PRELIMINARY DESIGN | DESIGN | CHECKED |
| 04 | 03 | 02 | 01 | | REV. |

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

INDEPENDENCE BOULEVARD SIDEWALK GAP PROJECT

STANDARD NOTES

SCALE: NTS

DRAWING NO. #####

SHEET NO. 19-2 OF 47

EXISTING LEGEND

| | | | |
|--|---------------------------|--|--------------------------|
| | FIRE HYDRANT | | WATER MAIN |
| | GATE VALVE IN BOX | | WATER MAIN ABANDONED |
| | GATE VALVE IN WELL | | STORM SEWER |
| | STOP BOX | | STORM SEWER ABANDONED |
| | WATER VAULT | | SANITARY SEWER |
| | WELL | | SANITARY SEWER ABANDONED |
| | CATCH BASIN (SQ) | | GAS MAIN |
| | CATCH BASIN (RD) | | GAS MAIN (DEAD) |
| | STORM MANHOLE | | ELECTRICAL OVER HEAD |
| | NON-CURB CATCH BASIN (SQ) | | ELECTRICAL UNDER GROUND |
| | END SECTION | | ELECTRICAL DUCT BANK |
| | SANITARY MANHOLE | | TELEPHONE OVER HEAD |
| | CLEAN-OUT | | TELEPHONE UNDER GROUND |
| | POST | | TELEPHONE DUCT BANK |
| | PEDESTRIAN SIGNAL | | CABLE TV OVER HEAD |
| | SIGN | | CABLE TV UNDER GROUND |
| | HAND HOLE | | FIBER OPTIC |
| | ORNAMENTAL LIGHT | | FIBER OPTIC DUCT BANK |
| | FLOOD LIGHT | | BOUNDARY |
| | UNKNOWN MANHOLE | | BUILDING |
| | TELEPHONE MANHOLE | | CENTERLINE OF DITCH |
| | TELEPHONE RISER | | CENTERLINE/CROWN OF ROAD |
| | GAS VALVE | | CONTOUR MAJOR |
| | GAS VENT | | CONTOUR MINOR |
| | GAS BOX | | EDGE OF WATER |
| | ELECTRICAL RISER | | FLOODPLAIN |
| | TRANSFORMER | | FENCE |
| | UTILITY POLE | | GRAVEL |
| | LAMP POLE | | GUARDRAIL |
| | GUY ANCHOR | | STONE WALL |
| | GUY POLE | | R.O.W. |
| | MONITORING WELL | | TREELINE |
| | MAILBOX | | WETLAND |
| | SOIL BORING | | EDGE OF BRUSH |
| | TRAVERSE POINT | | HEDGE |
| | BENCH MARK | | TREE (DECIDUOUS) |
| | IRON PIPE | | TREE (CONIFEROUS) |
| | MON BOX | | SHRUB (DECIDUOUS) |
| | | | STUMP |

TREE TO REMAIN & PROTECT (DECIDUOUS)
CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREST HEIGHT (INCHES) X 10

TREE TO REMAIN & PROTECT (CONIFEROUS)
CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREST HEIGHT (INCHES) X 10

PROPOSED LEGEND

| | | | |
|--|------------------------|--|---------------------------------|
| | HYDRANT (PLAN) | | WATER MAIN |
| | WATER GATE WELL | | STORM SEWER |
| | REDUCER | | SANITARY SEWER |
| | WATER GATE VALVE | | FIBER OPTIC |
| | WATER STOP BOX | | ELECTRICAL |
| | WATER VAULT | | CENTERLINE OF DITCH |
| | INLET | | CENTERLINE OF ROAD |
| | DOUBLE INLET | | FENCE |
| | INLET JUNCTION CHAMBER | | GRAVEL |
| | ROUND CATCH BASIN | | SILT FENCE |
| | STORM MANHOLE | | PROTECTIVE FENCE |
| | DRAIN ARROW | | GUARDRAIL |
| | FLARED END SECTION | | LOT/UNIT |
| | SANITARY MANHOLE | | CURB |
| | CLEAN-OUT | | TEMPORARY GRADING PERMIT |
| | BARREL | | CONTOUR MAJOR |
| | SIGN | | CONTOUR MINOR |
| | PUSH BUTTON | | WATER EASEMENT |
| | HAND HOLE | | STORM EASEMENT |
| | | | SANITARY EASEMENT |
| | | | R.O.W. |
| | | | LIMITS OF CONSTRUCTION |
| | | | LIMIT OF GRADING |
| | | | STONE WALL |
| | | | DETECTABLE WARNING |
| | | | ASPHALT |
| | | | CONCRETE |
| | | | SIDEWALK |
| | | | TREE (DECIDUOUS) |
| | | | TREE (CONIFEROUS) |
| | | | TREE TO BE REMOVED (DECIDUOUS) |
| | | | TREE TO BE REMOVED (CONIFEROUS) |
| | | | STUMP TO BE REMOVED |



| | | | | | |
|----|--------------------|-----------|----|-----|---------|
| 04 | 99% DESIGN | 1/31/2025 | JM | ML2 | CHECKED |
| 03 | PUBLIC MEETING | 1/16/2025 | JM | ML2 | DRAWN |
| 02 | 90% DESIGN | 1/6/2025 | JM | ML2 | |
| 01 | PRELIMINARY DESIGN | 11/6/2024 | JM | ML2 | |
| | DESCRIPTION | DATE | | | |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-1667
www.a3gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
INDEPENDENCE BOULEVARD SIDEWALK
GAP PROJECT
LEGEND

| | |
|-------------|-------|
| SCALE : NTS | |
| DRAWING No. | ##### |

GENERAL
 NOTIFY THE CITY OF ANN ARBOR SOIL EROSION CONTROL OFFICE 48 HOURS PRIOR TO BEGINNING WORK ON THE PROJECT. PHONE: 734-794-6265.

- THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE SOIL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER AT ALL TIMES DURING CONSTRUCTION. ANY MODIFICATIONS OR ADDITIONS TO THE SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGED CONDITIONS SHALL BE AS DIRECTED AND APPROVED BY THE ENGINEER.
- ALL SOIL EROSION AND SEDIMENTATION CONTROL WORK SHALL CONFORM TO THE PERMIT REQUIREMENTS OF THE CITY OF ANN ARBOR, THE LAWS OF THE STATE OF MICHIGAN, AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- DAILY, OR AFTER ANY STORM EVENT, INSPECTIONS OF EROSION CONTROL MEASURES SHALL BE MADE BY THE CONTRACTOR. PERIODIC INSPECTIONS MAY BE MADE BY THE ENGINEER TO DETERMINE THE EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES. ANY NECESSARY CORRECTIONS SHALL BE MADE WITHOUT DELAY, AND WITHOUT ADDITIONAL COST TO THE CITY OF ANN ARBOR.
- EROSION AND SEDIMENTATION FROM WORK ON THE SITE SHALL BE CONTAINED ON THE SITE AND NOT BE ALLOWED TO COLLECT ON ANY OFF-SITE AREAS, ROADWAYS OR WATERWAYS.
- ALL MUD/SOIL TRACKED ONTO ROADWAYS FROM THE SITE DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR. IF SO ORDERED, THE CONTRACTOR SHALL PROVIDE AND OPERATE A VACUUM-TYPE STREET SWEEPER, AT NO ADDITIONAL COST TO THE CITY OF ANN ARBOR.
- RESTORATION OF ALL DISTURBED AREAS, INCLUDING PLACEMENT OF TOPSOIL, SEED, FERTILIZER AND MULCH AND/OR SOD SHALL BE PERFORMED WITHIN FIVE (5) DAYS OF THE COMPLETION OF FINAL GRADE.
- CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE SOIL EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION IN CRITICAL AREAS AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING OPERATIONS.
- SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
- PROPER DUST CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION BY USE OF

WATER TRUCKS AND/OR OTHER METHODS APPROVED BY THE ENGINEER.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND REMOVAL OF SOME MEASURES UPON AUTHORIZED COMPLETION OF THE PROJECT. FINAL COMPLETION OF PROJECT WILL NOT BE AUTHORIZED UNTIL ALL SITE WORK AND UTILITY CONSTRUCTION IS COMPLETE AND ALL SOILS ARE STABILIZED.
- THE CONTRACTOR SHALL NOT GRADE INTO ADJACENT PROPERTIES. SILT AND PROTECTIVE FENCE SHALL BE INSTALLED AND MAINTAINED TO PREVENT GRADING, EROSION AND SEDIMENTATION INTO THE ADJACENT PROPERTIES.
- TREE PROTECTION FENCING MUST REMAIN INTACT UNTIL RESTORATION OF THE SITE IS COMPLETE.

SEQUENCE OF EROSION CONTROL MEASURES:

- THE CONTRACTOR IS TO SUBMIT TO THE ENGINEER, A SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION CONTROL MEASURES FOR REVIEW, COMMENT AND APPROVAL. THIS SCHEDULE IS TO INCLUDE INSPECTION AND REPAIR OF ALL TEMPORARY EROSION CONTROL MEASURES DAILY AND WITHIN 24 HOURS OF A STORM EVENT.

SAMPLE SOIL EROSION AND SEDIMENTATION CONTROL INSTALLATION MINIMUM REQUIREMENTS:

- INSTALL SILT FENCE, TREE PROTECTION FENCING, MUD MATS, INLET FILTERS ON EXISTING DRAINAGE FEATURES, AND ALL OTHER TEMPORARY SOIL EROSION CONTROLS, PRIOR TO ANY CLEARING OR EARTH MOVING OPERATION.
- STRIP AND STOCKPILE TOPSOIL. STABILIZE STOCKPILE AS REQUIRED.
- INSTALL WATER MAINS, STORM AND SANITARY SEWERS, AND OTHER ENCLOSED DRAINAGE FEATURES. NEW INLET FILTERS SHALL BE INSTALLED IMMEDIATELY FOLLOWING INSTALLATION OF NEW DRAINAGE INLETS.
- PERFORM MACHINE GRADING OPERATIONS AND CONSTRUCT PAVEMENTS (MAINLINE, SIDEWALKS, DRIVES, ETC.).
- CONTINUALLY MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES, AS REQUIRED TO ALLOW DRAINAGE AND SEDIMENT REMOVAL. REMOVE ANY ACCUMULATED SEDIMENT IMMEDIATELY.
- COMPLETE ALL FINE GRADING.

- TEMPORARY SEED AND INSTALL EROSION CONTROL BLANKET IN ALL DISTURBED AREAS.
- REFER TO LANDSCAPE PLANTING PLANS FOR PERMANENT SITE STABILIZATION.
- CLEAN OUT STORM SEWER SYSTEMS.
- REMEDY ANY NOTED DEFECTS TO THE SATISFACTION OF THE CITY OF ANN ARBOR'S SOIL EROSION AND SEDIMENTATION CONTROL OFFICIAL.
- ALL TEMP. SOIL EROSION CONTROL MEASURES MUST BE REMOVED, WITH ENGINEERS APPROVAL, PRIOR TO FINAL INSPECTION

NOTE: THIS SEQUENCE IS FOR INFORMATION ONLY. IT IS INTENDED TO SHOW THE SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THEIR OWN DETAILED CONSTRUCTION SEQUENCE AND SCHEDULE TO THE ENGINEER FOR REVIEW, COMMENT, AND APPROVAL.

TEMPORARY SEEDING:

- SEED IN ACCORDANCE WITH PROJECT DRAWINGS AND SPECIFICATIONS.
- ANY DISTURBED AREA NOT PAVED, SEEDED, MULCHED, SODDED OR BUILT UPON BY NOVEMBER 15TH OR JUNE 30TH IS TO BE TEMPORARILY STABILIZED PER SPECIFICATIONS.

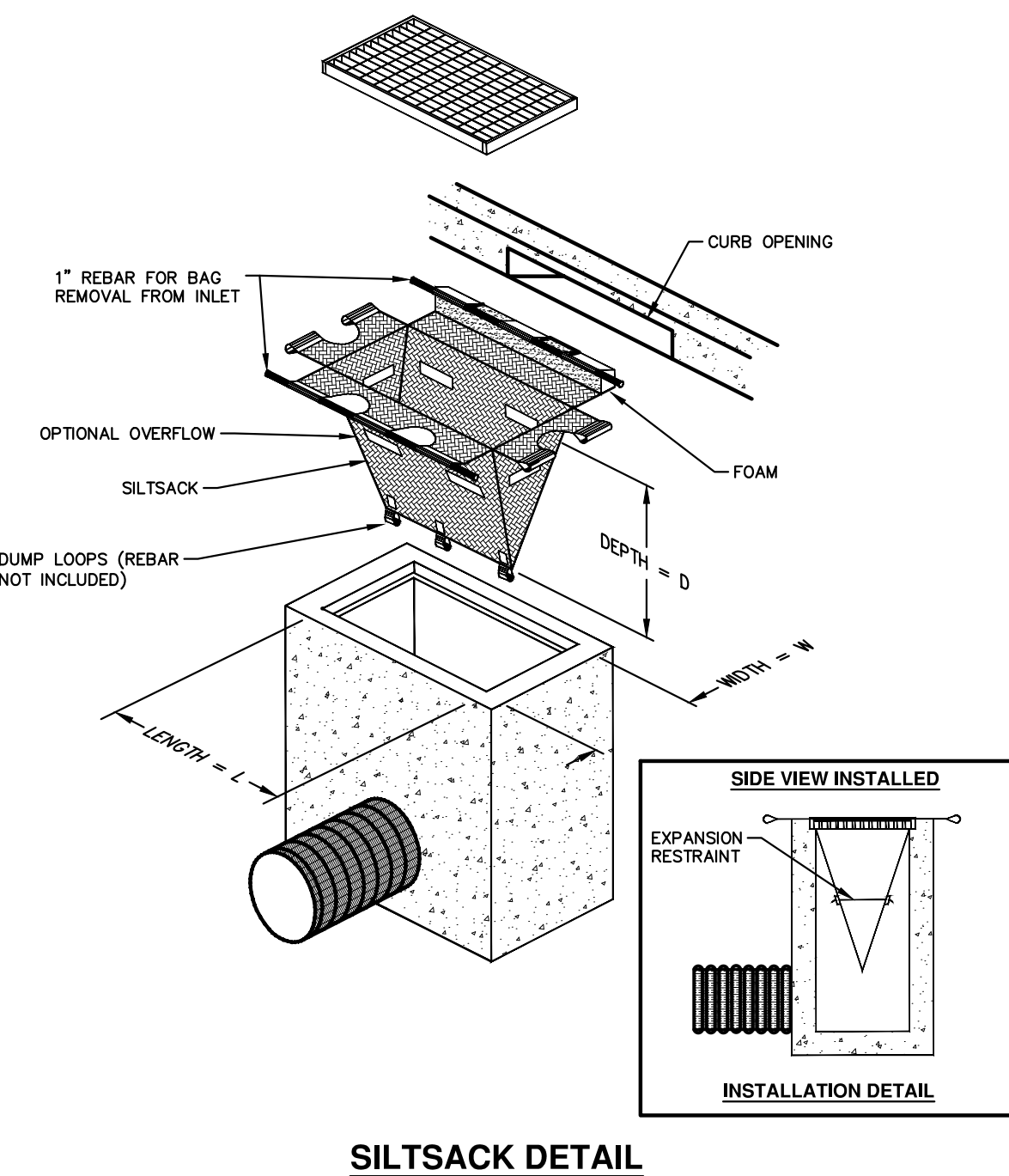
THE ESTIMATED COST OF SOIL EROSION AND SEDIMENTATION CONTROL MEASURES, TOPSOIL, SEEDING, AND MULCH = \$xx.

ESTIMATE OF EXCAVATION AND FILL FROM EXISTING TO FINAL GRADE:

- EXCAVATION = 24 CY, FILL = 21 CY

ON SITE SOILS PER THE USDA SOIL SURVEY OF WASHTENAW COUNTY, MICHIGAN:

- BbB - BLUNT LOAM - 2% TO 6% SLOPES.
- CpA - CONOVER BROOKSTON LOAMS - 0% TO 2% SLOPES
- Pe - PEWAMO CLAY LOAM - 0% TO 2% SLOPES
- S1B - ST. CLAIR CLAY LOAM, 2% TO 6% SLOPES
- WcA - WAWASEE LAOM, 2% TO 6% SLOPES



SILTSACK DETAIL

NOTE: THE SILTSACK WILL BE MANUFACTURED FROM A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS.

REGULAR FLOW SILTSACK

(FOR AREAS OF LOW TO MODERATE PRECIPITATION AND RUN-OFF)

| PROPERTIES | REQUIRED VALUE | TEST METHOD |
|-------------------------|----------------|------------------|
| GRAB TENSILE STRENGTH | ASTM D-4632 | 300 LBS |
| GRAB TENSILE ELONGATION | ASTM D-4632 | 20% |
| PUNCTURE | ASTM D-4833 | 120 LBS |
| MULLEN BURST | ASTM D-3786 | 800 PSF |
| TRAPEZOID TEAR | ASTM D-4533 | 120 LBS |
| UV RESISTANCE | ASTM D-4355 | 80% |
| APPARENT OPENING SIZE | ASTM D-4751 | 40 US SIEVE |
| FLOW RATE | ASTM D-4491 | 40 GAL/MIN/SQ FT |
| PERMITTIVITY | ASTM D-4491 | 0.55 SEC-1 |

HI-FLOW SILTSACK

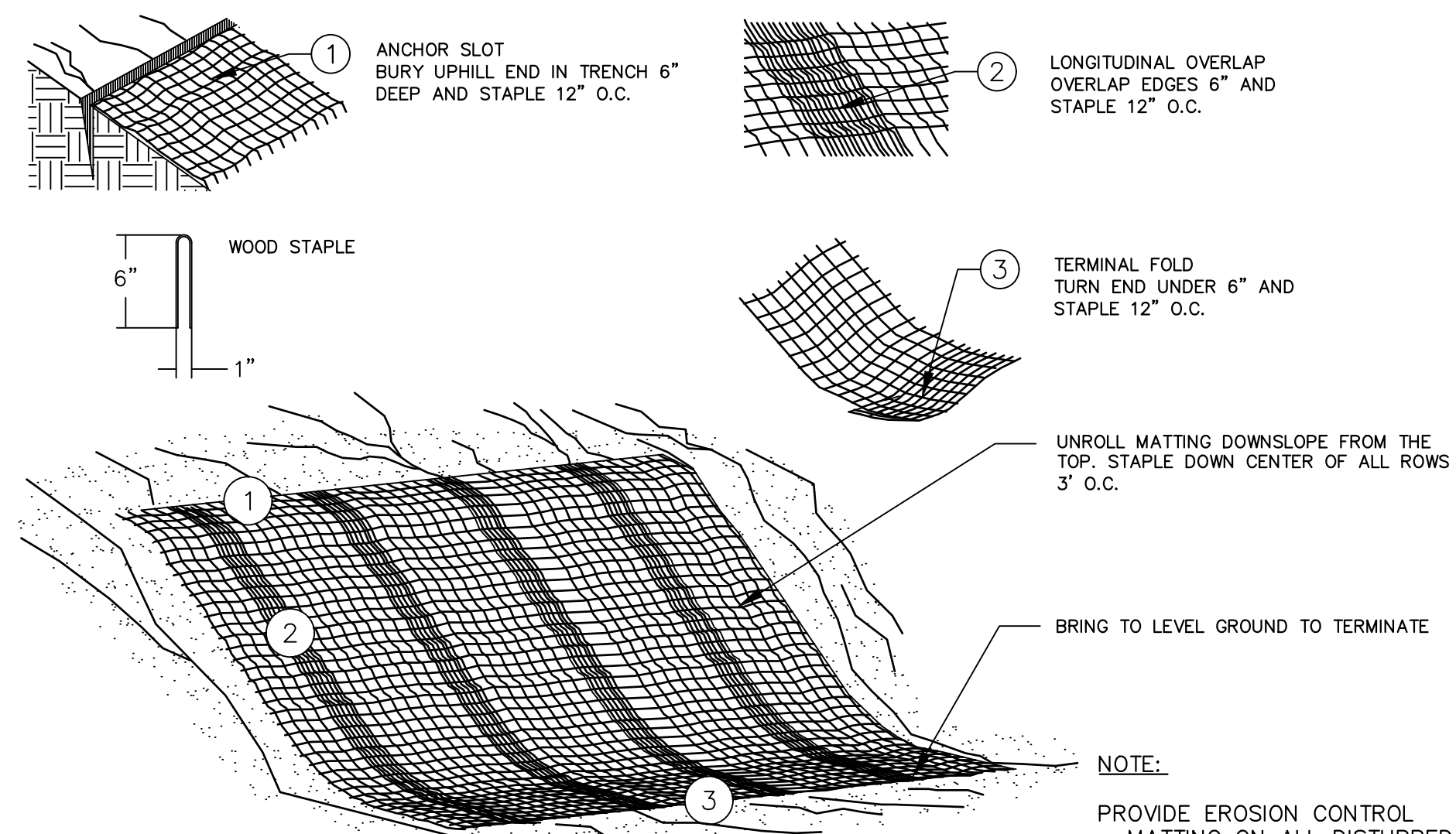
(FOR AREAS OF MODERATE TO HEAVY PRECIPITATION AND RUN-OFF)

| PROPERTIES | REQUIRED VALUE | TEST METHOD |
|-------------------------|----------------|-------------------|
| GRAB TENSILE STRENGTH | ASTM D-4632 | 265 LBS |
| GRAB TENSILE ELONGATION | ASTM D-4632 | 20% |
| PUNCTURE | ASTM D-4833 | 135 LBS |
| MULLEN BURST | ASTM D-3786 | 420 PSF |
| TRAPEZOID TEAR | ASTM D-4533 | 45 LBS |
| UV RESISTANCE | ASTM D-4355 | 90% |
| APPARENT OPENING SIZE | ASTM D-4751 | 20 US SIEVE |
| FLOW RATE | ASTM D-4491 | 200 GAL/MIN/SQ FT |
| PERMITTIVITY | ASTM D-4491 | 1.5 SEC-1 |

OIL-ABSORBANT SILTSACK

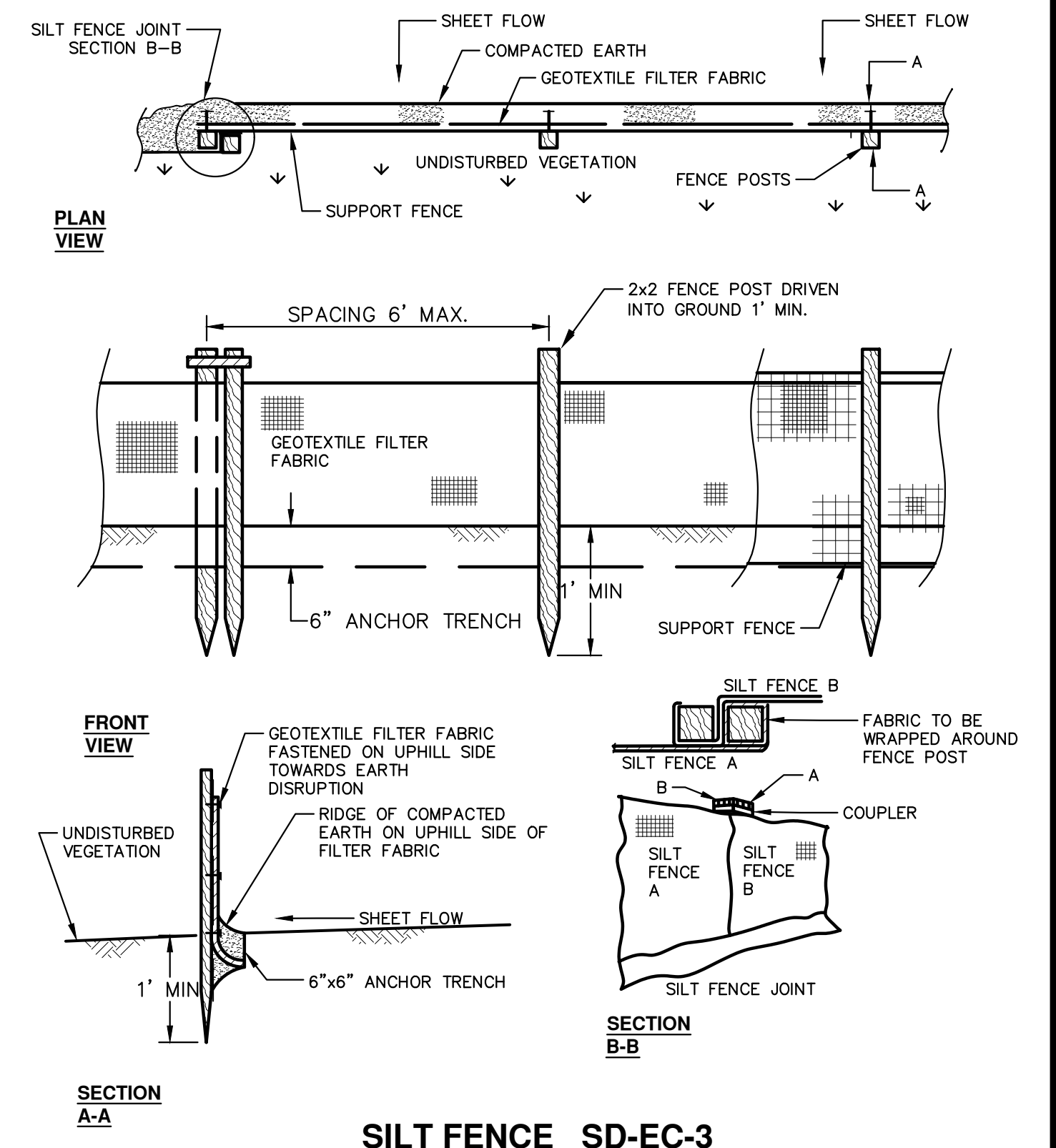
(FOR AREAS WHERE THERE IS A CONCERN FOR OIL RUN-OFF OR SPILLS)

IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS THAT THE CONTRACTOR INSTALL THE REBAR AS SHOWN IN THIS DETAIL TO PROVIDE A FULLY FUNCTIONING UNIT. ALL COSTS ASSOCIATED WITH FURNISHING, CLEANING AS MANY TIMES AS REQUIRED, DISPOSAL OF SEDIMENT, AND REMOVING THE INLET FILTER WHEN NO LONGER NEEDED IS INCLUDED IN THE ITEM OF WORK AND WILL NOT BE PAID FOR SEPARATELY.



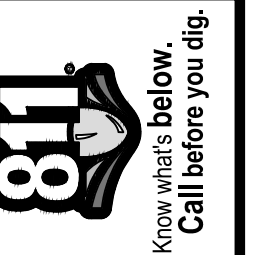
MULCH BLANKET DETAIL

APPLIES TO ALL AREAS TO BE PERMANENTLY RESTORED WITH GRASS. SEE LANDSCAPE PLANS FOR MORE DETAILS.



SILT FENCE SD-EC-3

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| REV. | DATE | DESCRIPTION |
|------|------------|--------------------|
| 04 | 1/31/2025 | 99% DESIGN |
| 03 | 1/16/2025 | PUBLIC MEETING |
| 02 | 1/6/2025 | 90% DESIGN |
| 01 | 11/16/2024 | PRELIMINARY DESIGN |
| | | DESCRIPTION |

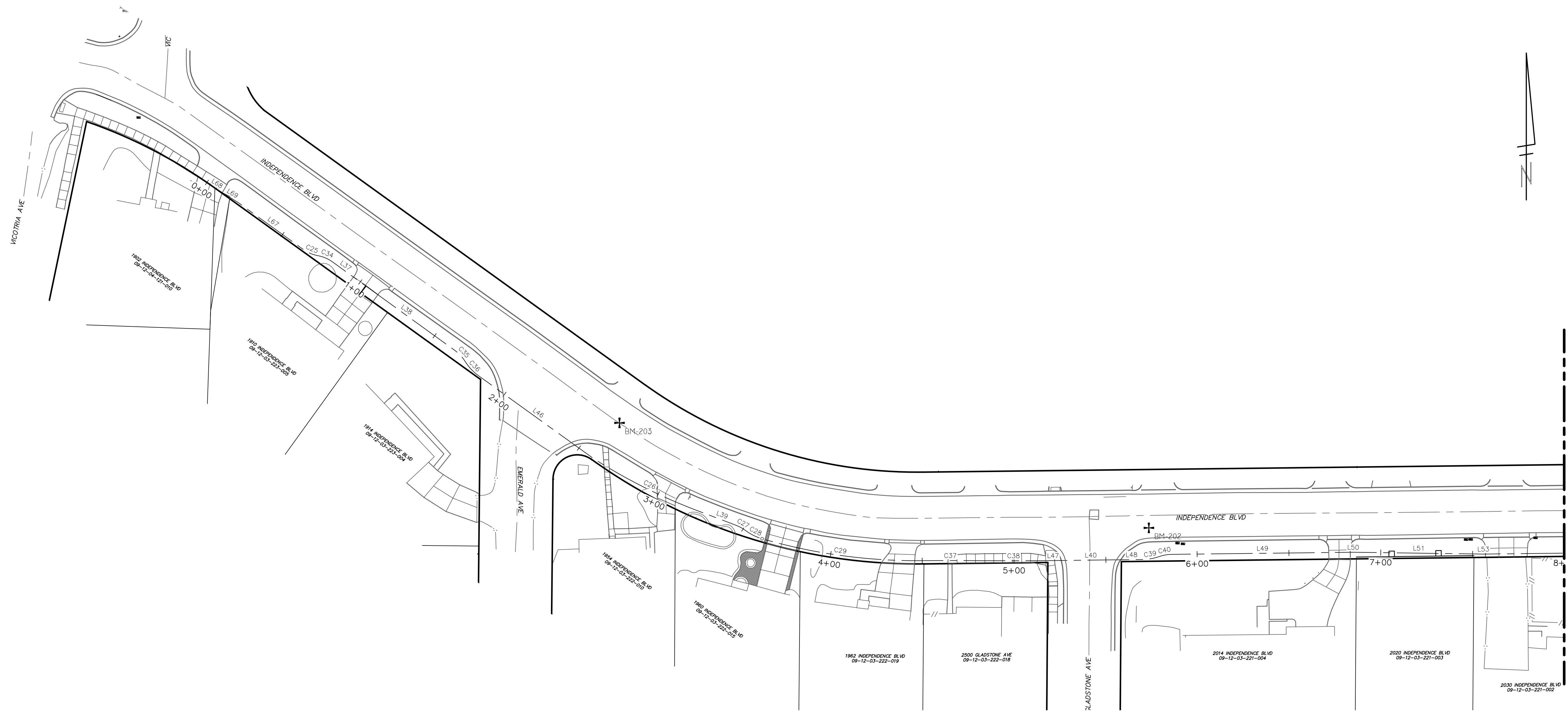
CITY OF ANN ARBOR
 PUBLIC SERVICES
 301 EAST HURON STREET
 ANN ARBOR, MI 48106-1064
 734.794.6410
 www.a2gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
 INDEPENDENCE BOULEVARD SIDEWALK
 GAP PROJECT
 SESS NOTES AND DETAILS

SCALE: NTS
 DRAWING No. #####
 SHEET No. 19-4 OF 47

Z:\2024\241460\CAD\CD\2_241460_alignment.dwg Dwg. Created: 31-Jan-25 --_a2 standard bw.stb - Plot Date: 31-Jan-25



PROPOSED ALIGNMENTS - STA. 0+00 TO STA. 8+00
 SCALE: 1" = 40'
 NORTH

| ROADWAY LINE DATA | | | | |
|-------------------|-------------|--------|----------------------------------|----------------------------------|
| LINE # | DIRECTION | LENGTH | START | END |
| L68 | S58°10'54"E | 10.02' | N 275253.8764 E 13298413.1132 | N 275248.5920 E 13298421.6300 |
| L69 | S60°18'16"E | 10.00' | N 275248.5920 E 13298421.6300 | N 275243.6360 E 13298430.3203 |
| L67 | S56°12'26"E | 43.80' | N 275243.6360 E 13298430.3203 | N 275219.2775 E 13298466.7165 |
| L37 | S56°06'16"E | 13.99' | N 275212.9504 E 13298483.0063 | N 275205.1477 E 13298494.6199 |
| L38 | S56°06'16"E | 67.95' | N 275205.1477 E 13298494.6199 | N 275167.2511 E 13298551.0253 |
| L46 | S56°12'28"E | 76.76' | N 275153.8013 E 13298564.5504 | N 275111.1099 E 13298628.3407 |
| L39 | S71°15'04"E | 17.56' | N 275082.9970 E 13298690.6774 | N 275077.3530 E 13298707.3052 |
| L47 | N87°19'41"E | 8.79' | N 275063.8801 E 13298876.3803 | N 275064.2897 E 13298885.1566 |
| L40 | N87°19'42"E | 32.37' | N 275064.2897 E 13298885.1566 | N 275065.7985 E 13298917.4935 |
| L48 | N87°19'42"E | 11.99' | N 275065.7985 E 13298917.4935 | N 275066.3572 E 13298929.4655 |
| L49 | N87°19'42"E | 98.64' | N 275069.7227 E 13298945.3089 | N 275074.3201 E 13299043.8373 |
| L50 | N88°48'26"E | 0.06' | N 275074.3201 E 13299043.8373 | N 275074.3214 E 13299043.9019 |
| L51 | N88°48'26"E | 70.80' | N 275074.3214 E 13299043.9019 | N 275075.7951 E 13299114.6842 |
| L53 | N87°19'42"E | 0.06' | N 275075.7964 E 13299114.7487 | N 275075.7995 E 13299114.8131 |

| ROADWAY CURVE TABLE | | | | | |
|---------------------|----------|--------|-----------------|----------------------------------|----------------------------------|
| CURVE # | RADIUS | LENGTH | CHORD DIRECTION | START | END |
| C25 | 20.00' | 8.79' | S68°47'57"E | N 275219.2775 E 13298466.7165 | N 275216.1240 E 13298474.8465 |
| C34 | 20.00' | 8.83' | S68°44'52"E | N 275216.1240 E 13298474.8465 | N 275212.9504 E 13298483.0063 |
| C35 | 22.50' | 8.61' | S45°07'43"E | N 275167.2511 E 13298551.0253 | N 275161.2124 E 13298557.0912 |
| C36 | 27.50' | 10.58' | S45°11'08"E | N 275161.2124 E 13298557.0912 | N 275153.8013 E 13298564.5504 |
| C26 | 308.47' | 68.52' | S65°43'31"E | N 275111.1099 E 13298628.3407 | N 275082.9970 E 13298690.6774 |
| C27 | 22.50' | 6.28' | S63°15'30"E | N 275077.3530 E 13298707.3052 | N 275074.5375 E 13298712.8932 |
| C28 | 27.50' | 9.98' | S65°39'47"E | N 275074.5375 E 13298712.8932 | N 275070.4469 E 13298721.9373 |
| C29 | 302.66' | 86.47' | S84°00'46"E | N 275070.4469 E 13298721.9373 | N 275061.4576 E 13298807.6480 |
| C37 | 1530.66' | 34.34' | N87°59'15"E | N 275061.4576 E 13298807.6480 | N 275062.6636 E 13298841.9684 |
| C38 | 3453.90' | 34.43' | N87°58'31"E | N 275062.6636 E 13298841.9684 | N 275063.8801 E 13298876.3803 |
| C39 | 27.50' | 8.95' | N78°00'26"E | N 275066.3572 E 13298929.4655 | N 275068.2082 E 13298938.1794 |
| C40 | 22.50' | 7.32' | N78°00'26"E | N 275068.2082 E 13298938.1794 | N 275069.7227 E 13298945.3089 |

SEE BELOW
STA: 8+00

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
INDEPENDENCE BOULEVARD SIDEWALK
 PROPOSED ALIGNMENTS
 STA. 0+00 TO STA. 8+00

811
Know what's below. Call before you dig.

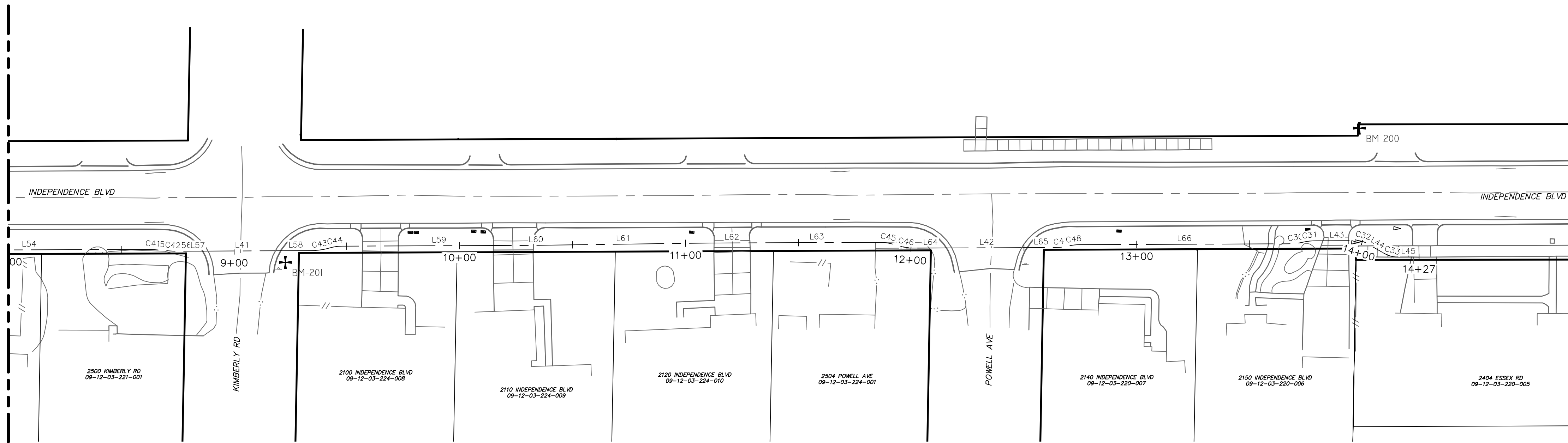
| REV. | DATE | DESCRIPTION | DRAWN | CHECKED |
|------|-----------|--------------------|-------|---------|
| 04 | 1/31/2025 | 99% DESIGN | JM | ML2 |
| 03 | 1/16/2025 | PUBLIC MEETING | JM | ML2 |
| 02 | 1/6/2025 | 90% DESIGN | JM | ML2 |
| 01 | 11/6/2024 | PRELIMINARY DESIGN | JM | ML2 |

CITY OF ANN ARBOR PUBLIC SERVICES
 301 EAST HURON STREET
 ANN ARBOR, MI 48106-6647
 ANN ARBOR, MI 48106-6647
 www.a2gov.org

SCALE PLAN: 1" = 30'
 DRAWING NO. #####-###
 SHEET NO. **19-5 OF 47**

Z:\2024\241460\CAD\2_241460_alignment.dwg Dwg Created: 31-Jan-25 - _a2 standard bw.stb - Plot Date: 31-Jan-25

SEE ABOVE
STA: 8+00



PROPOSED ALIGNMENTS - STA. 8+00 TO STA. 14+27

SCALE: 1" = 40'
0 20 40 80

| ROADWAY LINE DATA | | | | |
|-------------------|-------------|---------|----------------------------------|----------------------------------|
| LINE # | DIRECTION | LENGTH | START | END |
| L54 | N87°19'42"E | 106.78' | N 275075.7995 E 13299114.8131 | N 275080.7766 E 13299221.4807 |
| L55 | S87°40'18"E | 6.92' | N 275080.7825 E 13299223.4436 | N 275080.5016 E 13299230.3529 |
| L56 | N87°19'42"E | 7.76' | N 275080.5088 E 13299232.7520 | N 275080.8702 E 13299240.4989 |
| L57 | N87°19'42"E | 4.28' | N 275080.8702 E 13299240.4989 | N 275081.0699 E 13299244.7779 |
| L41 | N87°14'45"E | 34.56' | N 275081.0699 E 13299244.7779 | N 275082.7303 E 13299279.2940 |
| L58 | N87°15'38"E | 13.39' | N 275082.7303 E 13299279.2940 | N 275083.3701 E 13299292.6639 |
| L59 | N87°15'38"E | 85.87' | N 275085.9545 E 13299306.3110 | N 275090.0588 E 13299392.0840 |
| L60 | N87°15'38"E | 0.02' | N 275090.0588 E 13299392.0840 | N 275090.0599 E 13299392.1069 |
| L61 | N86°44'09"E | 76.70' | N 275090.0599 E 13299392.1069 | N 275094.4274 E 13299468.6859 |
| L62 | N87°15'36"E | 20.00' | N 275094.4274 E 13299468.6859 | N 275095.3835 E 13299488.6631 |
| L63 | N87°15'38"E | 55.08' | N 275095.3835 E 13299488.6631 | N 275098.0162 E 13299543.6825 |
| L64 | N87°16'12"E | 13.78' | N 275096.1529 E 13299559.7585 | N 275096.8092 E 13299573.5208 |
| L42 | N87°15'38"E | 35.82' | N 275096.8092 E 13299573.5208 | N 275098.5213 E 13299609.3010 |
| L65 | N87°15'38"E | 12.29' | N 275098.5213 E 13299609.3010 | N 275099.1085 E 13299621.5739 |
| L66 | N87°15'38"E | 92.62' | N 275100.8588 E 13299632.5062 | N 275105.2856 E 13299725.0190 |
| L43 | N87°15'38"E | 18.14' | N 275107.1229 E 13299736.9952 | N 275107.9897 E 13299755.1102 |
| L44 | S62°44'22"E | 9.40' | N 275107.1653 E 13299758.9039 | N 275102.8584 E 13299767.2624 |
| L45 | N87°31'20"E | 9.43' | N 275101.4914 E 13299773.2838 | N 275101.8990 E 13299782.7040 |

| ROADWAY CURVE TABLE | | | | | |
|---------------------|--------|--------|-----------------|----------------------------------|----------------------------------|
| CURVE # | RADIUS | LENGTH | CHORD DIRECTION | START | END |
| C41 | 22.50' | 1.96' | N89°49'42"E | N 275080.7766 E 13299221.4807 | N 275080.7825 E 13299223.4436 |
| C42 | 27.50' | 2.40' | N89°49'42"E | N 275080.5016 E 13299230.3529 | N 275080.5088 E 13299232.7520 |
| C43 | 30.00' | 8.36' | N79°16'35"E | N 275083.3701 E 13299292.6639 | N 275084.9207 E 13299300.8521 |
| C44 | 20.00' | 5.57' | N79°16'35"E | N 275084.9207 E 13299300.8521 | N 275085.9545 E 13299306.3110 |
| C45 | 22.50' | 7.33' | S83°24'26"E | N 275088.0162 E 13299543.6825 | N 275097.1784 E 13299550.9314 |
| C46 | 27.50' | 8.93' | S83°22'24"E | N 275097.1784 E 13299550.9314 | N 275096.1529 E 13299559.7585 |
| C47 | 27.50' | 6.10' | N80°54'14"E | N 275099.1085 E 13299621.5739 | N 275100.0712 E 13299627.5866 |
| C48 | 22.50' | 4.99' | N80°54'14"E | N 275100.0712 E 13299627.5866 | N 275100.8588 E 13299632.5062 |
| C30 | 27.50' | 6.19' | N80°48'30"E | N 275105.2856 E 13299725.0190 | N 275106.2728 E 13299731.1202 |
| C31 | 23.40' | 5.95' | N81°46'02"E | N 275106.2728 E 13299731.1202 | N 275107.1229 E 13299736.9952 |
| C32 | 7.50' | 3.93' | S77°44'22"E | N 275107.9897 E 13299755.1102 | N 275107.1653 E 13299758.9039 |
| C33 | 12.19' | 6.24' | S77°12'32"E | N 275102.8584 E 13299767.2624 | N 275101.4914 E 13299773.2838 |



| REV. | DESCRIPTION | DATE | DRAWN | CHECKED |
|------|--------------------|-----------|-------|---------|
| 04 | 99% DESIGN | 1/31/2025 | JM | ML2 |
| 03 | PUBLIC MEETING | 1/16/2025 | JM | ML2 |
| 02 | 90% DESIGN | 1/6/2025 | JM | ML2 |
| 01 | PRELIMINARY DESIGN | 11/6/2024 | JM | ML2 |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-6647
www.a2gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
INDEPENDENCE BOULEVARD SIDEWALK
PROPOSED ALIGNMENTS
STA. 8+00 TO STA. 14+26

SCALE PLAN: #####
DRAWING No. #####-###

Z:\2024\241460\CAD\CD\3_241460_removals and proposed.dwg Dwg Created: 31-Jan-25 10:02 standard bw.stb Plot Date: 31-Jan-25

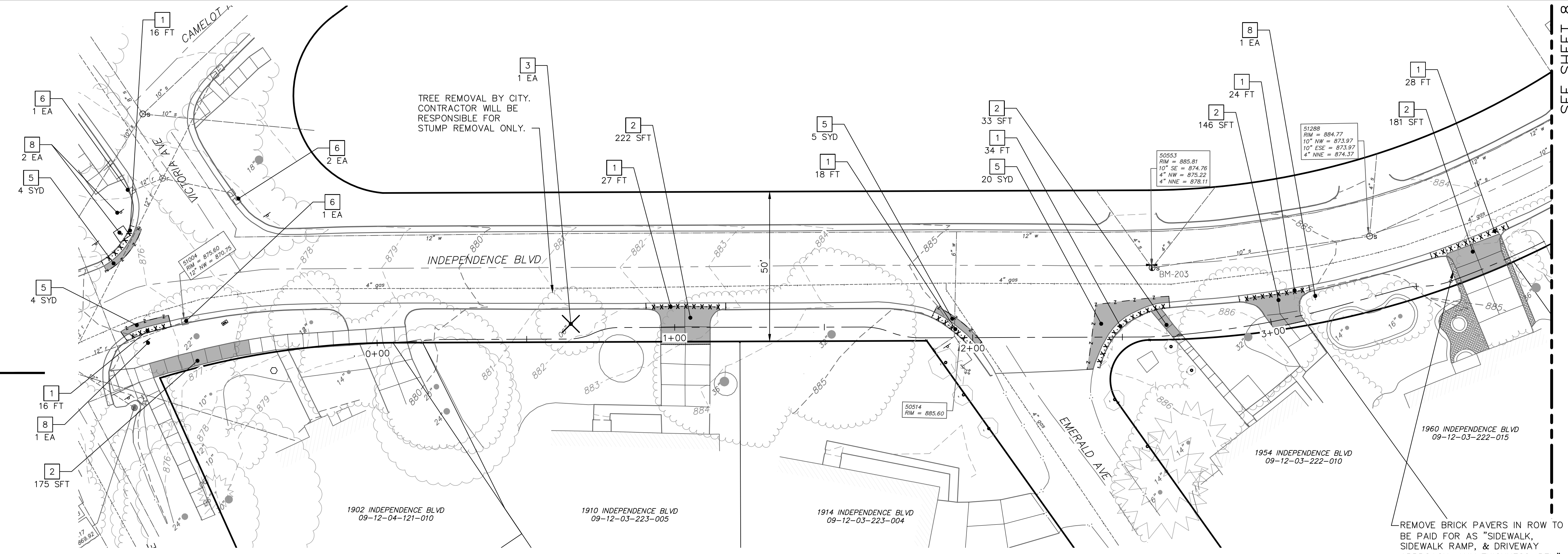
| REMOVAL KEY | |
|-------------|--|
| KEY | DESCRIPTION |
| 1 | CURB, GUTTER, AND CURB AND GUTTER, ANY TYPE, REM |
| 2 | SIDEWALK, SIDEWALK RAMP, & DRIVEWAY APPROACH, ANY THICKNESS, REM |
| 3 | STUMP, REM |
| 4 | MAILBOX, REM, TEMP RELOCATE & REINSTALL |
| 5 | HMA, ANY THICKNESS, REM |
| 6 | EROSION CONTROL, INLET PROTECTION, FABRIC DROP |
| 7 | EROSION CONTROL, SILT FENCE |
| 8 | SIGN, REM, SALV |

| REMOVAL SYMBOLS LEGEND | |
|------------------------|-----------------------------|
| | SAWCUT |
| | REMOVE CURB AND GUTTER |
| | REMOVE PAVEMENT OR SIDEWALK |
| | STUMP, REM |

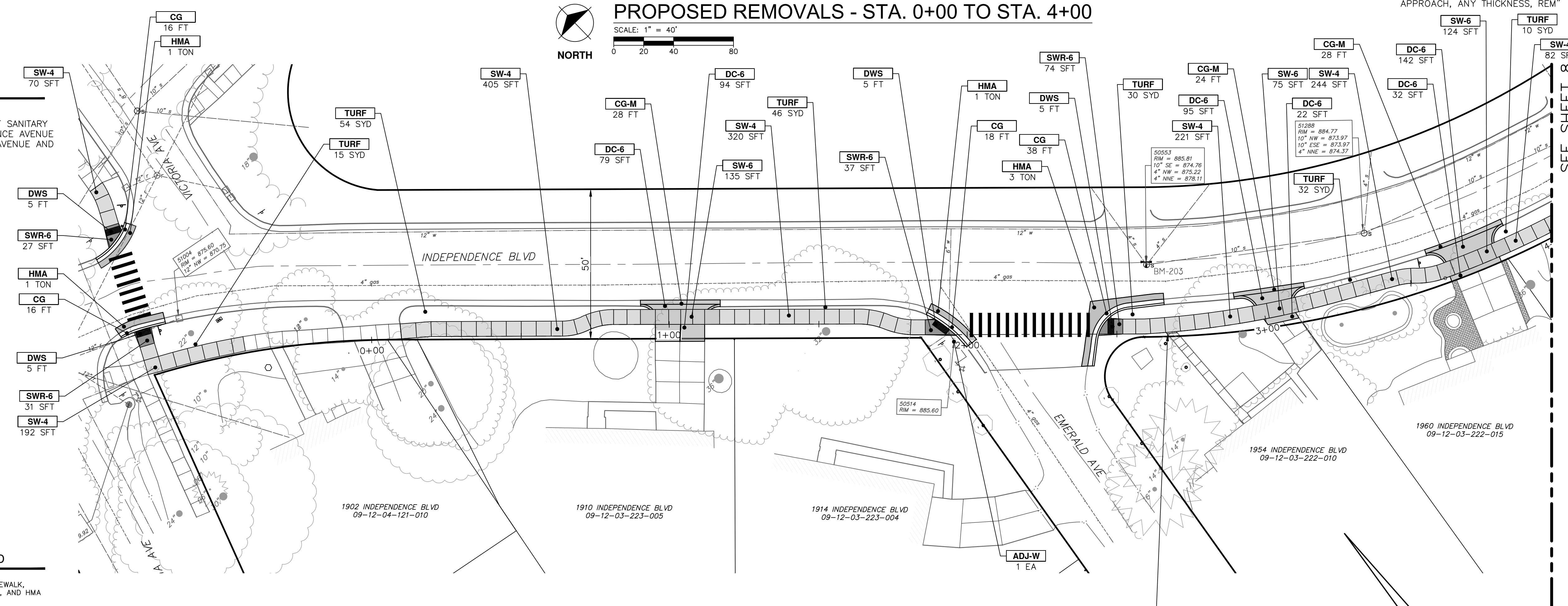
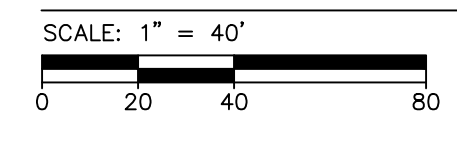
| BENCHMARKS | |
|------------|--|
| BM 203 | ELEVATION: 885.81 CHISELED X IN NORTHEAST SIDE OF RIM OF SANITARY MANHOLE NEAR CENTERLINE OF INDEPENDENCE AVENUE EAST OF INTERSECTION OF INDEPENDENCE AVENUE AND EMERALD AVENUE |

| CONSTRUCTION KEY | |
|------------------|---|
| KEY | DESCRIPTION |
| CG | CONC, CURB OR CURB & GUTTER, ALL TYPES |
| CG-M | CONC, DRIVEWAY OPENING, TYPE M |
| DC-6 | DRIVEWAY, NONREINF CONC, 6 INCH, MODIFIED |
| SW-4 | CONC, SIDEWALK, 4 INCH |
| SWR-6 | CONC, SIDEWALK OR RAMP, 6 INCH |
| DWS | DETECTABLE WARNING SURFACE |
| HMA | HMA - PAVEMENT LEVELING/TOP COURSE |
| TURF | TURF ESTABLISHMENT |
| ADJ-W | WATER STRUCTURE COVER, ADJ |

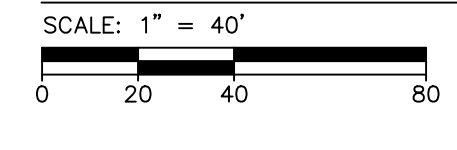
| CONSTRUCTION SYMBOLS LEGEND | |
|-----------------------------|--|
| | PROPOSED 6-INCH CONCRETE SIDEWALK, SIDEWALK RAMP, CONCRETE DRIVE, AND HMA PAVEMENT |
| | PROPOSED 4-INCH CONCRETE SIDEWALK |



PROPOSED REMOVALS - STA. 0+00 TO STA. 4+00



PROPOSED SIDEWALK - STA. 0+00 TO STA. 4+00



CONSTRUCT 4" STEP BETWEEN PROPOSED SIDEWALK AND EXISTING RESIDENTIAL WALKWAY. TO BE INCLUDED IN THE COST OF "CONC, SIDEWALK, 4 INCH"

SEE SHEET 8
STA: 4+00

SEE SHEET 8
STA: 4+00

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
INDEPENDENCE BOULEVARD SIDEWALK
 PROPOSED REMOVALS AND SIDEWALK

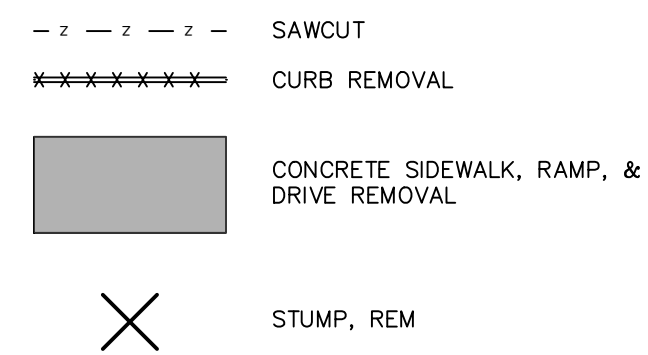
| REV. | DATE | DESCRIPTION | DRAWN | CHECKED |
|------|------------|--------------------|-------|---------|
| 04 | 1/31/2025 | 98% DESIGN | JM | ML2 |
| 03 | 1/16/2025 | PUBLIC MEETING | JM | ML2 |
| 02 | 1/6/2025 | 90% DESIGN | JM | ML2 |
| 01 | 11/16/2024 | PRELIMINARY DESIGN | JM | ML2 |

SHEET No. **19-7 OF 47**

Z:\2024\241460\CAD\CD\3_241460_removals and proposed.dwg Dwg Created: 31-Jan-25 10:02 standard bw.stb - Plot Date: 31-Jan-25

| REMOVAL KEY | |
|-------------|--|
| KEY | DESCRIPTION |
| 1 | CURB, GUTTER, AND CURB AND GUTTER, ANY TYPE, REM |
| 2 | SIDEWALK, SIDEWALK RAMP, & DRIVEWAY APPROACH, ANY THICKNESS, REM |
| 3 | STUMP, REM |
| 4 | MAILBOX, REM, TEMP RELOCATE & REINSTALL |
| 5 | HMA, ANY THICKNESS, REM |
| 6 | EROSION CONTROL, INLET PROTECTION, FABRIC DROP |
| 7 | EROSION CONTROL, SILT FENCE |
| 8 | SIGN, REM, SALV |

REMOVAL SYMBOLS LEGEND

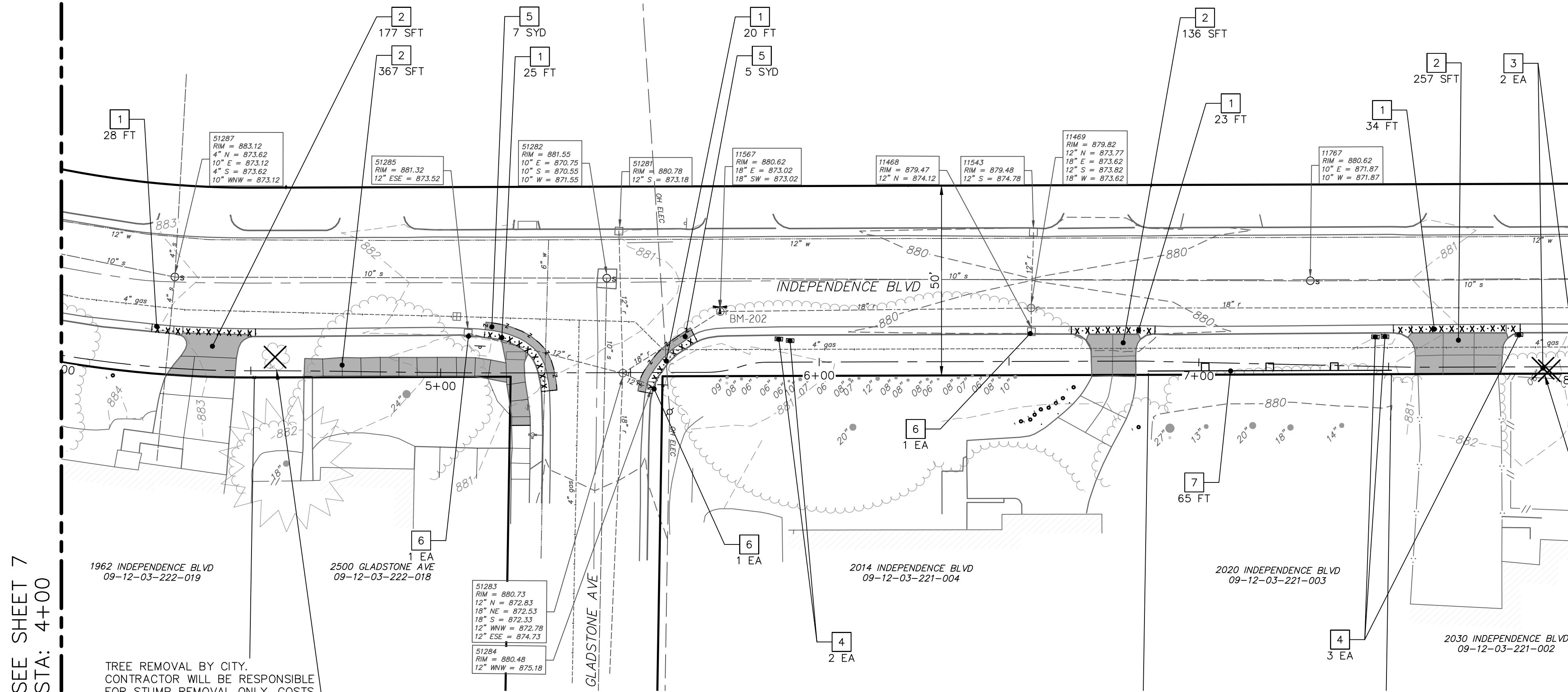
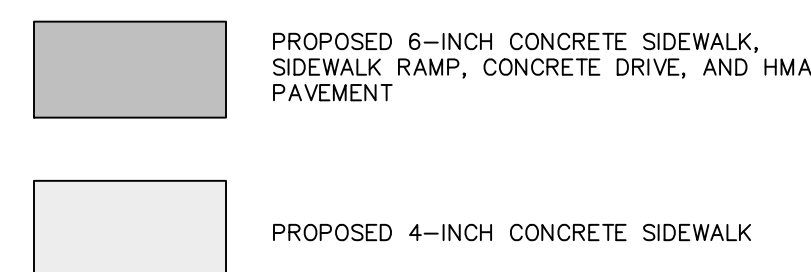


BENCHMARKS

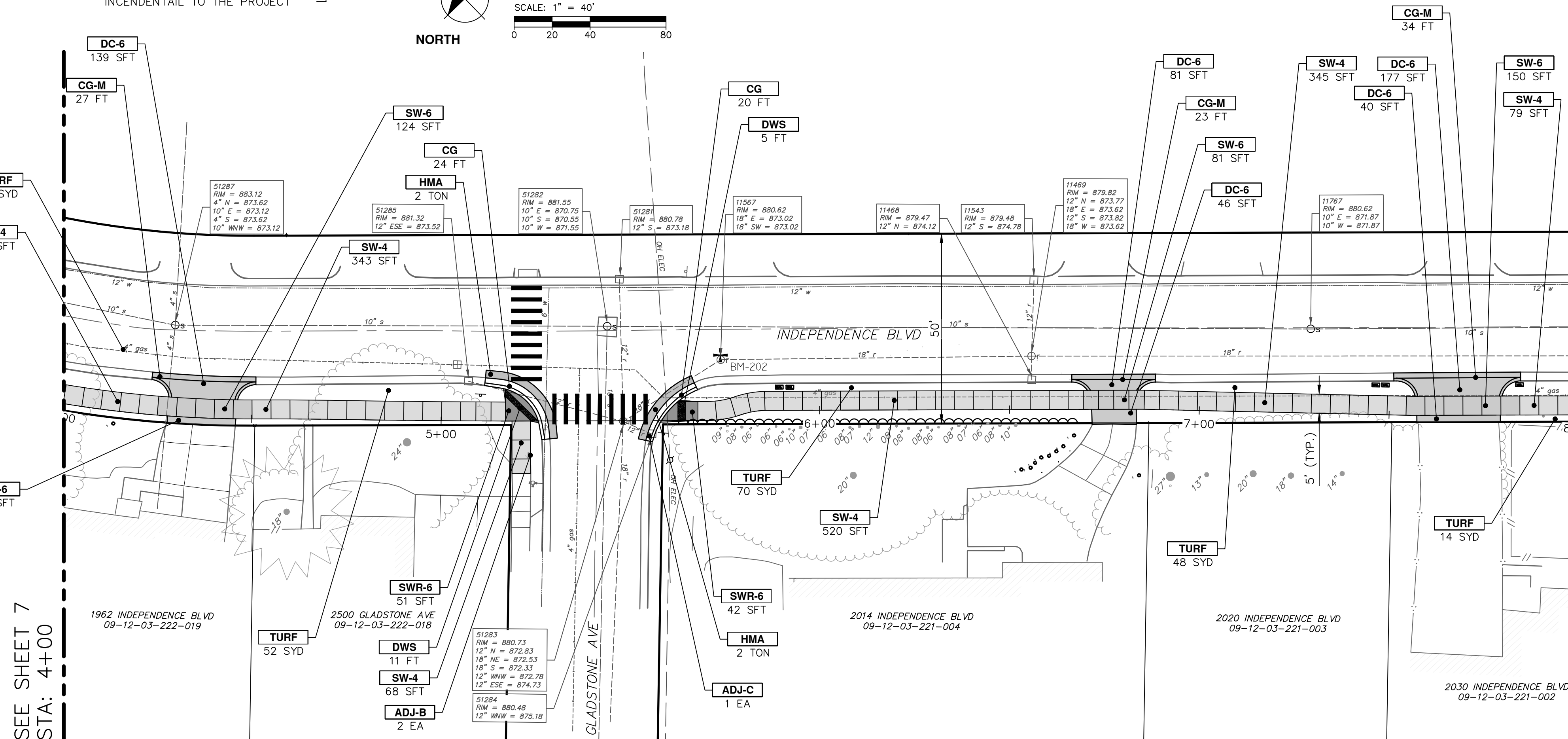
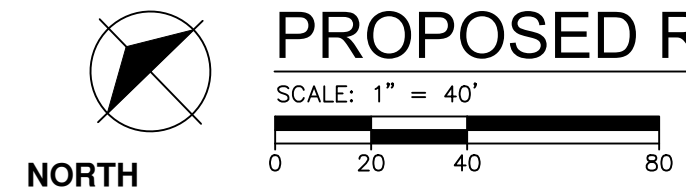
BM 202 ELEVATION: 880.67
 CHISELED X IN NORTH SIDE OF RIM OF STORM MANHOLE NEAR CENTERLINE OF INDEPENDENCE AVENUE EAST OF INTERSECTION OF INDEPENDENCE AVENUE AND GLADSTONE AVENUE

| CONSTRUCTION KEY | |
|------------------|---|
| KEY | DESCRIPTION |
| CG | CONC. CURB OR CURB & GUTTER, ALL TYPES |
| CG-M | CONC. DRIVEWAY OPENING, TYPE M |
| DC-6 | DRIVEWAY, NONREINF CONC, 6 INCH, MODIFIED |
| SW-4 | CONC. SIDEWALK, 4 INCH |
| SWR-6 | CONC. SIDEWALK OR RAMP, 6 INCH |
| DWS | DETECTABLE WARNING SURFACE |
| HMA | HMA - PAVEMENT LEVELING/TOP COURSE |
| TURF | TURF ESTABLISHMENT |
| ADJ-B | WATER GATE VALVE BOX, ADJUST |
| ADJ-C | STORM CURB INLET, ADJUST |

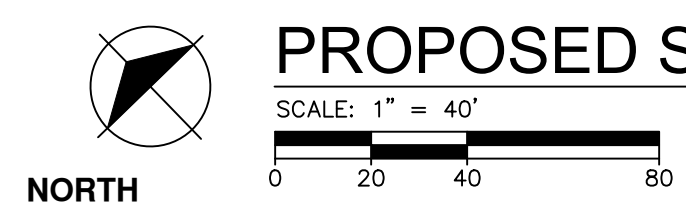
CONSTRUCTION SYMBOLS LEGEND



PROPOSED REMOVALS - STA. 4+00 TO STA. 8+00



PROPOSED SIDEWALK - STA. 4+00 TO STA. 8+00



SEE SHEET 9
STA: 8+00

SEE SHEET 9
STA: 8+00

TREE REMOVAL BY CITY. CONTRACTOR WILL BE RESPONSIBLE FOR STUMP REMOVAL ONLY.

Know what's below. Call before you dig.

| REV. | DATE | DESCRIPTION | CHECKED | DRAWN |
|------|------------|--------------------|---------|-------|
| 04 | 1/31/2025 | 99% DESIGN | JM | JM |
| 03 | 1/16/2025 | PUBLIC MEETING | JM | JM |
| 02 | 1/6/2025 | 90% DESIGN | JM | JM |
| 01 | 11/16/2024 | PRELIMINARY DESIGN | JM | JM |

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

INDEPENDENCE BOULEVARD SIDEWALK

PROPOSED REMOVALS AND SIDEWALK

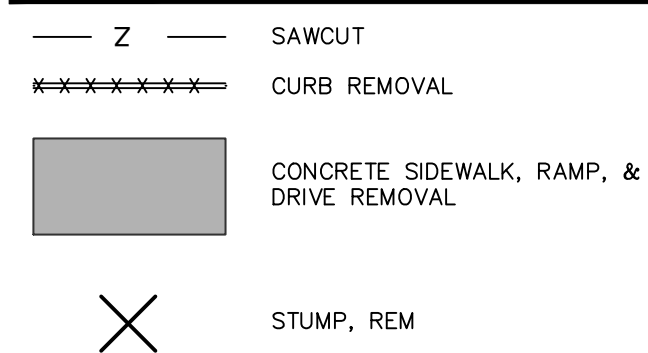
SCALE PLAN: #####

DRAWING NO: #####

SHEET NO. **19-8** OF 47

| REMOVAL KEY | |
|-------------|--|
| KEY | DESCRIPTION |
| 1 | CURB, GUTTER, AND CURB AND GUTTER, ANY TYPE, REM |
| 2 | SIDEWALK, SIDEWALK RAMP, & DRIVEWAY APPROACH, ANY THICKNESS, REM |
| 3 | STUMP, REM |
| 4 | MAILBOX, REM, TEMP RELOCATE & REINSTALL |
| 5 | HMA, ANY THICKNESS, REM |
| 6 | EROSION CONTROL, INLET PROTECTION, FABRIC DROP |
| 7 | EROSION CONTROL, SILT FENCE |
| 8 | SIGN, REM, SALV |

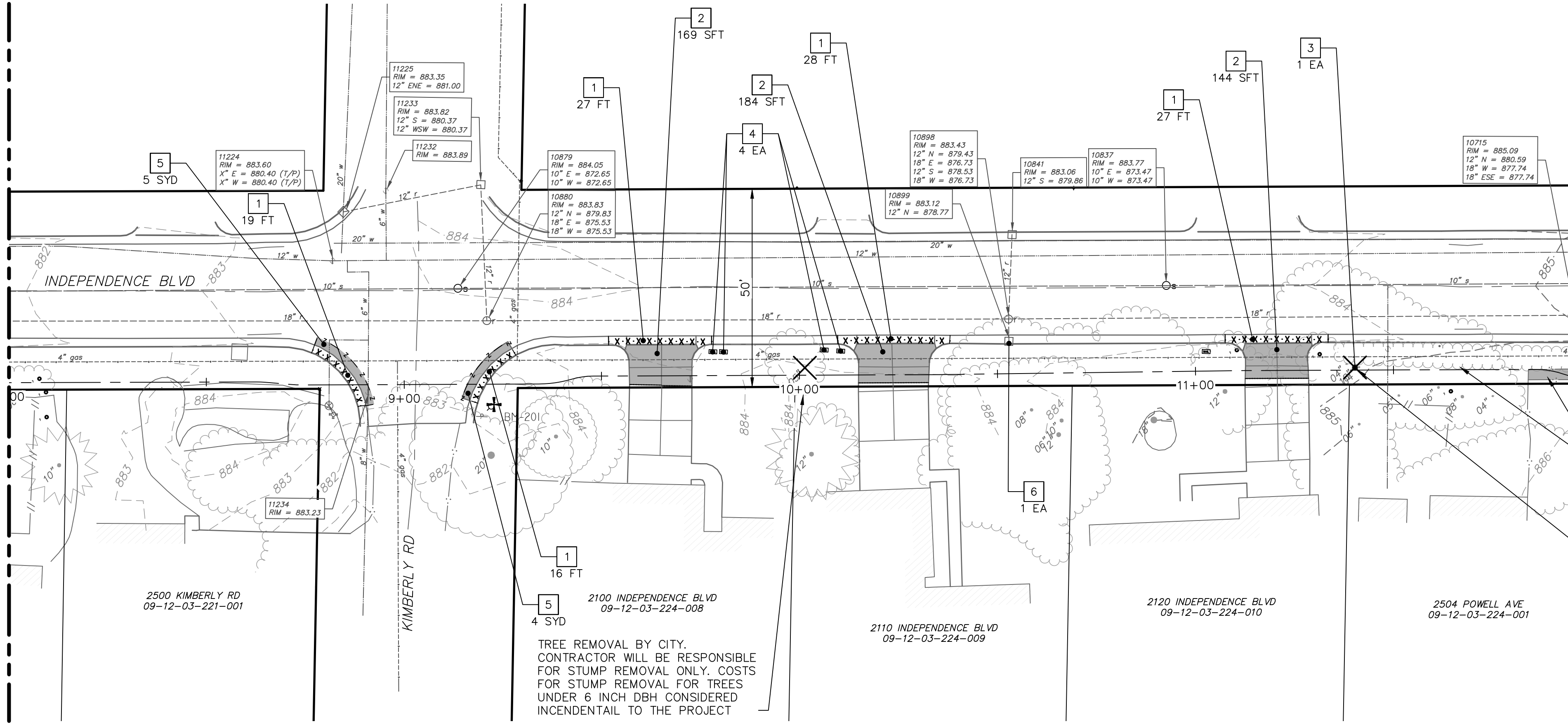
REMOVAL SYMBOLS LEGEND



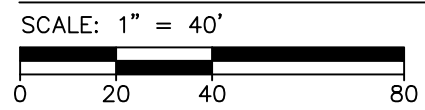
BENCHMARKS

BM 201 ELEVATION: 884.77
RAILROAD SPIKE IN NORTHERLY SIDE OF UTILITY POLE WITH LIGHT AT SOUTHEAST CORNER OF INTERSECTION OF INDEPENDENCE AVENUE AND KIMBERLY ROAD

SEE SHEET 8
STA: 8+00



PROPOSED REMOVALS - STA. 8+00 TO STA. 12+00



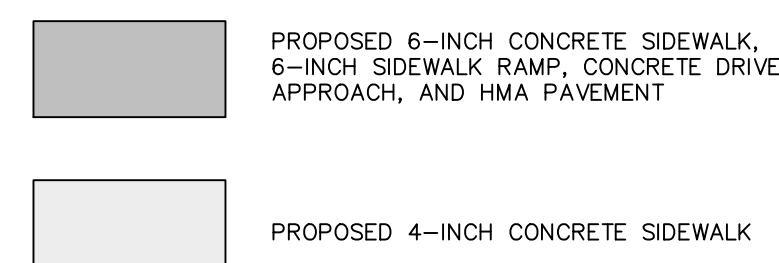
SEE SHEET 10
STA: 12+00

CONTRACTOR RESPONSIBLE FOR CLEARING EXISTING BUSHES AND GRAVEL DRIVEWAY FOR SIDEWALK CONSTRUCTION. THESE COSTS ARE TO BE INCLUDED IN THE PAY ITEM "GRADING, SIDEWALK, RAMP & DRIVEWAY APPROACH"

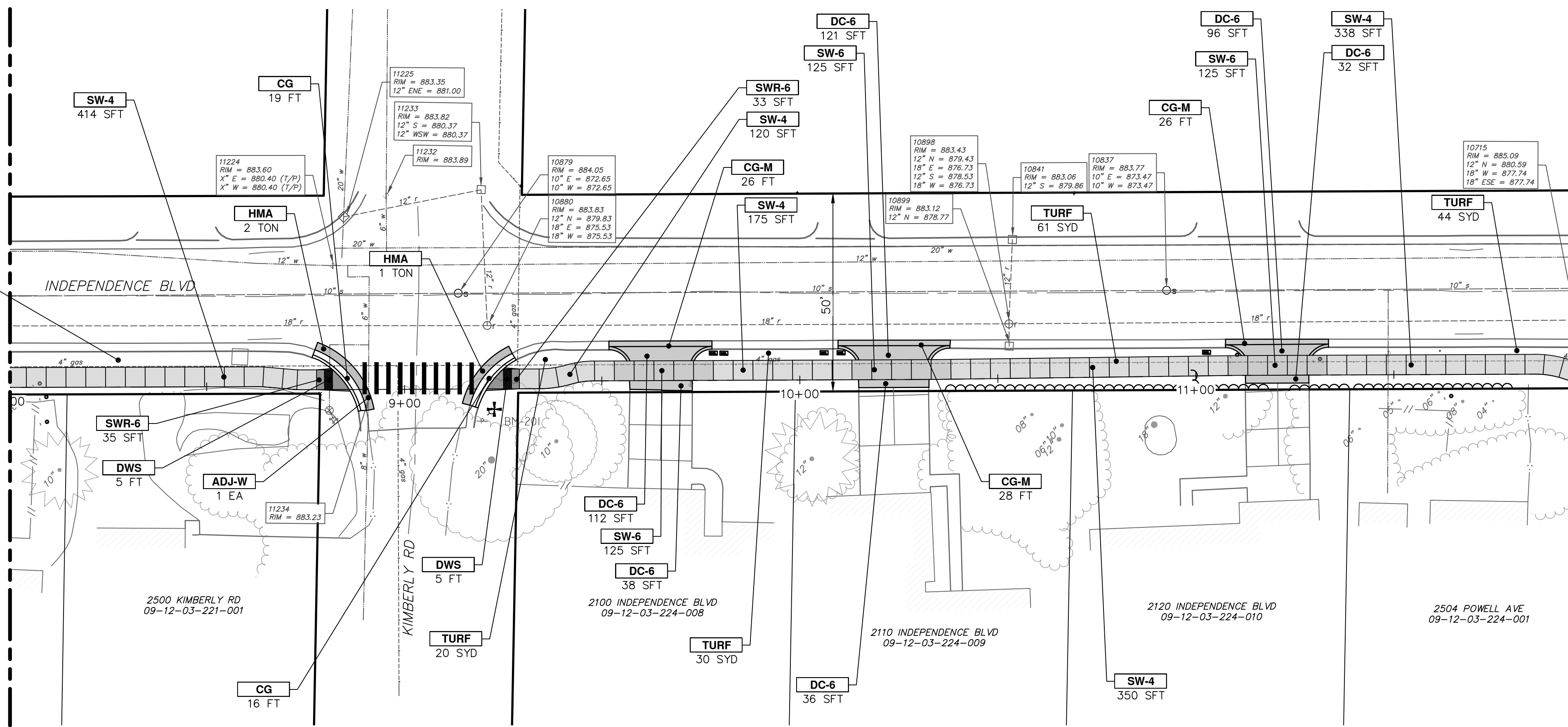
TREE REMOVAL BY CITY. CONTRACTOR WILL BE RESPONSIBLE FOR STUMP REMOVAL ONLY. COSTS FOR STUMP REMOVAL FOR TREES UNDER 6 INCH DBH CONSIDERED INCIDENTAL TO THE PROJECT

| CONSTRUCTION KEY | |
|------------------|---|
| KEY | DESCRIPTION |
| CG | CONC. CURB OR CURB & GUTTER, ALL TYPES |
| CG-M | CONC. DRIVEWAY OPENING, TYPE M |
| DC-6 | DRIVEWAY, NONREINF CONC, 6 INCH, MODIFIED |
| SW-4 | CONC. SIDEWALK, 4 INCH |
| SWR-6 | CONC. SIDEWALK OR RAMP, 6 INCH |
| DWS | DETECTABLE WARNING SURFACE |
| HMA | HMA - PAVEMENT LEVELING/TOP COURSE |
| TURF | TURF ESTABLISHMENT |
| ADJ-W | WATER STRUCTURE COVER, ADJ |

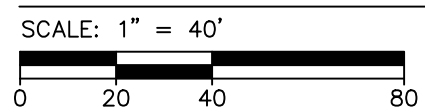
CONSTRUCTION SYMBOLS LEGEND



SEE SHEET 8
STA: 8+00



PROPOSED SIDEWALK - STA. 8+00 TO STA. 12+00



SEE SHEET 10
STA: 12+00



| REV. | DATE | DRAWN | CHECKED |
|------|------------|-------|---------|
| 04 | 1/31/2025 | JM | JM |
| 03 | 1/16/2025 | JM | JM |
| 02 | 1/6/2025 | JM | JM |
| 01 | 11/16/2024 | JM | JM |

| DESCRIPTION | DATE | DRAWN | CHECKED |
|--------------------|------------|-------|---------|
| 99% DESIGN | 1/31/2025 | JM | JM |
| PUBLIC MEETING | 1/16/2025 | JM | JM |
| 90% DESIGN | 1/6/2025 | JM | JM |
| PRELIMINARY DESIGN | 11/16/2024 | JM | JM |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48107-0667
www.a3gov.org

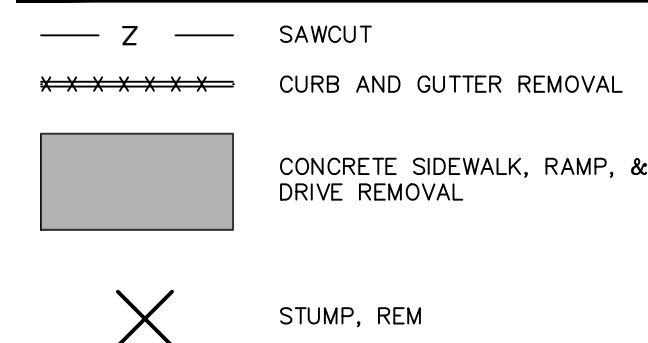


CITY OF ANN ARBOR - ENGINEERING
INDEPENDENCE BOULEVARD SIDEWALK
PROPOSED REMOVALS AND SIDEWALK
STA. 8+00 TO STA. 12+00

SHEET No. 19-9 OF 47
DRAWING No. #####

| REMOVAL KEY | |
|-------------|--|
| KEY | DESCRIPTION |
| 1 | CURB, GUTTER, AND CURB AND GUTTER, ANY TYPE, REM |
| 2 | SIDEWALK, SIDEWALK RAMP, & DRIVEWAY APPROACH, ANY THICKNESS, REM |
| 3 | STUMP, REM |
| 4 | MAILBOX, REM, TEMP RELOCATE & REINSTALL |
| 5 | HMA, ANY THICKNESS, REM |
| 6 | EROSION CONTROL, INLET PROTECTION, FABRIC DROP |
| 7 | EROSION CONTROL, SILT FENCE |
| 8 | SIGN, REM, SALV |
| 9 | STORM CURB INLET COVER, ADJ |

REMOVAL SYMBOLS LEGEND

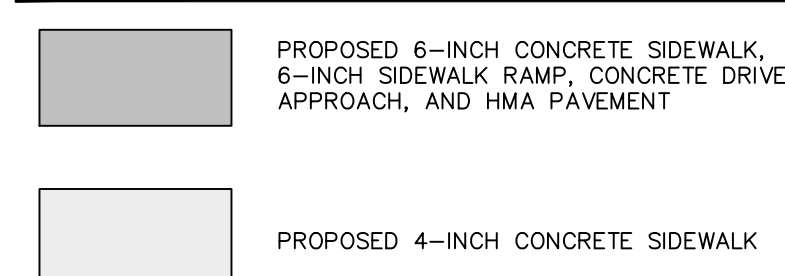


BENCHMARKS

BM 200 ELEVATION: 939.39
CITY OF ANN ARBOR BENCHMARK 1023, BRASS DISC IN CONCRETE ON NORTH SIDE OF INDEPENDENCE AVENUE WEST OF DRIVE TO HOUSE #2153

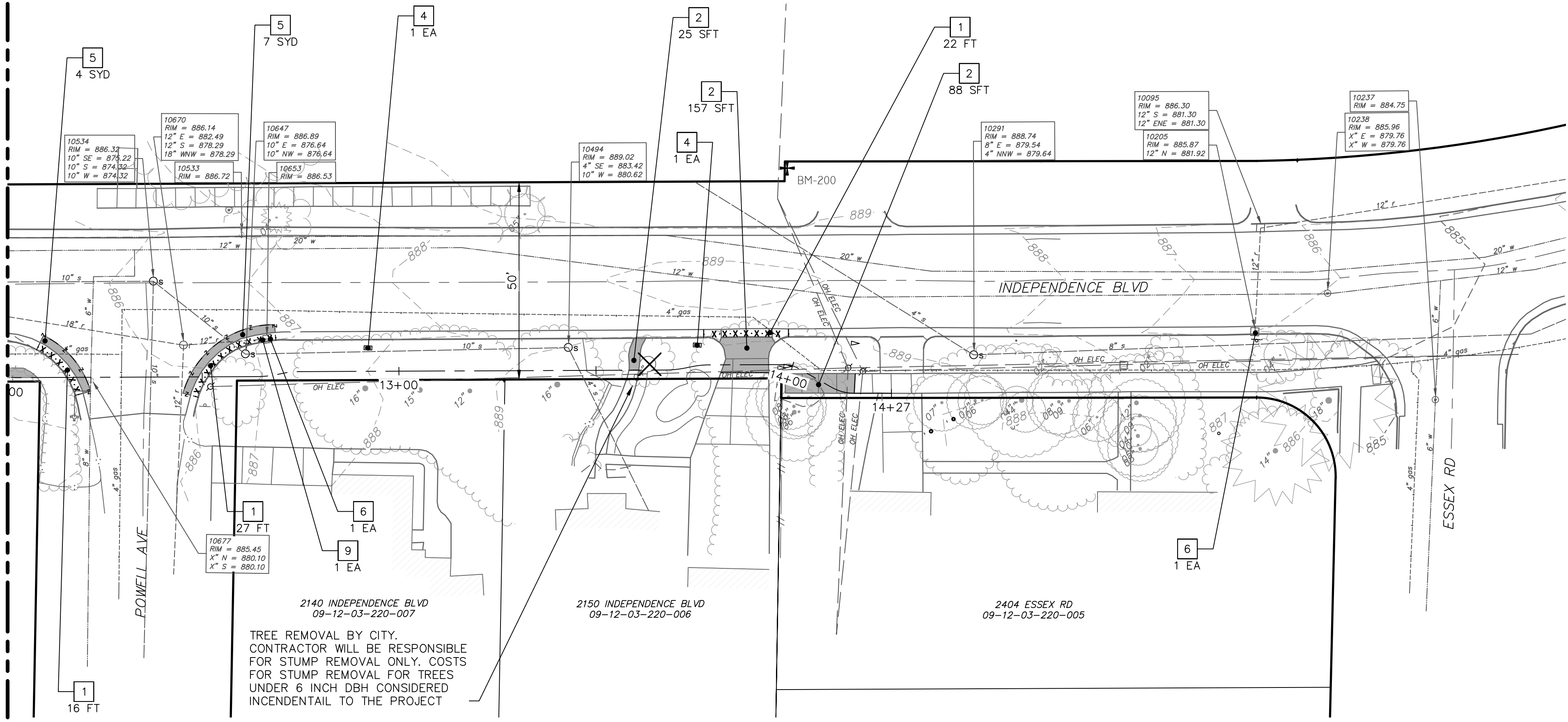
| CONSTRUCTION KEY | |
|------------------|--|
| KEY | DESCRIPTION |
| CG | CONC, CURB OR CURB & GUTTER, ALL TYPES |
| CG-M | CONC, DRIVEWAY OPENING, TYPE M |
| DC-6 | DRIVEWAY, NONREINF CONC, 6 INCH, MODIFIED |
| SW-4 | CONC, SIDEWALK, 4 INCH |
| SWR-6 | CONC, SIDEWALK OR RAMP, 6 INCH |
| DWS | DETECTABLE WARNING SURFACE |
| HMA | HMA - PAVEMENT LEVELING/TOP COURSE |
| TURF | TURF ESTABLISHMENT |
| ADJ-C | STORM CURB INLET COVER, ADJUST |
| WALL-4 | SIDEWALK RETAINING WALL, INTEGRAL, UNDER 4 INCH HEIGHT |

CONSTRUCTION SYMBOLS LEGEND

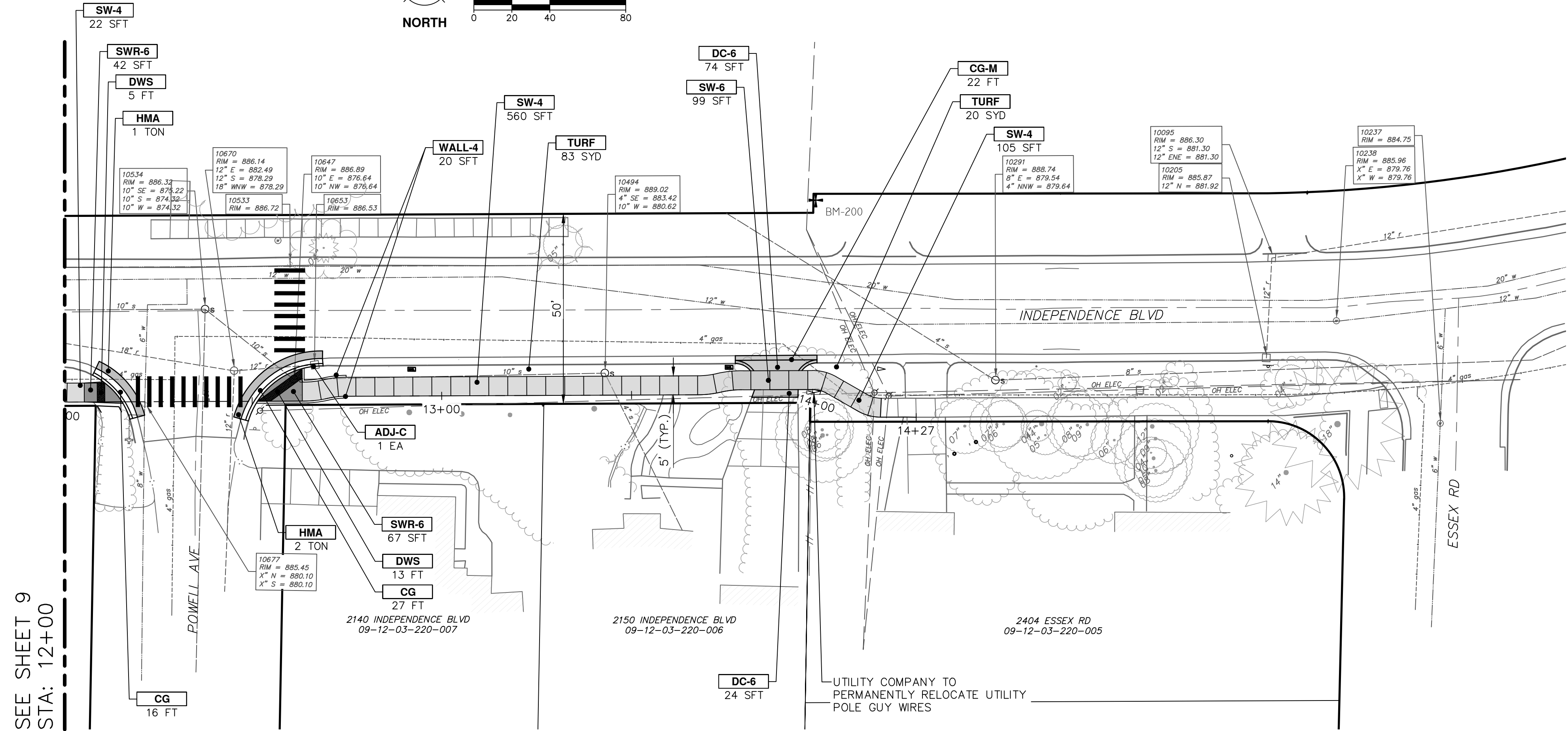
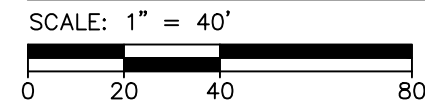


SEE SHEET 9
STA: 12+00

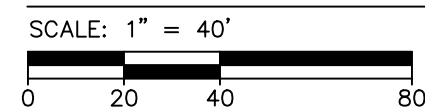
SEE SHEET 9
STA: 12+00



PROPOSED REMOVALS - STA. 12+00 TO STA. 14+27



PROPOSED SIDEWALK - STA. 12+00 TO STA. 14+27



| REV. | DATE | DRAWN | CHECKED | DESCRIPTION |
|------|------------|-------|---------|--------------------|
| 04 | 1/31/2025 | JM | JM | 99% DESIGN |
| 03 | 1/16/2025 | JM | JM | PUBLIC MEETING |
| 02 | 1/6/2025 | JM | JM | 90% DESIGN |
| 01 | 11/16/2024 | JM | JM | PRELIMINARY DESIGN |

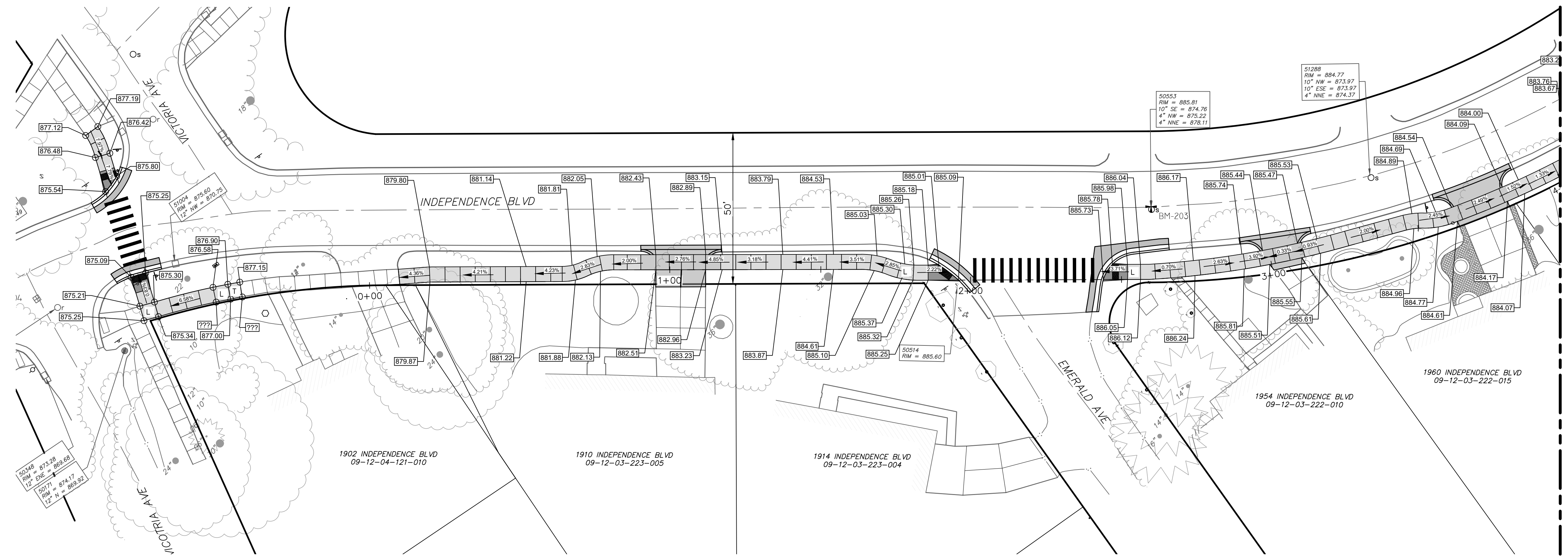
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ANN ARBOR, MI 48107-8647
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
INDEPENDENCE BOULEVARD SIDEWALK
PROPOSED REMOVALS AND SIDEWALK

SCALE PLAN: #####
DRAWING No. #####
SHEET No. 19-10 OF 47

Z:\2024\241460\CAD\CD\4_241460_grading.dwg Dwg Created: 31-Jan-25 - _a2 standard bw.stb - Plot Date: 31-Jan-25



PROPOSED GRADING - STA. 0+00 TO STA. 4+00

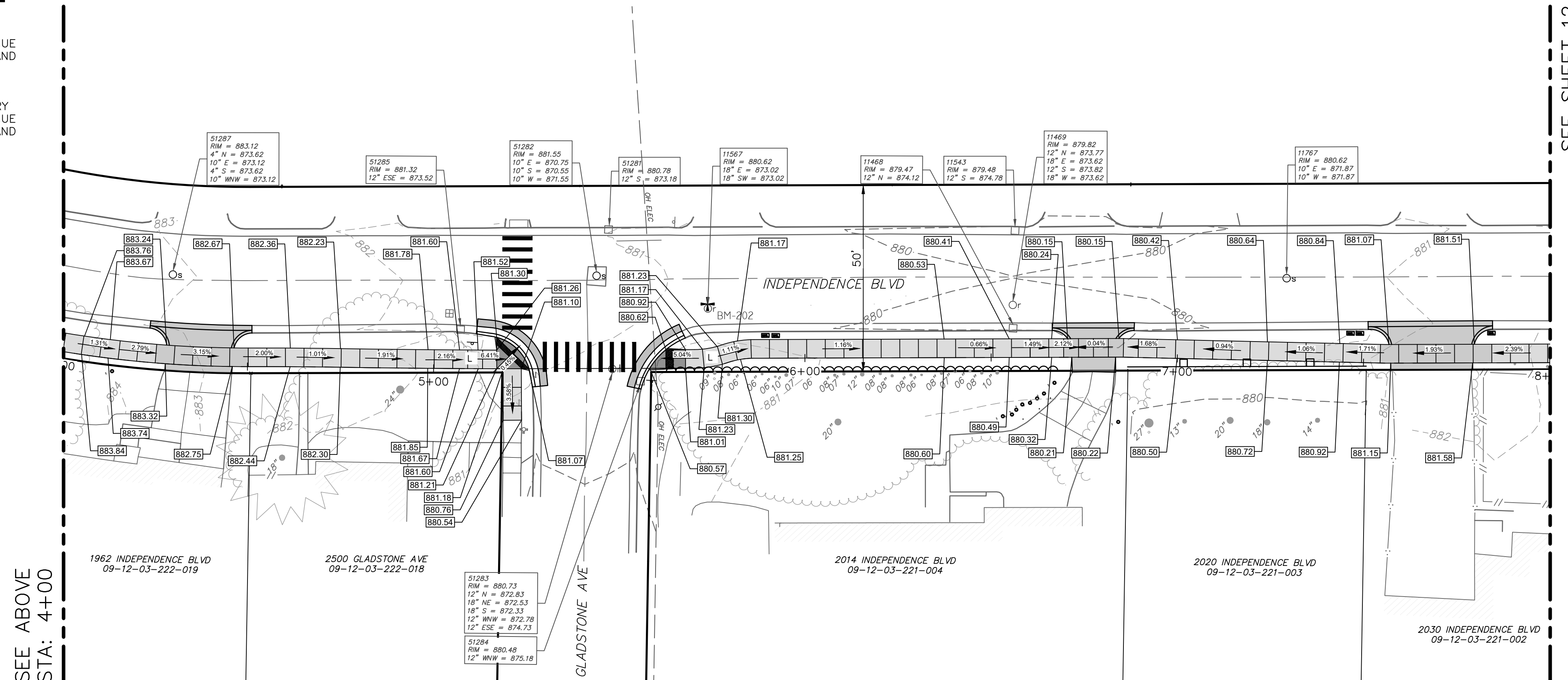
SCALE: 1" = 40'
0 20 40 80



BENCHMARKS

BM 202 ELEVATION: 880.67
CHISELED X IN NORTH SIDE OF RIM OF STORM
MANHOLE NEAR CENTERLINE OF INDEPENDENCE AVENUE
EAST OF INTERSECTION OF INDEPENDENCE AVENUE AND
GLADSTONE AVENUE

BM 203 ELEVATION: 885.81
CHISELED X IN NORTHEAST SIDE OF RIM OF SANITARY
MANHOLE NEAR CENTERLINE OF INDEPENDENCE AVENUE
EAST OF INTERSECTION OF INDEPENDENCE AVENUE AND
EMERALD AVENUE



PROPOSED GRADING - STA. 4+00 TO STA. 8+00

SCALE: 1" = 40'
0 20 40 80



SEE ABOVE
STA: 4+00

SEE SHEET 12
STA: 8+00

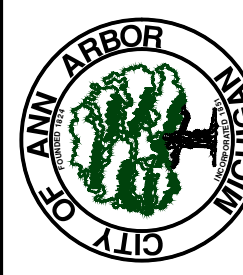
SEE BELOW
STA: 4+00



| REV. | DATE | DRAWN | CHECKED |
|------|------------|-------|---------|
| 04 | 1/31/2025 | JM | ML2 |
| 03 | 1/16/2025 | JM | ML2 |
| 02 | 1/6/2025 | JM | ML2 |
| 01 | 11/16/2024 | JM | ML2 |

| REV. | DESCRIPTION |
|------|--------------------|
| 04 | 98% DESIGN |
| 03 | PUBLIC MEETING |
| 02 | 90% DESIGN |
| 01 | PRELIMINARY DESIGN |

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
INDEPENDENCE BOULEVARD SIDEWALK
PROPOSED GRADING
STA. 0+00 TO STA. 8+00

SHEET No. **19-11** OF 47
DRAWING No. #####-###
SCALE PLAN: #####

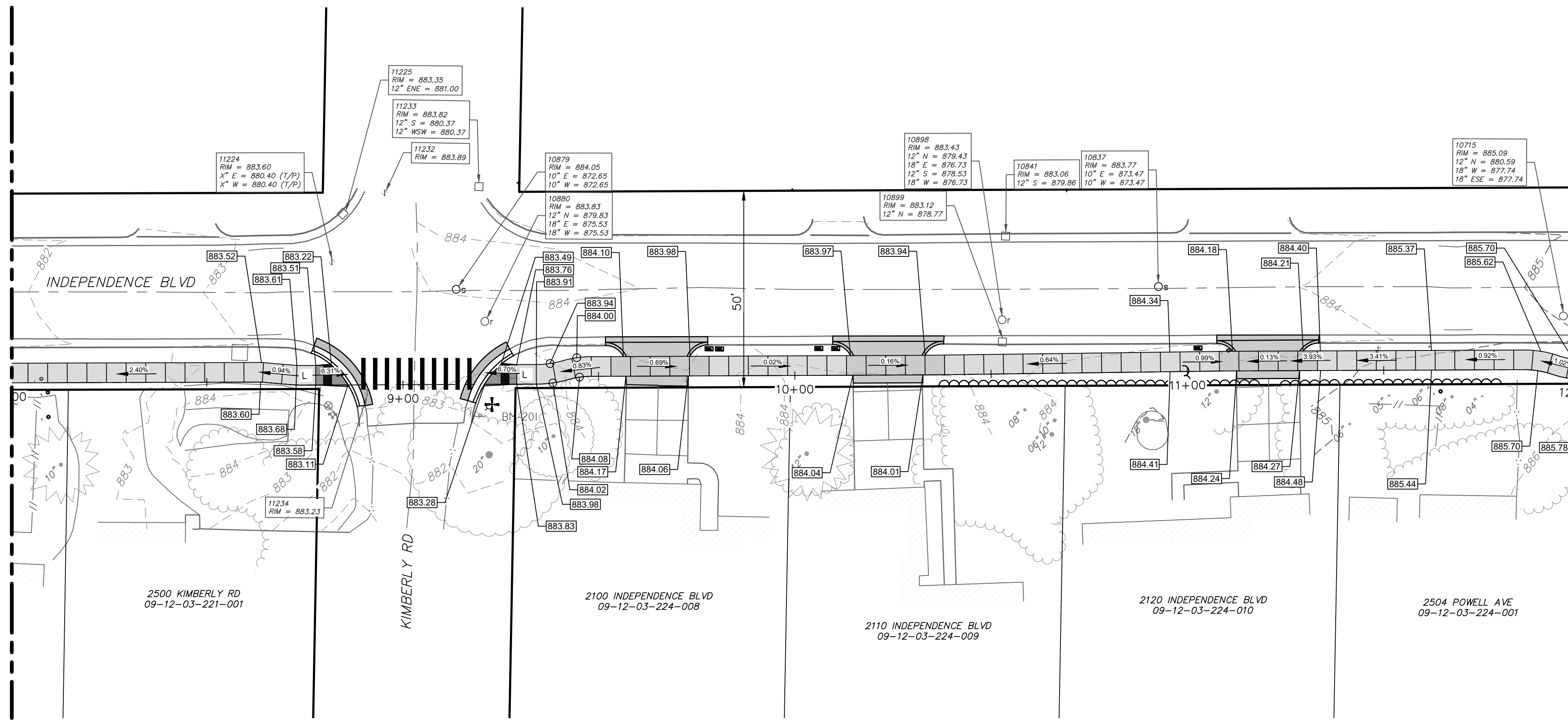
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BENCHMARKS

BM 200 ELEVATION: 939.39
CITY OF ANN ARBOR BENCHMARK 1023, BRASS DISC
IN CONCRETE ON NORTH SIDE OF INDEPENDENCE
AVENUE WEST OF DRIVE TO HOUSE #2153

BM 201 ELEVATION: 884.77
RAILROAD SPIKE IN NORTHERLY SIDE OF UTILITY POLE
WITH LIGHT AT SOUTHEAST CORNER OF INTERSECTION
OF INDEPENDENCE AVENUE AND KIMBERLY ROAD

SEE SHEET 11
STA: 8+00

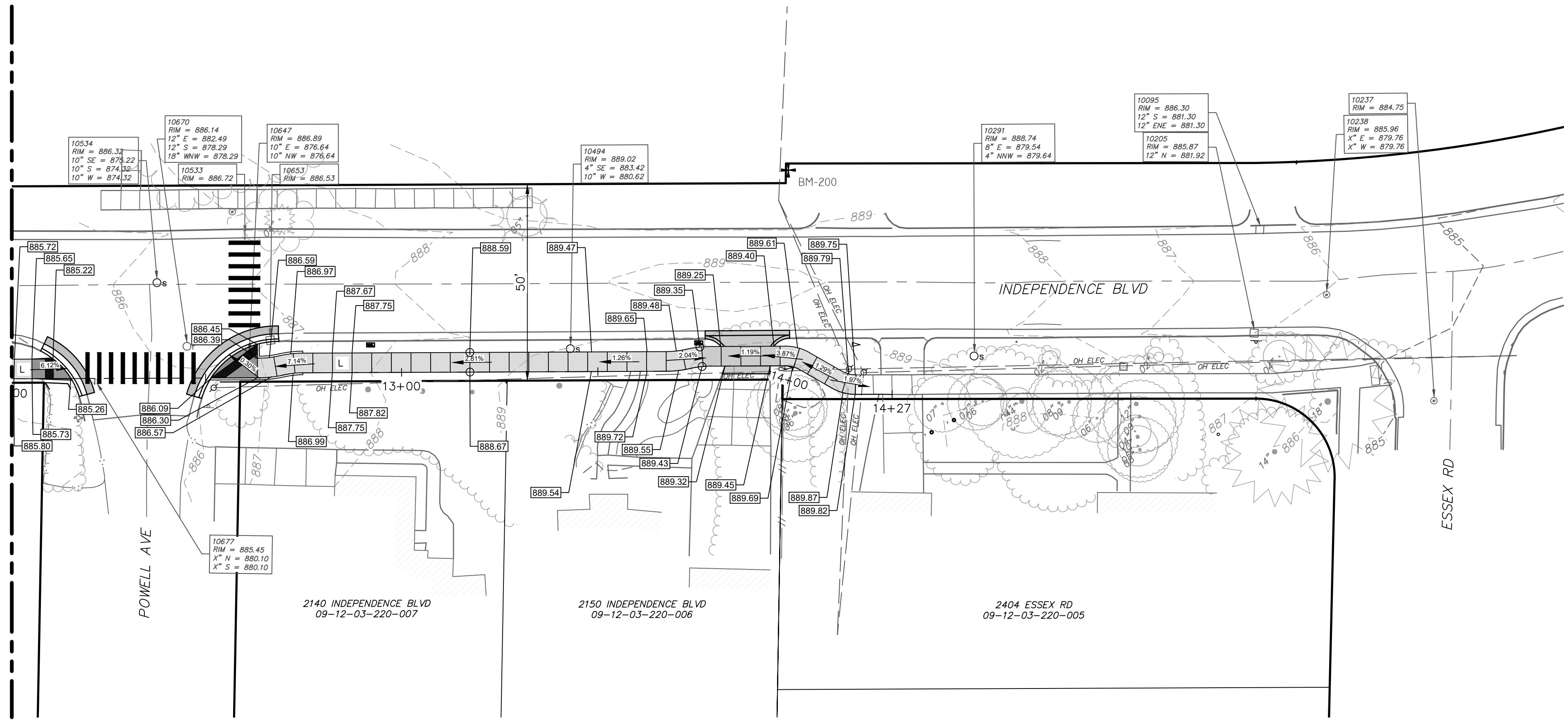


SEE BELOW
STA: 12+00

PROPOSED SIDEWALK - STA. 8+00 TO STA. 12+00

SCALE: 1" = 40'

SEE ABOVE
STA: 12+00



PROPOSED SIDEWALK - STA. 12+00 TO STA. 14+27

SCALE: 1" = 40'



| REV. | DATE | DRAWN | CHECKED |
|------|------------|-------|---------|
| 04 | 1/31/2025 | JM | ML2 |
| 03 | 1/16/2025 | JM | ML2 |
| 02 | 1/6/2025 | JM | ML2 |
| 01 | 11/16/2024 | JM | ML2 |

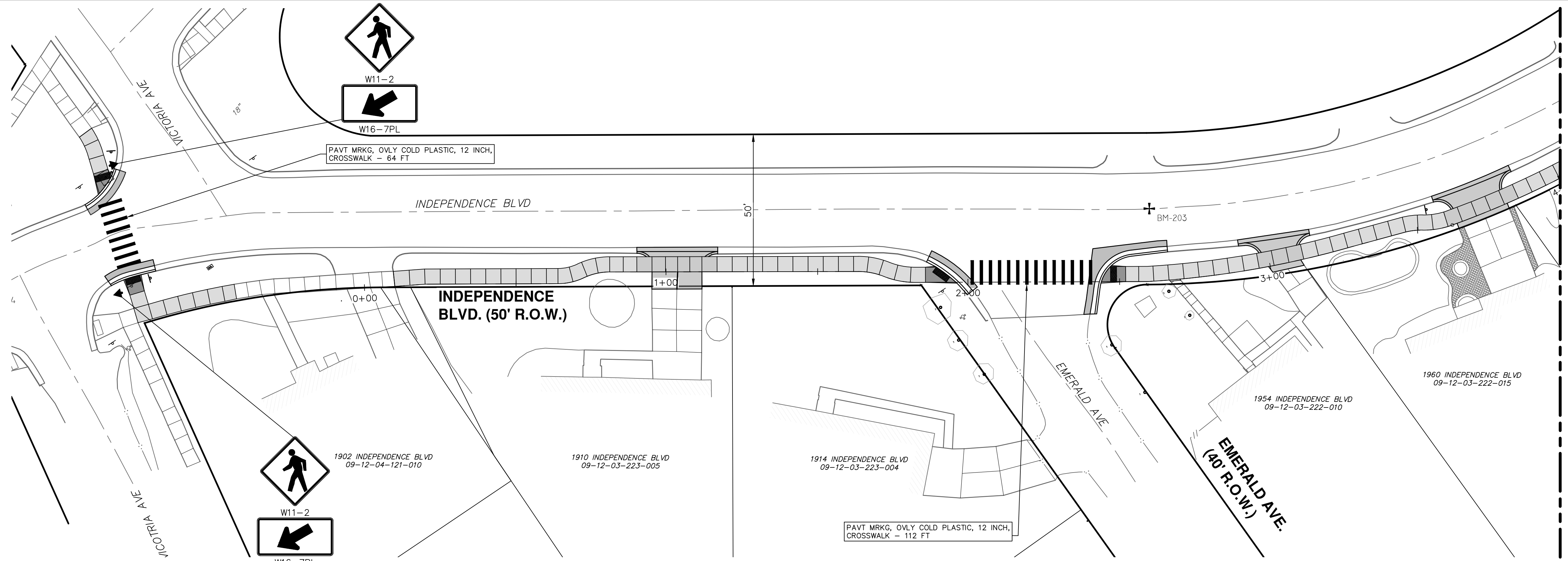
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
INDEPENDENCE BOULEVARD SIDEWALK
PROPOSED GRADING
STA. 8+00 TO 14+27

SCALE PLAN: #####
DRAWING No. #####-###

Z:\2024\241460\CAD\CD\5_241460_pavement marking.dwg Dwg Created: 31-Jan-25 - _o2_standard bw.stb - Plot Date: 31-Jan-25



BENCHMARKS

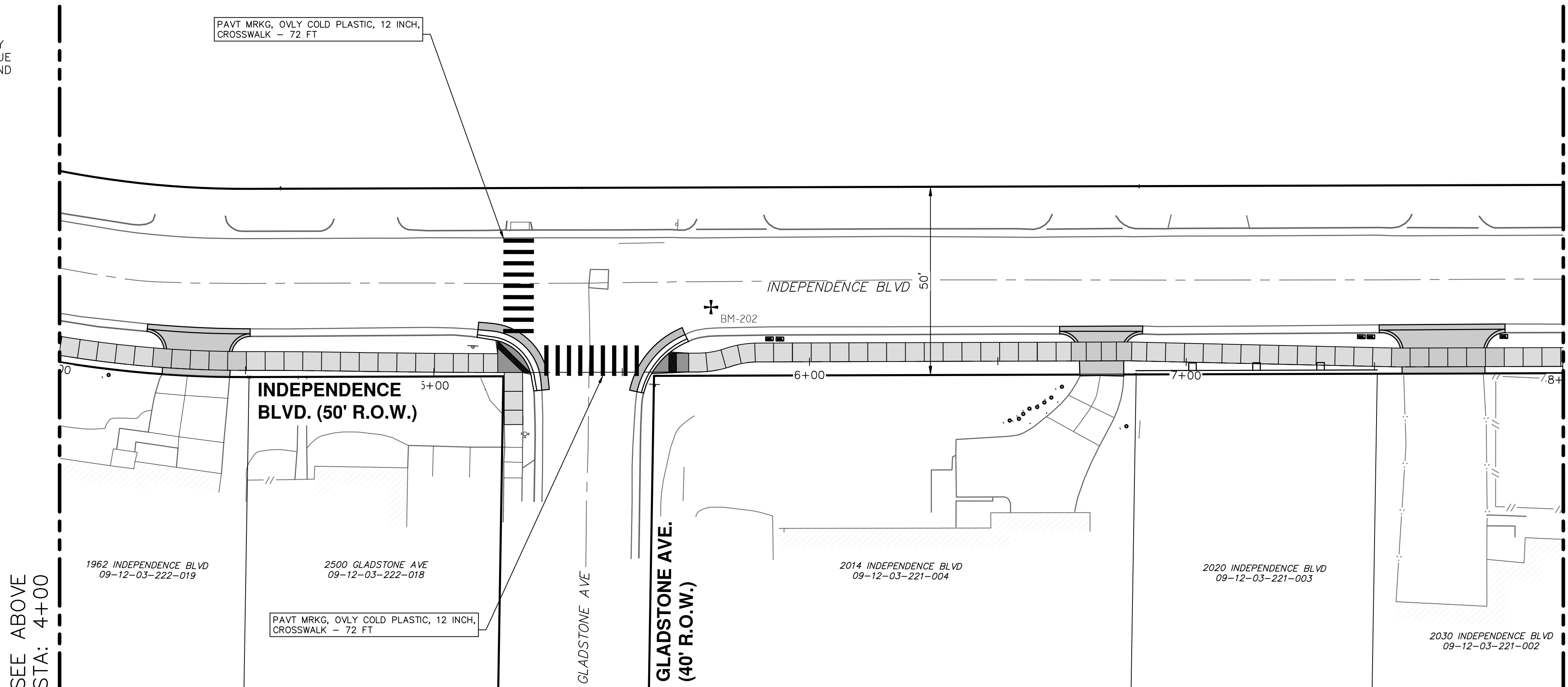
BM 202 ELEVATION: 880.67
CHISELED X IN NORTH SIDE OF RIM OF STORM
MANHOLE NEAR CENTERLINE OF INDEPENDENCE AVENUE
EAST OF INTERSECTION OF INDEPENDENCE AVENUE AND
GLADSTONE AVENUE

BM 203 ELEVATION: 885.81
CHISELED X IN NORTHEAST SIDE OF RIM OF SANITARY
MANHOLE NEAR CENTERLINE OF INDEPENDENCE AVENUE
EAST OF INTERSECTION OF INDEPENDENCE AVENUE AND
EMERALD AVENUE



PROPOSED PAVEMENT MARKING AND SIGNAGE - STA. 0+00 TO STA. 4+00

SCALE: 1" = 40'
0 20 40 80



SEE SHEET 14
STA: 8+00



PROPOSED PAVEMENT MARKING AND SIGNAGE - STA. 4+00 TO STA. 8+00

SCALE: 1" = 40'
0 20 40 80



| REV. | DATE | DRAWN | CHECKED |
|------|-----------|-------|---------|
| 04 | 1/31/2025 | JM | ML2 |
| 03 | 1/16/2025 | JM | ML2 |
| 02 | 1/6/2025 | JM | ML2 |
| 01 | 11/6/2024 | JM | ML2 |

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
INDEPENDENCE BOULEVARD SIDEWALK
PAVEMENT MARKING AND SIGNAGE

SCALE PLAN: #####
DRAWING No. #####

SHEET No.

Z: \\2024\241460\CAD\5_241460_pavement marking.dwg Dwg Created: 31-Jan-25 - _o2_standard bw.stb - Plot Date: 31-Jan-25

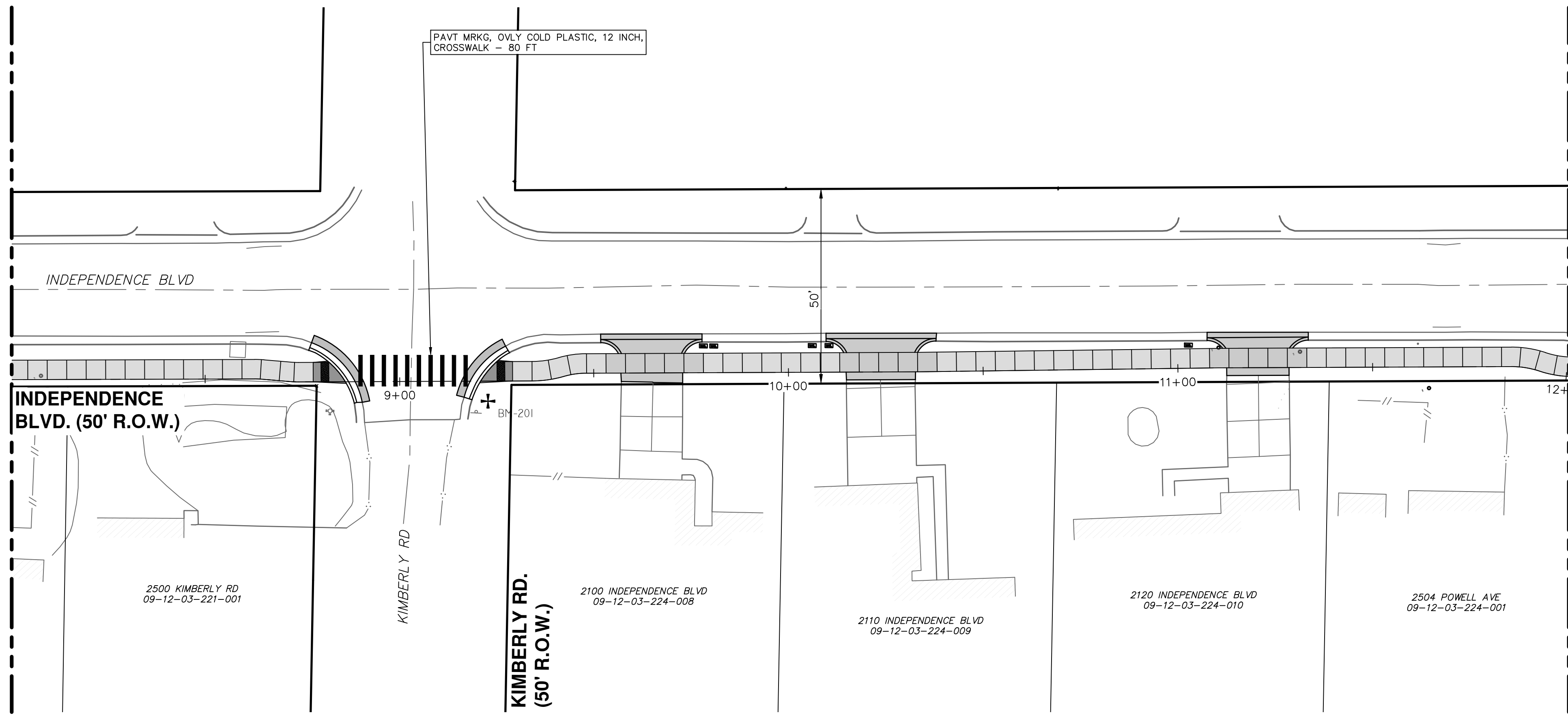
BENCHMARKS

BM 200 ELEVATION: 939.39
CITY OF ANN ARBOR BENCHMARK 1023, BRASS DISC
IN CONCRETE ON NORTH SIDE OF INDEPENDENCE
AVENUE WEST OF DRIVE TO HOUSE #2153

BM 201 ELEVATION: 884.77
RAILROAD SPIKE IN NORTHERLY SIDE OF UTILITY POLE
WITH LIGHT AT SOUTHEAST CORNER OF INTERSECTION
OF INDEPENDENCE AVENUE AND KIMBERLY ROAD

SEE SHEET 13
STA: 8+00

SEE ABOVE
STA: 12+00

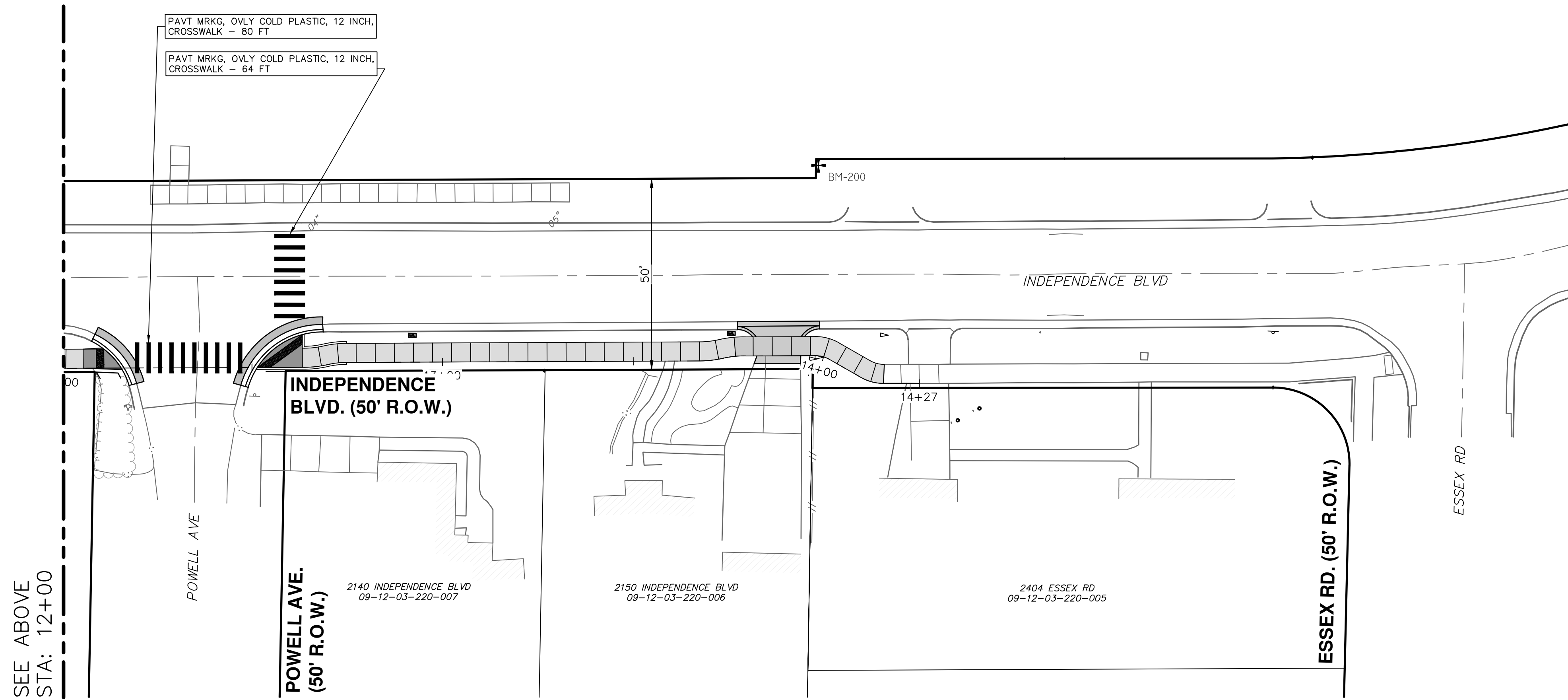


PROPOSED PAVEMENT MARKING AND SIGNAGE - STA. 8+00 TO STA. 12+00

SCALE: 1" = 40'
0 20 40 80

PAVT MRKG, OVLY COLD PLASTIC, 12 INCH,
CROSSWALK - 80 FT

PAVT MRKG, OVLY COLD PLASTIC, 12 INCH,
CROSSWALK - 64 FT



PROPOSED PAVEMENT MARKING AND SIGNAGE - STA. 12+00 TO STA. 14+27

SCALE: 1" = 40'
0 20 40 80

SEE BELOW
STA: 12+00



Know what's below.
Call Before you dig.

| REV. | DATE | DRAWN | CHECKED |
|------|-----------|-------|---------|
| 04 | 1/31/2025 | JM | ML2 |
| 03 | 1/16/2025 | JM | ML2 |
| 02 | 1/6/2025 | JM | ML2 |
| 01 | 11/6/2024 | JM | ML2 |

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
INDEPENDENCE BOULEVARD SIDEWALK
PAVEMENT MARKING AND SIGNAGE
STA. 8+00 TO 14+27

SCALE PLAN: #####
DRAWING No. #####-###



CITY OF ANN ARBOR

ENGINEERING

OLD BOSTON CT

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

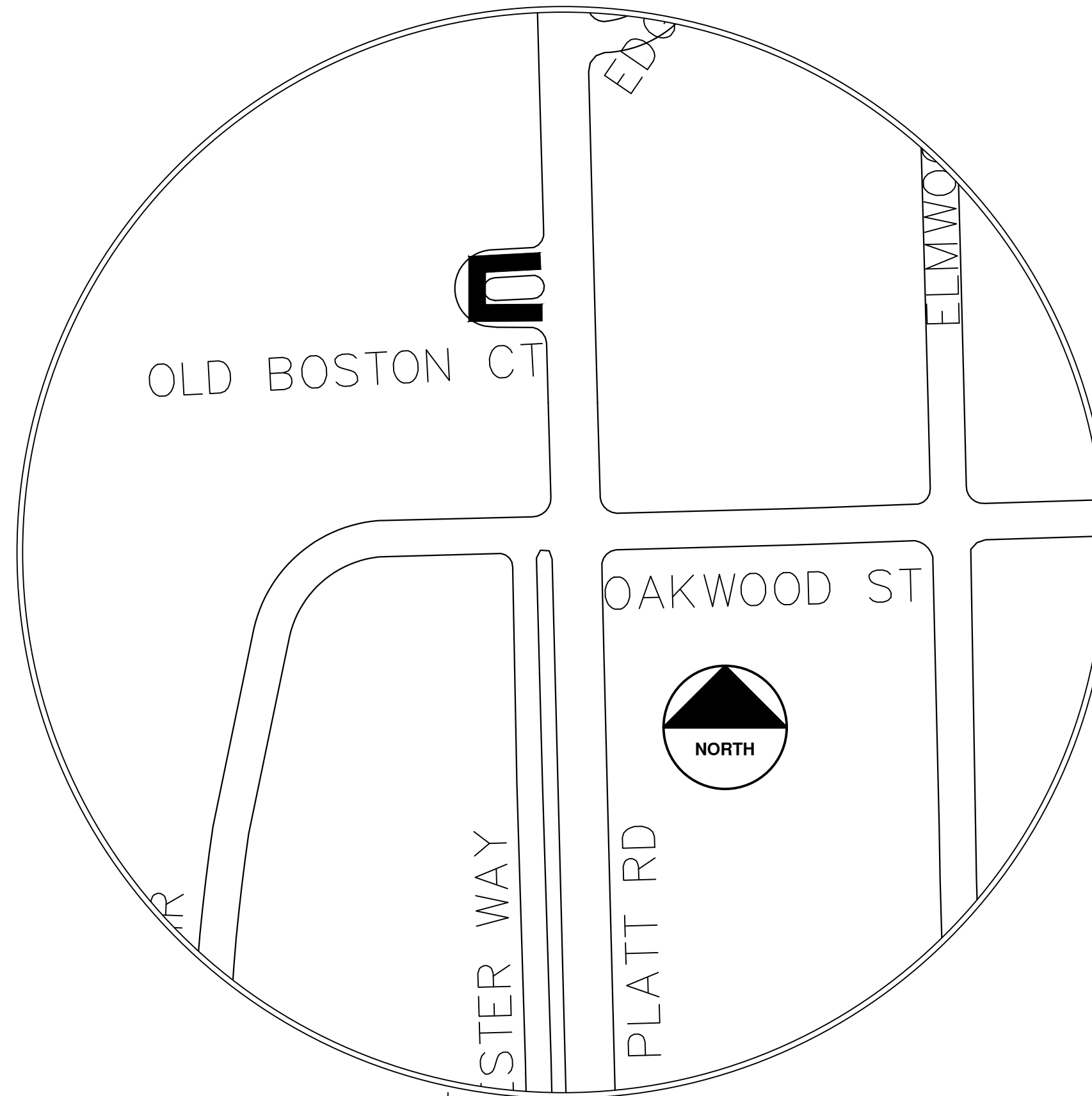
THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
6. TEMPORARILY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
7. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
8. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
9. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
10. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
11. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA MIXTURE.
12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
13. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING 4EL HMA MIXTURE.
14. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
15. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
16. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
19. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
20. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 2 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 87 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 8 |
| Temporary "No Parking" Sign | Ea | 6 |
| Lighted Arrow, Type C, Furn & Oper | Ea | 1 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 30 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 2 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 4 |
| Cold-Milling HMA Surface | Syd | 512 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 185 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 36 |
| DS_Grading Roadway | Syd | 512 |
| Undercutting, Type III | Cyd | 10 |
| DS_Storm Curb Inlet Adjust | Ea | 2 |
| 12 In., PE Storm Sewer, SD-TD-2 | Ft | 8 |
| DS_Storm Single Inlet, 24 In. ,Dia., (0-8'deep) | Ea | 1 |
| Storm Sewer Pipe, 12 in. Dia., Rem | Ft | 7 |
| Storm Sewer Drop Structure, Rem | Ea | 1 |
| DS_Storm Structure Cover, Type K | Ea | 1 |
| Curb Box, Adjust | Ea | 1 |
| DS_Flowable Fill | Cyd | 1 |
| HMA, 4EL | Ton | 120 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 125 |
| Conc, Driveway Opening, Type M | Ft | 60 |
| Conc, Sidewalk or Ramp, 6 inch | Sft | 36 |
| Detectable Warning Surface | Ft | 5 |
| Pavt Mrkg, Polymer Cement Surface, Bike Lane Green | Sft | 200 |
| Pavt Mrkg, Thermopl, 12 In., Crosswalk | Ft | 136 |
| Pavt Mrkg, Thermopl, 24 In., Stop Bar | Ft | 24 |
| Turf Restoration | Syd | 45 |



T:\2025004\Plan_Production\Cover Sheets\Old Boston Ct.dwg - _a2_standard bw.stb - Plot Date: 2/3/2025 12:04:40 PM



| | | | | | | | |
|--|--|--|------------|----------|----------|----------|-------------|
| | | | | | | | |
| | | | 02/04/25 | 07/22/25 | 02/04/25 | 07/22/25 | |
| | | | ADDENDUM 2 | BID SET | REVISION | DRAWN | CHECKED |
| | | | 02 | 01 | | | REV. |
| | | | | | | | DESCRIPTION |

CITY OF ANN ARBOR
PUBLIC SERVICES
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ANN ARBOR MI 48107-0647
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
OLD BOSTON CT - COVER SHEET

SCALE
DRAWING No.
2025-004-20

SHEET No.
20 OF 47

© ANNUAL RESURFACING PROGRAM - 2025; RFP No. 25-02; 2025-004



CITY OF ANN ARBOR ENGINEERING STEERE PL

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

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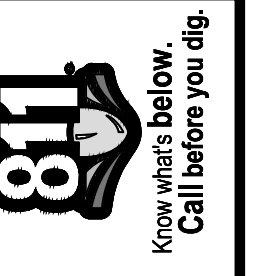
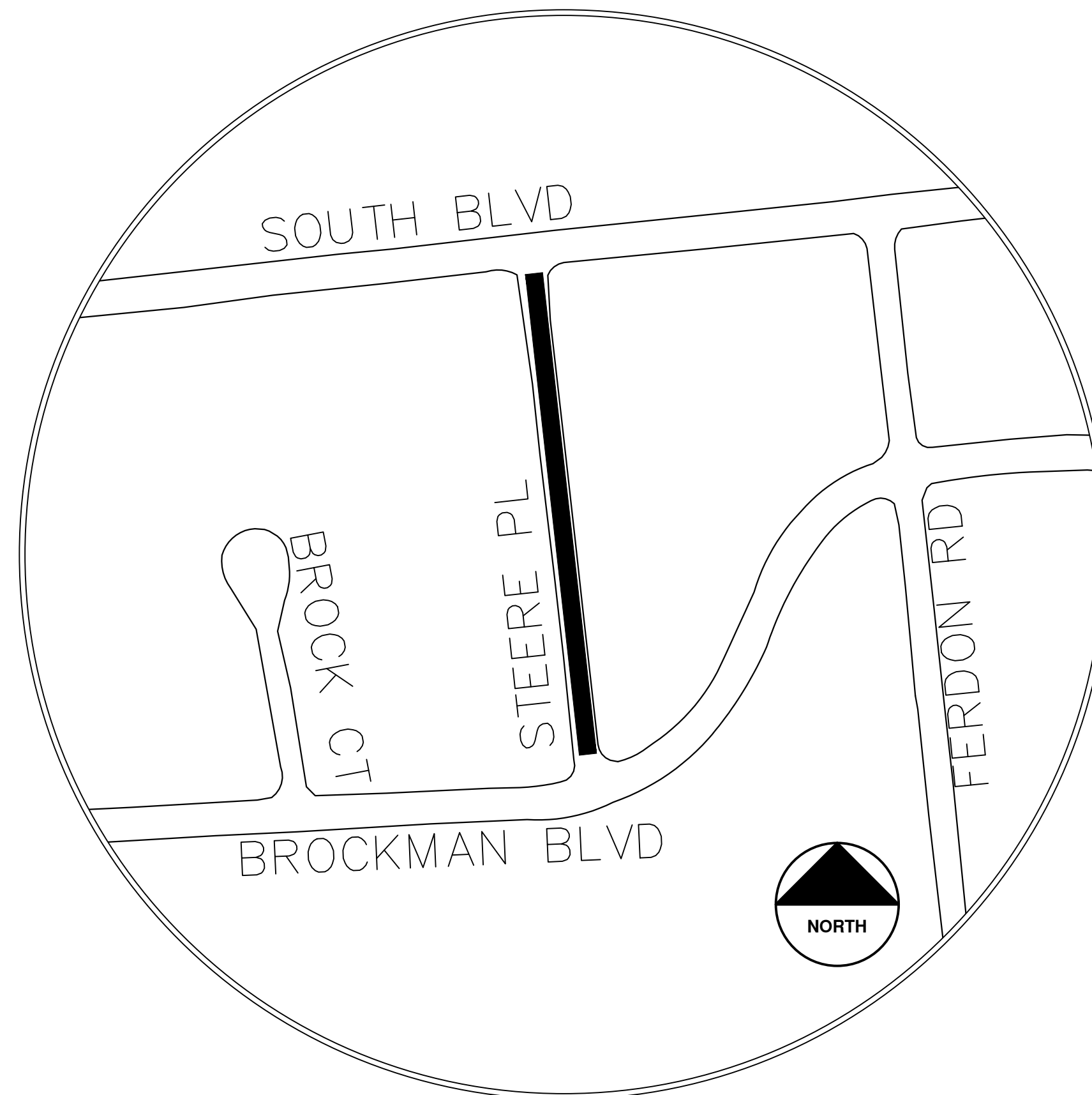
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4. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
6. TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
7. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH – APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
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20. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

| Item Description | Unit | Estimate Qty |
|---|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 3 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 56 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 16 |
| Temporary "No Parking" Sign | Ea | 30 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 2 |
| Cold-Milling HMA Surface | Syd | 930 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 245 |
| DS_Grading Roadway | Syd | 930 |
| Undercutting, Type III | Cyd | 19 |
| DS_Sanitary Structure Cover, Adjust | Ea | 1 |
| Water Gate Valve Box, Adjust | Ea | 1 |
| HMA, 4EL | Ton | 220 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 133 |
| Conc, Driveway Opening, Type M | Ft | 112 |
| Pavt Mrkg, Thermopl, 12 In., Crosswalk | Ft | 56 |
| Pavt Mrkg, Thermopl, 24 In., Stop Bar | Ft | 11 |
| Turf Restoration | Syd | 50 |



| NO. | DATE | BY | DESCRIPTION |
|-----|----------|----------|-------------|
| 02 | 02/04/25 | CE/VO/DW | ADDENDUM 2 |
| 01 | 01/22/25 | CE/VO/DW | BID SET |
| | | | DRAWN |
| | | | CHECKED |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-1647
734.794.4410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

ANNUAL RESURFACING PROGRAM - 2025
STEERE PL - COVER SHEET

DRAWING No.
2025-004-21



CITY OF ANN ARBOR ENGINEERING WASHTENAW SERVICE DRIVE

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS", COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

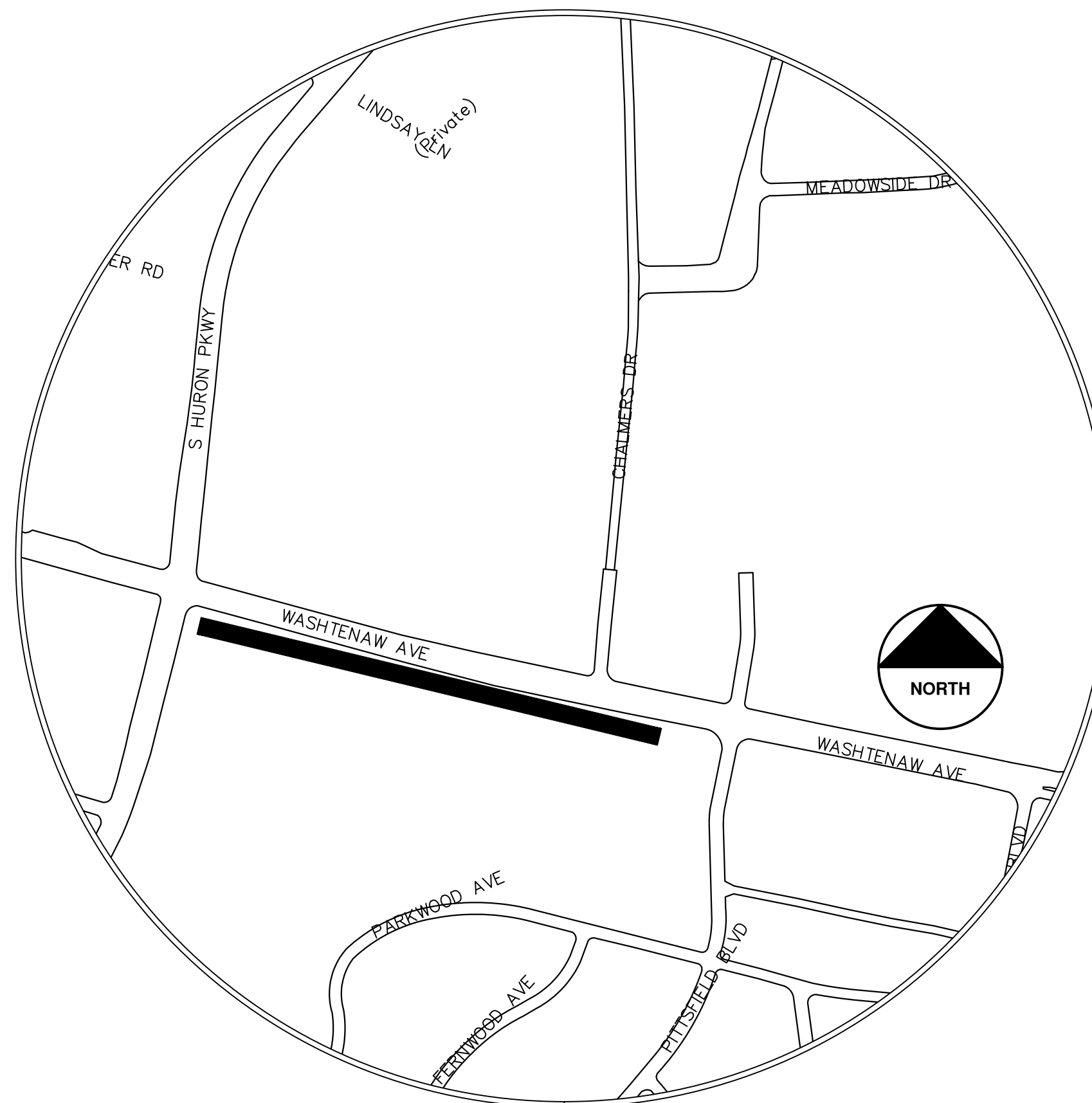
PHASE-1 WEST HALF OF THE PARKING LOT (LIMITS TO BE DETERMINED BY THE ENGINEER PRIOR TO START OF WORK) WEST HALF MUST BE FINISHED PAVED PRIOR TO STARTING THE EAST HALF TO ALLOW BUSINESS PARKING THRU THE PROJECT. DURING PHASE 1 ALL PARKING WILL BE DIRECTED TO THE EAST HALF OF PROJECT THAT IS NOT UNDER CONSTRUCTION.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
3. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
4. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
5. TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED.
6. REMOVE ALL OF THE EXISTING HMA SURFACE (APPROXIMATELY 4 INCHES) BY COLD MILLING. REMOVE SUFFICIENT EXISTING BASE TO ALLOW FOR THE PLACEMENT OF 4 INCHES OF NEW HMA .
7. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED BY THE ENGINEER.
8. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
9. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
10. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH LEVELING COURSE HMA MIX (4EL).
11. PRIOR TO OR AT TIME OF WEARING COURSE PLACE HMA WEDGING VARIABLE THICKNESS AT WEST MOST LIMITS WERE MARKED OUT OR AS DIRECTED BY THE ENGINEER

1. CLEAN PAVEMENT AND PLACE TACK COAT AND PLACE 2.0 INCH HMA TOP COURSE, USING 4EL HMA MIXTURE, WITH APPROVAL FROM THE ENGINEER.
2. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
3. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
4. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.
5. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.

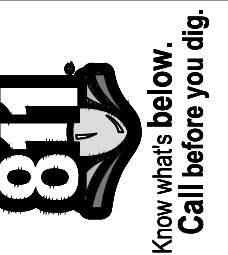
PHASE-2 EAST HALF OF THE PARKING LOT (LIMITS TO BE DETERMINED BY THE ENGINEER PRIOR TO START OF WORK) WEST HALF MUST BE FINISHED PAVED. ALL STRUCTURES SHALL BE ADJUSTED AND PAVEMENT MARKINGS COMPLETED PRIOR TO STARTING THE EAST HALF TO ALLOW BUSINESS PARKING THRU THE PROJECT. PARKING WILL BE DIRECTED TO THE WEST HALF OF THE SERVICE DRIVE UPON COMPLETION TO ALLOW PARKING FOR BUSINESSES.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
3. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
4. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
5. TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED.
6. REMOVE ALL OF THE EXISTING HMA SURFACE (APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
7. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED BY THE ENGINEER.
8. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
9. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
10. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH LEVELING COURSE HMA MIX (4EL).
11. CLEAN PAVEMENT AND PLACE TACK COAT AND PLACE 2.0 INCH HMA TOP COURSE, USING 4EL HMA MIXTURE, WITH APPROVAL FROM THE ENGINEER.
12. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
13. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED
14. REMOVE ALL SESC MEASURES.
15. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
16. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
17. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.



| Item Description | Unit | Estimate Qty |
|---|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 6 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 93 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 83 |
| DS_ Sign, Type IIIB | Sft | 20 |
| DS_Perforated Steel Square Tube Breakaway System | Ea | 10 |
| Lighted Arrow, Type C, Furn & Oper | Ea | 1 |
| Sign, Portable, Changeable Message, Furn & Oper | Ea | 2 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 90 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 6 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 2 |
| Temporary Pedestrian Mat, Furn & Oper | Ft | 40 |
| Cold-Milling HMA Surface | Syd | 6977 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 548 |
| DS_Grading Roadway | Syd | 6977 |
| Undercutting, Type III | Cyd | 300 |
| DS_Sanitary Structure Cover, Adjust | Ea | 5 |
| DS_Storm Structure Cover, Adjust | Ea | 4 |
| DS_Storm Curb Inlet Adjust | Ea | 2 |
| Underdrain, Subgrade, 6 inch | Ft | 450 |
| DS_Water Structure Cover, Adjust | Ea | 1 |
| Water Gate Valve Box, Adjust | Ea | 6 |
| DS_Aggregate Base Course, 21AA, CIP | Ton | 50 |
| DS_Flowable Fill | Cyd | 2 |
| HMA, 4EL | Ton | 1620 |
| DS_HMA Wedging, Variable Thickness | Ton | 26 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 344 |
| Conc, Driveway Opening, Type M | Ft | 204 |
| DS_Pavt Mrkg, Polymer Cement Surface, Tan | Sft | 610 |
| Pavt Mrkg, Sprayable Thermopl, 4 In., White | Ft | 80 |
| Pavt Mrkg, Thermopl, 12 In., Crosswalk | Ft | 216 |
| Pavt Mrkg, Thermopl, 24 In., Stop Bar | Ft | 24 |
| Pavt Mrkg, Thermopl, 4 In., For On?Street Parking, White | Ft | 4420 |
| Pavt Mrkg, Preformed Thermopl, Accessible Sym | Ea | 5 |
| DS_Pavt Mrkg, Waterborne, for Rest Areas, Parks, and Lots, 4 inch, Blue | Ft | 383 |
| DS_Bikeway Delineator Post Black | Ea | 8 |

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| 02 | 02/04/25 | BE/VO/DW | ADDENDUM 2 |
| 01 | 01/22/25 | BE/VO/DW | BID SET |
| | | | REV. |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48106-6647
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
WASHTENAW SERVICE DR - COVER SHEET

SCALE
DRAWING No.
2025-004-22

SHEET No.
22 OF 47

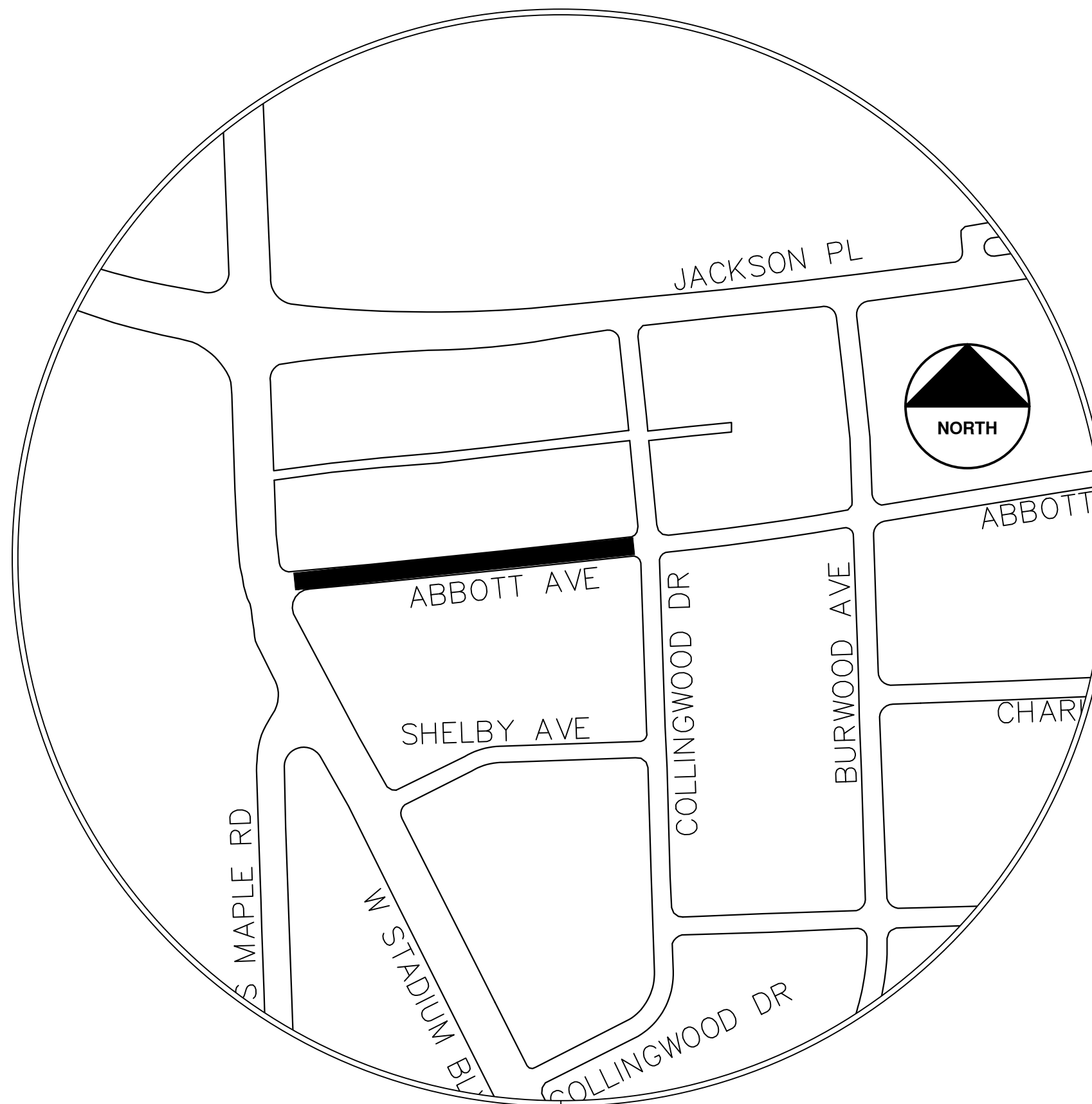
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CITY OF ANN ARBOR ENGINEERING ABBOT ST

RFP No. 25-02, FILE No. 2025-004

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 28 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 8 |
| Temporary "No Parking" Sign | Ea | 10 |
| Lighted Arrow, Type C, Furn & Oper | Ea | 1 |
| Plastic Drum, High Intensity, Lighted, Furn & Oper | Ea | 5 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 30 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 1 |
| Cold-Milling HMA Surface | Syd | 756 |
| DS_HMA Surface, Around Structure Cover, Rem | Ea | 3 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 50 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 100 |
| HMA, 4EL | Ton | 84 |
| DS_HMA, Wedging | Ton | 4 |
| Conc, Driveway Opening, Type M | Ft | 50 |
| Conc, Sidewalk, Drive Approach, or Ramp, 8 In. | Sft | 100 |
| Pavt Mrkg, Thermopl, 12 In., Crosswalk | Ft | 104 |
| Pavt Mrkg, Thermopl, 24 In., Stop Bar | Ft | 14 |



NOTES:

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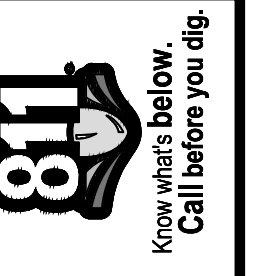
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

**2" MILL & FILL (CURB REVEAL)
CONSTRUCTION SCOPE AND SEQUENCING**

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM CURB REVEAL ON OVERLAID CURB SECTIONS PRIOR TO ANY OTHER WORK TO ALLOW THE ENGINEER TO VERIFY THE CONDITION OF THE EXISTING CURB AND ADD ANY CURB REMOVAL AND REPLACEMENT AS NEEDED.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED. PLACE FLOW FILL ALONG FORM WORK GAP AT PEDESTRIAN RAMPS.
- REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH - 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS DIRECTED BY THE ENGINEER. PERFORM ANY FULL DEPTH PLUNGE CUTS WHERE REMAINING LEFT OVER HMA BASE HAS FAILED
- PRIOR TO PLACING WEARING COURSE, PATCH FULL DEPTH PLUNGE CUT AREAS UP TO LEVELING/ PATCH BACK AREA AS BASE COURSE WITH HOT MIX ASPHALT (HMA) AND ACHIVE DENSITY USING 4EL HMA MIXTURE. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING 4EL HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.



| NO. | DATE | DESCRIPTION | REV. |
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| 02 | 02/04/25 | ADDENDUM 2 | |
| 01 | 01/22/25 | BILL SET | |
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CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-6647
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
ABBOT ST - COVER SHEET

SCALE
DRAWING No.
2025-004-23

SHEET No.
23 OF 47



CITY OF ANN ARBOR ENGINEERING COLLINGWOOD DR

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

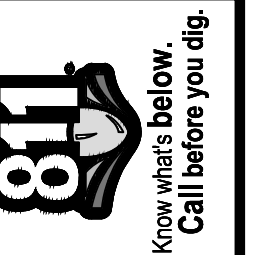
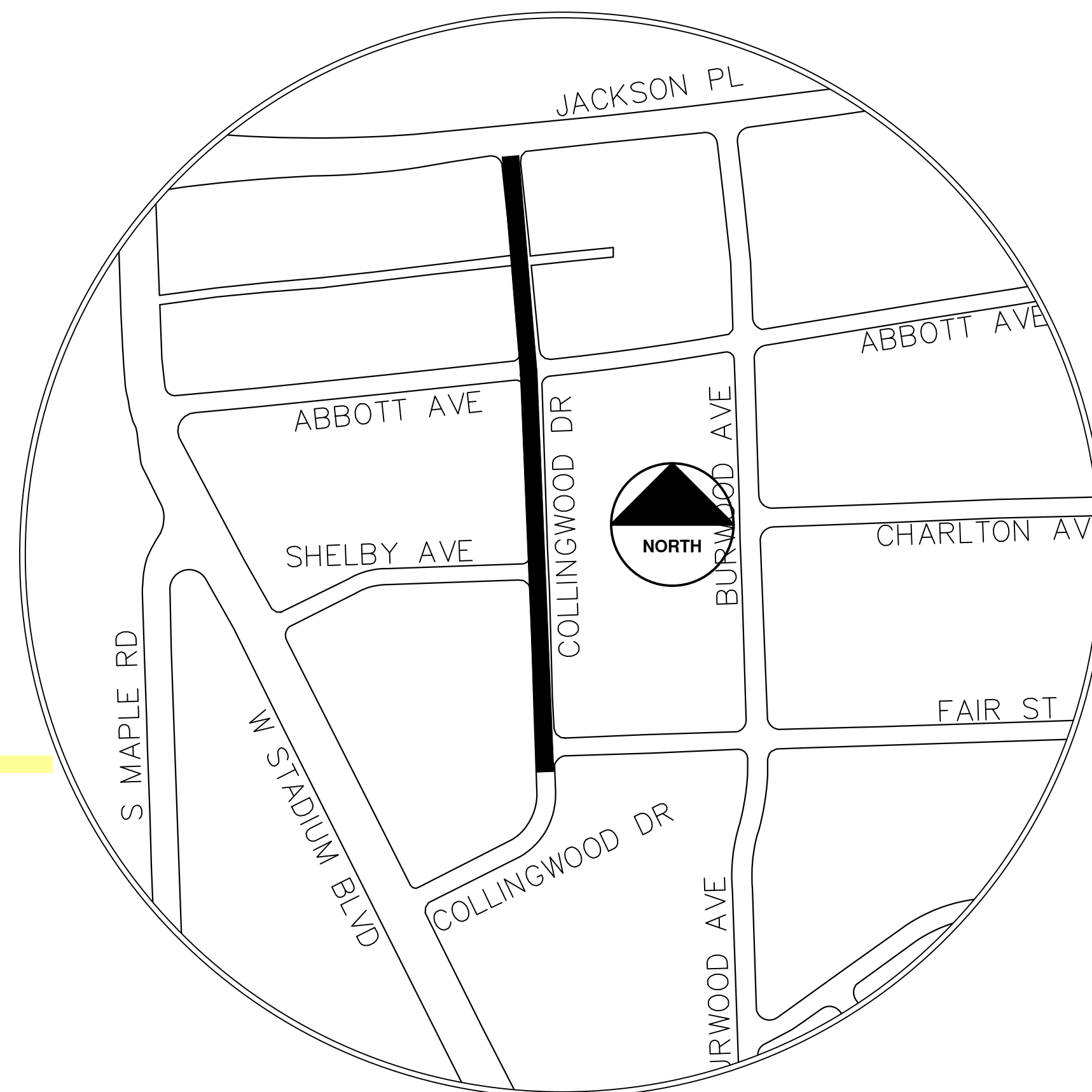
CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

COLLINGWOOD FROM ABBOT NORTH TO JACKSON, FAIR SOUTH TO LIMITS AND SIDE OF ROAD ABBOT TO FAIR WILL ALL BE FULL DEPTH REHAB

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
6. TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE FULL DEPTH AREA OF THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
7. REMOVE ALL OF THE EXISTING HMA SURFACE WERE DIRECTED OR MARKED OUT IN THE FIELD BY THE ENGINEER (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
8. ALONG THE EAST SIDE OF THE ROAD CENTERLINE TO EDGE OF METAL, BETWEEN ABBOT TO FAIR REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH - 2 INCHES) BY COLD MILLING. PERFORM ANY FULL DEPTH PLUNGE CUTS WHERE REMAINING HMA BASE HAS FAILED.
9. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
10. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
11. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
12. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA MIXTURE.
13. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
14. CLEAN PAVEMENT AND PLACE TACK COAT AND PLACE 2.0 INCH HMA TOP COURSE, USING 4EL HMA MIXTURE, WITH APPROVAL FROM THE ENGINEER.
15. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
16. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
17. CLEAN PAVEMENT AND PLACE HMA WEDGING FOR DRIVEWAYS AS REQUIRED.
18. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
19. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
20. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
21. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 8 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 123 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 28 |
| Temporary "No Parking" Sign | Ea | 36 |
| Lighted Arrow, Type C, Furn & Oper | Ea | 1 |
| Sign, Portable, Changeable Message, Furn & Oper | Ea | 2 |
| Plastic Drum, High Intensity, Lighted, Furn & Oper | Ea | 10 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 80 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 6 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 10 |
| Cold-Milling HMA Surface | Syd | 2764 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 895 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 683 |
| DS_Grading Roadway | Syd | 1916 |
| Undercutting, Type III | Cyd | 56 |
| DS_Storm Structure Cover, Adjust | Ea | 3 |
| DS_Sanitary Structure Cover, Adjust | Ea | 4 |
| DS_Storm Curb Inlet Adjust | Ea | 6 |
| DS_Monument Box, Adjust | Ea | 1 |
| Water Gate Valve Box, Adjust | Ea | 4 |
| 12 In., PE Storm Sewer, SD-TD-2 | Ft | 40 |
| DS_Storm Single Inlet, 24 In. Dia., (0-8'deep) | Ea | 5 |
| Storm Sewer Pipe, 12 in. Dia., Rem | Ft | 35 |
| Storm Sewer Drop Structure, Rem | Ea | 5 |
| DS_Flowable Fill | Cyd | 6 |
| HMA, 4EL | Ton | 550 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 661 |
| Conc, Driveway Opening, Type M | Ft | 228 |
| Conc, Sidewalk, 4 in | Sft | 157 |
| Conc, Sidewalk or Ramp, 6 inch | Sft | 266 |
| Conc, Sidewalk, Drive Approach, or Ramp, 6 In. | Sft | 92 |
| Conc, Sidewalk, Drive Approach, or Ramp, 8 In. | Sft | 83 |
| Detectable Warning Surface | Ft | 45 |
| Pavt Mrkg, Thermopl, 12 In., Crosswalk | Ft | 304 |
| Pavt Mrkg, Thermopl, 24 In., Stop Bar | Ft | 51 |
| Turf Restoration | Syd | 230 |



| NO. | DATE | DESCRIPTION | BY | CHECKED |
|-----|----------|-------------|----------|---------|
| 02 | 02/04/25 | ADDENDUM 2 | CE/VO/DW | NB |
| 01 | 01/22/25 | BID SET | CE/VO/DW | NB |
| | | | | REV. |

CITY OF ANN ARBOR
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301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
734.794.4410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
COLLINGWOOD DR - COVER SHEET
DRAWING No. 2025-004-24

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CITY OF ANN ARBOR ENGINEERING CHARLTON ST

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

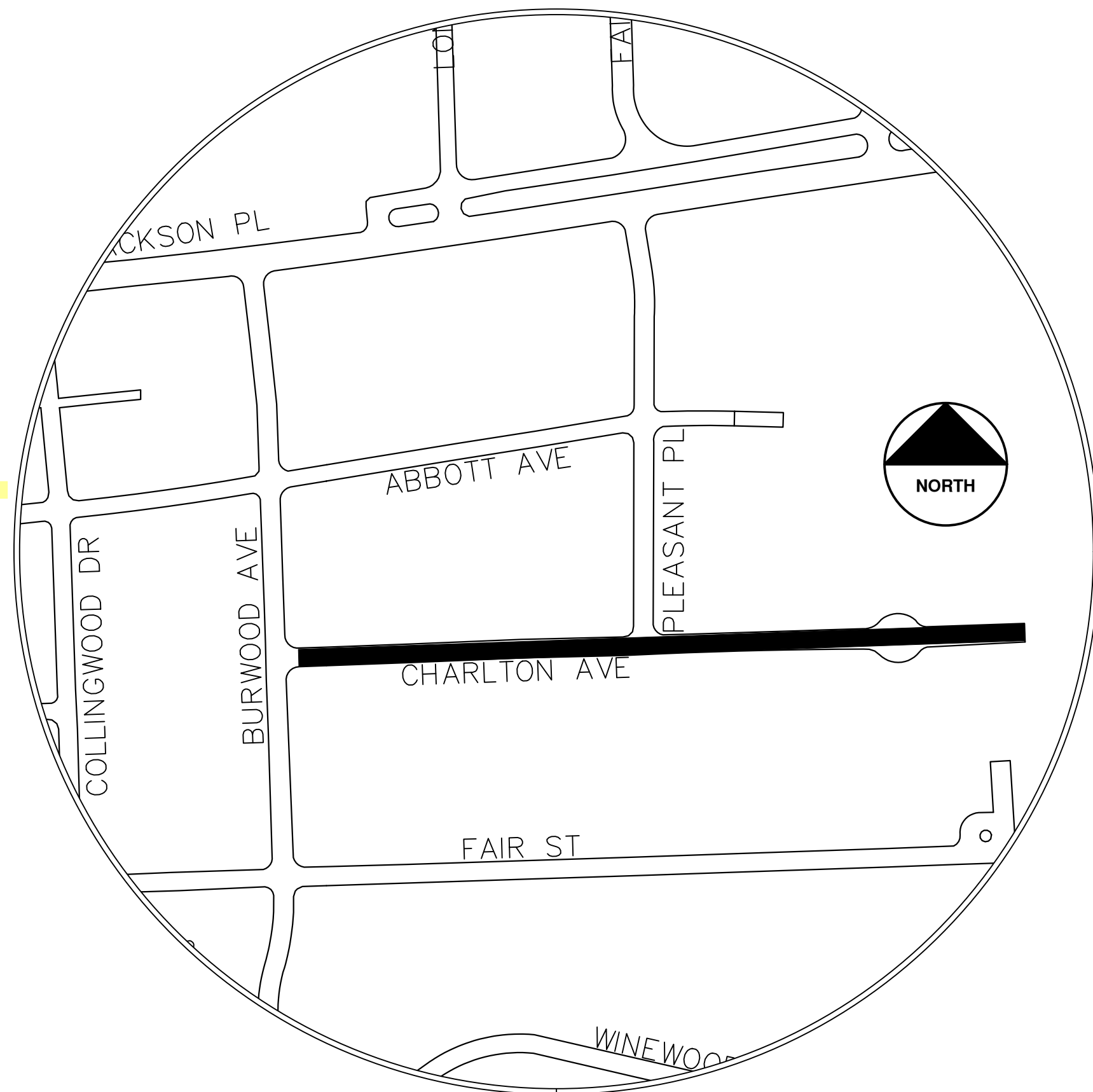
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

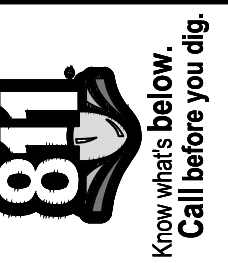
PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
6. TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
7. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
8. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
9. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
10. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
11. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA MIXTURE.
12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
13. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING 4EL HMA MIXTURE.
14. CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
15. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
16. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
19. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
20. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.



| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 6 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 2 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 4 |
| Cold-Milling HMA Surface | Syd | 3560 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 1051 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 150 |
| DS_Grading Roadway | Syd | 3156 |
| DS_Grading, Sidewalk, Ramp & Driveway Approach | Sft | 150 |
| Undercutting, Type III | Cyd | 64 |
| DS_Sanitary Structure Cover, Adjust | Ea | 3 |
| DS_Storm Structure Cover, Adjust | Ea | 4 |
| DS_Storm Curb Inlet Adjust | Ea | 8 |
| 12 In., CL IV RCP Storm Sewer, SD-TD-1 | Ft | 38 |
| 12 In., PE Storm Sewer, SD-TD-2 | Ft | 50 |
| Storm Sewer Tap, 12 In. Dia | Ea | 2 |
| DS_Storm Single Inlet, 24 In. ,Dia., (0-8'deep) | Ea | 8 |
| Storm Sewer Pipe, 12 in. Dia., Rem | Ft | 44 |
| Storm Sewer Drop Structure, Rem | Ea | 6 |
| DS_Storm Structure Cover, Type Z | Ea | 1 |
| DS_Water Structure Cover, Adjust | Ea | 1 |
| DS_Flowable Fill | Cyd | 1 |
| HMA, 4EL | Ton | 830 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 729 |
| Conc, Driveway Opening, Type M | Ft | 322 |
| Conc, Sidewalk, 4 in | Sft | 50 |
| Conc, Sidewalk or Ramp, 6 inch | Sft | 36 |
| Conc, Sidewalk, Drive Approach, or Ramp, 6 In. | Sft | 64 |
| Detectable Warning Surface | Ft | 5 |
| Pavt Mrkg, Thermopl, 24 In., Stop Bar | Ft | 15 |
| Turf Restoration | Syd | 250 |

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CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48107-0647
www.a2gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SCALE
DRAWING No. 2025-004-25
ANNUAL RESURFACING PROGRAM - 2025
CHARLTON ST - COVER SHEET
SHEET No. 25 OF 47

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CITY OF ANN ARBOR

ENGINEERING

FAIR ST

RFP No. 25-02, FILE No. 2025-004

NOTES:

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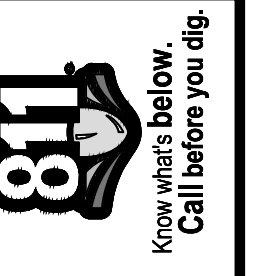
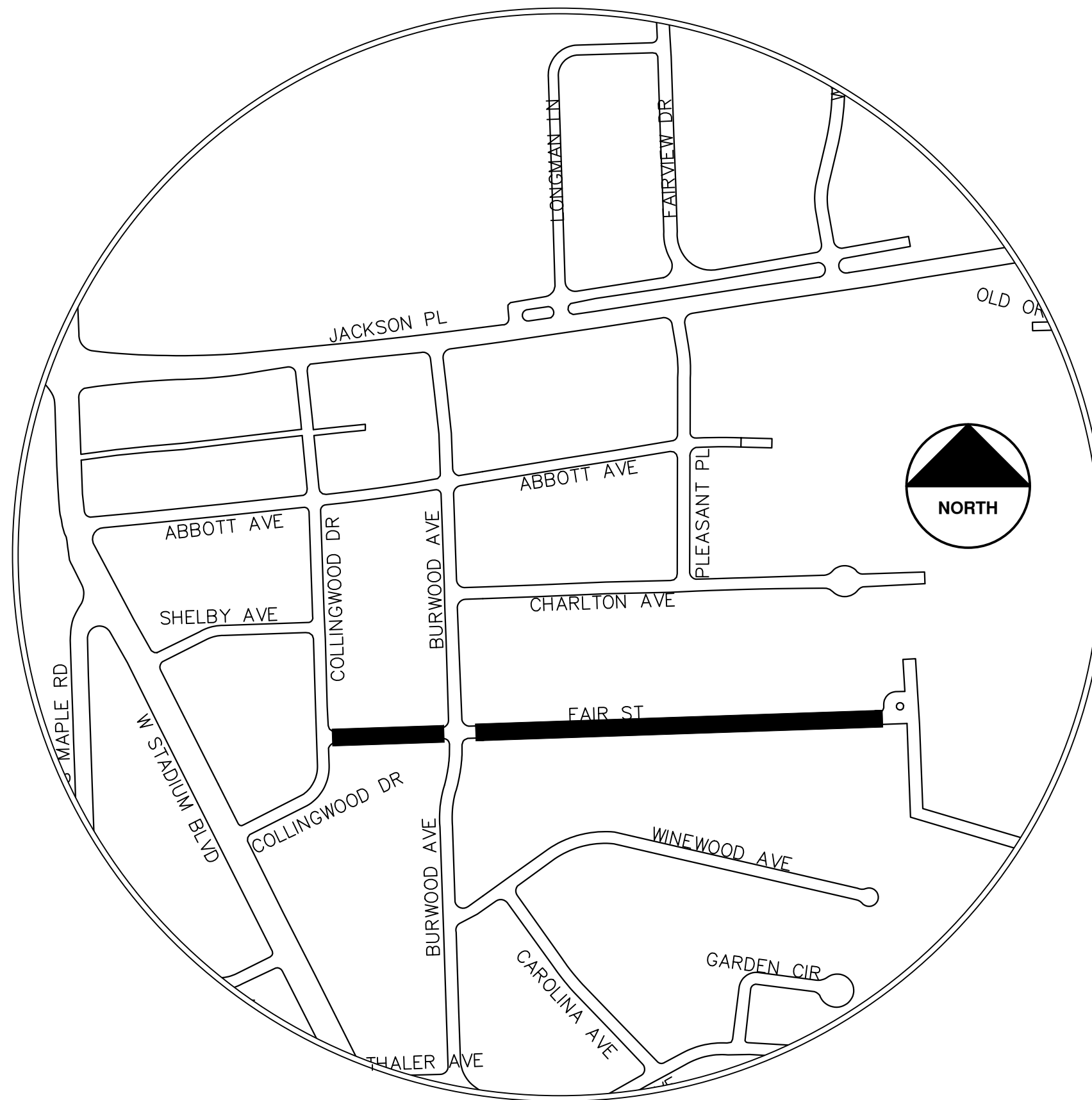
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CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

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2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
6. TEMPORARILY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
7. REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH -- APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
8. PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
9. PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
10. GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
11. UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA MIXTURE.
12. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
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20. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 8 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 67 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 16 |
| Temporary "No Parking" Sign | Ea | 42 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 80 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 4 |
| Cold-Milling HMA Surface | Syd | 3348 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 1219 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 173 |
| DS_Grading Roadway | Syd | 3373 |
| Undercutting, Type III | Cyd | 70 |
| DS_Sanitary Structure Cover, Adjust | Ea | 6 |
| DS_Storm Structure Cover, Adjust | Ea | 4 |
| DS_Storm Curb Inlet Adjust | Ea | 6 |
| 12 In., PE Storm Sewer, SD-TD-2 | Ft | 48 |
| DS_Storm Single Inlet, 24 In. Dia., (0-8'deep) | Ea | 6 |
| Storm Sewer Pipe, 12 in. Dia., Rem | Ft | 42 |
| Storm Sewer Drop Structure, Rem | Ea | 6 |
| Water Gate Valve Box, Adjust | Ea | 1 |
| Curb Box, Adjust | Ea | 1 |
| HMA, 4EL | Ton | 780 |
| DS_HMA, Soil Erosion, Wedge | Ft | 218 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 503 |
| Conc, Driveway Opening, Type M | Ft | 716 |
| Conc, Sidewalk, Drive Approach, or Ramp, 6 In. | Sft | 173 |
| Pavt Mrkg, Thermopl, 12 In., Crosswalk | Ft | 80 |
| Pavt Mrkg, Thermopl, 24 In., Stop Bar | Ft | 13 |
| Turf Restoration | Syd | 110 |



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CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-6647
734.794.6410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
FAIR ST - COVER SHEET
DRAWING No. 2025-004-26



CITY OF ANN ARBOR ENGINEERING GARDEN CIR

RFP No. 25-02, FILE No. 2025-004

NOTES:

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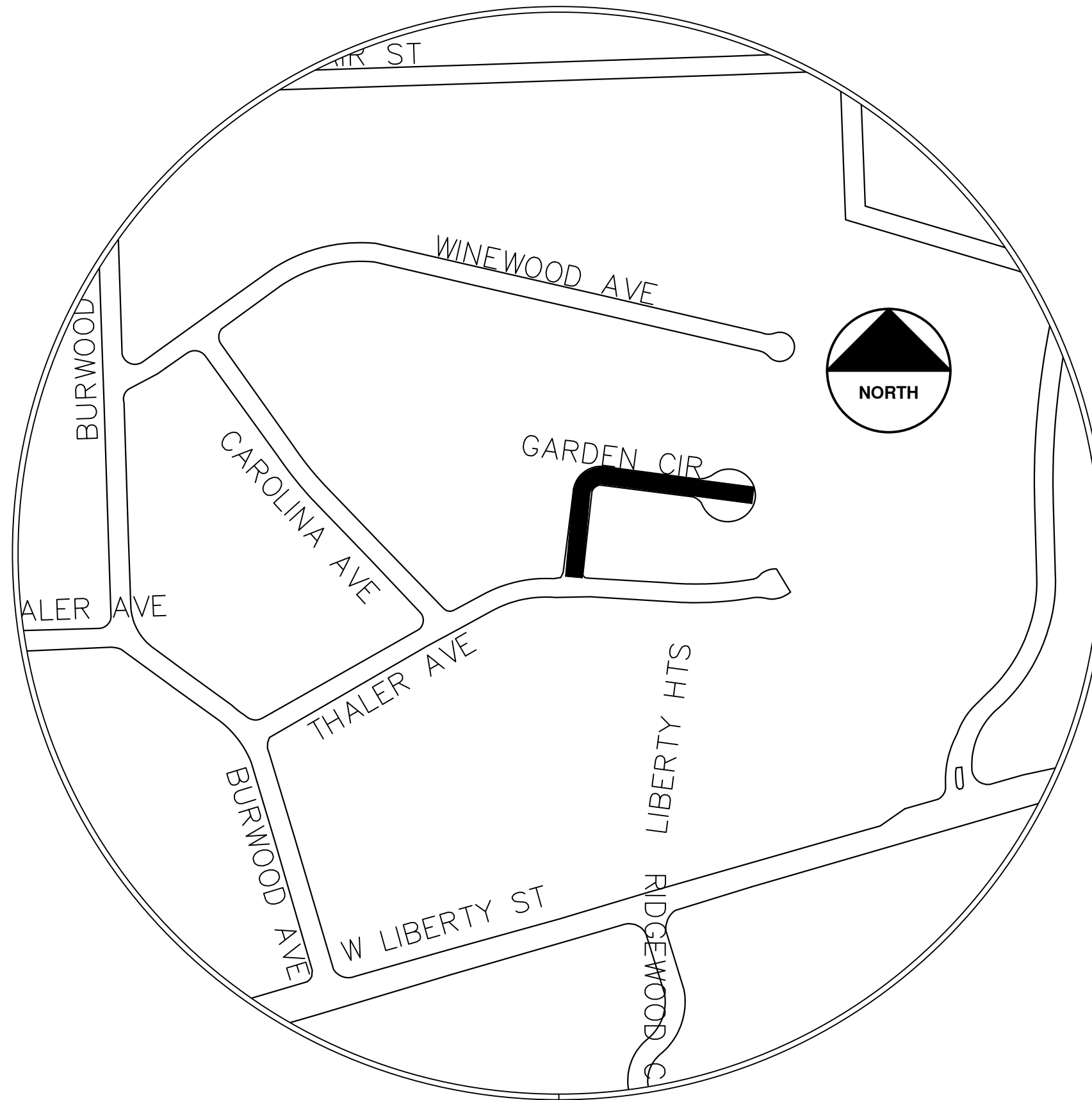
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CONSTRUCTION SCOPE AND SEQUENCING (2" MILL & FILL)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
4. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.. PLACE FLOW FILL ALONG FORM WORK GAP AT PEDESTRIAN RAMPS.
5. REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH - 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS DIRECTED BY THE ENGINEER. PERFORM ANY FULL DEPTH PLUNGE CUTS WHERE REMAINING LEFT OVER HMA BASE HAS FAILED
6. PRIOR TO PLACING WEARING COURSE, PATCH FULL DEPTH PLUNGE CUT AREAS UP TO LEVELING/ PATCH BACK AREA AS BASE COURSE WITH HOT MIX ASPHALT (HMA) AND ACHIVE DENSITY USING 4EL HMA MIXTURE. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING 4EL HMA MIXTURE.
7. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
8. CLEAN PAVEMENT AND PLACE HMA APPROACHES AS REQUIRED.
9. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
10. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
11. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
12. OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 3 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 19 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 4 |
| Temporary "No Parking" Sign | Ea | 40 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 40 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 1 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 3 |
| Cold-Milling HMA Surface | Syd | 1365 |
| DS_Cold Milling, Plunge Cut | Syd | 250 |
| DS_HMA Surface, Around Structure Cover, Rem | Ea | 4 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 386 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 82 |
| DS_Storm Structure Cover, Type K | Ea | 1 |
| DS_Storm Structure, Reconstruct | Ft | 1 |
| HMA, 4EL | Ton | 160 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 170 |
| Conc, Driveway Opening, Type M | Ft | 216 |
| Conc, Sidewalk, 4 in | Sft | 47 |
| Conc, Sidewalk or Ramp, 6 inch | Sft | 47 |
| Pavt Mrkg, Thermopl, 12 In., Crosswalk | Ft | 70 |
| Turf Restoration | Syd | 100 |



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CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
734.794.4410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
GARDEN CIR - COVER SHEET

SCALE
DRAWING No.
2025-004-27

SHEET No.
27 OF 47



CITY OF ANN ARBOR ENGINEERING PLEASANT PL

RFP No. 25-02, FILE No. 2025-004

NOTES:

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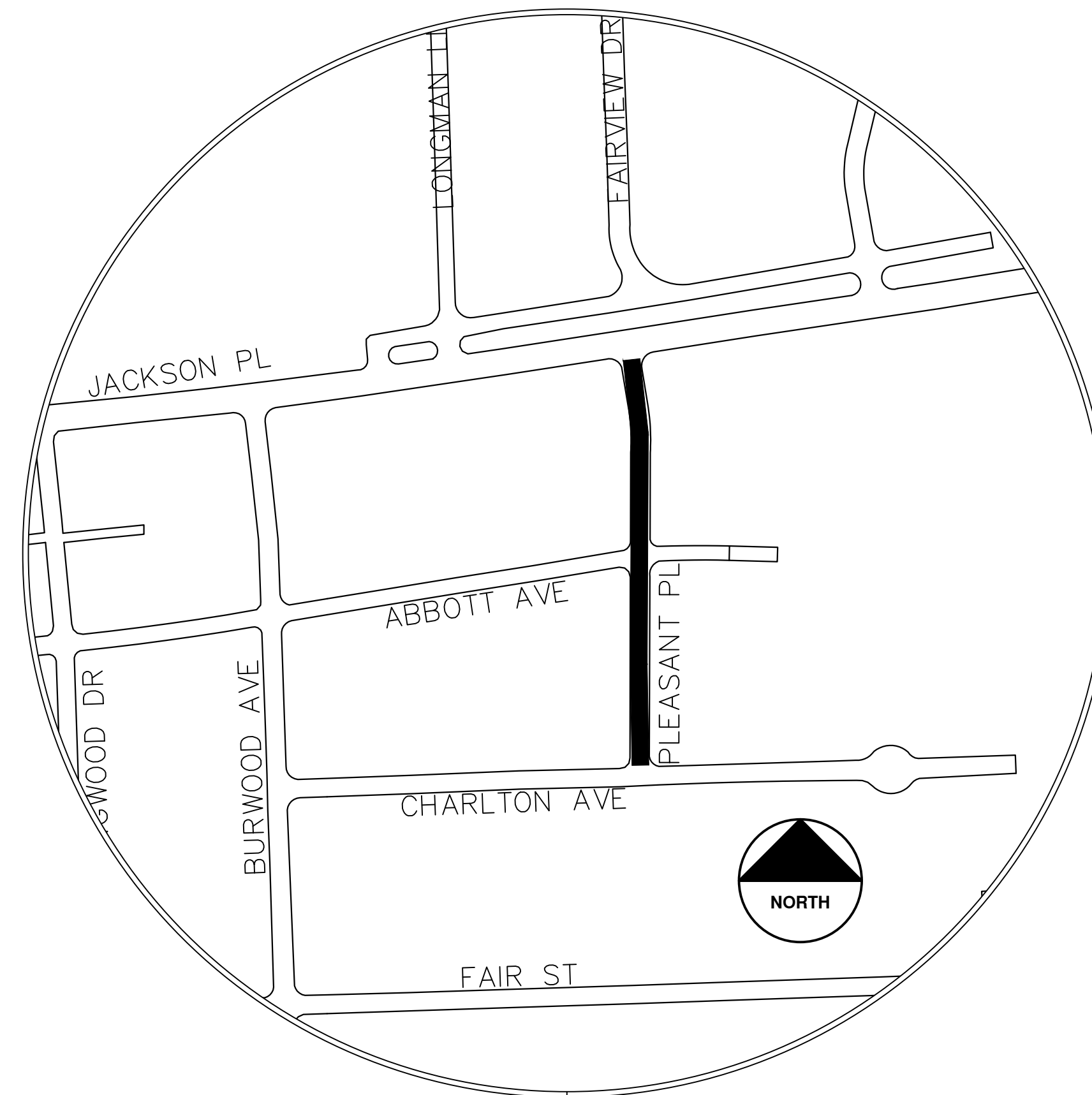
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**CONSTRUCTION SCOPE AND SEQUENCING
(2" MILL & FILL CURB REVEAL)**

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

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- PERFORM CURB REVEAL ON OVERLAID CURB SECTIONS PRIOR TO ANY OTHER WORK TO ALLOW THE ENGINEER TO VERIFY THE CONDITION OF THE EXISTING CURB AND ADD ANY CURB REMOVAL AND REPLACEMENT AS NEEDED.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED. PLACE FLOW FILL ALONG FORM WORK GAP AT PEDESTRIAN RAMPS.
- REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH - 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS DIRECTED BY THE ENGINEER. PERFORM ANY FULL DEPTH PLUNGE CUTS WHERE REMAINING LEFT OVER HMA BASE HAS FAILED.
- PRIOR TO PLACING WEARING COURSE, PATCH FULL DEPTH PLUNGE CUT AREAS UP TO LEVELING/ PATCH BACK AREA AS BASE COURSE WITH HOT MIX ASPHALT (HMA) AND ACHIEVE DENSITY USING 4EL HMA MIXTURE. CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING 4EL HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SECO MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 6 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 75 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 12 |
| Temporary "No Parking" Sign | Ea | 24 |
| Lighted Arrow, Type C, Furn & Oper | Ea | 1 |
| Plastic Drum, High Intensity, Lighted, Furn & Oper | Ea | 10 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 40 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 3 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 6 |
| Temporary Pedestrian Mat, Furn & Oper | Ft | 90 |
| HMA Patch, Rem | Syd | 9 |
| Cold-Milling HMA Surface | Syd | 1760 |
| DS_HMA Surface, Around Structure Cover, Rem | Ea | 3 |
| DS_Cold Milling for Concrete Curb and Gutter Reveal | Syd | 205 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 127 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 174 |
| DS_Flowable Fill | Cyd | 3 |
| HMA, 4EL | Ton | 230 |
| DS_HMA, Driveway Wedging | Ton | 3 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 120 |
| Conc, Driveway Opening, Type M | Ft | 7 |
| Conc, Sidewalk or Ramp, 6 inch | Sft | 174 |
| Detectable Warning Surface | Ft | 20 |
| Pavt Mrkg, Thermopl, 12 In., Crosswalk | Ft | 250 |
| Pavt Mrkg, Thermopl, 24 In., Stop Bar | Ft | 15 |
| Turf Restoration | Syd | 33 |



| | | | | | | | |
|----|------------|----------|----------|----------|----------|-------|---------|
| 02 | ADDENDUM 2 | 02/04/25 | 01/22/25 | RE/10/DW | RE/10/DW | DRAWN | CHECKED |
| 01 | BID SET | | | | | | REV. |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48107-8647
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
PLEASANT PL - COVER SHEET
DRAWING No. 2025-004-28



CITY OF ANN ARBOR ENGINEERING SHELBY AVE

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

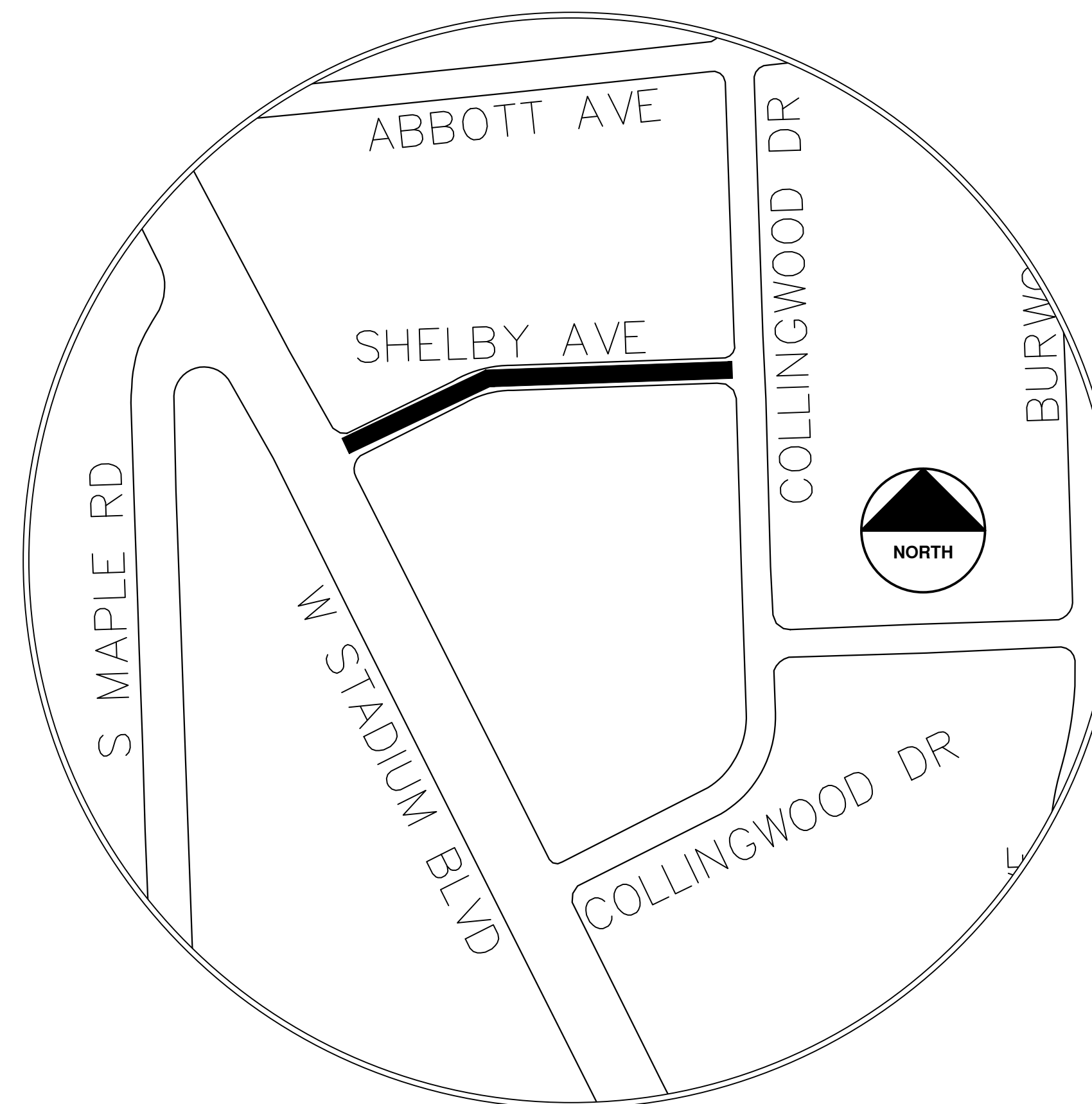
THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.


CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.


- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH -- APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING 4EL HMA MIXTURE.
- CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 3 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 46 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 8 |
| Temporary "No Parking" Sign | Ea | 12 |
| Lighted Arrow, Type C, Furn & Oper | Ea | 1 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 65 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 1 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 7 |
| Cold-Milling HMA Surface | Syd | 874 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 474 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 422 |
| DS_Grading Roadway | Syd | 874 |
| Undercutting, Type III | Cyd | 20 |
| DS_Sanitary Structure Cover, Adjust | Ea | 2 |
| DS_Storm Structure Cover, Adjust | Ea | 2 |
| DS_Storm Curb Inlet Adjust | Ea | 1 |
| DS_Flowable Fill | Cyd | 2 |
| HMA, 4EL | Ton | 210 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 264 |
| Conc, Driveway Opening, Type M | Ft | 210 |
| Conc, Sidewalk, 4 in | Sft | 60 |
| Conc, Sidewalk or Ramp, 6 inch | Sft | 184 |
| Detectable Warning Surface | Ft | 14 |
| Pavt Mrkg, Polyurea, 12 In., Crosswalk | Ft | 88 |
| Pavt Mrkg, Polyurea, 24 In., Stop Bar | Ft | 13 |
| Turf Restoration | Syd | 65 |





| NO. | DATE | BY | DESCRIPTION |
|-----|----------|----------|-------------|
| 02 | 02/04/25 | CE/VO/DW | ADDENDUM 2 |
| 01 | 01/22/25 | CE/VO/DW | BID SET |
| | | | REV. |



CITY OF ANN ARBOR
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301 EAST HURON STREET
ANN ARBOR MI 48107-8647
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

**ANNUAL RESURFACING PROGRAM - 2025
SHELBY AVE - COVER SHEET**

SHEET No.
29 OF 47

DRAWING No.
2025-004-29

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CITY OF ANN ARBOR ENGINEERING THALER AVE

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

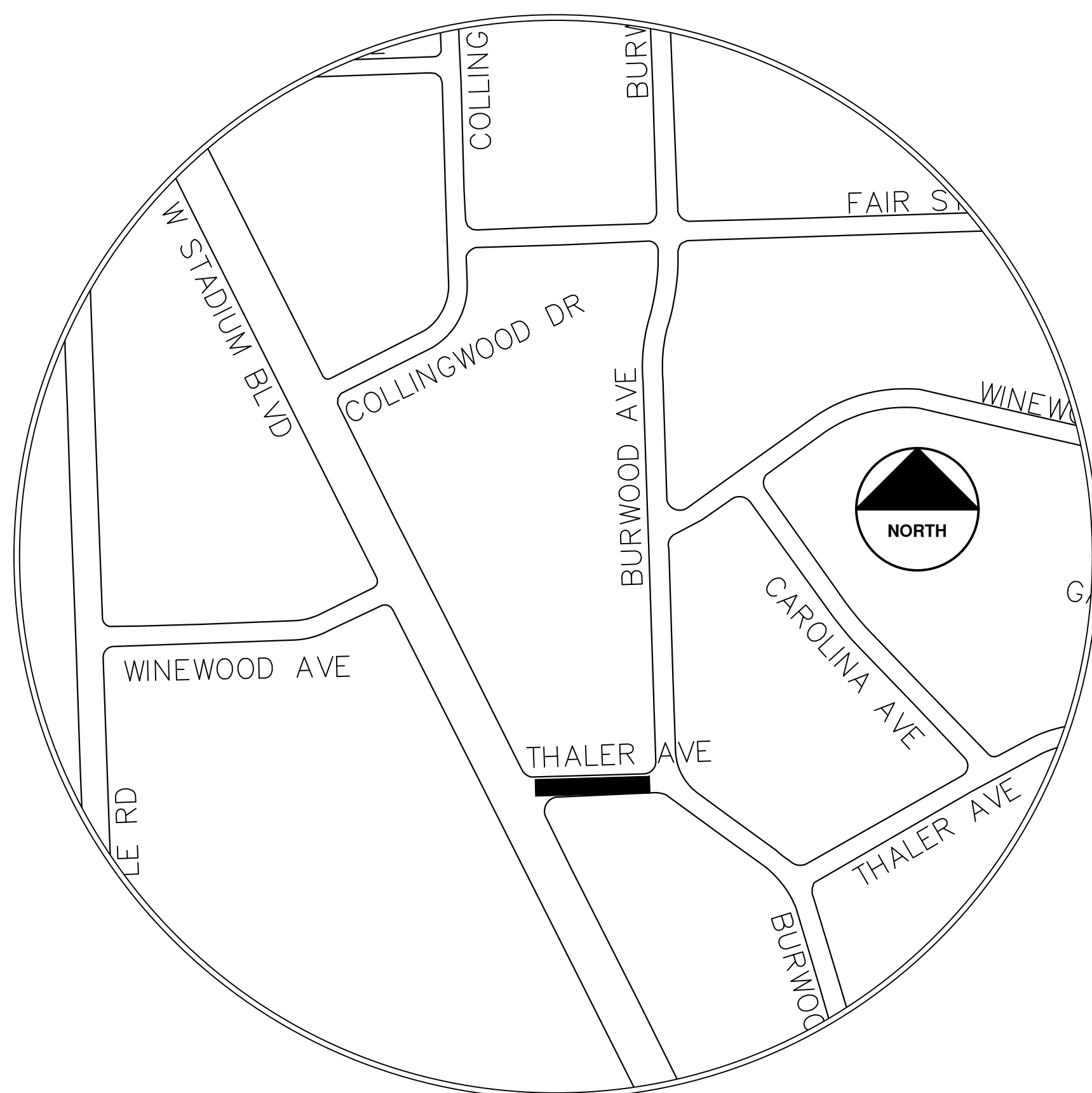
THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

CONSTRUCTION SCOPE AND SEQUENCING (2" MILL & FILL)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.. PLACE FLOW FILL ALONG FORM WORK GAP AT PEDESTRIAN RAMPS.
- REMOVE EXISTING HMA SURFACE (PARTIAL DEPTH - 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS DIRECTED BY THE ENGINEER. PERFORM ANY FULL DEPTH PLUNGE CUTS WHERE REMAINING LEFT OVER HMA BASE HAS FAILED
- PRIOR TO PLACING WEARING COURSE, PATCH FULL DEPTH PLUNGE CUT AREAS UP TO LEVELING/ PATCH BACK AREA AS BASE COURSE WITH HOT MIX ASPHALT (HMA) AND ACHIVE DENSITY USING 4EL HMA MIXTURE.CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) TOP COURSE USING 4EL HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

| Item Description | Unit | Estimate Qty |
|---|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 3 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 74 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 16 |
| Temporary "No Parking" Sign | Ea | 10 |
| Lighted Arrow, Type C, Furn & Oper | Ea | 1 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 20 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 2 |
| Temporary Pedestrian Mat, Furn & Oper | Ft | 170 |
| Cold-Milling HMA Surface | Syd | 585 |
| DS_Cold Milling, Plunge Cut | Syd | 58 |
| DS_HMA Surface, Around Structure Cover, Rem | Ea | 3 |
| HMA, 4EL | Ton | 70 |
| Pavt Mrkg, Polyurea, 12 In., Crosswalk | Ft | 144 |
| Pavt Mrkg, Polyurea, 24 In., Stop Bar | Ft | 16 |



| NO. | DATE | DESCRIPTION | REV. |
|-----|----------|-------------|------|
| 02 | 02/04/25 | ADDENDUM 2 | 01 |
| | 07/22/25 | DATE | |
| | | REVISION | |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48106-6647
www.a2gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
THALER AVE - COVER SHEET

SCALE
DRAWING No.
2025-004-30

SHEET No.
30 OF 47



CITY OF ANN ARBOR ENGINEERING WINEWOOD AVE

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

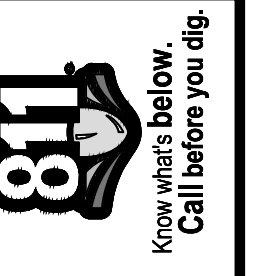
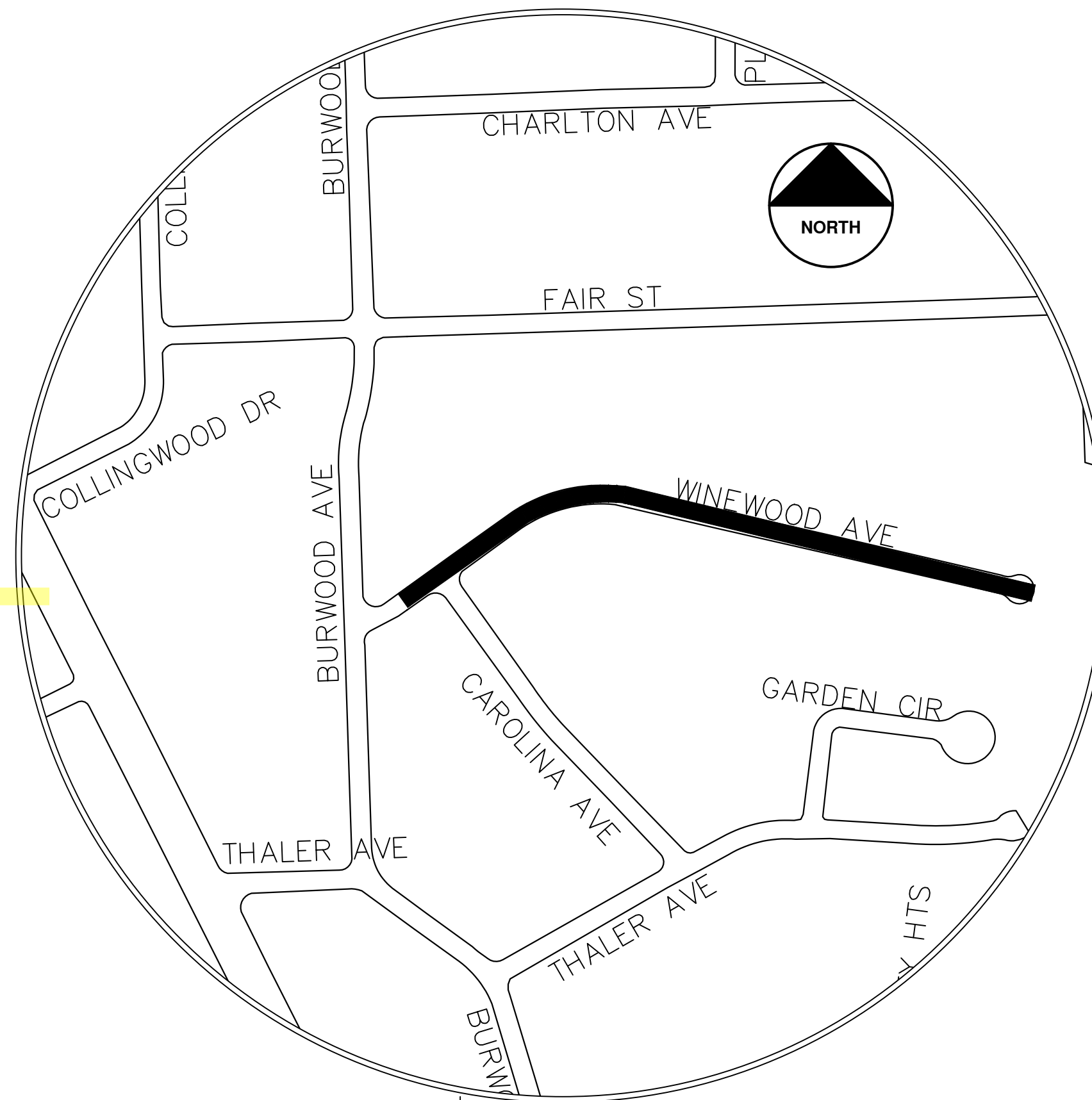
THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARILY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH -- APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING 4EL HMA MIXTURE.
- CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 9 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 47 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 12 |
| Temporary "No Parking" Sign | Ea | 40 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 60 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 2 |
| Cold-Milling HMA Surface | Syd | 2890 |
| DS_HMA Surface, Around Structure Cover, Rem | Ea | 1 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 361 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 180 |
| DS_Grading Roadway | Syd | 2890 |
| Undercutting, Type III | Cyd | 60 |
| DS_Storm Structure Cover, Adjust | Ea | 4 |
| DS_Sanitary Structure Cover, Adjust | Ea | 5 |
| DS_Storm Curb Inlet Adjust | Ea | 5 |
| Water Gate Valve Box, Adjust | Ea | 1 |
| 12 In., PE Storm Sewer, SD-TD-2 | Ft | 40 |
| DS_Storm Single Inlet, 24 In., Dia., (0-8' deep) | Ea | 5 |
| Storm Sewer Pipe, 12 in. Dia., Rem | Ft | 35 |
| Storm Sewer Drop Structure, Rem | Ea | 5 |
| DS_Storm Structure Cover, Type Z | Ea | 1 |
| HMA, 4EL | Ton | 670 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 279 |
| Conc, Driveway Opening, Type M | Ft | 82 |
| Conc, Sidewalk, Drive Approach, or Ramp, 6 In. | Sft | 180 |
| Pavt Mrkg, Thermopl, 12 In., Crosswalk | Ft | 107 |
| Pavt Mrkg, Thermopl, 24 In., Stop Bar | Ft | 15 |
| Turf Restoration | Syd | 80 |



| NO. | DATE | DESCRIPTION | BY | CHECKED |
|-----|----------|-------------|----------|---------|
| 02 | 02/04/25 | ADDENDUM 2 | CE/VO/DW | NB |
| 01 | 01/22/25 | BID SET | CE/VO/DW | NB |
| | | | | DRAWN |
| | | | | CHECKED |

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

ANNUAL RESURFACING PROGRAM - 2025
WINEWOOD AVE - COVER SHEET

SCALE

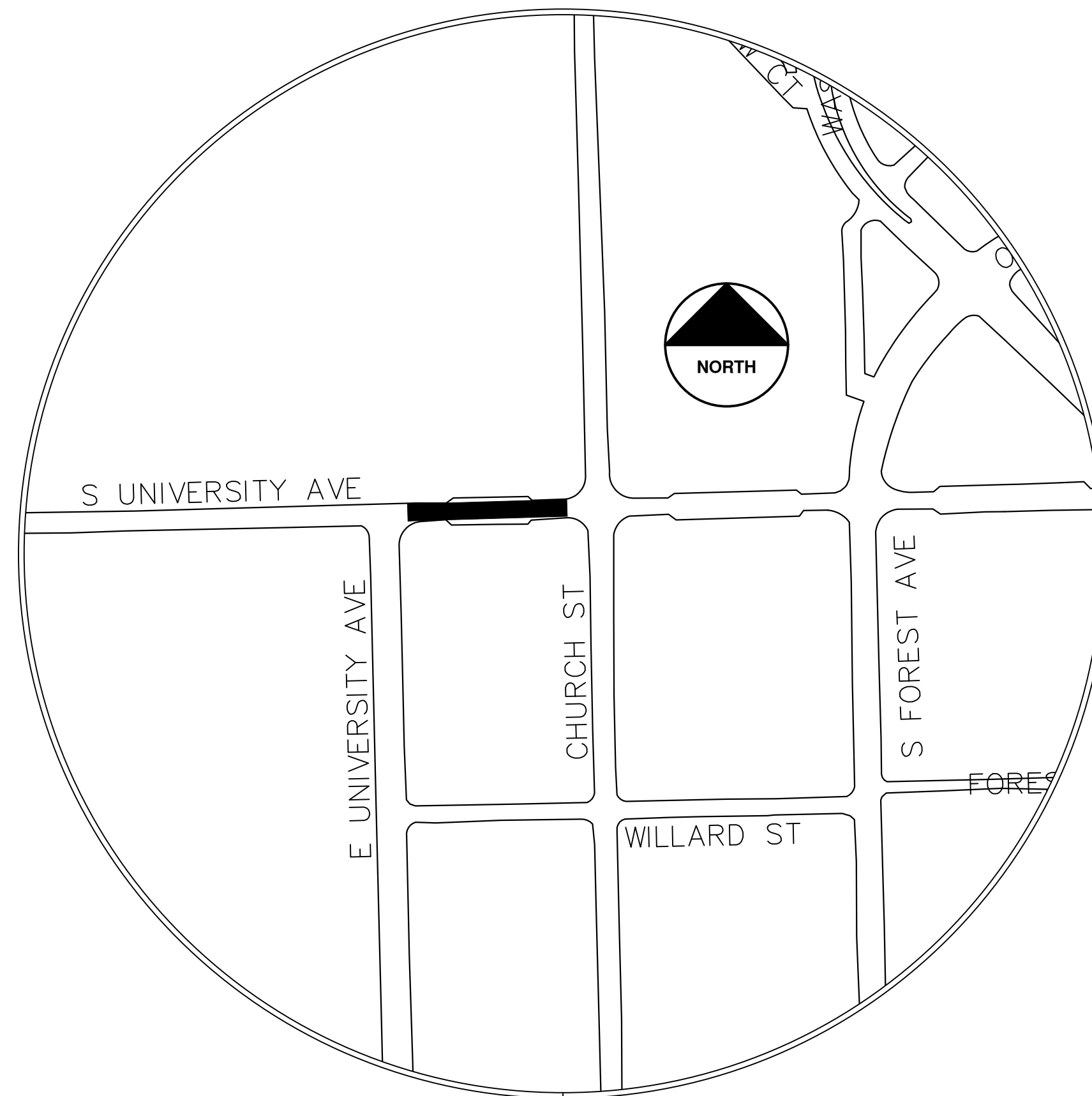
DRAWING No.
2025-004-31



CITY OF ANN ARBOR ENGINEERING S. UNIVERSITY

RFP No. 25-02, FILE No. 2025-004

| Item Description | Unit | Estimate Qty |
|---|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 4 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 171 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 20 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 30 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 5 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 4 |
| Cold-Milling HMA Surface | Syd | 676 |
| DS_HMA Surface, Around Structure Cover, Rem | Ea | 5 |
| DS_Storm Structure, Point | Ea | 2 |
| DS_Sanitary Structure, Point | Ea | 2 |
| HMA, 4EL | Ton | 80 |
| HMA, 5EML | Ton | 80 |
| Pavt Mrkg, Sprayable Thermopl, 4 In., Yellow | Ft | 416 |
| Pavt Mrkg, Thermopl, 12 In., Crosswalk | Ft | 72 |
| Pavt Mrkg, Thermopl, 24 In., Stop Bar | Ft | 24 |



NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

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THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- INSTALL PROPOSED DRAINAGE STRUCTURES, STORM SEWER, AND UNDERDRAIN AS REQUIRED.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE ALL OF THE EXISTING HMA SURFACE (FULL DEPTH - APPROXIMATELY 4 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE REMOVAL OF THE ROAD BASE MATERIAL TO A DEPTH DETERMINED BY THE ENGINEER.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
- PLACE AGGREGATE BASE MATERIAL AS REQUIRED AND DIRECTED BY THE ENGINEER.
- GRADE, SHAPE, AND COMPACT THE EXISTING/PLACED BASE MATERIAL AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HOT MIX ASPHALT (HMA) LEVELING COURSE USING 4EL HMA MIXTURE.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- CLEAN PAVEMENT, PLACE TACK COAT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH HMA TOP COURSE USING 5EML HMA MIXTURE.
- CLEAN PAVEMENT, PLACE TACK COAT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING FOR DRIVEWAYS AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.



| NO. | DATE | BY | DESCRIPTION |
|-----|----------|----------|-------------|
| 02 | 02/04/25 | RE/VO/DW | ADDENDUM 2 |
| 01 | 01/22/25 | RE/VO/DW | BILL SET |
| | | | REV. |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-6647
www.a2gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
S. UNIVERSITY - COVER SHEET

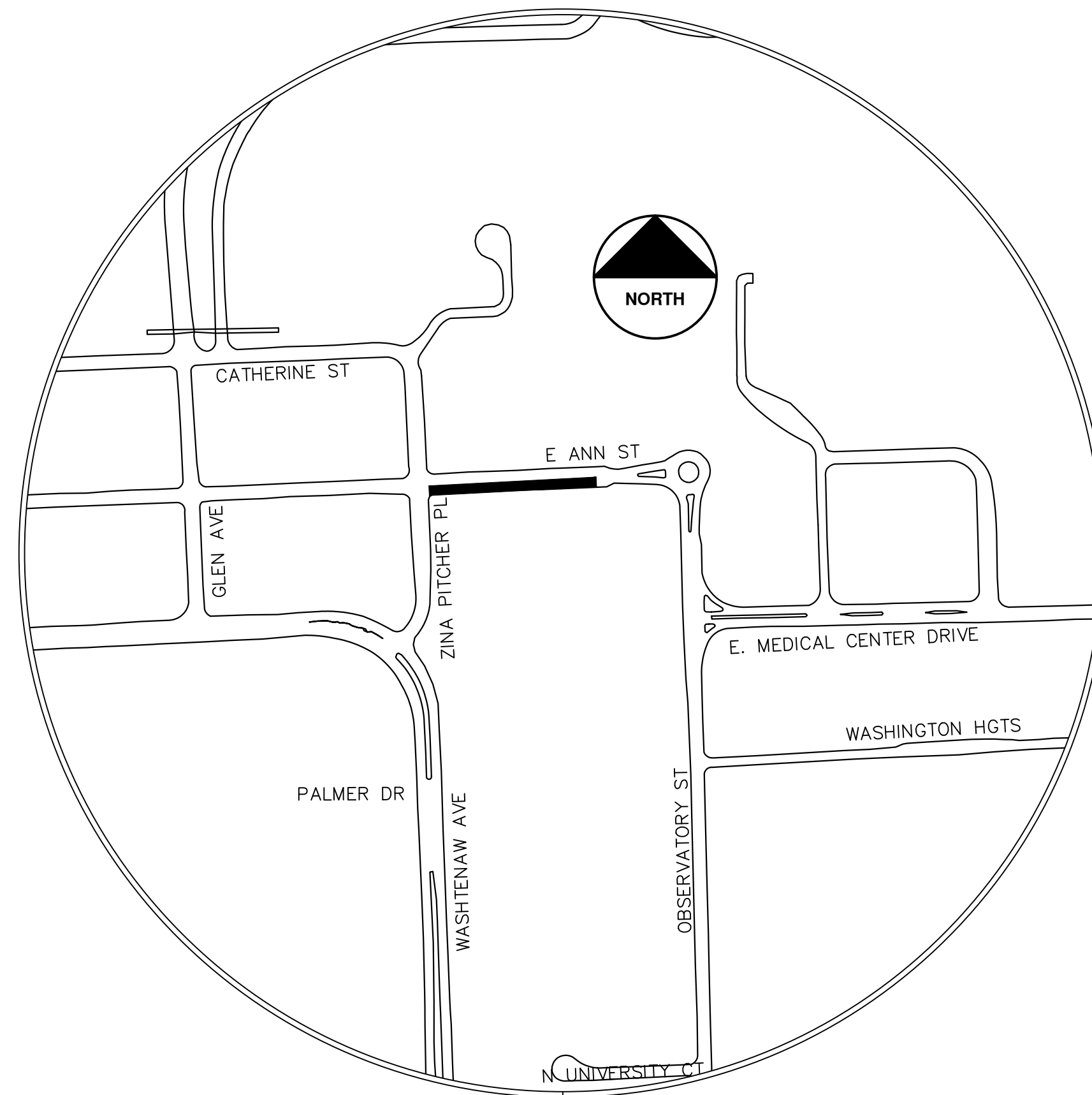
SCALE
DRAWING No.
2025-004-32



CITY OF ANN ARBOR ENGINEERING E. ANN ST (RAB)

RFP No. 25-02, FILE No. 2025-004

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 4 |
| HMA, Any Thickness, Rem | Syd | 1400 |
| DS_Concrete Pavt, Any Thickness, Rem, Pavt Repair | Syd | 170 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 405 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 158 |
| DS_Grading Roadway | Syd | 1400 |
| Undercutting, Type III | Cyd | 40 |
| DS_Sanitary Structure, Point | Ea | 1 |
| DS_Sanitary Structure Cover, Adjust | Ea | 2 |
| 12 In., PE Storm Sewer, SD-TD-2 | Ft | 10 |
| Storm Sewer Tap, 12 In. Dia | Ea | 1 |
| Storm Sewer Drop Structure, Rem | Ea | 1 |
| DS_Storm Structure, Point | Ea | 1 |
| Underdrain, Subgrade, 6 inch | Ft | 10 |
| DS_Flowable Fill | Cyd | 2 |
| HMA, 4EL | Ton | 330 |
| HMA, 5EML | Ton | 170 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 110 |
| Pavt Mrkg, Sprayable Thermopl, 4 In., White | Ft | 120 |
| Pavt Mrkg, Sprayable Thermopl, 4 In., Yellow | Ft | 200 |
| Pavt Mrkg, Thermopl, 24 In., Stop Bar | Ft | 10 |
| Pavt Mrkg, Thermopl, Lt Turn Arrow Sym | Ea | 1 |
| DS_Monument Box, Adjust | Ea | 1 |



NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

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CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
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| | | | | | |
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| | | | | | |
| | | 02/04/25 | 07/22/25 | DATE | |
| | | 02 | 01 | BID SET | REV. |
| | | ADDENDUM 2 | | DESCRIPTION | |
| | | | | BE /VO/DW | DRAWN |
| | | | | NE | CHECKED |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
734-794-4410
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
E. ANN ST (RAB) - COVER SHEET 1-A

SCALE
DRAWING No.
2025-004-33



CITY OF ANN ARBOR ENGINEERING E. ANN ST ROUNDABOUT

RFP No. 25-02, FILE No. 2025-004

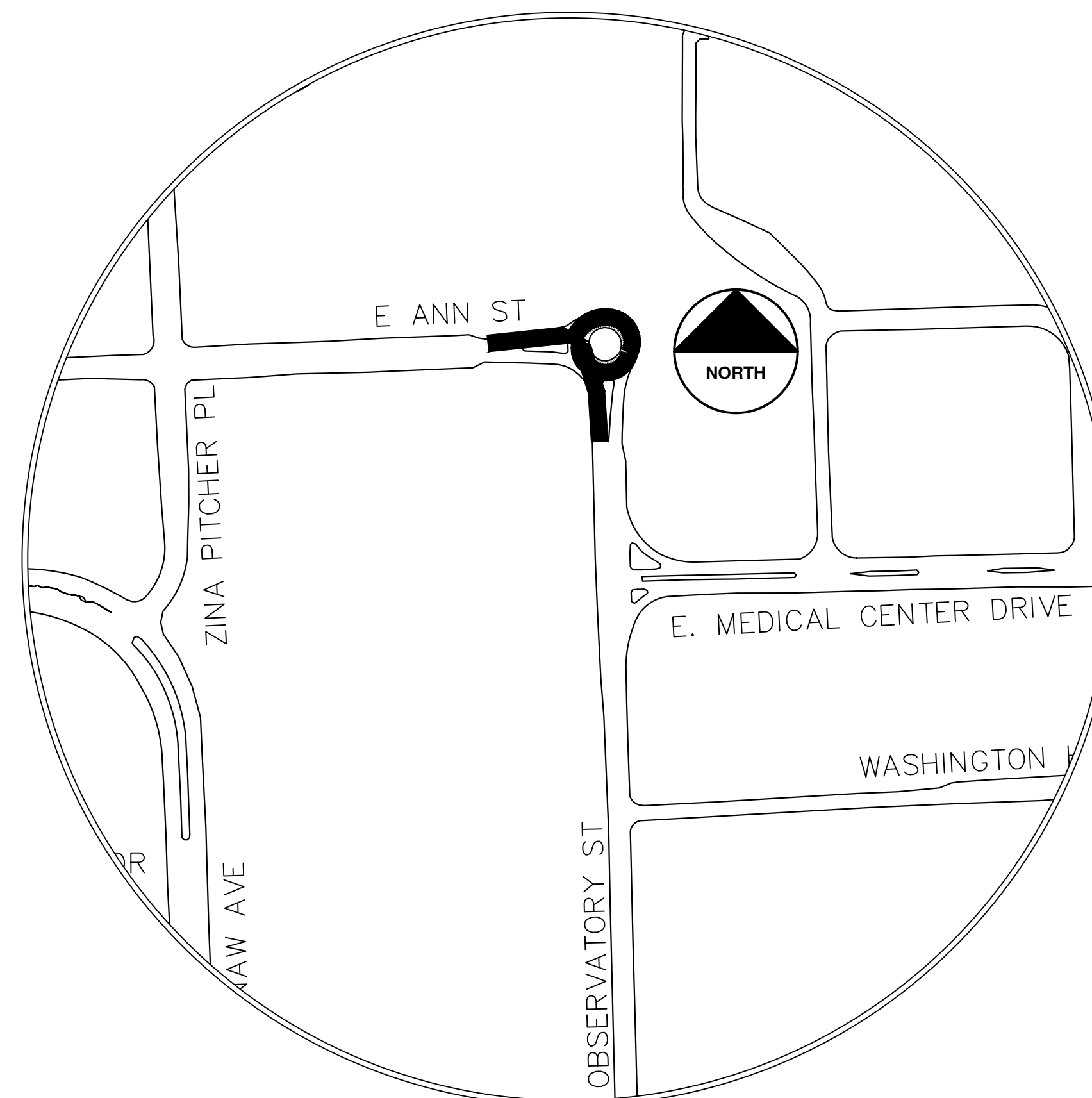
NOTES:

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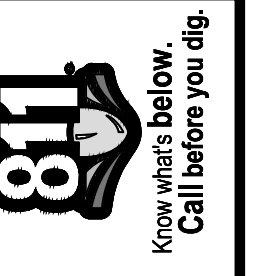
| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 8.0000 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 322.0000 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 217.0000 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 50.0000 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 4.0000 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 8.0000 |
| HMA, Any Thickness, Rem | Syd | 1,330.00 |
| DS_Concrete Pavt, Any Thickness, Rem, Pavt Repar | Syd | 190.0000 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 99.0000 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 144.0000 |
| DS_Grading Roadway | Syd | 1,330.00 |
| Undercutting, Type III | Cyd | 30.0000 |
| DS_Sanitary Structure, Point | Ea | 1.0000 |
| DS_Storm Structure Cover, Adjust | Ea | 1.0000 |
| DS_Storm Curb Inlet Adjust | Ea | 3.0000 |
| 12 In., CL IV RCP Storm Sewer, SD-TD-1 | Ft | 25.0000 |
| Storm Sewer Tap, 12 In. Dia | Ea | 1.0000 |
| Storm Single Inlet, 24 In. Dia., (0-8'deep) | Ea | 1.0000 |
| Storm Sewer Pipe, 12 in. Dia., Rem | Ft | 39.0000 |
| DS_Storm Structure, Point | Ea | 1.0000 |
| Underdrain, Subgrade, 6 inch | Ft | 10.0000 |
| Water Gate Valve Box, Adjust | Ea | 1.0000 |
| DS_Aggregate Base Course, 21AA, CIP | Ton | 140.0000 |
| DS_Flowable Fill | Cyd | 4.0000 |
| HMA, 4EL | Ton | 280.0000 |
| HMA, 5EML | Ton | 140.0000 |
| Conc Pavt, non-reinf, 6 inch | Syd | 190.0000 |
| Conc Pavt, non-reinf, 8 inch | Syd | 166.0000 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 201.0000 |
| Conc, Driveway Opening, Type M | Ft | 48.0000 |
| Conc, Sidewalk, 4 inch | Sft | 25.0000 |
| Conc, Sidewalk or Ramp, 6 inch | Sft | 345.0000 |
| Detectable Warning Surface | Ft | 50.0000 |
| Pavt Mrkg, Sprayable Thermopl, 4 In., Yellow | Ft | 278.0000 |
| Pavt Mrkg, Thermopl, 12 In., Crosswalk | Ft | 120.0000 |
| Pavt Mrkg, Thermopl, Lt Turn Arrow Sym | Ea | 1.0000 |
| Pavt Mrkg, Thermopl, Only | Ea | 1.0000 |
| DS_Pavt Mrkg, Thermopl, Yield Triangle | Ea | 20.0000 |



CONSTRUCTION SCOPE AND SEQUENCING (REHAB)

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS.

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| NO. | DESCRIPTION | DATE | DRAWN | CHECKED |
|-----|-------------|----------|----------|---------|
| 02 | ADDENDUM 2 | 02/04/25 | EE/VO/DW | NB |
| 01 | BID SET | 01/22/25 | EE/VO/DW | NB |
| | REV. | | | |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-0647
734.794.6410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
E. ANN ST ROUNDABOUT - COVER SHEET 1-B
DRAWING No. 2025-004-34

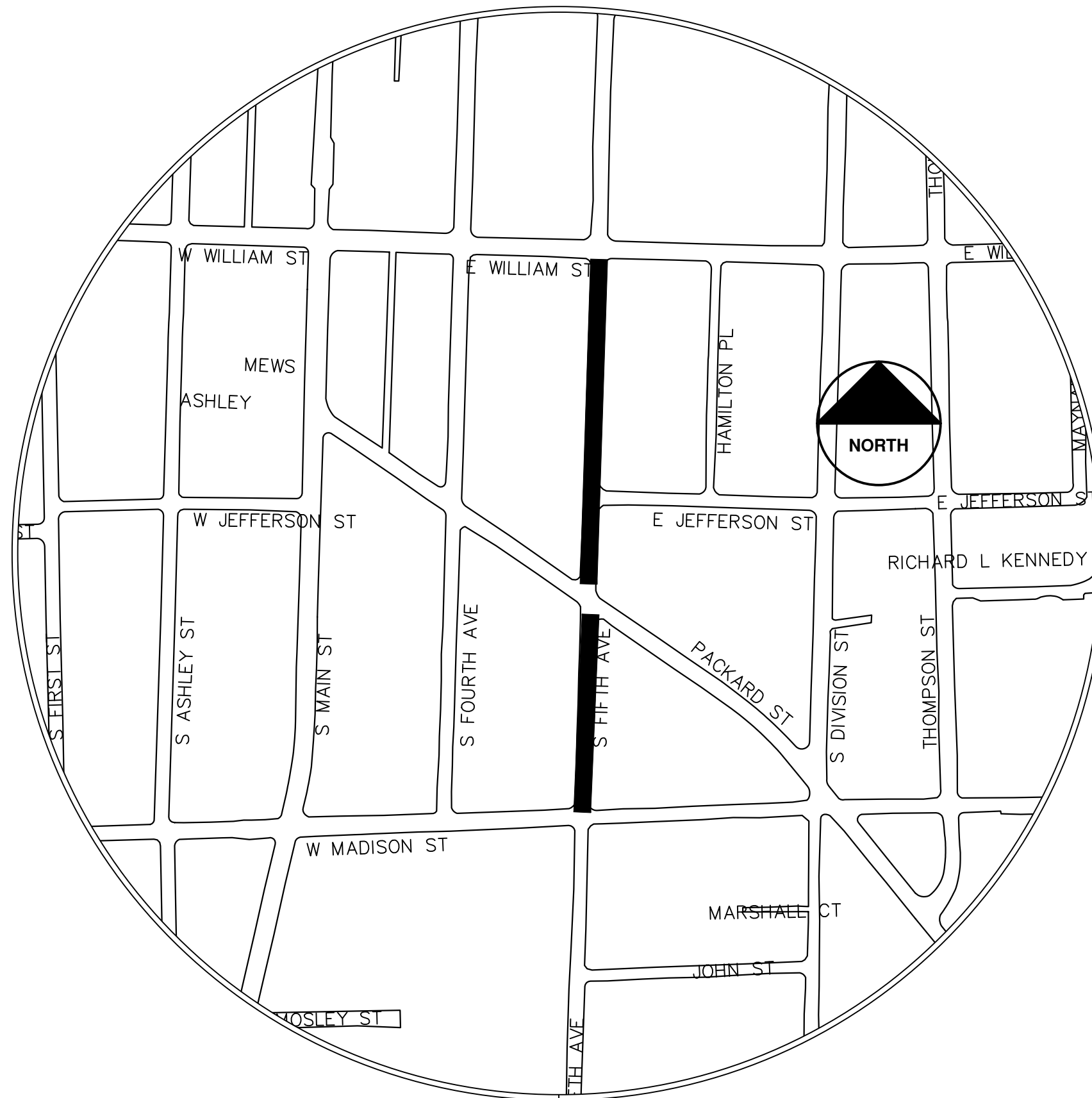
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CITY OF ANN ARBOR ENGINEERING S. FIFTH AVE

RFP No. 25-02, FILE No. 2025-004

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 9 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 402 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 64 |
| DS_ Sign, Type IIIB | Sft | 0 |
| DS_Perforated Steel Square Tube Breakaway System | Ea | 0 |
| Temporary "No Parking" Sign | Ea | 25 |
| Lighted Arrow, Type C, Furn & Oper | Ea | 1 |
| Sign, Portable, Changeable Message, Furn & Oper | Ea | 2 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 125 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 8 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 6 |
| HMA Surface, Rem | Syd | 2903 |
| HMA Patch, Rem | Syd | 60 |
| Cold-Milling HMA Surface | Syd | 1620 |
| DS_HMA Surface, Around Structure Cover, Rem | Ea | 5 |
| DS_Cold Milling for Concrete Curb and Gutter Reveal | Syd | 156 |
| DS_Concrete Pavt, Any Thickness, Rem, Pavt Repar | Syd | 510 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 890 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 425 |
| DS_Sanitary Structure, Reconstruct | Ft | 2 |
| DS_Sanitary Structure, Point | Ea | 2 |
| DS_Storm Structure, Reconstruct | Ft | 2 |
| DS_Storm Structure, Point | Ea | 2 |
| DS_Flowable Fill | Cyd | 1 |
| Hand Patching | Ton | 240 |
| HMA, 4EL | Ton | 240 |
| HMA, 5EML | Ton | 610 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 430 |
| Conc, Driveway Opening, Type M | Ft | 460 |
| Conc, Sidewalk or Ramp, 6 inch | Sft | 90 |
| Conc, Sidewalk, Drive Approach, or Ramp, 8 In. | Sft | 335 |
| DS_MDOT Detail 7&8 | Lft | 3050 |
| Detectable Warning Surface | Ft | 10 |
| Pavt Mrkg, Ovly Cold Plastic, Bike, Small Sym | Ea | 3 |
| Pavt Mrkg, Ovly Cold Plastic, Bike Thru Arrow Sym | Ea | 3 |
| Pavt Mrkg, Polymer Cement Surface, Bike, Large Sym | Ea | 2 |
| Pavt Mrkg, Polymer Cement Surface, Bike Lane Green | Sft | 730 |
| DS_Pavt Mrkg, Polymer Cement Surface, Tan | Sft | 714 |
| Pavt Mrkg, Polyurea, 12 In., Crosswalk | Ft | 600 |
| Pavt Mrkg, Polyurea, 24 In., Stop Bar | Ft | 100 |
| Pavt Mrkg, Sprayable Thermopl, 4 In., White | Ft | 3085 |
| Pavt Mrkg, Sprayable Thermopl, 4 In., Yellow | Ft | 2394 |
| Pavt Mrkg, Thermopl, 4 In., For On?Street Parking, White | Ft | 36 |
| Pavt Mrkg, Thermopl, Lt Turn Arrow Sym | Ea | 1 |
| DS_Bikeway Delineator Post Black | Ea | 24 |
| DS_Bikeway Delineator Post Yellow | Ea | 11 |
| Turf Restoration | Syd | 220 |



NOTES:

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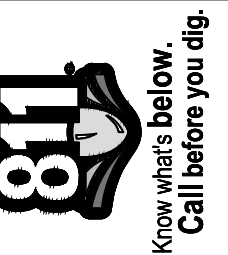
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PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS. THIS WORK SHALL NEED TO BE COORDINATED IN CONJUNCTION WITH THE WATER MAIN REPLACEMENT PROJECT AT THE SOUTH END OF FIFTH FROM E. JEFFERSON TO PACKARD. RESURFACING CONTRACTOR WILL IMPLEMENT ALL TRAFFIC DEVICES FOR THE WATERMAIN PROJECT AND MAINTAIN THEM UNTIL THE END OF THE RESURFACING PROJECTS WORK AT THIS SITE.

- UPON NOTIFICATION FOR THE START OF THE WATERMAIN WORK, CONTRACTOR WILL INSTALL NO PARKING SIGNS (AS REQUIRED), ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- UPON NOTIFICATION OF WATERMAIN WORK COMPLETION THE CONTRACTOR WILL IMMEDIATELY START THE RESURFACING WORK AS DIRECTED BY THE ENGINEER.
- FROM PACKARD TO MADISON TEMPORARY LOWER ALL STRUCTURE COVERS LOCATED WITHIN THE EXISTING PAVEMENT, INCLUDING GATE AND MONUMENT BOXES AS REQUIRED. COORDINATE THE LOWERING OF PRIVATE UTILITY STRUCTURE COVERS AND BOXES WITH APPLICABLE UTILITY OWNER.
- REMOVE THE EXISTING HMA SURFACE WILLIAM TO PACKARD 2 INCH THICKNESS, PACKARD TO MADISON TO A MAXIMUM DEPTH OF 4 INCHES BY COLD MILLING. NO MILLING THROUGH THE INTERSECTION OF PACKARD.
- REVIEW THE EXPOSED CONCRETE BASE FROM WILLIAMS TO MADISON AND SAWCUT FAILED BASE SECTIONS, FULL DEPTH BACK TO NEAREST JOINT OR AS DIRECTED BY THE ENGINEER.
- SAWCUT CURB AND GUTTER SECTIONS IDENTIFIED FOR REPLACEMENT BY THE ENGINEER.
- USING A RUBBER Tired EXCAVATOR WITH A FROST HOOK REMOVE DETERIORATED CONCRETE ALONG JOINT. AFTER SCALING ALL THE DETERIORATED JOINTS CLEAN THOROUGHLY WITH VACTOR TRUCK AND 50 CFS COMPRESSED AIR. APPLY TACK COAT ALONG JOINTS AND HAND PATCH JOINTS IN LIFTS PROVIDING COMPACTION EFFORT.
- REMOVED FAILED BASE PANELS, SEQUENCED SUCH THAT ACCESS AS MAINTAIN LOCAL RESIDENTS, HAND PATCH WITH HMA, LIFTS NOT EXCEEDING 2 INCHES, ACHIEVING DENSITY ON EACH LIFT.
- GRADE, SHAPE AND COMPACT AGGREGATE BASE OVER NEW WATERMAIN SUCH THAT THERE IS SUFFICIENT DEPTH FOR 6 INCHES OF HMA TO FINISHED ELEVATION.
- REMOVAL AND REPLACE CURB AND GUTTER, RAMPS AND OTHER CONCRETE ITEMS.
- PLACE 2.0 INCH HOT MIX ASPHALT (HMA) BASE ALONG WATER MAIN TRENCH, USING 4EL HMA MIXTURE BETWEEN JEFFERSON AND PACKARD, UPON APPROVAL FROM THE ENGINEER.
- CLEAN PAVEMENT AND PLACE TACK COAT, PLACE 2.0 INCH HMA LEVELING ALONG WATER MAIN TRENCH, USING 4EL HMA MIXTURE BETWEEN JEFFERSON AND PACKARD, AND BETWEEN PACKARD TO MADISON, UPON APPROVAL FROM THE ENGINEER.
- CLEAN PAVEMENT AND PLACE TACK COAT, PLACE 2.5 INCH HMA TOP COARSE, FROM WILLIAMS TO PACKARD, AND PLACE 2.0 INCH ALONG PACKARD TO MADISON, USING SEMI HMA MIX, UPON APPROVAL FROM THE ENGINEER.
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA TOP COURSE AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED. COORDINATE THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES AND BOXES WITH APPLICABLE UTILITY OWNER.—(WILL NOT NEED IF WE DO NOT LOWER)
- CLEAN PAVEMENT AND PLACE HMA WEDGING FOR DRIVEWAYS BETWEEN PACKARD TO MADISON, AS REQUIRED.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS, CITY POST, AND PERMANENT SIGN INSTALLATION AS REQUIRED OR AS DIRECTED BY THE ENGINEER.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN STREET TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

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| 01 | BID SET | | | | CHECKED |
| | | | | | REV. |

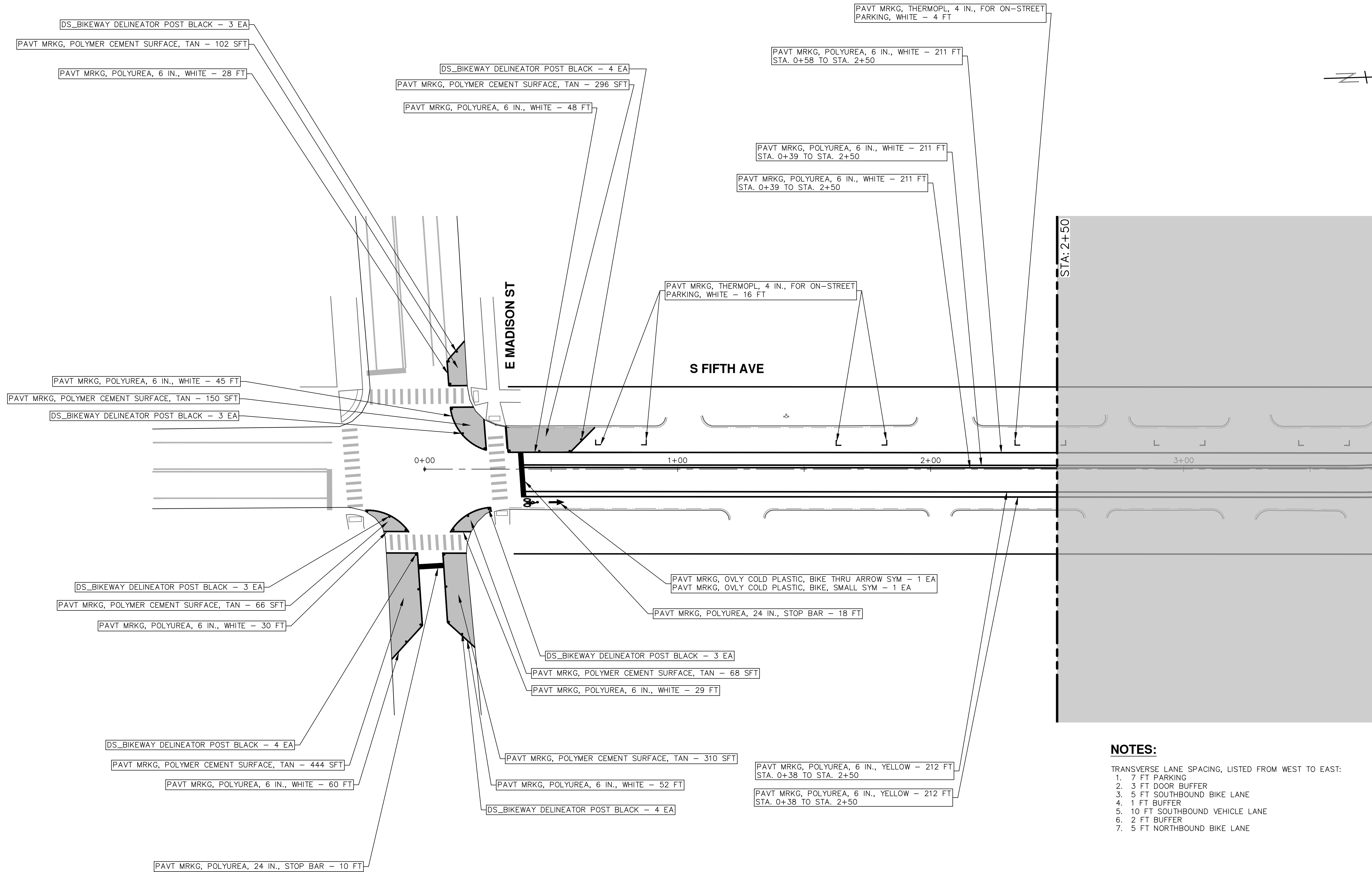
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
S. FIFTH AVE - COVER SHEET

SCALE
DRAWING No.
2025-004-35

T:\2025004\Plan Production\2025004 Rpmk Fifth 2025 Resurfacing.dwg Dwg Created: 22-Jan-25 - _a2 standard b.w.stb - Plot Date: 3-Feb-25



NOTES:

- TRANSVERSE LANE SPACING, LISTED FROM WEST TO EAST:
1. 7 FT PARKING
 2. 3 FT DOOR BUFFER
 3. 5 FT SOUTHBOUND BIKE LANE
 4. 1 FT BUFFER
 5. 10 FT SOUTHBOUND VEHICLE LANE
 6. 2 FT BUFFER
 7. 5 FT NORTHBOUND BIKE LANE



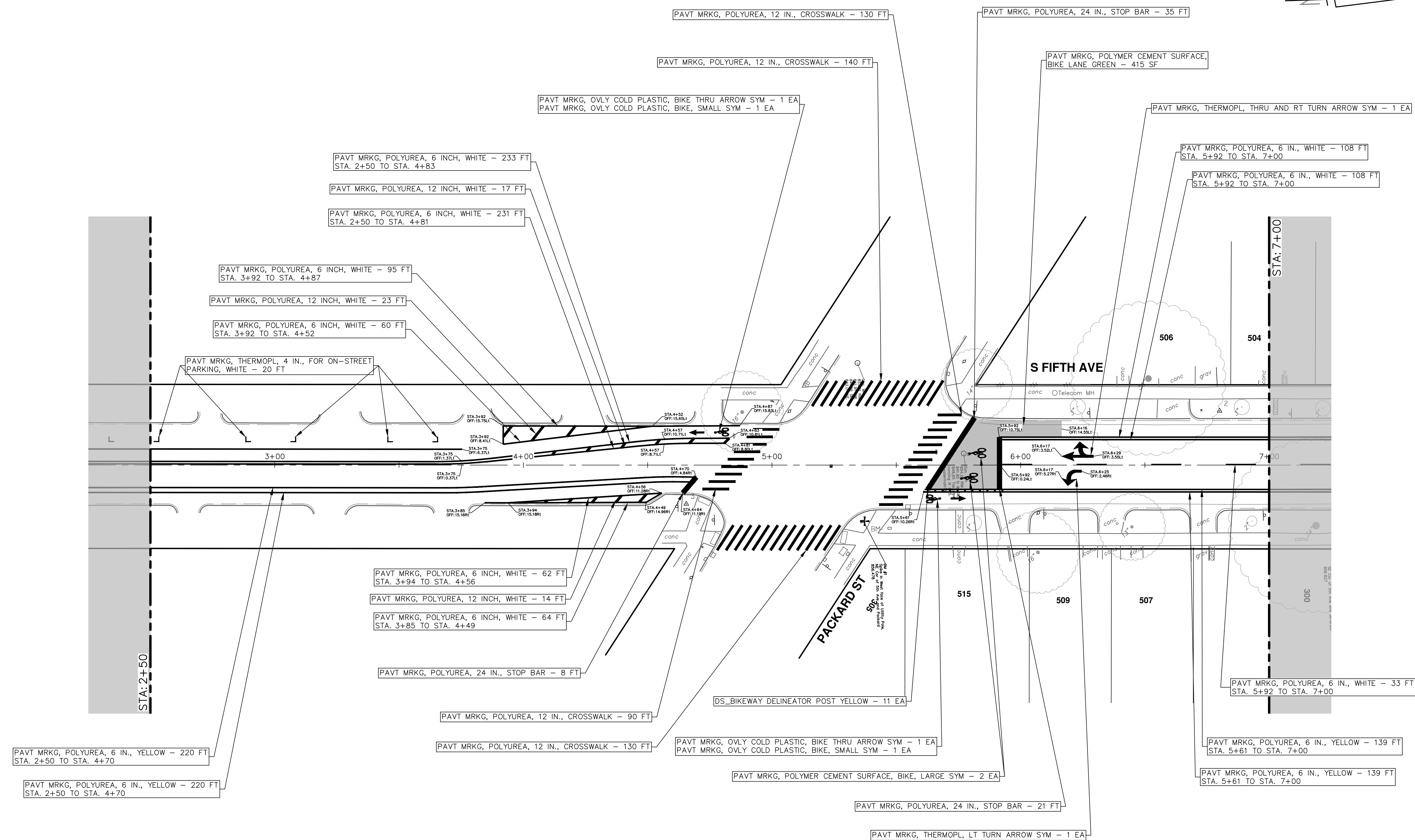
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| 01 | BID SET | 01/22/25 | CE/VO/DW | NB |

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING 2025
S. FIFTH AVE
PMKG FIFTH AVE STA. (0+00) - STA. (2+50)

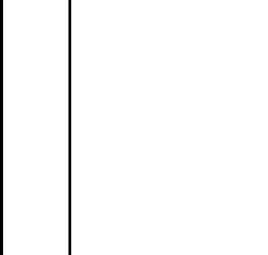
SCALE PLAN: 1" = 20'
DRAWING No. 2025-004-36

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| 02 | 02/04/25 | ADDENDUM 2 |

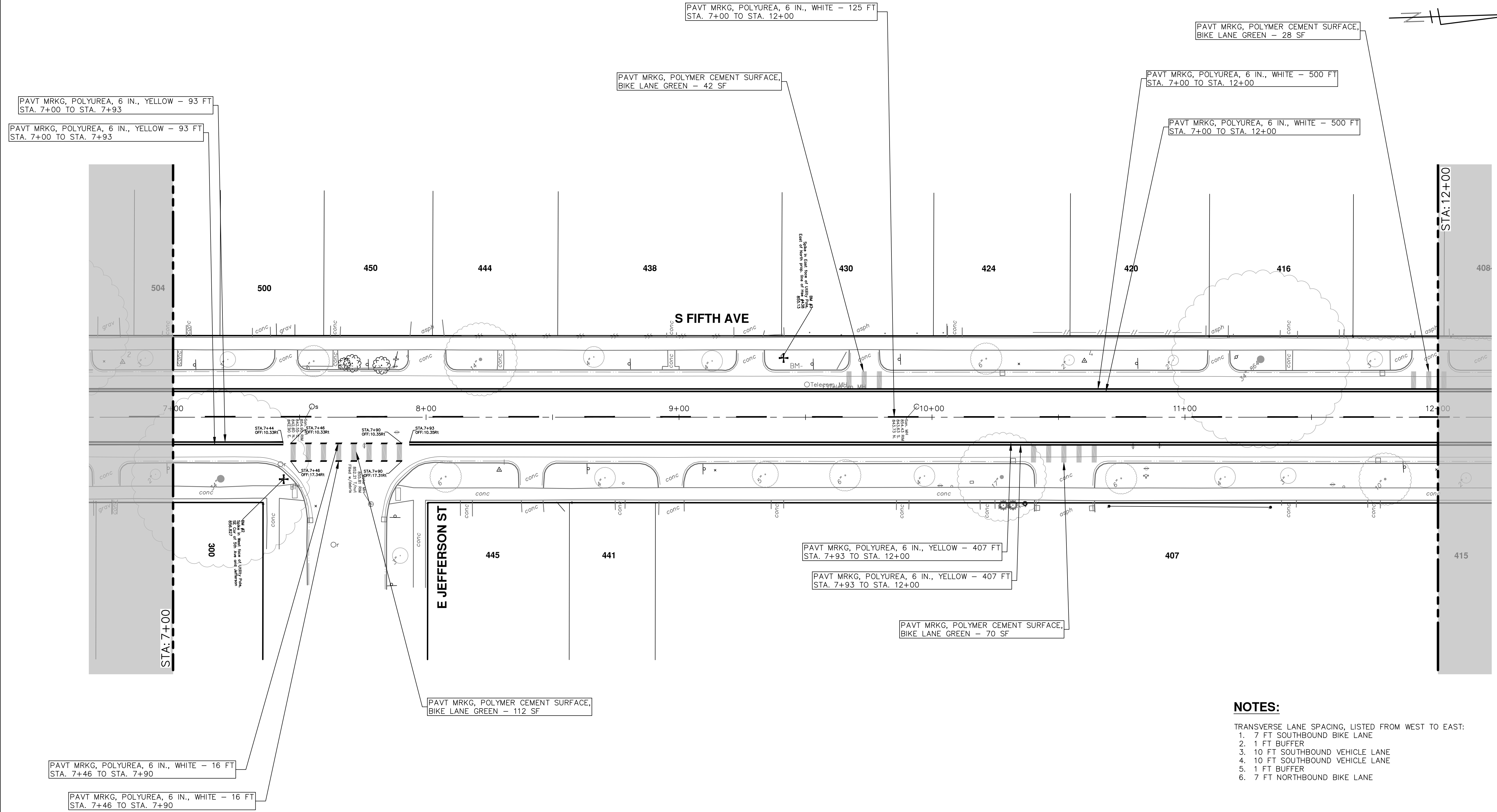
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING 2025
S. FIFTH AVE
PMKG FIFTH AVE STA. (2+50) - STA. (7+00)

SCALE PLAN: 1" = 20'
DRAWING No. 2025-004-37

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- NOTES:**
- TRANSVERSE LANE SPACING, LISTED FROM WEST TO EAST:
1. 7 FT SOUTHBOUND BIKE LANE
 2. 1 FT BUFFER
 3. 10 FT SOUTHBOUND VEHICLE LANE
 4. 10 FT SOUTHBOUND VEHICLE LANE
 5. 1 FT BUFFER
 6. 7 FT NORTHBOUND BIKE LANE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

STREET RESURFACING 2025

S. FIFTH AVE

PMKG FIFTH AVE STA. (7+00) - STA. (12+00)

SHEET No. **38 OF 4**

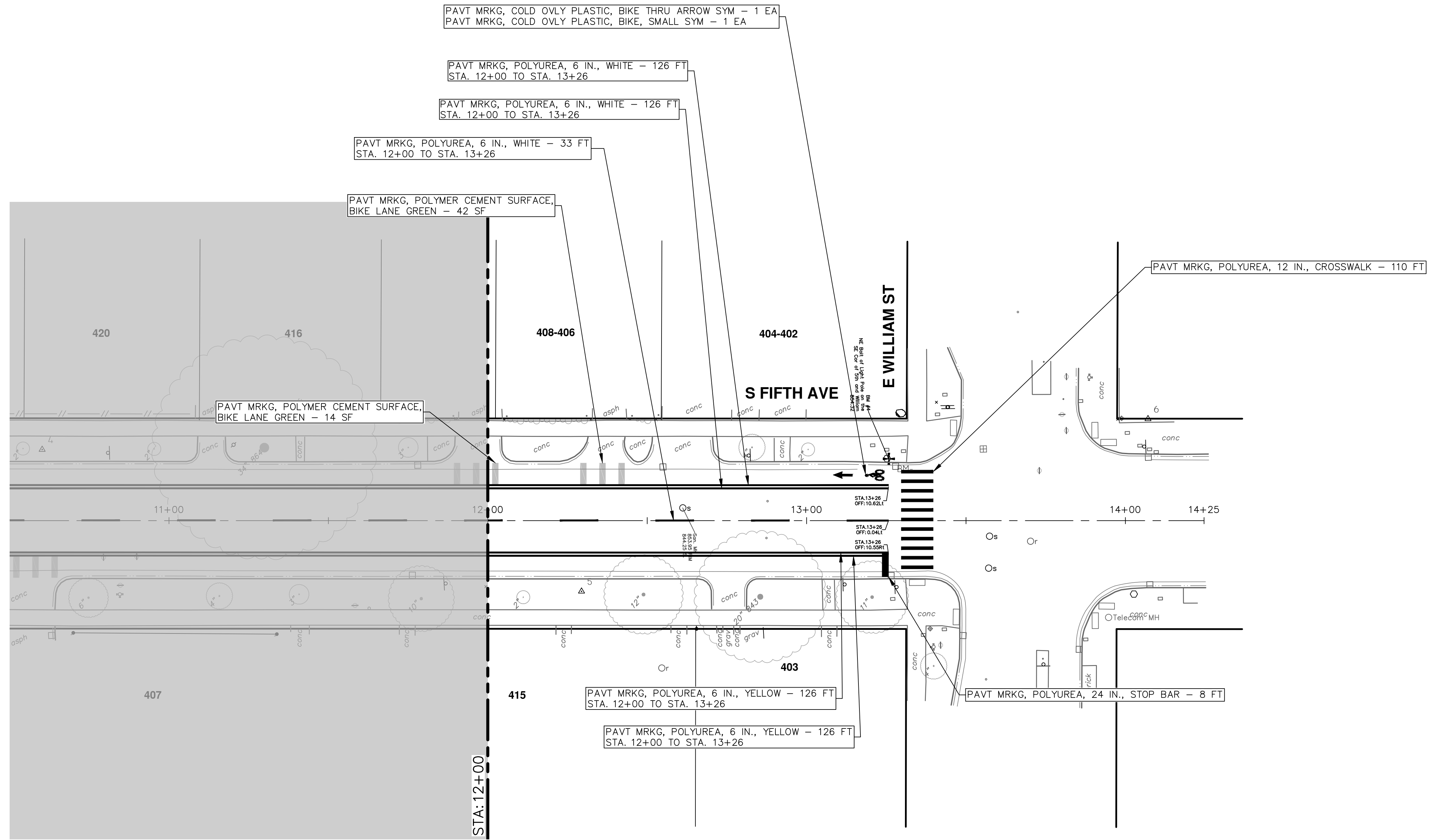
811
Know what's below.
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| 01 | 01/22/25 | BID SET |

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DRAWING No. **2025-004-38**

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NOTES:

- TRANSVERSE LANE SPACING, LISTED FROM WEST TO EAST:
1. 7 FT SOUTHBOUND BIKE LANE
 2. 1 FT BUFFER
 3. 10 FT SOUTHBOUND VEHICLE LANE
 4. 10 FT SOUTHBOUND VEHICLE LANE
 5. 1 FT BUFFER
 6. 7 FT NORTHBOUND BIKE LANE



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| 02 | ADDENDUM 2 | 02/04/25 | CE/VO/DW | NB |
| 01 | BID SET | 01/22/25 | CE/VO/DW | NB |

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STREET RESURFACING 2025
S. FIFTH AVE
PMKG FIFTH AVE STA. (12+00) - STA. (14+00)

SCALE PLAN: 1" = 20'
DRAWING No.
2025-004-39



CITY OF ANN ARBOR ENGINEERING EISENHOWER PATH

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

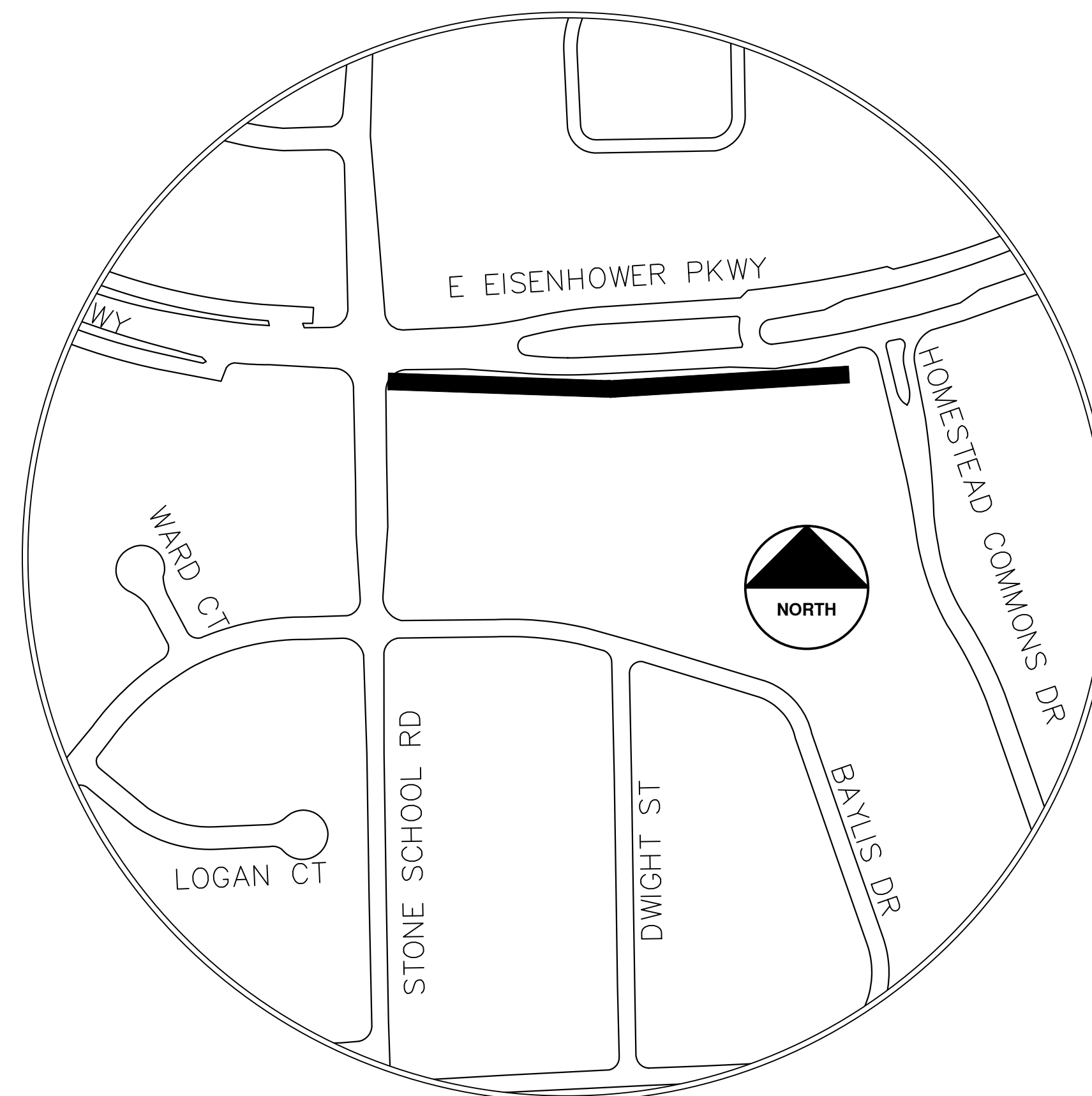
THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

**CONSTRUCTION SCOPE AND SEQUENCING
ASPHALT PATH EISENHOWER PKWY**

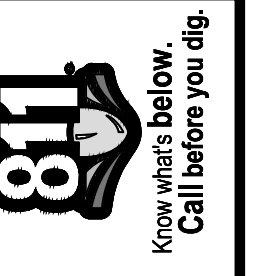
PERFORM WORK ON THIS SHARED USE PATH/ASPHALT SIDEWALK IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ACTIVATES LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS. OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC (M.O.T.) PLAN FROM THE ENGINEER PRIOR TO COMMENCING WITH ANY WORK. ANY/ALL TEMPORARY LANE CLOSURES REQUIRED FOR THIS WORK SHALL SET UP AND REMOVED, RESPECTIVELY, AT THE BEGINNING AND END OF EACH WORKDAY.

- IMPLEMENT M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- REMOVE OVERBURDEN OF VEGETATION AND SOILS ALONG EACH SIDE OF THE PATH/SIDEWALK.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER. HMA HAND PATCH BACK THE AREAS IDENTIFIED BY THE PLANS OR AS DIRECTED BY THE ENGINEER.
- COMPLETE NECESSARY HMA SURFACE PAVEMENT REMOVAL AND EARTHWORK/GRADING AS REQUIRED TO ACHIEVE A CONSISTENT 8 FOOT WIDTH FOR ITS ENTIRE LENGTH AND TO MATCH GRADES OF EXISTING FACILITIES ADJACENT TO THE PATH (E.I., SIDEWALKS, SHARED USE PATHS, RAMPS, CURB CUTS, DRIVEWAYS, ETC.) ALL AS DIRECTED BY THE ENGINEER.
- PLACE 3.0 INCH HMA AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER IN ISOLATED AREAS
- UPON APPROVAL OF THE SUBGRADE BY THE ENGINEER PLACE 3.0 INCH HMA PAVEMENT OVERTOP OF EXISTING HMA AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PERFORM SAW CUTS FOR CONCRETE REMOVAL. COMPLETE NECESSARY CONCRETE SIDEWALK/PAVEMENT REMOVAL AND EARTHWORK/N GRADING AS REQUIRED TO ACHIEVE GRADE AND WIDTH AS DIRECTED BY THE ENGINEER FOR ITS ENTIRE LENGTH. PLACE CONCRETE CURB AND GUTTER, CURB OPENINGS, 4.0 INCH CONCRETE SIDEWALK AND 6.0 INCH SIDEWALK RAMPS.
- COMPLETE ALL SLOPE RESTORATION WORK.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND PAVEMENT AND ALL OTHER NECESSARY CLEAN UP.
- REMOVE ALL SESC MEASURES, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN SIDEWALK TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

| Item Description | Unit | Estimate Qty |
|---|------|--------------|
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 54 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 16 |
| Lighted Arrow, Type C, Furn & Oper | Ea | 1 |
| Sign, Portable, Changeable Message, Furn & Oper | Ea | 2 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 65 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 4 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 4 |
| HMA, Any Thickness, Rem | Syd | 520 |
| DS_Cold Milling, Plunge Cut | Syd | 30 |
| Water Gate Valve Box, Adjust | Ea | 1 |
| Hand Patching | Ton | 7 |
| DS_Shared use Path, Aggregate | Ton | 150 |
| DS_Shared use Path, HMA | Ton | 80 |
| DS_Shared use Path, Grading, Modified | Syd | 520 |
| Conc, Sidewalk, 4 in | Sft | 883 |
| Turf Restoration | Syd | 375 |



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
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EISENHOWER PATH - COVER SHEET

SCALE
DRAWING No.
2025-004-40

SHEET No.
40 OF 47



CITY OF ANN ARBOR

ENGINEERING

STATE ST PATH

RFP No. 25-02, FILE No. 2025-004

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

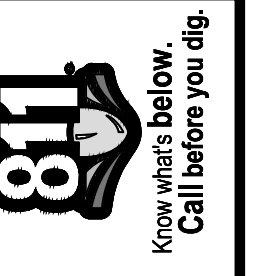
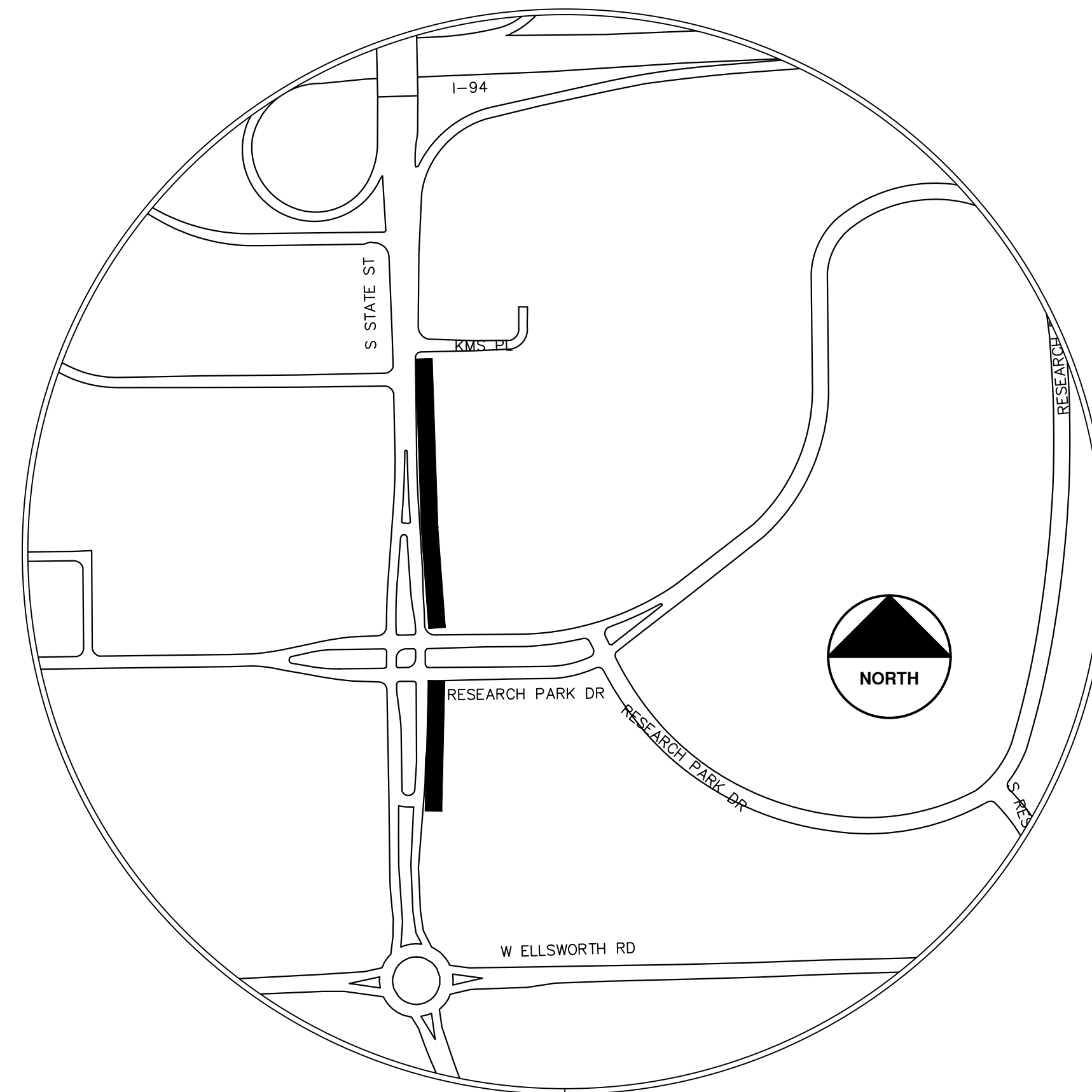
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CONSTRUCTION SCOPE AND SEQUENCING
ASPHALT PATH STATE ST

PERFORM WORK ON THIS SHARED USE PATH/ASPHALT SIDEWALK IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ACTIVATES LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS. OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC (M.O.T.) PLAN FROM THE ENGINEER PRIOR TO COMMENCING WITH ANY WORK. ANY/ALL TEMPORARY LANE CLOSURES REQUIRED FOR THIS WORK SHALL SET UP AND REMOVED, RESPECTIVELY, AT THE BEGINNING AND END OF EACH WORKDAY.

- IMPLEMENT M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- REMOVE OVERBURDEN OF VEGETATION AND SOILS ALONG EACH SIDE OF THE PATH/SIDEWALK.
- PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND CONCRETE REMOVAL AS IDENTIFIED AND DIRECTED BY THE ENGINEER. HMA HAND PATCH BACK THE AREAS IDENTIFIED BY THE PLANS OR AS DIRECTED BY THE ENGINEER.
- COMPLETE NECESSARY HMA SURFACE PAVEMENT REMOVAL AND EARTHWORK/GRADING AS REQUIRED TO ACHIEVE A CONSISTENT 8 FOOT WIDTH FOR ITS ENTIRE LENGTH AND TO MATCH GRADES OF EXISTING FACILITIES ADJACENT TO THE PATH (E.I., SIDEWALKS, SHARED USE PATHS, RAMPS, CURB CUTS, DRIVEWAYS, ETC.) ALL AS DIRECTED BY THE ENGINEER.
- PLACE 3.0 INCH HMA AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER IN ISOLATED AREAS
- UPON APPROVAL OF THE SUBGRADE BY THE ENGINEER PLACE 3.0 INCH HMA PAVEMENT OVERTOP OF EXISTING HMA AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- UPON APPROVAL FROM THE ENGINEER PERFORM SAW CUTS FOR CONCRETE REMOVAL. COMPLETE NECESSARY CONCRETE SIDEWALK/PAVEMENT REMOVAL AND EARTHWORK/N GRADING AS REQUIRED TO ACHIEVE GRADE AND WIDTH AS DIRECTED BY THE ENGINEER FOR ITS ENTIRE LENGTH. PLACE CONCRETE CURB AND GUTTER, CURB OPENINGS, 4.0 INCH CONCRETE SIDEWALK AND 6.0 INCH SIDEWALK RAMPS.
- COMPLETE ALL SLOPE RESTORATION WORK.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND PAVEMENT AND ALL OTHER NECESSARY CLEAN UP.
- REMOVE ALL SESC MEASURES, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
- OPEN SIDEWALK TO TRAFFIC UPON APPROVAL OF THE ENGINEER.

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Erosion Control, Inlet Protection, Fabric Drop | Ea | 3 |
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 81 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 12 |
| Lighted Arrow, Type C, Furn & Oper | Ea | 2 |
| Sign, Portable, Changeable Message, Furn & Oper | Ea | 2 |
| Plastic Drum, High Intensity, Lighted, Furn & Oper | Ea | 20 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 110 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 6 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 9 |
| HMA, Any Thickness, Rem | Syd | 420 |
| DS_Cold Milling, Plunge Cut | Syd | 40 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 90 |
| Hand Patching | Ton | 17 |
| DS_Shared use Path, Aggregate | Ton | 60 |
| DS_Shared use Path, HMA | Ton | 60 |
| DS_Shared use Path, Grading, Modified | Syd | 600 |
| Conc, Sidewalk, 4 in | Sft | 2483 |



| NO. | DATE | BY | DESCRIPTION |
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| 02 | 02/04/25 | CE/VO/DW | ADDENDUM 2 |
| 01 | 01/22/25 | CE/VO/DW | REVISION |

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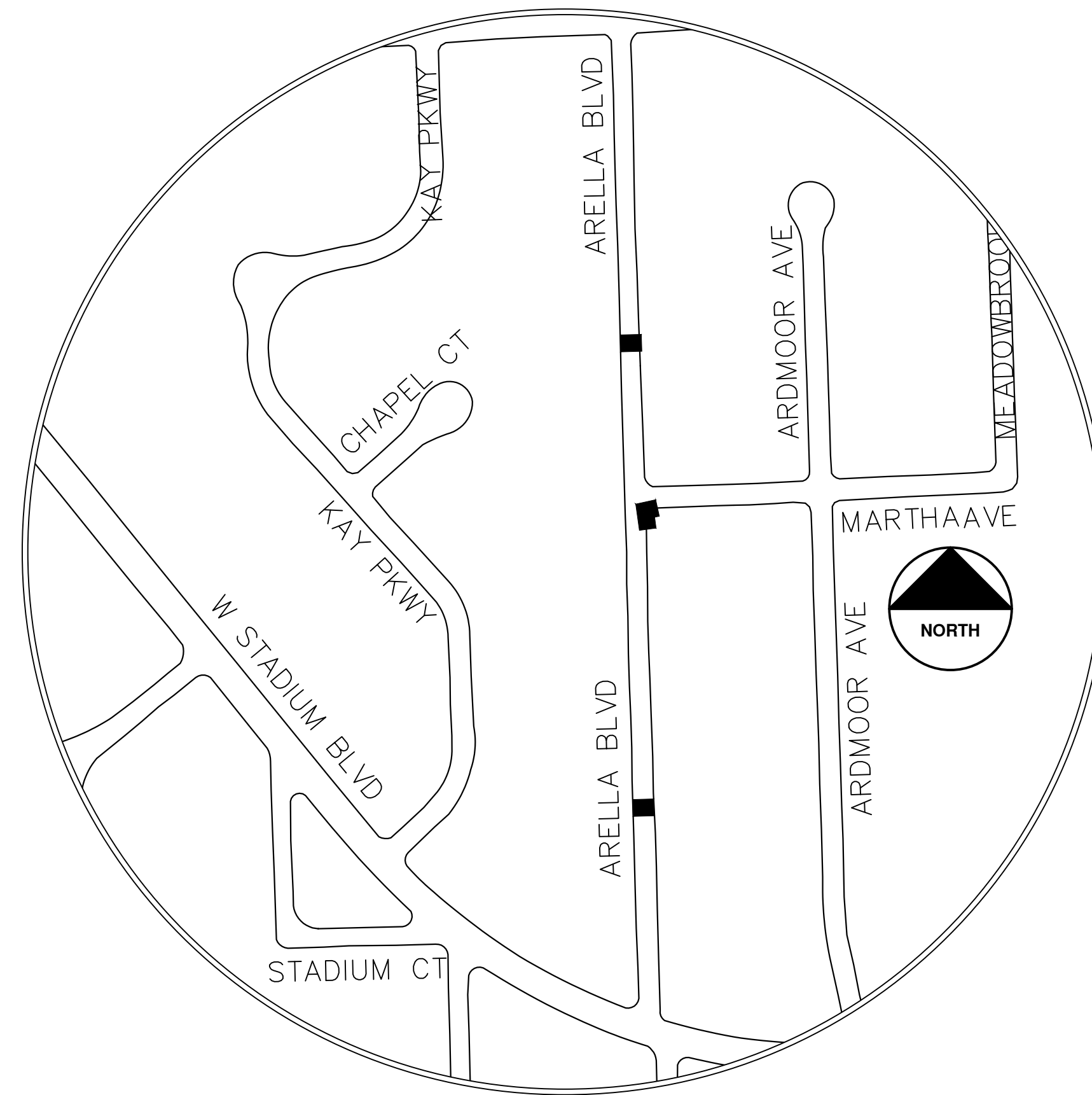
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 DRAWING No.
 2025-004-41



CITY OF ANN ARBOR ENGINEERING ARELLA BLVD TRAFFIC CALMING

RFP No. 25-02, FILE No. 2025-004

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 46 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 12 |
| Temporary "No Parking" Sign | Ea | 14 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 35 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 4 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 4 |
| HMA, Any Thickness, Rem | Syd | 133 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 50 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 120 |
| DS_Grading, Sidewalk, Ramp & Driveway Approach | Sft | 53 |
| Hand Patching | Ton | 2 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 70 |
| Conc, Sidewalk, 4 in | Sft | 75 |
| Conc, Sidewalk or Ramp, 6 inch | Sft | 50 |
| DS_Speed Hump, Conc | Syd | 80 |
| Detectable Warning Surface | Ft | 12 |
| Pavt Mrkg, Polyurea, Speed Hump Chevron, White | Ea | 8 |
| Pavt Mrkg, Thermopl, 12 In., Crosswalk | Ft | 64 |
| Recessing Pavt Mrkg, Transv | Sft | 288 |
| DS_Raised Device Delineator | Ea | 4 |
| Turf Restoration | Syd | 20 |



NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

CONSTRUCTION SCOPE AND SEQUENCING

TRAFFIC CALMING

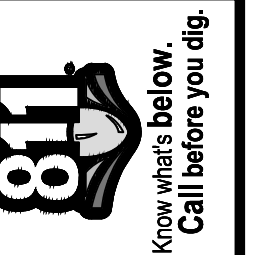
PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS. OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC (M.O.T.) PLAN FROM THE ENGINEER PRIOR TO COMMENCING WITH ANY WORK.

PHASE 1 (EAST/SOUTH SIDE OF STREETS):

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES FOR ALL PHASES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND ANY CONCRETE RELATED ITEMS AS IDENTIFIED INT THE PLANS OR AS AND DIRECTED BY THE ENGINEER. THIS WORK MAY BE DONE DURING PHASE 1 FOR ALL PHASES UTILIZING FLAG CONTROL OR OTHER TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD)
4. INSTALL HALF OR THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

PHASE 2 (WEST/NORTH SIDE OF STREETS):

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL ADDITIONAL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES, AS REQUIRED, THAT WERE NOT ALREADY INSTALLED IN PHASE 1.
2. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES, ASSUMING SAWCUT IN PRIOR PHASE. (SPEED MANAGEMENT FOR BURWOOD)
3. INSTALL REMAINING HALF OF THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. COMPLETE RESTORATION AS REQUIRED.
5. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
6. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND ALL OTHER NECESSARY CLEAN UP.
7. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
8. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.



| NO. | DATE | DESCRIPTION | BY | CHECKED |
|-----|----------|-------------|----------|---------|
| 02 | 02/04/25 | ADDENDUM 2 | CE/VO/DW | NB |
| 01 | 01/22/25 | BID SET | CE/VO/DW | NB |
| | | | | DRAWN |
| | | | | CHECKED |

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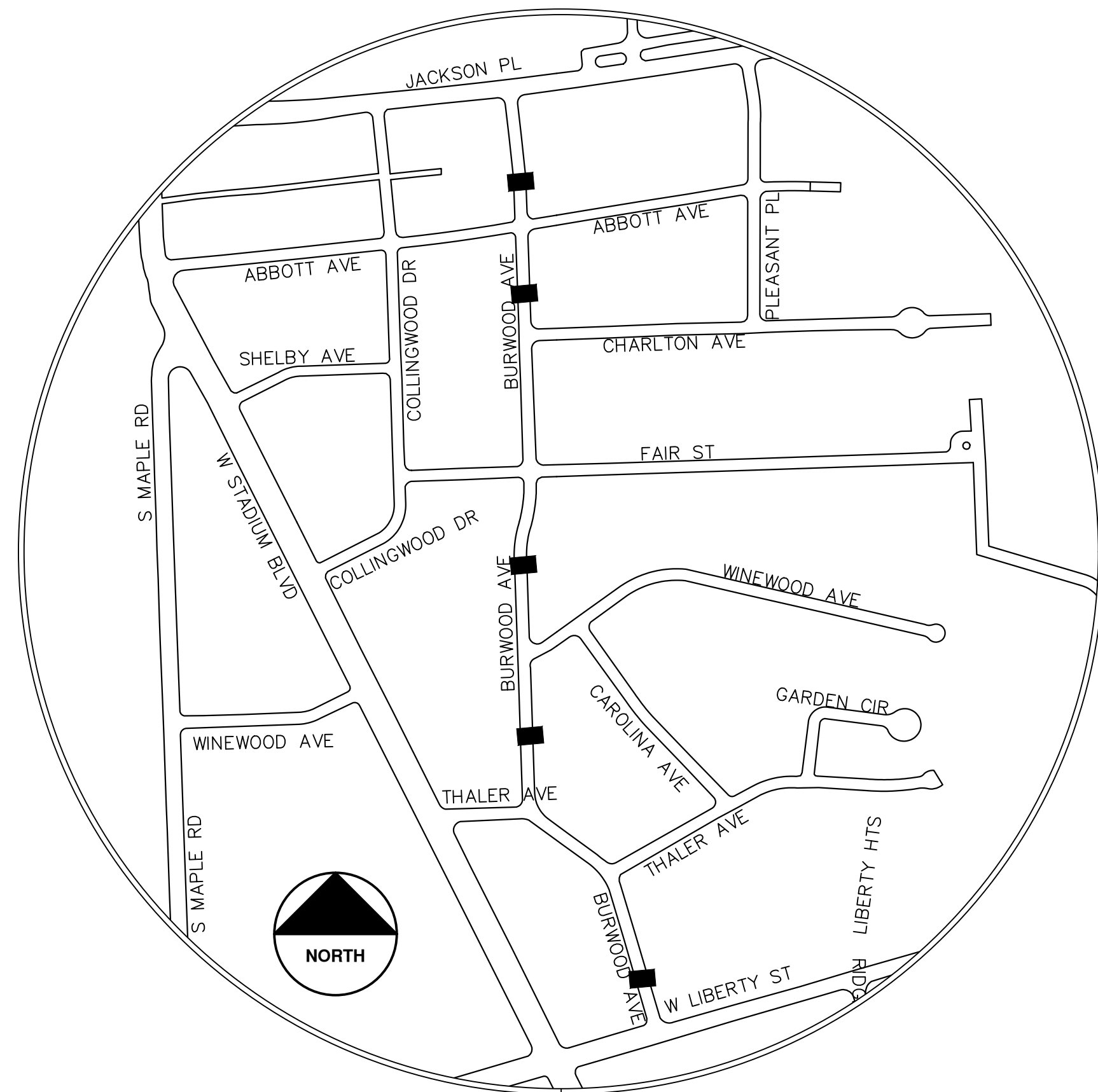
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
ARELLA BLVD TRAFFIC CALMING - COVER SHEET
DRAWING No. 2025-004-42



CITY OF ANN ARBOR ENGINEERING BURWOOD AVE SPEED MANAGEMENT

RFP No. 25-02, FILE No. 2025-004

| Item Description | Unit | Estimate Qty |
|---|------|--------------|
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 91 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 20 |
| Temporary "No Parking" Sign | Ea | 20 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 50 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 5 |
| HMA, Any Thickness, Rem | Syd | 182 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 48 |
| DS_Storm Structure Cover, Adjust | Ea | 1 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 48 |
| DS_Speed Hump, Conc | Syd | 182 |
| Pavt Mrkg, Polyurea, Speed Hump Chevron, White | Ea | 20 |
| Recessing Pavt Mrkg, Transv | Sft | 720 |
| DS_Raised Device Delineator | Ea | 10 |
| Turf Restoration | Syd | 12 |



NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

CONSTRUCTION SCOPE AND SEQUENCING

SPEED MANAGMENT

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS. OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC (M.O.T.) PLAN FROM THE ENGINEER PRIOR TO COMMENCING WITH ANY WORK.

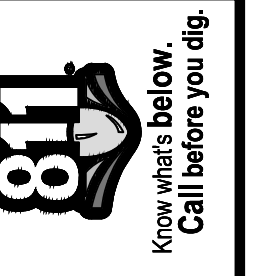
PHASE 1 (EAST/SOUTH SIDE OF STREETS):

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES FOR ALL PHASES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND ANY CONCRETE RELATED ITEMS AS IDENTIFIED INT THE PLANS OR AS AND DIRECTED BY THE ENGINEER. THIS WORK MAY BE DONE DURING PHASE 1 FOR ALL PHASES UTILIZING FLAG CONTROL OR OTHER TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD)
4. INSTALL HALF OR THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

PHASE 2 (WEST/NORTH SIDE OF STREETS):

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL ADDITIONAL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES, AS REQUIRED, THAT WERE NOT ALREADY INSTALLED IN PHASE 1.
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4. COMPLETE RESTORATION AS REQUIRED.
5. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
6. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND ALL OTHER NECESSARY CLEAN UP.
7. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
8. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.

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| NO. | DATE | DESCRIPTION | BY | CHECKED |
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| 02 | 02/04/25 | ADDENDUM 2 | CE/VO/DW | NB |
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
BURWOOD AVE SPEED MANAGEMENT - COVER SHEET

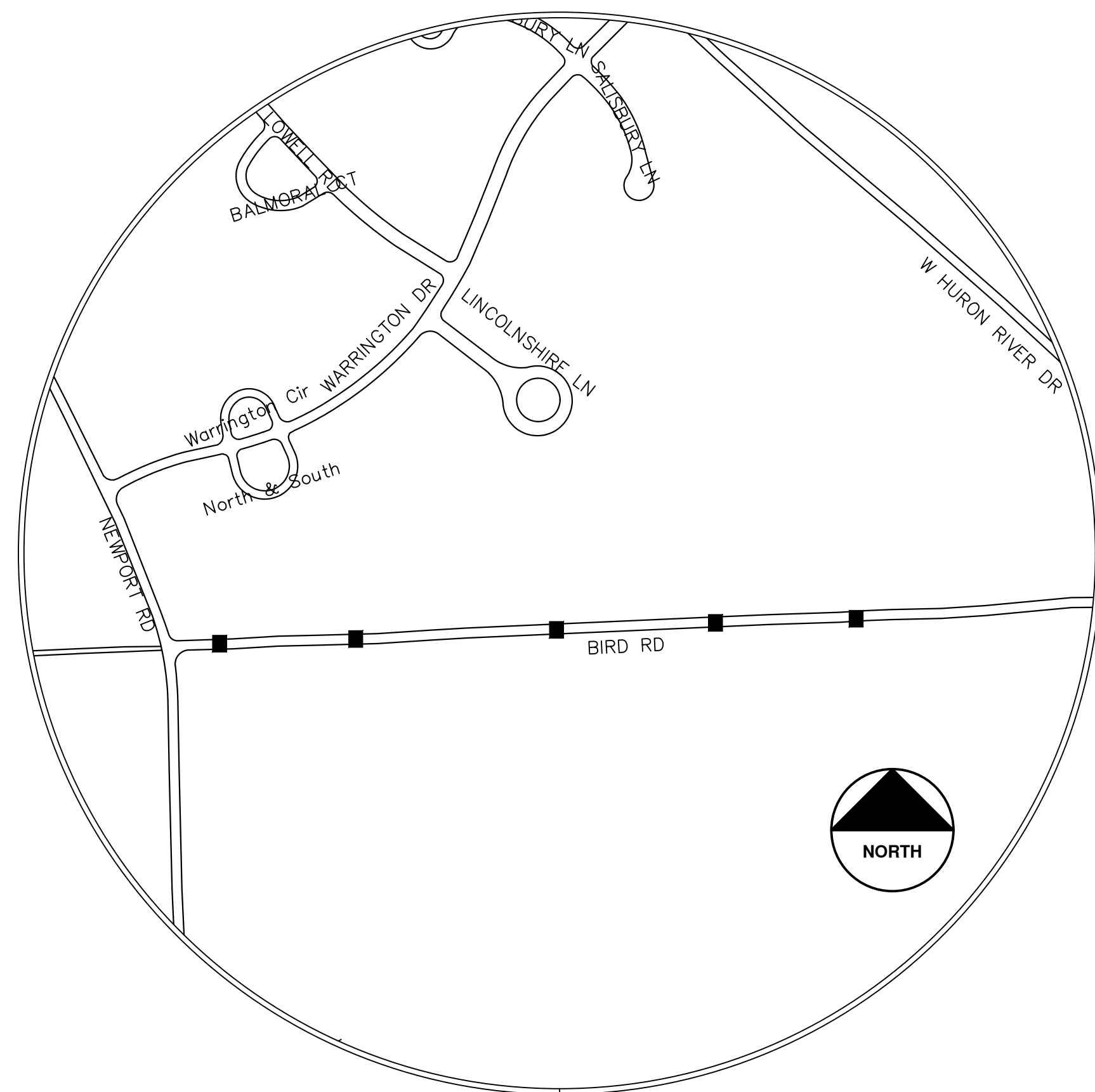
SCALE
DRAWING No.
2025-004-43



CITY OF ANN ARBOR ENGINEERING BIRD RD TRAFFIC CALMING

RFP No. 25-02, FILE No. 2025-004

| Item Description | Unit | Estimate Qty |
|---|------|--------------|
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 73 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 12 |
| Temporary "No Parking" Sign | Ea | 20 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 60 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 5 |
| HMA, Any Thickness, Rem | Syd | 170 |
| Hand Patching | Ton | 5 |
| DS_Speed Hump, Conc | Syd | 170 |
| Pavt Mrkg, Polyurea, Speed Hump Chevron, White | Ea | 20 |
| Recessing Pavt Mrkg, Transv | Sft | 720 |
| DS_Raised Device Delineator | Ea | 10 |



NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

CONSTRUCTION SCOPE AND SEQUENCING

TRAFFIC CALMING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS. OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC (M.O.T.) PLAN FROM THE ENGINEER PRIOR TO COMMENCING WITH ANY WORK.

PHASE 1 (EAST/SOUTH SIDE OF STREETS):

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES FOR ALL PHASES.

2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND ANY CONCRETE RELATED ITEMS AS IDENTIFIED INT THE PLANS OR AS AND DIRECTED BY THE ENGINEER. THIS WORK MAY BE DONE DURING PHASE 1 FOR ALL PHASES UTILIZING FLAG CONTROL OR OTHER TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER.

3. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD)

4. INSTALL HALF OR THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

PHASE 2 (WEST/NORTH SIDE OF STREETS):

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL ADDITIONAL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES, AS REQUIRED, THAT WERE NOT ALREADY INSTALLED IN PHASE 1.

2. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES, ASSUMING SAWCUT IN PRIOR PHASE. (SPEED MANAGEMENT FOR BURWOOD)

3. INSTALL REMAINING HALF OF THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

4. COMPLETE RESTORATION AS REQUIRED.

5. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.

6. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND ALL OTHER NECESSARY CLEAN UP.

7. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.

8. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.



| NO. | DATE | BY | DESCRIPTION |
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
BIRD RD TRAFFIC CALMING - COVER SHEET

DRAWING No.
2025-004-44

SHEET No.

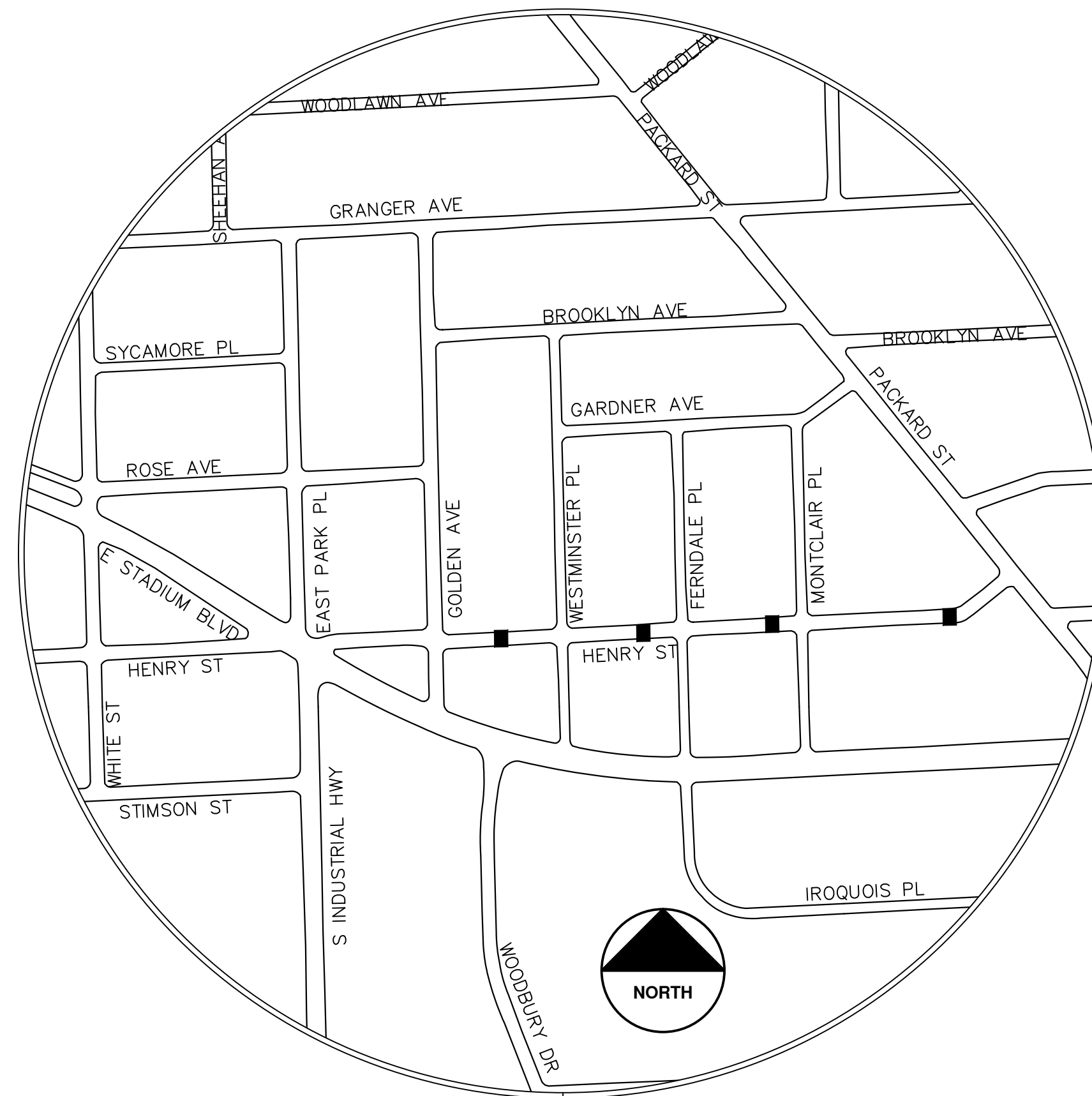
44 OF 47



CITY OF ANN ARBOR ENGINEERING HENRY ST TRAFFIC CALMING

RFP No. 25-02, FILE No. 2025-004

| Item Description | Unit | Estimate Qty |
|---|------|--------------|
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 55 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 8 |
| Temporary "No Parking" Sign | Ea | 16 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 45 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 4 |
| HMA, Any Thickness, Rem | Syd | 170 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 96 |
| Hand Patching | Ton | 2 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 96 |
| DS_Speed Hump, Conc | Syd | 170 |
| Pavt Mrkg, Polyurea, Speed Hump Chevron, White | Ea | 16 |
| Recessing Pavt Mrkg, Transv | Sft | 576 |
| DS_Raised Device Delineator | Ea | 8 |
| Turf Restoration | Syd | 21 |



NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

CONSTRUCTION SCOPE AND SEQUENCING

TRAFFIC CALMING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS. OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC (M.O.T.) PLAN FROM THE ENGINEER PRIOR TO COMMENCING WITH ANY WORK.

PHASE 1 (EAST/SOUTH SIDE OF STREETS):

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES FOR ALL PHASES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND ANY CONCRETE RELATED ITEMS AS IDENTIFIED IN THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK MAY BE DONE DURING PHASE 1 FOR ALL PHASES UTILIZING FLAG CONTROL OR OTHER TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD)
4. INSTALL HALF OR THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

PHASE 2 (WEST/NORTH SIDE OF STREETS):

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL ADDITIONAL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES, AS REQUIRED, THAT WERE NOT ALREADY INSTALLED IN PHASE 1.
2. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES, ASSUMING SAWCUT IN PRIOR PHASE. (SPEED MANAGEMENT FOR BURWOOD)
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4. COMPLETE RESTORATION AS REQUIRED.
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8. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
HENRY ST TRAFFIC CALMING - COVER SHEET

SCALE
DRAWING No.
2025-004-45

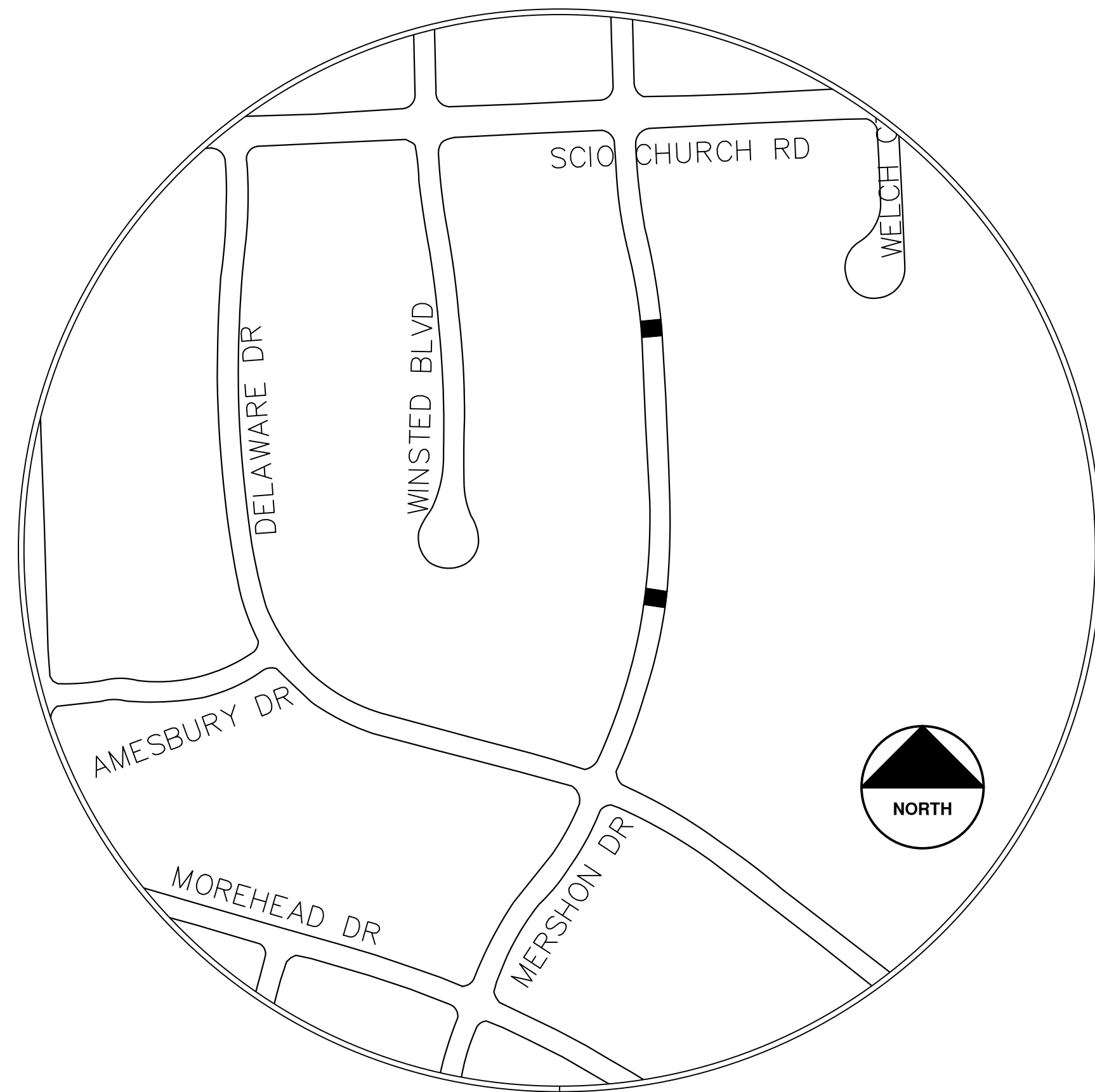
SHEET No.
45 OF 47



CITY OF ANN ARBOR ENGINEERING MERSHON DR TRAFFIC CALMING

RFP No. 25-02, FILE No. 2025-004

| Item Description | Unit | Estimate Qty |
|---|------|--------------|
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 45 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 12 |
| Temporary "No Parking" Sign | Ea | 14 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 35 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 2 |
| Hand Patching | Ton | 1 |
| DS_Speed Hump, Conc | Syd | 80 |
| Pavt Mrkg, Polyurea, Speed Hump Chevron, White | Ea | 8 |
| Recessing Pavt Mrkg, Transv | Sft | 288 |
| DS_Raised Device Delineator | Ea | 4 |



NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

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CONSTRUCTION SCOPE AND SEQUENCING

TRAFFIC CALMING

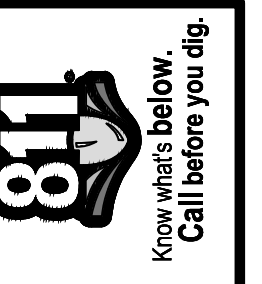
PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS", COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS. OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC (M.O.T.) PLAN FROM THE ENGINEER PRIOR TO COMMENCING WITH ANY WORK.

PHASE 1 (EAST/SOUTH SIDE OF STREETS):

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES FOR ALL PHASES.
2. PERFORM SAWCUTS FOR HOT MIX ASPHALT (HMA) AND ANY CONCRETE RELATED ITEMS AS IDENTIFIED IN THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK MAY BE DONE DURING PHASE 1 FOR ALL PHASES UTILIZING FLAG CONTROL OR OTHER TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER.
3. CONDUCT REMOVAL WORK RELATED TO TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD)
4. INSTALL HALF OF THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

PHASE 2 (WEST/NORTH SIDE OF STREETS):

1. INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE M.O.T. PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS AND INSTALL ADDITIONAL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES, AS REQUIRED, THAT WERE NOT ALREADY INSTALLED IN PHASE 1.
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3. INSTALL REMAINING HALF OF THE TRAFFIC CALMING DEVICES (SPEED MANAGEMENT FOR BURWOOD) ALONG WITH ANY RELATED CONCRETE SIDEWALK AND RAMP WORK AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. COMPLETE RESTORATION AS REQUIRED.
5. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
6. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING CLEANING OF STRUCTURES AND ALL OTHER NECESSARY CLEAN UP.
7. REMOVE ALL SESC MEASURES, NO PARKING SIGNS, MISS DIG FLAGS, AND TEMPORARY TRAFFIC CONTROL DEVICES.
8. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.



| NO. | DATE | DESCRIPTION | BY | CHECKED |
|-----|----------|-------------|----------|---------|
| 02 | 02/04/25 | ADDENDUM 2 | CE/VO/DW | NB |
| 01 | 01/22/25 | BID SET | CE/VO/DW | NB |
| | | | DATE | DRAWN |
| | | | | CHECKED |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48107-8647
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
MERSHON DR TRAFFIC CALMING - COVER SHEET

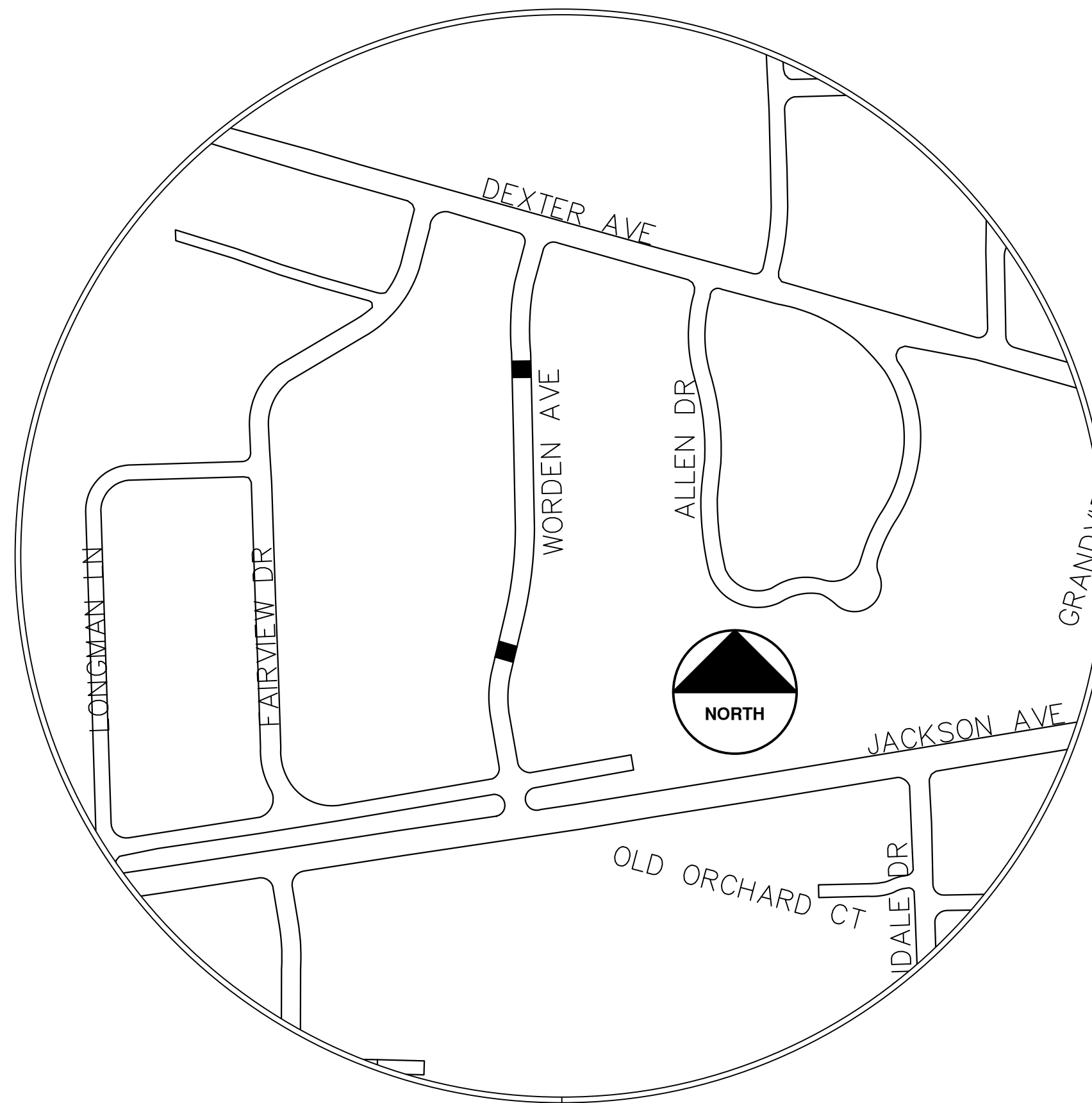
SCALE
DRAWING No.
2025-004-46



CITY OF ANN ARBOR ENGINEERING WORDEN AVE TRAFFIC CALMING

RFP No. 25-02, FILE No. 2025-004

| Item Description | Unit | Estimate Qty |
|--|------|--------------|
| Sign, Type B, Temp, Prismatic, Furn & Oper | Sft | 46 |
| Sign, Type B, Temp, Prismatic, Special, Furn & Oper | Sft | 12 |
| Temporary "No Parking" Sign | Ea | 14 |
| Channelizer Cone, High Intensity, 42 In., Furn & Oper | Ea | 35 |
| Barricade, Type III, High Intensity, Lighted, Furn & Oper | Ea | 2 |
| Pedestrian Type II Barricade, Temp, Furn & Oper | Ea | 2 |
| HMA, Any Thickness, Rem | Syd | 133 |
| Curb, Gutter, and Curb and Gutter, Any Type, Rem | Ft | 98 |
| Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem | Sft | 130 |
| DS_Grading, Sidewalk, Ramp & Driveway Approach | Sft | 53 |
| Hand Patching | Ton | 2 |
| Conc, Curb or Curb & Gutter, All Types | Ft | 70 |
| Conc, Sidewalk, 4 in | Sft | 75 |
| Conc, Sidewalk or Ramp, 6 inch | Sft | 50 |
| DS_Speed Hump, Conc | Syd | 80 |
| Detectable Warning Surface | Ft | 5 |
| Pavt Mrkg, Polyurea, Speed Hump Chevron, White | Ea | 8 |
| Recessing Pavt Mrkg, Transv | Sft | 288 |
| DS_Raised Device Delineator | Ea | 4 |
| Turf Restoration | Syd | 20 |



NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

CONSTRUCTION SCOPE AND SEQUENCING

TRAFFIC CALMING

PERFORM WORK ON THIS STREET IN ACCORDANCE WITH THE "SCHEDULE OF STREETS". COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. CONSTRUCTION ON THIS STREET INCLUDES, BUT IS NOT LIMITED TO, THE WORK ITEMS LISTED BELOW. PERFORM THE WORK IN THE ORDER INDICATED UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER AND NOT UNTIL LOCATING ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS NOTED ON THE PLANS AND IN THE CONTRACT SPECIFICATIONS. OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC (M.O.T.) PLAN FROM THE ENGINEER PRIOR TO COMMENCING WITH ANY WORK.

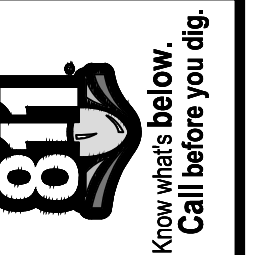
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T:\2025004\Plan Production\Cover Sheets\Worden Ave Traffic Calming.dwg - Plot Date: 2/3/2025 12:20:29 PM



| NO. | DATE | DESCRIPTION | REV. |
|-----|----------|-------------|----------|
| 02 | 02/04/25 | ADDENDUM 2 | |
| 01 | 01/22/25 | BID SET | |
| | | | CHECKED |
| | | | DRAWN |
| | | | DATE |
| | | | REVISION |

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48106-6647
www.a2gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANNUAL RESURFACING PROGRAM - 2025
WORDEN AVE TRAFFIC CALMING
DRAWING No. 2025-004-47

RFP 25-02 Pre-Bid Meeting Notes:

The sample contract language states there is a possibility of a one-year extension as follows; “Subject to the availability of funding, the Contract may be extended for one one-year term, on the same terms and conditions, including unit prices, subject to agreement by the City and the Contractor and changes in the streets to be paved and completion date. LS remain the same, only thing that would change would be the locations of the streets along with a timeline”.

2025 Program Overview:

1. Engineer Estimate: \$6.1 million
2. Anticipated Lane Miles: 8.38
3. Major Roads: 3 total. All locations are anticipated as full closures to expedite the work.
 - a. E. Ann St - From Zina Pitcher to E. Medical Center Drive. Work will include removal and replacement of the roundabout and resurfacing of Ann St and portions of Observatory.
 - b. S. University Ave – From Church to E. University. Remove 4 inches and replace 4 inches.
 - c. S. Fifth Ave: From E. William to E. Madison. E. William to Packard is 2 inches of HMA with a composite base and Packard to E. Madison is 4 inches of HMA and a concrete base.
4. Anticipated Local Road No’s.: 23 total.
5. Anticipated Paths: 2 - Eisenhower, and State. The construction sequence goes into detail about the different treatments.
6. Traffic Calming Locations: 3 total. *(Done by June 30, 2025)*
7. New Sidewalk Installation: 1 total. Independence Blvd from Victory to Essex Southside
8. Bid HMA Tonnage: 13,414 4EL Locals, 5EML wearing Majors
9. Bid Concrete Quantity: 4” Sidewalk 9,827 Sft ; 6” Sidewalk 3,413 Sft; 6” Driveway Approaches 4,540 Sft ; Curb 7,888 ft; M-Opening 4,403 ft ; Conc Pavt Non-reinf, 6 Inch 190 Syd;

2026 Anticipated Program Overview:

1. Anticipated Lane Miles: 7.5
2. Anticipated Major Roads: 2 total.
 - a. Oakbrook from Ann Arbor-Saline to Main St – Anticipated Mill and Fill.
 - b. Northbrook from Eisenhower to Oakbrook – Anticipated Rehab.
3. Anticipated Local Road No.: 24 total. Area north of Geddes and Areas within a large Student housing population. Full closures to expedite the work are being reviewed.
4. Anticipated Paths: 0
5. Anticipated Traffic Calming Locations: 0-3 Total. This will be determined on available funding.
6. Anticipated Sidewalk Gap Installation: 0
7. Anticipated HMA Tonnage: 12,000
8. Anticipated Concrete Quantity: Curb 11,000 ft, Sidewalk 4” 3,500 sft

General Contract Overview:

Project Schedule Key points:

- Contractor will be required to submit a detailed project schedule no later than April 7th. Key Milestone dates are listed in the Progress Schedule.
- Streets with milestones are identified.
- The Contractor is required within 10 days of opening the street to traffic to complete the following, (which includes, but is not limited to): turf restoration, clean-up, street cleaning,

utility structure cleaning, removal of all temporary traffic control, SESC devices, temporary “No Parking” signs, and other work as directed by the PSAA.

- Overlay rehab roads will require a curb reveal prior to any concrete work starting. Reference plans and contract documents. (DS- 14 Cold Milling for Concrete Curb and Gutter Reveal).
 - Concrete Curb and Gutter Reveal will not be paid if the work is performed at the same time as the overall road cold milling operations.

MOT Related:

- Article 11 Section EE. of the City Standard: Temporary Signs measured by Square Foot and Traffic Control Items measured by Each include all material and equipment cost necessary to furnish, install, operate, maintain, relocate, and remove each traffic control device as specified. This includes re-installing and operating devices as necessary as the work progresses and removing devices at the completion of the project.
 - The city has identified an area available to stockpile MOT devices, if contractor desires.
- Article 11 Section GG. of the City Standard: Minor Traffic Control, Max cost covers all other necessary requirements with maintaining the Traffic Control devices and was considered in the scope of this program when proposing a max price.
- Traffic Regulator Control (Flaggers) item unit has been changed from LS to Hrs.
 - Article 10 Section 1.C of the City Standard. Traffic Control and Maintenance details what is required for Traffic Regulator Control.
 - The number of flaggers will be determined by the PSAA, at least one week prior to their need.
 - Contractors will be required to submit invoices that detail the days worked, the number of employees, and hours per employee which will be processed under this item.
- Variable Message Boards will be used on Majors and entrance into local road neighborhoods, smaller units (4 ft x 8 ft) will be desirable.

Utility Related:

- DS_ Structure Cover Adjustments, EA and DS Structure Cover Type _, EA, Key Points:
 - The City is providing EJ 1040 standard utility structure covers and accompanying frames.

| |
|-------------------------------------|
| DS_Sanitary Structure Cover, Adjust |
| DS_Storm Structure Cover, Adjust |
| DS_Water Structure Cover, Adjust |
| DS_Storm Curb Inlet, Adjust |
| |

- New structures CB/Inlets, come with frame and cover, incidental to the structure pay item.

| |
|-----------------------------------|
| DS_Storm Structure Cover, Type K |
| DS_Storm Structure Cover, Type Z |
| DS_Storm Structure Cover, Type M5 |
| DS_Storm Structure Cover, Type HC |

- All other materials, labor and work associated are included in the pay items for adjustments.
- All other structures are called out in the contract documents that must be provided by the contractor.
- Catch basin frame and cover are incidental on new structures.

- “Storm Curb Inlet, Adjust” paid for new and existing structures, adjustment of the inlet structure shall be done while curb is being placed, simultaneously.
 - Storm Structure Cover Type “_” will be used to compensate contractor for the furnishment of new Frame and Cover placed at an existing inlet structure.
 - The contractor will have 14 days to adjust all other structures, to final grade once, the wearing course has been placed.
- DS Drainage and Utility Structure Reconstruction Key Points:
 - Structure reconstruction pay item units have been updated from previous programs from Ea to Ft.

Pay Item Related:

- Item **HMA Surface Rem** will be used on Fifth Ave (E. William to Packard) and is for composite road milling where we anticipate hitting the concrete base.
- Item **Cold-Milling Removal** will be for all other milling, including Fifth Ave (Packard to E. Madison) despite being a composite cross section we do not anticipate milling over 4 inches.
- Item **DS_Cold Milling, Plunge Cut** will be for milling a second pass over isolated areas on those streets identified as Mill and Fill, whose exposed milled surface from the first pass is deteriorated.
- Item **DS_Concrete Pavt, Any Thickness, Rem, Pavt Repair** will be for removing composite pavement base panels which have failed and need to be removed full depth. This is anticipated to be low production work.
- Item **DS_Concrete Pavt, Any Thickness, Rem** will be for removing composite pavement base removal of full lane widths over 100 ft length. This is anticipated to be high production work.
- Item **DS_Pavt Joint and Crack Repr, Det 7** will be used on Fifth Ave for mechanical cleaning of deteriorated joints and crack in the composite pavement, in preparation for the placement of bond coat and Hand Patch HMA.
- Item **HMA, Any Thickness, Rem** will be for full depth HMA removal when we want to remove all the HMA were we intend on grading the aggregate base
- Item **HMA Patch, Rem** will be for removing exiting driveway wedging on overly gutters.

Pre-Bid Meeting Sign-in Sheet

PROJECT: Annual Local Street Resurfacing RFP 25-02

DATE: 01/28/2025

PLEASE PRINT

| NAME | REPRESENTING | TELEPHONE | EMAIL |
|---|---------------------------------|--------------|--|
| Andrea Wright Project Manager | City of Ann Arbor - Engineering | 586-431-1733 | Awright@a2gov.org |
| Nicholas Bayley, P.E. Project Engineer | City of Ann Arbor - Engineering | | Nbayley@a2gov.org |
| Carl Emmons Lead Inspector | City of Ann Arbor - Engineering | 517-605-9342 | Cemmons@a2gov.org |
| Nina Ovalle Inspector | City of Ann Arbor - Engineering | | Vovalle@a2gov.org |
| Jacob Osmenson project manager | Cadillac Asphalt | 734-366-6705 | Jacob.osmenson@cadillacasphalt.com |
| JOHN SENKOWSKI | DOAN CONSTRUCTION | 734 971 4678 | jseuskowski@doancompanies.com |
| WANIDA DWYER | CADILLAC ASPHALT | 734 216-7006 | WANIDA.DWYER@CADILLACASPHALT.COM |
| | | | |

Teams Attendance Report

1. Summary

Meeting title: RFP 25-02 Pre-Proposal Conference for A2 Annual Street Resurfacing Program (Options: In-person or Teams)

Attended participants 4

Start time 1/28/25, 9:52:20 AM

End time 1/28/25, 12:04:09 PM

Meeting duration 2h 11m 48s

Average attendance time

2. Participants

| Name | Representing | Email |
|--------------------|-------------------|--------------------------|
| Wright, Andrea | City of Ann Arbor | AWright@a2gov.org |
| Bayley, Nicholas | City of Ann Arbor | NBayley@a2gov.org |
| Dalton Boote | Doan Companies | dboote@doancompanies.com |
| Wanda (Unverified) | Cadillac Asphalt | |

Pre-Bid Meeting Sign-in Sheet

PROJECT: Annual Local Street Resurfacing RFP 25-02

DATE: 02/04/2025

PLEASE PRINT

| NAME | REPRESENTING | TELEPHONE | EMAIL |
|---|---------------------------------|--------------|--|
| Andrea Wright Project Manager | City of Ann Arbor - Engineering | 586-431-1733 | Awright@a2gov.org |
| Nicholas Bayley, P.E. Project Engineer | City of Ann Arbor - Engineering | | Nbayley@a2gov.org |
| Carl Emmons Lead Inspector | City of Ann Arbor - Engineering | 517-605-9342 | Cemmons@a2gov.org |
| Nina Ovalle Inspector | City of Ann Arbor - Engineering | | Vovalle@a2gov.org |
| Jacob Osmonson | Cadillac Asphalt | 734-366-6205 | jacob.osmonson@cadillacasphalt.com |
| | | | |
| | | | |
| | | | |

1. Summary

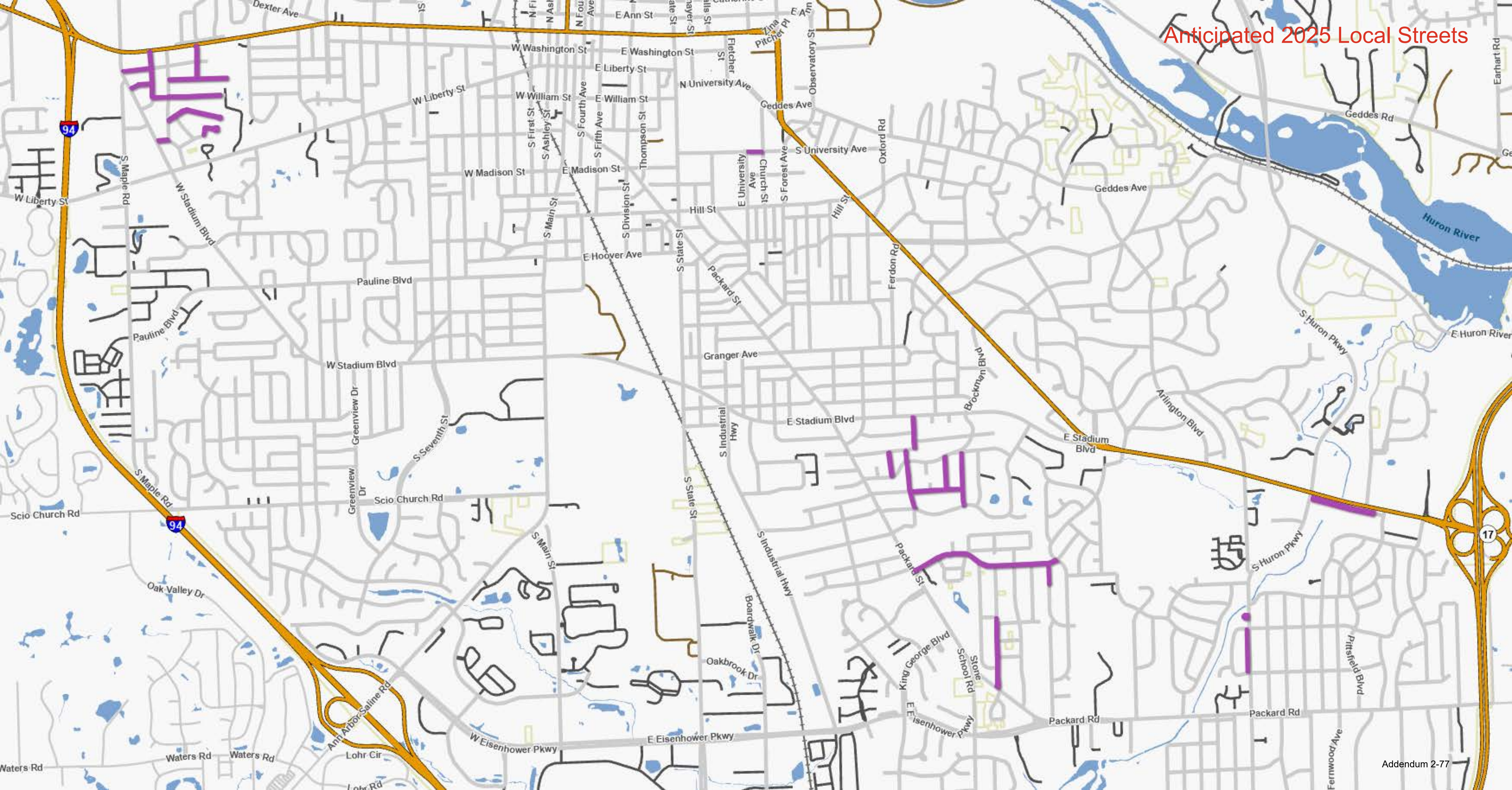
Meeting title: RFP 25-02 Pre-Proposal Conference No. 2 for A2 Annual Street Resurfacing Program
(Options: In-person or Teams)

| | | |
|-------------------------|---------------------|---|
| Attended participants | | 6 |
| Start time | 2/04/25, 9:11:08 AM | |
| End time | 2/04/25, 9:59:06 AM | |
| Meeting duration | 47m 58s | |
| Average attendance time | 28m 28s | |

2. Participants

| Name | Representing | Email |
|--|-------------------|---------------------------------|
| Wright, Andrea | City of Ann Arbor | AWright@a2gov.org |
| Benjamin J. Kohler (External) | Ajax Paving | bkohler@ajaxpaving.com |
| Emmons, Carl | City of Ann Arbor | CEmmons@a2gov.org |
| John Senkowski (Unverified) | Doan Companies | |
| Bayley, Nicholas | City of Ann Arbor | NBayley@a2gov.org |
| Dwyer, Wanda (Cadillac Asphalt) (External) | Cadillac Asphalt | Wanda.Dwyer@cadillacasphalt.com |

Anticipated 2025 Local Streets



Anticipated 2026 Local Streets

