



CITY OF ANN ARBOR ENGINEERING

STREET RESURFACING PROJECT - 2022

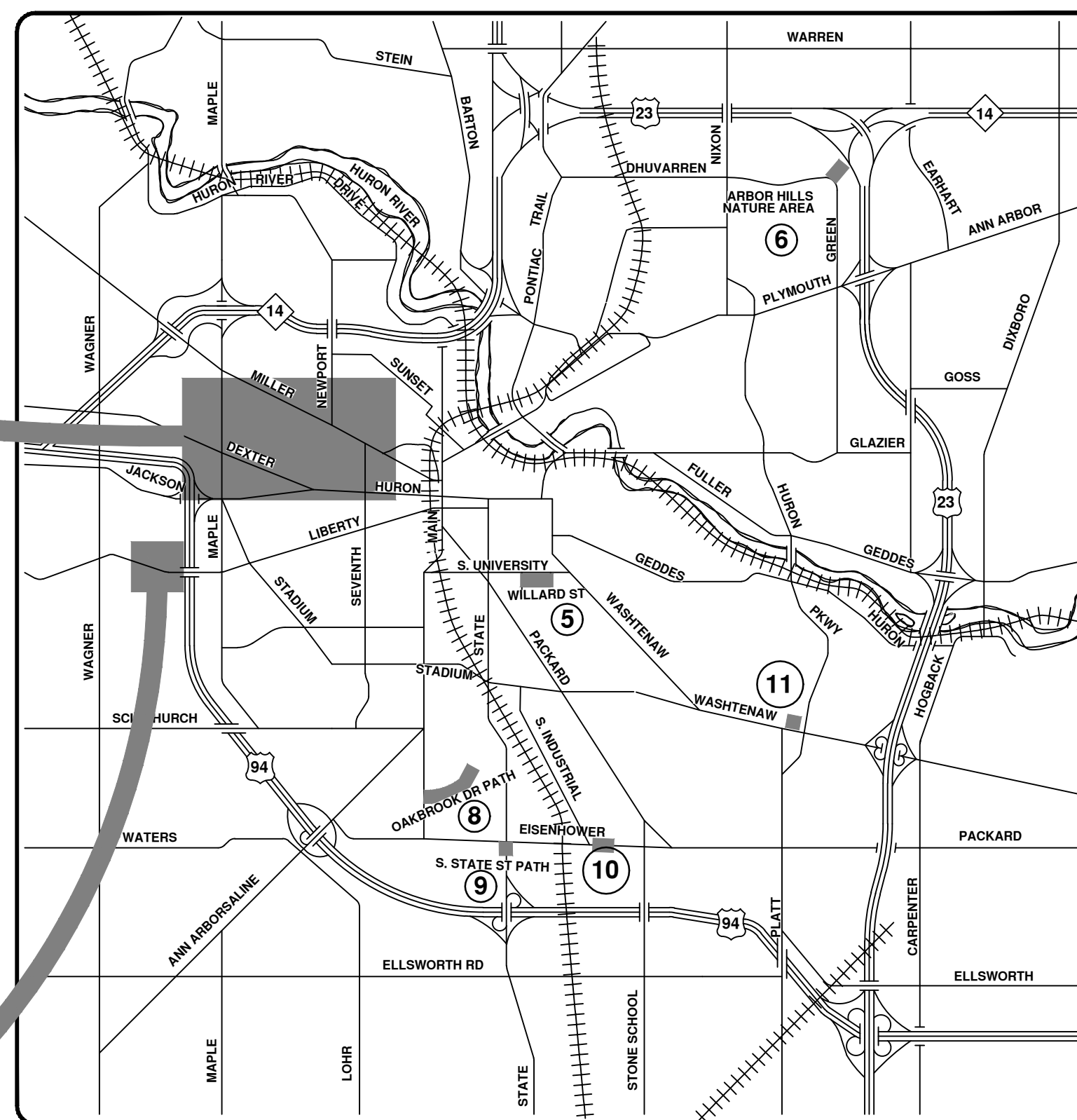
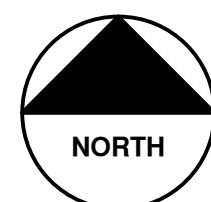
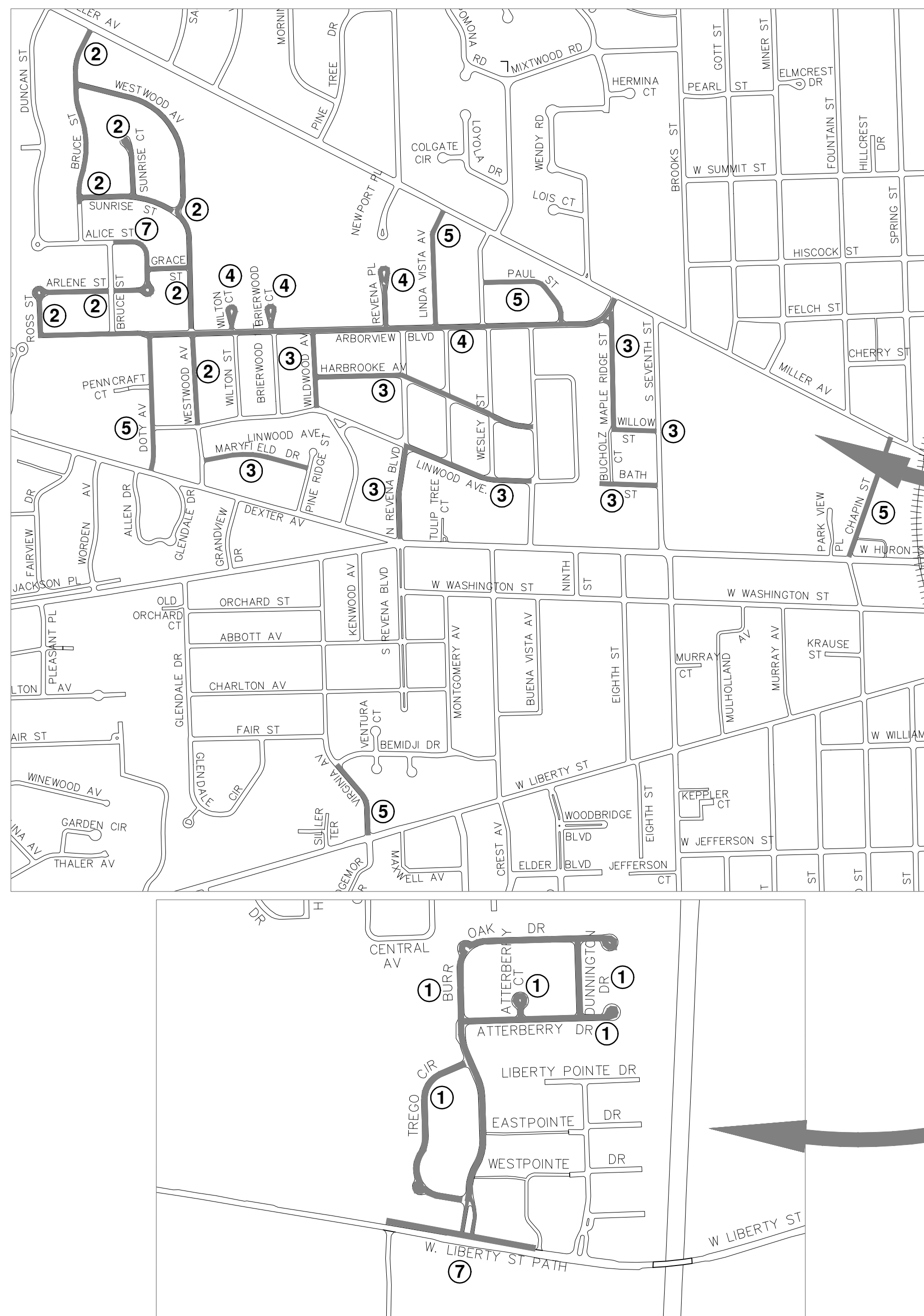
NOTES

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 1994 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.

RFP NO. 22-26, FILE No. 2022-004



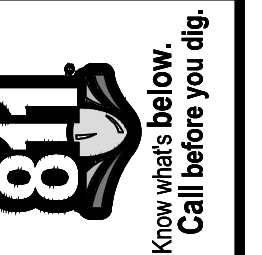
VICINITY MAP

SHEET INDEX		
SHEET NO.	TITLE	MAP INDEX NO. (THIS SHEET)
1	COVER SHEET	
2	NOTES AND MISCELLANEOUS QUANTITIES	
3	DETAILS	
4	SOIL EROSION AND SEDIMENTATION CONTROL (SESC) NOTES AND DETAILS	
5	LOCAL STREET TRAFFIC CONTROL-1	
6	LOCAL STREET TRAFFIC CONTROL-2	
	TRAFFIC CALMING DETAIL	
15-20	PHASE 1 - ATTERBERRY CT, ATTERBERRY DR, BURROAK DR, DUNNINGTON DR, TREGO CIR.	1
21-29	PHASE 2 - ALICE ST, ARLENE ST, BRUCE ST, GRACE ST, ROSS ST, SUNRISE CT, SUNRISE ST, WESTWOOD AVE.	2
30-38	PHASE 3 - BATH ST, HARBROOKE AVE, LINWOOD AVE, MAPLE RIDGE ST, MARYFIELD DR, N REVENA BLVD, WILDWOOD AVE, WILLOW ST	3
39-43	PHASE 4 - ARBORVIEW BLVD, BRIERWOOD CT, REVENA PL, WILTON CT	4
44-50	PHASE 5 - CHAPIN ST, DOTY AVE, LINDA VISTA ST, PAUL ST, VIRGINIA AVE, WILLARD ST	5
51	ARBOR HILLS NATURE AREA	6
52	W. LIBERTY RD	7
53	OAKBROOKDR	8
54	S. STATE STREET	9
55	E. EISENHOWER PKWY	10
56	WASHTENAW AVE	11

PREPARED UNDER THE SUPERVISION OF

DAVID ARTHUR DYKMAN, P.E. - MI LICENSE No. 52912
PROJECT MANAGER

02/20/2021
DATE



REV.	DATE	DESCRIPTION
00	3/9/2022	BID SET
		DRAWN
		AC/CE/OS
		DAD
		CHECKED

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



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-1
SHEET No. 1 OF 56

GENERAL NOTES:

1. 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.
2. The location and depth of all existing utilities and service leads are to be field verified by the Contractor prior to construction.
3. During non-working hours no more than ten (10) feet of trench shall remain open; any open trench shall be properly secured with protective fencing. This work shall be included in the items of work being undertaken and will not be paid for separately.
4. The location of material stock piles and on-site staging areas shall be approved by the Engineer.
5. For mainline HMA Paving, the width of the mat for each pass of the paver shall be not less than 10.5', nor greater than 16', except as noted in the plans and as directed by the Engineer. The Engineer will direct the layout of all HMA Longitudinal Joints during construction.
6. All excavation required to construct sidewalk and sidewalk ramps shall be included in the contract pay item "Grading, Sidewalk and Sidewalk Ramps".
7. Some storm sewer may unavoidably become damaged during construction, or it may be determined by the Engineer that existing storm sewer needs to be replaced. In either case the Engineer may direct the sewer to be removed and replaced. The removal of existing sewer and drainage structures, as required, shall be included in the respective contract pay items "Sewer, Rem, Less than 24 inch" and "Dr Structure, Rem". The replacement sewer shall be installed and paid for at the corresponding contract unit price, if contained within the contract, for the various types and sizes of sewer to be replaced.
8. The Contractor shall remove and stockpile on site at a location mutually agreed upon by the Contractor and Engineer any/all existing City owned structure covers designated for salvage, and within two days of their removal deliver them to the W.R. Wheeler Service Center (4251 Stone School Rd, Ann Arbor, MI). Any structure covers not designated for salvage shall become the property of the Contractor and disposed of, as required, by the Contractor.
9. Payment for drainage structure sumps where specified shall be included in the payment for the various drainage structures sizes and/or types.
10. Where 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.
11. Where storm sewer is to be removed and replaced or added, all pipe shall be installed using the utility trench details shown elsewhere in the plan sheets and/or detailed in the specifications. Trench Details I and V require the use of MDOT Class II Granular Material.
12. If the Contractor encounters existing edge drain(s) during construction of the proposed edge drains, inlet leads, or catch basins, it shall be capped at each end to prevent material from entering the pipe. The cost of this work will not be paid for separately, but shall be included in the particular item of work being performed when existing edge drain(s) are encountered.
13. In areas where edge drain cannot be installed in accordance with the details, the edge drain shall be installed at the depth as indicated on the plans, or as directed by the Engineer. In no case shall the edge drain be installed at a grade less than 0.50% or at a depth less than 6 inches above the invert of the lowest outlet pipe.
14. Existing street name signs, guide, bus stop, and regulatory signs 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 the contract pay item "Minor Traf Devices."
15. All curb, sidewalk, driveway approach removals shall be approved by the Engineer before the work is performed.
16. Place 4 inches (minimum) thickness Granular Material Class II compacted to 95% of its max. dry density under concrete sidewalk as shown on the details. This work shall be included in the contract item "Subbase, CIP."
17. Place 6 inches (minimum) Granular Material Class II compacted to 95% of its max. dry density under concrete driveway approaches, and 6 inches (minimum) Dense-Graded Aggregate 21AA compacted to 98% of its max. dry density under HMA driveway approaches. This work shall be included in the respective contract pay items "Subbase, CIP" and "Aggregate Base, 6 inch, Modified".
18. A uniform coat(s) of curing compound shall be applied according to the Standard Specifications and Special Provisions regardless of the difficulty involved. The Contractor shall take care to prevent overspray when applying curing compound. Several different methods may need to be developed to protect various situations, but all methods used to prevent overspray of the curing compound shall be completely effective. Methods used shall be approved by the Engineer prior to use, however approval of a method does not guarantee success or acceptability. No additional compensation shall be made for complying with these requirements.

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
EGLE 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

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		
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 GOODPELL (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



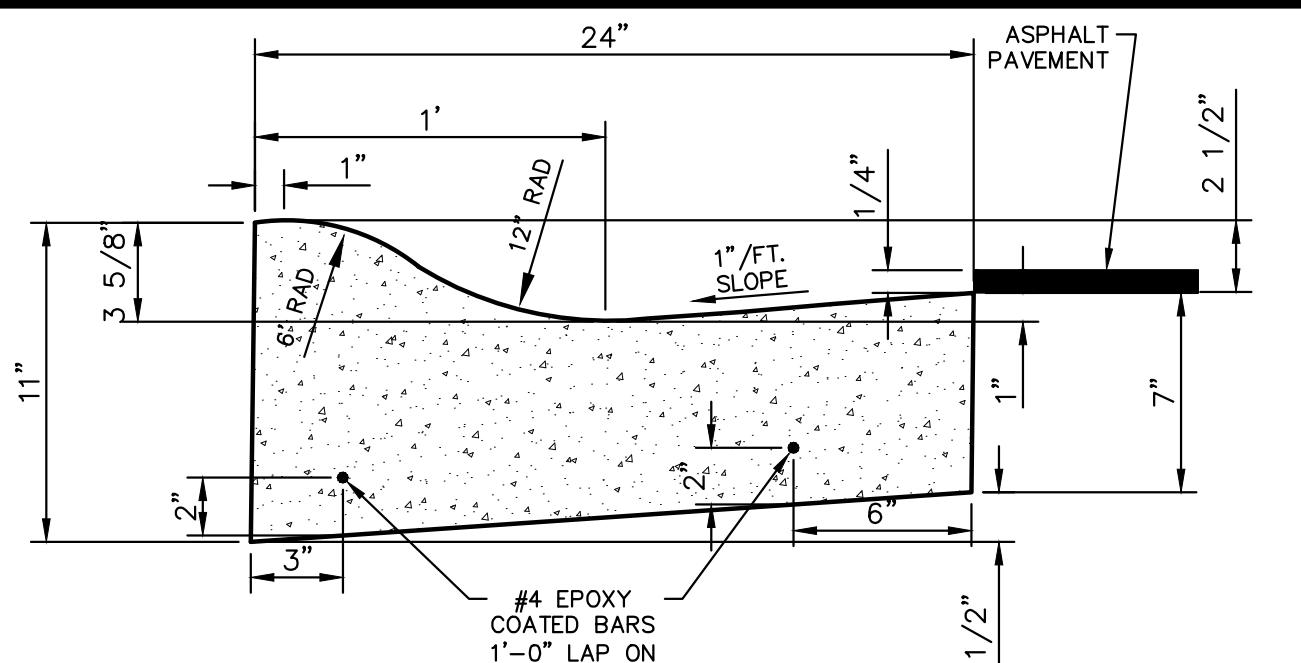
DATE	3/9/2022
DRAWN	AC/CE/OS
CHECKED	DAD
DESCRIPTION	
REV.	
BID SET	
DD	

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
734-794-6410
www.aagov.org



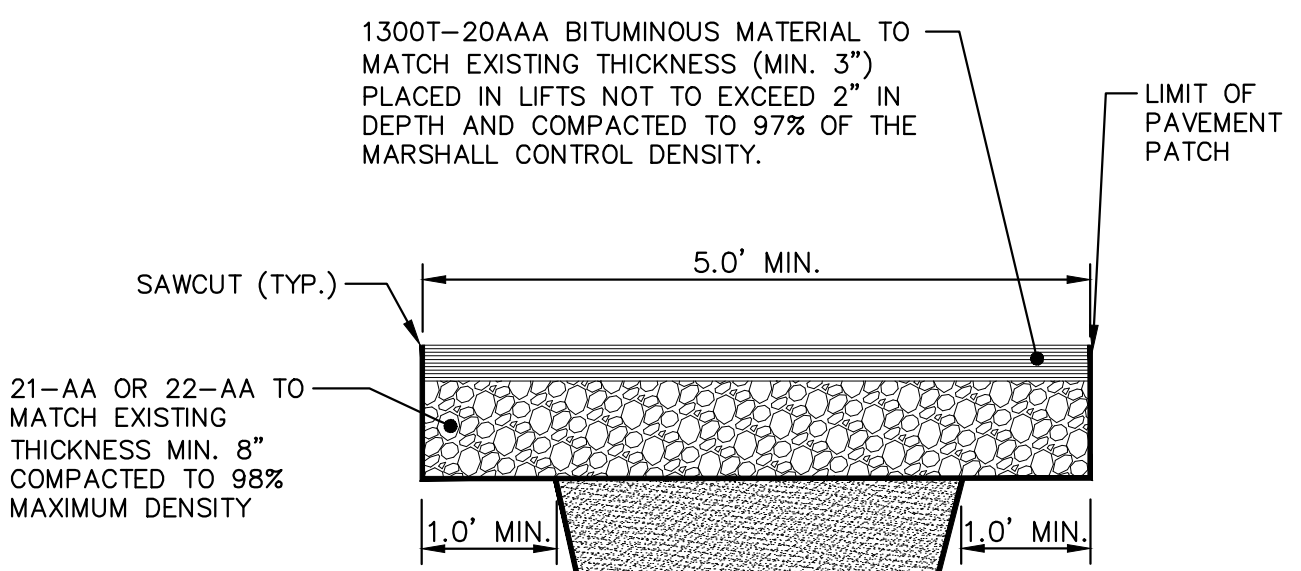
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
NOTES & MISCELLANEOUS QUANTITIES
SCALE: NTS
DRAWING No.
2022-004-2
SHEET No.
2 OF 56

T:\2022004\Plan Production\Cover Sheet.dwg - o2 standard bw.stb - Plot Date: 3/9/2022 10:57:45 AM



- NOTES:
- FRONT EDGE OF INLET CASTINGS SHALL BE FLUSH WITH FRONT EDGE OF GUTTER (EDGE-OF-METAL).
 - THIS DETAIL SHALL BE USED FOR MOUNTABLE CURB AND GUTTER ON ASPHALT STREETS. SEE SD-R-3 FOR MOUNTABLE CURB AND GUTTER ON CONCRETE STREETS.

MOUNTABLE CURB & GUTTER FOR ASPHALT STREETS SD-R-2



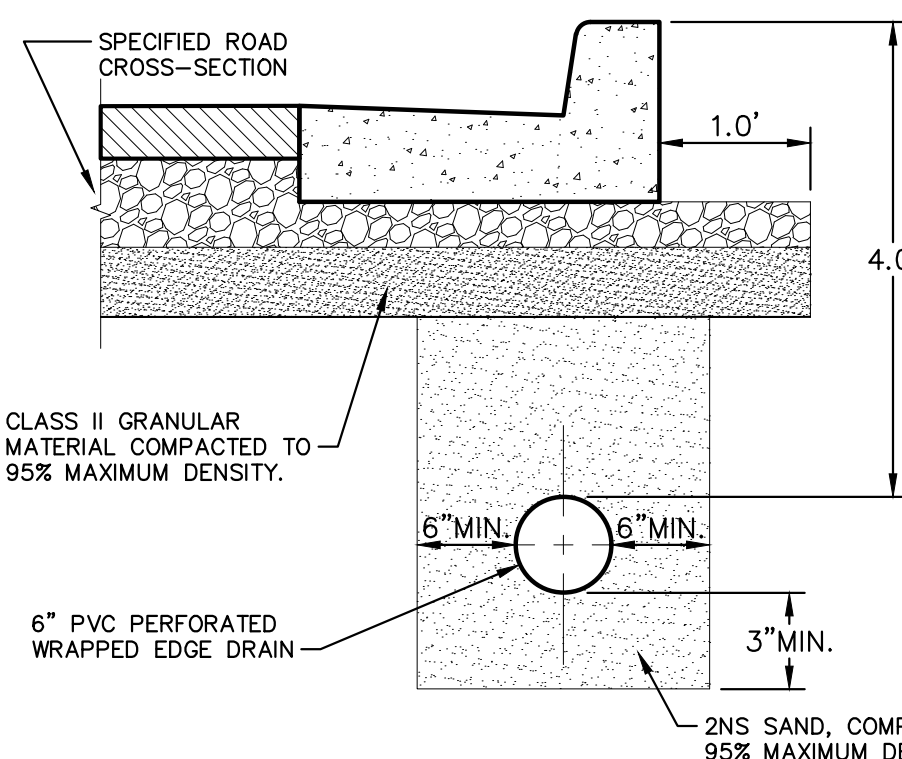
CLASS II GRANULAR MATERIAL COMPACTED TO 95% MAXIMUM DENSITY PER CITY OF ANN ARBOR STANDARDS (SEE DIVISION IV REGARDING BACKFILL FOR PVC SEWERS)

MINIMUM PIPE BEDDING PER CITY OF ANN ARBOR SPECIFICATION (4" MIN.)

MINIMUM TRENCH WIDTH PER CITY OF ANN ARBOR STANDARDS

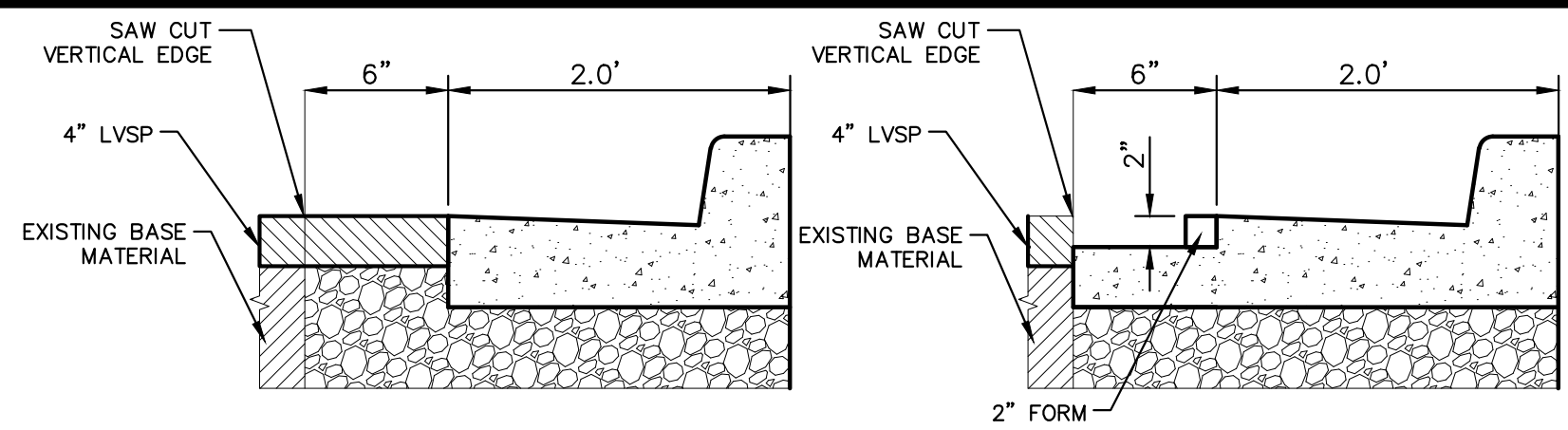
- NOTES:
- DENSITY TESTING PER CITY ANN ARBOR SPECIFICATION
 - TRENCH DETAILS SHOW TYPE OF BACKFILL AND SURFACE RESTORATION ONLY.
 - ALL TRENCHING TO CONFORM TO ALL APPLICABLE M.I.O.S.H.A. STANDARDS

UTILITY TRENCH-TYPE I SD-TD-1 (UNDER BITUMINOUS SURFACE)



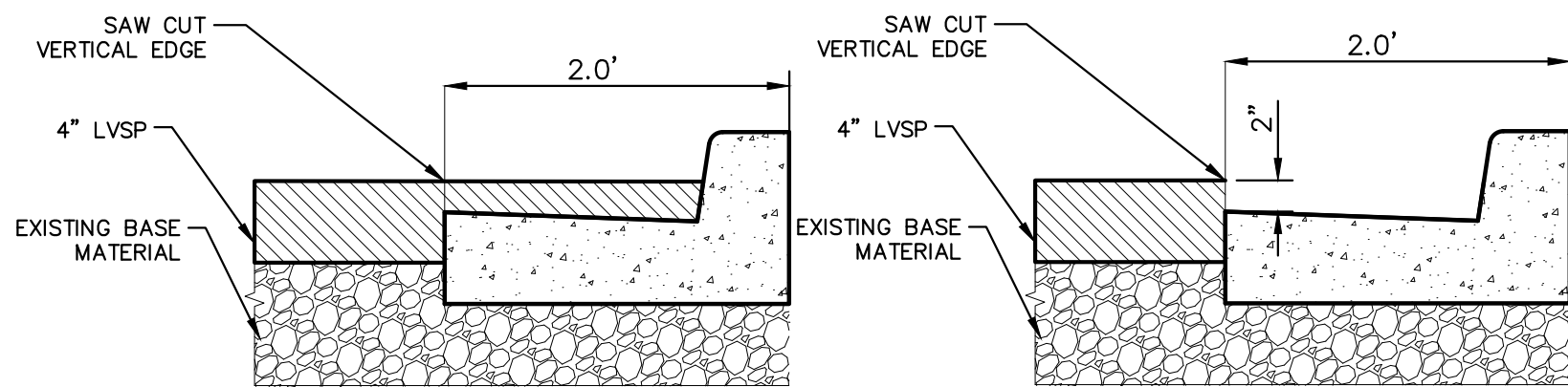
- NOTES:
- FOR PAVEMENT BASE AND SUBBASE THICKNESS, SEE TYPICAL PAVEMENT CROSS-SECTION.
 - DENSITY TESTING PER CITY OF ANN ARBOR SPECIFICATIONS.
 - TRENCH DETAILS SHOW TYPE OF BACKFILL AND SURFACE RESTORATION, ONLY.
 - ALL TRENCHING TO CONFORM TO ALL APPLICABLE M.I.O.S.H.A. STANDARDS.

TYPICAL EDGE DRAIN TRENCH SD-TD-10



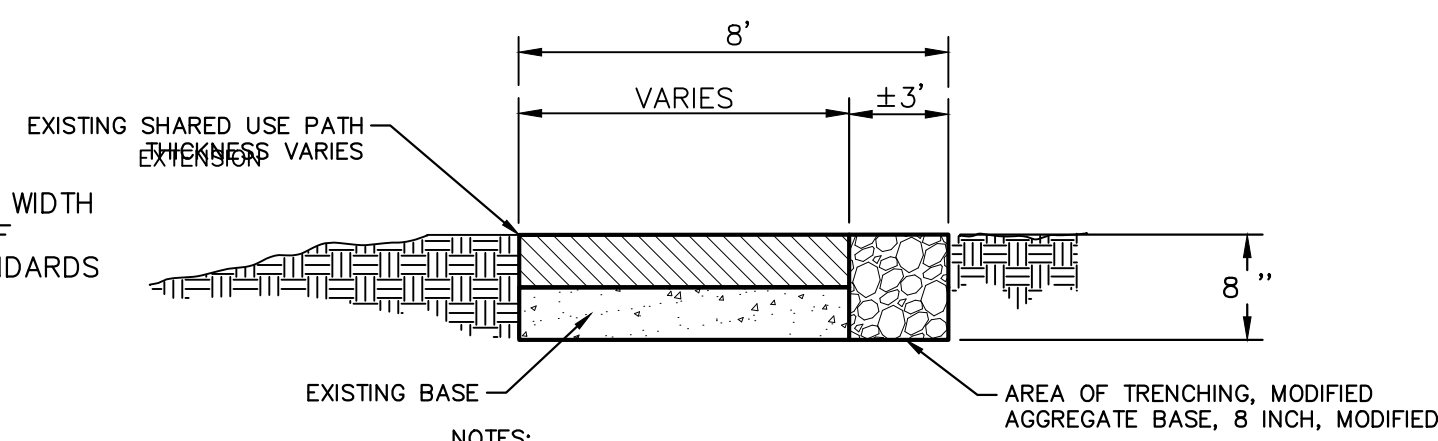
- NOTES:
- SAWCUT A VERTICAL EDGE 2.5' FROM BACK OF CURB.
 - REMOVE CURB AND 6" OF HMA INFRONT OF CURB.
 - EXCAVATE DOWN TO OBTAIN GRADE FOR FULL WIDTH OF TRENCH.
 - PLACE BACK FORMS AT 2' FROM THE BACK FORM ALLOWING A 2" FORM (TOP OF FORM TO BE FLUSH WITH WHERE EDGE OF METAL IS TO BE AT THE CORRECT ELEVATION ALLOWING TO CREATE A 2" STEP). POUR CONCRETE MONOLITHICALLY OUT TO THE EXISTING HMA LEAVING IT 2" DOWN FROM THE NEW EDGE OF METAL AND THE EXISTING HMA
 - ANY NON VERTICAL EDGES WILL BE APPROVED BY INSPECTION PRIOR TO POURING CURB, THE NEED TO SAW CUT TO CLEAN UP THE EDGE MAY BE NEEDED.

CURB REMOVAL & REPLACE NON-OVERLAID MODIFIED



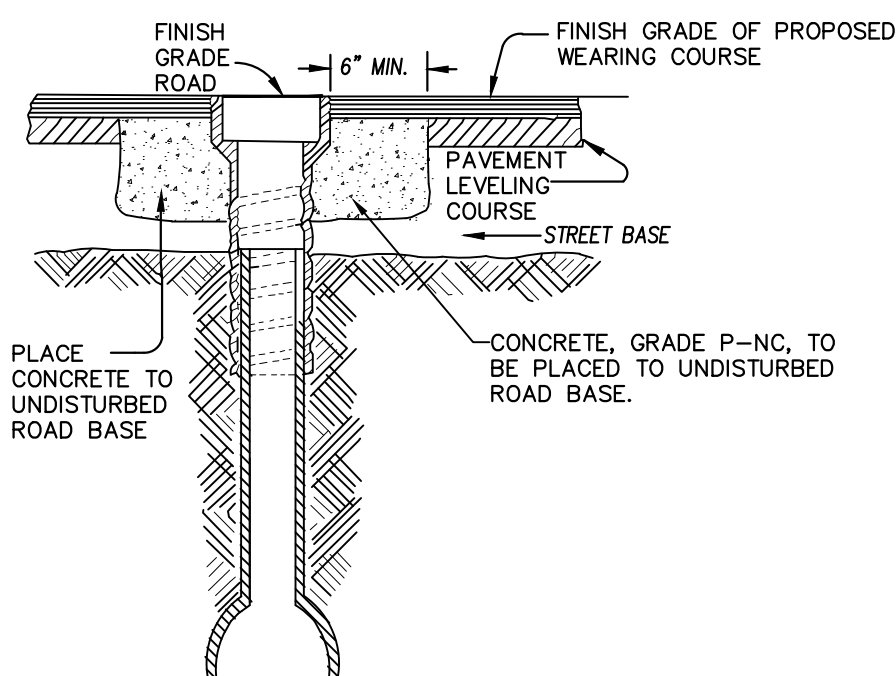
- NOTES:
- SAWCUT A VERTICAL EDGE 2' FROM BACK OF CURB.
 - REMOVE CURB THIS INCLUDES THE HMA IN GUTTER-PAN.
 - EXCAVATE DOWN TO OBTAIN GRADE FOR FULL WIDTH OF EXISTING SAW CUT TAKING CARE NOT TO DAMAGE THE HMA EDGE.
 - PLACE BACK FORMS TO ALIGN WITH EXISTING CURB ON EACH SIDE, POUR CONCRETE USING THE HMA EDGE AS A FORM LEAVING THE CONCRETE A MINIMUM OF 2" DOWN FROM EXISTING HMA ROAD GRADE, UNLESS OTHERWISE DIRECTED BY THE PROJECT MANAGER.
 - ANY NON VERTICAL EDGES WILL BE APPROVED BY INSPECTION PRIOR TO POURING CURB, THE NEED TO SAW CUT TO CLEAN UP THE EDGE MAY BE NEEDED.

CURB REMOVAL & REPLACE OVERLAID MODIFIED



- NOTES:
- PATH TRENCHING WIDTH MAY VARY. PERFORM TRENCHING CONSTRUCTION TO PROVIDE FOR A UNIFORMED 8 FOOT WIDE SHARED USE PATH SURFACE.
 - PERFORM TRENCHING EXCAVATION TO A DEPTH OF 8 INCHES FROM THE TOP OF EXISTING HMA PATH.
 - PLACE 8 INCHES OF 21AA AGGREGATE COMPACTED TO 98% MAXIMUM DENSITY.
 - PERFORM DENSITY TESTING PER CITY OF ANN ARBOR SPECIFICATIONS.

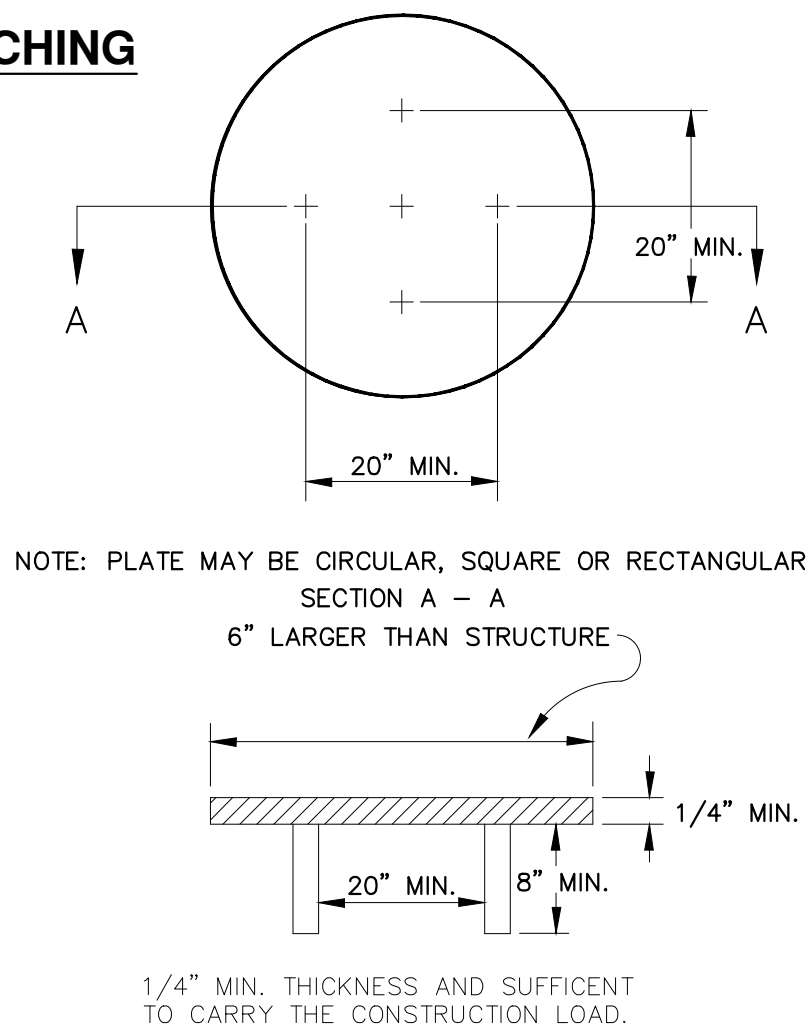
SHARED USE PATH TRENCHING



NOTE: RAISE CASTING TO PROPOSED FINISH STREET GRADE AFTER PLACEMENT OF LEVELING COURSE(S) AND PRIOR TO PLACING FINAL SURFACE COURSE

CITY OF ANN ARBOR STANDARD SD-GU-7 APPLIES TO: SEE PLANS FOR LOCATIONS

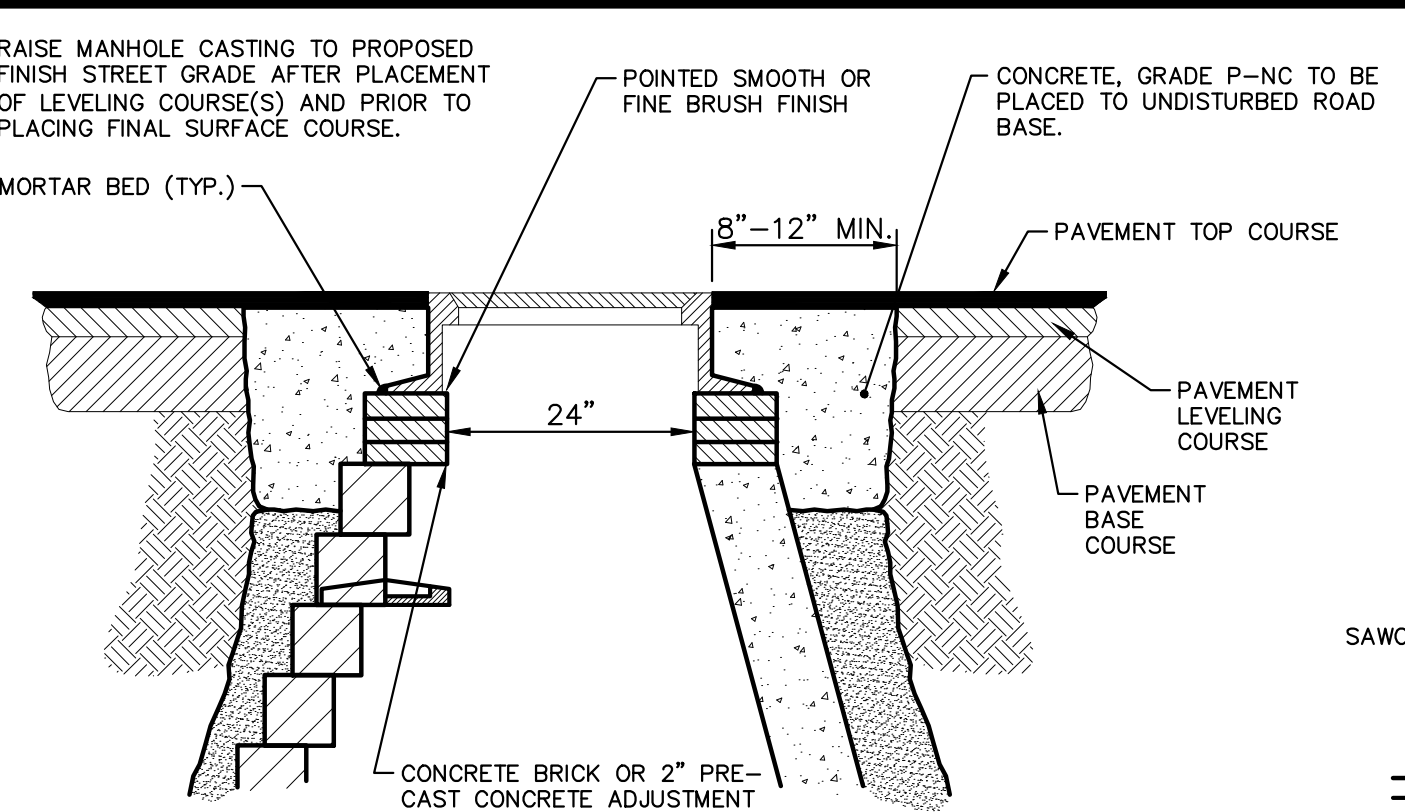
WATER VALVE BOX ADJUSTMENT



NOTE: PLATE MAY BE CIRCULAR, SQUARE OR RECTANGULAR SECTION A - A 6" LARGER THAN STRUCTURE

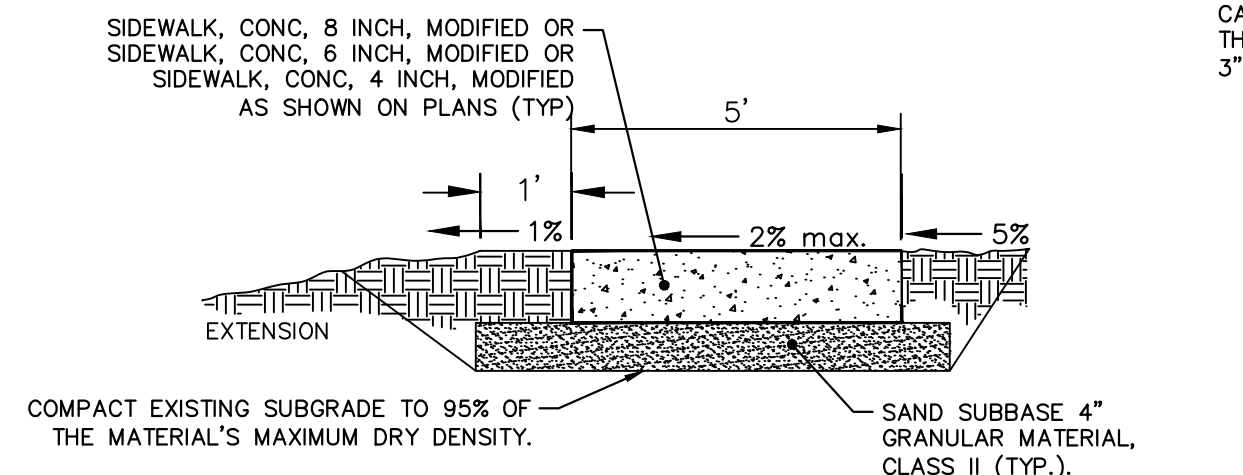
1/4" MIN. THICKNESS AND SUFFICIENT TO CARRY THE CONSTRUCTION LOAD.

STRUCTURE PLATE

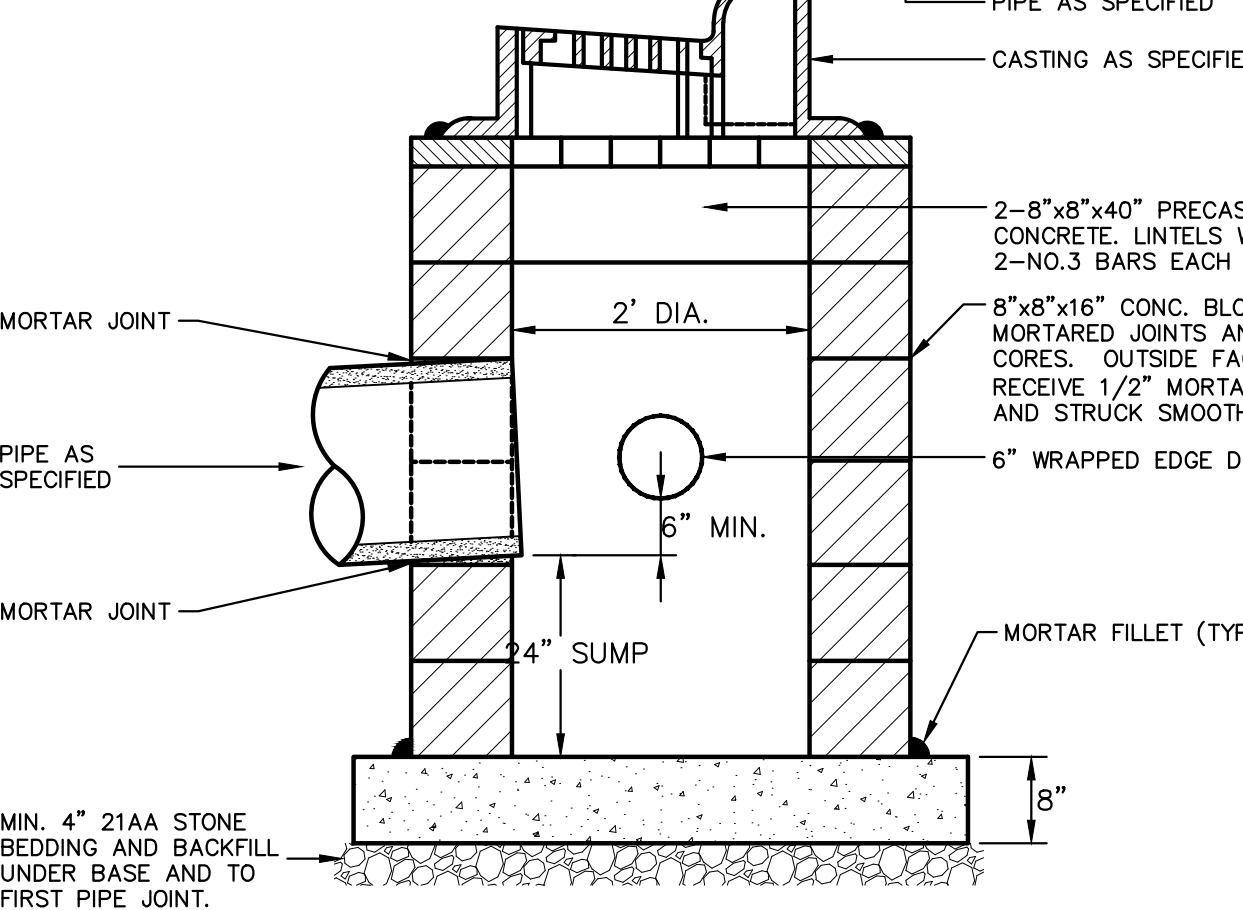
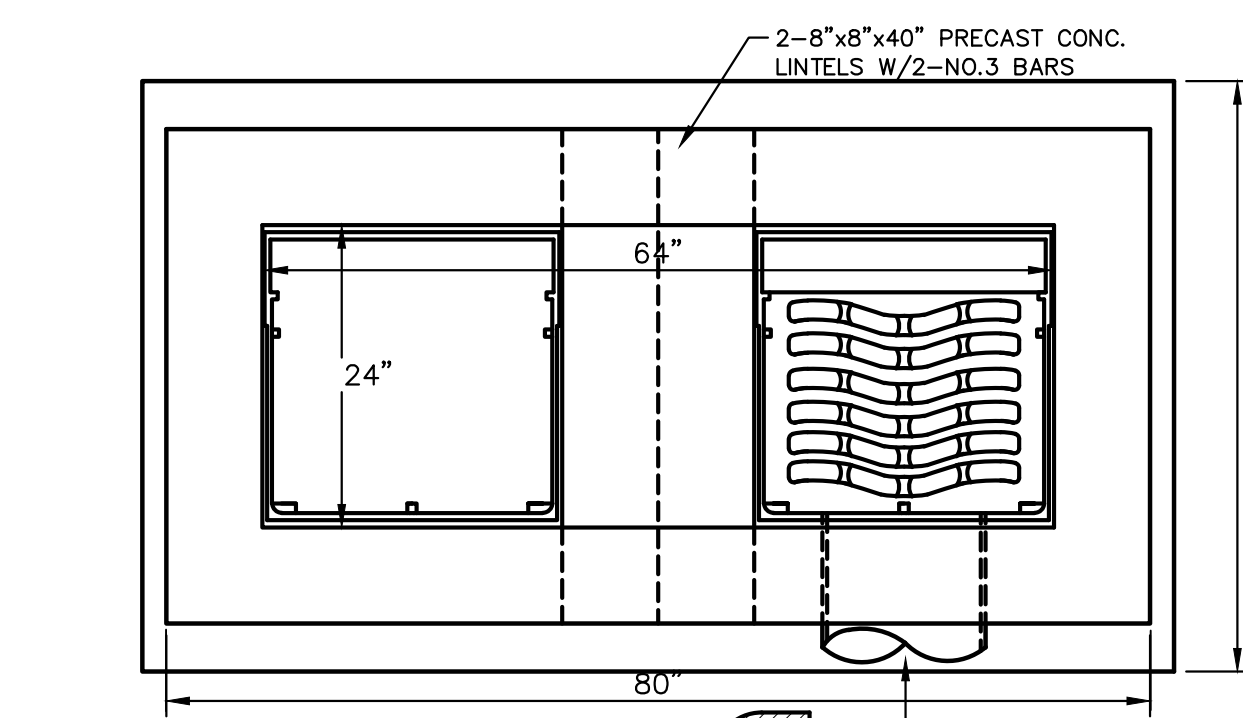


NOTE: IF MANHOLE WILL BE PLACED IN GRAVEL ROAD, CASTING TO BE SET 6" TO 8" BELOW ROADWAY GRADE. ALL CONSTRUCTION METHODS SHALL REMAIN AS SHOWN ABOVE.

MANHOLE CASTING ADJUSTMENT SD-GU-6

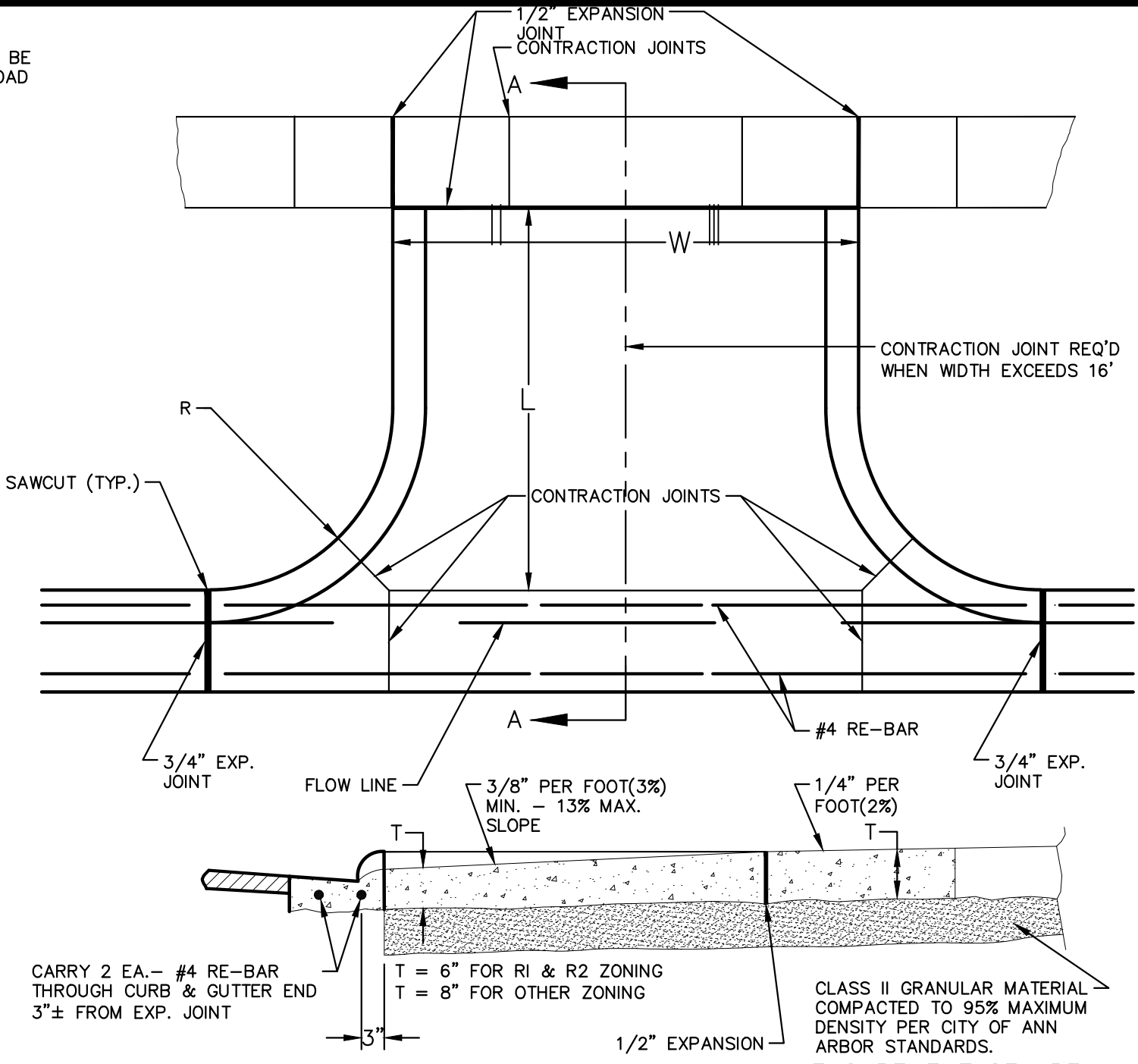


TYPICAL 5 FT SIDEWALK SECTION



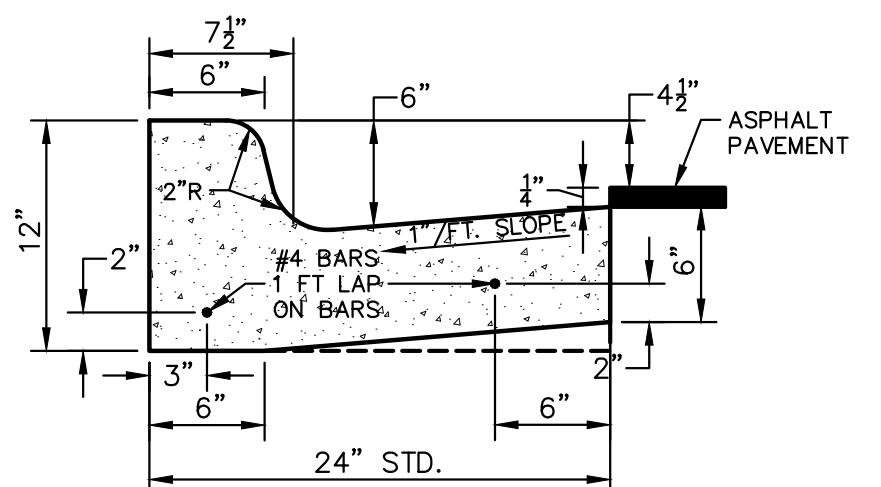
- NOTES:
- FRONT EDGE OF INLET CASTINGS SHALL BE FLUSH WITH THE FRONT EDGE OF GUTTER (EDGE-OF-METAL)
 - 2' SUMP REQUIRED ON ALL DRAINAGE STRUCTURES

DOUBLE INLET STRUCTURE SD-S-11

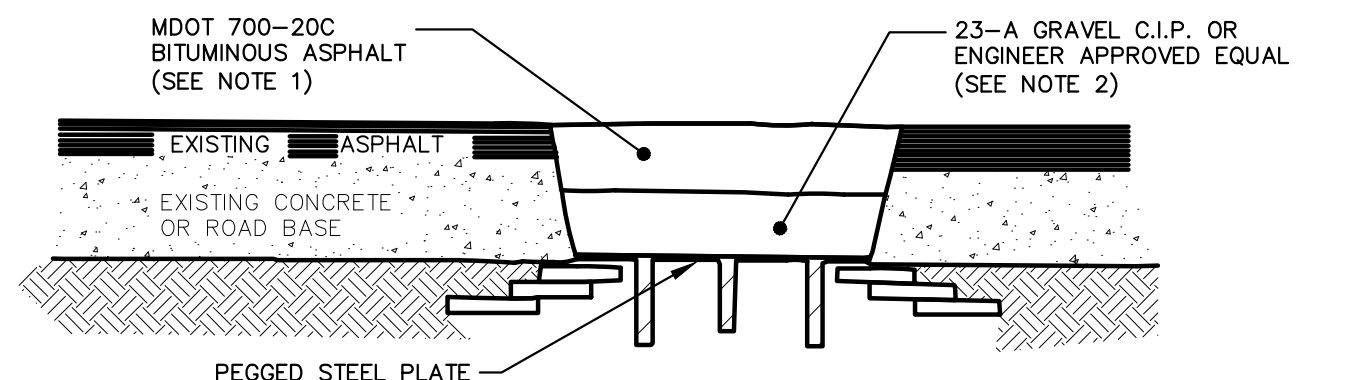


- NOTE:
- DRIVE APPROACH TO BE CLASS 'A' CONCRETE.
 - R(RADIUS) AND W(DRIVE WIDTH) AS REQUIRED FOR ZONING BY CITY CODE
 - IF GUTTER IS OVERLAPPED, GUTTER OF THE APPROACH SHALL BE AT SAME ELEVATION AS EXISTING GUTTER AND ASPHALT WEDGE SHALL BE PLACED IN THE APPROACH.

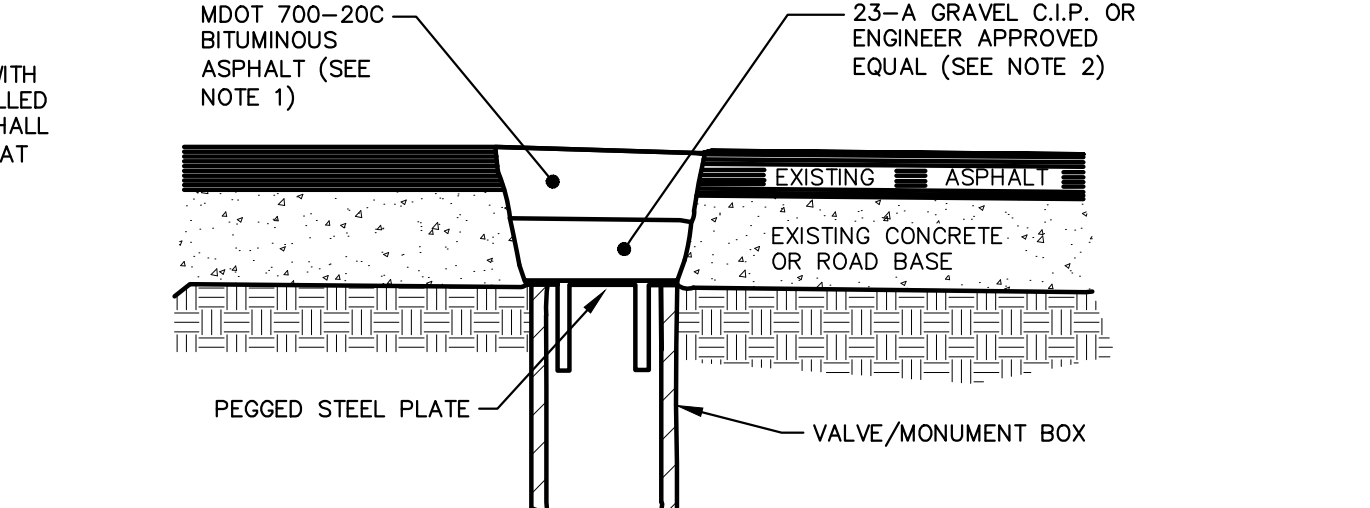
TYPE 'M' DRIVE APPROACH SD-R-6



BARRIER CURB AND GUTTER SD-R-1



MANHOLE LOWERING DETAIL



VALVE BOX/MONUMENT BOX LOWERING DETAIL

- NOTES:
- IF TRAFFIC IS TO BE MAINTAINED ON THE ROADWAY BEFORE OR AFTER THE COLD MILLING OPERATION, THE STRUCTURE SHALL BE LOWERED TO THE EXTENT THAT A MINIMUM OF THREE(3) INCHES ASPHALT MATERIAL MDOT 700-20C. OR ENGINEER APPROVED EQUAL, REMAINS -TO SUPPORT TRAFFIC.
 - IF THE ROADWAY BEING MILLED IS CLOSED TO TRAFFIC, THE STRUCTURE SHALL BE LOWERED SUCH THAT THE STEEL PLATE IS A MINIMUM OF FOUR(4) INCHES BELOW THE PROPOSED ROAD GRADE AND THE RESULTING VOID SHALL BE FILLED WITH COMPACTED 23-A GRAVEL OR ENGINEER APPROVED EQUAL.
 - WHERE A MONUMENT IS TO BE LOWERED, THE CONTRACTOR SHALL GIVE THE ENGINEER A MINIMUM OF 48 HOURS WRITTEN NOTICE SO THAT THE MONUMENT CAN BE PROPERLY WITNESSED OR PROTECTED. FAILURE TO DO SO SHALL RESULT IN THE ENGINEER REPLACING SAID MONUMENT AT THE CONTRACTORS EXPENSE.

MANHOLE & VALVE/MONUMENT BOX LOWERING

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

CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET ANN ARBOR MI 48106-1000 TEL: 734/794-6410 WWW.A2GOV.ORG

CITY OF ANN ARBOR PUBLIC SERVICES - ENGINEERING STREET RESURFACING PROJECT - 2022

SCALE: NTS DRAWING No. 2022-004-3 SHEET No. 3 OF 56

NO.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

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.

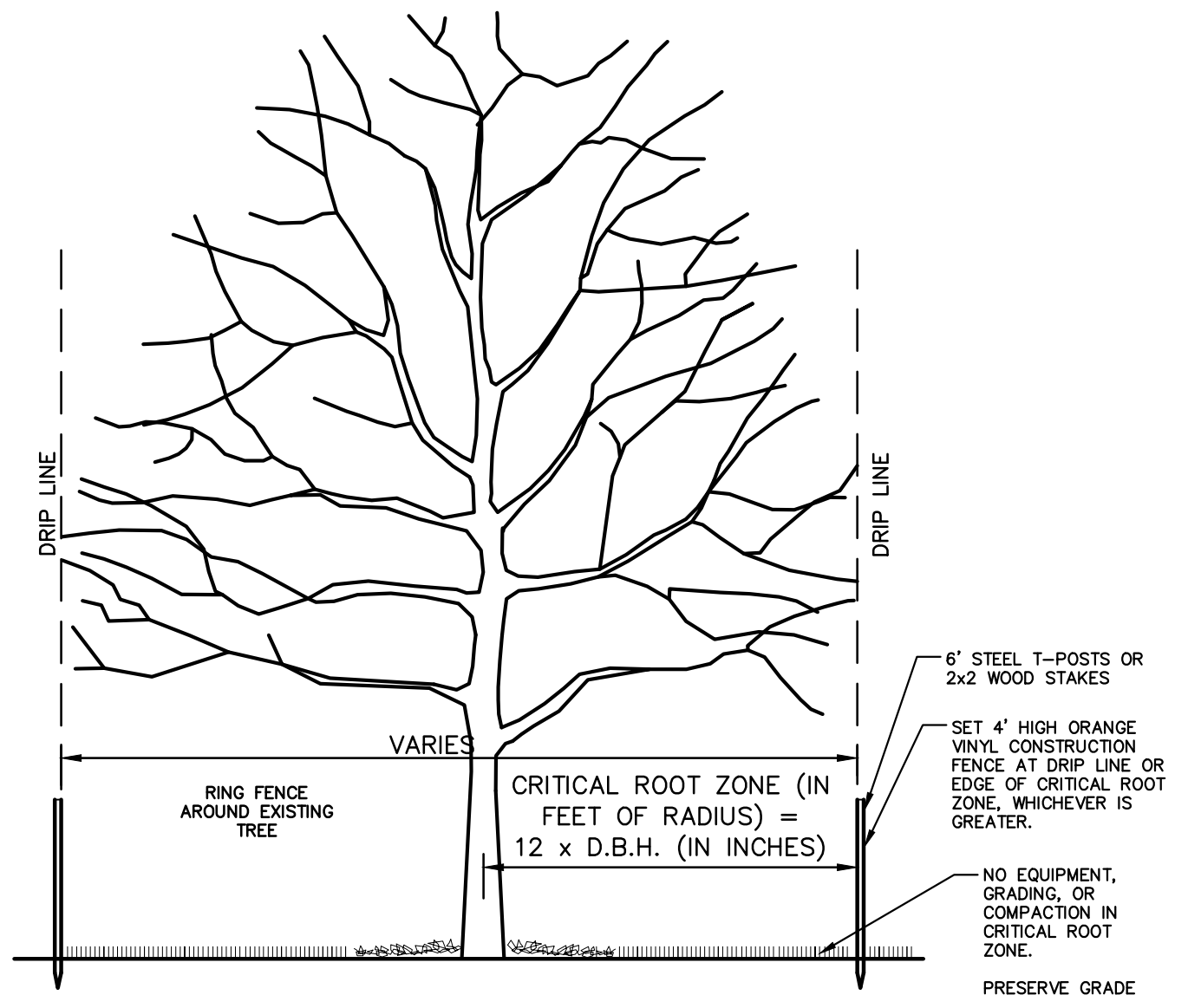
- TEMPORARY SEED AND INSTALL EROSION CONTROL BLANKET IN ALL DISTURBED AREAS.
- REFER TO LANDSCAPE PLANTING PLANS FOR PERMANENT SITE STABILIZATION.
- CLEAN OUT STORM SEWER SYSTEMS.
- REMEDY ANY NOTED DEFECTS TO THE SATISFACTION OF THE CITY OF ANN ARBOR'S SOIL EROSION AND SEDIMENTATION CONTROL OFFICIAL.
- 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.

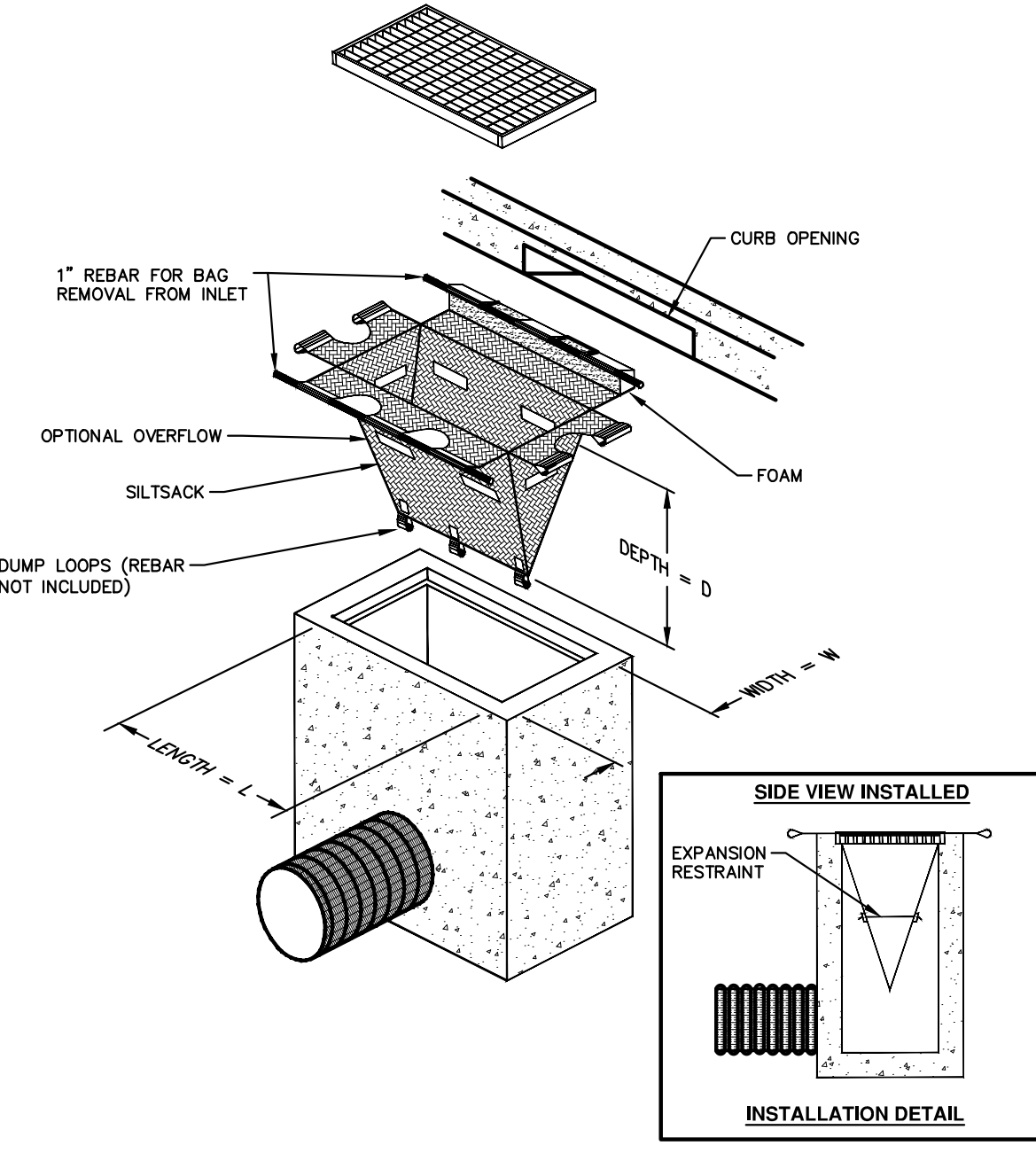
- TEMPORARY SEEDING:**
- SEED IN ACCORDANCE WITH PROJECT DRAWINGS AND SPECIFICATIONS.
 - ANY DISTURBED AREA NOT PAVED, SEEDED, MULCHED, SODDED OR BUILT UPON BY NOVEMBER 15TH OR JUNE 30TH IS TO BE TEMPORARILY STABILIZED PER SPECIFICATIONS.
- THE ESTIMATED COST OF SOIL EROSION AND SEDIMENTATION CONTROL MEASURES, TOPSOIL, SEEDING, AND MULCH = \$35,000.
- ESTIMATE OF EXCAVATION AND FILL FROM EXISTING TO FINAL GRADE:
- EXCAVATION = 400 CY, FILL = 250 CY

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
- S1B - ST. CLAIR CLAY LOAM, 2% TO 6% SLOPES
- WcA - WAWASEE LAOM, 2% TO 6% SLOPES



TREE PROTECTION SD-L-3



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)

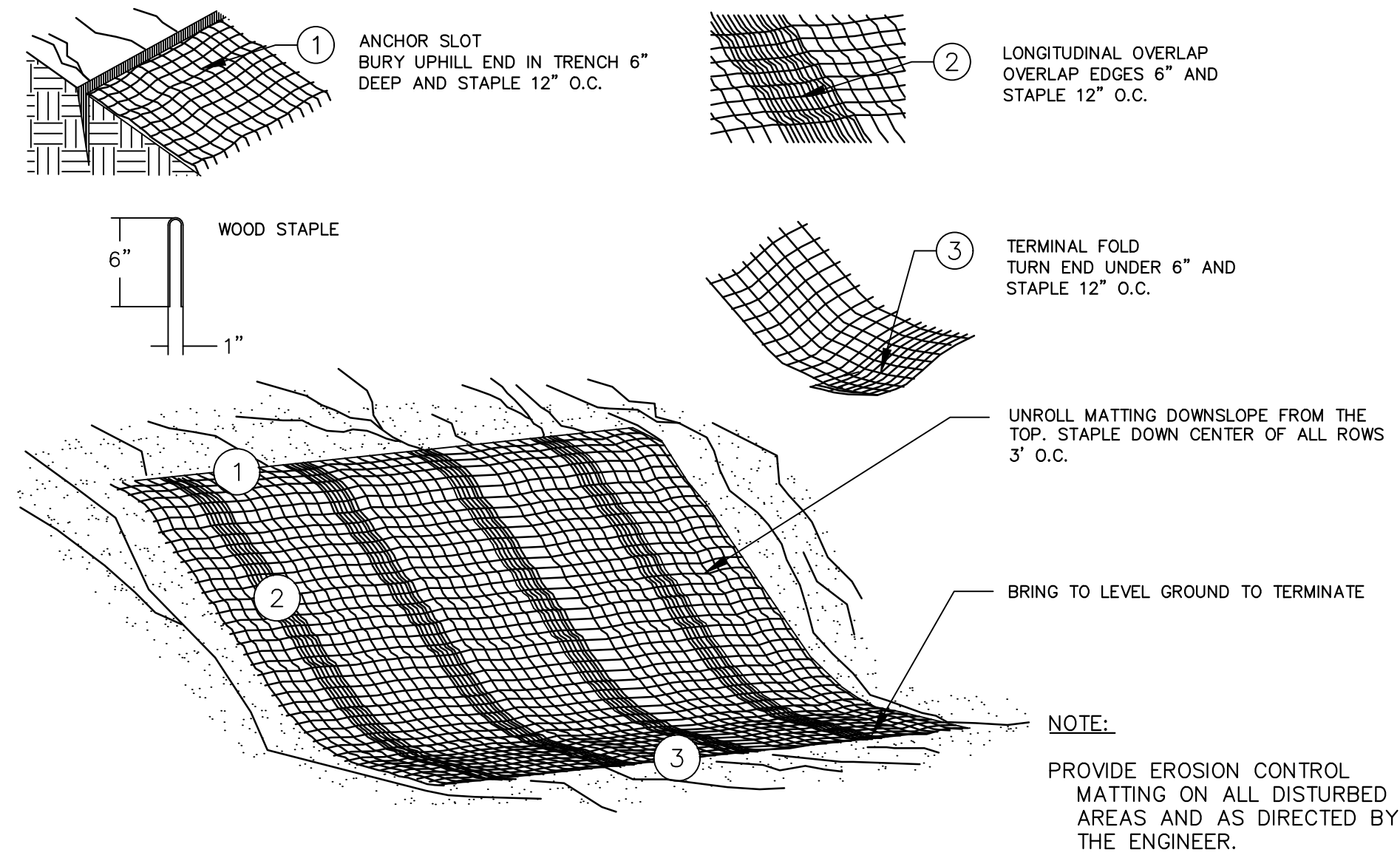
PROPERTIES	REQUIRED VALUE	TEST METHOD
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80%
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	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)

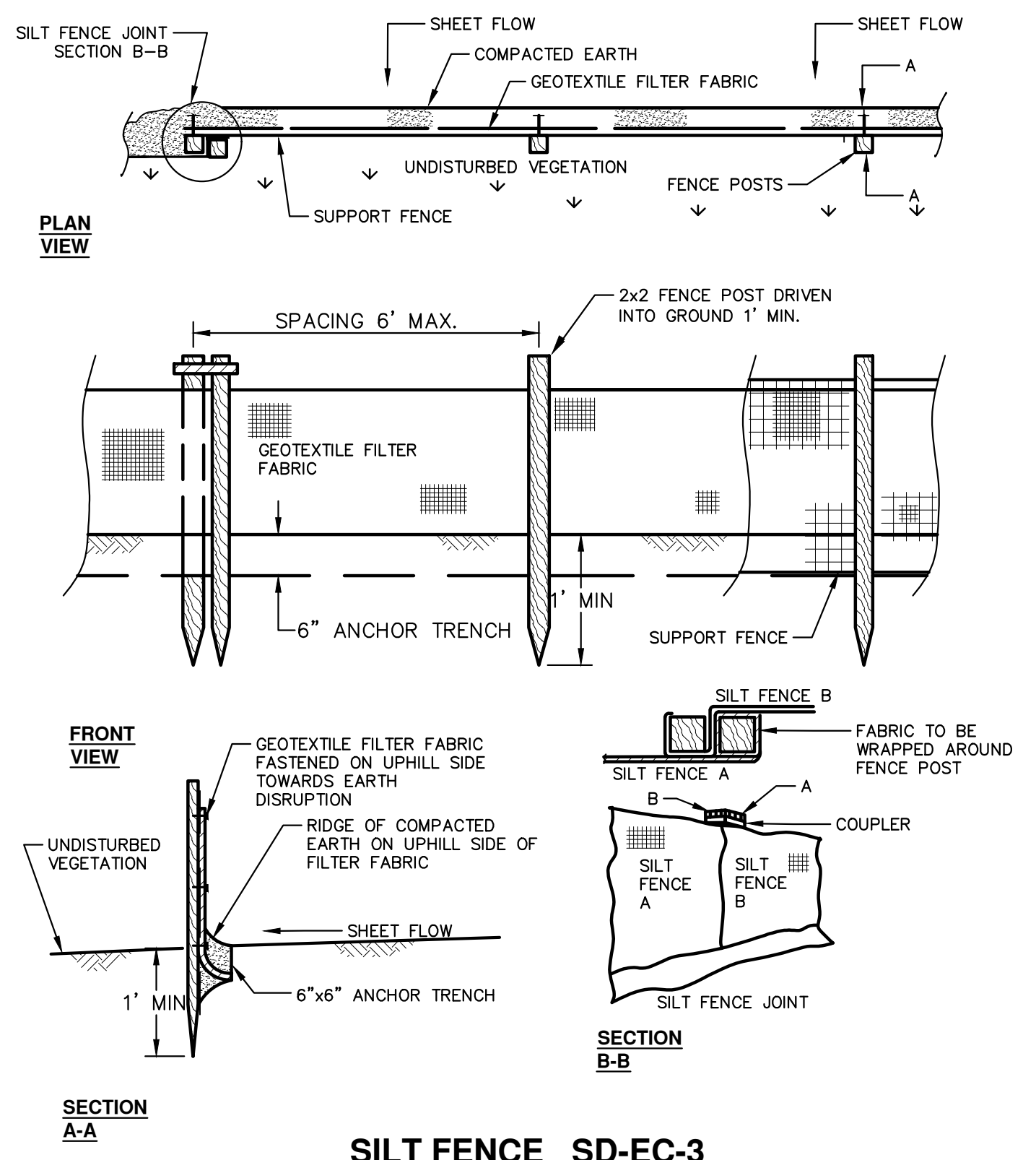
PROPERTIES	REQUIRED VALUE	TEST METHOD
GRAB TENSILE STRENGTH	ASTM D-4632	285 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90%
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	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 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

T:\2022004\Plan Production\Cover Sheet.dwg Dwg Created: 9-Mar-22 11:02:10 Plot Date: 9-Mar-22

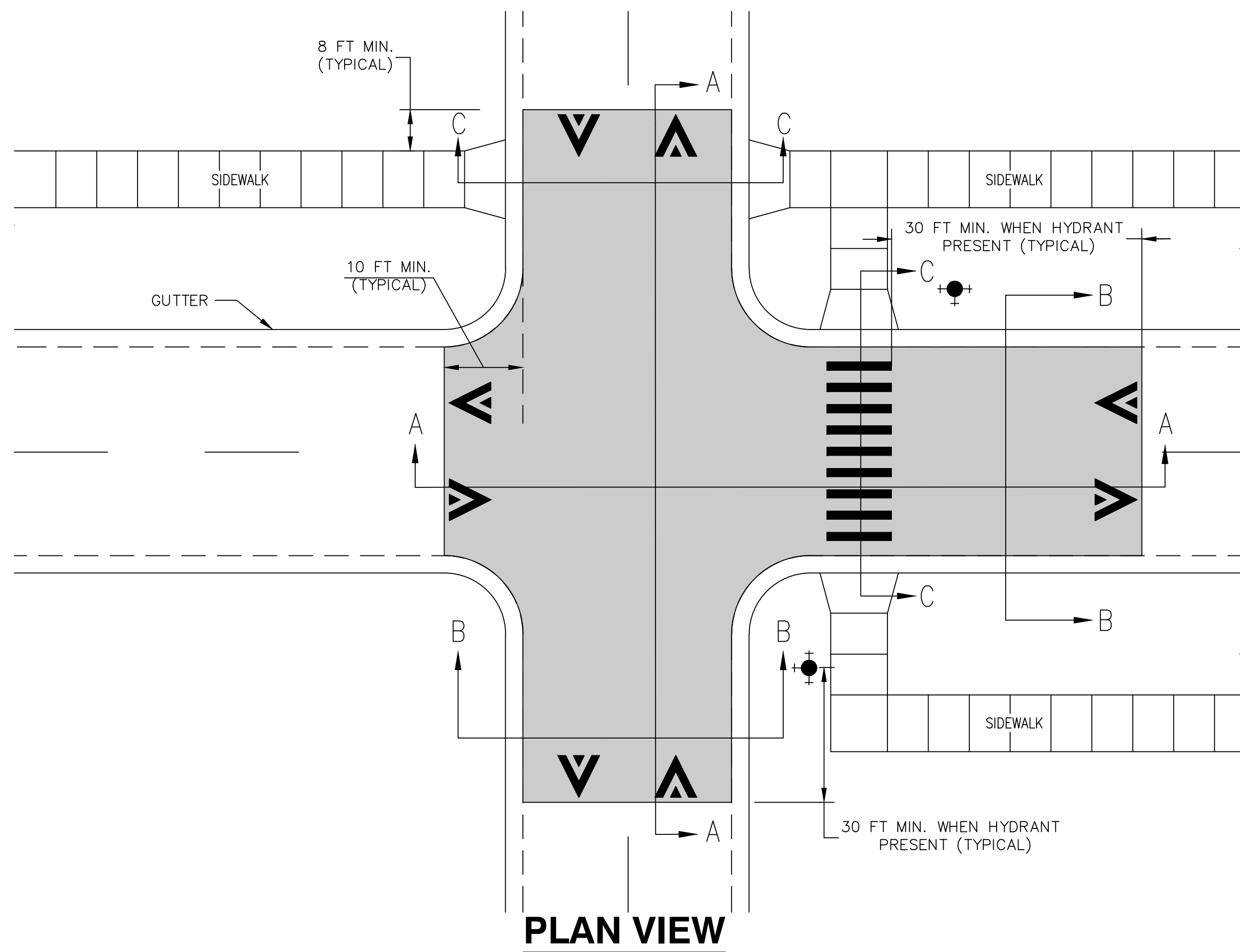
REV.	DATE	DESCRIPTION
00	3/9/2022	BID SET
		DRAWN
		CHECKED

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
 STREET RESURFACING PROJECT - 2022

SESC NOTES AND DETAILS

DRAWING No. 2022-004-4
 SHEET No. 4 OF 56

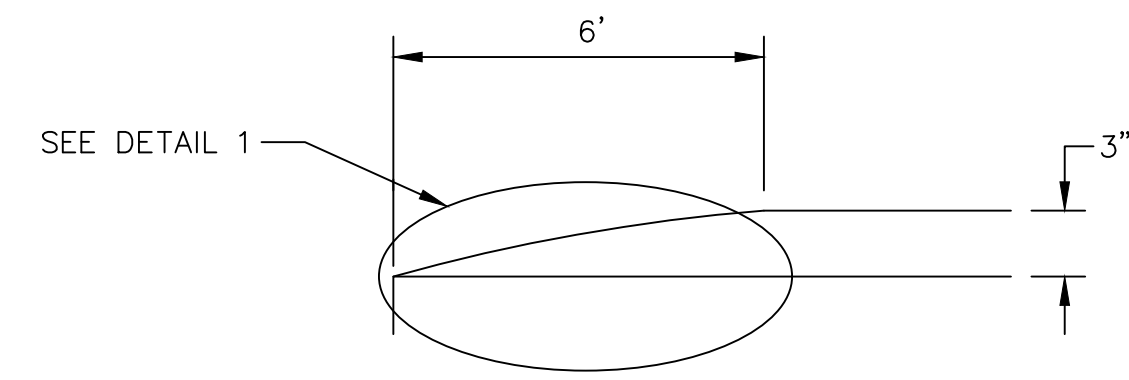
T:\2022004\Plan Production\Traffic Calming Detail.dwg Dwg Created: 14-Feb-22 -- _a2 standard bw.stb -- Plot Date: 9-Mar-22



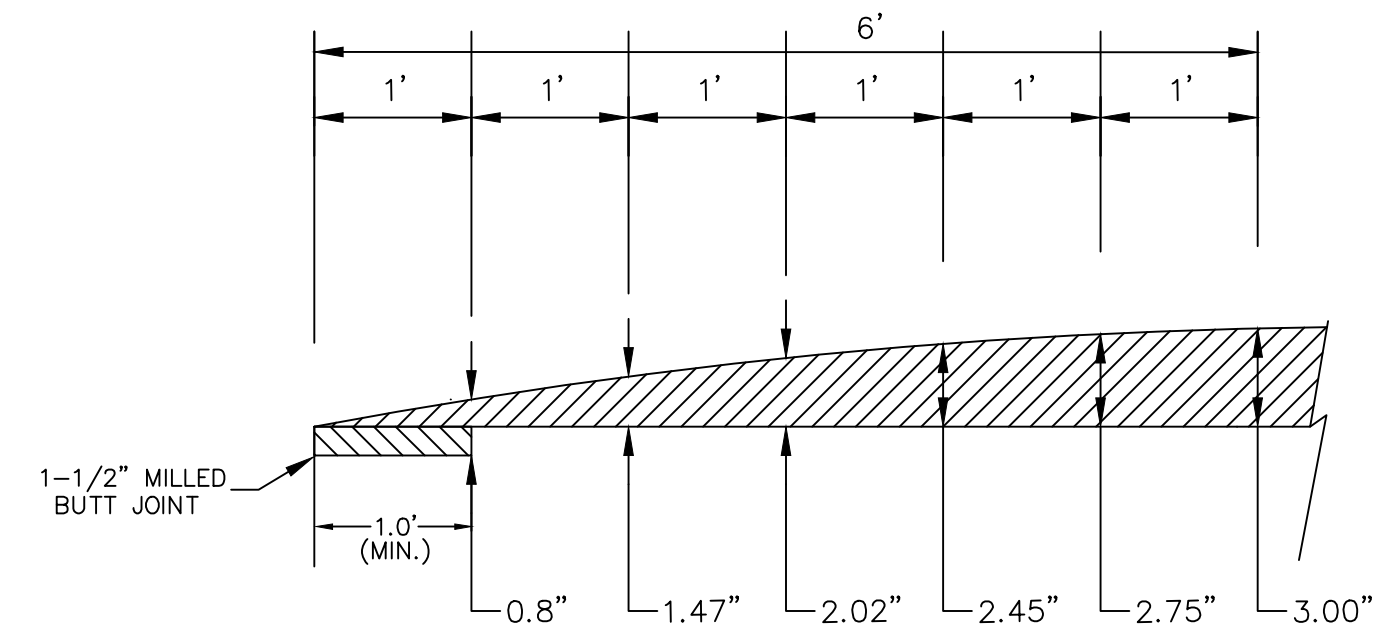
PLAN VIEW

GENERAL NOTES

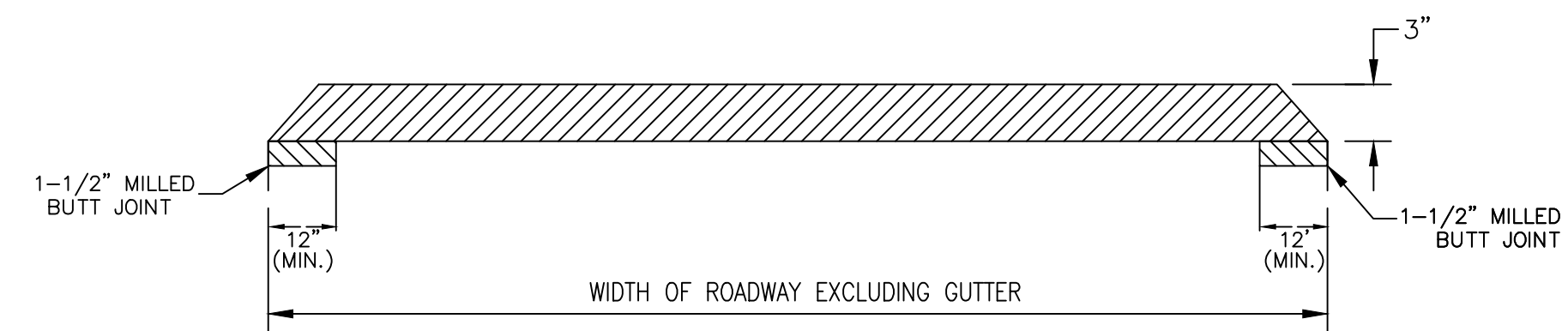
1. RAISED INTERSECTIONS SHALL FOLLOW THE SAME TAPER REQUIREMENT AS THE SPEED HUMPS DETAILED HEREIN.
2. PAYMENT FOR PAVEMENT MARKINGS FOR SPEED HUMPS AND RAISED INTERSECTIONS SHALL BE INCLUDED IN THE RESPECTIVE BID ITEMS AND SHALL NOT BE PAID FOR SEPARATELY.



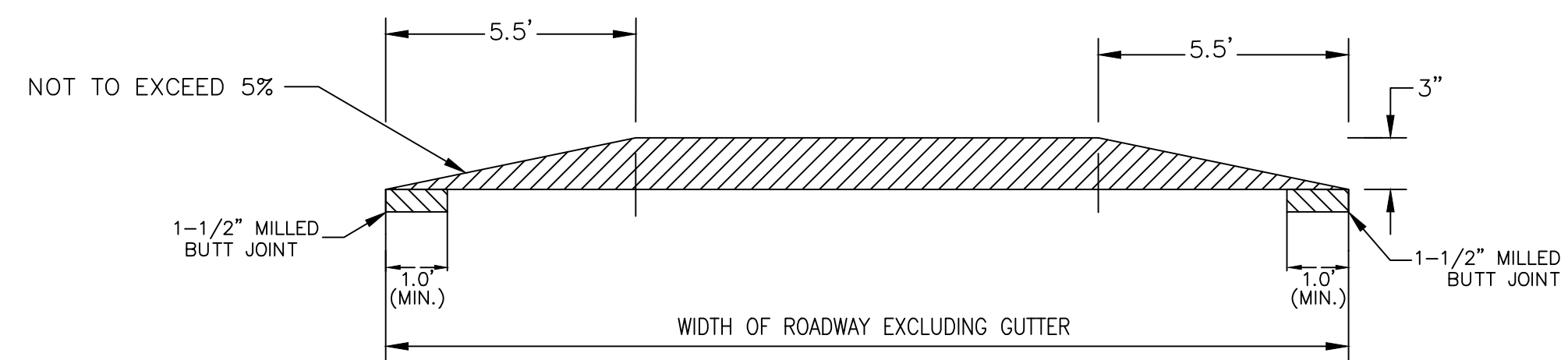
SECTION AA



DETAIL 1



SECTION BB



SECTION CC

HMA RAISE INTERSECTION DETAIL

SCALE: NOT TO SCALE



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

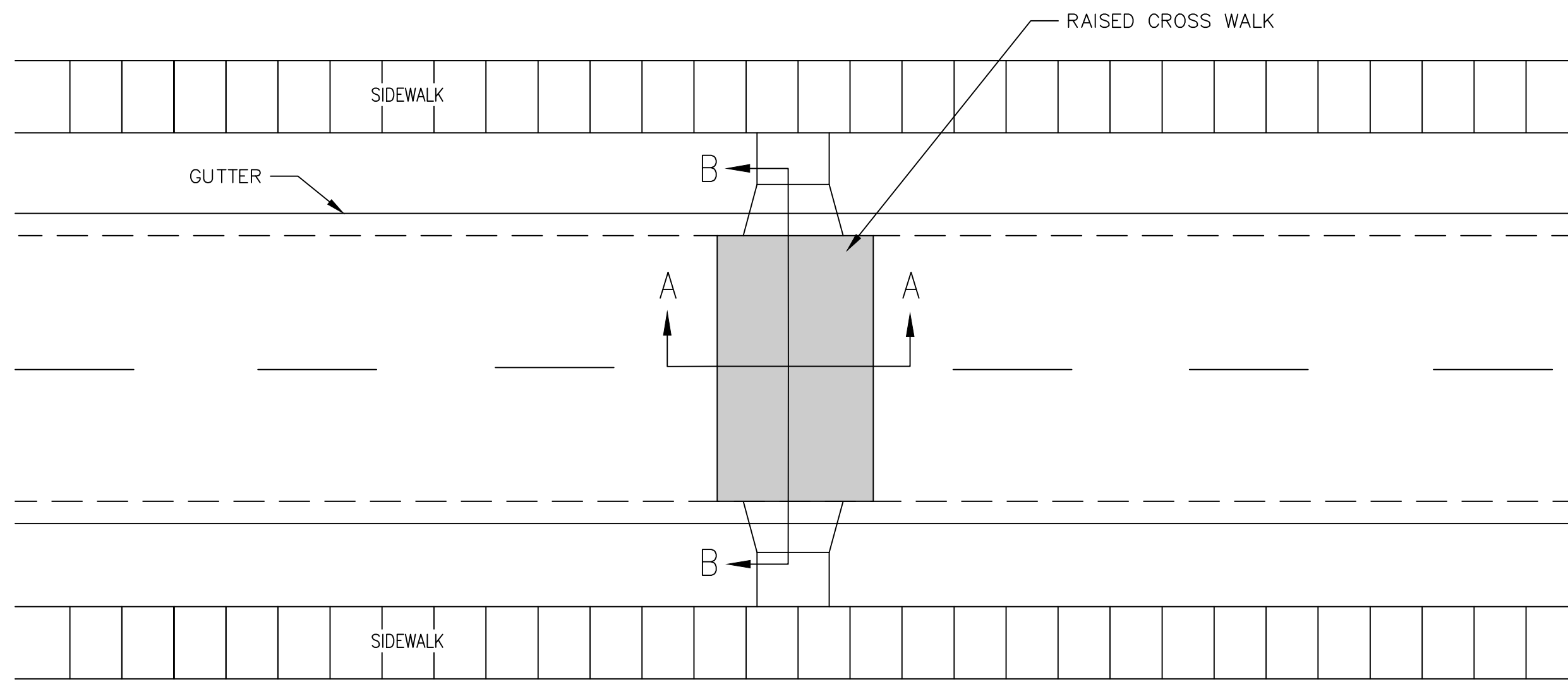
CITY OF ANN ARBOR
PUBLIC SERVICE
301 EAST HURON STREET
ANN ARBOR MI 48106-1667
www.a3gov.org



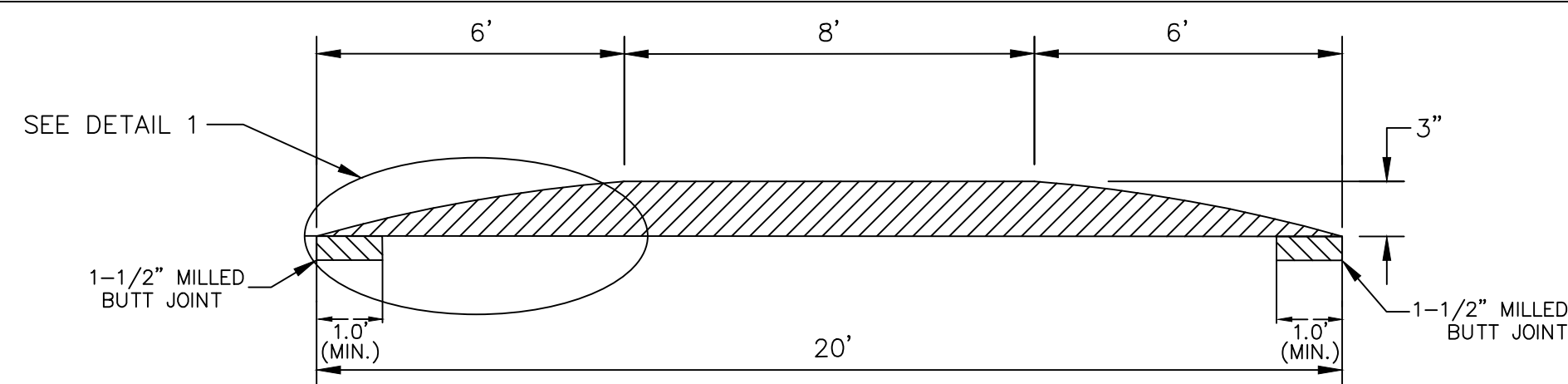
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
TRAFFIC CALMING DETAIL - HMA RAISE INTERSECTION DETAIL

SCALE PLAN: NTS
DRAWING No. 2022-004-5

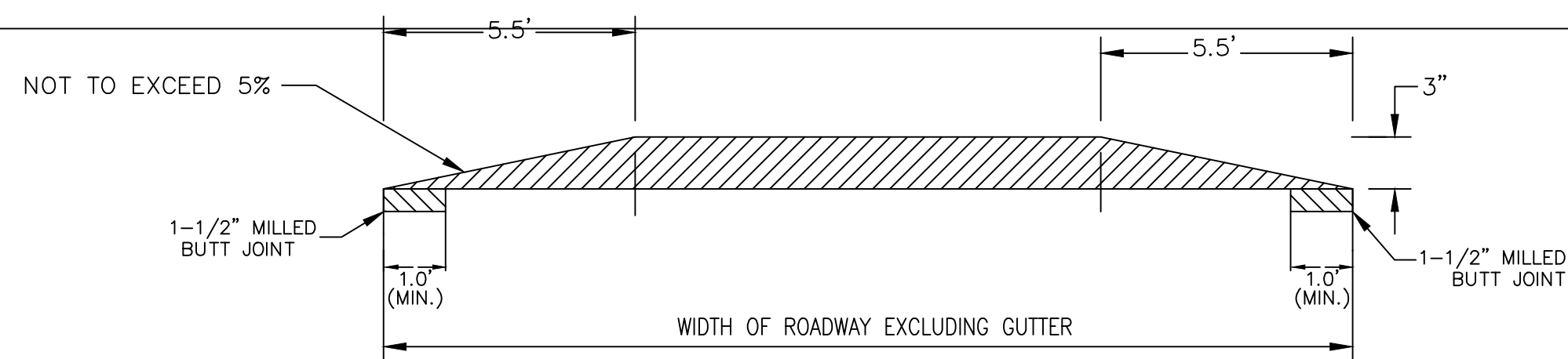
T:\2022004\Plan Production\Traffic Calming Detail.dwg Dwg Created: 14-Feb-22 -- _a2 standard bw.stb -- Plot Date: 9-Mar-22



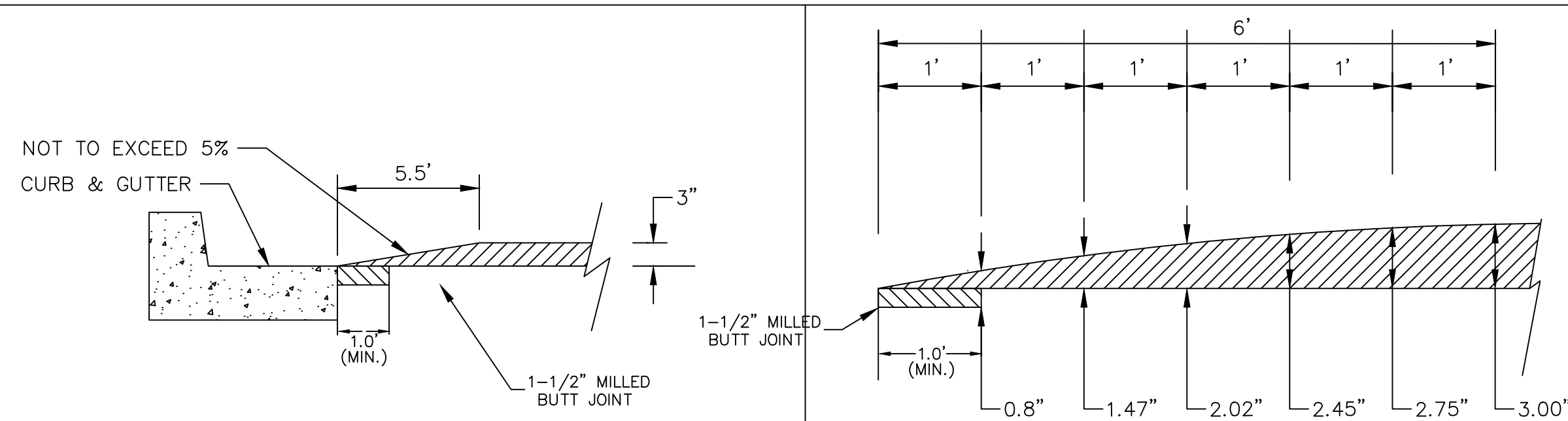
PLAN VIEW



SECTION AA



SECTION BB

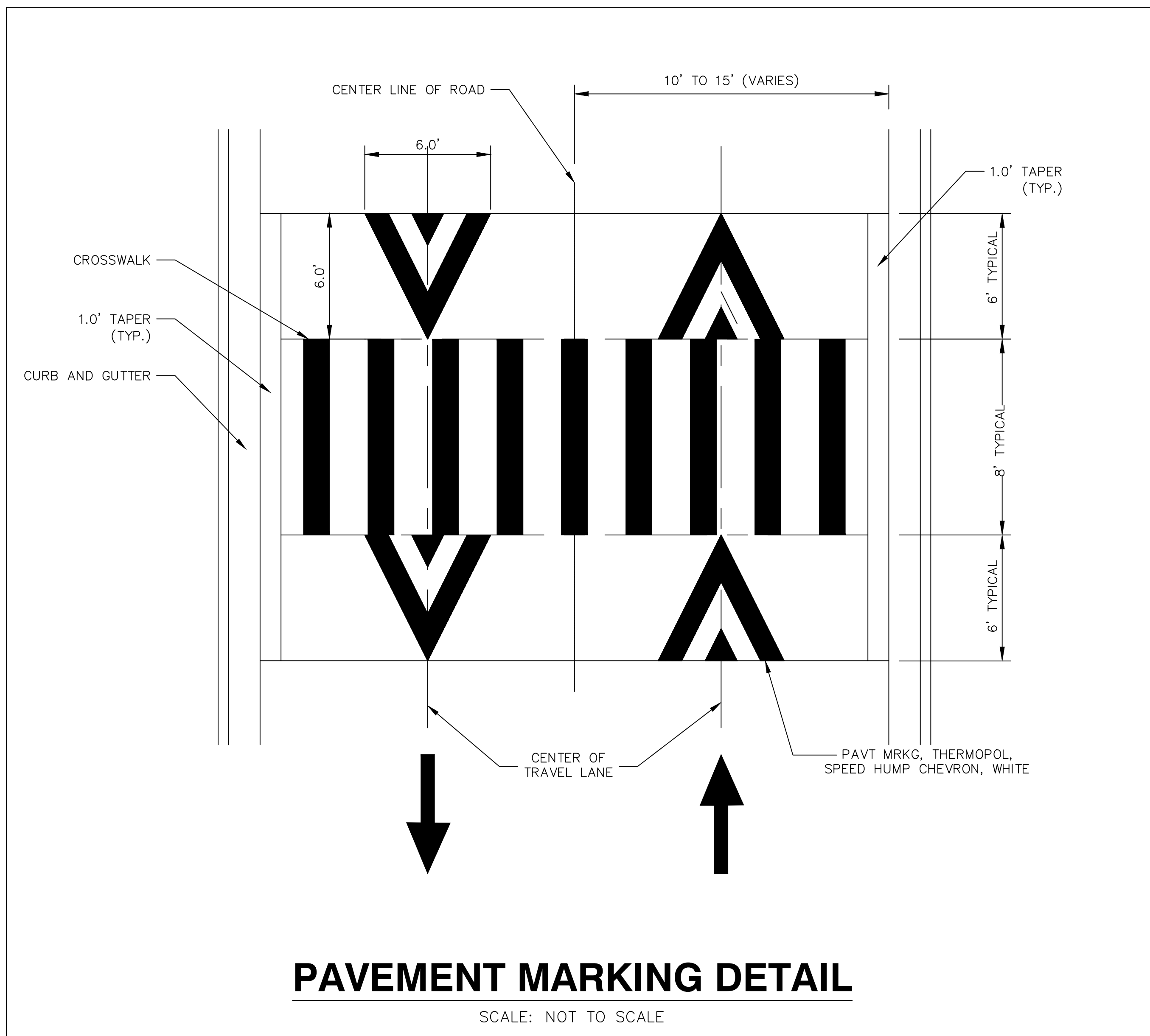


CURB DETAIL

DETAIL 1

HMA RAISE CROSS WALK DETAIL

SCALE: NOT TO SCALE



PAVEMENT MARKING DETAIL

SCALE: NOT TO SCALE

GENERAL NOTES

1. RAISED INTERSECTIONS SHALL FOLLOW THE SAME TAPER REQUIREMENT AS THE SPEED HUMPS DETAILED HEREIN.
2. PAYMENT FOR PAVEMENT MARKINGS FOR SPEED HUMPS AND RAISED INTERSECTIONS SHALL BE INCLUDED IN THE RESPECTIVE BID ITEMS AND SHALL NOT BE PAID FOR SEPARATELY.



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	JAC/CE/OS	DAD

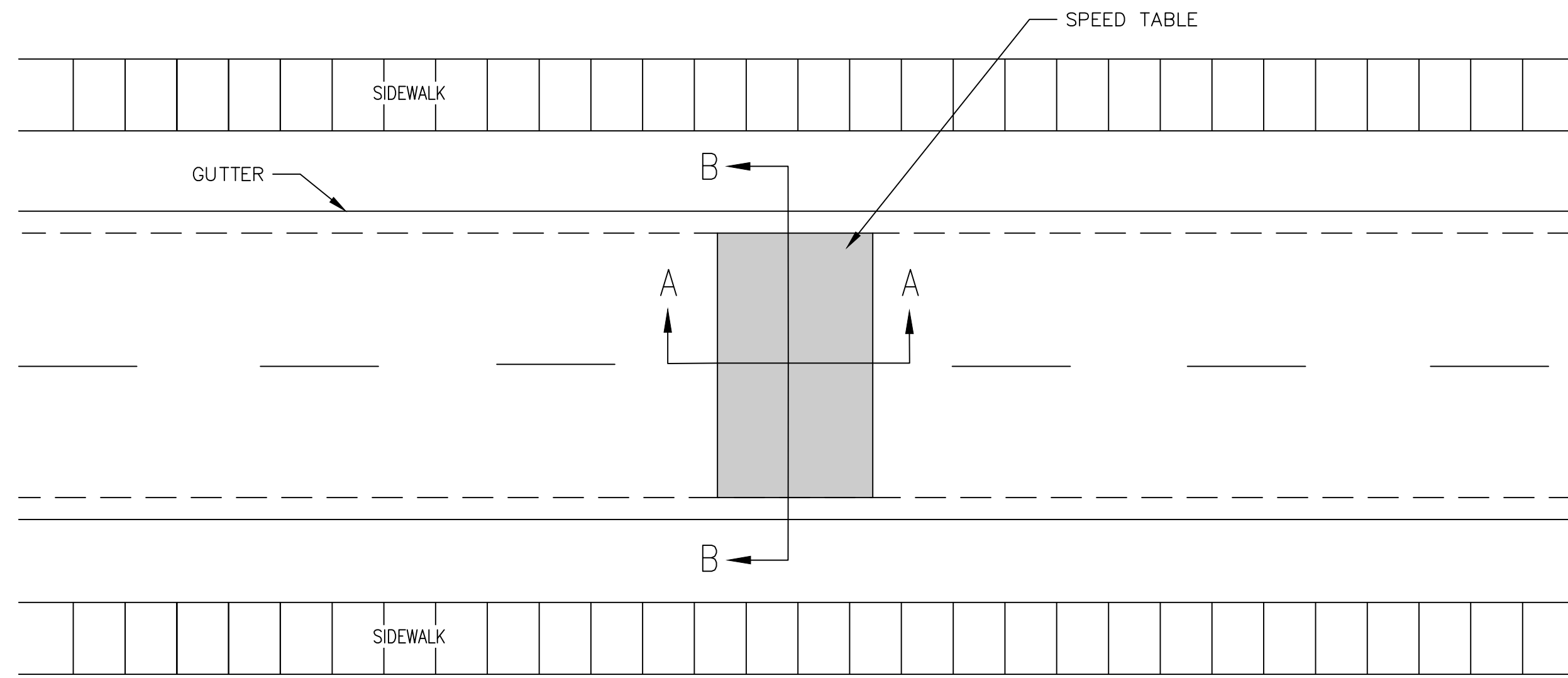
CITY OF ANN ARBOR
PUBLIC SERVICE
301 EAST HURON STREET
ANN ARBOR MI 48107-8647
www.a2gov.org



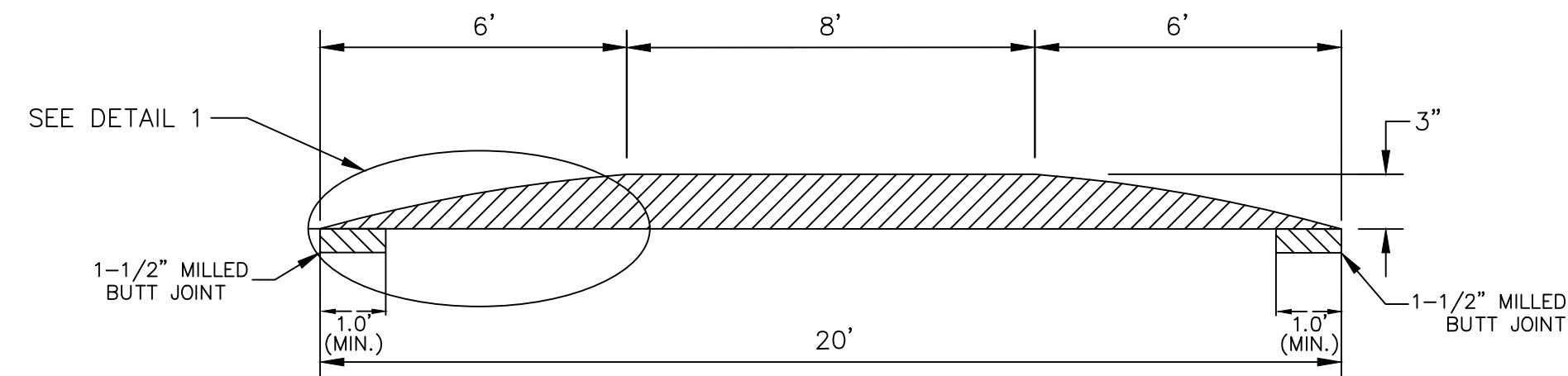
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
TRAFFIC CALMING DETAIL - HMA RAISE CROSS WALK DETAIL

SCALE PLAN: NTS
DRAWING No. 2022-004-6

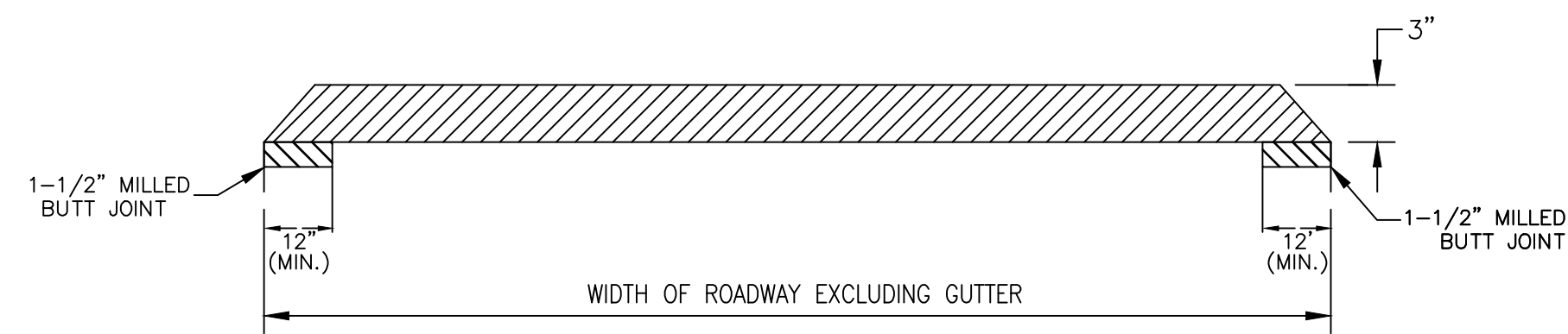
T:\2022004\Plan Production\Traffic Calming Detail.dwg Dwg Created: 14-Feb-22 - _a2 standard bw.stb - Plot Date: 9-Mar-22



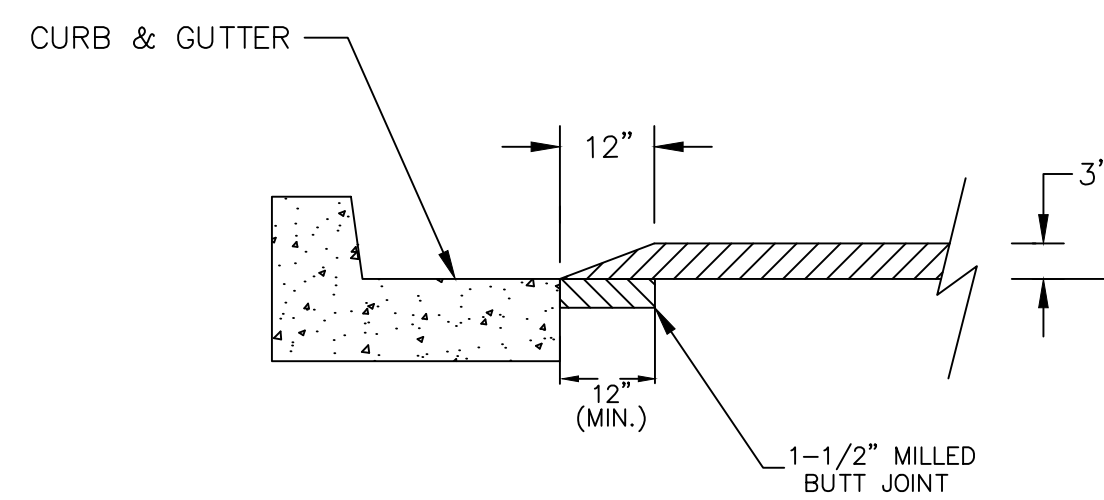
PLAN VIEW



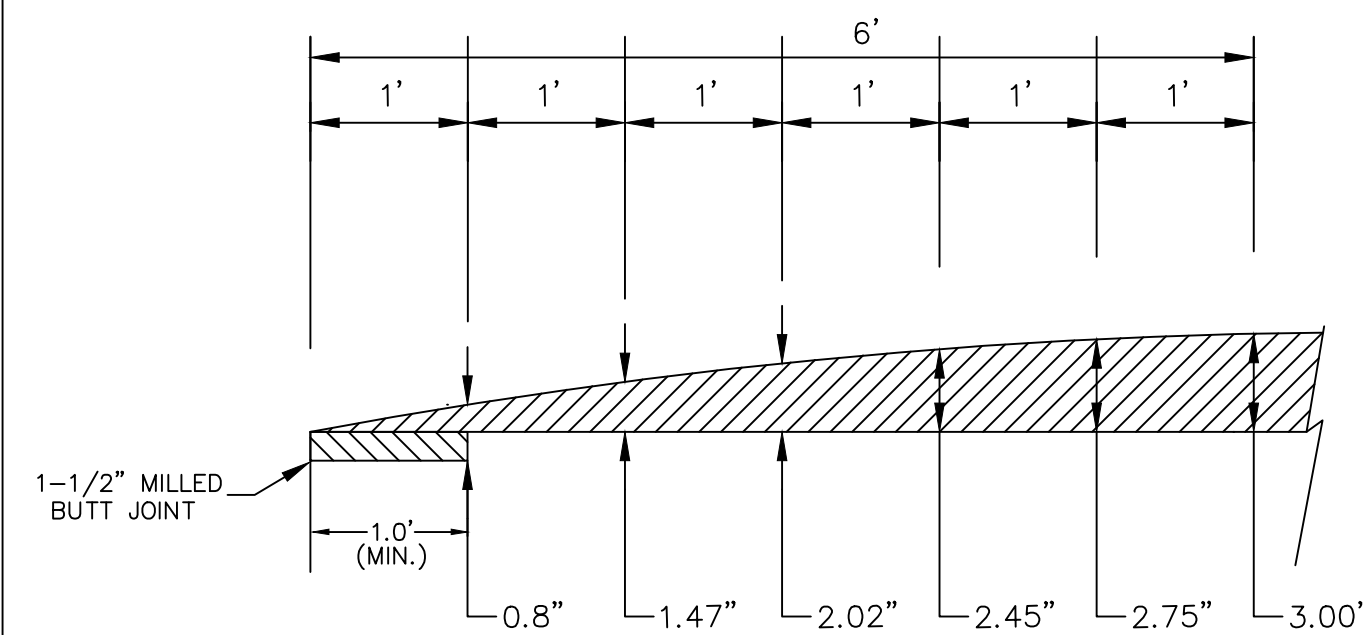
SECTION AA



SECTION BB



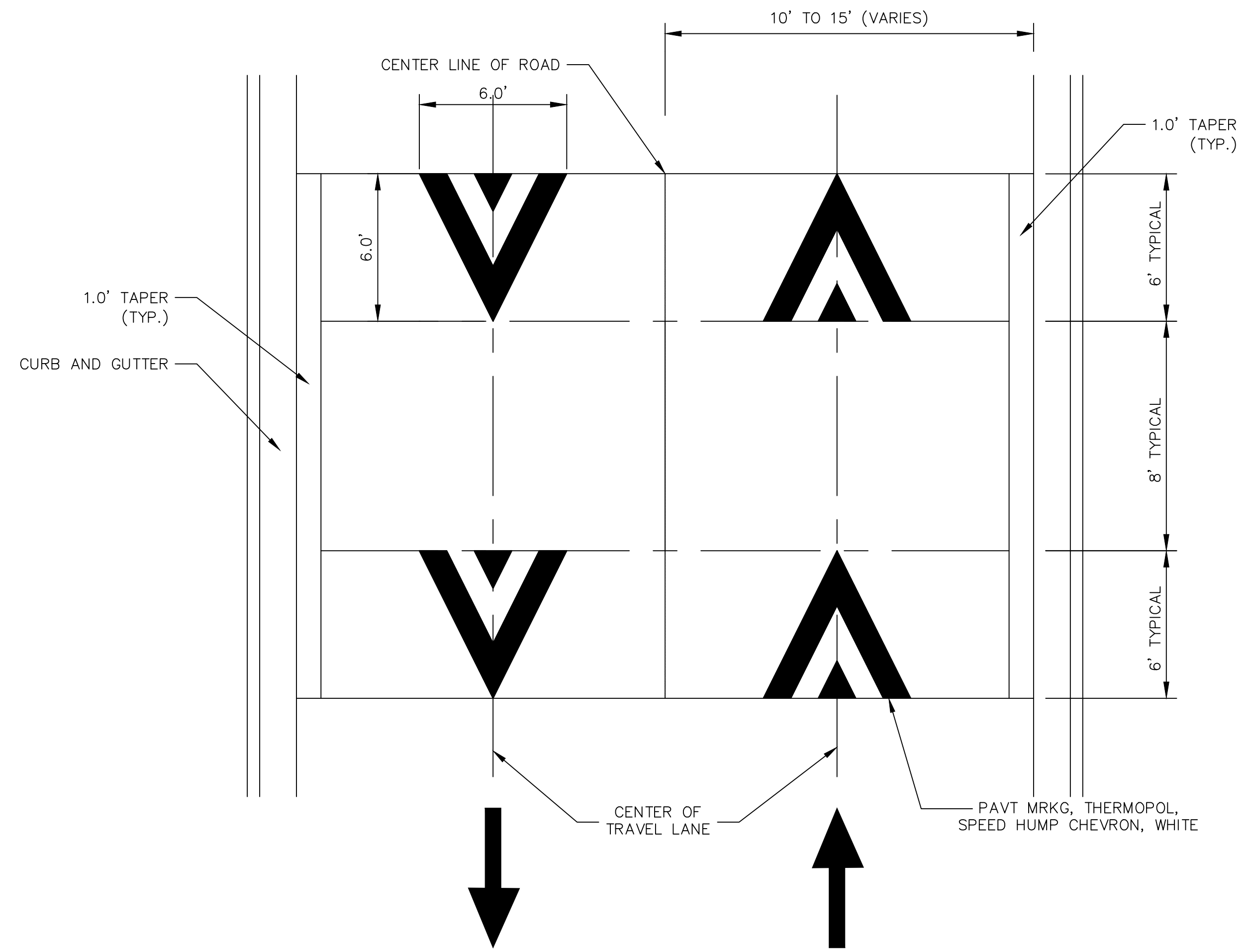
CURB DETAIL



DETAIL 1

HMA SPEED TABLE DETAIL

SCALE: NOT TO SCALE



PAVEMENT MARKING DETAIL

SCALE: NOT TO SCALE

GENERAL NOTES

1. RAISED INTERSECTIONS SHALL FOLLOW THE SAME TAPER REQUIREMENT AS THE SPEED HUMPS DETAILED HEREIN.
2. PAYMENT FOR PAVEMENT MARKINGS FOR SPEED HUMPS AND RAISED INTERSECTIONS SHALL BE INCLUDED IN THE RESPECTIVE BID ITEMS AND SHALL NOT BE PAID FOR SEPARATELY.



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	JAC/CE/OS	DAD

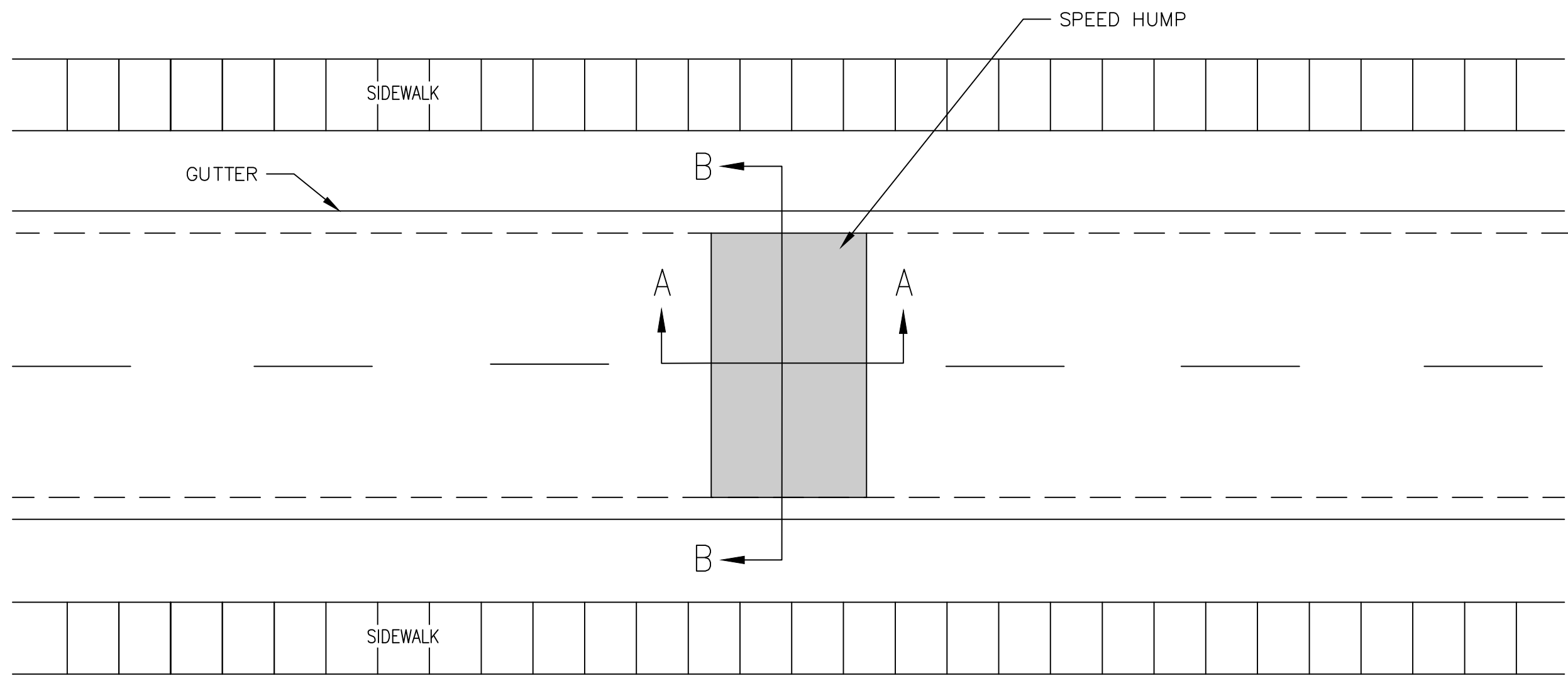
CITY OF ANN ARBOR
PUBLIC SERVICE
301 EAST HURON STREET
ANN ARBOR MI 48106-1647
www.a2gov.org



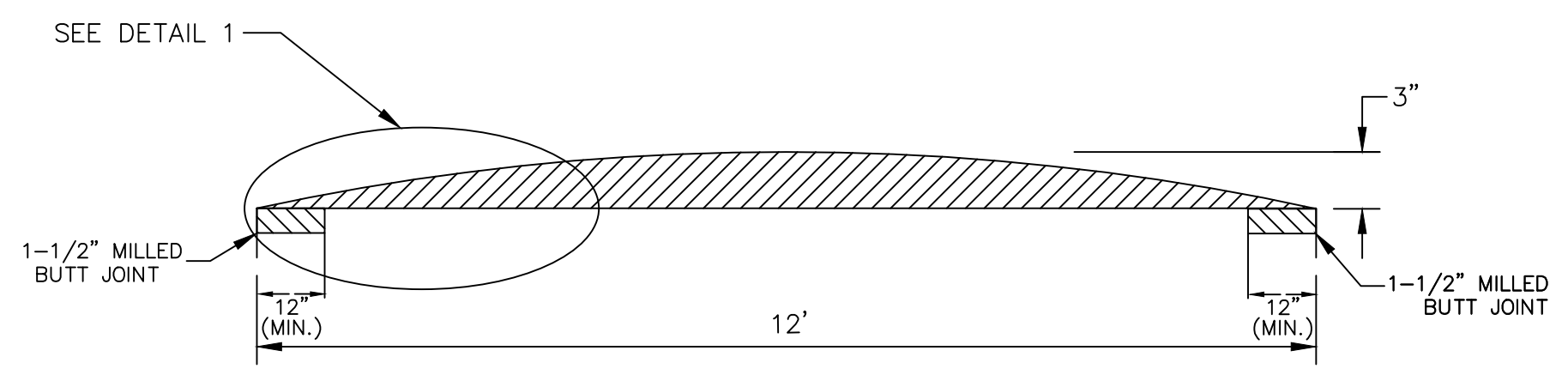
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
TRAFFIC CALMING DETAIL - HMA SPEED TABLE DETAIL

SCALE PLAN: NTS
DRAWING No. 2022-004-7

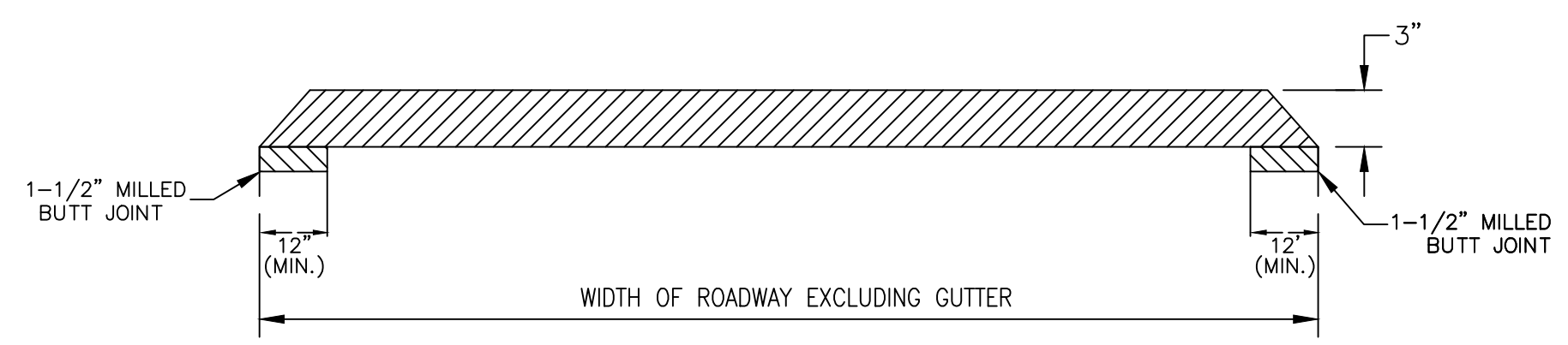
SHEET No.



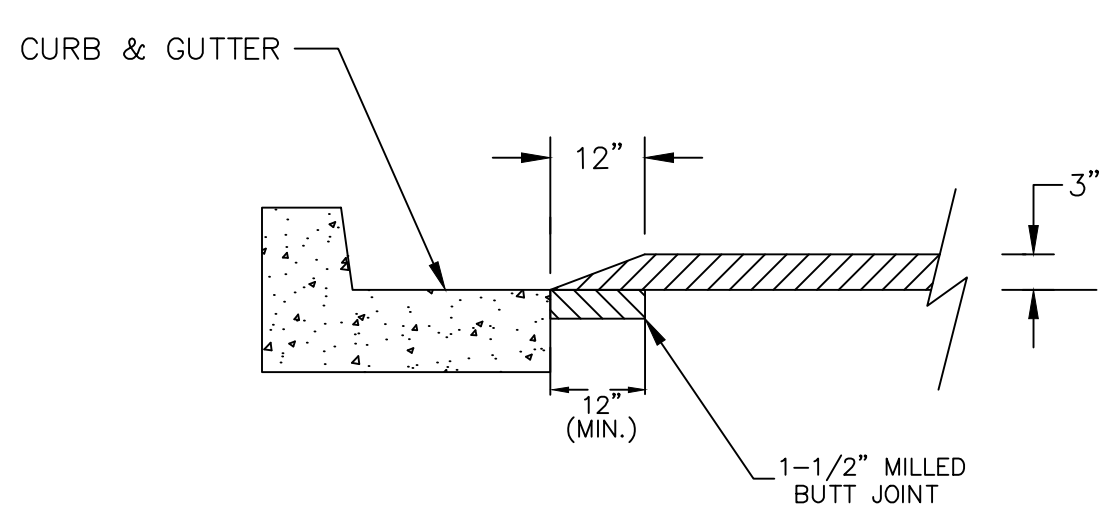
PLAN VIEW



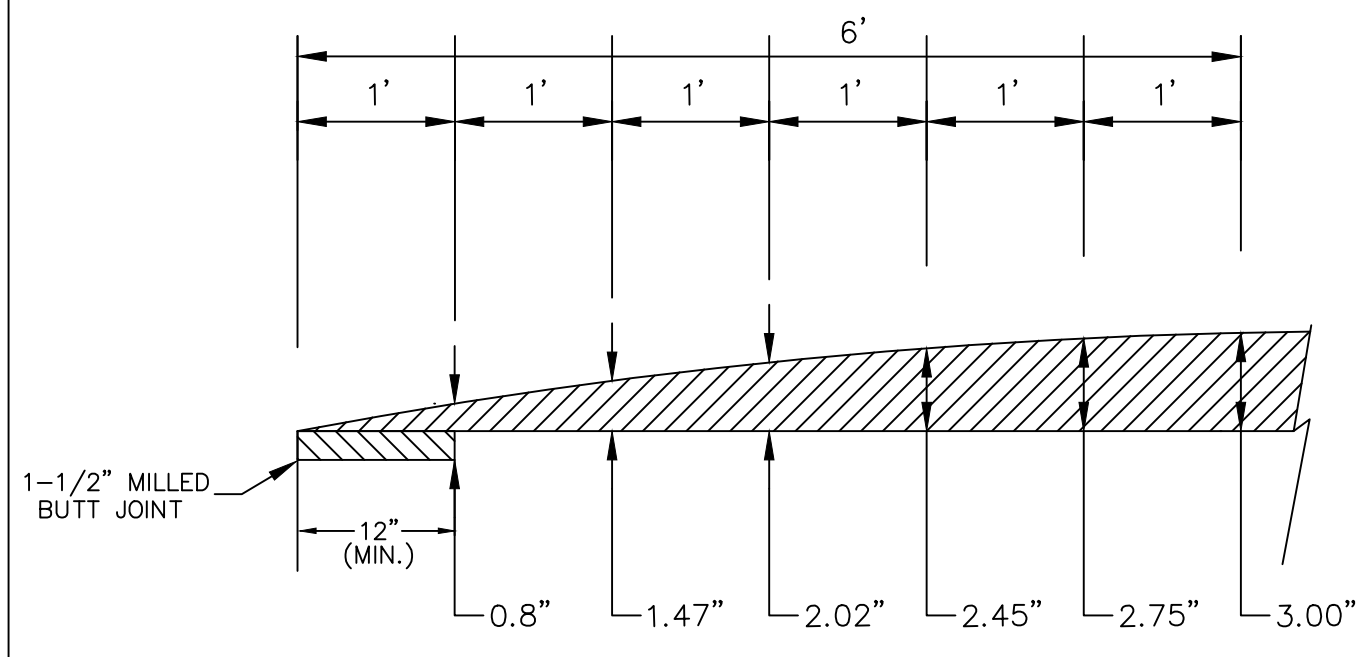
SECTION AA



SECTION BB



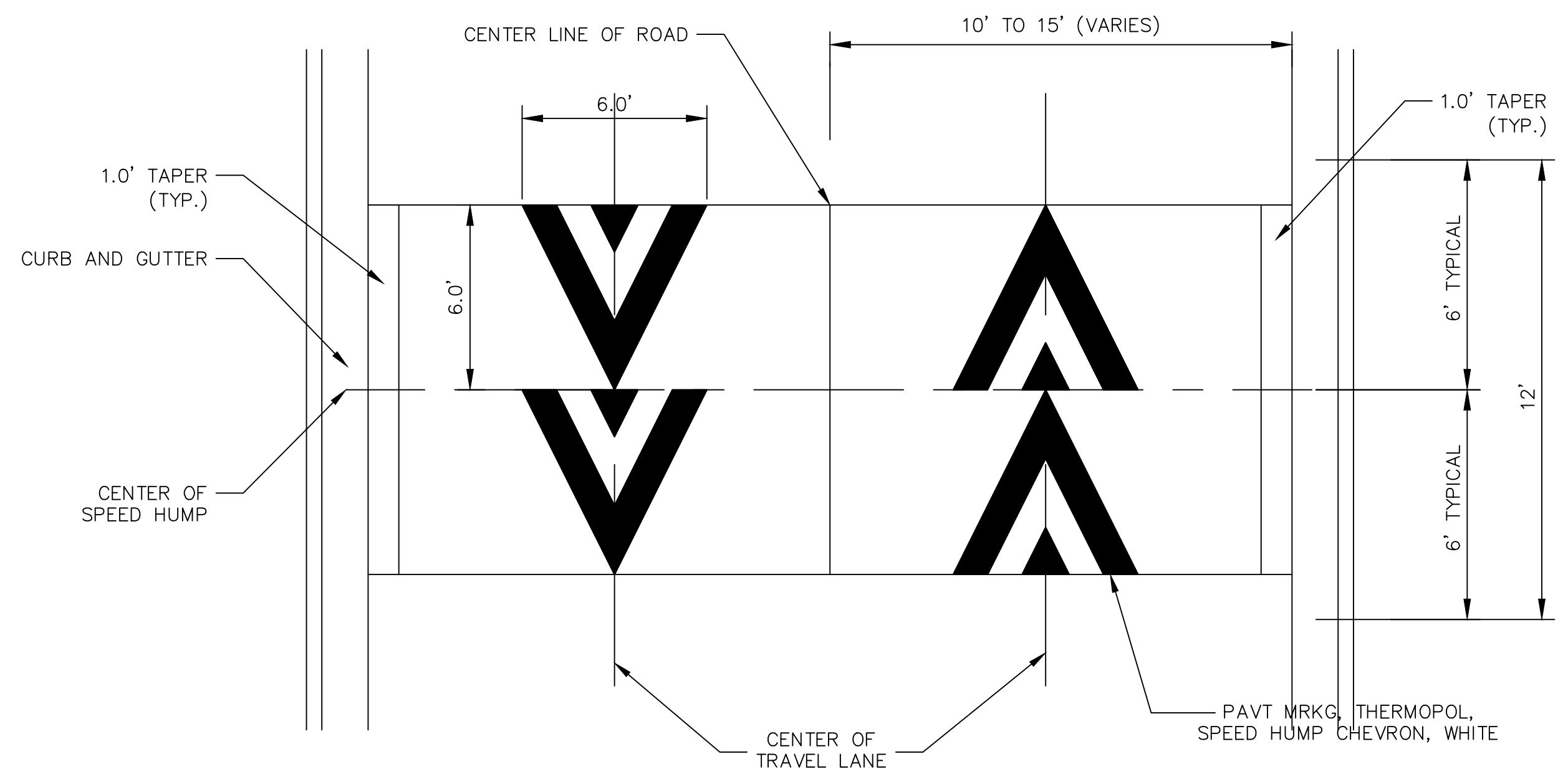
CURB DETAIL



DETAIL 1

HMA SPEED HUMP DETAIL

SCALE: NOT TO SCALE



PAVEMENT MARKING DETAIL

SCALE: NOT TO SCALE

GENERAL NOTES

1. RAISED INTERSECTIONS SHALL FOLLOW THE SAME TAPER REQUIREMENT AS THE SPEED HUMPS DETAILED HEREIN.
2. PAYMENT FOR PAVEMENT MARKINGS FOR SPEED HUMPS AND RAISED INTERSECTIONS SHALL BE INCLUDED IN THE RESPECTIVE BID ITEMS AND SHALL NOT BE PAID FOR SEPARATELY.

T:\2022004\Plan Production\Traffic Calming Detail.dwg Dwg Created: 14-Feb-22 - _a2 standard bw.stb - Plot Date: 9-Mar-22



REV.	DATE	DESCRIPTION	DRAWN	CHECKED
00	3/9/2022		AG/CE/OS	DAD

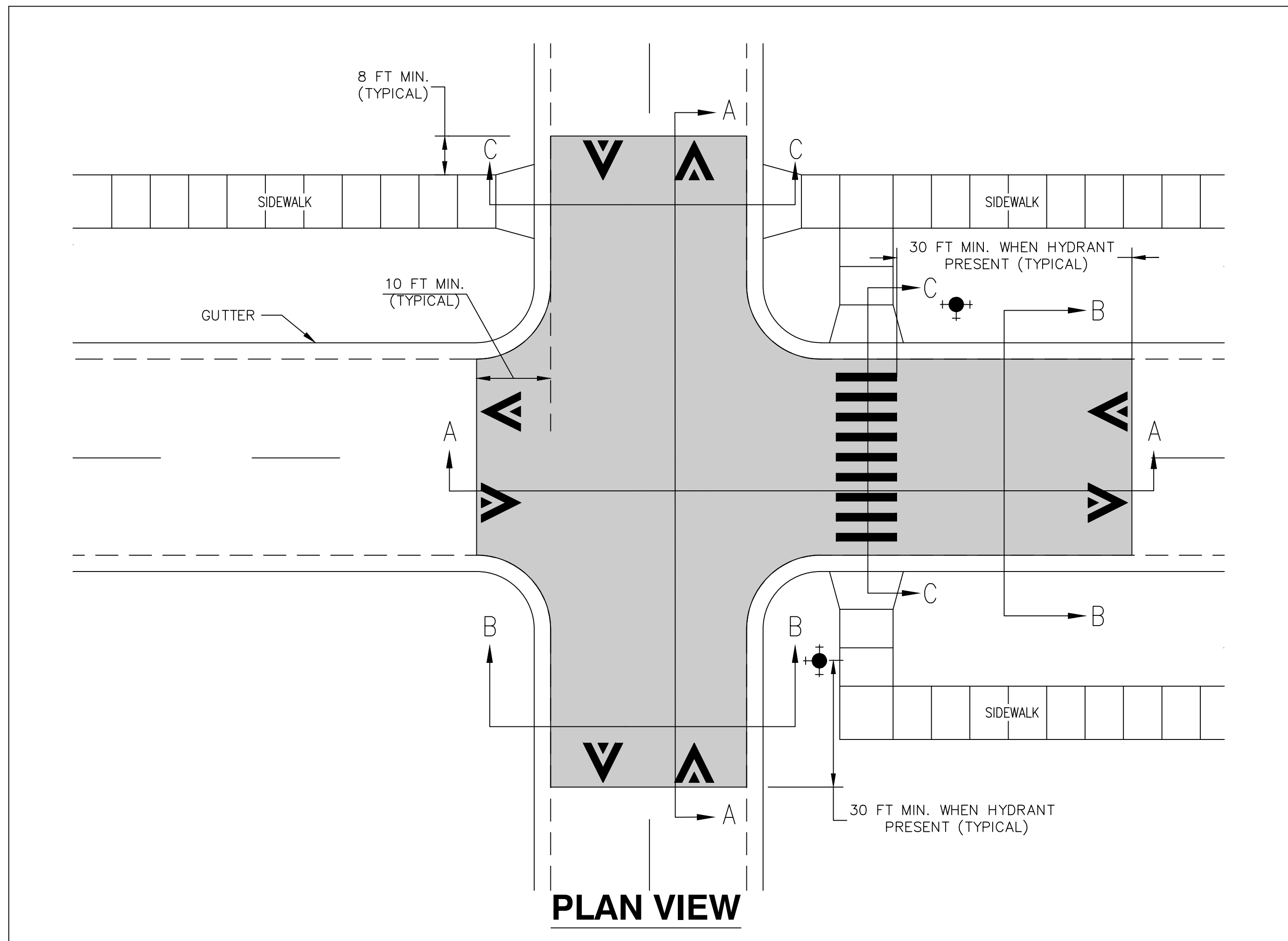
CITY OF ANN ARBOR
PUBLIC SERVICE
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
www.a2gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
TRAFFIC CALMING DETAIL - HMA SPEED HUMP DETAIL

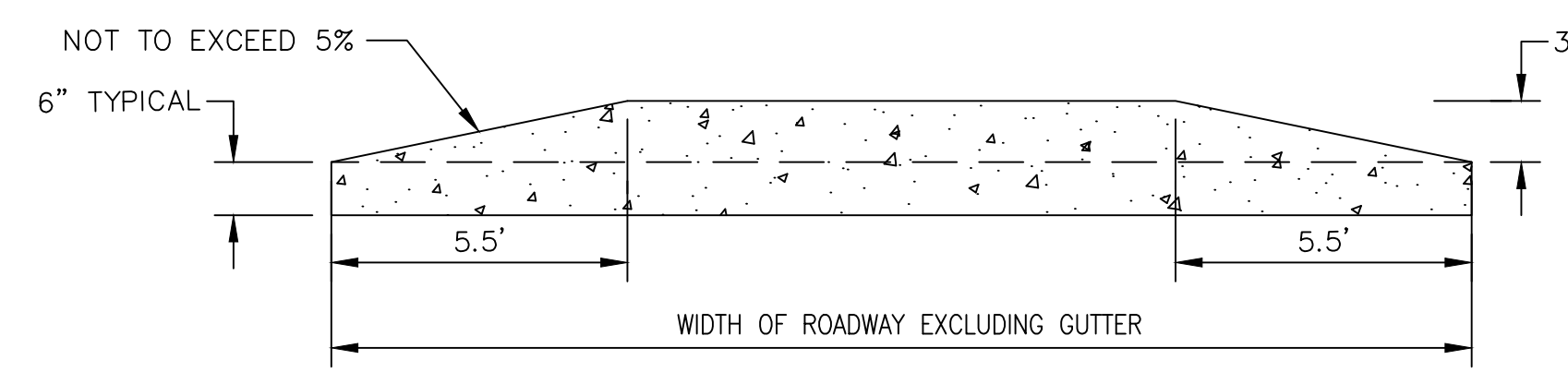
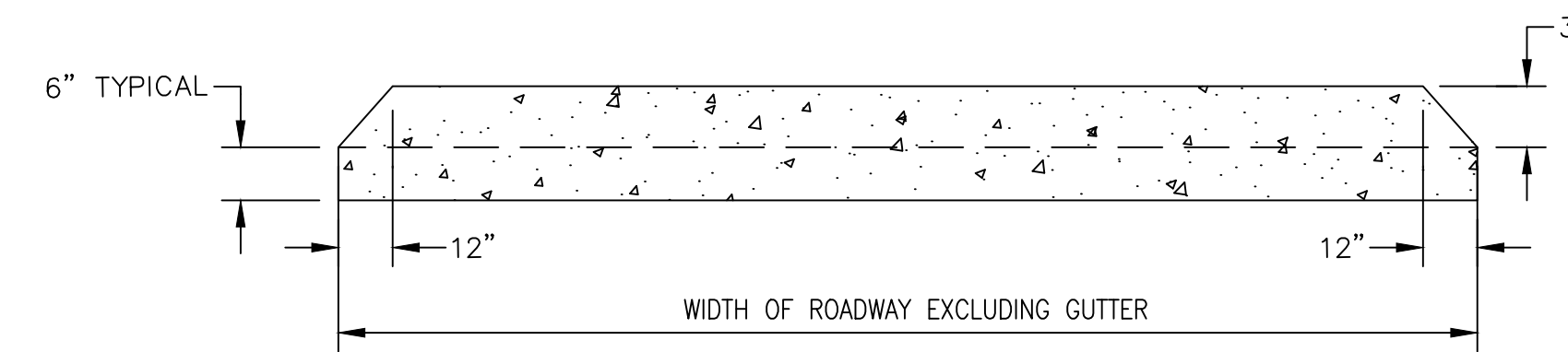
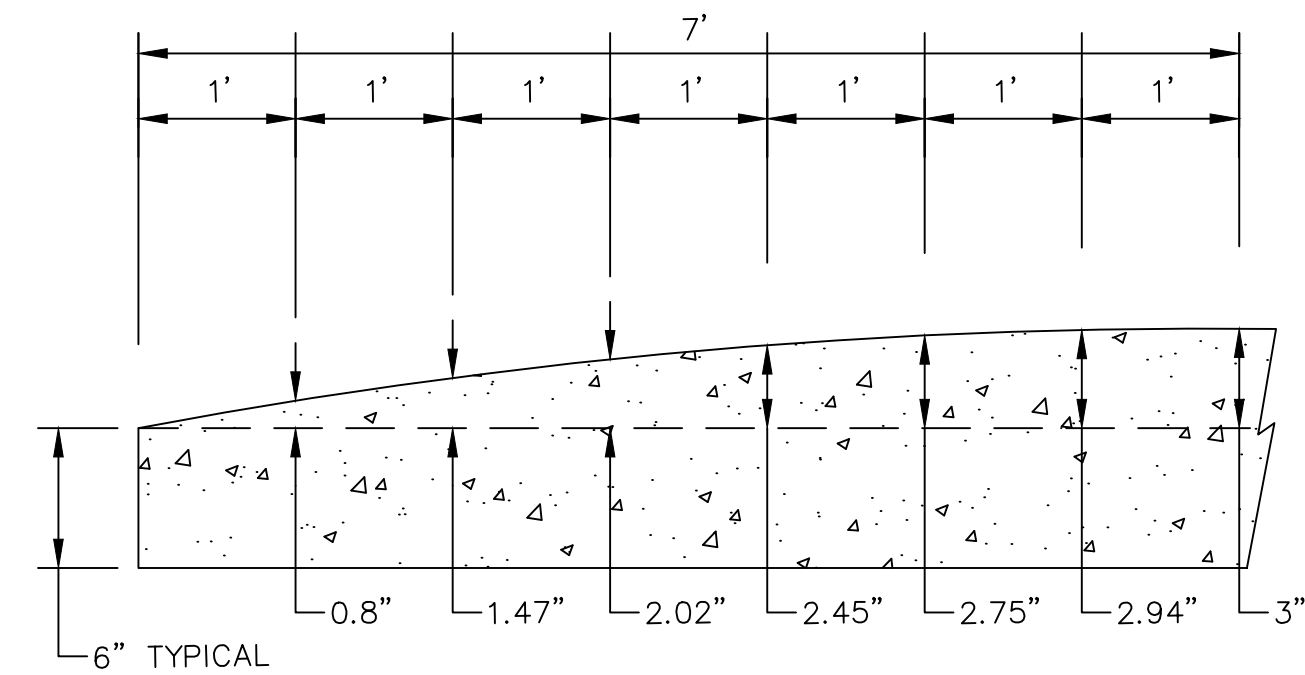
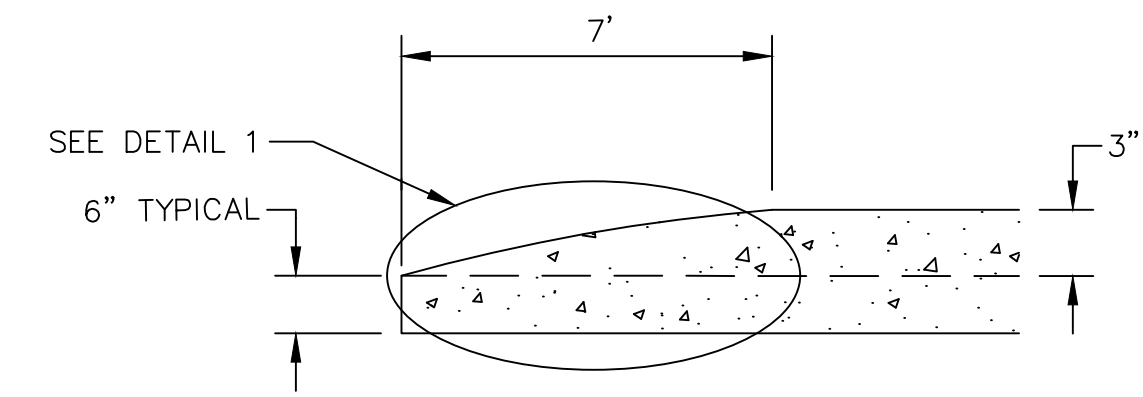
SCALE PLAN: NTS
DRAWING No. 2022-004-8

T:\2022004\Plan Production\Traffic Calming Detail.dwg Dwg Created: 14-Feb-22 --_a2_standard_bw.stb -- Plot Date: 9-Mar-22



GENERAL NOTES

1. RAISED INTERSECTIONS SHALL FOLLOW THE SAME TAPER REQUIREMENT AS THE SPEED HUMPS DETAILED HEREIN.
2. PAYMENT FOR PAVEMENT MARKINGS FOR SPEED HUMPS AND RAISED INTERSECTIONS SHALL BE INCLUDED IN THE RESPECTIVE BID ITEMS AND SHALL NOT BE PAID FOR SEPARATELY.



CONCRETE RAISE INTERSECTION DETAIL

SCALE: NOT TO SCALE



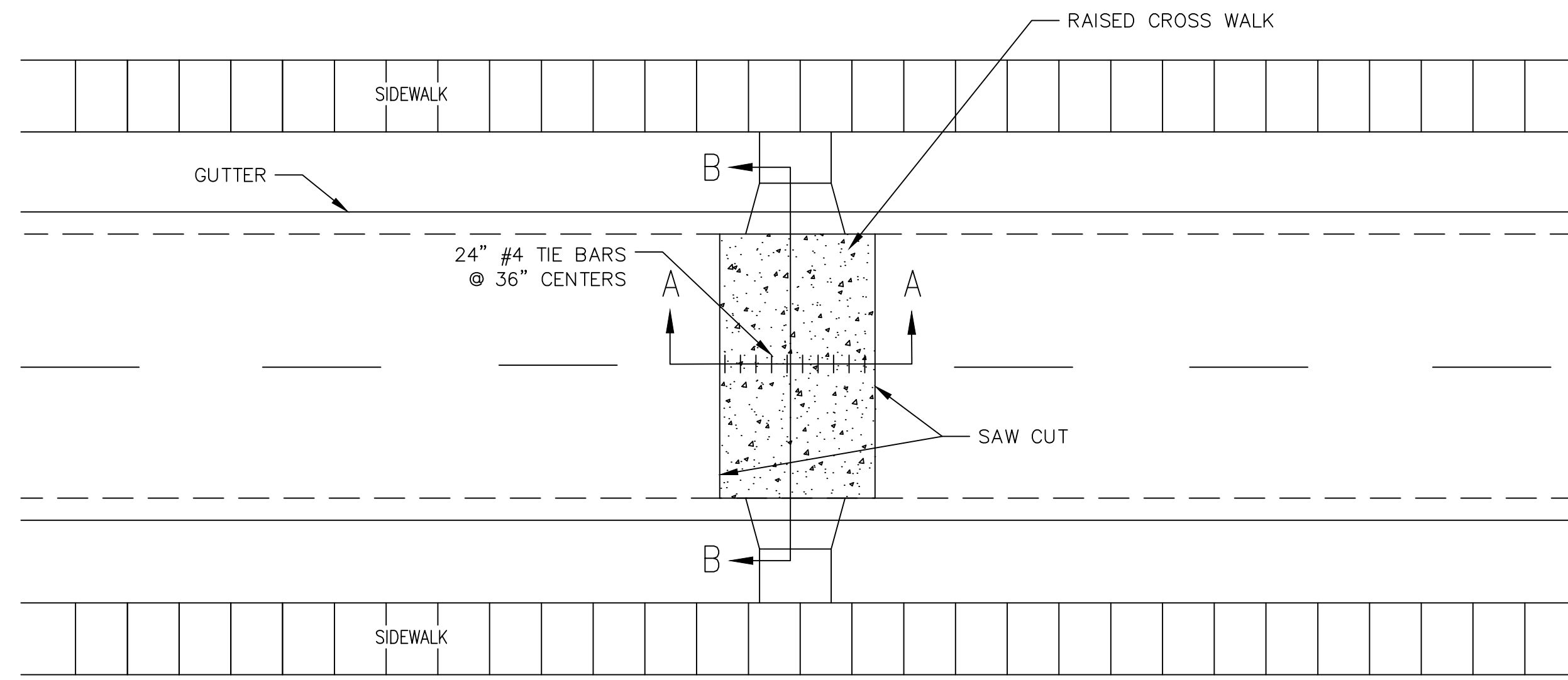
REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	JAC/CE/OS	DAD

CITY OF ANN ARBOR
 PUBLIC SERVICE
 301 EAST HURON STREET
 ANN ARBOR, MI 48106-8647
 ANN ARBOR: 734.794.4410
 www.a2gov.org

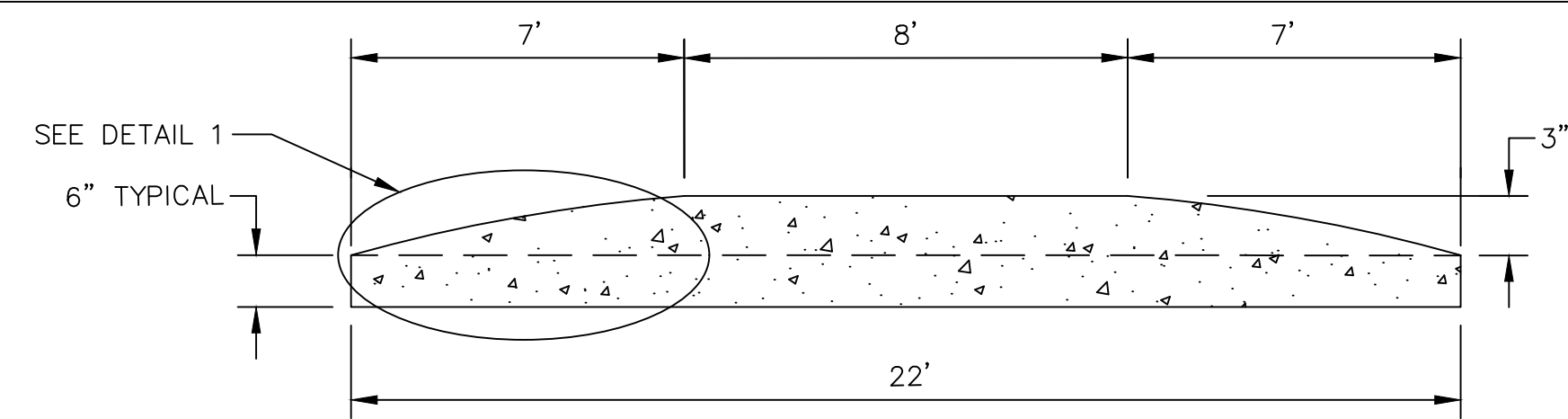
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
 STREET RESURFACING PROJECT - 2022
 TRAFFIC CALMING DETAIL - CONCRETE RAISE INTERSECTION DETAIL

SCALE PLAN: NTS
 DRAWING No. 2022-004-9

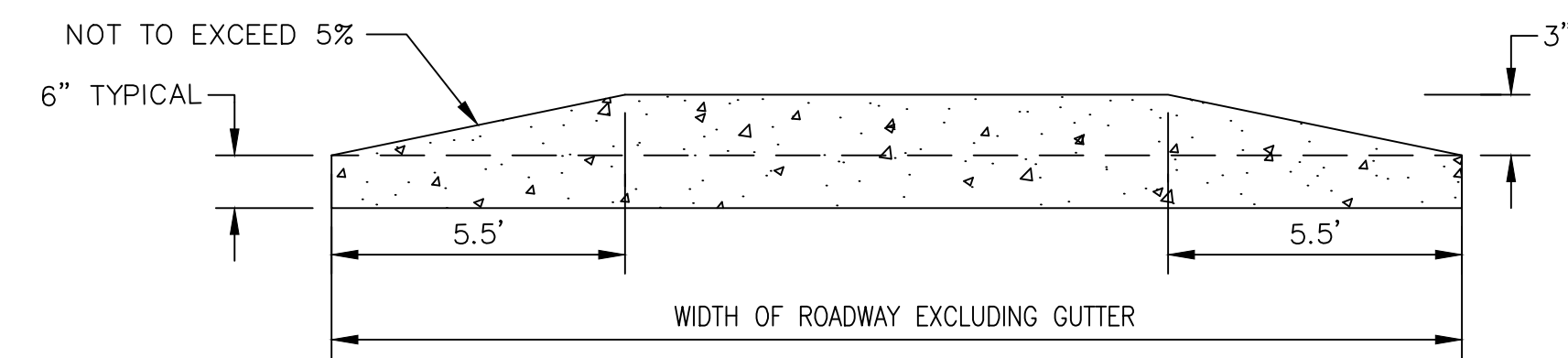
T:\2022004\Plan Production\Traffic Calming Detail.dwg Dwg Created: 14-Feb-22 -- _a2 standard bw.stb -- Plot Date: 9-Mar-22



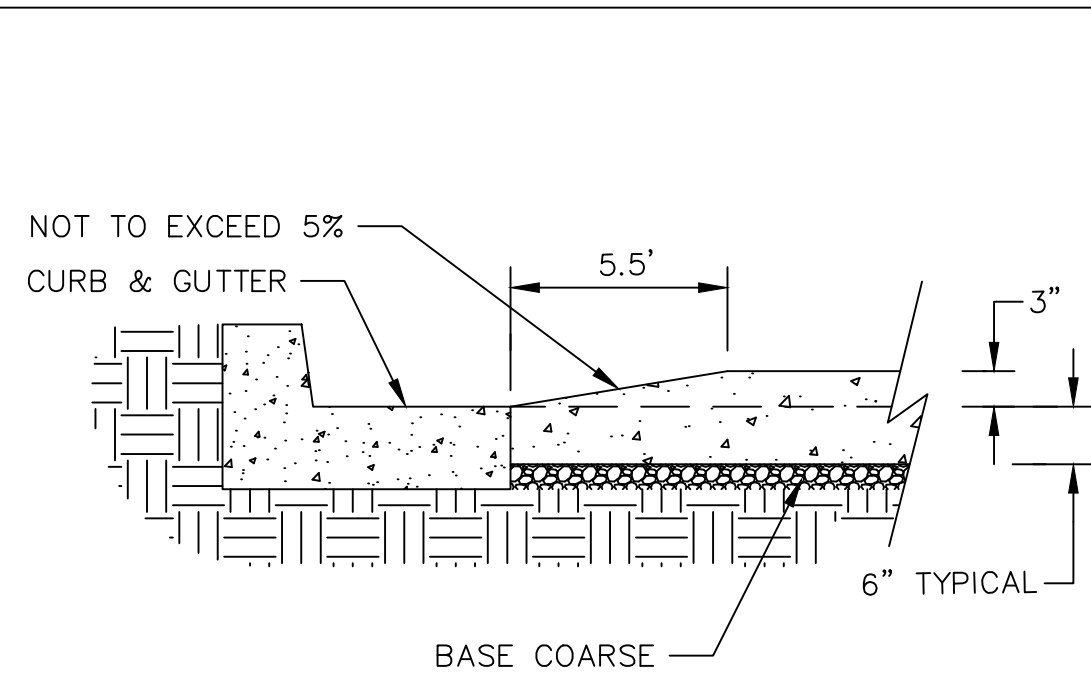
PLAN VIEW



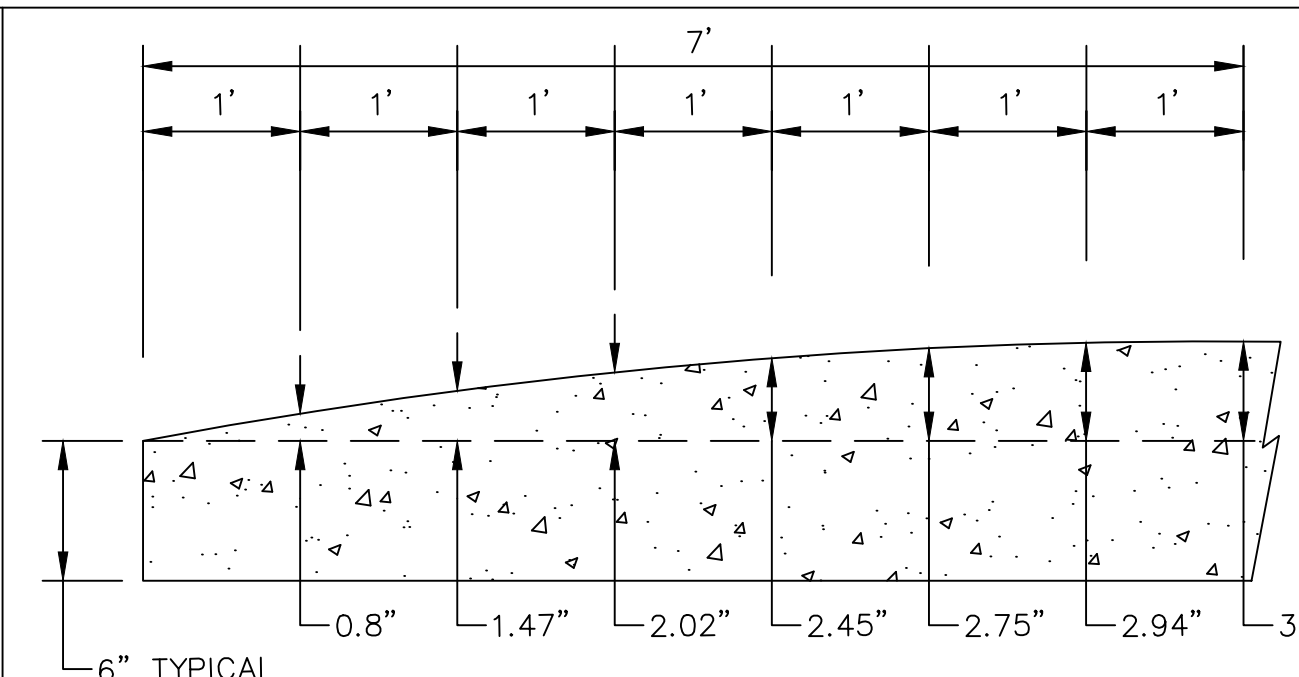
SECTION AA



SECTION BB



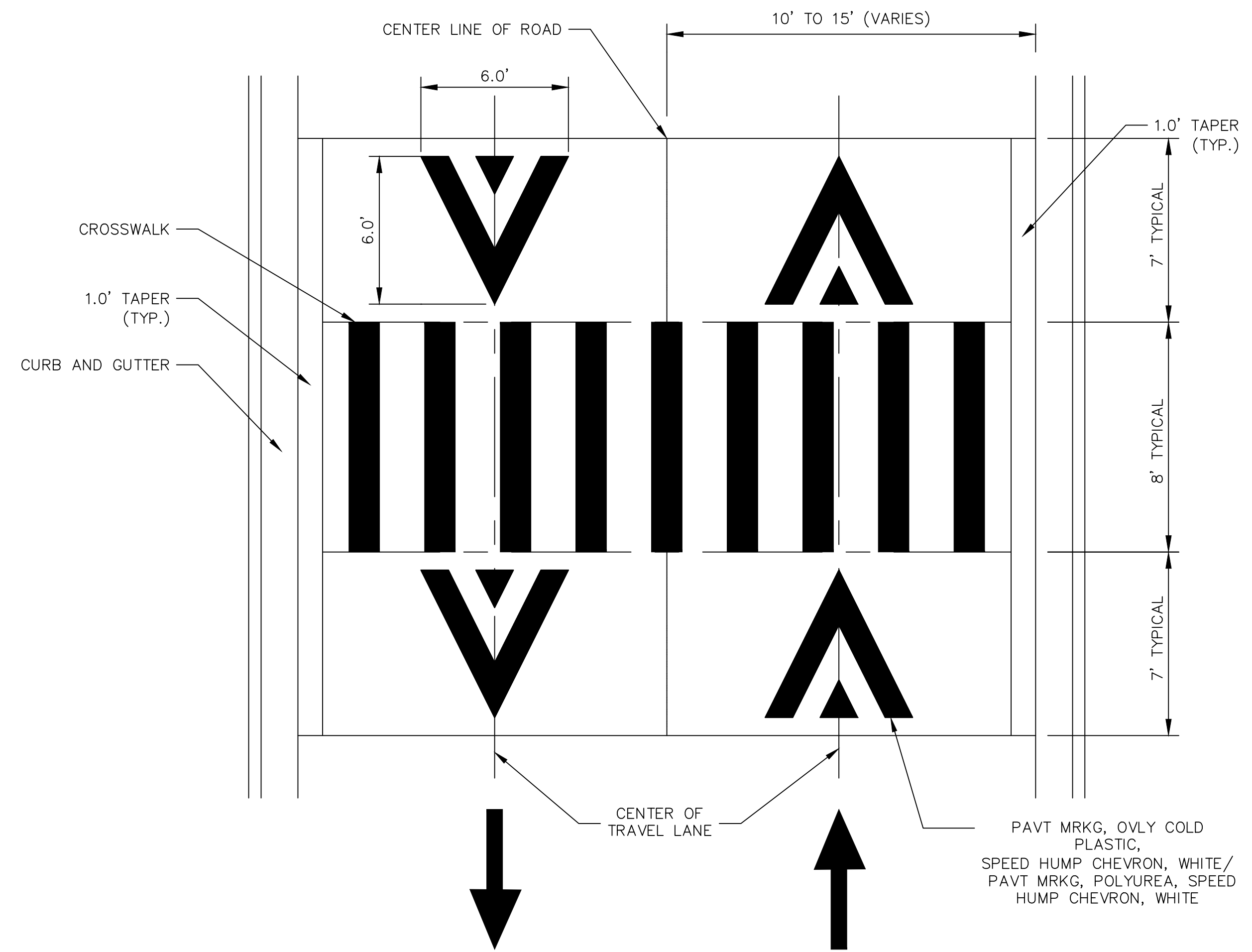
CURB DETAIL



DETAIL 1

CONCRETE RAISE CROSS WALK DETAIL

SCALE: NOT TO SCALE



PAVEMENT MARKING DETAIL

SCALE: NOT TO SCALE

GENERAL NOTES

1. RAISED INTERSECTIONS SHALL FOLLOW THE SAME TAPER REQUIREMENT AS THE SPEED HUMPS DETAILED HEREIN.
2. PAYMENT FOR PAVEMENT MARKINGS FOR SPEED HUMPS AND RAISED INTERSECTIONS SHALL BE INCLUDED IN THE RESPECTIVE BID ITEMS AND SHALL NOT BE PAID FOR SEPARATELY.



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	JAC/CE/OS	DAD

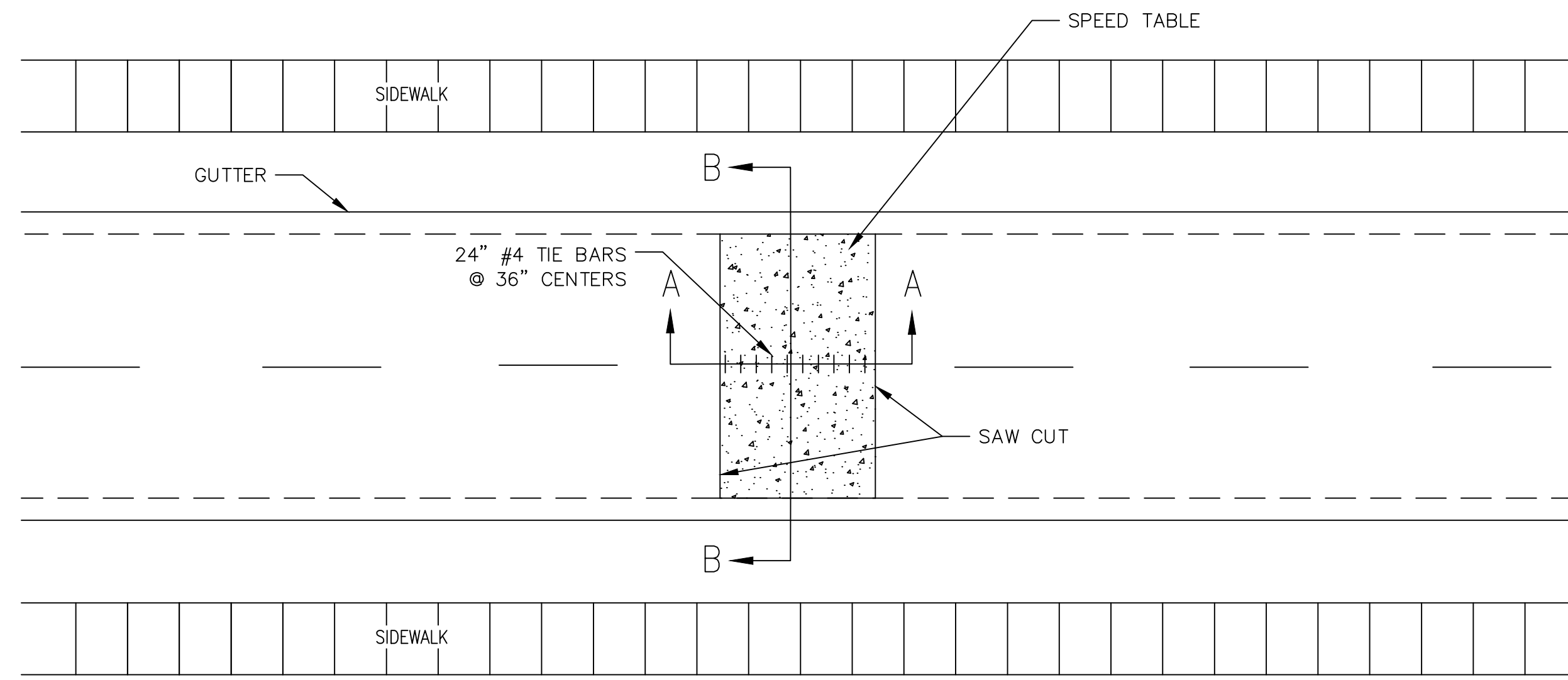
CITY OF ANN ARBOR
PUBLIC SERVICE
301 EAST HURON STREET
ANN ARBOR MI 48107-8647
www.a2gov.org



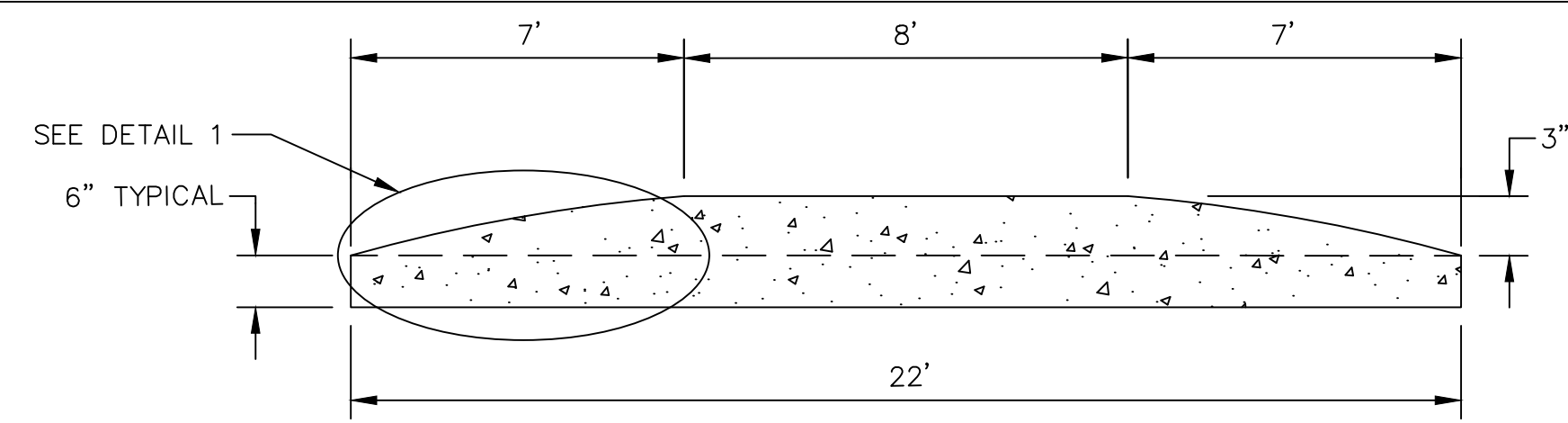
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
TRAFFIC CALMING DETAIL - CONCRETE RAISE CROSS WALK DETAIL

SCALE PLAN: NTS
DRAWING No. 2022-004-10

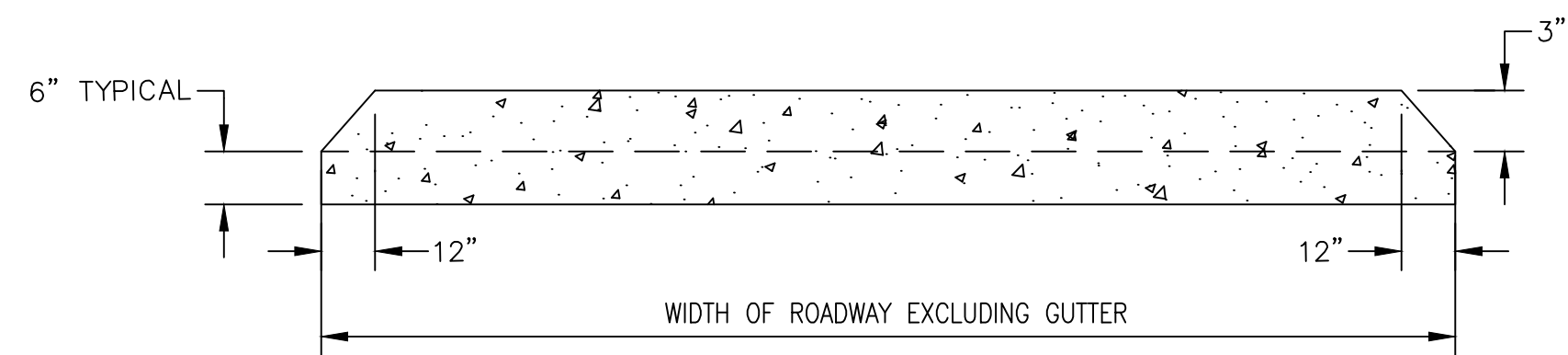
T:\2022004\Plan Production\Traffic Calming Detail.dwg Dwg Created: 14-Feb-22 - _a2 standard bw.stb - Plot Date: 9-Mar-22



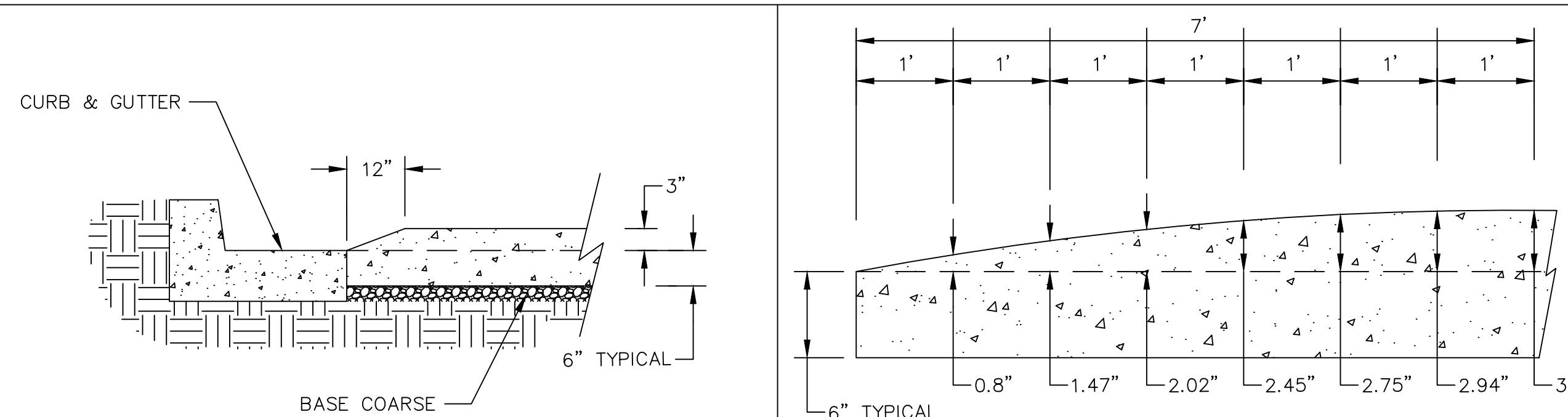
PLAN VIEW



SECTION AA



SECTION BB

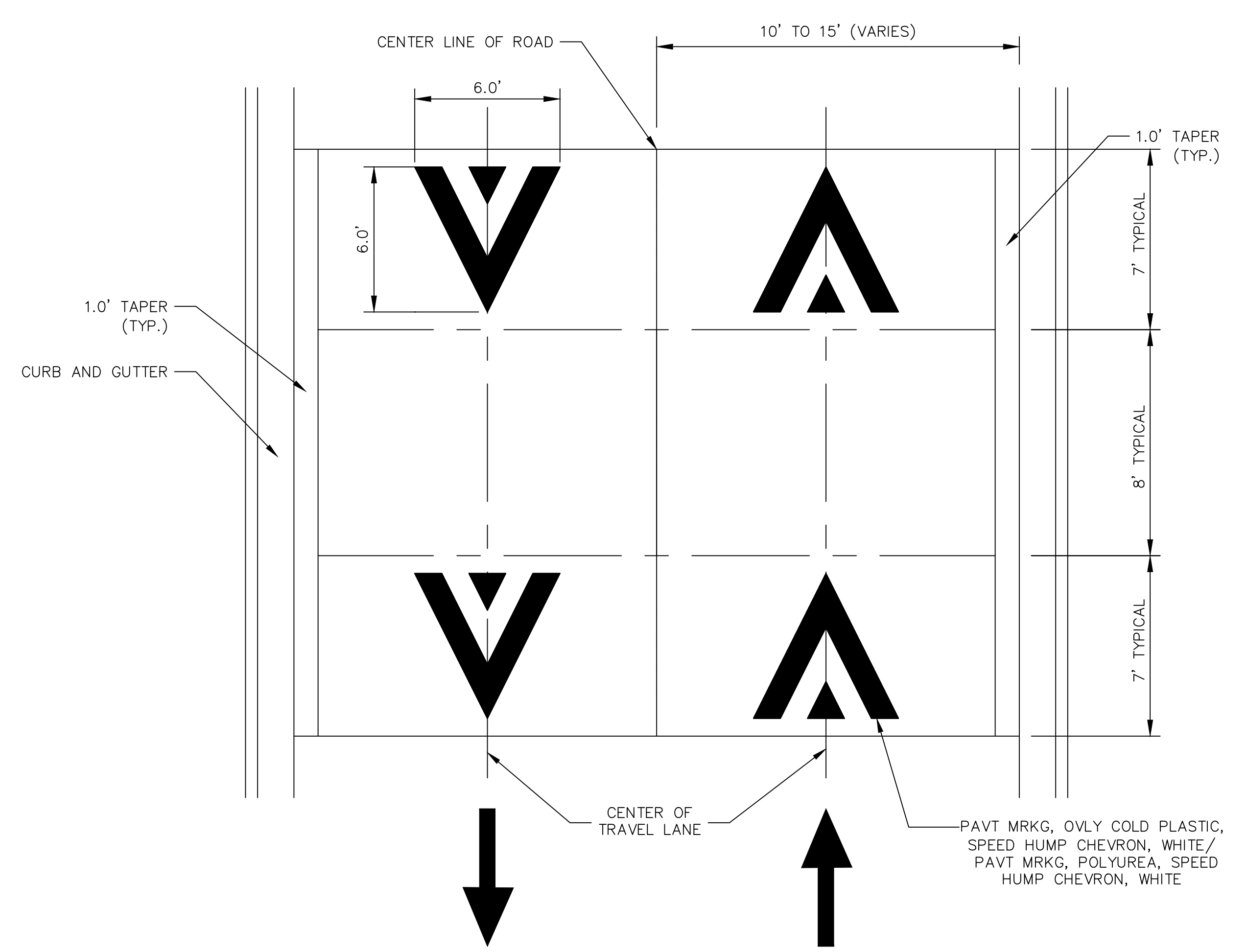


CURB DETAIL

DETAIL 1

CONCRETE SPEED TABLE DETAIL

SCALE: NOT TO SCALE



PAVEMENT MARKING DETAIL

SCALE: NOT TO SCALE

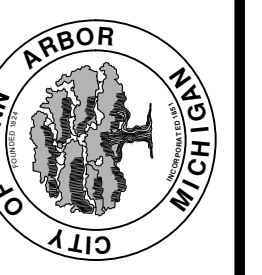
GENERAL NOTES

1. RAISED INTERSECTIONS SHALL FOLLOW THE SAME TAPER REQUIREMENT AS THE SPEED HUMPS DETAILED HEREIN.
2. PAYMENT FOR PAVEMENT MARKINGS FOR SPEED HUMPS AND RAISED INTERSECTIONS SHALL BE INCLUDED IN THE RESPECTIVE BID ITEMS AND SHALL NOT BE PAID FOR SEPARATELY.



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	JAC/CE/OS	DAD

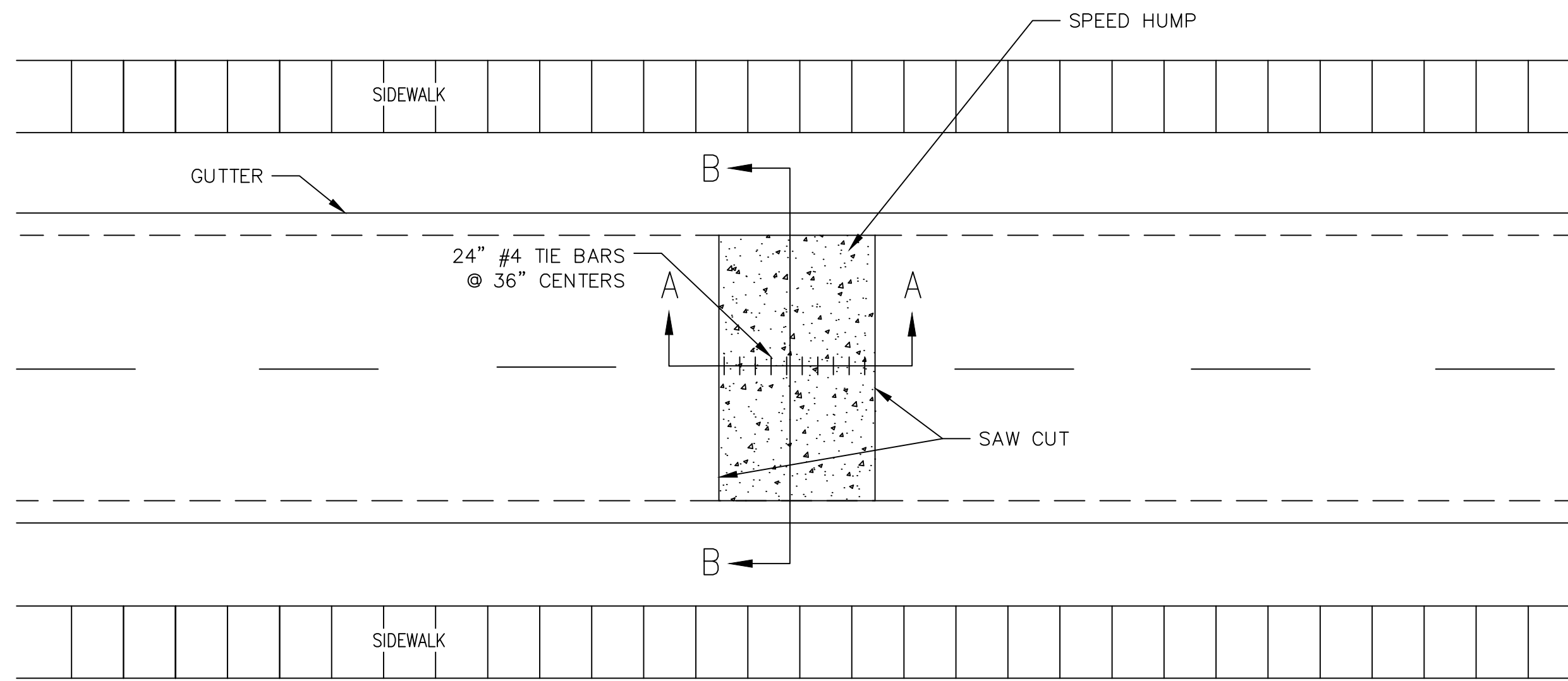
CITY OF ANN ARBOR
PUBLIC SERVICE
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
www.a2gov.org



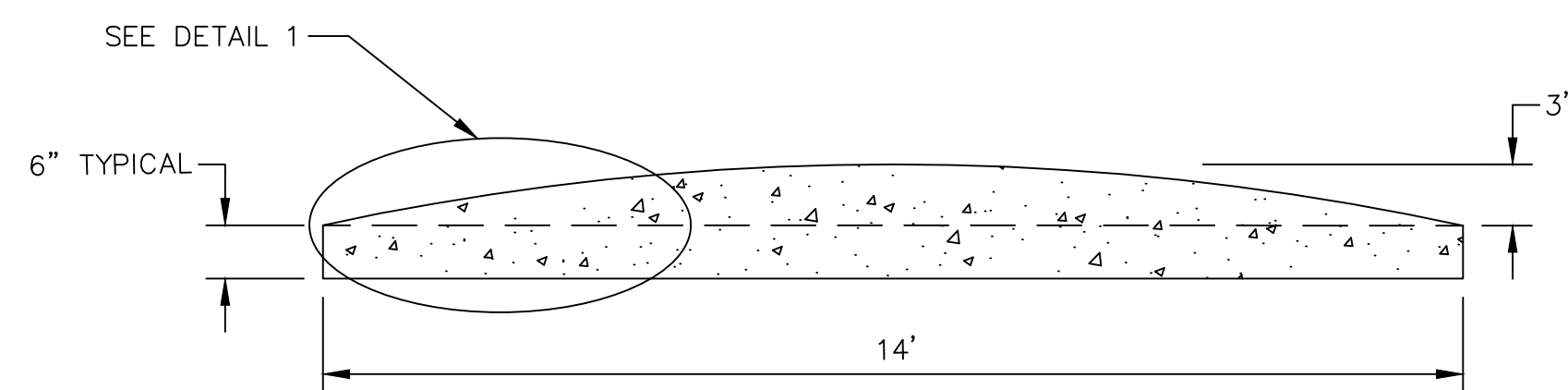
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
TRAFFIC CALMING DETAIL - CONCRETE SPEED TABLE DETAIL

SCALE PLAN: NTS
DRAWING No. 2022-004-11

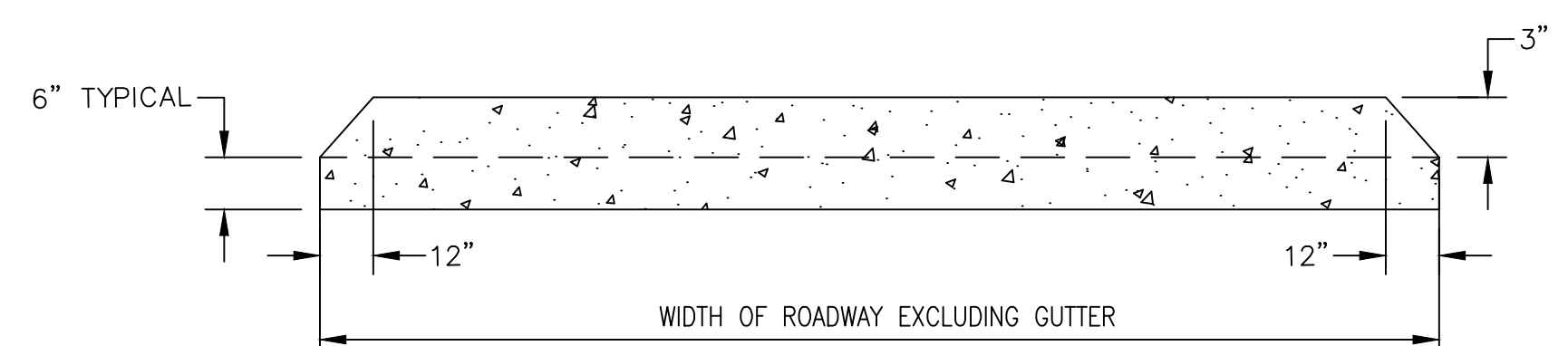
T:\2022004\Plan Production\Traffic Calming Detail.dwg Dwg Created: 14-Feb-22 - _a2 standard bw.stb - Plot Date: 9-Mar-22



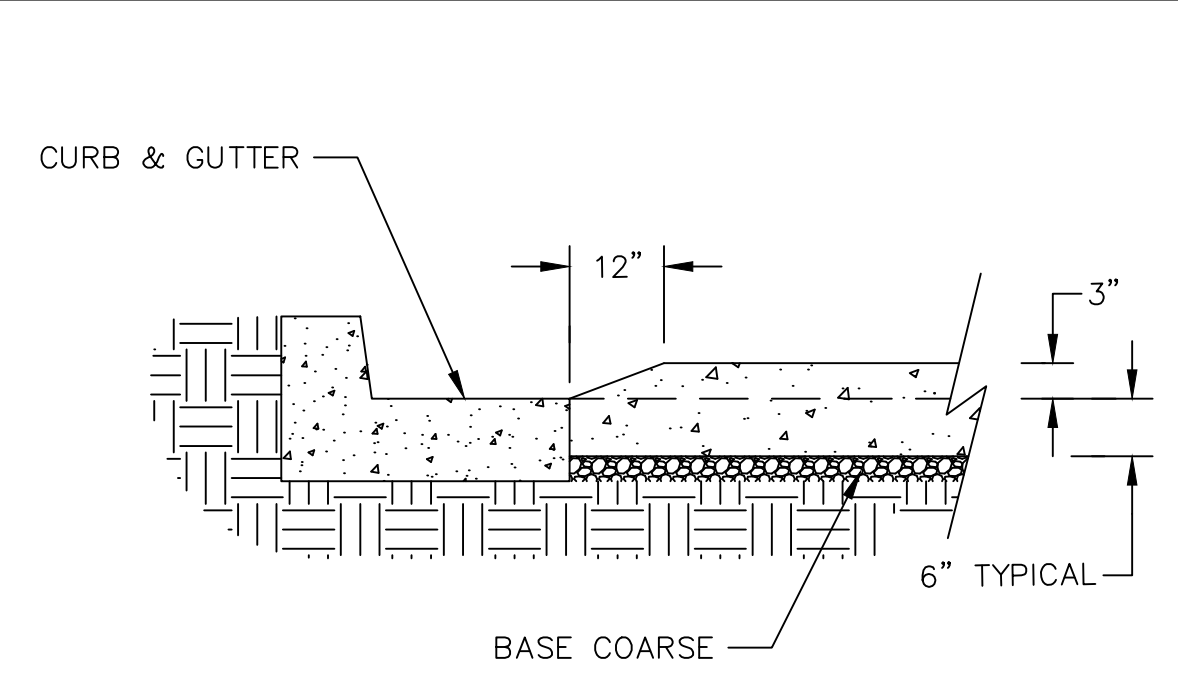
PLAN VIEW



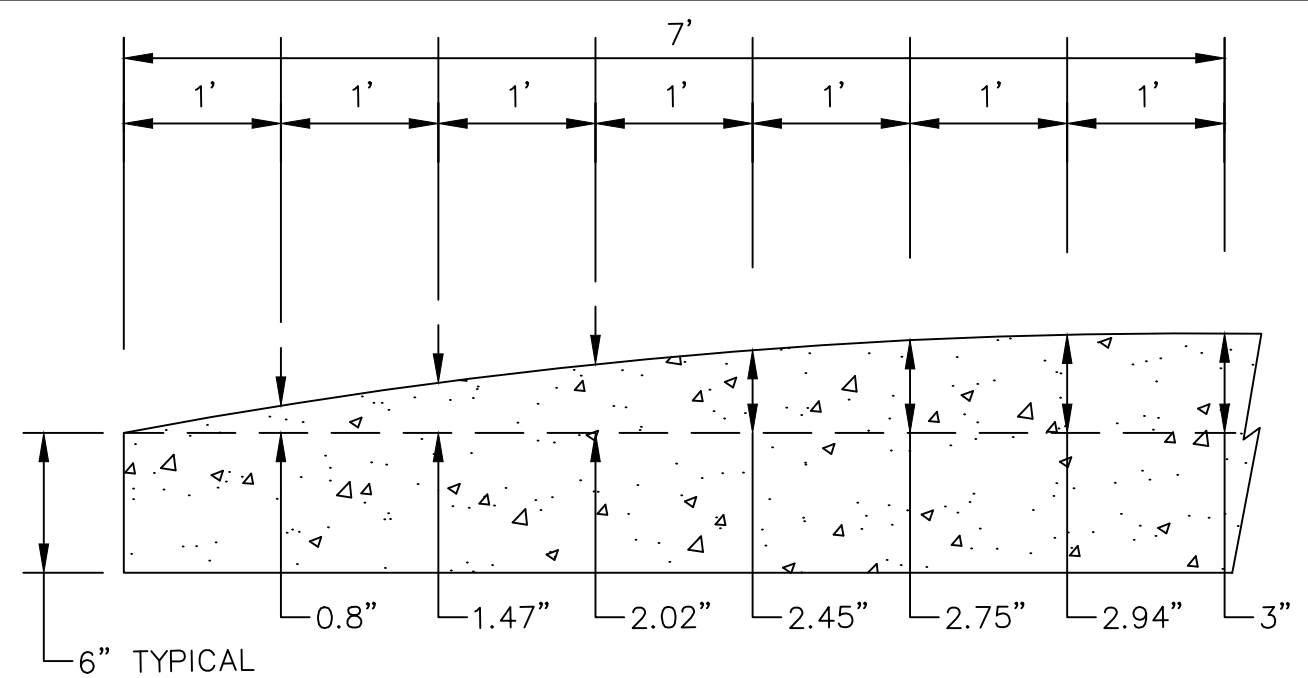
SECTION AA



SECTION BB



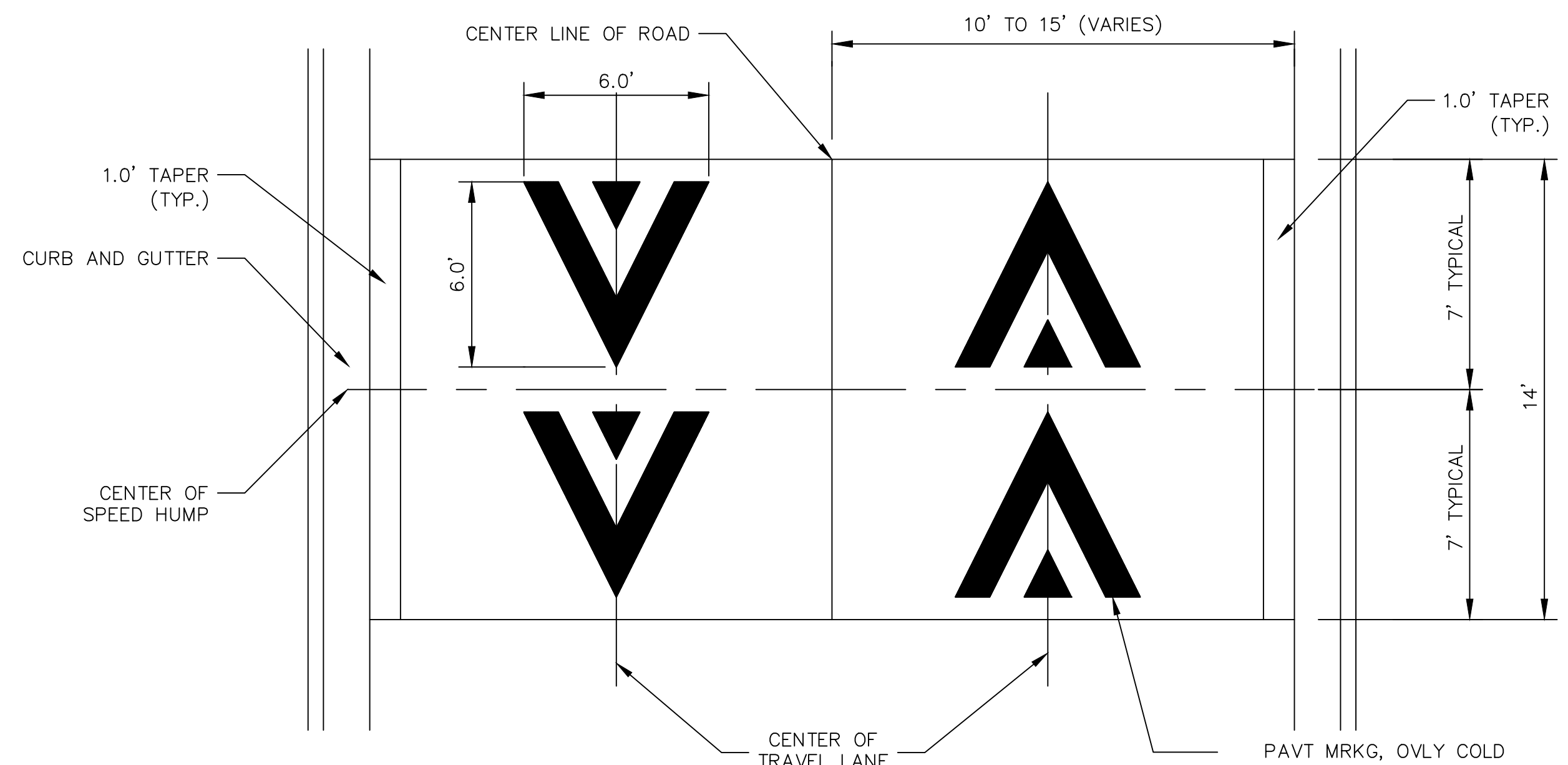
CURB DETAIL



DETAIL 1

CONCRETE SPEED HUMP DETAIL

SCALE: NOT TO SCALE



PAVEMENT MARKING DETAIL

SCALE: NOT TO SCALE

GENERAL NOTES

1. RAISED INTERSECTIONS SHALL FOLLOW THE SAME TAPER REQUIREMENT AS THE SPEED HUMPS DETAILED HEREIN.
2. PAYMENT FOR PAVEMENT MARKINGS FOR SPEED HUMPS AND RAISED INTERSECTIONS SHALL BE INCLUDED IN THE RESPECTIVE BID ITEMS AND SHALL NOT BE PAID FOR SEPARATELY.

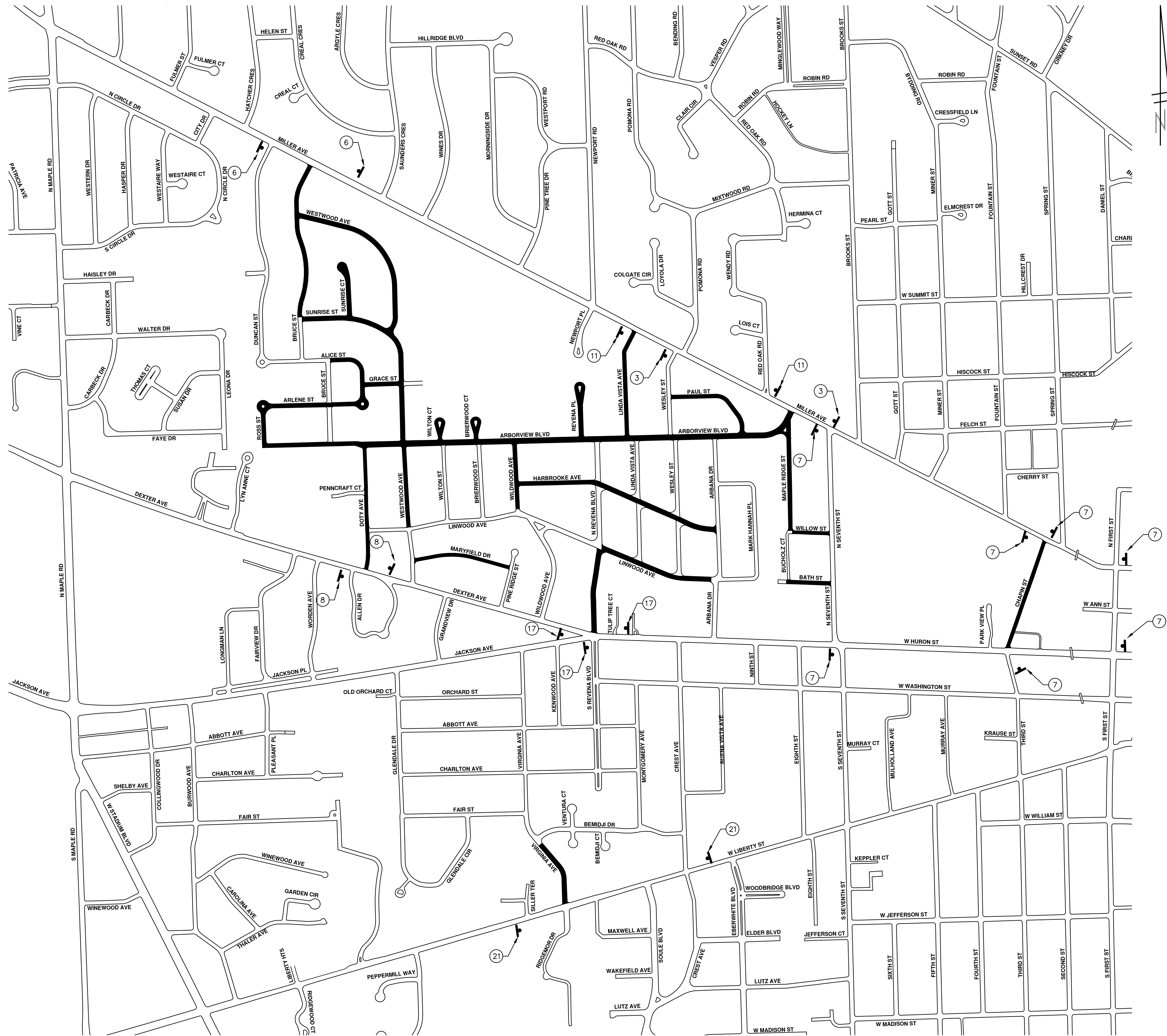


REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AG/CE/OS	DAD

CITY OF ANN ARBOR
 PUBLIC SERVICE
 301 EAST HURON STREET
 ANN ARBOR, MI 48106-8647
 ANN ARBOR: 734.794.4410
 www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
 STREET RESURFACING PROJECT - 2022
 TRAFFIC CALMING DETAIL - CONCRETE SPEED HUMP DETAIL

SCALE PLAN: NTS
 DRAWING No. 2022-004-12



TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
	W20-1 36x36	X	
①	D3-1	X	
②	D3-1	X	
③	D3-1	X	
④	D3-1	X	
⑤	D3-1	X	
⑥	D3-1	X	
⑦	D3-1	X	
⑧	D3-1	X	
⑨	D3-1	X	
⑩	D3-1	X	
⑪	D3-1	X	
⑫	D3-1	X	
⑬	D3-1	X	
⑭	D3-1	X	
⑮	D3-1	X	
⑯	D3-1	X	
⑰	D3-1	X	
⑱	D3-1	X	
⑲	D3-1	X	
⑲	D3-1	X	
⑲	D3-1	X	
⑲	D3-1	X	
⑲	D3-1	X	
⑲	D3-1	X	
⑲	D3-1	X	

CONSTRUCTION NOTES:

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING. VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

*** THIS IS THE MOST W20-1 THAT WILL BE USED AT ONE TIME

#* FOLLOW MDOT MAINTAINING TRAFFIC TYPICAL M0250a

#** FOLLOW MDOT MAINTAINING TRAFFIC TYPICAL M0232a



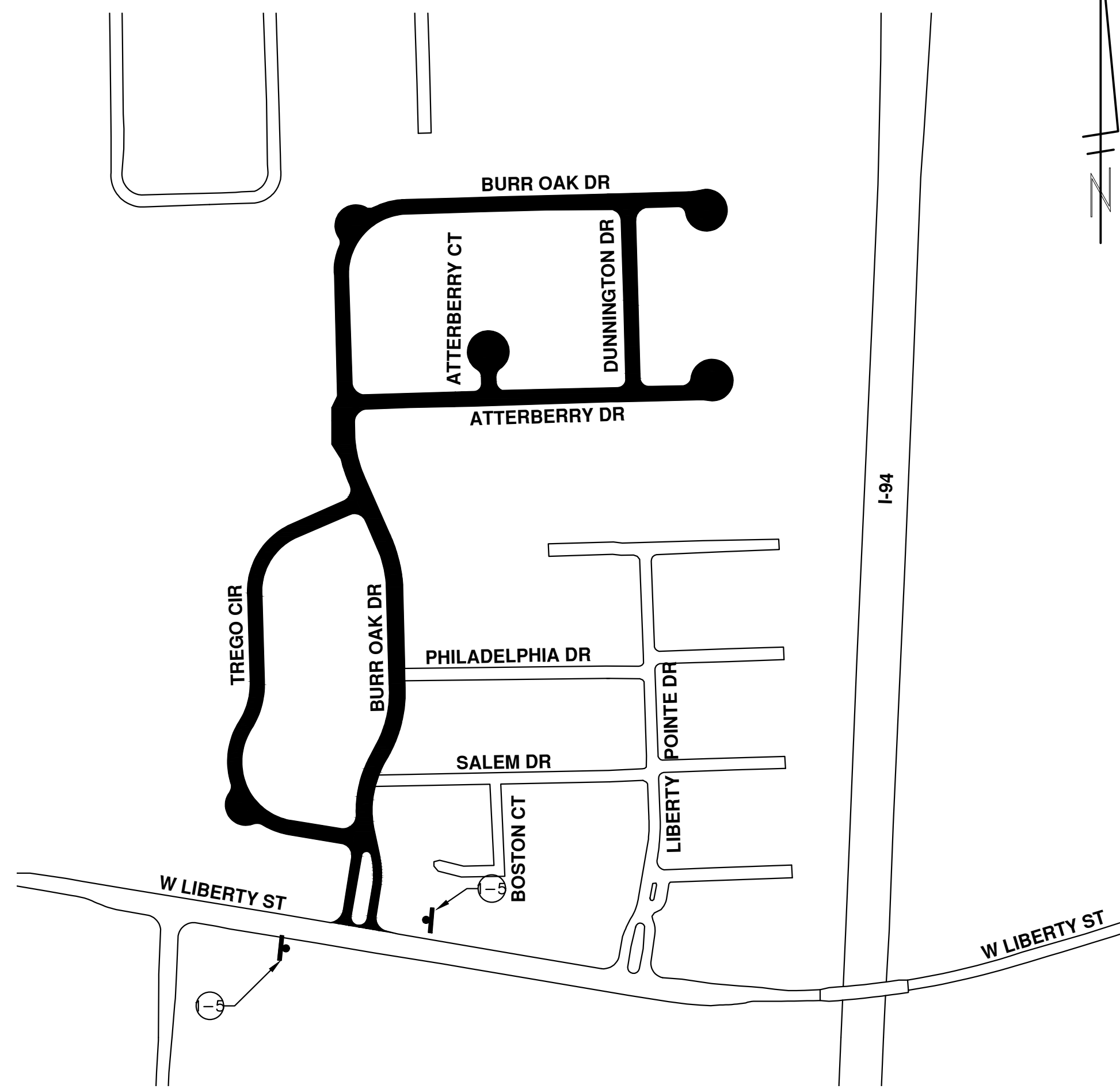
CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
www.a3gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022

LOCAL STREET TRAFFIC CONTROL-1

SCALE: NTS
DRAWING No. 2022-004-13
SHEET No.



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
		W20-1 36x36	X
①		D3-1	X
②		D3-1	X
③		D3-1	X
④		D3-1	X
⑤		D3-1	X



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
		W20-1 36x36	X
①		D3-1	X

CONSTRUCTION NOTES:

PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING. VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING AND PLACING TRAFFIC DEVICES.

*** THIS IS THE MOST W20-1 THAT WILL BE USED AT ONE TIME

FOLLOW MDOT MAINTAINING TRAFFIC TYPICAL M0250g

##* FOLLOW MDOT MAINTAINING TRAFFIC TYPICAL M0232g



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
ANN ARBOR 734.794.4410
www.a2gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
LOCAL STREET TRAFFIC CONTROL-2

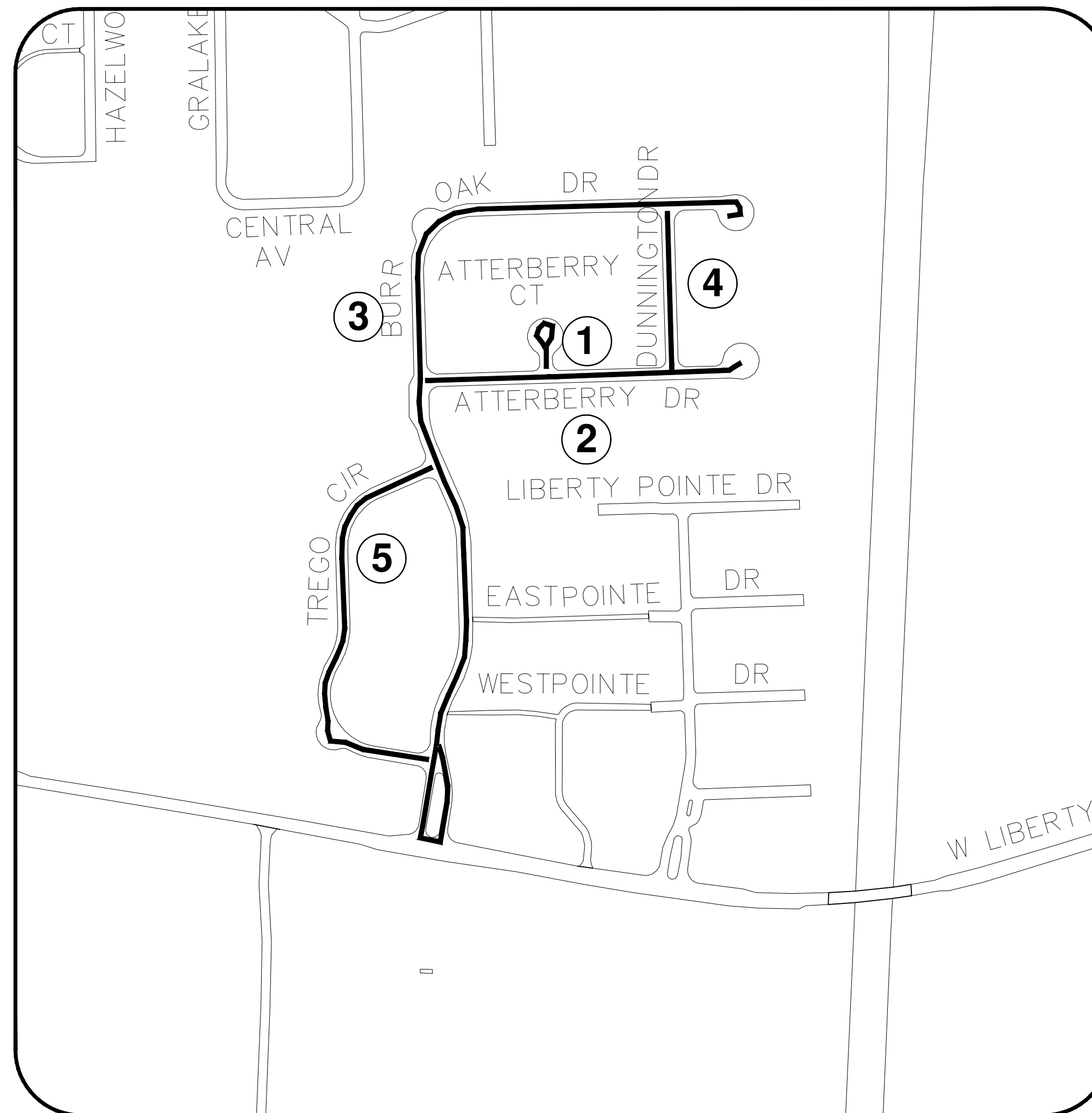
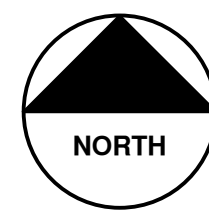
SCALE: NTS
DRAWING No. 2022-004-14



CITY OF ANN ARBOR ENGINEERING

STREET RESURFACING PROJECT - 2022 PHASE 1

RFP NO. 22-26 FILE No. 2022-004



SHEET INDEX

SHEET NO.	TITLE	MAP INDEX NO. (THIS SHEET)
16	ATTERBERRY CT	1
17	ATTERBERRY CT	2
18	BURR OAK DR	3
19	DUNNINGTON DR	4
20	TREGO CIR	5

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022		
			AC/CE/OS	DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
ANN ARBOR 734.794.6410
www.a2gov.org



ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING PROJECT - 2022
PHASE 1
COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-15



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: ATTERBERRY CT

RFP NO. 22-26 FILE No. 2022-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	..Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	90.000
2047011	..Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	43.000
2057011	..Grading, Sidewalk	Syd	22.000
2057011	..Grading, Sidewalk Ramp	Syd	20.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	2.000
4037050	..Dr Structure, Point	Ea	1.000
4037050	..Structure, Reconstruct	Ea	1.000
4047001	..Underdrain, Subgrade, 6 inch, Special	Ft	10.000
5010002	Cold Milling HMA Surface	Syd	893.000
5010005	HMA Surface, Rem	Syd	20.000
5010025	Hand Patching	Ton	2.000
5010703	HMA LVSP	Ton	104.000
6027021	..Flowable Fill	Cyd	2.000
8027001	..Curb and Gutter, Conc, Mountable	Ft	72.000
8030030	Curb Ramp Opening, Conc	Ft	18.000
8037001	..Detectable Warning Surface, Modified	Ft	15.000
8037010	..Sidewalk Ramp, Conc, 6 inch, Modified	Sft	180.000
8037010	..Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sft	10.000
8037010	..Sidewalk, Conc, 4 inch, Modified	Sft	200.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	1.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	1.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	20.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	20.000
8127050	..Pedestrian Type II Barricade, Temp	Ea	6.000
8127050	..Temporary No Parking Sign	Ea	7.000
8167011	..Slope Restoration	Syd	46.000
8507050	..HMA Surface, Around Structure Cover, Rem	Ea	1.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
0.0	*D3-1	Street Name Sign	4.000	0.000
0.0	R11-3a	Road Closed Local Traffic Only	12.500	0.000

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.

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. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
4. REMOVE EXISTING HMA SURFACE (APPROXIMATELY 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS TO A DEPTH DETERMINED BY THE ENGINEER.
5. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
6. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
7. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
8. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
9. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
10. REMOVE SESC MEASURES.
11. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES AND ALL OTHER NECESSARY CLEAN UP, FINAL RESTORATION.
12. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

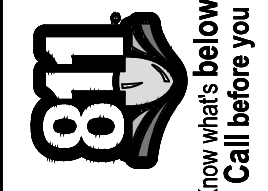
NOTES

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

T:\2022004\Plan Production\2022004 - Atterberry, Ct.dwg - _a2 standard bw.stb - Plot Date: 3/9/2022 12:07:21 PM



REV.	DESCRIPTION	DATE	AC/CE/OS	DAD	CHECKED
00	BID SET	3/9/2022			

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



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
ATTERBERRY CT
COVER SHEET

SCALE : NTS
DRAWING No. 2022-004-16

SHEET No.



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: ATTERBERRY DR

RFP NO. 22-26 FILE No. 2022-004

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.

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. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
4. REMOVE EXISTING HMA SURFACE (APPROXIMATELY 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS TO A DEPTH DETERMINED BY THE ENGINEER.
5. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
6. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
7. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
8. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
9. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
10. REMOVE SESC MEASURES.
11. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES AND ALL OTHER NECESSARY CLEAN UP, FINAL RESTORATION.
12. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	167.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	107.000
2057011	_Grading, Driveway Approach	Syd	20.000
2057011	_Grading, Sidewalk	Syd	61.000
2057011	_Grading, Sidewalk Ramp	Syd	26.000
2067050	Erosion Control, Inlet Protection, Fabric Drop	Ea	6.000
3077021	_Trenching, Modified	Cyd	0.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	1.000
4037050	_Dr Structure, Point	Ea	6.000
5010002	Cold Milling HMA Surface	Syd	3725.000
5010005	HMA Surface, Rem	Syd	37.000
5010025	Hand Patching	Ton	4.000
5010703	HMA, LVSP	Ton	431.000
6027021	_Flowable Fill	Cyd	3.000
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	20.000
8027001	_Curb and Gutter, Conc, Mountable	Ft	128.000
8030030	Curb Ramp Opening, Conc	Ft	39.000
8037001	_Detectable Warning Surface, Modified	Ft	25.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sr	237.000
8037010	_Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sr	30.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sr	550.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	40.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	40.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	4.000
8127050	_Temporary No Parking Sign	Ea	27.000
8167011	_Slope Restoration	Syd	83.000
8507050	_HMA Surface, Around Structure Cover, Rem	Ea	2.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
0	*D3-1	Street Name Sign	4.000	0.000
0	W20-1	Road Work Ahead Sign	9.000	0.000
0	R11-3a	Road Closed Local Traffic Only	12.500	0.000

T:\2022004\Plan_Production\2022004 - Atterberry, Dr.dwg - _a2 standard bw.stb - Plot Date: 3/9/2022 12:55:08 PM



REV.	00	BID SET	3/9/2022	DATE	AC/CE/OS	DAD	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
STREET RESURFACING PROJECT - 2022
ATTERBERRY DR
SUBSET COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-17

SHEET No.
17 OF 56



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: BURR OAK DR

RFP NO. 22-26 FILE No. 2022-004

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.

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. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
4. REMOVE EXISTING HMA SURFACE (APPROXIMATELY 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS TO A DEPTH DETERMINED BY THE ENGINEER.
5. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
6. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
7. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
8. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
9. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
10. REMOVE SESC MEASURES.
11. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES AND ALL OTHER NECESSARY CLEAN UP, FINAL RESTORATION.
12. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

NOTES

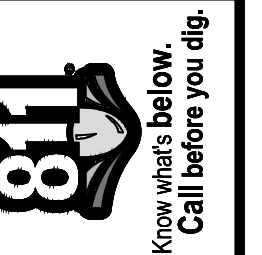
FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY 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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Fl	935.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	165.000
2057011	_Grading, Driveway Approach	Syd	21.000
2057011	_Grading, Sidewalk	Syd	73.000
2057011	_Grading, Sidewalk Ramp	Syd	70.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	17.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	2.000
4037050	_Dr Structure, Point	Ea	11.000
5010002	Cold Milling HMA Surface	Syd	9800.000
5010005	HMA Surface, Rem	Syd	208.000
5010025	Hand Patching	Ton	24.000
5010703	HMA, LVSP	Ton	1132.000
8017011	_Driveway, Nonrein Conc, 6 inch, Modified	Syd	21.000
8027001	_Curb and Gutter, Conc, Barrier	Fl	608.000
8027001	_Curb and Gutter, Conc, Mountable	Fl	251.000
8030030	Curb Ramp Opening, Conc	Fl	84.000
8037001	_Detectable Warning Surface, Modified	Fl	70.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	630.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	654.000
8110214	Pavt Mkg, Thermopl, 12 inch, Crosswalk	Fl	136.000
8110218	Pavt Mkg, Thermopl, 24 inch, Stop Bar	Fl	15.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	4.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	4.000
8120035	Channelizing Device, 42 inch, Fluorescent, Furn	Ea	20.000
8120036	Channelizing Device, 42 inch, Fluorescent, Oper	Ea	20.000
8120141	Lighted Arrow, Type C, Oper	Ea	1.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	62.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	62.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	74.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	74.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	16.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	16.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	8.000
8167011	_Slope Restoration	Syd	155.000
8507050	_HMA Surface, Around Structure Cover, Rem	Ea	19.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
4	*D3-1	Street Name Sign	4.000	16.000
4	W20-1	Road Work Ahead Sign	9.000	36.000
3	R11-3a	Road Closed Local Traffic Only	12.500	38.000



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 864
ANN ARBOR MI 48107-8647
www.aagov.org



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
BURR OAK DR
SUBSET COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-18



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: DUNNINGTON DR

RFP NO. 22-26 FILE No. 2022-004

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	210.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	82.000
2057011	_Grading, Sidewalk	Syd	50.000
2057011	_Grading, Sidewalk Ramp	Syd	32.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	2.000
4037050	_Dr Structure, Point	Ea	2.000
5010002	Cold Milling HMA Surface	Syd	1385.000
5010005	HMA Surface, Rem	Syd	47.000
5010025	Hand Patching	Ton	5.000
5010703	HMA, LVSP	Ton	160.000
6027021	_Flowable Fill	Cyd	4.000
8027001	_Curb and Gutter, Conc, Mountable	Ft	174.000
8030030	Curb Ramp Opening, Conc	Ft	36.000
8037001	_Detectable Warning Surface, Modified	Ft	30.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	288.000
8037010	_Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sft	15.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	450.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	20.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	20.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	6.000
8127050	_Temporary No Parking Sign	Ea	15.000
8167011	_Slope Restoration	Syd	85.000
8507050	_HMA Surface, Around Structure Cover, Rem	Ea	1.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sf)	Total Area (Sft)
0	*D3-1	Street Name Sign	4.000	0.000
0	W20-1	Road Work Ahead Sign	9.000	0.000
0	R11-4	Road Closed To Thru Traffic	12.500	0.000

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.

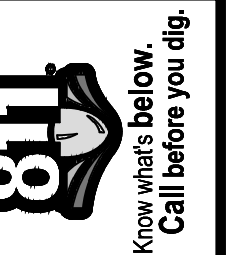
- INSTALL NO PARKING SIGNS (AS REQUIRED), AND ONCE THE SIGNS ARE ENFORCEABLE IMPLEMENT THE MAINTENANCE OF TRAFFIC (M.O.T.) PLAN AND PERMISSIBLE TRAFFIC RESTRICTIONS, AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- REMOVE EXISTING HMA SURFACE (APPROXIMATELY 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS TO A DEPTH DETERMINED BY THE ENGINEER.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
- OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- REMOVE SESC MEASURES.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES AND ALL OTHER NECESSARY CLEAN UP, FINAL RESTORATION.
- REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.



REV.	DATE	DESCRIPTION	BY	CHECKED
00	3/9/2022	BID SET	AC/CE/OS	DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 8647
ANN ARBOR MI 48107-8647
www.a2gov.org



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
DUNNINGTON DR
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-19

T:\2022004\Plan Production\2022004 - Dunnington Dr.dwg - _a2 standard bw.stb - Plot Date: 3/9/2022 12:57:15 PM



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: TREGO CIR

RFP NO. 22-26 FILE No. 2022-004

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.

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. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
4. REMOVE EXISTING HMA SURFACE (APPROXIMATELY 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS TO A DEPTH DETERMINED BY THE ENGINEER.
5. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
6. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
7. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
8. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
9. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
10. REMOVE SESC MEASURES.
11. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES AND ALL OTHER NECESSARY CLEAN UP, FINAL RESTORATION.
12. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

Item Code	Item Description	Unit	Quantity
2047001	._Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	357.000
2047011	._Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	97.000
2057011	._Grading, Sidewalk	Syd	67.000
2057011	._Grading, Sidewalk Ramp	Syd	31.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	8.000
4037050	._Dr Structure, Point	Ea	8.000
5010002	Cold Milling HMA Surface	Syd	3796.000
5010005	HMA Surface, Rem	Syd	79.000
5010025	Hand Patching	Ton	9.000
5010703	HMA, LVSP	Ton	439.000
8027001	._Curb and Gutter, Conc, Barrier	Ft	18.000
8027001	._Curb and Gutter, Conc, Mountable	Ft	280.000
8030030	Curb Ramp Opening, Conc	Ft	59.000
8037001	._Detectable Warning Surface, Modified	Ft	40.000
8037010	._Sidewalk Ramp, Conc, 6 inch, Modified	Sft	277.000
8037010	._Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sft	20.000
8037010	._Sidewalk, Conc, 4 inch, Modified	Sft	600.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	30.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	30.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	43.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	43.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	8.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	8.000
8127050	._Pedestrian Type II Barricade, Temp	Ea	4.000
8127050	._Temporary No Parking Sign	Ea	34.000
8167011	._Slope Restoration	Syd	90.000
8507050	._HMA Surface, Around Structure Cover, Rem	Ea	5.000

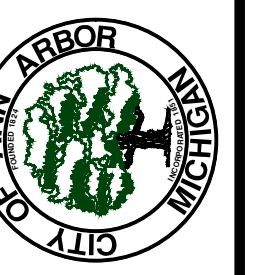
QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
2.0	R11-4	Road Closed To Thru Traffic	12.500	25.000

T:\2022004\Plan Production\2022004 - Trego Circle.dwg - _a2 standard bw.stb - Plot Date: 3/9/2022 1:13:34 PM



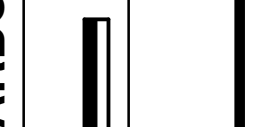
REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

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



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
TREGO CIR
SUBSET COVER SHEET

SCALE : NTS
DRAWING No.
2022-004-20

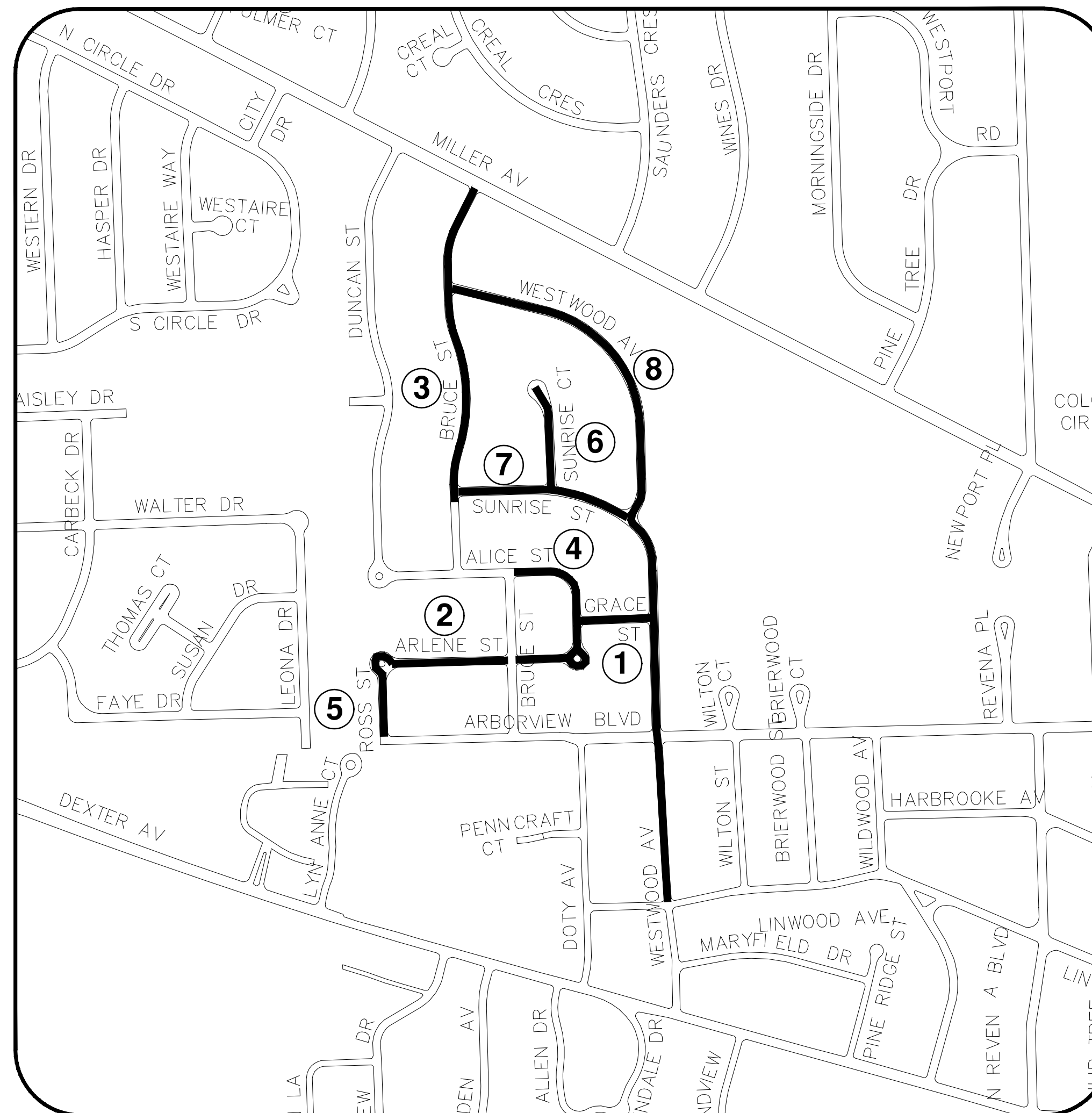
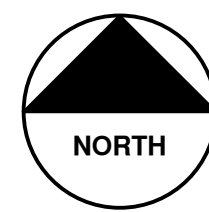




CITY OF ANN ARBOR ENGINEERING

STREET RESURFACING PROJECT - 2022 PHASE 2

RFP NO. 22-26 FILE No. 2022-004



SHEET INDEX

SHEET NO.	TITLE	MAP INDEX NO. (THIS SHEET)
22	ALICE ST	1
23	ARLENE ST	2
24	BRUCE ST	3
25	GRACE ST	4
26	ROSS ST	5
27	SUNRISE CT	6
28	SUNRISE ST	7
29	WESTWOOD AVE	8

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

T:\2022004\Plan Production\2022004 - Phase 2 Cover Sheet.dwg Dwg Created: 15-Feb-22 - _g2 standard bw.stb - Plot Date: 9-Mar-22



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
734.794.4410
www.a2gov.org



ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING PROJECT - 2022
PHASE 2
COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-21



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: ALICE STREET

RFP NO. 22-26 FILE No. 2022-004

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.

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 (LVSP).
11. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
12. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
13. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
14. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
15. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
16. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. REMOVE ALL SESC MEASURES.
19. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
20. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	1.000
2030015	Sewer, Rem, Less than 24 inch	Ft	10.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	145.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	6.000
2057011	_Grading, Sidewalk Ramp	Syd	6.000
2057011	_Machine Grading, Special	Syd	1097.000
2057021	_Undercutting, Type IA	Cyd	37.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	3.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	10.000
4021260	Trench Undercut and Backfill	Cyd	3.000
4030200	Dr Structure, 24 inch dia	Ea	1.000
4037050	_Dr Structure Cover, Type B, Modified	Ea	3.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	1.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	3.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	3.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	10.000
4047001	_Yard Drain, Outlet Ending, Plastic Pipe	Ft	1.000
5010002	Cold Milling HMA Surface	Syd	1097.000
5010005	HMA Surface, Rem	Syd	44.000
5010025	Hand Patching	Ton	2.000
5010703	HMA, LVSP	Ton	254.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	89.000
5017031	_HMA, Wedging, 36A	Ton	3.080
6027021	_Flowable Fill	Cyd	3.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	147.000
8030030	Curb Ramp Opening, Conc	Ft	6.000
8037001	_Detectable Warning Surface, Modified	Ft	5.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	56.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	10.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	10.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	3.000
8127050	_Temporary No Parking Sign	Ea	10.000
8167011	_Slope Restoration	Syd	49.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
3.0	*D3-1	Street Name Sign	4.000	12.000
1.0	R11-4	Road Closed To Thru Traffic	12.500	13.000

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.



REV.	00	BID SET	3/9/2022	AC/CE/OS	DAD	CHECKED

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



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
ALICE STREET
SUBSET COVER SHEET



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: ARLENE STREET

RFP NO. 22-26 FILE No. 2022-004

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.
- 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.
- 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.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED 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 LEVELING COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
- OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- REMOVE ALL SESC MEASURES.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	7.000
2030015	Sewer, Rem, Less than 24 inch	Ft	70.000
2047001	Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	195.000
2047011	Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	37.000
2057011	Grading, Driveway Approach	Syd	21.000
2057011	Grading, Sidewalk	Syd	3.000
2057011	Grading, Sidewalk Ramp	Syd	12.000
2057011	Machine Grading, Special	Syd	3017.000
2057021	Undercutting, Type IIA	Cyd	101.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	14.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	70.000
4021260	Trench Undercut and Backfill	Cyd	21.000
4030200	Dr Structure, 24 inch dia	Ea	7.000
4037050	Dr Structure Cover, Type B, Modified	Ea	6.000
4037050	Dr Structure Cover, Type D, Modified	Ea	2.000
4037050	Dr Structure Cover, Type K, Modified	Ea	7.000
4037050	Dr Structure, Adj, Case 1, Modified	Ea	9.000
4037050	Dr Structure, Temp Lowering Modified	Ea	7.000
4047001	Underdrain, Subgrade, 6 inch, Special	Ft	70.000
5010002	Cold Milling HMA Surface	Syd	3017.000
5010005	HMA Surface, Rem	Syd	94.000
5010025	Hand Patching	Ton	3.000
5010703	HMA, LVSP	Ton	698.000
5017011	Cold Milling for Concrete Curb and Gutter Reveal	Syd	278.000
5017031	HMA, Wedging, 36A	Ton	7.920
6027021	Flowable Fill	Cyd	4.000
8017011	Driveway, Nonrein Conc, 6 inch, Modified	Syd	21.000
8027001	Curb and Gutter, Conc, Barrier	Ft	154.000
8027001	Driveway Opening, Conc, Det M, Modified	Ft	42.000
8030030	Curb Ramp Opening, Conc	Ft	12.000
8037001	Detectable Warning Surface, Modified	Ft	10.000
8037010	Sidewalk Ramp, Conc, 6 inch, Modified	Sft	112.000
8037010	Sidewalk, Conc, 4 inch, Modified	Sft	25.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	4.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	4.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	26.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	26.000
8127050	Pedestrian Type II Barricade, Temp	Ea	2.000
8127050	Temporary No Parking Sign	Ea	27.000
8167011	Slope Restoration	Syd	76.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sf)	Total Area (Sft)
4.0	*D3-1	Street Name Sign	4.000	16.000
3.0	R11-4	Road Closed To Thru Traffic	12.500	38.000

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.



REV.	DATE	DESCRIPTION	DRAWN	CHECKED
00	3/9/2022		AC/CE/OS	DAD
		BID SET		

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



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
ARLENE STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-23



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: BRUCE STREET

RFP NO. 22-26 FILE No. 2022-004

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.

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. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
4. REMOVE EXISTING HMA SURFACE (APPROXIMATELY 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS TO A DEPTH DETERMINED BY THE ENGINEER.
5. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
6. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
7. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
8. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
9. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
10. REMOVE SESC MEASURES.
11. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES AND ALL OTHER NECESSARY CLEAN UP, FINAL RESTORATION.
12. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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.

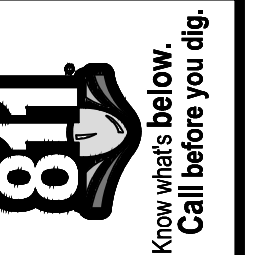
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	6.000
2030015	Sewer, Rem, Less than 24 inch	Ft	60.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	222.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	39.000
2057011	_Grading, Driveway Approach	Syd	39.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	8.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	60.000
4021290	Trench Undercut and Backfill	Cyd	18.000
4030200	Dr Structure, 24 inch dia	Ea	6.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	7.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	1.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	60.000
5010002	Cold Milling HMA Surface	Syd	3901.000
5010005	HMA Surface, Rem	Syd	199.000
5010025	Hand Patching	Ton	6.000
5010703	HMA, LVSP	Ton	439.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	348.000
5017031	_HMA, Wedging, 36A	Ton	9.000
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	39.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	170.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	66.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	3.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	3.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	25.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	25.000
8120310	Sign Cover	Ea	2.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	95.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	95.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	20.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	20.000
8127050	_Temporary No Parking Sign	Ea	34.000
8167011	_Slope Restoration	Syd	88.000
8507050	_HMA Surface, Around Structure Cover, Rem	Ea	15.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
5.0	*D3-1	Street Name Sign	4.000	20.000
5.0	W20-1	Road Work Ahead Sign	9.000	45.000
4.0	R11-3a	Road Closed Local Traffic Only	12.500	50.000

T:\2022004\Plan Production\2022004 - Bruce Street.dwg - _c2_standard bw.stb - Plot Date: 3/9/2022 1:36:57 PM



REV.	DESCRIPTION	DATE	AC/CE/OS	DRAWN	CHECKED
00	BID SET	3/9/2022			DAD

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



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
BRUCE STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-24



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: GRACE STREET

RFP NO. 22-26 FILE No. 2022-004

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.
- 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.
- 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.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED 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 LEVELING COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
- OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- REMOVE ALL SESC MEASURES.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	2,000
2030015	Sewer, Rem, Less than 24 inch	Ft	20,000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	260,000
2047001	_Exploratory Excavation, Vertical	Ft	1,000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	75,000
2057011	_Grading, Driveway Approach	Syd	12,000
2057011	_Grading, Sidewalk	Syd	25,000
2057011	_Grading, Sidewalk Ramp	Syd	37,000
2057011	_Machine Grading, Special	Syd	873,000
2057021	_Undercutting, Type IIA	Cyd	29,000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	3,000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	20,000
4021260	Trench Undercut and Backfill	Cyd	6,000
4030200	Dr Structure, 24 inch dia	Ea	2,000
4037050	_Dr Structure Cover, Type B, Modified	Ea	2,000
4037050	_Dr Structure Cover, Type K, Modified	Ea	2,000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	2,000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	2,000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	20,000
5010002	Cold Milling HMA Surface	Syd	873,000
5010005	HMA Surface, Rem	Syd	29,000
5010025	Hand Patching	Ton	3,000
5010703	HMA, LVSP	Ton	202,000
6027021	_Flowable Fill	Cyd	5,000
8017011	_Driveway, Nonrein Conc, 6 inch, Modified	Syd	12,000
8027001	_Curb and Gutter, Conc, Barrier	Ft	170,000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	42,000
8030030	Curb Ramp Opening, Conc	Ft	48,000
8037001	_Detectable Warning Surface, Modified	Ft	40,000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	334,000
8037010	_Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sft	40,000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	225,000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2,000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2,000
8120252	Plastic Drum, Fluorescent, Furn	Ea	20,000
8120253	Plastic Drum, Fluorescent, Oper	Ea	20,000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	31,000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	31,000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	8,000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	8,000
8127050	_Pedestrian Type II Barricade, Temp	Ea	6,000
8127050	_Temporary No Parking Sign	Ea	8,000
8167011	_Slope Restoration	Syd	120,000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
2	*D3-1	Street Name Sign	4,000	8,000
2	W20-1	Road Work Ahead Sign	9,000	18,000
1	R11-3a	Road Closed Local Traffic Only	12,500	13,000



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

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



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
GRACE STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-25



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: ROSS STREET

RFP NO. 22-26 FILE No. 2022-004

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.
- 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.
- 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.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED 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 LEVELING COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
- OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- REMOVE ALL SESC MEASURES.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	4,000
2030015	Sewer, Rem, Less than 24 inch	Ft	40,000
2047001	..Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	90,000
2057011	..Machine Grading, Special	Syd	1501,000
2057021	..Undercutting, Type IIA	Cyd	50,000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	4,000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	40,000
4021290	Trench Undercut and Backfill	Cyd	12,000
4030200	Dr Structure, 24 inch dia	Ea	4,000
4037050	..Dr Structure Cover, Type K, Modified	Ea	4,000
4037050	..Dr Structure, Temp Lowering, Modified	Ea	1,000
4047001	..Underdrain, Subgrade, 6 inch, Special	Ft	40,000
4047001	..Yard Drain, Outlet Ending, Plastic Pipe	Ft	1,000
5010002	Cold Milling HMA Surface	Syd	1501,000
5010005	HMA Surface, Rem	Syd	19,000
5010025	Hand Patching	Ton	1,000
5010703	HMA, LVSP	Ton	347,000
5017011	..Cold Milling for Concrete Curb and Gutter Reveal	Syd	136,000
5017031	..HMA, Wedging, 36A	Ton	1,000
6027021	..Flowable Fill	Cyd	2,000
8027001	..Curb and Gutter, Conc, Barrier	Ft	93,000
8027001	..Driveway Opening, Conc, Det M, Modified	Ft	5,000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2,000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2,000
8120252	Plastic Drum, Fluorescent, Furn	Ea	14,000
8120253	Plastic Drum, Fluorescent, Oper	Ea	14,000
8127050	..Temporary No Parking Sign	Ea	13,000
8167011	..Slope Restoration	Syd	31,000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sf)	Total Area (Sft)
1	*D3-1	Street Name Sign	4,000	4,000
1	W20-1	Road Work Ahead Sign	9,000	9,000
1	R11-4	Road Closed To Thru Traffic	12,500	13,000

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.



REV	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

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



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
ROSS STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-26



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: SUNRISE CT

RFP NO. 22-26 FILE No. 2022-004

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.

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 (LVSP).
11. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
12. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
13. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
14. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
15. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
16. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. REMOVE ALL SESC MEASURES.
19. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
20. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2057011	_Machine Grading, Special	Syd	1735.000
2057021	_Undercutting, Type IIA	Cyd	33.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	4.000
5010002	Cold Milling HMA Surface	Syd	1735.000
5010005	HMA Surface, Rem	Syd	46.000
5010703	HMA, LVSP	Ton	392.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	109.330
5017031	_HMA, Wedging, 36A	Ton	3.000
8110214	Pavt Mrlng, Thermopl, 12 Inch, Crosswalk	Ft	88.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	1.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	1.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	10.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	10.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sqft)	Total Area (Sqft)
0.0	*D3-1	Street Name Sign	4.000	0.000
0.0	W20-1	Road Work Ahead Sign	9.000	0.000
0.0	R11-3a	Road Closed Local Traffic Only	12.500	0.000

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 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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

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



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
SUNRISE CT
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-27



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: SUNRISE STREET

RFP NO. 22-26 FILE No. 2022-004

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.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- REMOVE EXISTING HMA SURFACE (APPROXIMATELY 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS TO A DEPTH DETERMINED BY THE ENGINEER.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
- OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- REMOVE SESC MEASURES.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES AND ALL OTHER NECESSARY CLEAN UP, FINAL RESTORATION.
- REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	2.000
2030015	Sewer, Rem, Less than 24 inch	Ft	20.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	50.000
2057011	_Grading, Driveway Approach	Syd	8.000
2057011	_Grading, Sidewalk	Syd	17.000
2057011	_Grading, Sidewalk Ramp	Syd	9.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	12.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	20.000
4021260	Trench Undercut and Backfill	Cyd	6.000
4030200	Dr Structure, 24 inch dia	Ea	2.000
4037050	_Dr Structure Cover, Type D, Modified	Ea	1.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	1.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	20.000
5010002	Cold Milling HMA Surface	Syd	2310.000
5010005	HMA Surface, Rem	Syd	68.000
5010025	Hand Patching	Ton	3.000
5010703	HMA, LVSP	Ton	267.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	192.000
5017031	_HMA, Wedging, 36A	Ton	4.840
8017011	_Driveway, Nonrein Conc, 6 inch, Modified	Syd	8.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	60.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	33.000
8030030	Curb Ramp Opening, Conc	Ft	14.000
8037001	_Detectable Warning Surface, Modified	Ft	10.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	84.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	150.000
8110214	Pavt Mkg, Thermopl, 12 inch, Crosswalk	Ft	91.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	3.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	3.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	25.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	25.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	52.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	52.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	12.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	12.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	2.000
8127050	_Temporary No Parking Sign	Ea	18.000
8167011	_Slope Restoration	Syd	70.000
8507050	_HMA Surface, Around Structure Cover, Rem	Ea	6.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
3.0	*DS-1	Street Name Sign	4.000	12.000
3.0	W20-1	Road Work Ahead Sign	9.000	27.000
2.0	R11-4	Road Closed To Thru Traffic	12.500	25.000



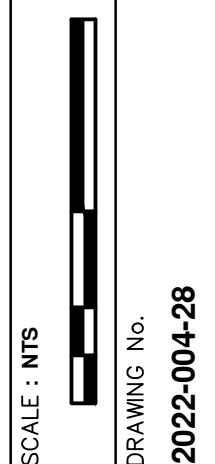
REV	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/JS	DAD

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



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
SUNRISE STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-28





CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: WESTWOOD AVE

ITB No. RFP NO. 22-26 FILE No. 2022-004

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

REV.	00	BID SET		
		DATE	3/9/2022	
		AC/CE/OS		DRAWN
		DAD		CHECKED

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MICHIGAN 48107-8647
www.a2gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
WESTWOOD AVE
SUBSET COVER SHEET
SCALE: NTS
DRAWING No. 2022-004-29
SHEET No. 29 OF 56

Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	9.000
2030015	Sewer, Rem, Less than 24 inch	Fl	90.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	97.000
2057011	_Grading, Driveway Approach	Syd	18.000
2057011	_Grading, Sidewalk	Syd	33.000
2057011	_Grading, Sidewalk Ramp	Syd	31.000
2057011	_Machine Grading, Special	Syd	10132.000
2057021	_Undercutting, Type IIA	Cyd	338.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	21.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Fl	90.000
4021280	Trench Undercut and Backfill	Cyd	27.000
4030200	Dr Structure, 24 inch dia	Ea	9.000
4037050	_Dr Structure Cover, Type B, Modified	Ea	28.000
4037050	_Dr Structure Cover, Type D, Modified	Ea	1.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	11.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	31.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	29.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Fl	90.000
5010002	Cold Milling HMA Surface	Syd	10132.000
5010005	HMA Surface, Rem	Syd	302.000
5010025	Hand Patching	Ton	5.000
5010703	HMA, LVSP	Ton	2341.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	902.000
5017031	_HMA, Wedging, 36A	Ton	28.550
6027021	_Flowable Fill	Cyd	7.000
8017011	_Driveway, Nonrein Conc, 6 inch, Modified	Syd	18.000
8027001	_Curb and Gutter, Conc, Barrier	Fl	293.000
8027001	_Driveway Opening, Conc, Det M, Modified	Fl	61.000
8030030	Curb Ramp Opening, Conc	Fl	49.000
8037001	_Detectable Warning Surface, Modified	Fl	35.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	282.000
8037010	_Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sft	120.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	300.000
8110214	Pavlt Mrkg, Thermopl, 12 inch, Crosswalk	Fl	238.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	6.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	6.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	60.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	60.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	126.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	126.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	28.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	28.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	6.000
8127050	_Temporary No Parking Sign	Ea	83.000
8167011	Slope Restoration	Syd	190.000
8230421	Water Shutoff, Adj, Case 1	Ea	1.000
8230431	Gate Box, Adj, Case 1	Ea	1.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
7.0	*DS-1	Street Name Sign	4.000	28.000
7.0	W20-1	Road Work Ahead Sign	9.000	63.000
5.0	R11-3a	Road Closed Local Traffic Only	12.500	63.000

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.
- 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.
- 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.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED 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 LEVELING COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
- OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- REMOVE ALL SESC MEASURES.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.



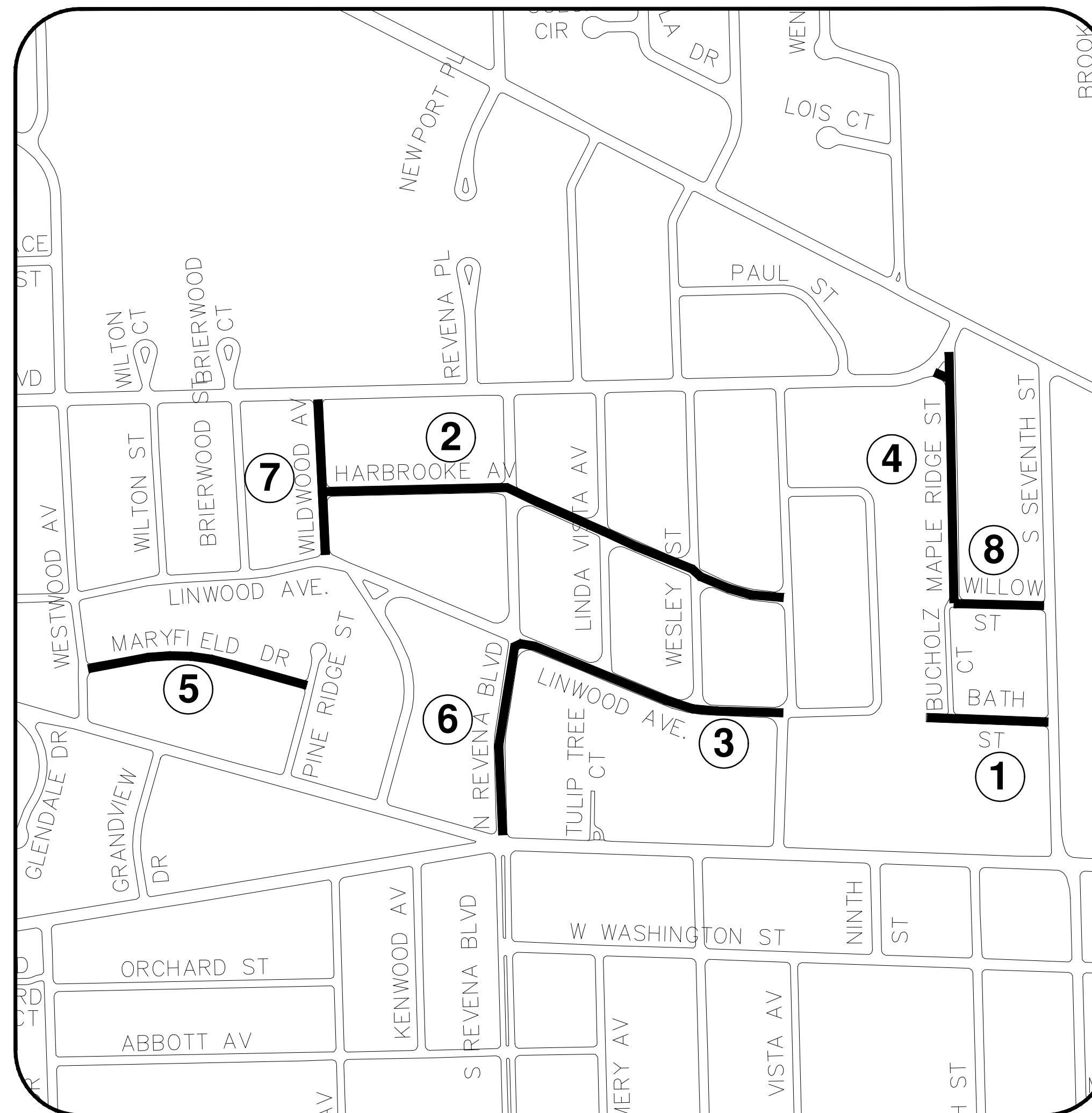
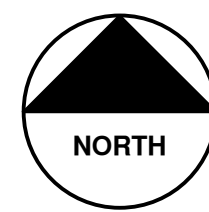
ENGINEERING
CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET, P.O. BOX 8647
ANN ARBOR, MICHIGAN 48107-8647
734-794-6410 www.a2gov.org



CITY OF ANN ARBOR ENGINEERING

STREET RESURFACING PROJECT - 2022 PHASE 3

RFP NO. 22-26 FILE No. 2022-004



SHEET INDEX

SHEET NO.	TITLE	MAP INDEX NO. (THIS SHEET)
30	BATH ST	1
31	HARBROOKE AVE	2
32	LINWOOD AVE	3
33	MAPLERIDGE ST	4
34	MARYFIELD DR	5
35	N REVENA BLVD	6
36	WILDWOOD AVE	7
37	WILLOW ST	8

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

T:\2022004\Plan Production\2022004 - Phase 3 Cover Sheet.dwg Dwg Created: 15-Feb-22 - _g2 standard bw.stb - Plot Date: 9-Mar-22



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022		
			AC/CE/OS	DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
ANN ARBOR 734.794.6410
www.a2gov.org



ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING PROJECT - 2022
PHASE 3
COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-30



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: BATH STREET

RFP NO. 22-26 FILE No. 2022-004

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.

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 (LVSP).
11. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
12. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
13. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
14. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
15. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
16. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. REMOVE ALL SESC MEASURES.
19. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
20. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	189,000
2047001	_Exploratory Excavation, Vertical	Ft	1,000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	48,000
2057011	_Grading, Driveway Approach	Syd	48,000
2057011	_Machine Grading, Special	Syd	967,000
2057021	_Undercutting, Type IIA	Cyd	32,000
4037050	_Dr Structure Cover, Type B, Modified	Ea	2,000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	2,000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	2,000
4047001	_Yard Drain, Outlet Ending, Plastic Pipe	Ft	1,000
4047050	_Yard Drain, Outlet Ending, Pop-up Apparatus	Ea	1,000
5010002	Cold Milling HMA Surface	Syd	967,000
5010005	HMA Surface, Rem	Syd	25,000
5010025	Hand Patching	Ton	2,000
5010703	HMA, LVSP	Ton	224,000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	69,000
5017031	_HMA, Wedging, 36A	Ton	2,000
6027021	_Flowable Fill	Cyd	4,000
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	48,000
8027001	_Curb and Gutter, Conc, Barrier	Ft	91,000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	98,000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2,000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2,000
8120252	Plastic Drum, Fluorescent, Furn	Ea	11,000
8120253	Plastic Drum, Fluorescent, Oper	Ea	11,000
8127050	_Pedestrian Type II Barricade, Temp	Ea	2,000
8127050	_Temporary No Parking Sign	Ea	9,000
8167011	_Slope Restoration	Syd	76,000
8230421	Water Shutoff, Adj, Case 1	Ea	1,000

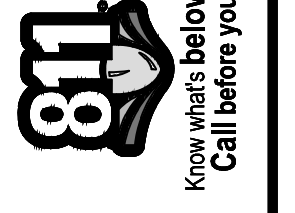
QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sqft)	Total Area (Sqft)
2	*D3-1	Street Name Sign	4,000	8,000
2	W20-1	Road Work Ahead Sign	9,000	18,000
1	R11-3a	Road Closed Local Traffic Only	12,500	13,000

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.

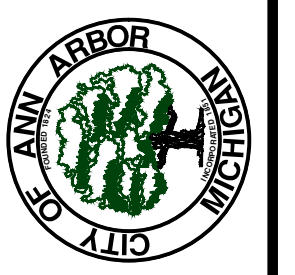
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

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



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
BATH STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-31

SHEET No.



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: HARBROOKE AVE

RFP NO. 22-26 FILE No. 2022-004

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.

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 REMOVE WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
3. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
4. REMOVE EXISTING HMA SURFACE (APPROXIMATELY 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS TO A DEPTH DETERMINED BY THE ENGINEER.
5. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
6. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
7. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
8. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
9. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
10. REMOVE SESC MEASURES.
11. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES AND ALL OTHER NECESSARY CLEAN UP, FINAL RESTORATION.
12. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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.

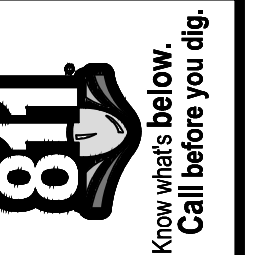
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	7.000
2030015	Sewer, Rem, Less than 24 inch	Fl	70.000
2047001	..Curb, Gutter, and Curb and Gutter, Any Type, Rem	Fl	621.000
2047011	..Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	69.000
2057011	..Grading, Driveway Approach	Syd	33.000
2057011	..Grading, Sidewalk Ramp	Syd	36.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	14.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Fl	70.000
4021280	Trench Undercut and Backfill	Cyd	21.000
4030200	Dr Structure, 24 inch dia	Ea	7.000
4037050	..Dr Structure Cover, Type K, Modified	Ea	7.000
4037050	..Dr Structure, Adj, Case 1, Modified	Ea	1.000
4047001	..Underdrain, Subgrade, 6 inch, Special	Fl	70.000
5010002	Cold Milling HMA Surface	Syd	5270.000
5010005	HMA Surface, Rem	Syd	138.000
5010025	Hand Patching	Ton	16.000
8017011	..Driveway, Nonrein Conc, 6 inch, Modified	Syd	33.000
8027001	..Curb and Gutter, Conc, Barrier	Fl	192.000
8027001	..Driveway Opening, Conc, Det M, Modified	Fl	381.000
8030030	Curb Ramp Opening, Conc	Fl	62.000
8037001	..Detectable Warning Surface, Modified	Fl	40.000
8037010	..Sidewalk Ramp, Conc, 6 inch, Modified	Sfl	322.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	10.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	10.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	44.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	44.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sfl	197.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sfl	197.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sfl	32.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sfl	32.000
8127050	..Pedestrian Type II Channelizer, Temp	Ea	6.000
8127050	..Temporary No Parking Sign	Ea	46.000
8167011	..Slope Restoration	Syd	210.000
8507050	..HMA Surface, Around Structure Cover, Rem	Ea	17.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
10	*D3-1	Street Name Sign	4.000	40.000
10	W20-1	Road Work Ahead Sign	9.000	90.000
10	R11-4	Road Closed To Thru Traffic	12.500	125.000

T:\2022004\Plan Production\2022004 - Harbrooke Ave.dwg - _o2 standard bw.stb - Plot Date: 3/9/2022 1:51:15 PM



00	BID SET	3/9/2022	AC/CE/OS	DAD	CHECKED
					DRAWN
					REV.

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 864
ANN ARBOR MI 48107-0864
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
HARBROOKE AVE
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-32



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: LINWOOD AVE

RFP NO. 22-26 FILE No. 2022-004

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.
- 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.
- 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.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED 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 LEVELING COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
- OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- REMOVE ALL SESC MEASURES.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

NOTES

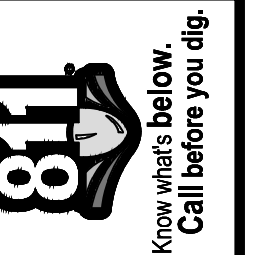
FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY 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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	2,000
2030015	Sewer, Rem, Less than 24 inch	Ft	20,000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	129,000
2047001	_Exploratory Excavation, Vertical	Ft	2,000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	61,000
2057011	_Grading, Driveway Approach	Syd	56,000
2057011	_Grading, Sidewalk Ramp	Syd	1,000
2057011	_Machine Grading, Special	Syd	3009,000
2057021	_Undercutting, Type IIA	Cyd	100,000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	6,000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	20,000
4021280	Trench Undercut and Backfill	Cyd	6,000
4030200	Dr Structure, 24 inch dia	Ea	2,000
4037050	_Dr Structure Cover, Type B, Modified	Ea	1,000
4037050	_Dr Structure Cover, Type D, Modified	Ea	1,000
4037050	_Dr Structure Cover, Type K, Modified	Ea	2,000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	3,000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	1,000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	20,000
5010002	Cold Milling HMA Surface	Syd	3009,000
5010005	HMA Surface, Rem	Syd	76,000
5010025	Hand Patching	Ton	2,000
5010703	HMA, LVSP	Ton	696,000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	247,000
5017031	_HMA, Wedging, 36A	Ton	7,000
6027021	_Flowable Fill	Cyd	2,000
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	56,000
8027001	_Curb and Gutter, Conc, Barrier	Ft	50,000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	79,000
8030030	Curb Ramp Opening, Conc	Ft	6,000
8037001	_Detectable Warning Surface, Modified	Ft	5,000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	5,000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	4,000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	4,000
8120252	Plastic Drum, Fluorescent, Furn	Ea	33,000
8120253	Plastic Drum, Fluorescent, Oper	Ea	33,000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	86,000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	86,000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	16,000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	16,000
8127050	_Pedestrian Type II Barricade, Temp	Ea	4,000
8127050	_Temporary No Parking Sign	Ea	24,000
8167011	_Slope Restoration	Syd	75,000
8507050	_HMA Surface, Around Structure Cover, Rem	Ea	9,000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
8	*D3-1	Street Name Sign	4,000	32,000
8	W20-1	Road Work Ahead Sign	9,000	72,000
8	R11-4	Road Closed To Thru Traffic	12,500	100,000



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/JS	DAD

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



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
LINWOOD AVE
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-33



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: MAPLE RIDGE STREET

RFP NO. 22-26 FILE No. 2022-004

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.
- 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.
- 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.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED 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 LEVELING COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
- OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- REMOVE ALL SESC MEASURES.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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.

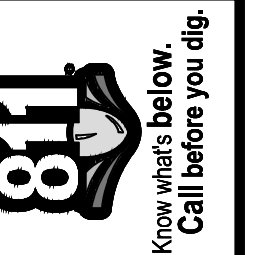
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	6.000
2030015	Sewer, Rem, Less than 24 inch	Ft	60.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	5.000
2057011	_Machine Grading, Special	Syd	2416.000
2057021	_Undercutting, Type IIA	Cyd	81.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	10.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	60.000
4021260	Trench Undercut and Backfill	Cyd	18.000
4030200	Dr Structure, 24 inch dia	Ea	6.000
4037050	_Dr Structure Cover, Type B, Modified	Ea	2.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	6.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	10.000
4037050	_Dr Structure, Point	Ea	2.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	10.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	60.000
5010002	Cold Milling HMA Surface	Syd	2416.000
5010005	HMA Surface, Rem	Syd	80.000
5010703	HMA, LVSP	Ton	559.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	244.000
5017031	_HMA, Wedging, 36A	Ton	5.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	120.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Fum	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Fum	Ea	30.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	30.000
8120350	Sign, Type B, Temp, Prismatic, Fum	Sft	43.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	43.000
8120352	Sign, Type B, Temp, Prismatic, Special, Fum	Sft	8.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	8.000
8127050	_Temporary No Parking Sign	Ea	21.000
8167011	_Slope Restoration	Syd	45.000
8230431	Gate Box, Adj, Case 1	Ea	1.000

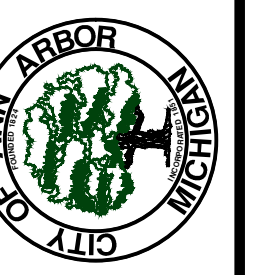
QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sqft)	Total Area (Sqft)
2.0	*D3-1	Street Name Sign	4.000	8.000
2.0	R11-4	Road Closed To Thru Traffic	12.500	25.000

T:\2022004\Plan Production\2022004 - Maple Ridge Street.dwg - Plot Date: 3/9/2022 1:55:35 PM



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

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



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
MAPLE RIDGE STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-34



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: MARYFIELD DR

RFP NO. 22-26 FILE No. 2022-004

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.
- 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.
- 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.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED 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 LEVELING COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
- OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- REMOVE ALL SESC MEASURES.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	2.000
2030015	Sewer, Rem, Less than 24 inch	Ft	20.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	399.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	69.000
2057011	_Grading, Driveway Approach	Syd	43.000
2057011	_Grading, Sidewalk	Syd	17.000
2057011	_Grading, Sidewalk Ramp	Syd	9.000
2057011	_Machine Grading, Special	Syd	1643.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	4.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	20.000
4021260	Trench Undercut and Backfill	Cyd	6.000
4030200	Dr Structure, 24 inch dia	Ea	2.000
4037050	_Dr Structure Cover, Type B, Modified	Ea	1.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	2.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	3.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	4.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	20.000
5010002	Cold Milling HMA Surface	Syd	1643.000
5010005	HMA Surface, Rem	Syd	44.000
5010025	Hand Patching	Ton	5.000
5010703	HMA, LVSP	Ton	380.000
6027021	_Flowable Fill	Cyd	7.000
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	43.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	175.000
8027001	_Curb and Gutter, Conc, Mountable	Ft	212.000
8030030	Curb Ramp Opening, Conc	Ft	18.000
8037001	_Detectable Warning Surface, Modified	Ft	15.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	78.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	150.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	30.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	30.000
8127050	_Temporary No Parking Sign	Ea	21.000
8167011	_Slope Restoration	Syd	54.000
8230431	Gate Box, Adj, Case 1	Ea	1.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sq ft)	Total Area (Sq ft)
2.0	*D3-1	Street Name Sign	4.000	8.000
2.0	R11-3a	Road Closed Local Traffic Only	12.500	25.000

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

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



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
MARYFIELD DR
SUBSET COVER SHEET

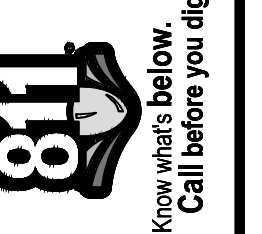
SCALE: NTS
DRAWING No. 2022-004-35



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: N REVENA BLVD

RFP NO. 22-26 FILE No. 2022-004



		3/9/2022	AG/CE/OS	DAD	CHECKED
					DRAWN
					REV.

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48106-6647
ANN ARBOR 734/794-4410
www.a3gov.org



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.
- 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.
- 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.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED 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 LEVELING COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
- OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- REMOVE ALL SESC MEASURES.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	3.000
2030015	Sewer, Rem, Less than 24 inch	Ft	30.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	96.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	16.000
2057011	_Grading, Driveway Approach	Syd	16.000
2057011	_Machine Grading, Special	Syd	2268.000
2057021	_Undercutting, Type IA	Cyd	76.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	7.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	30.000
4021260	Trench Undercut and Backfill	Cyd	9.000
4030200	Dr Structure, 24 inch dia	Ea	3.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	3.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	10.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	12.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	30.000
5010002	Cold Milling HMA Surface	Syd	2268.000
5010005	HMA Surface, Rem	Syd	42.000
5010025	Hand Patching	Ton	1.000
5010703	HMA, LVSP	Ton	524.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	194.000
5017031	_HMA, Wedging, 36A	Ton	2.000
6027021	_Flowable Fill	Cyd	2.000
8017011	_Driveway, Nonrein Conc, 6 inch, Modified	Syd	16.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	81.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	21.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	1.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	1.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	12.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	12.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	49.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	49.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	16.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	16.000
8127050	_Temporary No Parking Sign	Ea	18.000
8167011	_Slope Restoration	Syd	32.000
8230431	Gate Box, Adj, Case 1	Ea	2.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
6.0	*D3-1	Street Name Sign	4.000	24.000
6.0	W20-1	Road Work Ahead Sign	9.000	54.000
4.0	R11-4	Road Closed To Thru Traffic	12.500	50.000

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

CITY OF ANN ARBOR - ENGINEERING
PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
N REVENA BLVD
SUBSET COVER SHEET

SCALE : NTS
DRAWING NO. : 2022-004-36

T:\2022\04\Plan Production\2022\004 - N Revena Blvd.dwg - _o2 standard bw.stb - Plot Date: 3/9/2022 1:59:57 PM



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: WILDWOOD AVE

RFP NO. 22-26 FILE No. 2022-004

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.
- 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.
- 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.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED 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 LEVELING COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
- OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- REMOVE ALL SESC MEASURES.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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 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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	_Dr Structure, Rem	Ea	2,000
2030015	_Sewer, Rem, Less than 24 inch	Ft	20,000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	80,000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	14,000
2057011	_Grading, Sidewalk	Syd	6,000
2057011	_Grading, Sidewalk Ramp	Syd	8,000
2057011	_Machine Grading, Special	Syd	1445,000
2057021	_Undercutting, Type IIa	Cyd	48,000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	5,000
4020987	Sewer, CI IV, 12 inch, Tr-Diet B	Ft	20,000
4021260	Trench Undercut and Backfill	Cyd	6,000
4030200	_Dr Structure, 24 inch dia	Ea	2,000
4037050	_Dr Structure Cover, Type B, Modified	Ea	4,000
4037050	_Dr Structure Cover, Type K, Modified	Ea	2,000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	4,000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	5,000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	20,000
5010002	Cold Milling HMA Surface	Syd	1541,520
5010005	HMA Surface, Rem	Syd	50,000
5010025	Hand Patching	Ton	1,000
5010703	HMA, LVSP	Ton	345,000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	146,000
5017031	_HMA, Wedging, 36A	Ton	2,000
6027021	_Flowable Fill	Cyd	1,000
8027001	_Curb and Gutter, Conc, Barrier	Ft	70,000
8030030	Curb Ramp Opening, Conc	Ft	14,000
8037001	_Detectable Warning Surface, Modified	Ft	10,000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	72,000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	50,000
8110214	Pavt Mkg, Thermopt, 12 inch, Crosswalk	Ft	136,000
8110218	Pavt Mkg, Thermopt, 24 inch, Stop Bar	Ft	26,000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2,000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2,000
8120252	Plastic Drum, Fluorescent, Furn	Ea	20,000
8120253	Plastic Drum, Fluorescent, Oper	Ea	20,000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	43,000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	43,000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	8,000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	8,000
8127050	_Pedestrian Type II Barricade, Temp	Ea	4,000
8127050	_Temporary No Parking Sign	Ea	14,000
8167011	_Slope Restoration	Syd	27,000
8230431	Gate Box, Adj, Case 1	Ea	1,000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sf)	Total Area (Sft)
4.0	*D3-1	Street Name Sign	4,000	16,000
4.0	W20-1	Road Work Ahead Sign	9,000	36,000
4.0	R11-3a	Road Closed Local Traffic Only	12,500	50,000



				DAD	CHECKED
			AC/CE/OS	DRAWN	
		3/9/2022	DATE		
			BID SET		
			REV.		
			DESCRIPTION		

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



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
WILDWOOD AVE
SUBSET COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-37



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: WILLOW STREET

RFP NO. 22-26 FILE No. 2022-004

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.

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 (LVSP).
11. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
12. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
13. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
14. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
15. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
16. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. REMOVE ALL SESC MEASURES.
19. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
20. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

Item Code	Item Description	Unit	Quantity
2047011	..Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	47.000
2057011	..Grading, Driveway Approach	Syd	12.000
2057011	..Grading, Sidewalk	Syd	22.000
2057011	..Grading, Sidewalk Ramp	Syd	13.000
2057011	..Machine Grading, Special	Syd	792.000
2057021	..Undercutting, Type IIA	Cyd	26.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	2.000
4037050	..Dr Structure, Adj, Case 1, Modified	Ea	1.000
4037050	..Dr Structure, Temp Lowering, Modified	Ea	1.000
5010002	Cold Milling HMA Surface	Syd	792.000
5010005	HMA Surface, Rem	Syd	35.000
5010025	Hand Patching	Ton	1.000
5010703	HMA, LVSP	Ton	183.000
5017011	..Cold Milling for Concrete Curb and Gutter Reveal	Syd	83.000
5017031	..HMA, Wedging, 36A	Ton	2.640
6027021	..Flowable Fill	Cyd	2.000
8017011	..Driveway, Nonrein Conc, 6 inch, Modified	Syd	12.000
8027001	..Curb and Gutter, Conc, Barrier	Fl	69.000
8027001	..Driveway Opening, Conc, Det M, Modified	Fl	17.000
8030030	Curb Ramp Opening, Conc	Fl	14.000
8037001	..Detectable Warning Surface, Modified	Fl	10.000
8037010	..Sidewalk Ramp, Conc, 6 inch, Modified	Slr	114.000
8037010	..Sidewalk, Conc, 4 inch, Modified	Slr	200.000
8110214	Pavt Mrg, Thermopl, 12 inch, Crosswalk	Fl	56.000
8110218	Pavt Mrg, Thermopl, 24 inch, Stop Bar	Fl	10.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	20.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	20.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Slr	31.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Slr	31.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Slr	8.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Slr	8.000
8127050	..Pedestrian Type II Barricade, Temp	Ea	4.000
8127050	..Temporary No Parking Sign	Ea	9.000
8167011	..Slope Restoration	Syd	72.000
8230431	Gate Box, Adj, Case 1	Ea	1.000

Quantity	Sign Code	Description	Area (sqft)	Total Area (Sft)
2.0	D3-1	Street Name Sign	4.000	8.000
2.0	W20-1	Road Work Ahead Sign	9.000	18.000
2.0	R11-3a	Road Closed Local Traffic Only	12.500	25.000


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 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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

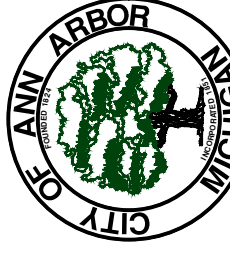
T:\2022004\Plan Production\2022004 - Willow Street.dwg - _o2_standard bw.stb - Plot Date: 3/9/2022 2:01:04 PM



Know what's below. Call before you dig.

	AC/CE/OS	DAD	CHECKED
	3/9/2022	DRAWN	CHECKED
	DATE		
	DESCRIPTION		
00	BID SET		REV.

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



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
WILLOW STREET
SUBSET COVER SHEET

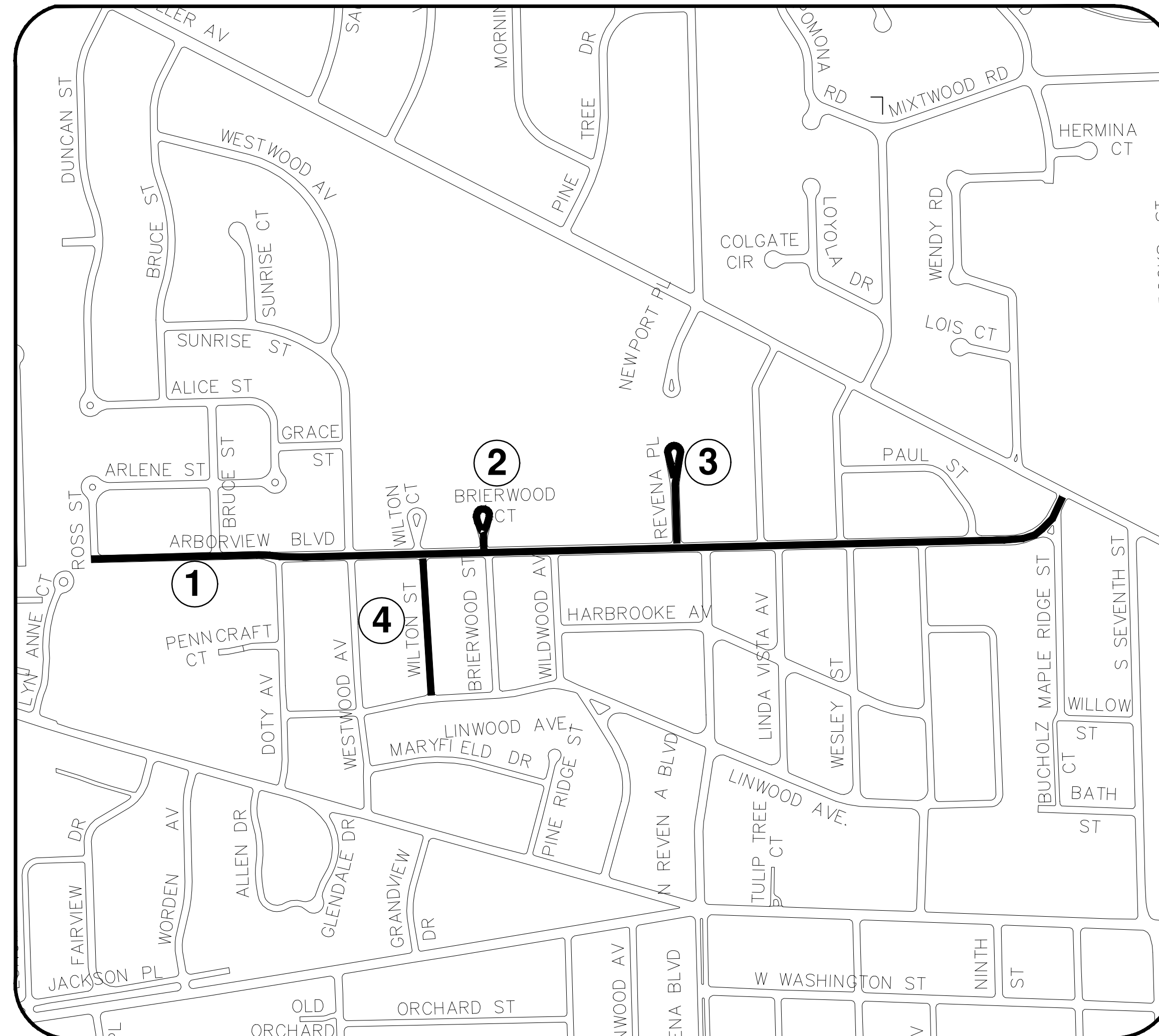
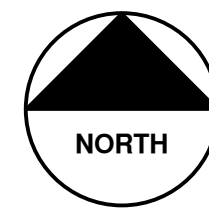
SCALE: NTS
DRAWING No. 2022-004-38
SHEET No. 38 OF 56



CITY OF ANN ARBOR ENGINEERING

STREET RESURFACING PROJECT - 2022 PHASE 4

ITB No. RFP NO. 22-26 FILE No. 2022-004



SHEET INDEX

SHEET NO.	TITLE	MAP INDEX NO. (THIS SHEET)
	ARBORVIEW BLVD	1
	BRIARWOOD CT	2
	REVENA PL	3
	WILTON CT	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.

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

T:\2022004\Plan Production\2022004 - Phase 4 Cover Sheet.dwg Dwg Created: 15-Feb-22 - _g2 standard bw.stb - Plot Date: 9-Mar-22



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
734.794.4110
www.a2gov.org



ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING PROJECT - 2022
PHASE 4
COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-39



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: ARBORVIEW BLVD

RFP NO. 22-26 FILE No. 2022-004

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.

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 (LVSP).
11. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
12. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
13. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
14. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
15. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
16. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. REMOVE ALL SESC MEASURES.
19. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
20. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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 THIS 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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	31.000
2030015	Sewer, Rem, Less than 24 inch	Ft	387.000
2040005	Pavt, Rem	Syd	50.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	3893.000
2047001	_Exploratory Excavation, Vertical	Ft	2.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	767.670
2057011	_Grading, Driveway Approach	Syd	709.000
2057011	_Grading, Sidewalk	Syd	594.670
2057011	_Grading, Sidewalk Ramp	Syd	121.000
2057011	_Machine Grading, Special	Syd	16587.000
2057021	_Undercutting, Type IIA	Cyd	553.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	58.000
3010002	Subbase, CIP	Cyd	72.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	315.000
4021260	Trench Undercut and Backfill	Cyd	78.000
4030200	Dr Structure, 24 inch dia	Ea	31.000
4030280	Dr Structure, Adj, Add Depth	Ft	1.000
4037050	_Dr Structure Cover, Type B, Modified	Ea	44.000
4037050	_Dr Structure Cover, Type D, Modified	Ea	2.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	33.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	67.000
4037050	_Dr Structure, Adj, Case 2, Modified	Ea	1.000
4037050	_Dr Structure, Cleaning, Modified	Ea	1.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	74.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	260.000
4047001	_Yard Drain, Outlet Ending, Plastic Pipe	Ft	3.000
4047050	_Yard Drain, Outlet Ending, Pop-up Apparatus	Ea	3.000
5010002	Cold Milling HMA Surface	Syd	16587.000
5010005	HMA Surface, Rem	Syd	787.110
5010025	Hand Patching	Ton	30.000
5010061	HMA Approach	Ton	9.000
5010703	HMA, LVSP	Ton	3832.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	223.000
5017031	_HMA, Wedging, 36A	Ton	2.000
6027021	_Flowable Fill	Cyd	44.000
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	650.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	2735.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	1142.000
8030030	Curb Ramp Opening, Conc	Ft	144.000
8037001	_Detectable Warning Surface, Modified	Ft	136.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	1088.000
8037010	_Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sft	12.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	5065.000
8037010	_Sidewalk, Conc, 6 inch, Modified	Sft	285.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	18.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	18.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	159.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	159.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	14.000
8127050	_Temporary No Parking Sign	Ea	118.000
8167011	_Slope Restoration	Syd	2369.000
8230431	Gate Box, Adj, Case 1	Ea	12.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
17.0	*D3-1	Street Name Sign	4.000	68.000
17.0	W20-1	Road Work Ahead Sign	9.000	153.000
17.0	R11-4	Road Closed To Thru Traffic	12.500	213.000

T:\2022004\Plan Production\2022004 - Arborview Blvd.dwg - Plot Date: 3/9/2022 2:10:32 PM

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48106-6647
www.a3gov.org



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
ARBORVIEW BLVD
SUBSET COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-40

SHEET No.

40 OF 56



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/JS	DAD



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: BRIERWOOD CT

RFP NO. 22-26 FILE No. 2022-004

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.
- CONDUCT REMOVAL WORK RELATED TO PAVEMENT, DRAINAGE, AND CONCRETE ITEMS WITH EXCEPTION TO COLD MILLING.
- PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
- REMOVE EXISTING HMA SURFACE (APPROXIMATELY 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS TO A DEPTH DETERMINED BY THE ENGINEER.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
- OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- REMOVE SESC MEASURES.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES AND ALL OTHER NECESSARY CLEAN UP, FINAL RESTORATION.
- REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	1.000
2030015	Sewer, Rem, Less than 24 inch	Ft	10.000
2047001	._Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	67.000
2047011	._Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	30.000
2057011	._Grading, Sidewalk	Syd	30.000
2057011	._Grading, Sidewalk Ramp	Syd	8.000
2057021	._Undercutting, Type IIA	Cyd	29.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	1.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	10.000
4021260	Trench Undercut and Backfill	Cyd	3.000
4030200	Dr Structure, 24 inch dia	Ea	1.000
4037050	._Dr Structure Cover, Type K, Modified	Ea	1.000
4047001	._Underdrain, Subgrade, 6 inch, Special	Ft	10.000
5010002	Cold Milling HMA Surface	Syd	860.000
5010005	HMA Surface, Rem	Syd	15.000
5010025	Hand Patching	Ton	2.000
5010703	HMA, LVSP	Ton	100.000
5017011	._Cold Milling for Concrete Curb and Gutter Reveal	Syd	90.000
8027001	._Curb and Gutter, Conc, Barrier	Ft	69.000
8030030	Curb Ramp Opening, Conc	Ft	12.000
8037001	._Detectable Warning Surface, Modified	Ft	10.000
8037010	._Sidewalk Ramp, Conc, 6 inch, Modified	Sft	70.000
8037010	._Sidewalk, Conc, 4 inch, Modified	Sft	200.000
8037010	._Sidewalk, Conc, 6 inch, Modified	Sft	70.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	1.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	1.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	4.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	4.000
8127050	._Pedestrian Type II Barricade, Temp	Ea	2.000
8127050	._Pedestrian Type II Channelizer, Temp	Ea	2.000
8127050	._Temporary No Parking Sign	Ea	9.000
8167011	._Slope Restoration	Syd	38.000
8230431	Gate Box, Adj, Case 1	Ea	1.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sf)	Total Area (Sq)
2	*D3-1	Street Name Sign	4.000	8.000
2	W20-1	Road Work Ahead Sign	9.000	18.000
2	R11-3a	Road Closed Local Traffic Only	12.500	25.000



00	BID SET	3/9/2022	AC/CE/OS	DAD	CHECKED
	REV.		DESCRIPTION		

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



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
BRIERWOOD CT
SUBSET COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-41



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: REVENA PL

RFP NO. 22-26 FILE No. 2022-004

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.

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. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
4. REMOVE EXISTING HMA SURFACE (APPROXIMATELY 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS TO A DEPTH DETERMINED BY THE ENGINEER.
5. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
6. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
7. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
8. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
9. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
10. REMOVE SESC MEASURES.
11. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES AND ALL OTHER NECESSARY CLEAN UP, FINAL RESTORATION.
12. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	1.000
2030015	Sewer, Rem, Less than 24 inch	Ft	10.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	28.000
2057011	_Grading, Driveway Approach	Syd	9.000
2057011	_Grading, Sidewalk	Syd	17.000
2057011	_Grading, Sidewalk Ramp	Syd	9.000
2057021	_Undercutting, Type IIA	Cyd	60.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	3.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	10.000
4021260	Trench Undercut and Backfill	Cyd	3.000
4030200	Dr Structure, 24 inch dia	Ea	1.000
4037050	_Dr Structure Cover, Type B, Modified	Ea	1.000
4037050	_Dr Structure Cover, Type D, Modified	Ea	1.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	1.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	2.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	10.000
5010002	Cold Milling HMA Surface	Syd	1792.000
5010005	HMA Surface, Rem	Syd	71.000
5010025	Hand Patching	Ton	2.000
5010703	HMA, LVSP	Ton	207.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	154.000
5017031	_HMA, Wedging, 36A	Ton	5.720
6027021	_Flowable Fill	Cyd	0.660
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	9.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	50.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	21.000
8030030	Curb Ramp Opening, Conc	Ft	14.000
8037001	_Detectable Warning Surface, Modified	Ft	10.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	84.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	150.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	1.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	1.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	20.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	20.000
8127050	_Pedestrian Type II Channelizer, Temp	Ea	2.000
8127050	_Temporary No Parking Sign	Ea	15.000
8167011	_Slope Restoration	Syd	35.000
8507050	_HMA Surface, Around Structure Cover, Rem	Ea	7.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
6.0	*D3-1	Street Name Sign	4.000	24.000
6.0	W20-1	Road Work Ahead Sign	9.000	54.000
1.0	R11-4	Road Closed To Thru Traffic	12.500	13.000

T:\2022004\Plan Production\2022004 - Reveña PL.dwg - Plot Date: 3/9/2022 2:28:16 PM

REV.	00	BID SET	3/9/2022	DATE	AC/CE/OS	DRAWN	DAD	CHECKED
DESCRIPTION								

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
REVENA PL
SUBSET COVER SHEET

SCALE: NTS

DRAWING No. 2022-004-42

SHEET No.

42 OF 56



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: WILTON CT

RFP NO. 22-26 FILE No. 2022-004

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.

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. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, AS REQUIRED.
4. REMOVE EXISTING HMA SURFACE (APPROXIMATELY 2 INCHES) BY COLD MILLING. THIS MAY ALSO INCLUDE ADDITIONAL HMA REMOVAL AND/OR BASE REPAIRS TO A DEPTH DETERMINED BY THE ENGINEER.
5. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
6. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES AS REQUIRED.
7. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
8. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
9. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
10. REMOVE SESC MEASURES.
11. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES AND ALL OTHER NECESSARY CLEAN UP, FINAL RESTORATION.
12. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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.

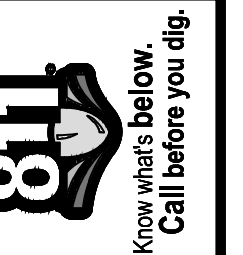
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	1.000
2030015	Sewer, Rem, Less than 24 inch	Ft	10.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	40.000
2057011	_Grading, Sidewalk	Syd	33.000
2057011	_Grading, Sidewalk Ramp	Syd	7.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	1.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	10.000
4021260	Trench Undercut and Backfill	Cyd	3.000
4030200	Dr Structure, 24 inch dia	Ea	1.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	1.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	10.000
5010002	Cold Milling HMA Surface	Syd	861.000
5010005	HMA Surface, Rem	Syd	14.000
5010025	Hand Patching	Ton	2.000
5010703	HMA, LVSP	Ton	100.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	97.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	50.000
8030030	Curb Ramp Opening, Conc	Ft	14.000
8037001	_Detectable Warning Surface, Modified	Ft	10.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	60.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	300.000
8110214	Pavt Mkg, Thermopl, 12 inch, Crosswalk	Ft	72.000
8110218	Pavt Mkg, Thermopl, 24 inch, Stop Bar	Ft	13.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	1.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	1.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	20.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	20.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	43.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	43.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	8.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	8.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	2.000
8127050	_Temporary No Parking Sign	Ea	10.000
8167011	_Slope Restoration	Syd	50.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
3.0	*D3-1	Street Name Sign	4.000	12.000
3.0	W20-1	Road Work Ahead Sign	9.000	27.000
3.0	R11-3a	Road Closed Local Traffic Only	12.500	38.000

T:\2022004\Plan Production\2022004 - Wilton Ct.dwg - c2 standard bw.stb - Plot Date: 3/9/2022 2:46:12 PM



REV	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

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



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
WILTON CT
SUBSET COVER SHEET

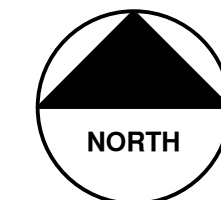
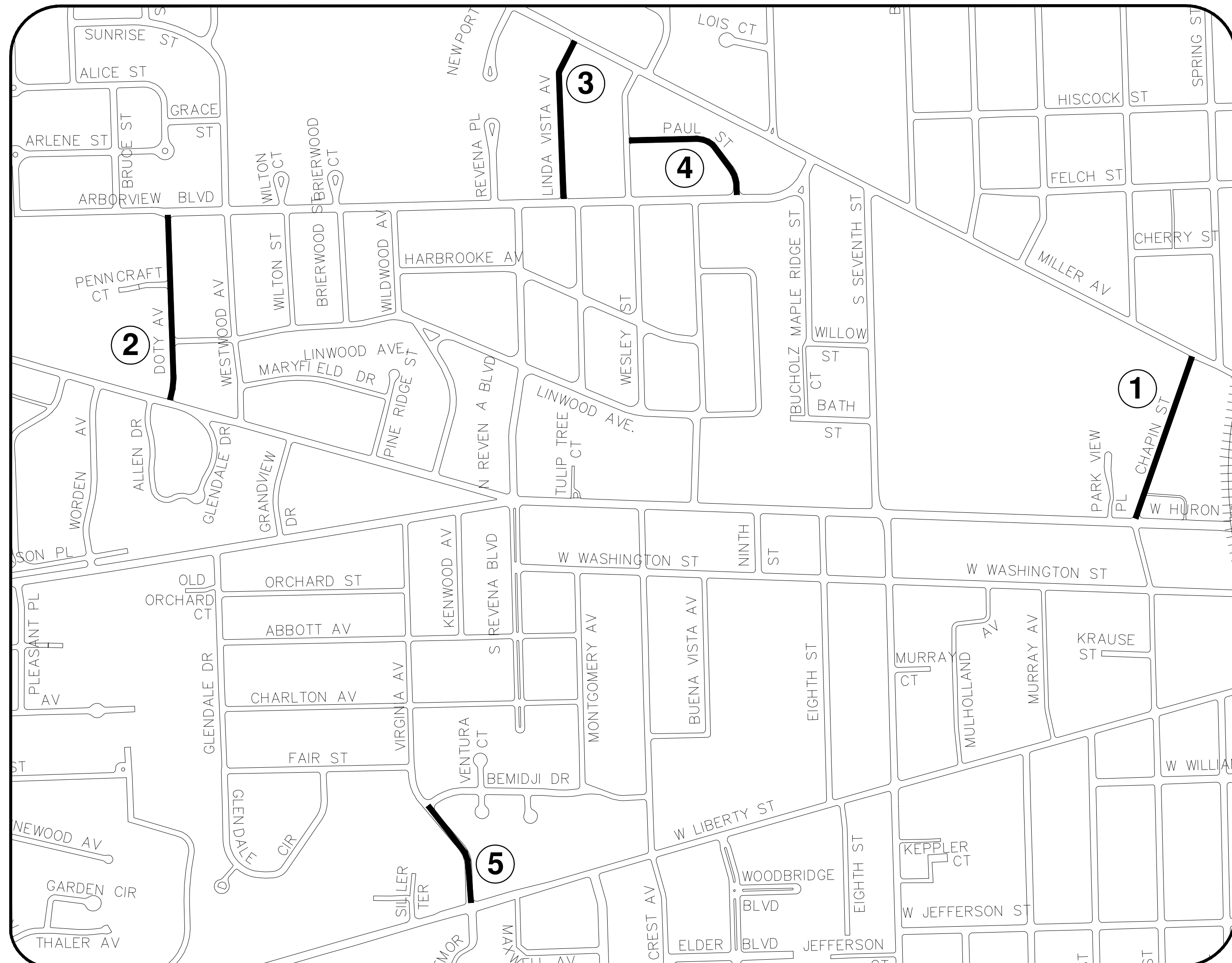
SCALE: NTS
DRAWING No. 2022-004-43



CITY OF ANN ARBOR ENGINEERING

STREET RESURFACING PROJECT - 2022 PHASE 5

RFP NO. 22-26 FILE No. 2022-004



SHEET INDEX

SHEET NO.	TITLE	MAP INDEX NO. (THIS SHEET)
44	CHAPIN ST	1
45	DOTY AVE	2
46	LINDA VISTA ST	3
47	PAUL ST	4
48	VIRGINIA AVE	5
49	WILLARD ST	6

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

T:\2022004\Plan Production\2022004 - Phase 5 Cover Sheet.dwg Dwg Created: 8-Mar-22 - _a2 standard bw.stb - Plot Date: 9-Mar-22



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

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



ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING PROJECT - 2022
PHASE 5
COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-44



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: CHAPIN STREET

RFP NO. 22-26 FILE No. 2022-004

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.
- 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.
- 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.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED 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 LEVELING COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
- OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- REMOVE ALL SESC MEASURES.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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 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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	1.000
2030015	Sewer, Rem, Less than 24 inch	Ft	10.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	362.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	47.000
2057011	_Grading, Driveway Approach	Syd	37.000
2057011	_Machine Grading, Special	Syd	2178.000
2057021	_Undercutting, Type IA	Cyd	73.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	7.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	10.000
4021260	Trench Undercut and Backfill	Cyd	3.000
4030200	Dr Structure, 24 inch dia	Ea	1.000
4037050	_Dr Structure Cover, Type B, Modified	Ea	8.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	1.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	13.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	13.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	10.000
5010002	Cold Milling HMA Surface	Syd	2178.000
5010005	HMA Surface, Rem	Syd	108.000
5010025	Hand Patching	Ton	5.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	208.000
5017031	_HMA, Wedging, 36A	Ton	4.000
6027021	_Flowable Fill	Cyd	7.000
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	26.000
8017011	_Driveway, Nonreinf Conc, 8 inch, Modified	Syd	11.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	294.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	70.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Fum	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Fum	Ea	20.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	20.000
8120350	Sign, Type B, Temp, Prismatic, Fum	Sft	70.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	70.000
8120352	Sign, Type B, Temp, Prismatic, Special, Fum	Sft	20.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	20.000
8127050	_Temporary No Parking Sign	Ea	23.000
8167011	_Slope Restoration	Syd	126.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
7	*D3-1	Street Name Sign	4.000	28.000
7	W20-1	Road Work Ahead Sign	9.000	63.000
2	R11-4	Road Closed To Thru Traffic	12.500	25.000



REV	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

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



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
CHAPIN STREET
SUBSET COVER SHEET

SCALE : NTS
DRAWING No.
2022-004-45



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: DOTY AVE

RFP NO. 22-26 FILE No. 2022-004

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.
- 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.
- 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.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED 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 LEVELING COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
- OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- REMOVE ALL SESC MEASURES.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	5.000
2030015	Sewer, Rem, Less than 24 inch	Ft	50.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	361.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	213.000
2057011	_Grading, Driveway Approach	Syd	64.000
2057011	_Grading, Sidewalk	Syd	11.000
2057011	_Grading, Sidewalk Ramp	Syd	38.000
2057011	_Machine Grading, Special	Syd	2430.000
2057021	_Undercutting, Type IIA	Cyd	81.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	9.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	50.000
4021260	Trench Undercut and Backfill	Cyd	15.000
4030200	Dr Structure, 24 inch dia	Ea	5.000
4037050	_Dr Structure Cover, Type B, Modified	Ea	9.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	5.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	11.000
4037050	_Dr Structures, Temp Lowering, Modified	Ea	14.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	50.000
4047001	_Yard Drain, Outlet Ending, Plastic Pipe	Ft	1.000
5010002	Cold Milling HMA Surface	Syd	2430.000
5010005	HMA Surface, Rem	Syd	70.000
5010025	Hand Patching	Ton	5.000
5010703	HMA, LVSP	Ton	562.000
5017011	_Cold Milling for Concrete Curb and Gutter Reveal	Syd	253.000
5017031	_HMA, Wedging, 36A	Ton	3.320
6027021	_Flowable Fill	Cyd	7.000
8017011	_Driveway, Nonrein Conc, 6 inch, Modified	Syd	64.000
8027001	_Curb and Gutter, Conc, Banter	Ft	160.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	152.000
8030030	Curb Ramp Opening, Conc	Ft	49.000
8037001	_Detectable Warning Surface, Modified	Ft	35.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	346.000
8037010	_Sidewalk Retaining Wall, Integral, 6 inch to 18 inch Height	Sft	19.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	100.000
8110214	Pavt Mrlg, Thermopt, 12 inch, Crosswalk	Ft	112.000
8110218	Pavt Mrlg, Thermopt, 24 inch, Stop Bar	Ft	24.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	3.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	3.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	51.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	51.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	8.000
8127050	_Temporary No Parking Sign	Ea	27.000
8167011	_Slope Restoration	Syd	313.000
8230431	Gate Box, Adj, Case 1	Ea	3.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
5.0	*D3-1	Street Name Sign	4.000	20.000
5.0	W20-1	Road Work Ahead Sign	9.000	45.000
3.0	R11-3a	Road Closed Local Traffic Only	12.500	38.000



REV.	DESCRIPTION	DATE	AC/CE/OS	DRAWN	CHECKED
00	BID SET	3/9/2022			DAD

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



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
DOTY AVE
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-46



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: LINDA VISTA STREET

RFP NO. 22-26 FILE No. 2022-004

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.
- 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.
- 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.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED 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 LEVELING COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
- OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- REMOVE ALL SESC MEASURES.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	_Dr Structure, Rem	Ea	6.000
2030015	_Sewer, Rem, Less than 24 inch	Ft	60.000
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	481.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	55.000
2057011	_Grading, Driveway Approach	Syd	39.000
2057011	_Grading, Sidewalk Ramp	Syd	16.000
2057011	_Machine Grading, Special	Syd	2297.000
2057021	_Undercutting, Type IIA	Cyd	77.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	7.000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	60.000
4021260	Trench Undercut and Backfill	Cyd	18.000
4030200	_Dr Structure, 24 inch dia	Ea	6.000
4037050	_Dr Structure Cover, Type B, Modified	Ea	1.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	6.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	9.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	10.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Ft	60.000
5010002	Cold Milling HMA Surface	Syd	2297.000
5010005	HMA Surface, Rem	Syd	53.000
5010025	Hand Patching	Ton	6.000
5010703	HMA, LVSP	Ton	531.000
6027021	_Flowable Fill	Cyd	9.000
8017011	_Driveway, Nonreinf Conc, 6 inch, Modified	Syd	39.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	179.000
8027001	_Driveway Opening, Conc, Det M, Modified	Ft	195.000
8030030	Curb Ramp Opening, Conc	Ft	28.000
8037001	_Detectable Warning Surface, Modified	Ft	20.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	148.000
8110214	Pav't Mkg, Thermopl, 12 inch, Crosswalk	Ft	136.000
8110218	Pav't Mkg, Thermopl, 24 inch, Stop Bar	Ft	26.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	31.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	31.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	43.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	43.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	8.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	8.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	4.000
8127050	_Temporary No Parking Sign	Ea	24.000
8167011	_Slope Restoration	Syd	124.000
8230431	Gate Box, Adj, Case 1	Ea	1.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
4	*D3-1	Street Name Sign	4.000	16.000
4	W20-1	Road Work Ahead Sign	9.000	36.000
2	R11-4	Road Closed To Thru Traffic	12.500	25.000



REV	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
PO BOX 864
ANN ARBOR MI 48107-0864
www.aagov.org



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
LINDA VISTA STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-47
SHEET No.



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: PAUL STREET

RFP NO. 22-26 FILE No. 2022-004

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.
- 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.
- 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.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED 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 LEVELING COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
- OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- REMOVE ALL SESC MEASURES.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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.

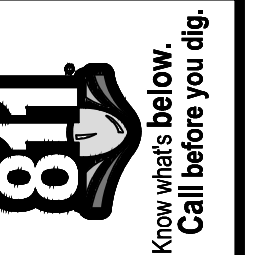
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	2,000
2030015	Sewer, Rem, Less than 24 inch	Ft	20,000
2047001	..Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	133,000
2047011	..Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	24,000
2057011	..Grading, Sidewalk Ramp	Syd	24,000
2057011	..Machine Grading, Special	Syd	2011,000
2057021	..Undercutting, Type IIa	Cyd	67,000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	5,000
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	20,000
4021280	Trench Undercut and Backfill	Cyd	6,000
4030200	Dr Structure, 24 inch dia	Ea	2,000
4037050	..Dr Structure Cover, Type B, Modified	Ea	6,000
4037050	..Dr Structure Cover, Type K, Modified	Ea	2,000
4037050	..Dr Structure, Adj, Case 1, Modified	Ea	6,000
4037050	..Dr Structure, Temp Lowering, Modified	Ea	7,000
4047001	..Underdrain, Subgrade, 6 inch, Special	Ft	20,000
5010002	Cold Milling HMA Surface	Syd	2011,000
5010005	HMA Surface, Rem	Syd	15,000
5010025	Hand Patching	Ton	2,000
5010703	HMA, LVSP	Ton	465,000
5017011	..Cold Milling for Concrete Curb and Gutter Reveal	Syd	219,000
5017031	..HMA, Wedging, 36A	Ton	7,540
6027021	..Flowable Fill	Cyd	2,000
8027001	..Curb and Gutter, Conc, Barrier	Ft	120,000
8030030	Curb Ramp Opening, Conc	Ft	14,000
8037001	..Detectable Warning Surface, Modified	Ft	10,000
8037010	..Sidewalk Ramp, Conc, 6 inch, Modified	Sft	215,000
8110214	Pavt Mkg, Thermopt, 12 inch, Crosswalk	Ft	85,000
8110218	Pavt Mkg, Thermopt, 24 inch, Stop Bar	Ft	14,000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2,000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2,000
8120252	Plastic Drum, Fluorescent, Furn	Ea	30,000
8120253	Plastic Drum, Fluorescent, Oper	Ea	30,000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	43,000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	43,000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	8,000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	8,000
8127050	..Pedestrian Type II Barricade, Temp	Ea	4,000
8127050	..Temporary No Parking Sign	Ea	21,000
8167011	..Slope Restoration	Syd	66,000
8230431	Gate Box, Adj, Case 1	Ea	1,000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
4.0	*D3-1	Street Name Sign	4,000	16,000
4.0	W20-1	Road Work Ahead Sign	9,000	36,000
2.0	R11-3a	Road Closed Local Traffic Only	12,500	25,000

T:\2022004\Plan Production\2022004 - Paul Street.dwg - _g2 standard bw.stb - Plot Date: 3/9/2022 2:58:44 PM



REV	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD

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



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
PAUL STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-48



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: VIRGINIA AVE

RFP NO. 22-26 FILE No. 2022-004

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.
- 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.
- 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.
- PROOF ROLL AND PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DETERMINED 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 LEVELING COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
- ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
- CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
- CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
- CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
- OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
- CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
- REMOVE ALL SESC MEASURES.
- COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
- REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	..Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	45.000
2057011	..Machine Grading, Special	Syd	1910.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	6.000
4037050	..Dr Structure, Adj, Case 1, Modified	Ea	3.000
4037050	..Dr Structure, Temp Lowering, Modified	Ea	3.000
5010002	Cold Milling HMA Surface	Syd	1910.000
5010005	HMA Surface, Rem	Syd	5.000
5010025	Hand Patching	Ton	1.000
5010703	HMA, LVSP	Ton	442.000
6027021	..Flowable Fill	Cyd	1.000
8027001	..Curb and Gutter, Conc, Barrier	Ft	40.000
8027001	..Driveway Opening, Conc, Det M, Modified	Ft	5.000
8110214	Pav't M'ng, Thermopt, 12 inch, Crosswalk	Ft	104.000
8110218	Pav't M'ng, Thermopt, 24 inch, Stop Bar	Ft	18.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	10.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	10.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	61.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	61.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	16.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	16.000
8127050	..Temporary No Parking Sign	Ea	16.000
8167011	..Slope Restoration	Syd	15.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
4.0	*D3-1	Street Name Sign	4.000	16.000
4.0	W20-1	Road Work Ahead Sign	9.000	36.000
2.0	R11-3a	Road Closed Local Traffic Only	12.500	25.000

T:\2022004\Plan Production\2022004 - Virginia Ave.dwg - _a2_standard bw.stb - Plot Date: 3/9/2022 3:06:33 PM



REV	DESCRIPTION	DATE	AC/CE/OS	DRAWN	CHECKED
00	BID SET	3/9/2022			DAD

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



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
VIRGINIA AVE
SUBSET COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-49



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: WILLARD STREET

RFP NO. 22-26 FILE No. 2022-004

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.

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 (LVSP).
11. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (LEVELING COURSE) AS REQUIRED.
12. ADJUST ALL STRUCTURE COVERS, INCLUDING GATE AND MONUMENT BOXES, TO THEIR FINISHED ELEVATIONS AS REQUIRED.
13. CLEAN PAVEMENT AND WITH APPROVAL FROM THE ENGINEER PLACE 2.0 INCH TOP COURSE HMA MIX (LVSP).
14. CLEAN PAVEMENT AND PLACE SIDE STREET HMA APPROACHES (TOP COURSE) AS REQUIRED.
15. CLEAN PAVEMENT AND PLACE HMA APPROACHES OR WEDGING (DRIVEWAYS) AS REQUIRED.
16. OPEN STREET TO ALL TRAFFIC UPON APPROVAL OF THE ENGINEER.
17. CLEAN PAVEMENT AND COMPLETE ALL PAVEMENT MARKINGS AS REQUIRED.
18. REMOVE ALL SESC MEASURES.
19. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING TEMPORARY CLEANING OF STRUCTURES, ALL OTHER NECESSARY CLEAN UP, AND FINAL RESTORATION.
20. REMOVE ALL TRAFFIC CONTROL DEVICES, NO PARKING SIGNS, AND MISS DIG FLAGS.

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 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.

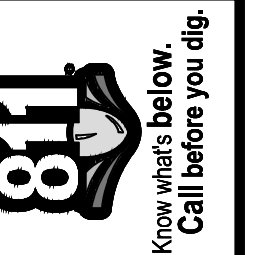
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2030011	Dr Structure, Rem	Ea	6.000
2030015	Sewer, Rem, Less than 24 inch	Ft	60.000
2057011	_Machine Grading, Special	Syd	1358.000
2057021	_Undercutting, Type IIA	Cyd	45.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	8.000
4037050	_Dr Structure Cover, Type B, Modified	Ea	1.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	3.000
4037050	_Dr Structure, Temp Lowering, Modified	Ea	4.000
5010002	Cold Milling HMA Surface	Syd	1358.000
5010703	HMA, LVSP	Ton	314.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	4.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	4.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	10.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	10.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	104.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	104.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	24.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	24.000
8230431	Gate Box, Adj, Case 1	Ea	1.000

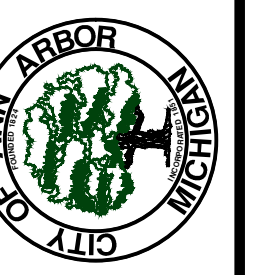
QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
6.0	*D3-1	Street Name Sign	4.000	24.000
6.0	W20-1	Road Work Ahead Sign	9.000	54.000
4.0	R11-4	Road Closed To Thru Traffic	12.500	50.000

T:\2022004\Plan Production\2022004 - Willard Street.dwg - _a2 standard bw.stb - Plot Date: 3/9/2022 3:10:24 PM



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/JS	DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48106-8647
www.a2gov.org



CITY OF ANN ARBOR - ENGINEERING
STREET RESURFACING PROJECT - 2022
WILLARD STREET
SUBSET COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-50



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: ARBOR HILLS NATURE AREA

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1 INCH OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

Item Code	Item Description	Unit	Quantity
3027011	_Aggregate Base, 8 inch, Modified	Syd	933.000
3077021	_Trenching, Modified	Cyd	311.000
8120140	Lighted Arrow, Type C, Furn	Ea	2.000
8120141	Lighted Arrow, Type C, Oper	Ea	2.000
8120330	Sign, Portable, Changeable Message, Furn	Ea	2.000
8120331	Sign, Portable, Changeable Message, Oper	Ea	2.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	128.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	128.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	8.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	8.000
8190244	Hh, Adj	Ea	1.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sqft)	Total Area (Sft)
2.0	*D3-1	Street Name Sign	4.000	8.000
2.0	G20-2	End Road Work	4.500	9.000
1.0	W1-4L	Reverse Curve (Left)	9.000	9.000
1.0	W1-4R	Reverse Curve (Right)	9.000	9.000
1.0	W1-6L	Shift arrow Left	9.000	9.000
1.0	W1-6R	Shift arrow Right	9.000	9.000
2.0	W3-5B	Reduce Speed Zone	9.000	18.000
2.0	W20-1	Road Work Ahead Sign	9.000	18.000
2.0	R2-1	Speed Limit	7.500	15.000
2.0	RS-18C	Work Zone Begins	16.000	32.000

T:\2022004\Plan Production\2022004 - Arbor Hills Nature Area.dwg - Plot Date: 3/9/2022 3:12:38 PM



ENGINEERING
CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET, P.O. BOX 8647
ANN ARBOR, MICHIGAN 48107-8647
734-794-6410 www.a2gov.org



REV.	DESCRIPTION	DATE	AC/CE/OS	DRAWN	CHECKED
00	BID SET	3/9/2022			DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MICHIGAN 48107-8647
www.a2gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
ARBOR HILLS NATURE AREA
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-51



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: W LIBERTY RD

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1 INCH OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

Item Code	Item Description	Unit	Quantity
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	15.000
2047011	_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	40.000
2057011	_Grading, Sidewalk	Syd	34.000
2057011	_Grading, Sidewalk Ramp	Syd	8.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	7.000
3057011	_Shared use Path, HMA Base Crushing and Shaping	Syd	574.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	1.000
5010005	HMA Surface, Rem	Syd	103.820
8027001	_Curb and Gutter, Conc, Barrier	Ft	5.000
8030030	Curb Ramp Opening, Conc	Ft	8.000
8037001	_Detectable Warning Surface, Modified	Ft	9.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	68.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	307.000
8067011	_Shared use Path, Grading, Modified	Syd	278.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	2.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	2.000
8120035	Channelizing Device, 42 inch, Fluorescent, Furn	Ea	40.000
8120036	Channelizing Device, 42 inch, Fluorescent, Oper	Ea	40.000
8120141	Lighted Arrow, Type C, Oper	Ea	1.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	14.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	14.000
8120330	Sign, Portable, Changeable Message, Furn	Ea	4.000
8120331	Sign, Portable, Changeable Message, Oper	Ea	2.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	6.000
8167011	_Slope Restoration	Syd	627.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
2.0	*D3-1	Street Name Sign	4.000	8.000
2.0	G20-2	End Road Work	4.500	9.000
1.0	W1-4L	Reverse Curve (Left)	9.000	9.000
1.0	W1-4R	Reverse Curve (Right)	9.000	9.000
1.0	W1-6L	Shift arrow Left	9.000	9.000
1.0	W1-6R	Shift arrow Right	9.000	9.000
2.0	W3-5B	Reduce Speed Zone	9.000	18.000
2.0	W20-1	Road Work Ahead Sign	9.000	18.000
2.0	R2-1	Speed Limit	7.500	15.000
2.0	RS-18C	Work Zone Begins	16.000	32.000

T:\2022004\Plan Production\2022004 - W Liberty Rd.dwg - _o2_standard bw.stb - Plot Date: 3/9/2022 3:16:18 PM



ENGINEERING
CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET, P.O. BOX 8647
ANN ARBOR, MICHIGAN 48107-8647
734-794-6410 www.a2gov.org



REV.	DESCRIPTION	DATE	AC/CE/OS	DRAWN	CHECKED
00	BID SET	3/9/2022			DAD

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
STREET RESURFACING PROJECT - 2022
W LIBERTY RD
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-52



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: OAKBROOK DR

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1 INCH OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	_HMA Curb, Rem	Ft	40.000
2057011	_Grading, Sidewalk	Syd	273.000
2057011	_Grading, Sidewalk Ramp	Syd	28.000
2087050	Erosion Control, Inlet Protection, Fabric Drop	Ea	7.000
3010002	Subbase, CIP	Cyd	35.000
3027011	_Aggregate Base, 8 inch, Modified	Syd	18.000
3077021	_Trenching, Modified	Cyd	5.926
5010005	HMA Surface, Rem	Syd	1882.680
5010025	Hand Patching	Ton	1.000
8027001	_Curb and Gutter, Conc, Barrier	Ft	12.000
8030030	Curb Ramp Opening, Conc	Ft	28.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sft	252.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sft	2460.000
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	1.000
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	1.000
8120035	Channelizing Device, 42 inch, Fluorescent, Furn	Ea	20.000
8120036	Channelizing Device, 42 inch, Fluorescent, Oper	Ea	20.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	27.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	27.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	12.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	12.000
8127050	_Pedestrian Type II Barricade, Temp	Ea	4.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sf)	Total Area (Sft)
3.0	*D3-1	Street Name Sign	4.000	12.000
3.0	W20-1	Road Work Ahead Sign	9.000	27.000

T:\2022004\Plan Production\2022004 - Oakbrook Drive.dwg - _o2_standard bw.stb - Plot Date: 3/9/2022 3:18:58 PM



REV.	DESCRIPTION	DATE	AC/CE/OS	DRAWN	CHECKED
00	BID SET	3/9/2022			DAD

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



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
OAKBROOK DR
SUBSET COVER SHEET

SCALE: NTS
DRAWING No.
2022-004-53



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: S STATE ST

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1 INCH OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	_Curb, Gutter, and Curb and Gutter, Any Type, Rem	Fl	112.000
2057011	_Grading, Sidewalk	Syd	73.000
2057011	_Grading, Sidewalk Ramp	Syd	32.000
2080036	Erosion Control, Silt Fence	Fl	235.000
3057011	_Shared use Path, HMA Base Crushing and Shaping	Syd	883.000
4037050	_Dr Structure Cover, Type K, Modified	Ea	1.000
4037050	_Dr Structure, Adj, Case 1, Modified	Ea	1.000
4037050	_Structure, Reconstruct	Ea	1.000
4047001	_Underdrain, Subgrade, 6 inch, Special	Fl	10.000
5010005	HMA Surface, Rem	Syd	200.000
5010025	Hand Patching	Ton	1.000
8027001	_Curb and Gutter, Conc, Barrier	Fl	80.000
8030030	Curb Ramp Opening, Conc	Fl	32.000
8037001	_Detectable Warning Surface, Modified	Fl	32.000
8037010	_Sidewalk Ramp, Conc, 6 inch, Modified	Sf	288.000
8037010	_Sidewalk, Conc or Clay Brick Pavers, Rem and Reinstall	Sf	95.000
8037010	_Sidewalk, Conc, 4 inch, Modified	Sf	655.000
8067011	_Shared use Path, Grading, Modified	Syd	575.000
8120141	Lighted Arrow, Type C, Oper	Ea	1.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	42.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	42.000
8120330	Sign, Portable, Changeable Message, Furn	Ea	4.000
8120331	Sign, Portable, Changeable Message, Oper	Ea	4.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sf	79.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sf	79.000
8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sf	12.000
8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sf	12.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sf)	Total Area (Sf)
3.0	*D3-1	Street Name Sign	4.000	12.000
2.0	G20-2	End Road Work	4.500	9.000
2.0	W3-5B	Reduce Speed Zone	9.000	18.000
1.0	W4-2R	Lane Ends / Right	9.000	9.000
3.0	W20-1	Road Work Ahead Sign	9.000	27.000
1.0	W20-5R	Right Lane Closed Ahead	9.000	9.000
1.0	R5-18C	Work Zone Begins	16.000	16.000

T:\2022004\Plan Production\2022004 - S State St.dwg - _o2 standard bw.stb - Plot Date: 3/9/2022 3:20:11 PM



REV.	DESCRIPTION	DATE	BY	CHECKED
00	BID SET	3/9/2022	AC/CE/JS	DAD

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
STREET RESURFACING PROJECT - 2022
S STATE ST
SUBSET COVER SHEET

SCALE: NTS

DRAWING No. 2022-004-54



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: E EISENHOWER PKWY

ITB No. RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1 INCH OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

QUANTITIES			
ITEM #	DESCRIPTION	Units	Total
206	Remove HMA Pavement	S.Y.	28
207	Cold Milling Pavement	Tons	270
209	Subgrade Undercutting - Type II	C.Y.	160
220	HMA Patching	Tons	3
222	HMA Pavement Leveling, Regular	Tons	180
224	HMA Pavement Wearing, 36A	Tons	90
230	Rem. Curb & Gutter, Any Type	L.F.	490
232	Rem. Conc. Sidewalk & Drive - Any Thickness	S.F.	300
237	Conc. Curb & Gutter - Any Type - Fixed Form	L.F.	490
240	4" Sidewalk or Ramp	S.F.	0
241	6" Drive, Sidewalk or Ramp	S.F.	300
245	Detectable Warning, Cast in Place	S.F.	0
247	Integral Sidewalk Ret. Wall (6"-18")	S.F.	0
250	2" Dia. Structure	Each	0
254	Lower Structure Cover	Each	4
255	Lower Mon./Gate Valve Box	Each	0
256	Adjust Structure Cover	Each	4
257	Adjust Curb Inlet Structure Cover	Each	0
258	Adjust Mon. or Gate Valve Box	Each	0
259	Manhole Flange & Cover (MDOT Type A)	Each	3
261	Pt. Drain Structures	Each	2
264	12" Sewer, Trench Detail I, Modified	L.F.	0
268	Flowable Fill	C.Y.	14
271	21AA Limestone - C.I.P.	C.Y.	160
282	Plastic Drum - Lighted - Furn. & Operate	Each	18
283	Barricade Type III - Furn. & Operate	Each	2
284	Temp Signs Type - B	S.F.	101
285	No Parking Sign	Each	13
291	12" Thermo. White or Yellow	L.F.	0
594	4" White Thermo.	L.F.	0
595	4" Yellow Thermo.	L.F.	0
596	6" White Thermo.	L.F.	70
597	24" White Thermo.	L.F.	15
598	Pvmt. Marking Symbol	Each	0

TRAFFIC CONTROL & SIGN LEGEND		
QTY.	TYPE	DESCRIPTION
2	W20-1	"ROAD WORK AHEAD"
2	W20-3	"ROAD CLOSED AHEAD"
3	D3-1	CONVENTIONAL GUIDE
2	TYPE III	TYPE III LIGHTED BARRICADE
2	R11-4	Road Closed to Thru Traffic
0	TYPE II	TYPE II BARRICADE DRUM

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 IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	3/9/2022	AC/CE/JS	DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-8647
ANN ARBOR: 734.794.4110
WWW.ANARBOR.ORG

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
E EISENHOWER PKWY
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-55



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: WASHTENAW AVE

RFP NO. 22-26 FILE No. 2022-004

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS GIVEN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. IMPLEMENT TRAFFIC MAINTENANCE, AND SOIL EROSION CONTROLS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED STORM SEWER, AND UNDERDRAIN AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MONUMENT BOXES.
5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. MILL 3 INCHES OF BITUMINOUS MATERIAL FROM EXISTING ROADWAY. THIS MAY INCLUDE GRANULAR ROAD BASE MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. PROOF ROLL WITH FULL TRUCK.
7. PERFORM UNDERCUTS AND/OR BASE REPAIRS AS DIRECTED BY THE ENGINEER.
8. GRADE, SHAPE, AND RE-COMPACT THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PAVE 2 INCHES OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE LEVELING COURSE, IN ONE LIFT.
10. ADJUST ALL STRUCTURE COVERS, MONUMENT BOXES, AND VALVE BOXES TO THEIR FINISHED ELEVATIONS.
11. PAVE 1 INCH OF THE BITUMINOUS MIX AS SPECIFIED OR DIRECTED, AS THE WEARING COURSE, IN ONE LIFT.
12. COMPLETE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
13. COMPLETE ALL MISCELLANEOUS CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MISS DIG FLAGS.

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.

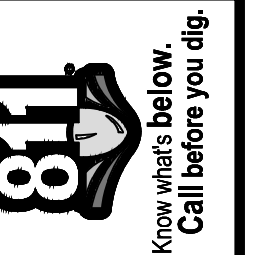
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

QUANTITIES			
Item Code	Item Description	Unit	Quantity
2047001	.Curb, Gutter, and Curb and Gutter, Any Type, Rem	Ft	20.000
2047011	.Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Syd	7.000
5010005	HMA Surface, Rem	Syd	52.000
5010703	HMA LVSP	Ton	296.000
8030030	Curb Ramp Opening, Conc	Ft	6.000
8120252	Plastic Drum, Fluorescent, Furn	Ea	40.000
8120253	Plastic Drum, Fluorescent, Oper	Ea	40.000
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	110.000
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	110.000

QUANTITIES				
Sign, Type B, Temp, Prismatic & *Sign, Type B, Temp, Prismatic, Special				
Quantity	Sign Code	Description	Area (sft)	Total Area (Sft)
0.0	*D3-1	Street Name Sign	4.000	0.000
0.0	W20-1	Road Work Ahead Sign	9.000	0.000

T:\2022004\Plan Production\2022004 - Washtenaw Ave.dwg - _c02_standard bw.stb - Plot Date: 3/9/2022 3:27:16 PM



REV.	DESCRIPTION	DATE	BY	CHECKED
00	BID SET	3/9/2022	AC/CE/OS	DAD
				DRAWN

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48107-8647
ANN ARBOR 734-794-6410
www.aagov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING PROJECT - 2022
WASHTENAW AVE
SUBSET COVER SHEET

SCALE: NTS
DRAWING No. 2022-004-56