



CITY OF ANN ARBOR ENGINEERING

STREET RESURFACING/RESTORATION PROJECT - 2019

ITB No. 4570 FILE No. 2019004

NOTES:

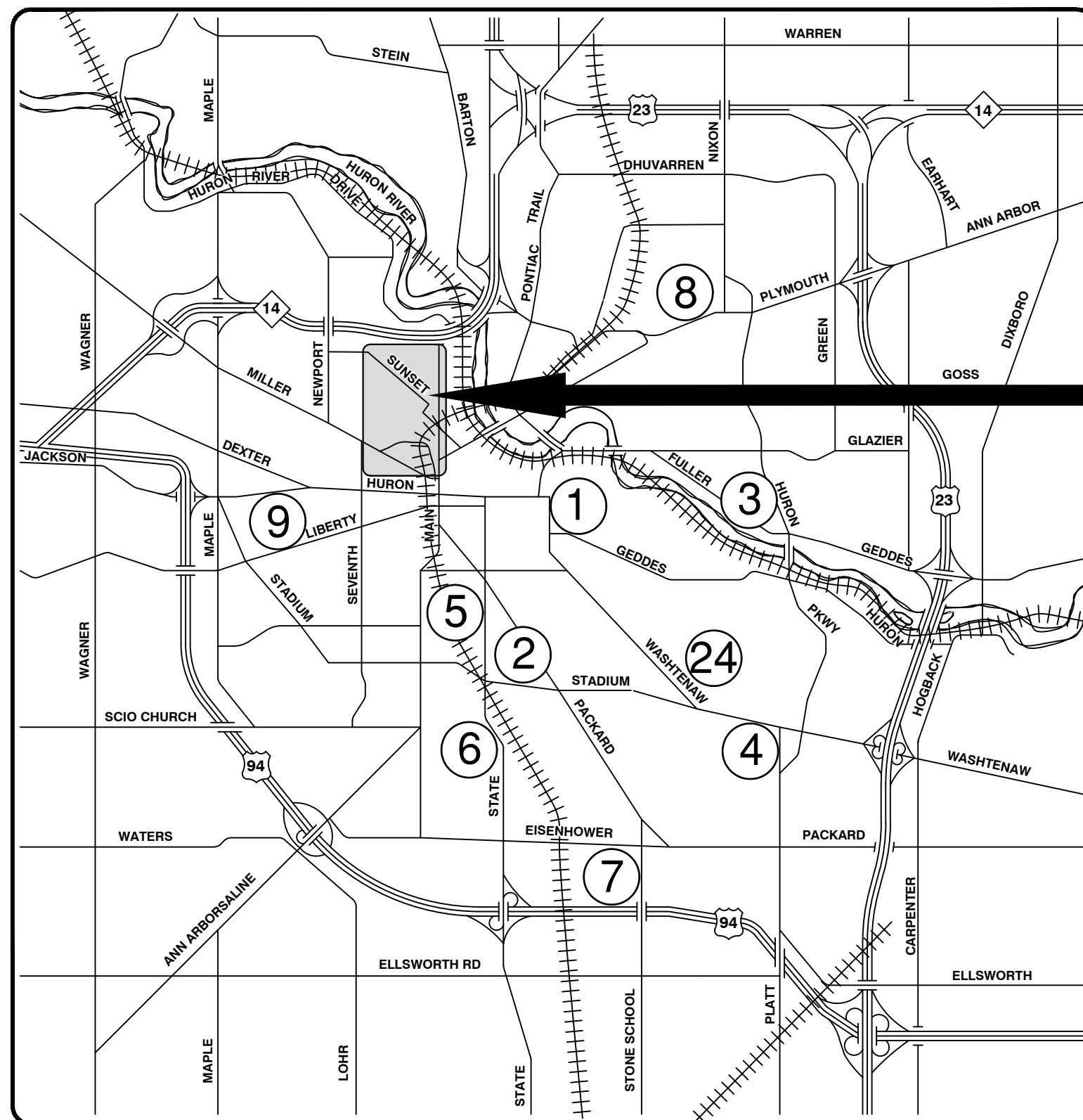
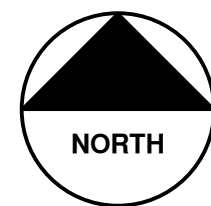
FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY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

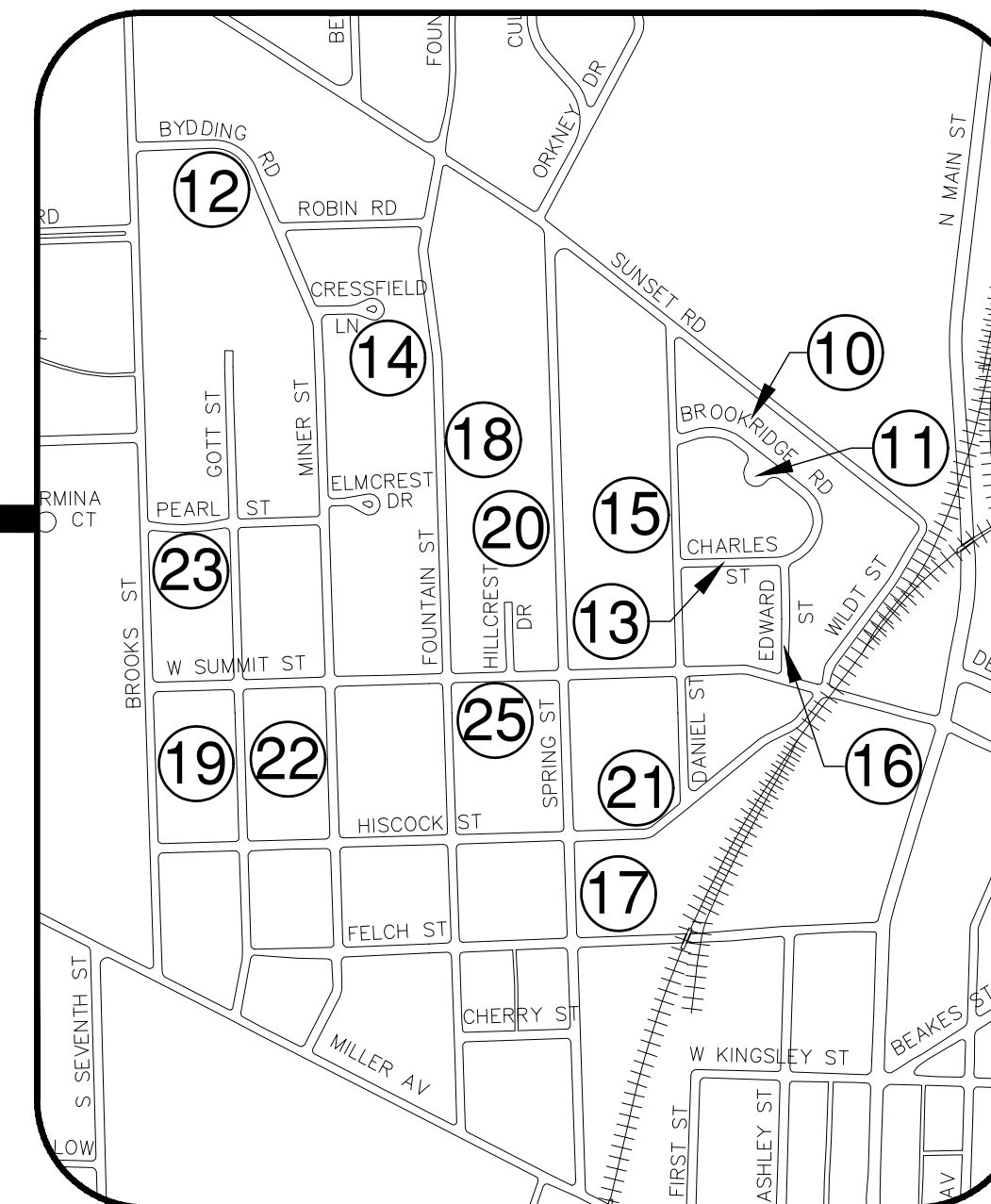
THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REFERENCED MDOT PUBLICATIONS, AND THE PROJECT CONTRACT DOCUMENTS.

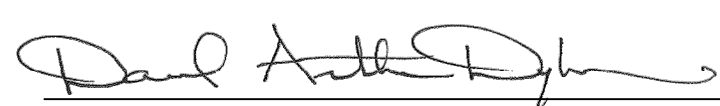
SHEET INDEX

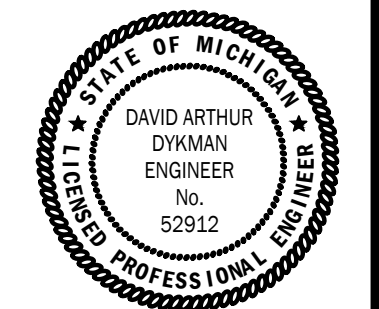
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3	SOIL EROSION AND SEDIMENTATION CONTROL (SESC) NOTES AND DETAILS	
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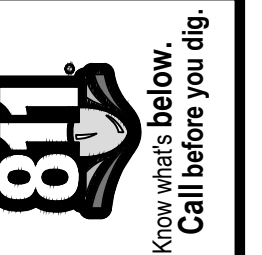
VICINITY MAP



PREPARED UNDER THE SUPERVISION OF

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

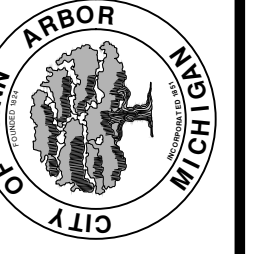


03/13/2019
DATE



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-1667
ANN ARBOR 734.794.6410
www.a2gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
 STREET RESURFACING/RESTORATION
 PROJECT - 2019
 COVER SHEET

SCALE
 DRAWING No.
 2019004-1
 SHEET No.
 1 OF 121

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. Where existing drainage or utility structures, whether shown or not on the plans, are designated or directed by the Engineer to receive new castings (cover and frame) the existing castings shall be neatly stacked on-site in a single location so that City of Ann Arbor forces can retrieve them at a later date. The Contractor shall assist City forces by loading them into City trucks. All costs associated with storing, stockpiling, and loading castings into City vehicles shall be included in the contract pay item "Dr Structure Cover, Type __, Modified".
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 3.25' below the top of pavement.
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" (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" (minimum) Granular Material Class II compacted to 95% of its max. dry density under concrete driveway approaches, and 6" (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
GRADING/SOIL EROSION & SEDIMENTATION CONTROL PERMIT	CITY OF ANN ARBOR CUSTOMER SERVICE
RIGHT-OF-WAY PERMIT	CITY OF ANN ARBOR CUSTOMER SERVICE
* NO COST TO CONTRACTOR	

CONTACT INFORMATION

PUBLIC UTILITIES	OWNER	CONTACT
WATER		
SANITARY		
STORM	CITY OF ANN ARBOR PUBLIC WORKS W.R. WHEELER SERVICE CENTER 4251 STONE SCHOOL ROAD ANN ARBOR, MI 48108	(734) 794-6350
FORESTRY		
SIGNS SIGNALS STREET LIGHTS		(734) 794-6361
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
STREET LIGHTING	DTE ENERGY WESTERN WAYNE SERVICE CENTER 8001 HAGGERTY ROAD BELLEVILLE, MI 48111	BRANDON FARON (734) 397-4017
CABLE	COMCAST 27800 FRANKLIN ROAD SOUTHFIELD, MI 48034	RON SUTHERLAND (313) 999-8300
PHONE	AT&T 550 S. MAPLE ROAD ANN ARBOR, MI 48103	(734) 996-2135
FIBER OPTIC	MCI 2800 N. GLENFILLE ROAD RICHARDSON, TX 75082	DEAN BOYERS (972) 729-6016



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING/RESTORATION
PROJECT - 2019
NOTES & MISCELLANEOUS QUANTITIES

SCALE
DRAWING No. 2019004-2
SHEET No. 2 OF 121



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

GENERAL

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

1. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE SOIL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER AT ALL TIMES DURING CONSTRUCTION. ANY MODIFICATIONS OR ADDITIONS TO THE SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGED CONDITIONS SHALL BE AS DIRECTED AND APPROVED BY THE ENGINEER.
2. ALL SOIL EROSION AND SEDIMENTATION CONTROL WORK SHALL CONFORM TO THE PERMIT REQUIREMENTS OF THE CITY OF ANN ARBOR, CITY ORDINANCE CHAPTER 63, CITY OF ANN ARBOR STANDARDS DIVISION VII, THE LAWS OF THE STATE OF MICHIGAN, AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
3. DAILY, OR AFTER ANY STORM EVENT, INSPECTIONS OF EROSION CONTROL MEASURES SHALL BE MADE BY THE CONTRACTOR. PERIODIC INSPECTIONS MAY BE MADE BY THE ENGINEER TO DETERMINE THE EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES. ANY NECESSARY CORRECTIONS SHALL BE MADE WITHOUT DELAY, AND WITHOUT ADDITIONAL COST TO THE CITY OF ANN ARBOR.
4. EROSION AND SEDIMENTATION FROM WORK ON THE SITE SHALL BE CONTAINED ON THE SITE AND NOT BE ALLOWED TO COLLECT ON ANY OFF-SITE AREAS, ROADWAYS OR WATERWAYS.
5. ALL MUD/SOIL TRACKED ONTO ROADWAYS FROM THE SITE DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR. IF SO ORDERED, THE CONTRACTOR SHALL PROVIDE AND OPERATE A VACUUM-TYPE STREET SWEEPER, AT NO ADDITIONAL COST TO THE CITY OF ANN ARBOR, WITHIN FOUR (4) HOURS OF BEING SO ORDERED.
6. RESTORATION OF ALL DISTURBED AREAS, INCLUDING PLACEMENT OF TOPSOIL, SEED, FERTILIZER AND MULCH AND/OR SOD SHALL BE PERFORMED WITHIN FIVE (5) DAYS OF THE COMPLETION OF FINAL GRADE.
7. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE SOIL EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION IN CRITICAL AREAS AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING OPERATIONS.

8. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
9. PROPER DUST CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION BY USE OF WATER TRUCKS AND/OR DUST PALLIATIVE AS REQUIRED.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND REMOVAL OF SOME MEASURES UPON AUTHORIZED COMPLETION OF THE PROJECT. FINAL COMPLETION OF PROJECT WILL NOT BE AUTHORIZED UNTIL ALL SITE WORK AND UTILITY CONSTRUCTION IS COMPLETE AND ALL SOILS ARE STABILIZED.
11. THE CONTRACTOR SHALL NOT GRADE INTO ADJACENT PROPERTIES. SILT AND PROTECTIVE FENCE SHALL BE INSTALLED AND MAINTAINED TO PREVENT GRADING, EROSION AND SEDIMENTATION INTO THE ADJACENT PROPERTIES.
12. TREE PROTECTION FENCING MUST REMAIN INTACT UNTIL RESTORATION OF THE SITE IS COMPLETE.

SEQUENCE OF EROSION CONTROL MEASURES:

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

SAMPLE SOIL EROSION AND SEDIMENTATION CONTROL INSTALLATION MINIMUM REQUIREMENTS:

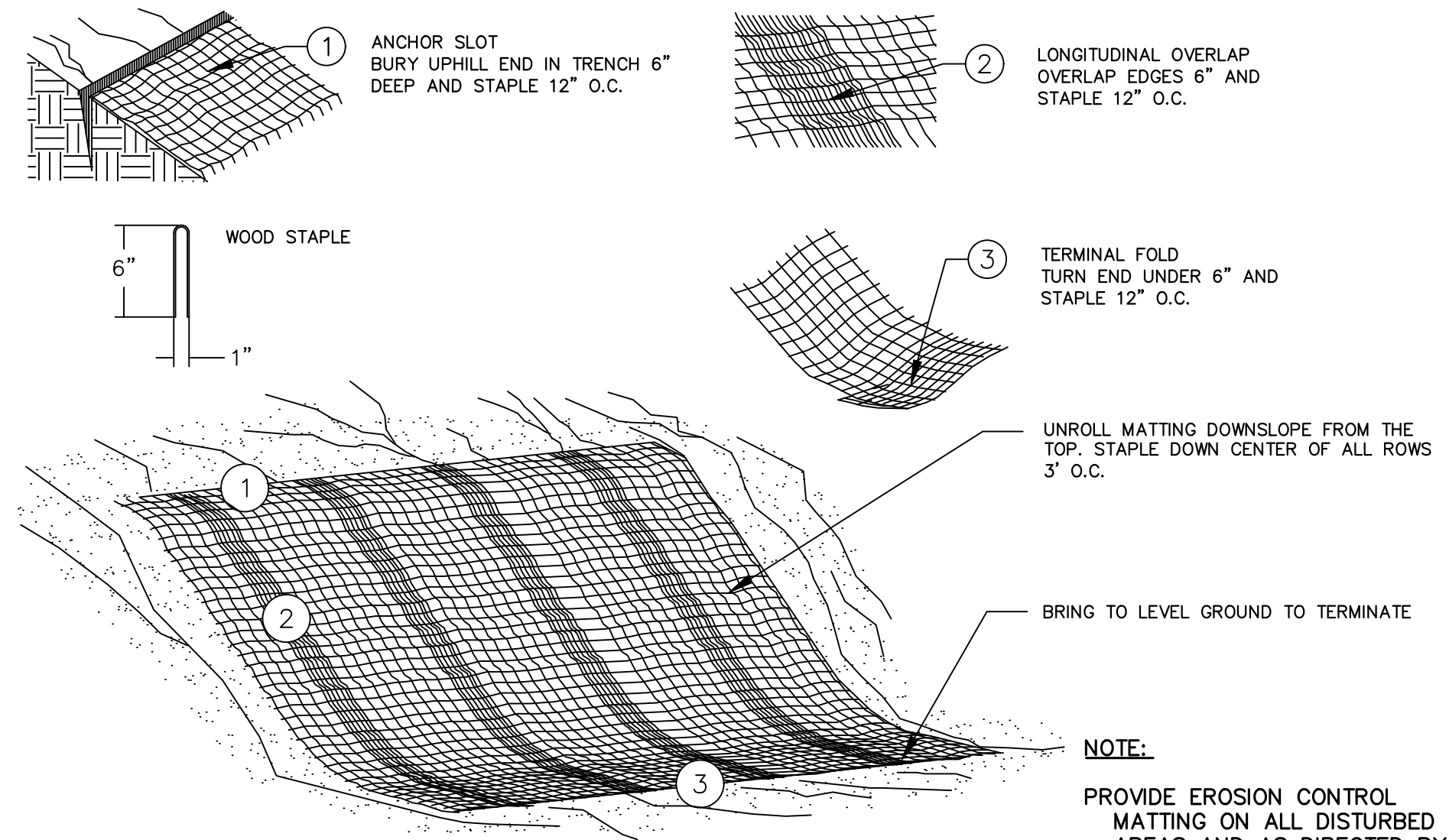
- 1.1. INSTALL SILT FENCE, TREE PROTECTION FENCING, MUD MATS, INLET FILTERS ON EXISTING DRAINAGE FEATURES, AND ALL OTHER TEMPORARY SOIL EROSION CONTROLS, PRIOR TO ANY CLEARING OR EARTH MOVING OPERATION.
- 1.2. STRIP AND STOCKPILE TOPSOIL. STABILIZE STOCKPILE AS REQUIRED.
- 1.3. INSTALL WATER MAINS, STORM AND SANITARY SEWERS, AND OTHER ENCLOSED DRAINAGE FEATURES. NEW INLET FILTERS SHALL BE INSTALLED IMMEDIATELY FOLLOWING INSTALLATION OF NEW DRAINAGE INLETS.

- 1.4. PERFORM MACHINE GRADING OPERATIONS AND CONSTRUCT PAVEMENTS (MAINLINE, SIDEWALKS, DRIVES, ETC.).
- 1.5. CONTINUALLY MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES, AS REQUIRED TO ALLOW DRAINAGE AND SEDIMENT REMOVAL. REMOVE ANY ACCUMULATED SEDIMENT IMMEDIATELY.
- 1.6. COMPLETE ALL BIORETENTION GRADING AND FINE GRADING.
- 1.7. TEMPORARY SEED AND INSTALL EROSION CONTROL BLANKET IN ALL DISTURBED AREAS.
- 1.8. REFER TO LANDSCAPE PLANTING PLANS FOR PERMANENT SITE STABILIZATION.
- 1.9. CLEAN OUT STORM SEWER SYSTEMS.
- 1.10. REMEDY ANY NOTED DEFECTS TO THE SATISFACTION OF THE CITY OF ANN ARBOR'S SOIL EROSION AND SEDIMENTATION CONTROL OFFICIAL.
- 1.11. ALL TEMP. SOIL EROSION CONTROL MEASURES MUST BE REMOVED, WITH ENGINEERS APPROVAL, PRIOR TO FINAL INSPECTION

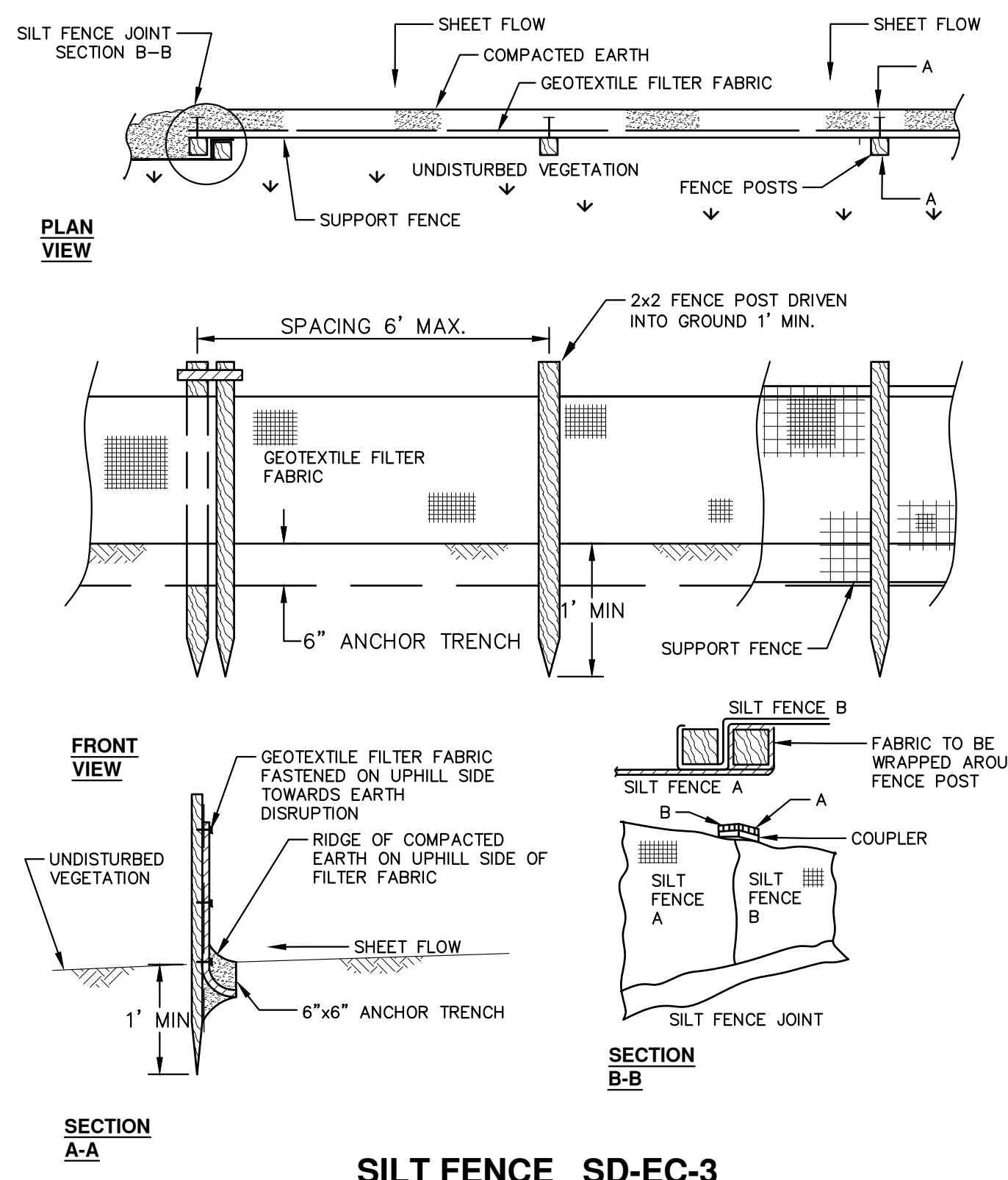
NOTE: THIS SEQUENCE IS FOR INFORMATION ONLY. IT IS INTENDED TO SHOW THE SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THEIR OWN DETAILED CONSTRUCTION SEQUENCE AND SCHEDULE TO THE ENGINEER FOR REVIEW, COMMENT,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

TEMPORARY SEEDING:

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



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



SILT FENCE SD-EC-3

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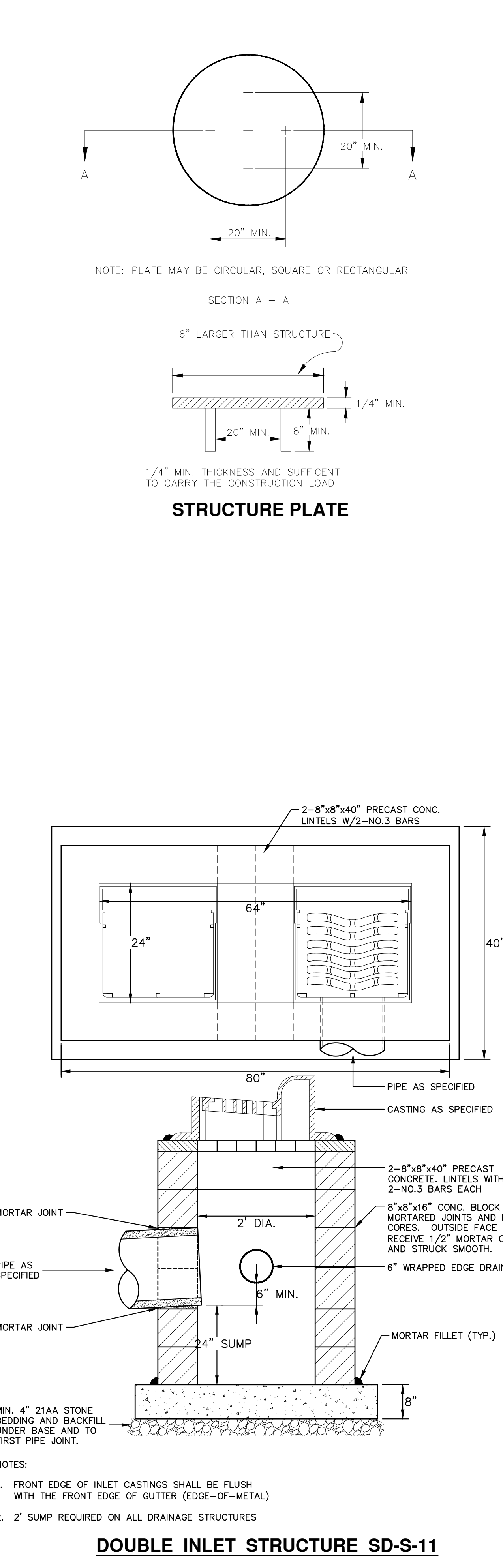
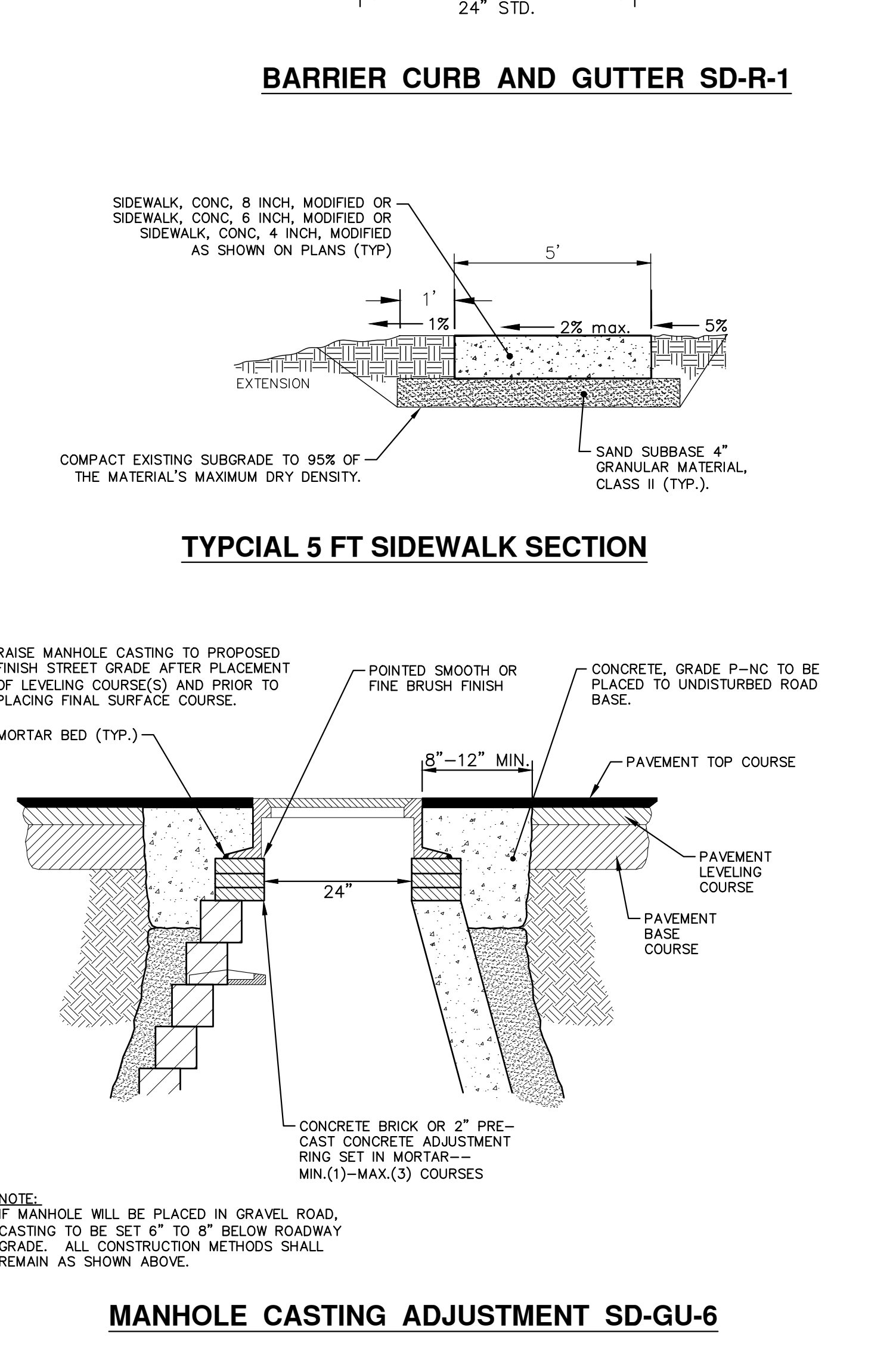
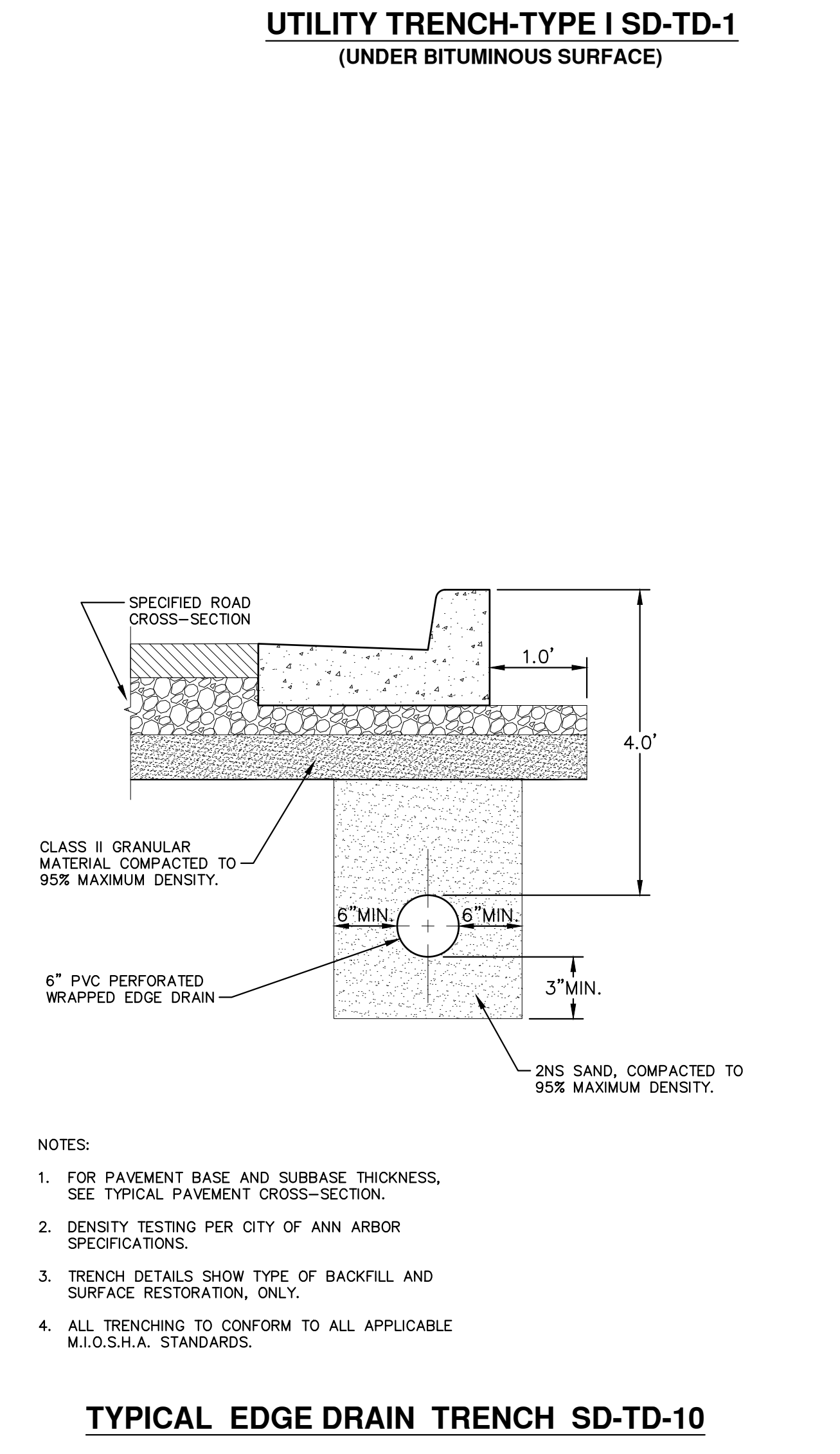
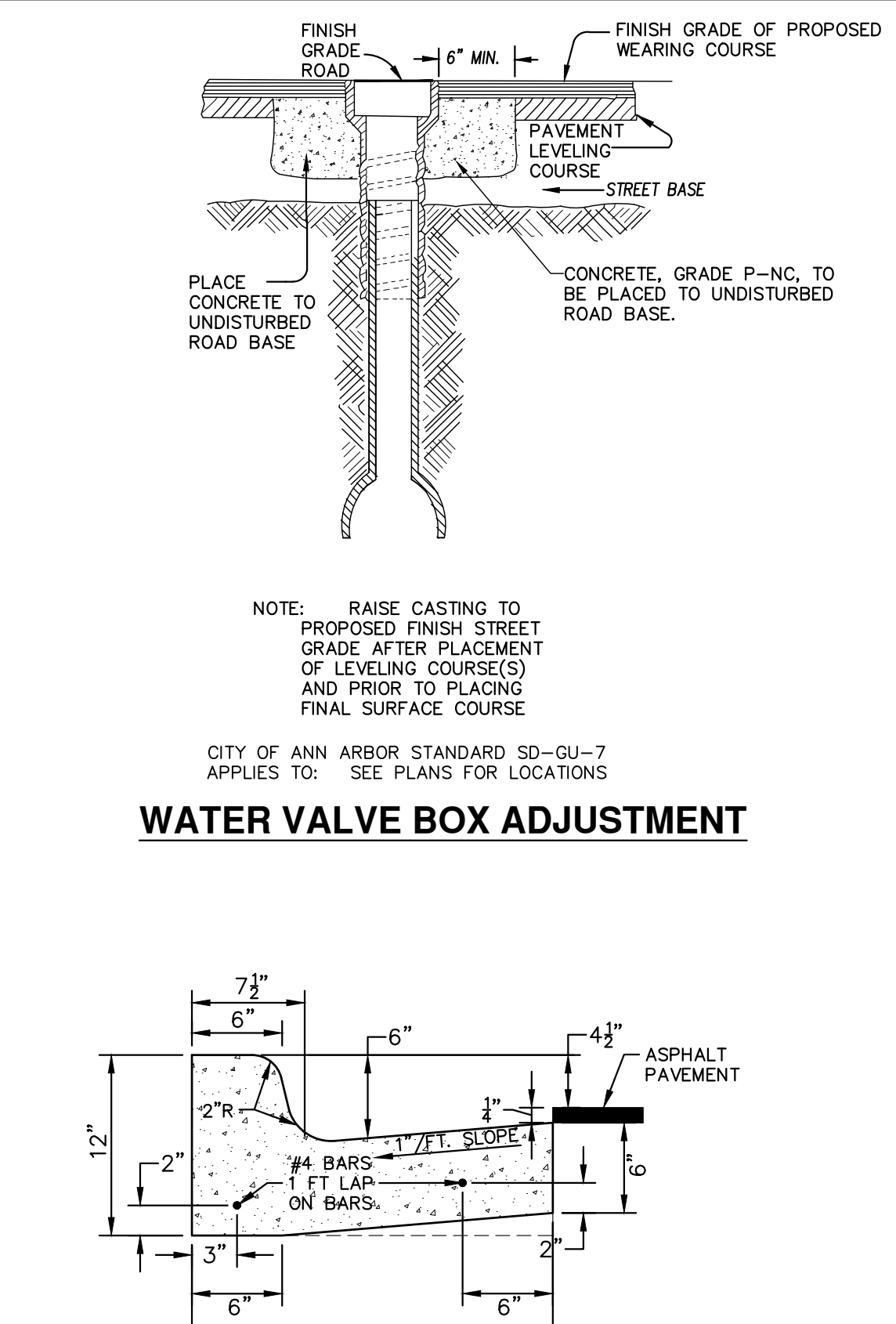
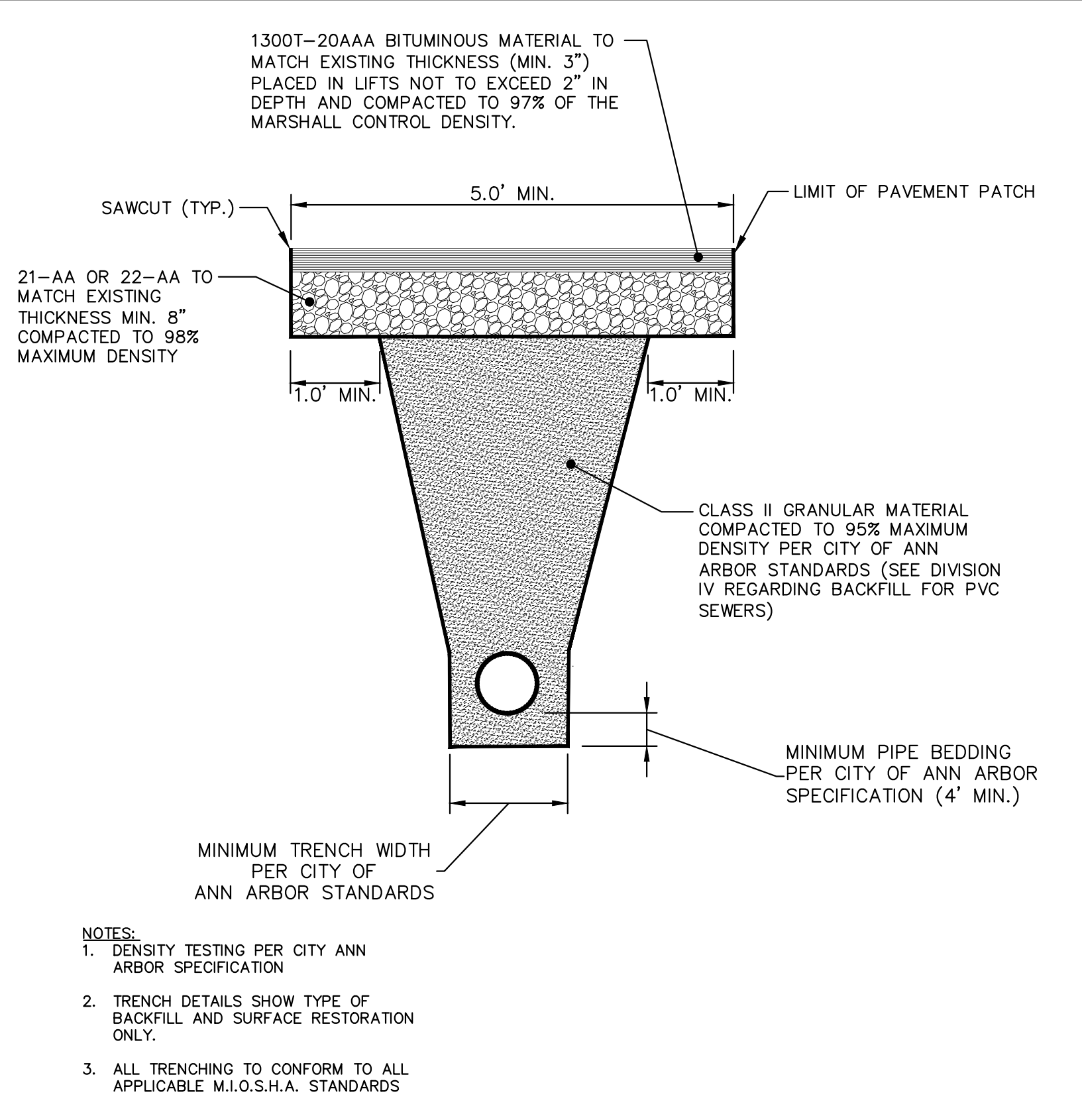
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING/RESTORATION
PROJECT - 2019
SESC NOTES & DETAILS

SCALE: NTS

DRAWING No. **2019004-3**

SHEET No. **3 OF 121**



SAWCUT (TYP.)

5.0' MIN.

1.0' MIN.

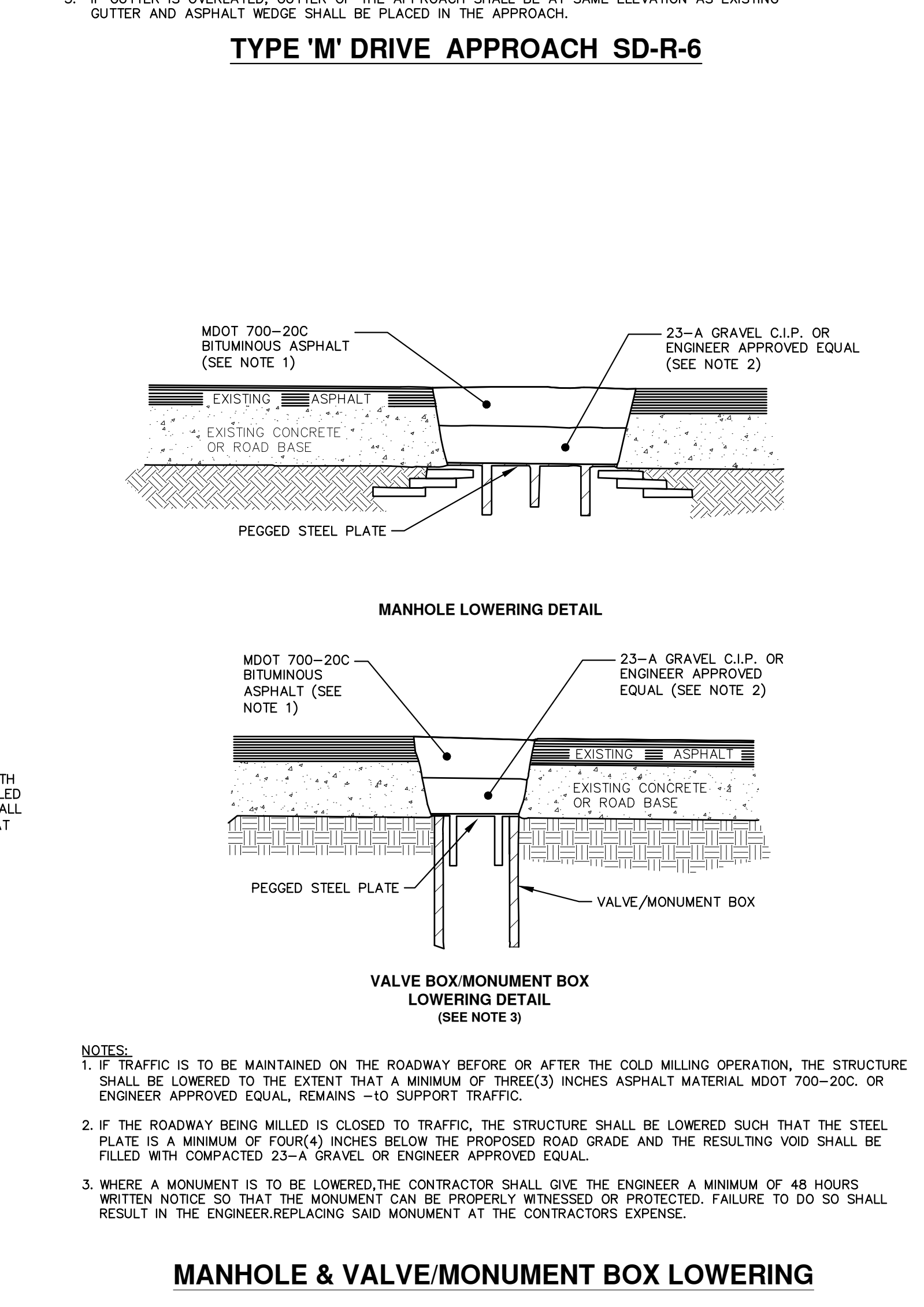
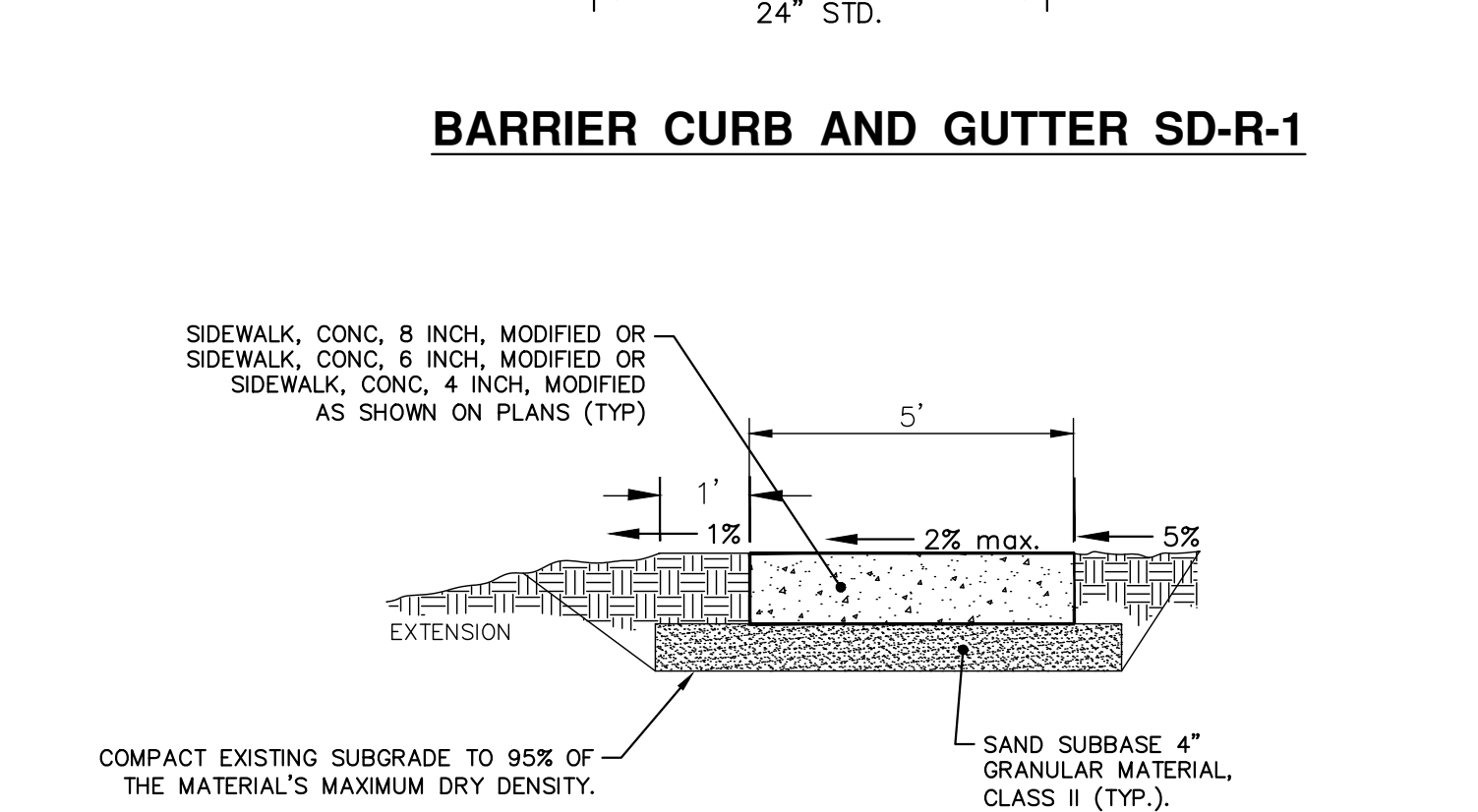
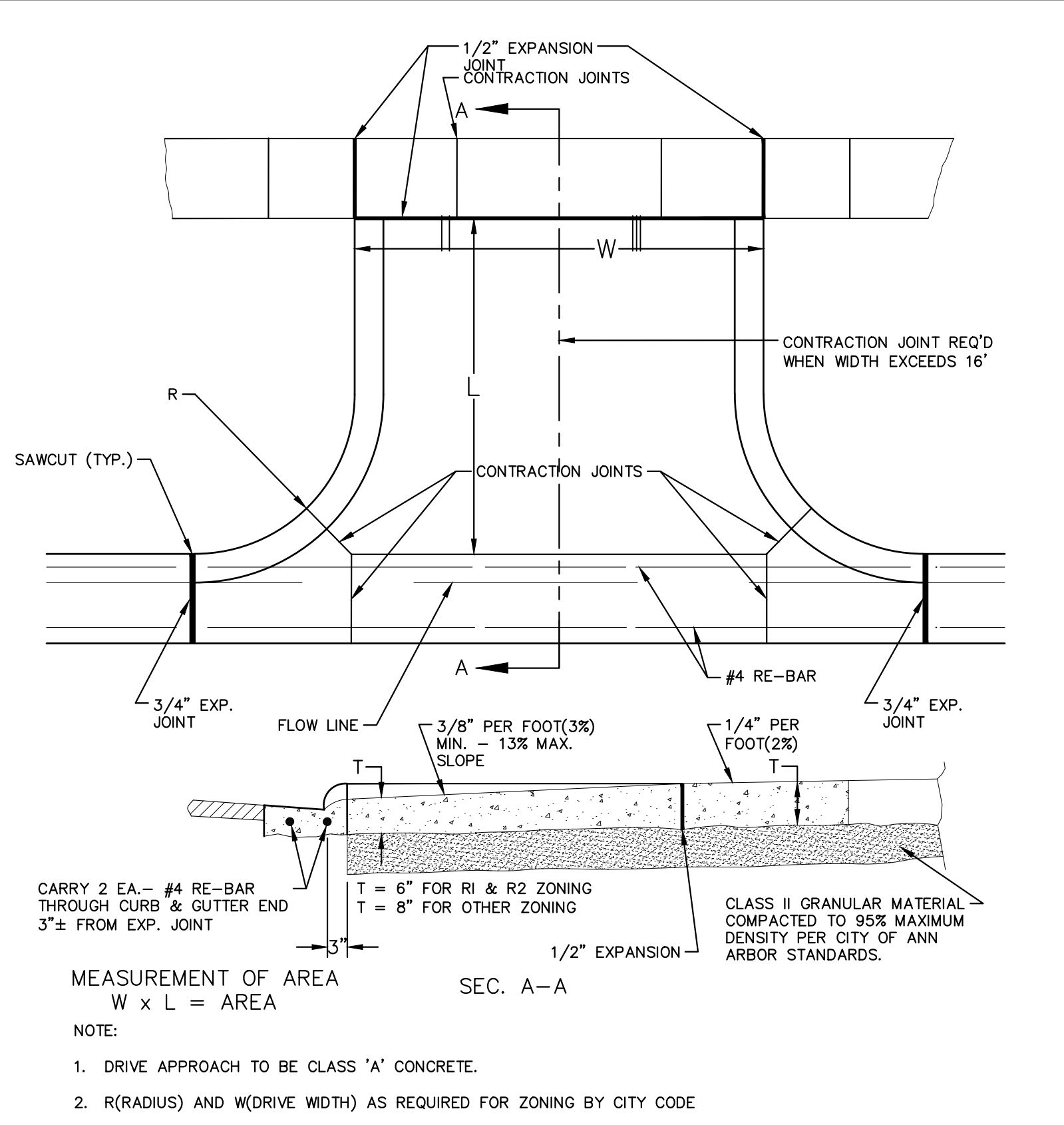
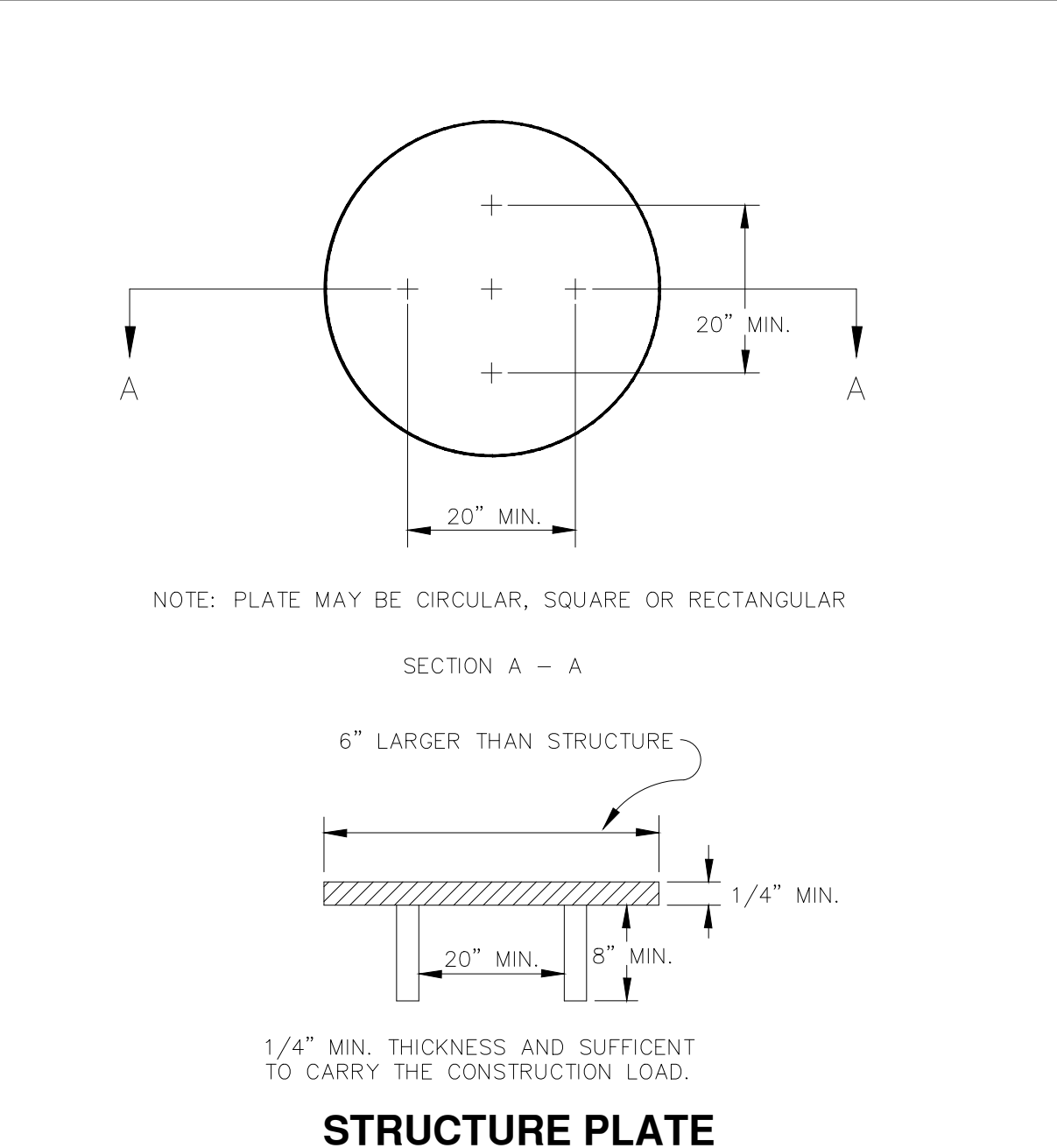
1.0' MIN.

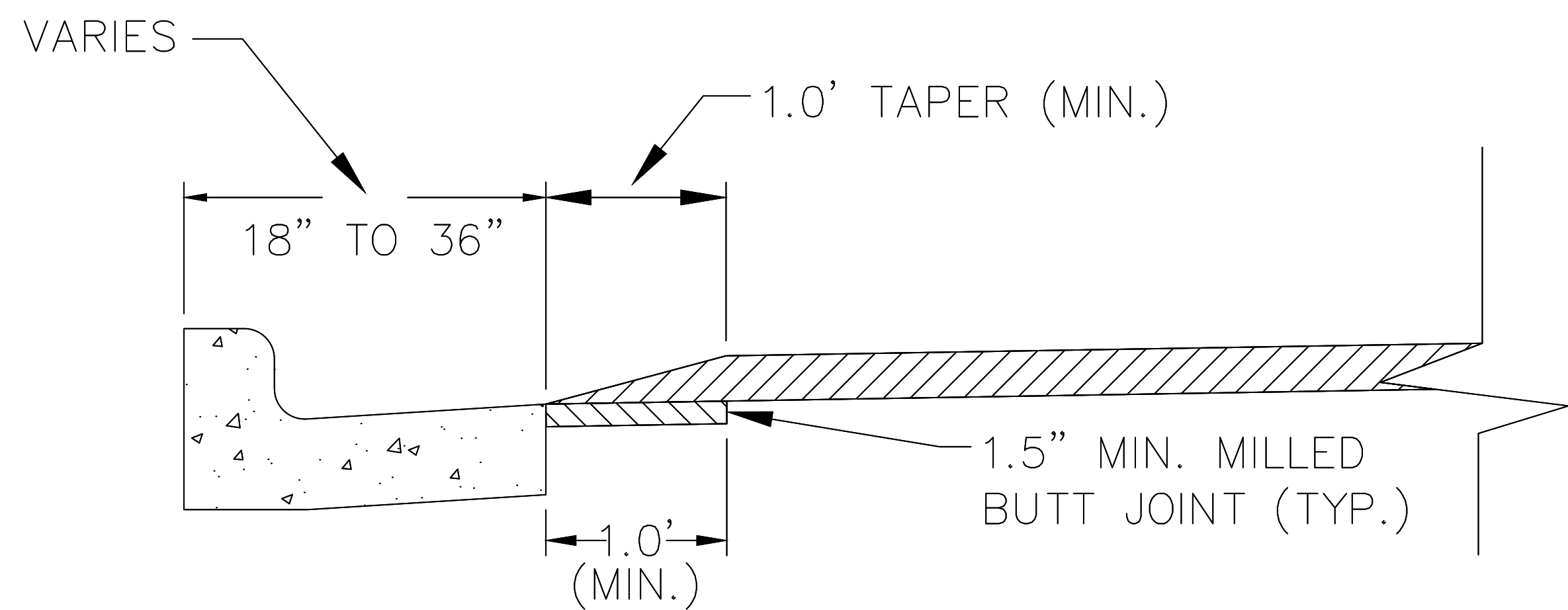
LIMIT OF PAVEMENT PATCH

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

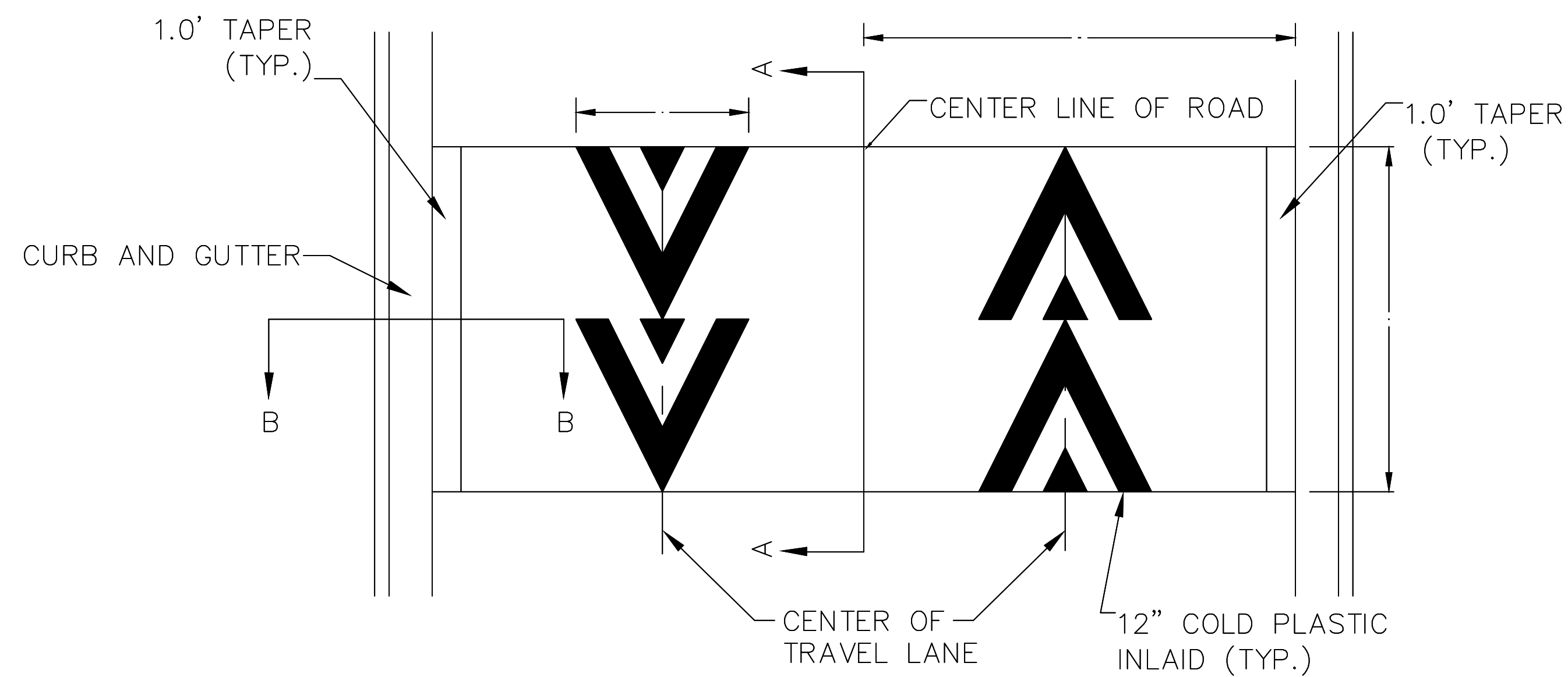
CITY OF ANN ARBOR STANDARD SD-GU-7 APPLIES TO: SEE PLANS FOR LOCATIONS

WATER VALVE BOX ADJUSTMENT

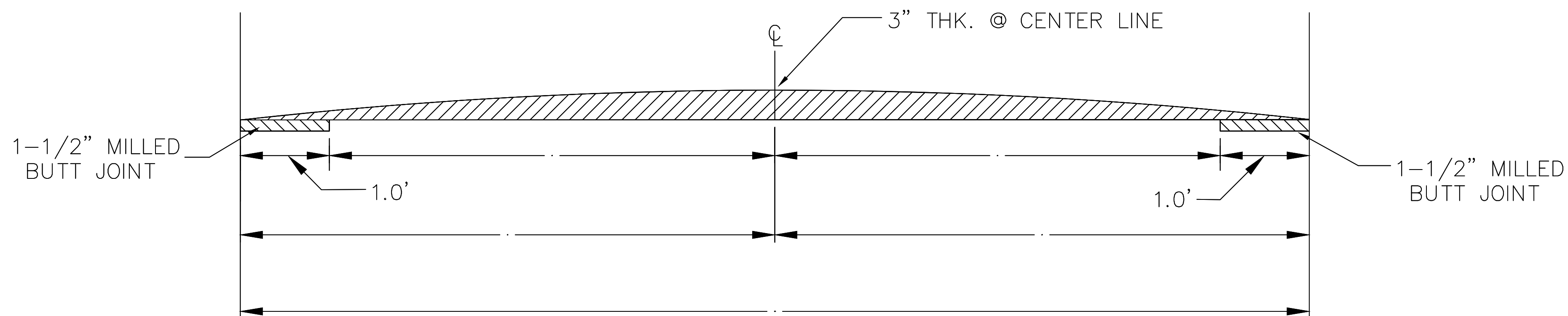




SPEED HUMP CROSS SECTION
SECTION B-B



PAVEMENT MARKING DETAIL



SPEED HUMP CROSS SECTION
SECTION A-A

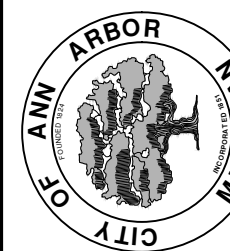
GENERAL NOTES

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.



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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION
PROJECT - 2019
TRAFFIC CALMING DETAIL

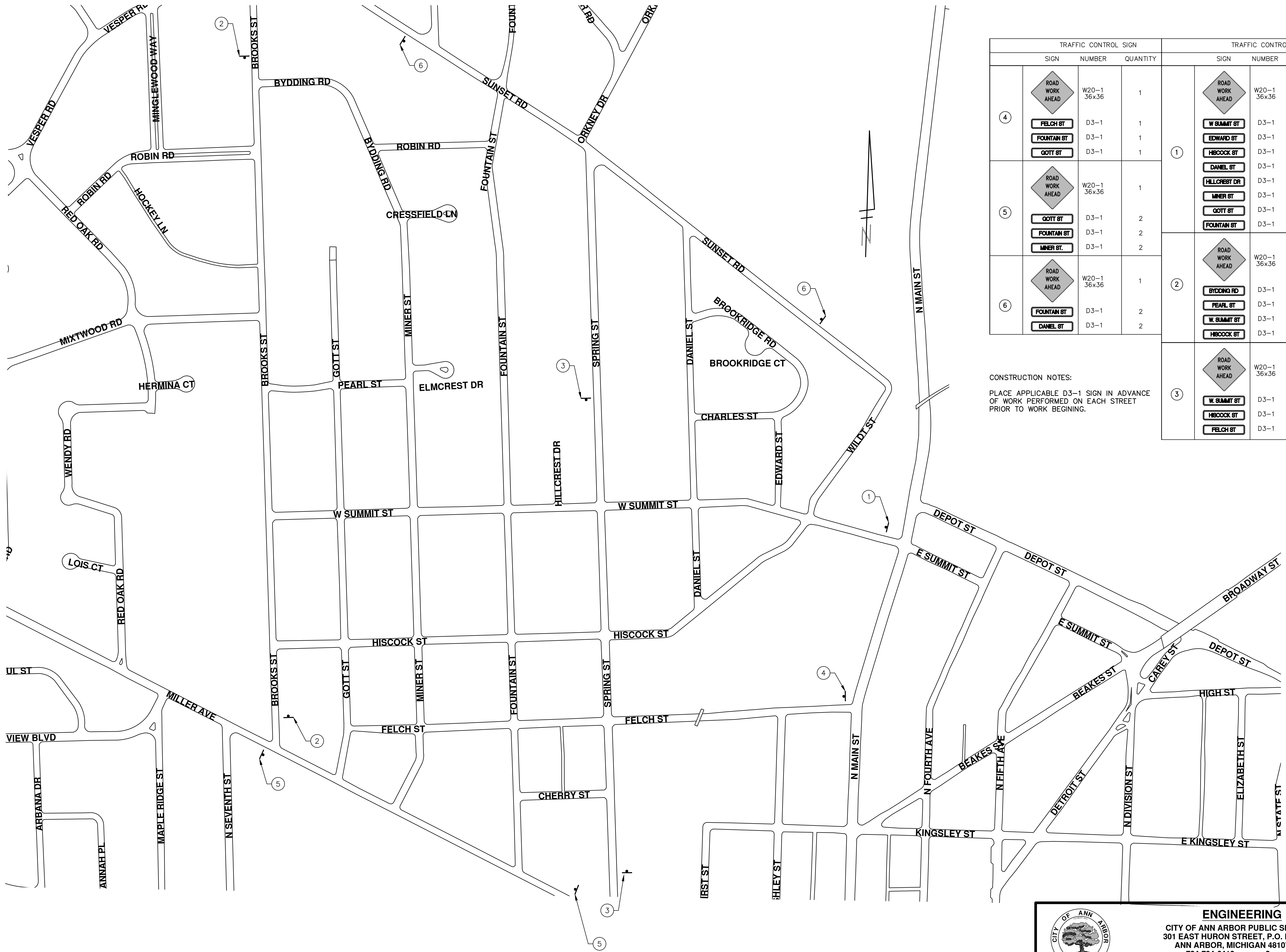
SCALE PLAN: NONE
DRAWING No. 2019004-5

SHEET No.

5 OF 121

REV.	DESCRIPTION	DATE	AI/CS/CE	DAD	CHECKED
00	BID SET	03-13-2019			





TRAFFIC CONTROL SIGN				TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	SIGN	NUMBER	QUANTITY		
④ ROAD WORK AHEAD FELCH ST FOUNTAIN ST GOTT ST	W20-1 36x36	1	① ROAD WORK AHEAD W SUMMIT ST EDWARD ST HISCOCK ST DANIEL ST HILLCREST DR MINER ST GOTT ST FOUNTAIN ST	W20-1 36x36	1		
	D3-1	1		D3-1	1		
	D3-1	1		D3-1	1		
⑤ ROAD WORK AHEAD GOTT ST FOUNTAIN ST MINER ST	W20-1 36x36	1	② ROAD WORK AHEAD BYDDING RD PEARL ST W SUMMIT ST HISCOCK ST	W20-1 36x36	1		
	D3-1	2		D3-1	2		
	D3-1	2		D3-1	2		
⑥ ROAD WORK AHEAD FOUNTAIN ST DANIEL ST	W20-1 36x36	1	③ ROAD WORK AHEAD W SUMMIT ST HISCOCK ST FELCH ST	W20-1 36x36	1		
	D3-1	2		D3-1	2		
	D3-1	2		D3-1	2		

CONSTRUCTION NOTES:
PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET PRIOR TO WORK BEGINNING.

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

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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION PROJECT - 2019

LOCAL STREET TRAFFIC CONTROL

SCALE PLAN: NONE
DRAWING No. 2019004-6
SHEET No. 6 OF 121

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: BROOKRIDGE COURT

ITB No. 4570 FILE No. 2019004

T: \\2019004\Plan Production\2019004 - Brookridge Court.dwg Dwg Created: 21-Dec-18 - _a2_standard bw.stb - Plot Date: 13-Mar-19

CONSTRUCTION KEY	
KEY	ASSOCIATED PAY ITEM(S)
AA	<ul style="list-style-type: none"> • _Dr Structure, Adj, Case 1, Modified • _Dr Structure, Adj, Case 2, Modified • _Dr Structure, Temp Lowering, Modified
AB	<ul style="list-style-type: none"> • _Dr Structure, Temp Lowering, Modified • _Gate Box, Adj, Case 1 • _Gate Box, Adj, Case 2 • Monument Box Adjust
ADST	<ul style="list-style-type: none"> • _Dr Structure, Adj, Add Depth, Modified
AK	<ul style="list-style-type: none"> • _Dr Structure, Adj, Case 1, Modified
C4	<ul style="list-style-type: none"> • Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem • Grading, Sidewalk • Sidewalk, Conc, 4 inch, Modified
C4HE	<ul style="list-style-type: none"> • Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem • Grading, Sidewalk • Cement • Sidewalk, Conc, 4 inch, Modified
C6	<ul style="list-style-type: none"> • Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem • Grading, Sidewalk • Grading, Sidewalk Ramp • Detectable Warning Surface, Modified • Sidewalk Ramp, Conc, 6 inch, Modified • Sidewalk, Conc, 6 inch, Modified
C8	<ul style="list-style-type: none"> • Grading, Driveway Approach • Driveway, Nonreinf Conc, 8 inch, Modified
C HE	<ul style="list-style-type: none"> • Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem • Grading, Driveway Approach • Grading, Sidewalk • Grading, Sidewalk Ramp • Cement • Driveway, Nonreinf Conc, 6 inch, Modified • Driveway, Nonreinf Conc, 8 inch, Modified • Detectable Warning Surface, Modified • Sidewalk Ramp, Conc, 6 inch, Modified • Sidewalk, Conc, 6 inch, Modified
C/G	<ul style="list-style-type: none"> • Curb, Gutter, and Curb and Gutter, Any Type, Rem • Curb and Gutter, Conc
C/GHE	<ul style="list-style-type: none"> • Curb, Gutter, and Curb and Gutter, Any Type, Rem • Cement • Driveway Opening, Conc, Det M, Modified
CP	<ul style="list-style-type: none"> • Grading, Sidewalk • Sidewalk, Conc, 4 inch, Modified
CR	<ul style="list-style-type: none"> • Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem
DS	<ul style="list-style-type: none"> • Dr Structure, Rem • Sewer, Rem, Less than 24 inch • Dr Structure, 24 inch dia
DSDI	<ul style="list-style-type: none"> • Dr Structure, Rem • Sewer, Rem, Less than 24 inch • Dr Structure, Double Inlet
PT	<ul style="list-style-type: none"> • _Dr Structure, Point
RRA	<ul style="list-style-type: none"> • Dr Structure Cover, Type B • _Dr Structure Cover, Type B, Special • _Dr Structure, Adj, Case 1, Modified • _Dr Structure, Temp Lowering, Modified
RRK	<ul style="list-style-type: none"> • Dr Structure Cover, Type K • _Dr Structure, Adj, Case 1, Modified
RS	<ul style="list-style-type: none"> • _Dr Structure, Reconstruct
TYPE II	<ul style="list-style-type: none"> • Plastic Drum, High Intensity, Lighted, Fum • Plastic Drum, High Intensity, Lighted, Oper
TYPE III	<ul style="list-style-type: none"> • Barricade, Type III, High Intensity, Double Sided, Lighted, Fum • Barricade, Type III, High Intensity, Double Sided, Lighted, Oper

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.



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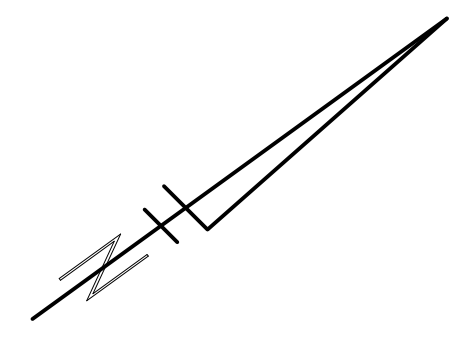
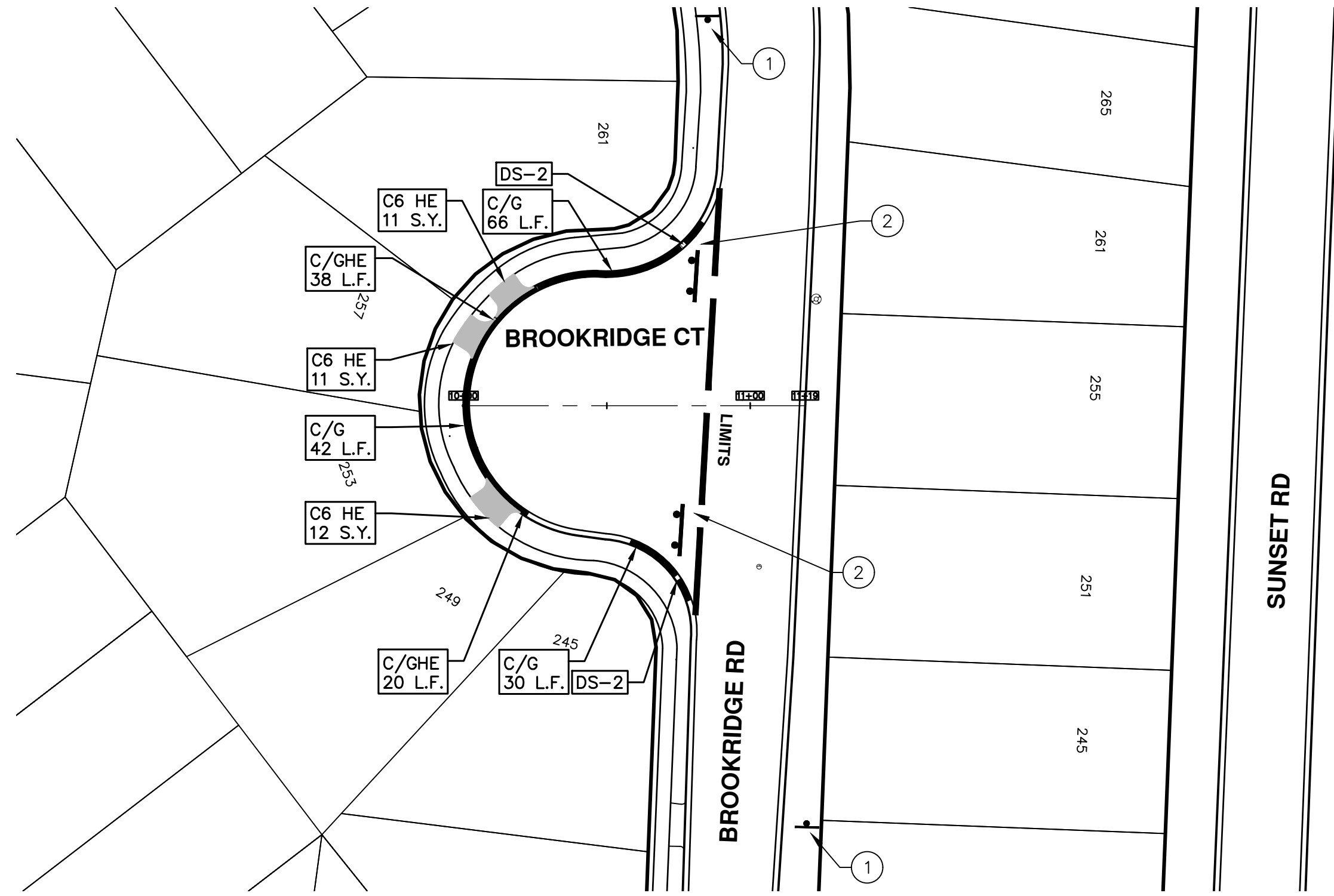
REV.	OO	BID SET	DESCRIPTION
CHECKED	DAD	DRAWN	DATE
03-13-2019	AH.GS.CE	DRAWN	DATE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING/RESTORATION
PROJECT - 2019
SUBSET COVER SHEET

DRAWING No. 2019004-7



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		W20-3 36x36 D3-1	2
②		BARRICADE TYPE III HIGH INTENSITY LIGHTED	2



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
STREET RESURFACING/RESTORATION
PROJECT - 2019
 BROOKRIDGE COURT
 STA. 10+00 - STA. 11+19

SCALE PLAN: 1"=40'
 DRAWING No. 2019004-8
 SHEET No. 8 OF 121

CITY OF ANN ARBOR
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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

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



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: BYDDING ROAD

ITB No. 4570 FILE No. 2019004

CONSTRUCTION KEY	
KEY	ASSOCIATED PAY ITEM(S)
AA	• _Dr Structure, Adj, Case 1, Modified • _Dr Structure, Adj, Case 2, Modified • _Dr Structure, Temp Lowering, Modified
AB	• _Dr Structure, Temp Lowering, Modified • _Gate Box, Adj, Case 1 • _Gate Box, Adj, Case 2 • Monument Box Adjust
ADST	• _Dr Structure, Adj, Add Depth, Modified
AK	• _Dr Structure, Adj, Case 1, Modified
C4	• _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem • _Grading, Sidewalk • _Sidewalk, Conc, 4 inch, Modified
C4HE	• _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem • _Grading, Sidewalk • Cement • _Sidewalk, Conc, 4 inch, Modified
C6	• _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem • _Grading, Sidewalk • _Grading, Sidewalk Ramp • Detectable Warning Surface, Modified • _Sidewalk Ramp, Conc, 6 inch, Modified • _Sidewalk, Conc, 6 inch, Modified
C8	• _Grading, Driveway Approach • _Driveway, Nonreinf Conc, 8 inch, Modified
C HE	• _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem • _Grading, Driveway Approach • _Grading, Sidewalk • _Grading, Sidewalk Ramp • Cement • _Driveway, Nonreinf Conc, 6 inch, Modified • _Driveway, Nonreinf Conc, 8 inch, Modified • Detectable Warning Surface, Modified • _Sidewalk Ramp, Conc, 6 inch, Modified • _Sidewalk, Conc, 6 inch, Modified
C/G	• _Curb, Gutter, and Curb and Gutter, Any Type, Rem • _Curb and Gutter, Conc
C/GHE	• _Curb, Gutter, and Curb and Gutter, Any Type, Rem • Cement • _Driveway Opening, Conc, Det M, Modified
CP	• _Grading, Sidewalk • _Sidewalk, Conc, 4 inch, Modified
CR	• _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem
DS	• Dr Structure, Rem • Sewer, Rem, Less than 24 inch • Dr Structure, 24 inch dia
DSDI	• Dr Structure, Rem • Sewer, Rem, Less than 24 inch • _Dr Structure, Double Inlet
PT	• _Dr Structure, Point
RRA	• Dr Structure Cover, Type B • _Dr Structure Cover, Type B, Special • _Dr Structure, Adj, Case 1, Modified • _Dr Structure, Temp Lowering, Modified
RRK	• Dr Structure Cover, Type K • _Dr Structure, Adj, Case 1, Modified
RS	• _Dr Structure, Reconstruct
TYPE II	• Plastic Drum, High Intensity, Lighted, Fum • Plastic Drum, High Intensity, Lighted, Oper
TYPE III	• Baticade, Type III, High Intensity, Double Sided, Lighted, Fum • Baticade, Type III, High Intensity, Double Sided, Lighted, Oper

NOTES:

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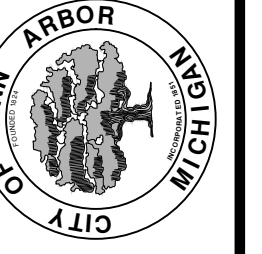


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REV	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

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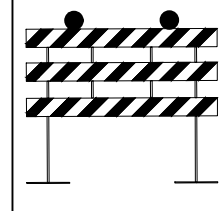


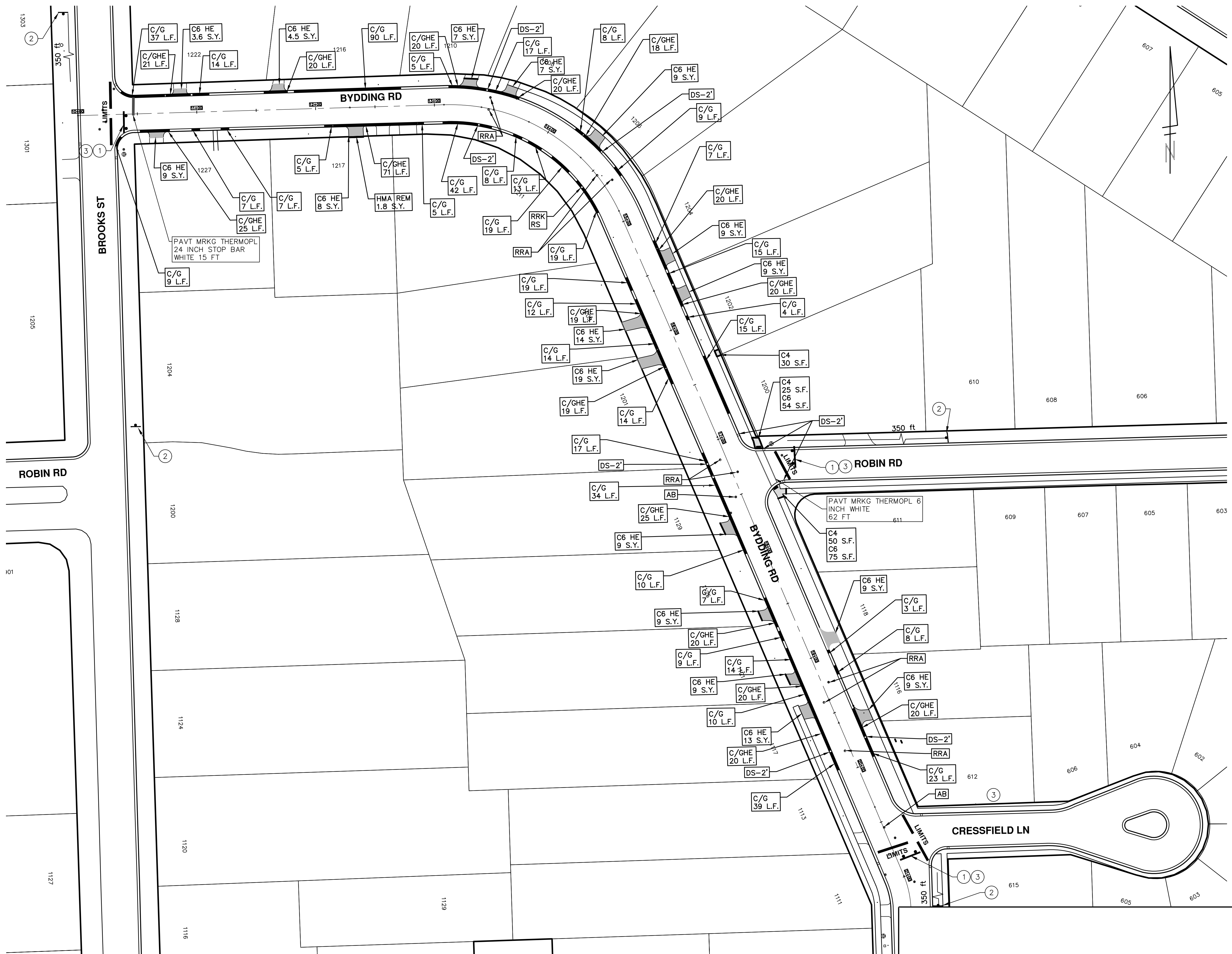
ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION
PROJECT - 2019
SUBSET COVER SHEET


DRAWING No.
2019004-9

T:\2019004\Plan Production\2019004 - Bydding Road.dwg Dwg Created: 27-Dec-18 - _a2_standard bw.stb - Plot Date: 13-Mar-19

T:\2019004\Plan Production\2019004 - Bydding Road.dwg Dwg Created: 27-Dec-18 - _a2 standard bw.stb - Plot Date: 13-Mar-19


TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
①	 R11-4 60x30	4	
②	 W20-3 36x36  D3-1	4	
③	 BARRICADE TYPE III HIGH INTENSITY LIGHTED	4	





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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD



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ANN ARBOR: 734.794.4410
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STREET RESURFACING/RESTORATION
PROJECT - 2019
BYDDING ROAD
STA. 10+00 - STA. 21+56

SCALE PLAN: 1"=40'

DRAWING No. 2019004-10

SHEET No. 10 OF 121

10 OF 121



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: CHARLES STREET

ITB No. 4570 FILE No. 2019004



CONSTRUCTION KEY	
KEY	ASSOCIATED PAY ITEM(S)
AA	<ul style="list-style-type: none"> _Dr Structure, Adj, Case 1, Modified _Dr Structure, Adj, Case 2, Modified _Dr Structure, Temp Lowering, Modified
AB	<ul style="list-style-type: none"> _Dr Structure, Temp Lowering, Modified _Gate Box, Adj, Case 1 _Gate Box, Adj, Case 2 Monument Box Adjust
ADST	<ul style="list-style-type: none"> _Dr Structure, Adj, Add Depth, Modified
AK	<ul style="list-style-type: none"> _Dr Structure, Adj, Case 1, Modified
C4	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk _Sidewalk, Conc, 4 inch, Modified
C4HE	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk Cement _Sidewalk, Conc, 4 inch, Modified
C6	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk _Grading, Sidewalk Ramp _Detectable Warning Surface, Modified _Sidewalk Ramp, Conc, 6 inch, Modified _Sidewalk, Conc, 6 inch, Modified
C8	<ul style="list-style-type: none"> _Grading, Driveway Approach _Driveway, Nonrein Conc, 8 inch, Modified
C HE	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Driveway Approach _Grading, Sidewalk _Grading, Sidewalk Ramp Cement _Driveway, Nonrein Conc, 6 inch, Modified _Driveway, Nonrein Conc, 8 inch, Modified _Detectable Warning Surface, Modified _Sidewalk Ramp, Conc, 6 inch, Modified _Sidewalk, Conc, 6 inch, Modified
C/G	<ul style="list-style-type: none"> _Curb, Gutter, and Curb and Gutter, Any Type, Rem _Curb and Gutter, Conc
C/GHE	<ul style="list-style-type: none"> _Curb, Gutter, and Curb and Gutter, Any Type, Rem Cement _Driveway Opening, Conc, Det M, Modified
CP	<ul style="list-style-type: none"> _Grading, Sidewalk _Sidewalk, Conc, 4 inch, Modified
CR	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem
DS	<ul style="list-style-type: none"> Dr Structure, Rem Sewer, Rem, Less than 24 inch Dr Structure, 24 inch dia
DSDI	<ul style="list-style-type: none"> Dr Structure, Rem Sewer, Rem, Less than 24 inch _Dr Structure, Double Inlet
PT	<ul style="list-style-type: none"> _Dr Structure, Point
RRA	<ul style="list-style-type: none"> Dr Structure Cover, Type B _Dr Structure Cover, Type B, Special _Dr Structure, Adj, Case 1, Modified _Dr Structure, Temp Lowering, Modified
RRK	<ul style="list-style-type: none"> Dr Structure Cover, Type K _Dr Structure, Adj, Case 1, Modified
RS	<ul style="list-style-type: none"> _Dr Structure, Reconstruct
TYPE II	<ul style="list-style-type: none"> Plastic Drum, High Intensity, Lighted, Fum Plastic Drum, High Intensity, Lighted, Oper
TYPE III	<ul style="list-style-type: none"> Baricade, Type III, High Intensity, Double Sided, Lighted, Fum Baricade, Type III, High Intensity, Double Sided, Lighted, Oper

NOTES:

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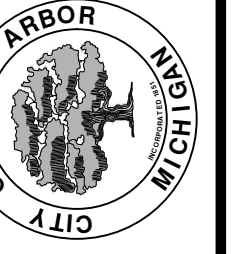


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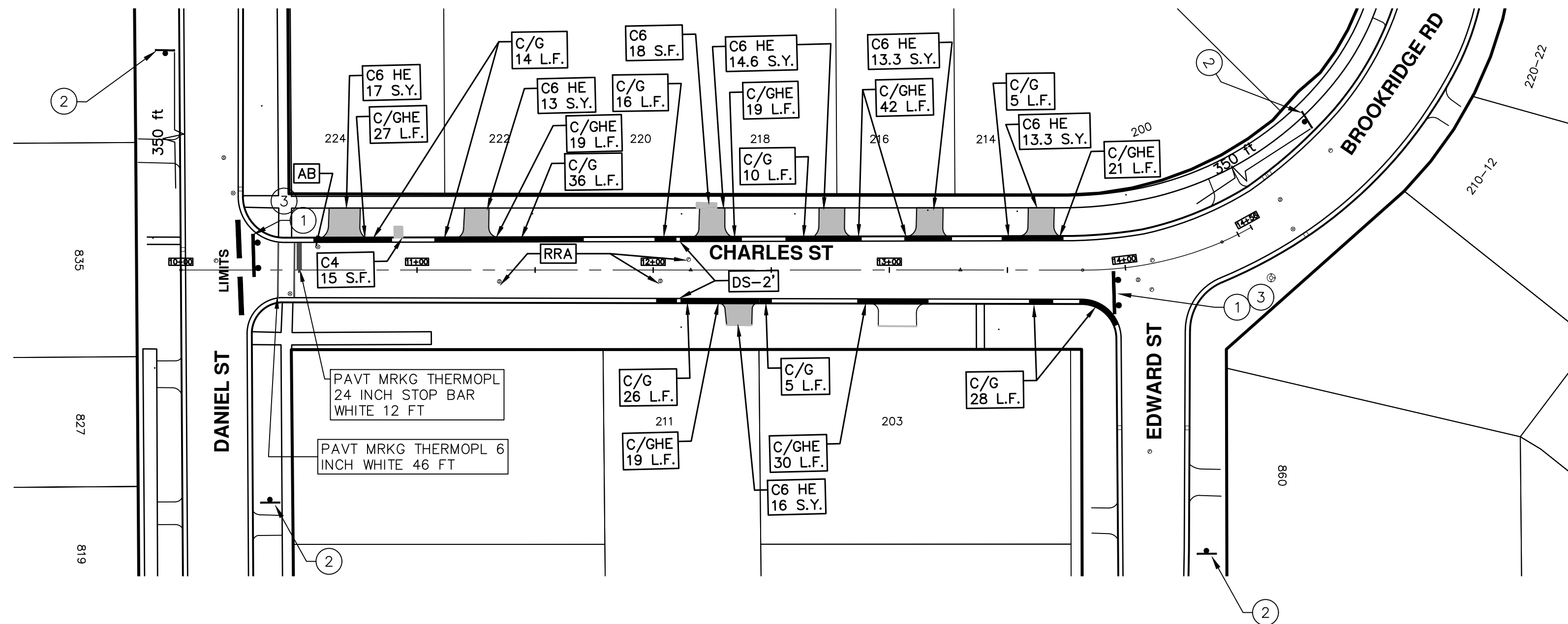




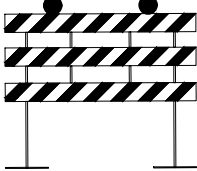
REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

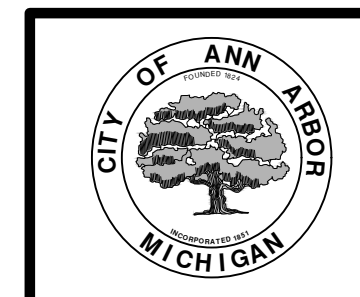
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STREET RESURFACING/RESTORATION
PROJECT - 2019
SUBSET COVER SHEET



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		R11-4 60x30	2
②		W20-3 36x36	4
		CHARLES ST D3-1	
③		BARRICADE TYPE III HIGH INTENSITY LIGHTED	2



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STREET RESURFACING/RESTORATION

PROJECT - 2019
 CHARLES STREET
 STA. 10+00 - STA. 14+56

SCALE PLAN: 1"=40'

DRAWING No. 2019004-12

SHEET No. 12 OF 121

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00	BID SET	03-13-2019	AH.GS.CE	DAD

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CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: CRESSFIELD LANE

ITB No. 4570 FILE No. 2019004

CONSTRUCTION KEY	
KEY	ASSOCIATED PAY ITEM(S)
AA	<ul style="list-style-type: none"> _Dr Structure, Adj, Case 1, Modified _Dr Structure, Adj, Case 2, Modified _Dr Structure, Temp Lowering, Modified
AB	<ul style="list-style-type: none"> _Dr Structure, Temp Lowering, Modified _Gate Box, Adj, Case 1 _Gate Box, Adj, Case 2 Monument Box Adjust
ADST	<ul style="list-style-type: none"> _Dr Structure, Adj, Add Depth, Modified
AK	<ul style="list-style-type: none"> _Dr Structure, Adj, Case 1, Modified
C4	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk _Sidewalk, Conc, 4 inch, Modified
C4HE	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk Cement _Sidewalk, Conc, 4 inch, Modified
C6	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk _Grading, Sidewalk Ramp _Detectable Warning Surface, Modified _Sidewalk Ramp, Conc, 6 inch, Modified _Sidewalk, Conc, 6 inch, Modified
C8	<ul style="list-style-type: none"> _Grading, Driveway Approach _Driveway, Nonreinf Conc, 8 inch, Modified
C HE	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Driveway Approach _Grading, Sidewalk _Grading, Sidewalk Ramp Cement _Driveway, Nonreinf Conc, 6 inch, Modified _Driveway, Nonreinf Conc, 8 inch, Modified _Detectable Warning Surface, Modified _Sidewalk Ramp, Conc, 6 inch, Modified _Sidewalk, Conc, 6 inch, Modified
C/G	<ul style="list-style-type: none"> _Curb, Gutter, and Curb and Gutter, Any Type, Rem _Curb and Gutter, Conc
C/GHE	<ul style="list-style-type: none"> _Curb, Gutter, and Curb and Gutter, Any Type, Rem Cement _Driveway Opening, Conc, Det M, Modified
CP	<ul style="list-style-type: none"> _Grading, Sidewalk _Sidewalk, Conc, 4 inch, Modified
CR	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem
DS	<ul style="list-style-type: none"> Dr Structure, Rem Sewer, Rem, Less than 24 inch Dr Structure, 24 inch dia
DSDI	<ul style="list-style-type: none"> Dr Structure, Rem Sewer, Rem, Less than 24 inch _Dr Structure, Double Inlet
PT	<ul style="list-style-type: none"> _Dr Structure, Point
RRA	<ul style="list-style-type: none"> Dr Structure Cover, Type B _Dr Structure Cover, Type B, Special _Dr Structure, Adj, Case 1, Modified _Dr Structure, Temp Lowering, Modified
RRK	<ul style="list-style-type: none"> Dr Structure Cover, Type K _Dr Structure, Adj, Case 1, Modified
RS	<ul style="list-style-type: none"> _Dr Structure, Reconstruct
TYPE II	<ul style="list-style-type: none"> Plastic Drum, High Intensity, Lighted, Fum Plastic Drum, High Intensity, Lighted, Oper
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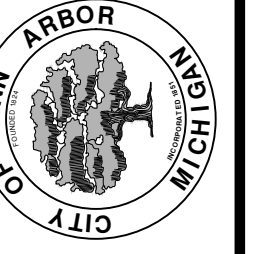


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REV	DESCRIPTION	DATE	DRAWN	CHECKED
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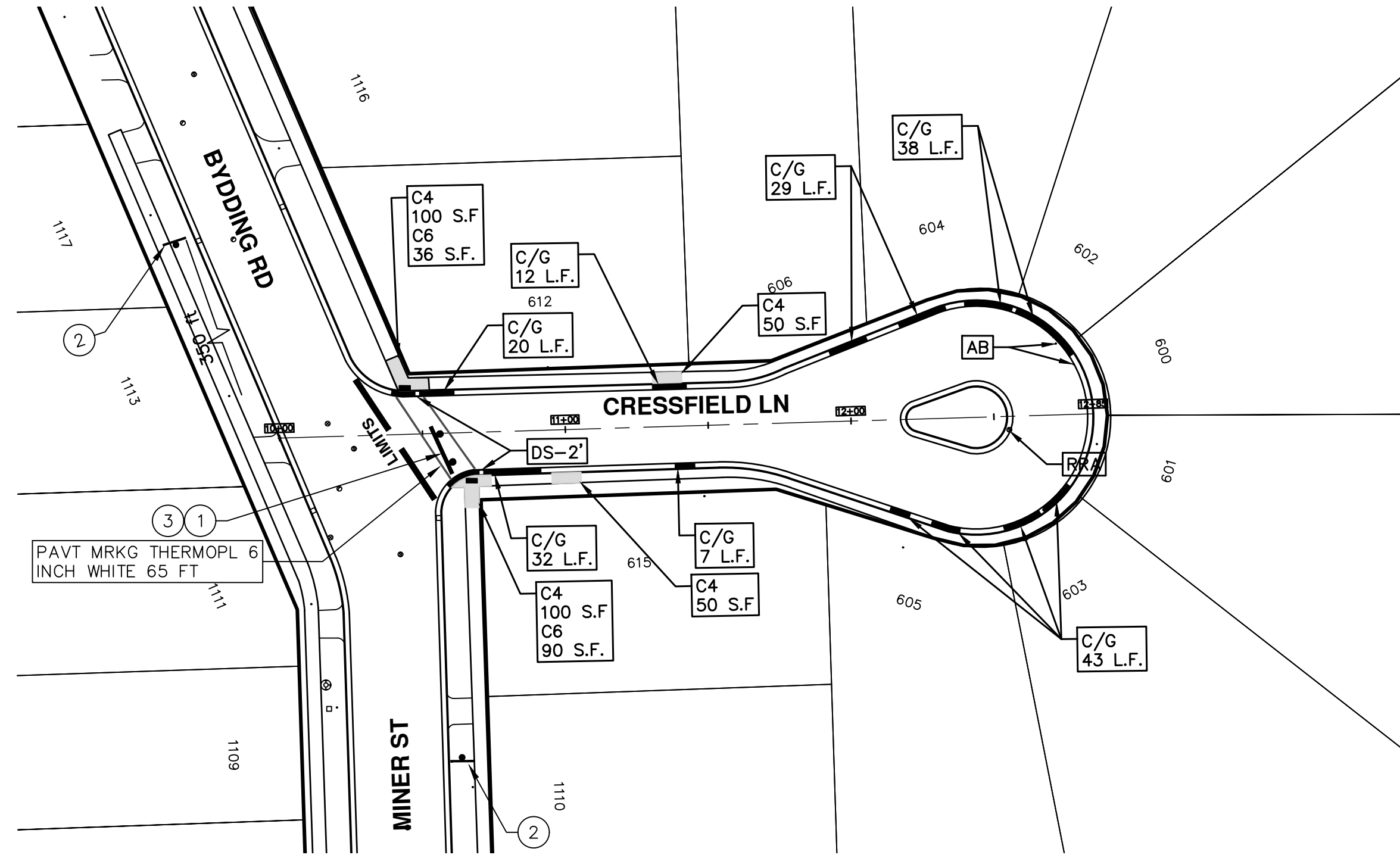
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STREET RESURFACING/RESTORATION
PROJECT - 2019
CRESSFIELD LANE
SUBSET COVER SHEET

SCALE
DRAWING No.
2019004-13
SHEET No.
13 OF 121

T:\2019004\Plan Production\2019004 - Cressfield Lane.dwg Dwg Created: 27-Dec-18 - _g2 standard bw.stb - Plot Date: 13-Mar-19



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①	ROAD CLOSED LOCAL TRAFFIC ONLY	R11-4 60x30	1
②	ROAD CLOSED AHEAD CRESSFIELD LN	W20-3 36x36 D3-1	2
③	BARRICADE TYPE III HIGH INTENSITY LIGHTED		1

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STREET RESURFACING/RESTORATION
PROJECT - 2019
 CRESSFIELD LANE
 STA. 10+00 - STA. 12+85

SCALE PLAN: 1"=40'
 DRAWING No. 2019004-14

REV.	DESCRIPTION	DATE	AI/CS/CE	DAD	CHECKED
00	BID SET	03-13-2019	AI/CS/CE		

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PROJECT LOCATION: DANIEL STREET

ITB No. 4570 FILE No. 2019004

CONSTRUCTION KEY	
KEY	ASSOCIATED PAY ITEM(S)
AA	<ul style="list-style-type: none"> •_Dr Structure, Adj, Case 1, Modified •_Dr Structure, Adj, Case 2, Modified •_Dr Structure, Temp Lowering, Modified
AB	<ul style="list-style-type: none"> •_Dr Structure, Temp Lowering, Modified •_Gate Box, Adj, Case 1 •_Gate Box, Adj, Case 2 •_Monument Box Adjust
ADST	•_Dr Structure, Adj, Add Depth, Modified
AK	•_Dr Structure, Adj, Case 1, Modified
C4	<ul style="list-style-type: none"> •_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem •_Grading, Sidewalk •_Sidewalk, Conc, 4 inch, Modified
C4HE	<ul style="list-style-type: none"> •_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem •_Grading, Sidewalk •Cement •_Sidewalk, Conc, 4 inch, Modified
C6	<ul style="list-style-type: none"> •_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem •_Grading, Sidewalk •_Grading, Sidewalk Ramp •_Detectable Warning Surface, Modified •_Sidewalk Ramp, Conc, 6 inch, Modified •_Sidewalk, Conc, 6 inch, Modified
C8	<ul style="list-style-type: none"> •_Grading, Driveway Approach •_Driveway, Nonreinf Conc, 8 inch, Modified
C HE	<ul style="list-style-type: none"> •_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem •_Grading, Driveway Approach •_Grading, Sidewalk •_Grading, Sidewalk Ramp •Cement •_Driveway, Nonreinf Conc, 6 inch, Modified •_Driveway, Nonreinf Conc, 8 inch, Modified •_Detectable Warning Surface, Modified •_Sidewalk Ramp, Conc, 6 inch, Modified •_Sidewalk, Conc, 6 inch, Modified
C/G	<ul style="list-style-type: none"> •_Curb, Gutter, and Curb and Gutter, Any Type, Rem •_Curb and Gutter, Conc
C/GHE	<ul style="list-style-type: none"> •_Curb, Gutter, and Curb and Gutter, Any Type, Rem •Cement •_Driveway Opening, Conc, Det M, Modified
CP	<ul style="list-style-type: none"> •_Grading, Sidewalk •_Sidewalk, Conc, 4 inch, Modified
CR	•_Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem
DS	<ul style="list-style-type: none"> •Dr Structure, Rem •Sewer, Rem, Less than 24 inch •Dr Structure, 24 inch dia
DSDI	<ul style="list-style-type: none"> •Dr Structure, Rem •Sewer, Rem, Less than 24 inch •_Dr Structure, Double Inlet
PT	•_Dr Structure, Point
RRA	<ul style="list-style-type: none"> •Dr Structure Cover, Type B •_Dr Structure Cover, Type B, Special •_Dr Structure, Adj, Case 1, Modified •_Dr Structure, Temp Lowering, Modified
RRK	<ul style="list-style-type: none"> •Dr Structure Cover, Type K •_Dr Structure, Adj, Case 1, Modified
RS	•_Dr Structure, Reconstruct
TYPE II	<ul style="list-style-type: none"> •Plastic Drum, High Intensity, Lighted, Fum •Plastic Drum, High Intensity, Lighted, Oper
TYPE III	<ul style="list-style-type: none"> •Barricade, Type III, High Intensity, Double Sided, Lighted, Fum •Barricade, Type III, High Intensity, Double Sided, Lighted, Oper

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.



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REV	00	BID SET	03-13-2019	DATE	AIH.GS.CE	DAD	CHECKED
REV							
REV							

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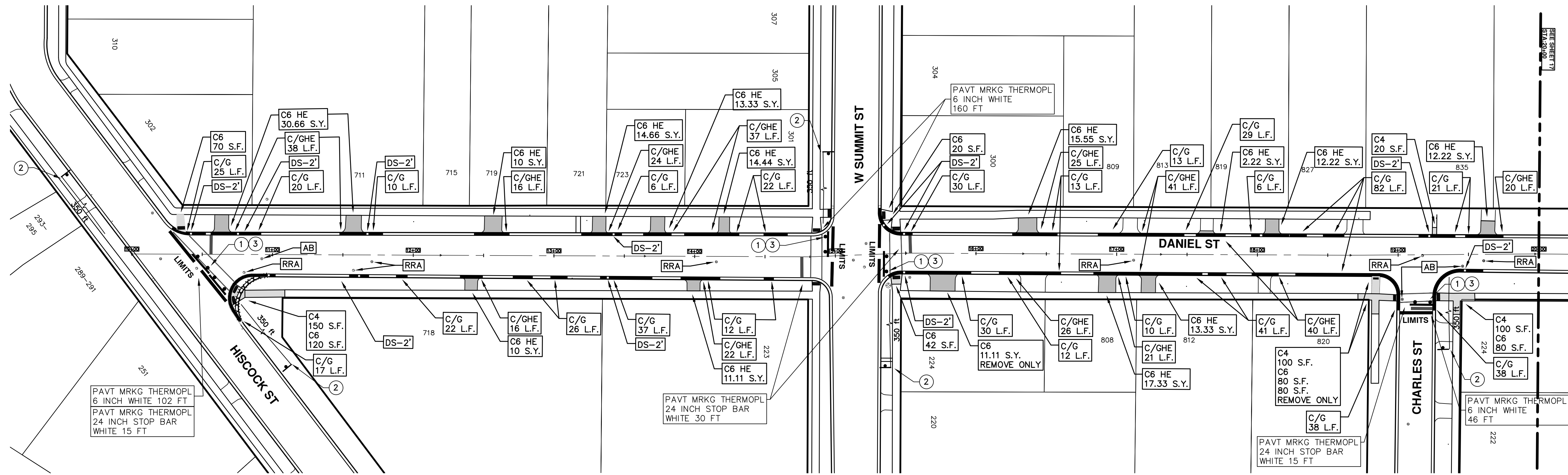
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STREET RESURFACING/RESTORATION
PROJECT - 2019
DANIEL STREET
SUBSET COVER SHEET

SCALE
DRAWING No.
2019004-15

SHEET No.

15 OF 121

T:\2019004\Plan Production\2019004 - Daniel Street.dwg Dwg Created: 27-Dec-18 - _g2 standard bw.stb - Plot Date: 13-Mar-19



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		R11-4 60x30	4
②		W20-3 36x36	5
		D3-1	
③		BARRICADE TYPE III HIGH INTENSITY LIGHTED	5



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PROJECT - 2019
 DANIEL STREET
 STA. 10+00 - STA. 20+00

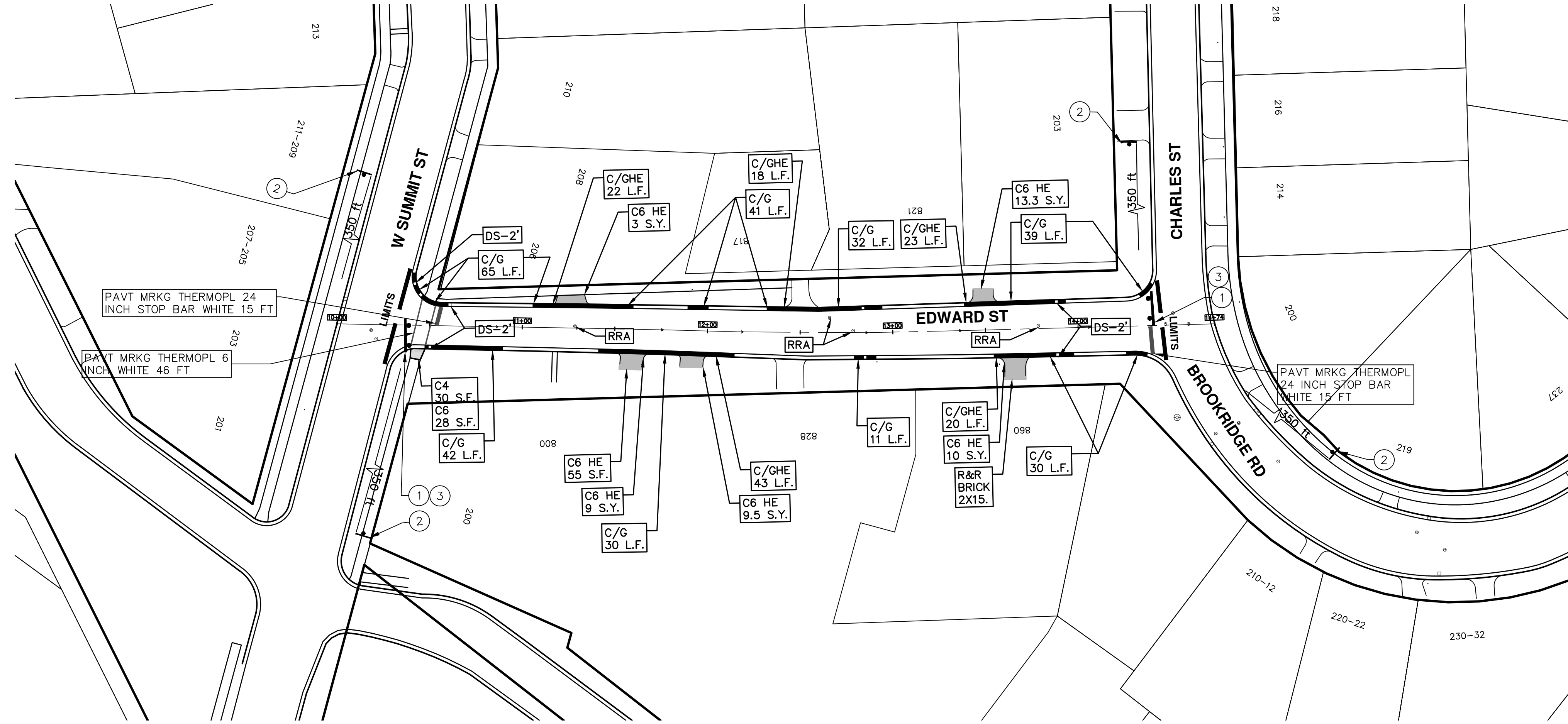
16 OF 121

NO.	DATE	DESCRIPTION	REV.
00	BID SET		
01	03-13-2019	DATE	
		AI, GS, CE	DRAWN
		DAD	CHECKED

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T:\2019004\Plan Production\2019004 - Edward Street.dwg Dwg Created: 28-Dec-18 - _a2 standard bw.stb - Plot Date: 13-Mar-19



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		R11-4 60x30	2
②		W20-3 36x36 D3-1	4
③		BARRICADE TYPE III HIGH INTENSITY LIGHTED	2



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STREET RESURFACING/RESTORATION

PROJECT - 2019
EDWARD STREET

STA. 10+00 - STA. 14+74

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD



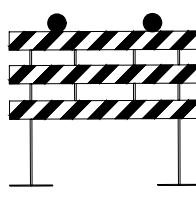
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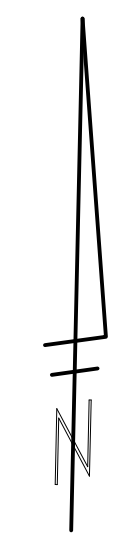
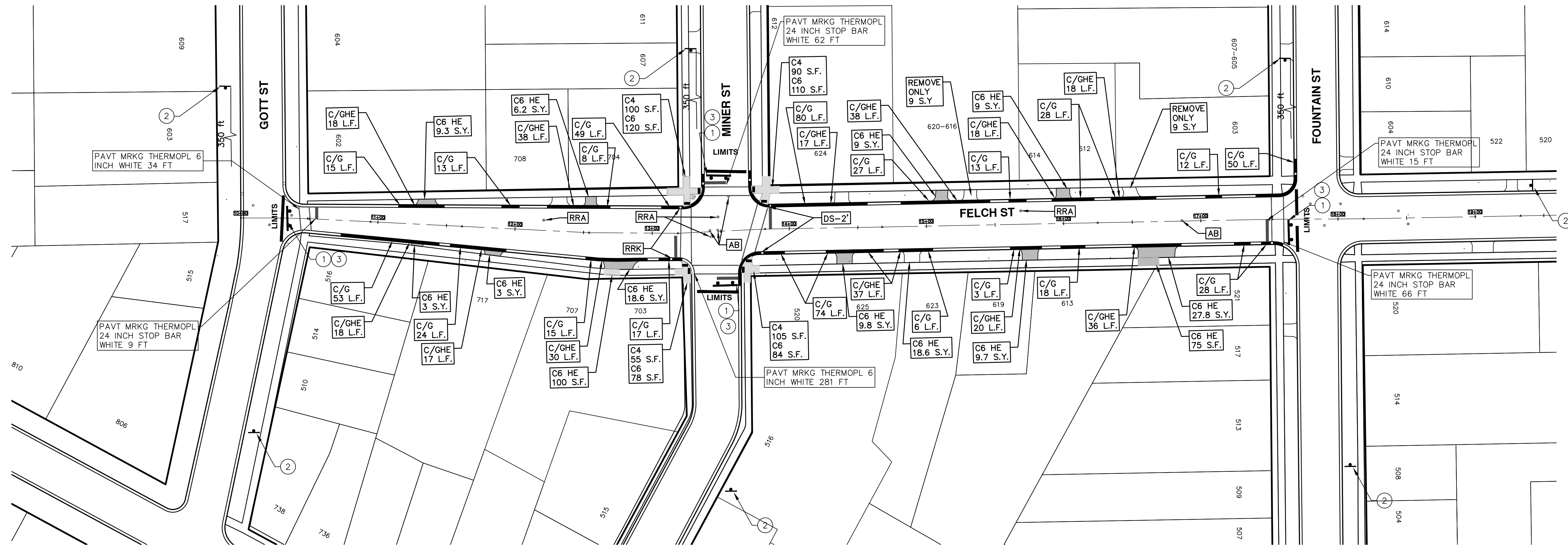
SCALE PLAN: 1"=40'

DRAWING No. 2019004-19

SHEET No. 19 OF 121

T:\2019004\Plan Production\2019004 - Felch Street.dwg Dwg Created: 28-Dec-18 - _a2_standard bw.stb - Plot Date: 13-Mar-19

TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		R11-4 60x30	4
②		W20-3 36x36 D3-1	7
③		BARRICADE TYPE III HIGH INTENSITY LIGHTED	4



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STREET RESURFACING/RESTORATION
PROJECT - 2019
 FELCH STREET
 STA. 10+00 - STA. 18+50

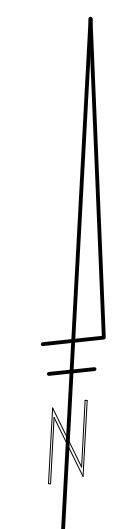
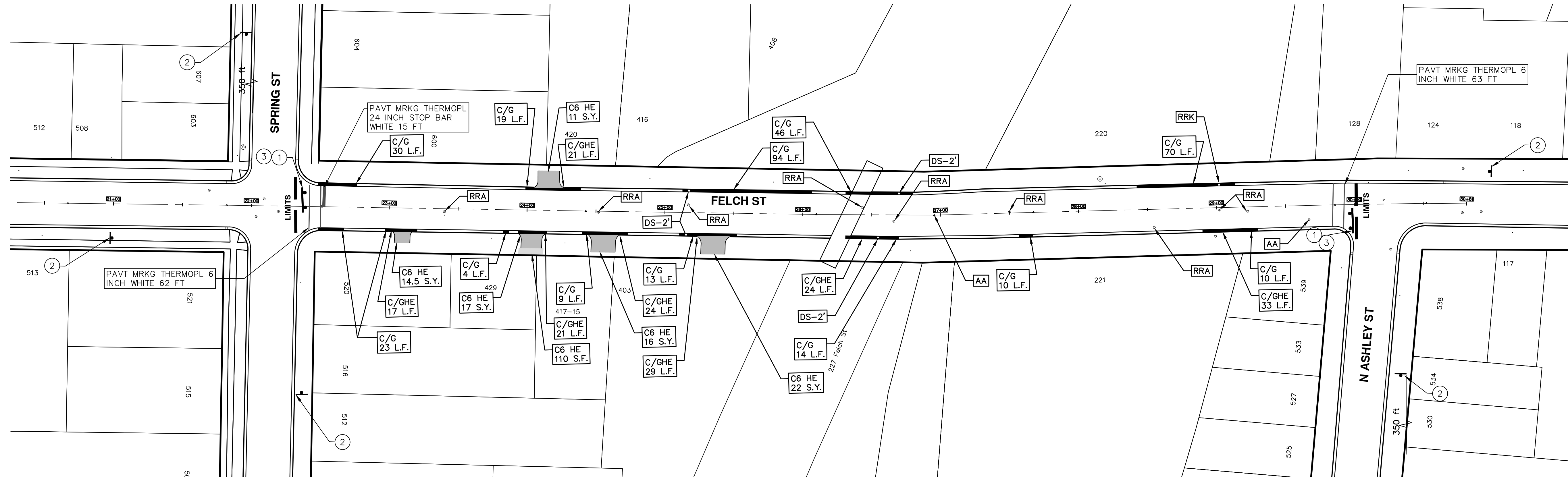
SCALE PLAN: 1"=40'
 DRAWING No. 2019004-21
 SHEET No. 21 OF 121

REV.	DATE	DESCRIPTION	DRAWN	CHECKED
00	03-13-2019		AH.GS.CE	DAD
			BID SET	

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TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①	ROAD CLOSED LOCAL TRAFFIC ONLY	R11-4 60x30	2
②	ROAD CLOSED AHEAD FELCH ST	W20-3 36x36 D3-1	5
③	BARRICADE TYPE III HIGH INTENSITY LIGHTED		2



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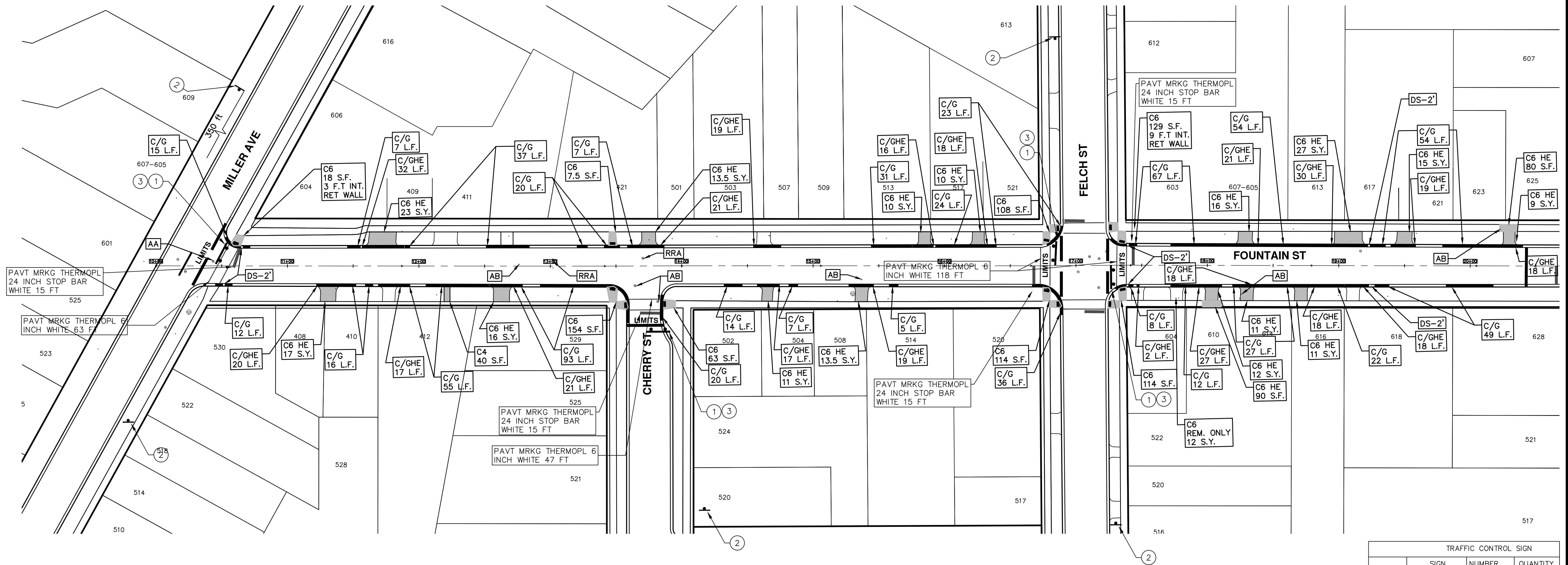
REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

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STREET RESURFACING/RESTORATION
PROJECT - 2019
 FELCH STREET
 STA. 21+50 - STA. 30+81

SCALE PLAN: 1"=40'
 DRAWING No. 2019004-22
 SHEET No. 22 OF 121

T:\2019004\Plan Production\2019004 - Fountain Street.dwg Dwg Created: 28-Dec-18 - _a2 standard bw.stb - Plot Date: 13-Mar-19



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		R11-4 60x30	4
②		W20-3 36x36 D3-1	5
③		BARRICADE TYPE III HIGH INTENSITY LIGHTED	4



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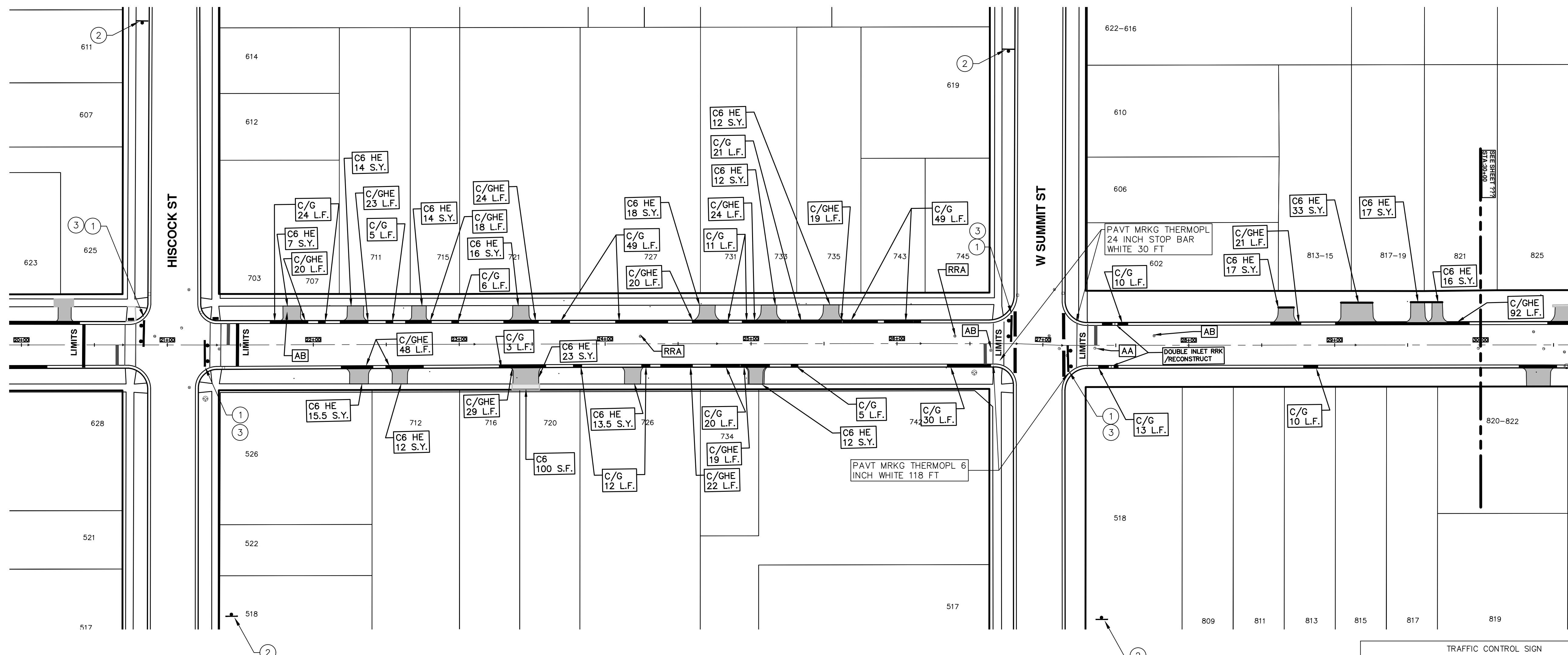
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 STREET RESURFACING/RESTORATION
 PROJECT - 2019
 FOUNTAIN STREET
 STA. 10+00 - STA. 20+00

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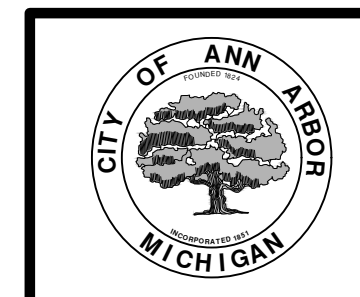
NO.	REV.	DESCRIPTION	DATE	BY	CHECKED
00	BID SET		03-13-2019	AH.GS.CE	DAD
	REV.				

SHEET No. **24 OF 121**

T:\2019004\Plan Production\2019004 - Fountain Street.dwg Dwg Created: 28-Dec-18 - _a2_standard bw.stb - Plot Date: 13-Mar-19



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		R11-4 60x30	4
②		W20-3 36x36	4
		D3-1	
③		BARRICADE TYPE III HIGH INTENSITY LIGHTED	4



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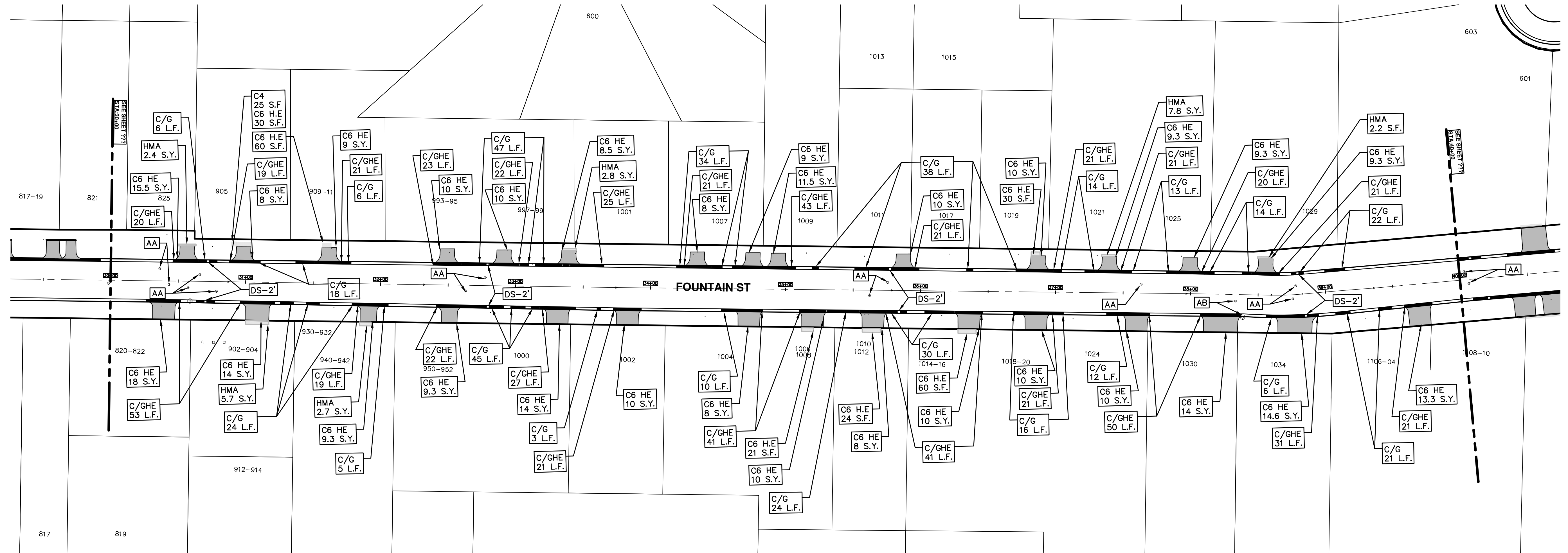
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 STREET RESURFACING/RESTORATION
 PROJECT - 2019
 FOUNTAIN STREET
 STA. 20+00 - STA. 30+00

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

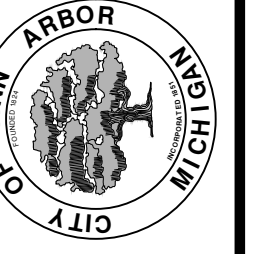
SHEET No. **25 OF 121**

T:\2019004\Plan Production\2019004 - Fountain Street.dwg Dwg Created: 28-Dec-18 - _a2_standard bw.stb - Plot Date: 13-Mar-19



REV.	DESCRIPTION	DATE	BY	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

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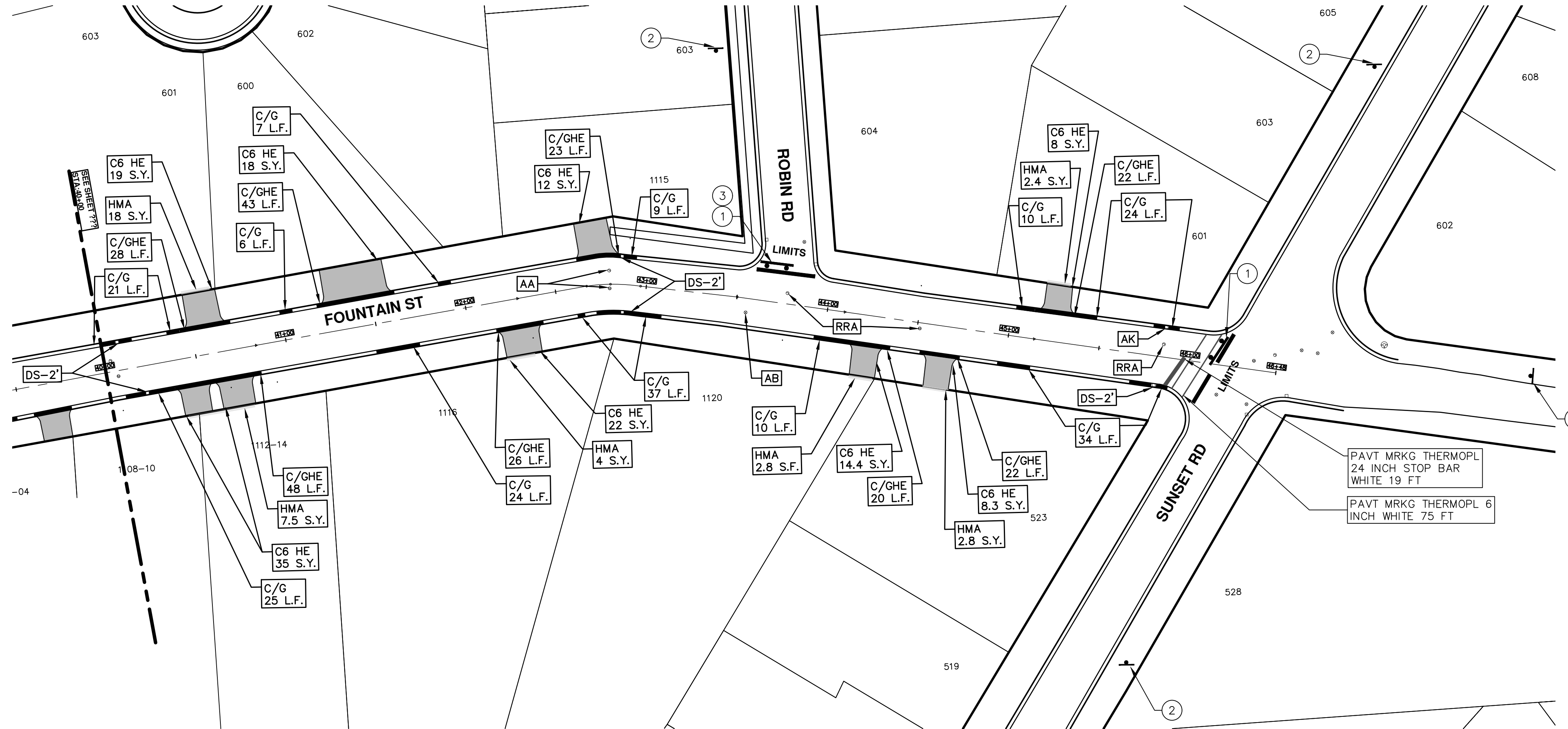
ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION
PROJECT - 2019
FOUNTAIN STREET
STA. 30+00 - STA. 40+00




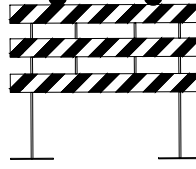
SCALE PLAN: 1"=40'
DRAWING No. 2019004-26
SHEET No. 26 OF 121



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TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
①	 R11-4 60x30	2	
②	 W20-3 36x36  D3-1	4	
③	 BARRICADE TYPE III HIGH INTENSITY LIGHTED	4	



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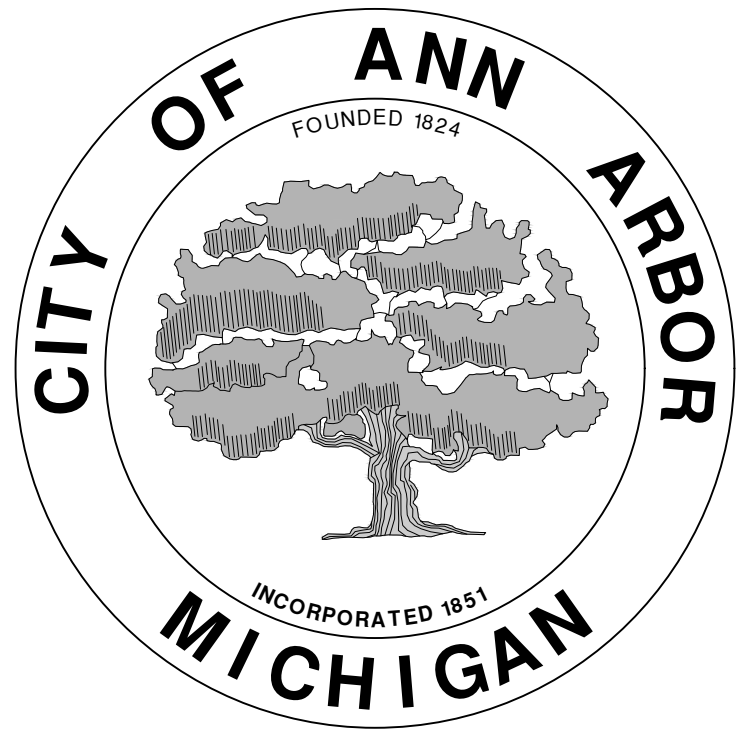
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STREET RESURFACING/RESTORATION
PROJECT - 2019
FOUNTAIN STREET
STA. 40+00 - STA. 46+48

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

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SCALE PLAN: 1"=40'
DRAWING No. 2019004-27
SHEET No. 27 OF 121



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: GOTT STREET

ITB No. 4570 FILE No. 2019004

CONSTRUCTION KEY	
KEY	ASSOCIATED PAY ITEM(S)
AA	<ul style="list-style-type: none"> _Dr Structure, Adj, Case 1, Modified _Dr Structure, Adj, Case 2, Modified _Dr Structure, Temp Lowering, Modified
AB	<ul style="list-style-type: none"> _Dr Structure, Temp Lowering, Modified _Gate Box, Adj, Case 1 _Gate Box, Adj, Case 2 Monument Box Adjust
ADST	<ul style="list-style-type: none"> _Dr Structure, Adj, Add Depth, Modified
AK	<ul style="list-style-type: none"> _Dr Structure, Adj, Case 1, Modified
C4	<ul style="list-style-type: none"> Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk Sidewalk, Conc, 4 inch, Modified
C4HE	<ul style="list-style-type: none"> Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk Cement Sidewalk, Conc, 4 inch, Modified
C6	<ul style="list-style-type: none"> Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk _Grading, Sidewalk Ramp Detectable Warning Surface, Modified Sidewalk Ramp, Conc, 6 inch, Modified Sidewalk, Conc, 6 inch, Modified
C8	<ul style="list-style-type: none"> _Grading, Driveway Approach Driveway, Nonreinf Conc, 8 inch, Modified
C HE	<ul style="list-style-type: none"> Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Driveway Approach _Grading, Sidewalk _Grading, Sidewalk Ramp Cement Driveway, Nonreinf Conc, 6 inch, Modified Driveway, Nonreinf Conc, 8 inch, Modified Detectable Warning Surface, Modified Sidewalk Ramp, Conc, 6 inch, Modified Sidewalk, Conc, 6 inch, Modified
C/G	<ul style="list-style-type: none"> Curb, Gutter, and Curb and Gutter, Any Type, Rem Curb and Gutter, Conc
C/GHE	<ul style="list-style-type: none"> Curb, Gutter, and Curb and Gutter, Any Type, Rem Cement Driveway Opening, Conc, Det M, Modified
CP	<ul style="list-style-type: none"> _Grading, Sidewalk Sidewalk, Conc, 4 inch, Modified
CR	<ul style="list-style-type: none"> Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem
DS	<ul style="list-style-type: none"> Dr Structure, Rem Sewer, Rem, Less than 24 inch Dr Structure, 24 inch dia
DSDI	<ul style="list-style-type: none"> Dr Structure, Rem Sewer, Rem, Less than 24 inch _Dr Structure, Double Inlet
PT	<ul style="list-style-type: none"> _Dr Structure, Point
RRA	<ul style="list-style-type: none"> Dr Structure Cover, Type B _Dr Structure Cover, Type B, Special _Dr Structure, Adj, Case 1, Modified _Dr Structure, Temp Lowering, Modified
RRK	<ul style="list-style-type: none"> Dr Structure Cover, Type K _Dr Structure, Adj, Case 1, Modified
RS	<ul style="list-style-type: none"> _Dr Structure, Reconstruct
TYPE II	<ul style="list-style-type: none"> Plastic Drum, High Intensity, Lighted, Fum Plastic Drum, High Intensity, Lighted, Oper
TYPE III	<ul style="list-style-type: none"> Baricade, Type III, High Intensity, Double Sided, Lighted, Fum Baricade, Type III, High Intensity, Double Sided, Lighted, Oper

NOTES:

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REV	DESCRIPTION	DATE	AI-GS-CE	DAD	CHECKED
00	BID SET	03-13-2019	AI-GS-CE	DAD	CHECKED

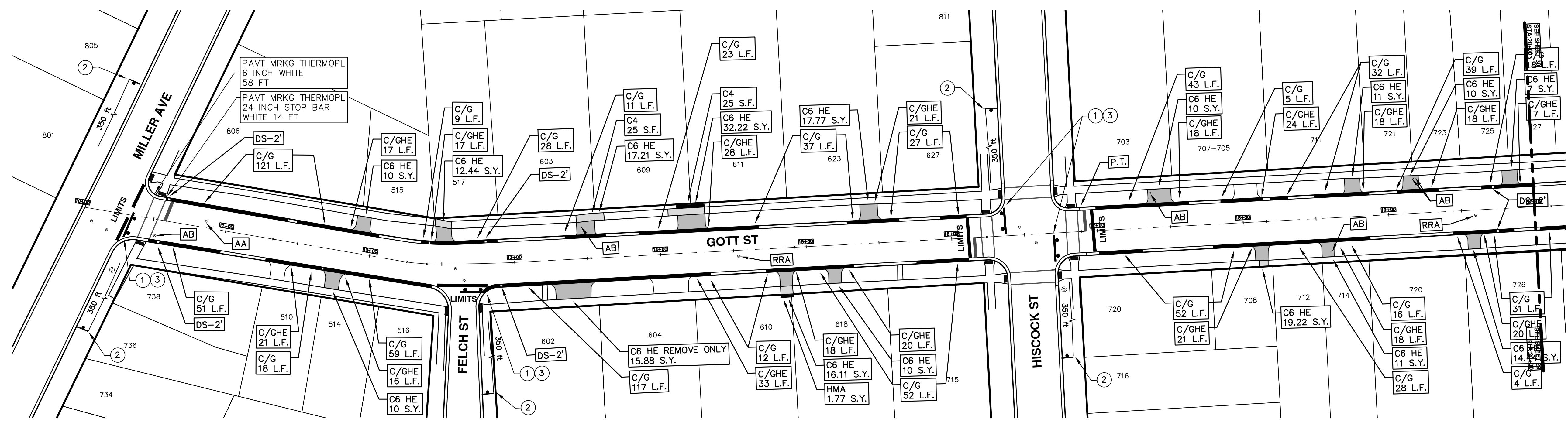
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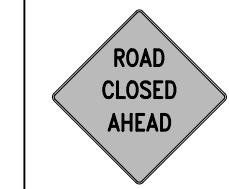
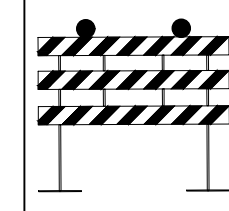


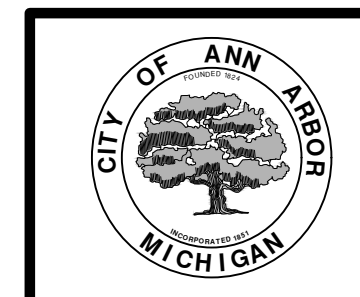
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STREET RESURFACING/RESTORATION
PROJECT - 2019
GOTT STREET
SUBSET COVER SHEET

SCALE PLAN: ###
DRAWING No. 2019004-28
SHEET No. 28 OF 121

T:\2019004\Plan Production\2019004 - Gott Street.dwg Dwg Created: 28-Dec-18 - _a2 standard bw.stb - Plot Date: 13-Mar-19



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		R11-4 60x30	4
②		W20-3 36x36	5
③		D3-1	4




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STREET RESURFACING/RESTORATION
 PROJECT - 2019
 GOTT STREET
 STA. 10+00 - STA. 20+00

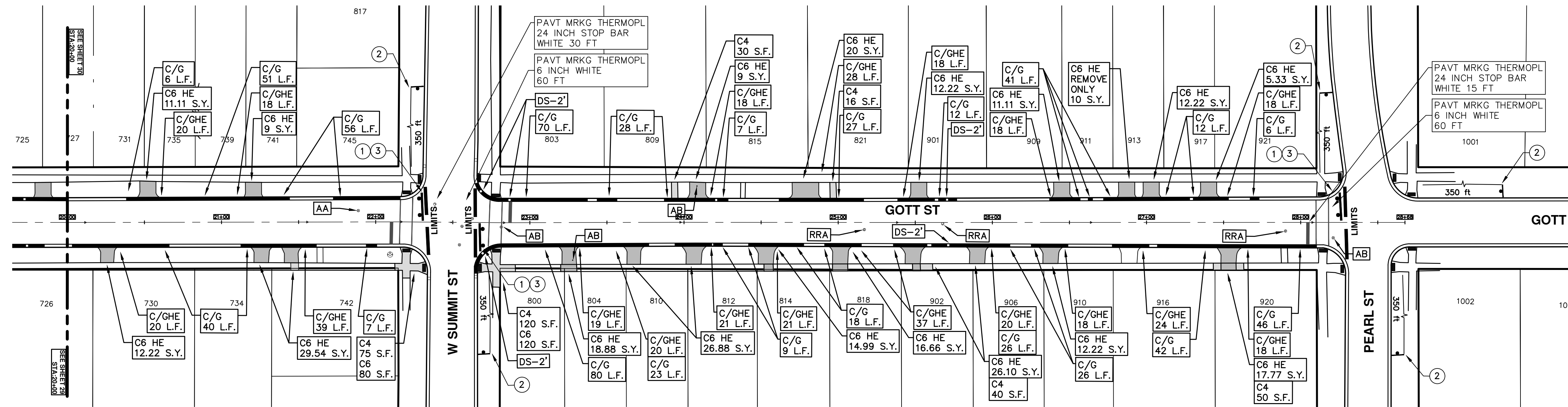
811
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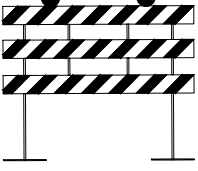
NO.	DATE	DESCRIPTION	REV.
00	BID SET		
01	03-13-2019	DATE	
	AI, GS, CE	DRAWN	CHECKED
	DAD		


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SHEET No. **29 OF 121**



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
1		R11-4 60x30	3
2	 	W20-3 36x36 D3-1	5
3		BARRICADE TYPE III HIGH INTENSITY LIGHTED	3

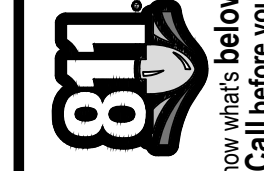


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STREET RESURFACING/RESTORATION PROJECT - 2019
 GOTT STREET
 STA. 20+00 - STA. 28+68

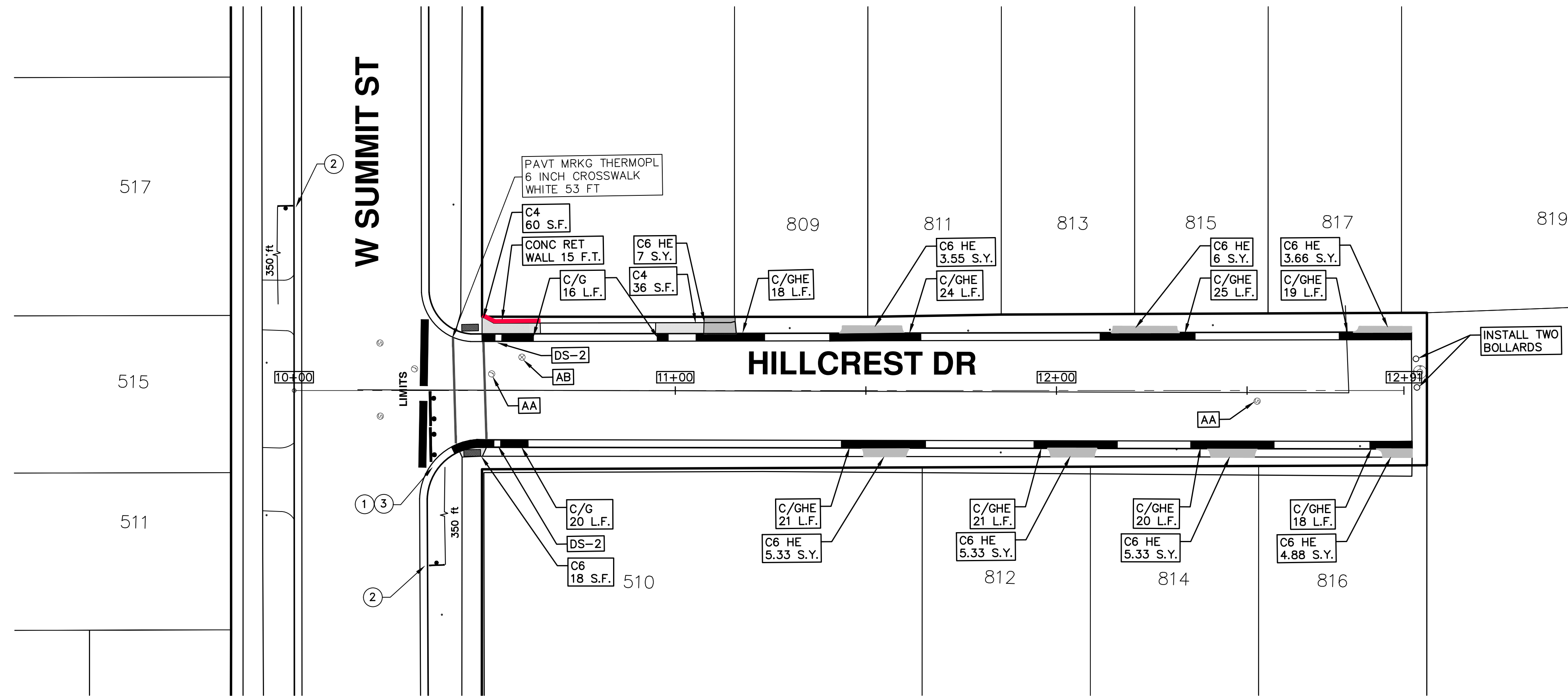
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30	BID SET	DATE	DESCRIPTION	REV.
03-13-2019	AI,GS,CE			
	DRAWN			
	DAD			
	CHECKED			

SHEET No. **30 OF 121**



T:\2019004\Plan Production\2019004 - Hillcrest Drive.dwg Dwg Created: 2-Jan-19 - _o2_standard bw.stb - Plot Date: 13-Mar-19



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		R11-4 60x30	1
②		W20-3 36x36	2
		D3-1	
③		BARRICADE TYPE III HIGH INTENSITY LIGHTED	2



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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

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STREET RESURFACING/RESTORATION
PROJECT - 2019
 HILLCREST DRIVE
 STA. 10+00 - STA. 12+91

SCALE PLAN: 1" = 20'
 DRAWING No. 2019004-32



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: HISCOCK STREET

ITB No. 4570 FILE No. 2019004

CONSTRUCTION KEY	
KEY	ASSOCIATED PAY ITEM(S)
AA	• _Dr Structure, Adj, Case 1, Modified • _Dr Structure, Adj, Case 2, Modified • _Dr Structure, Temp Lowering, Modified
AB	• _Dr Structure, Temp Lowering, Modified • _Gate Box, Adj, Case 1 • _Gate Box, Adj, Case 2 • _Monument Box Adjust
ADST	• _Dr Structure, Adj, Add Depth, Modified
AK	• _Dr Structure, Adj, Case 1, Modified
C4	• _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem • _Grading, Sidewalk • _Sidewalk, Conc, 4 inch, Modified
C4HE	• _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem • _Grading, Sidewalk • Cement • _Sidewalk, Conc, 4 inch, Modified
C6	• _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem • _Grading, Sidewalk • _Grading, Sidewalk Ramp • _Detectable Warning Surface, Modified • _Sidewalk Ramp, Conc, 6 inch, Modified • _Sidewalk, Conc, 6 inch, Modified
C8	• _Grading, Driveway Approach • _Driveway, Nonreinf Conc, 8 inch, Modified
C HE	• _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem • _Grading, Driveway Approach • _Grading, Sidewalk • _Grading, Sidewalk Ramp • Cement • _Driveway, Nonreinf Conc, 6 inch, Modified • _Driveway, Nonreinf Conc, 8 inch, Modified • _Detectable Warning Surface, Modified • _Sidewalk Ramp, Conc, 6 inch, Modified • _Sidewalk, Conc, 6 inch, Modified
C/G	• _Curb, Gutter, and Curb and Gutter, Any Type, Rem • _Curb and Gutter, Conc
C/GHE	• _Curb, Gutter, and Curb and Gutter, Any Type, Rem • Cement • _Driveway Opening, Conc, Det M, Modified
CP	• _Grading, Sidewalk • _Sidewalk, Conc, 4 inch, Modified
CR	• _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem
DS	• Dr Structure, Rem • Sewer, Rem, Less than 24 inch • Dr Structure, 24 inch dia
DSDI	• Dr Structure, Rem • Sewer, Rem, Less than 24 inch • _Dr Structure, Double Inlet
PT	• _Dr Structure, Point
RRA	• Dr Structure Cover, Type B • _Dr Structure Cover, Type B, Special • _Dr Structure, Adj, Case 1, Modified • _Dr Structure, Temp Lowering, Modified
RRK	• Dr Structure Cover, Type K • _Dr Structure, Adj, Case 1, Modified
RS	• _Dr Structure, Reconstruct
TYPE II	• Plastic Drum, High Intensity, Lighted, Fum • Plastic Drum, High Intensity, Lighted, Oper
TYPE III	• Barmcade, Type III, High Intensity, Double Sided, Lighted, Fum • Barmcade, Type III, High Intensity, Double Sided, Lighted, Oper

NOTES:

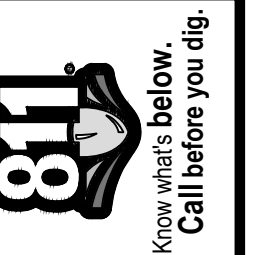
FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY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

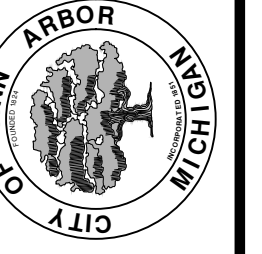


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REV	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

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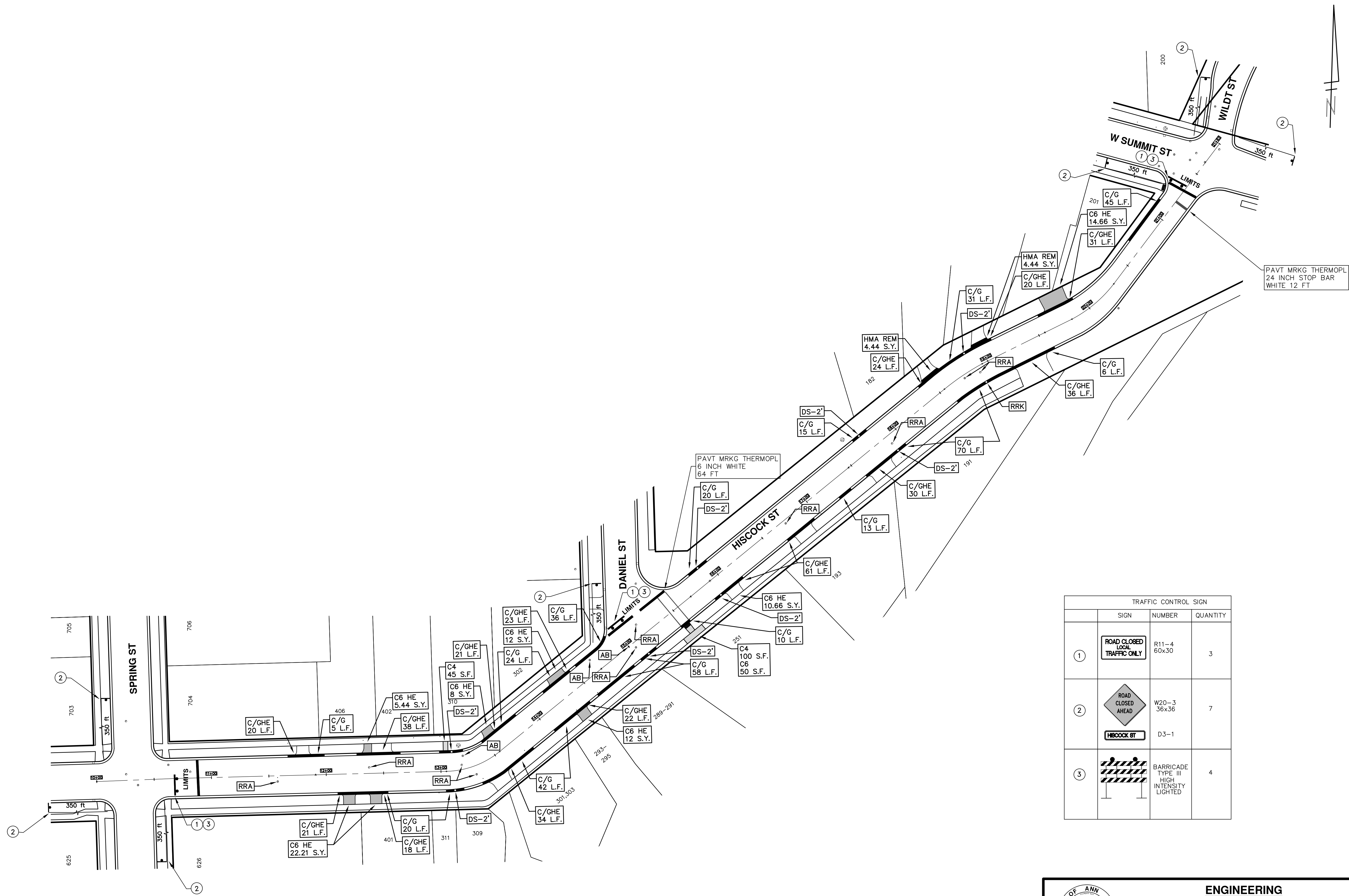


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STREET RESURFACING/RESTORATION
PROJECT - 2019
HISCOCK STREET
SUBSET COVER SHEET

SCALE
DRAWING No.
2019004-33

SHEET No.
33 OF 121

T:\2019004\Plan Production\2019004 - Hiscock Street.dwg Dwg Created: 2-Jan-19 - _a2 standard bw.stb - Plot Date: 13-Mar-19



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		R11-4 60x30	3
②	 	W20-3 36x36 D3-1	7
③		BARRICADE TYPE III HIGH INTENSITY LIGHTED	4



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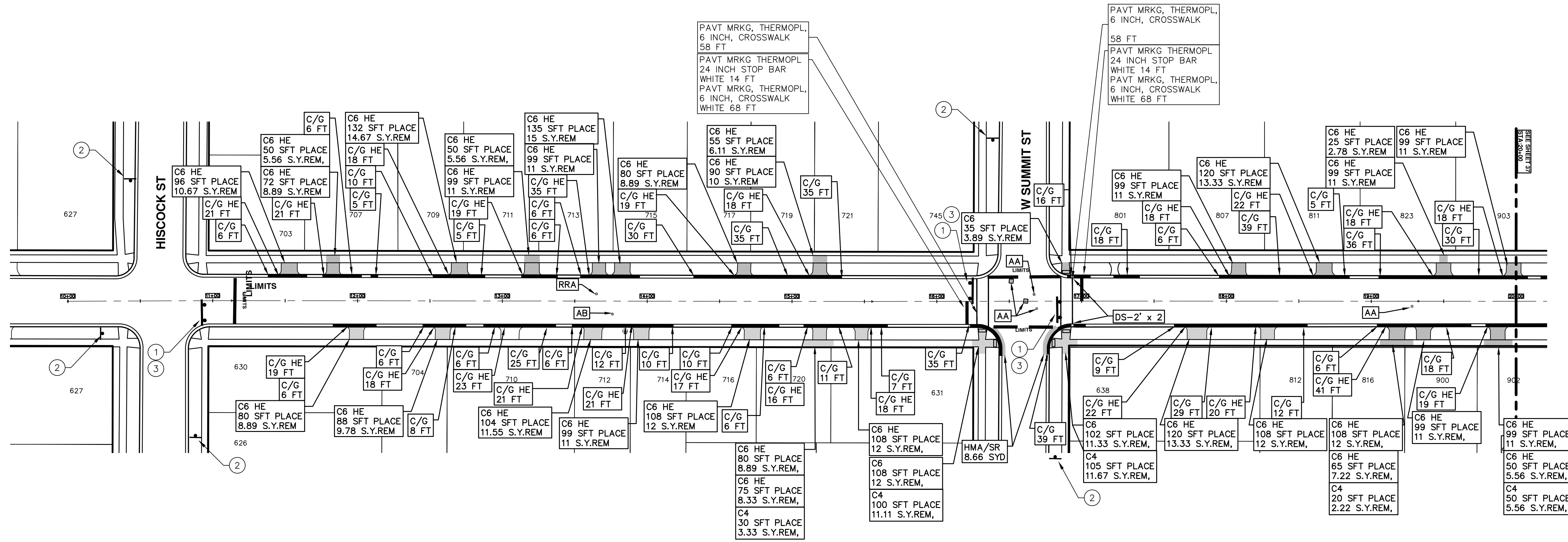
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STREET RESURFACING/RESTORATION
PROJECT - 2019
 HISCOCK STREET
 STA. 10+00 - STA. 21+83

SCALE PLAN: #####
 DRAWING No. 2019004-34
 SHEET No.

T:\2019004\Plan Production\2019004 - Miner Street.dwg Dwg Created: 2-Jan-19 - a2 standard bw.stb - Plot Date: 13-Mar-19



CONSTRUCTION NOTES:
PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET.

TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
① ROAD CLOSED LOCAL TRAFFIC ONLY W/ TYPE III BARRICADE	R11-4 60x30	0	
② ROAD CLOSED AHEAD GEDDES AVE	W20-3 36x36 D3-1	0	
③ BARRICADE TYPE III HIGH INTENSITY LIGHTED		0	



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STREET RESURFACING/RESTORATION
PROJECT - 2019
MINER STREET
STA. 10+00 - STA. 20+00

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00	03-13-2019		AH.GS.CE	DAD
01		BID SET		

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SCALE PLAN: 1"=40'
DRAWING No. 2019004-36
SHEET No. 36 OF 121

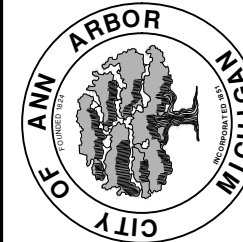
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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

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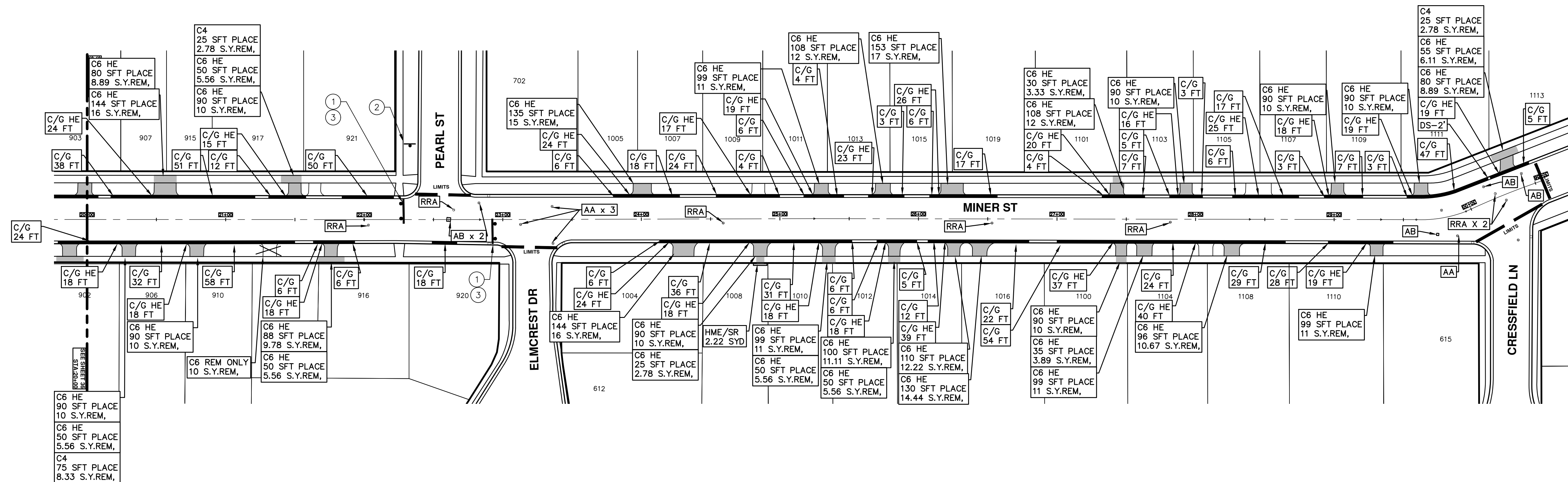


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STREET RESURFACING/RESTORATION
PROJECT - 2019
MINER STREET
STA. 20+00 - STA. 30+56

SCALE PLAN: 1"=40'
DRAWING No. 2019004-37

SHEET No.

37 OF 121



CONSTRUCTION NOTES:
PLACE APPLICABLE D3-1 SIGN IN ADVANCE OF WORK PERFORMED ON EACH STREET.

TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
① ROAD CLOSED LOCAL TRAFFIC ONLY W/ TYPE III BARRICADE	R11-4 60x30	0	
② ROAD CLOSED AHEAD GEDDES AVE	W20-3 36x36 D3-1	0	
③ BARRICADE TYPE III HIGH INTENSITY LIGHTED		0	



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CITY OF ANN ARBOR ENGINEERING PROJECT LOCATION: PEARL STREET

ITB No. 4570 FILE No. 2019004

CONSTRUCTION KEY	
KEY	ASSOCIATED PAY ITEM(S)
AA	<ul style="list-style-type: none"> _Dr Structure, Adj, Case 1, Modified _Dr Structure, Adj, Case 2, Modified _Dr Structure, Temp Lowering, Modified
AB	<ul style="list-style-type: none"> _Dr Structure, Temp Lowering, Modified _Gate Box, Adj, Case 1 _Gate Box, Adj, Case 2 Monument Box Adjust
ADST	<ul style="list-style-type: none"> _Dr Structure, Adj, Add Depth, Modified
AK	<ul style="list-style-type: none"> _Dr Structure, Adj, Case 1, Modified
C4	<ul style="list-style-type: none"> Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem Grading, Sidewalk Sidewalk, Conc, 4 inch, Modified
C4HE	<ul style="list-style-type: none"> Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem Grading, Sidewalk Cement Sidewalk, Conc, 4 inch, Modified
C6	<ul style="list-style-type: none"> Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem Grading, Sidewalk Grading, Sidewalk Ramp Detectable Warning Surface, Modified Sidewalk Ramp, Conc, 6 inch, Modified Sidewalk, Conc, 6 inch, Modified
C8	<ul style="list-style-type: none"> Grading, Driveway Approach Driveway, Nonreinf Conc, 8 inch, Modified
C HE	<ul style="list-style-type: none"> Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem Grading, Driveway Approach Grading, Sidewalk Grading, Sidewalk Ramp Cement Driveway, Nonreinf Conc, 6 inch, Modified Driveway, Nonreinf Conc, 8 inch, Modified Detectable Warning Surface, Modified Sidewalk Ramp, Conc, 6 inch, Modified Sidewalk, Conc, 6 inch, Modified
C/G	<ul style="list-style-type: none"> Curb, Gutter, and Curb and Gutter, Any Type, Rem Curb and Gutter, Conc
C/GHE	<ul style="list-style-type: none"> Curb, Gutter, and Curb and Gutter, Any Type, Rem Cement Driveway Opening, Conc, Det M, Modified
CP	<ul style="list-style-type: none"> Grading, Sidewalk Sidewalk, Conc, 4 inch, Modified
CR	<ul style="list-style-type: none"> Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem
DS	<ul style="list-style-type: none"> Dr Structure, Rem Sewer, Rem, Less than 24 inch Dr Structure, 24 inch dia
DSDI	<ul style="list-style-type: none"> Dr Structure, Rem Sewer, Rem, Less than 24 inch _Dr Structure, Double Inlet
PT	<ul style="list-style-type: none"> _Dr Structure, Point
RRA	<ul style="list-style-type: none"> Dr Structure Cover, Type B _Dr Structure Cover, Type B, Special _Dr Structure, Adj, Case 1, Modified _Dr Structure, Temp Lowering, Modified
RRK	<ul style="list-style-type: none"> Dr Structure Cover, Type K _Dr Structure, Adj, Case 1, Modified
RS	<ul style="list-style-type: none"> _Dr Structure, Reconstruct
TYPE II	<ul style="list-style-type: none"> Plastic Drum, High Intensity, Lighted, Fum Plastic Drum, High Intensity, Lighted, Oper
TYPE III	<ul style="list-style-type: none"> Barricade, Type III, High Intensity, Double Sided, Lighted, Fum Barricade, Type III, High Intensity, Double Sided, Lighted, Oper

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

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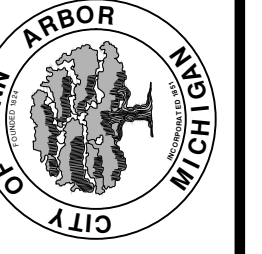
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T:\2019004\Plan Production\2019004 - Pearl Street.dwg Dwg Created: 2-Jan-19 - _g2 standard bw.stb - Plot Date: 13-Mar-19



REV	DESCRIPTION	DATE	AI.GS.CE	DAD	CHECKED
00	BID SET	03-13-2019			

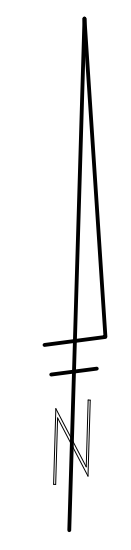
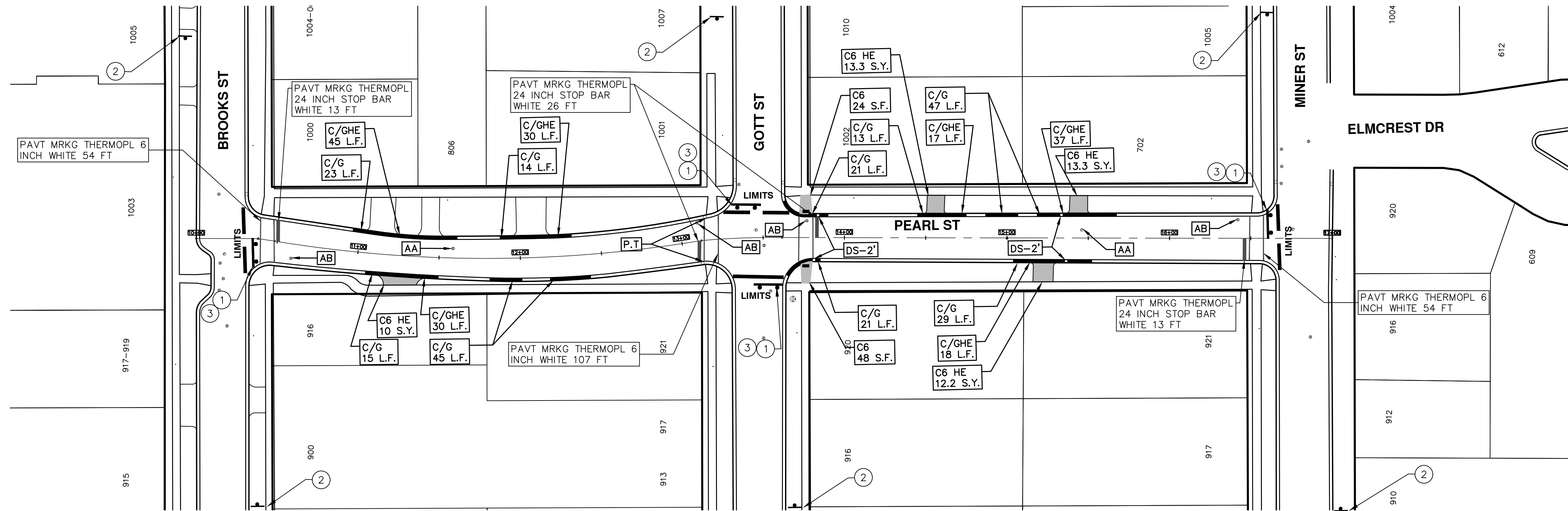
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STREET RESURFACING/RESTORATION
PROJECT - 2019
PEARL STREET
SUBSET COVER SHEET

SCALE PLAN: ###
DRAWING No. 2019004-38

T:\2019004\Plan Production\2019004 - Pearl Street.dwg Dwg Created: 2-Jan-19 - _g2 standard bw.stb - Plot Date: 13-Mar-19



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		R11-4 60x30	4
②		W20-3 36x36	6
		D3-1	
③		BARRICADE TYPE III HIGH INTENSITY LIGHTED	4



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PROJECT - 2019
 PEARL STREET
 STA. 10+00 - STA. 17+00

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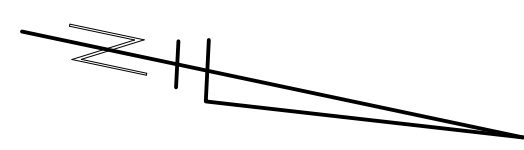
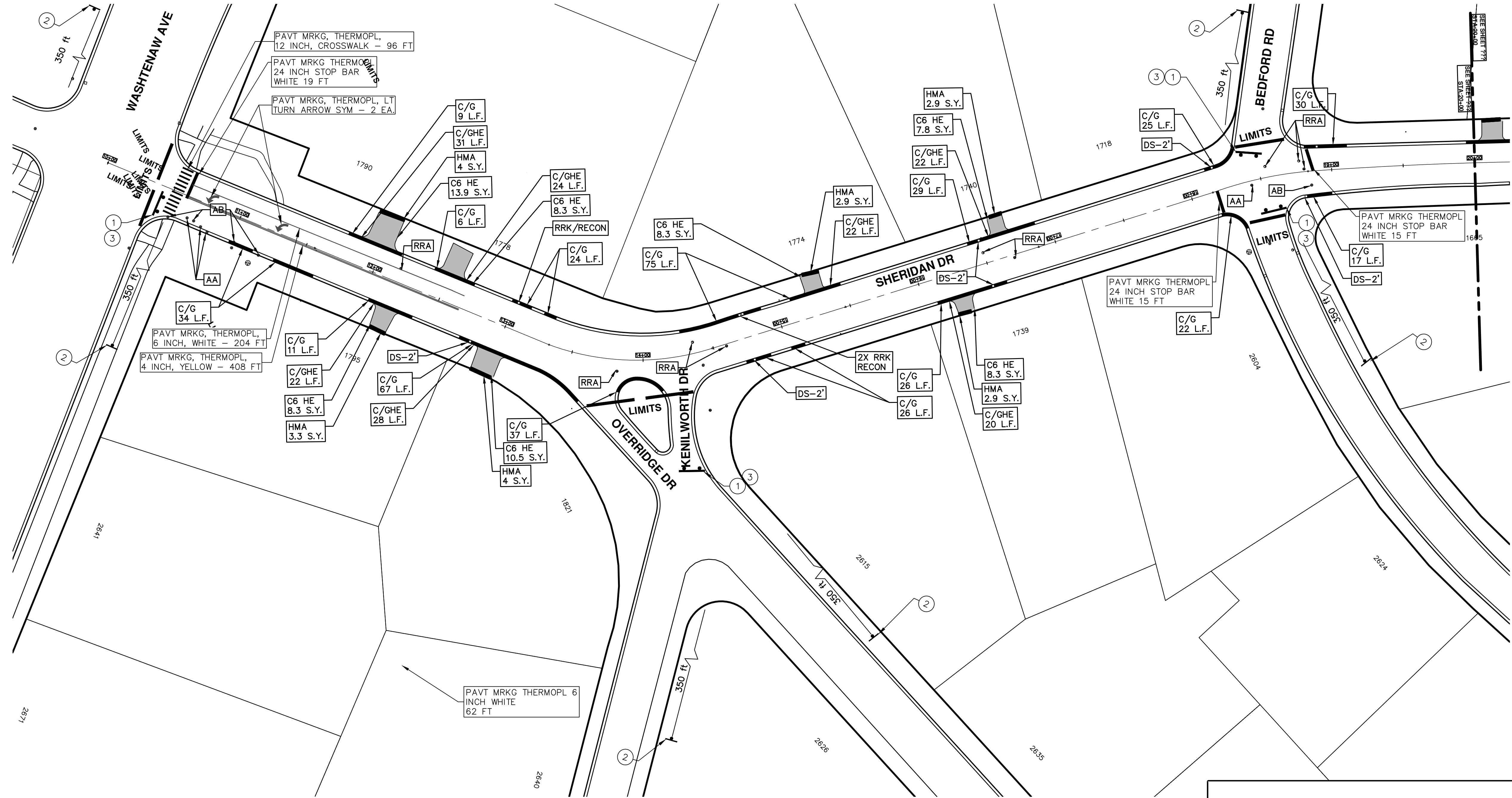
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00	BID SET	03-13-2019	AH.GS.CE	DAD

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SCALE PLAN: 1"=40'
 DRAWING No.
2019004-39

SHEET No. **39 OF 121**

TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
①	ROAD CLOSED LOCAL TRAFFIC ONLY R11-4 60x30	4	
②	ROAD CLOSED AHEAD W20-3 36x36 SHERIDAN DR	6	
③	BARRICADE TYPE III HIGH INTENSITY LIGHTED	4	

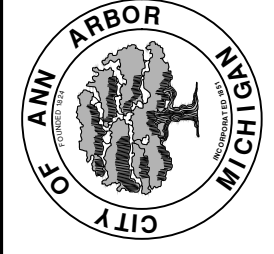


T:\2019004\Plan Production\2019004 - Sheridan Drive.dwg Dwg Created: 2-Jan-19 - _g2 standard bw.stb - Plot Date: 13-Mar-19



REV	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD




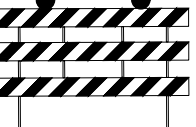
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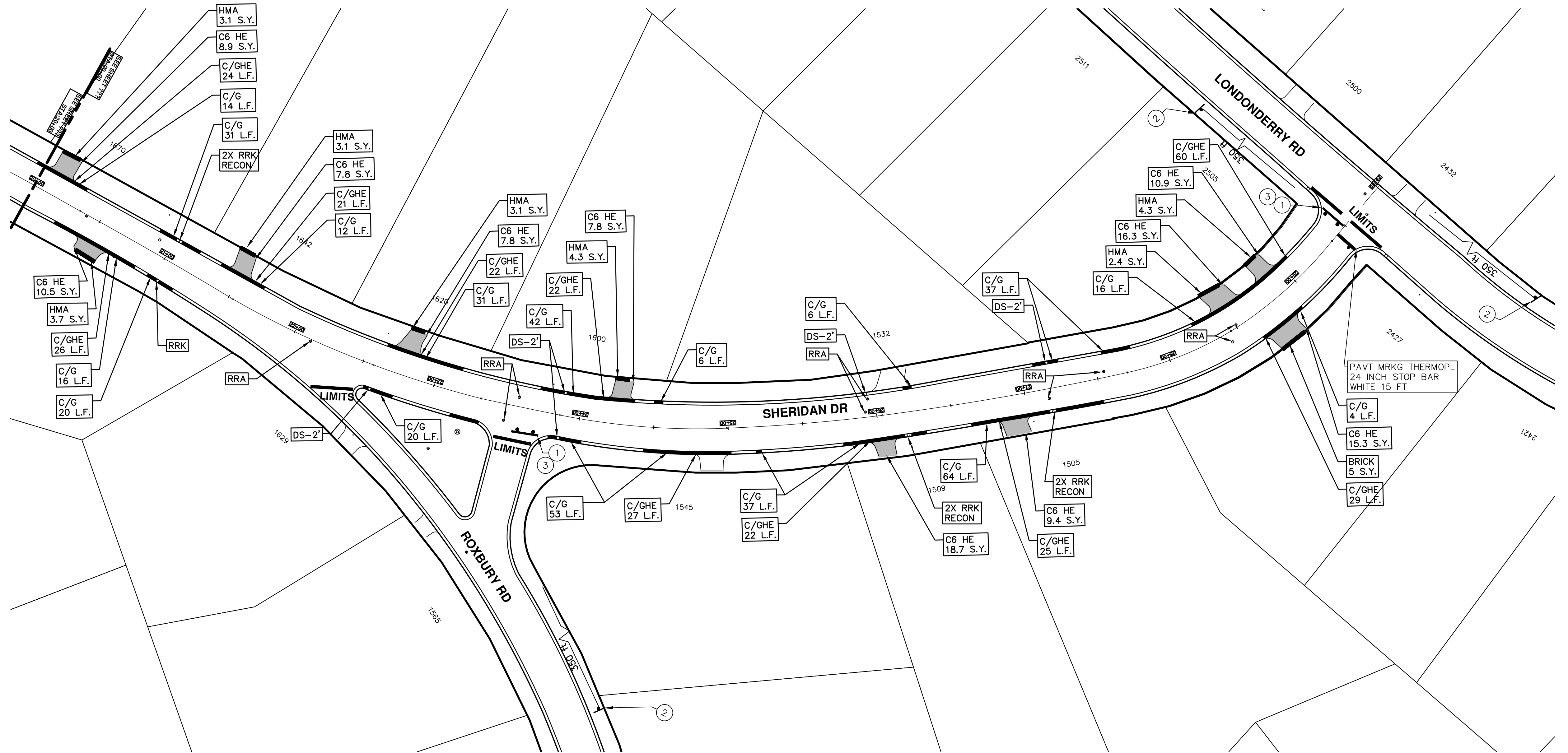


ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION
PROJECT - 2019
SHERIDAN DRIVE
STA. 10+00 - STA. 20+00


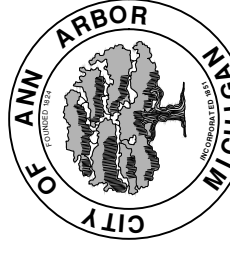
SCALE PLAN: 1"=40'
DRAWING No. 2019004-41

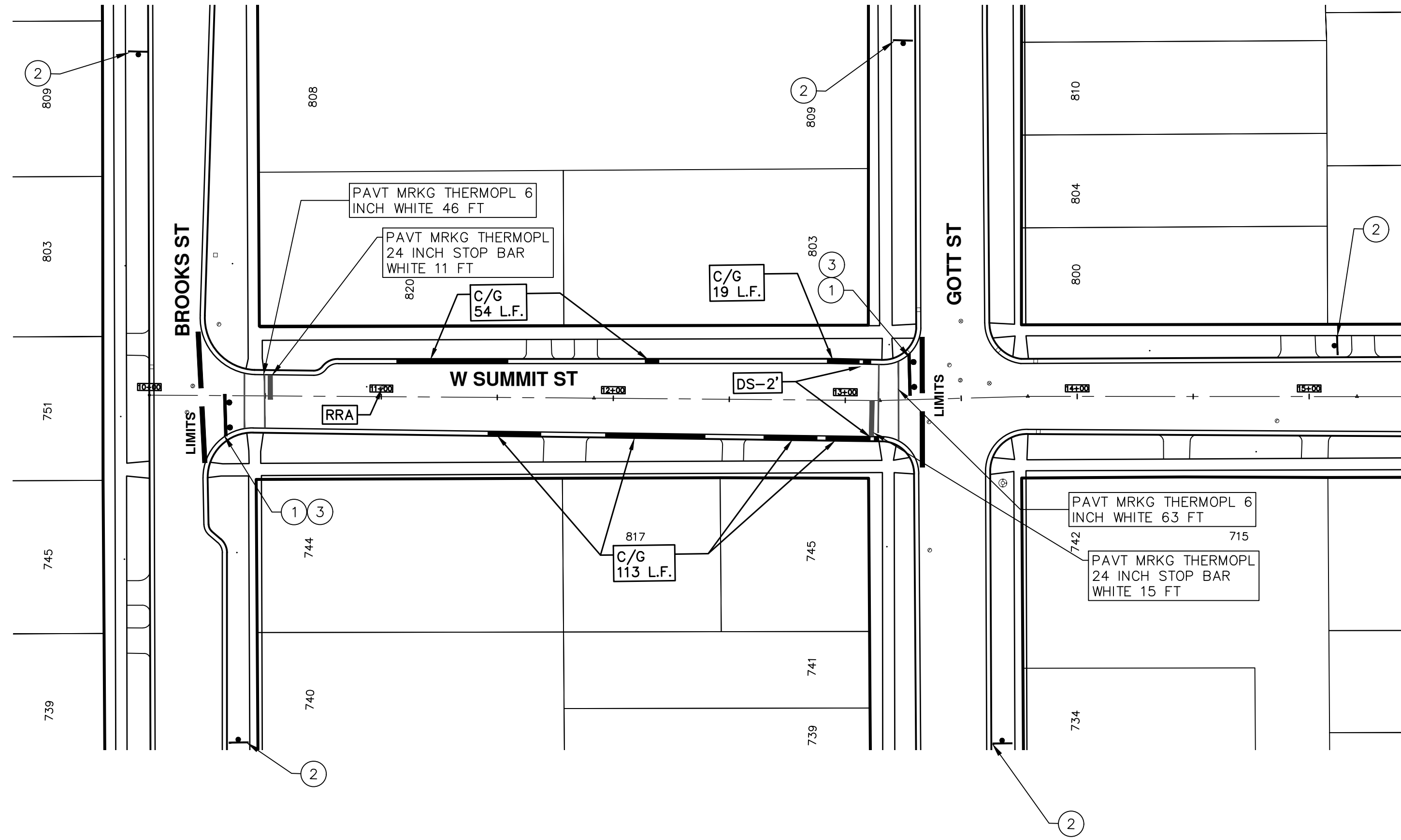
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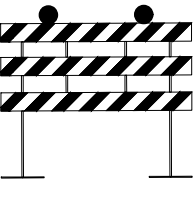
TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		R11-4 60x30	2
②	 	W20-3 36x36 D3-1	3
③		BARRICADE TYPE III HIGH INTENSITY LIGHTED	2

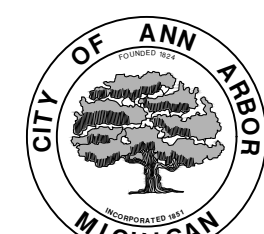


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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR STREET RESURFACING/RESTORATION PROJECT - 2019 SHERIDAN DRIVE STA. 20+00 - STA. 29+85	
SCALE PLAN: 1"=40'	DRAWING No. 2019004-42
SHEET No.	42 OF 121



TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		R11-4 60x30	2
②	 	W20-3 36x36 D3-1	5
③		BARRICADE TYPE III HIGH INTENSITY LIGHTED	2



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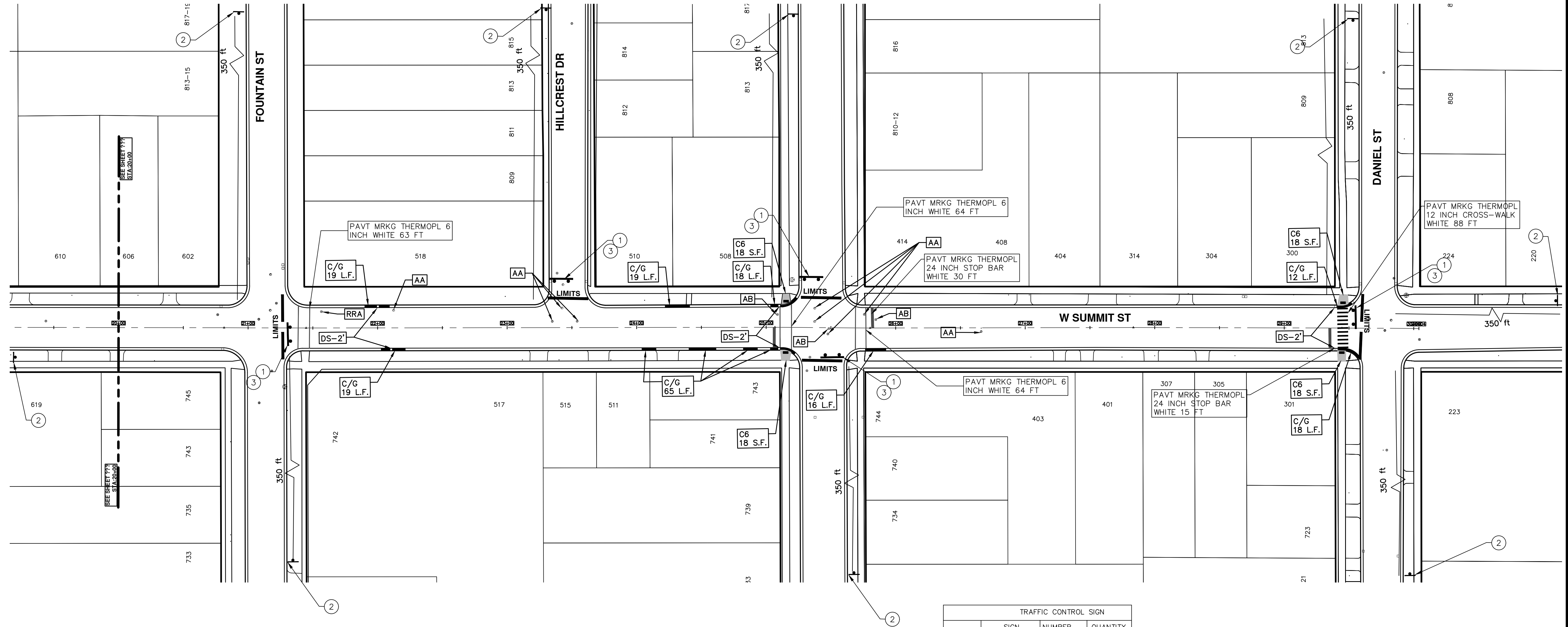
ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION
PROJECT - 2019
 W SUMMIT STREET
 STA. 10+00 - STA. 14+00

SCALE PLAN: 1"=40'
 DRAWING No. 2019004-44
 SHEET No. 44 OF 121

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TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		R11-4 60x30	5
②		W20-3 36x36	9
		D3-1	
③		BARRICADE TYPE III HIGH INTENSITY LIGHTED	5



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SCALE PLAN: 1"=40'
 DRAWING No. 2019004-45
 SHEET No. 45 OF 121

TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
	BARRICADE TYPE III HIGH INTENSITY LIGHTED	4	
	D3-1 M4-8a 24x18	1	
	D3-1 M4-9S 30x24	6	
	D3-1 M4-9R 30x24	2	
	D3-1 M4-9L (MOD.) 30x24	1	
	D3-1 M4-9R (MOD.) 30x24	0	
	D3-1 M4-9L (MOD.) 30x24	1	
	M4-10R 48x18	1	
	M4-10L 48x18	1	
	36"x12" R6-1R	0	
	36"x12" R6-1L	0	
	R3-2 24"x24"	1	
	R3-1 24"x24"	0	
	R11-2 48x30	2	
	R11-4 60x30	0	
	G20-2 48"x24"	6	
	W20-1 36x36	6	
	D3-1 W20-2 36x36	6	
	D3-1 W20-3 36x36	6	
	D3-1 W20-1 36x36	6	
	W20-5R 36"x36"	0	
	W4-2R 36"x36"	0	

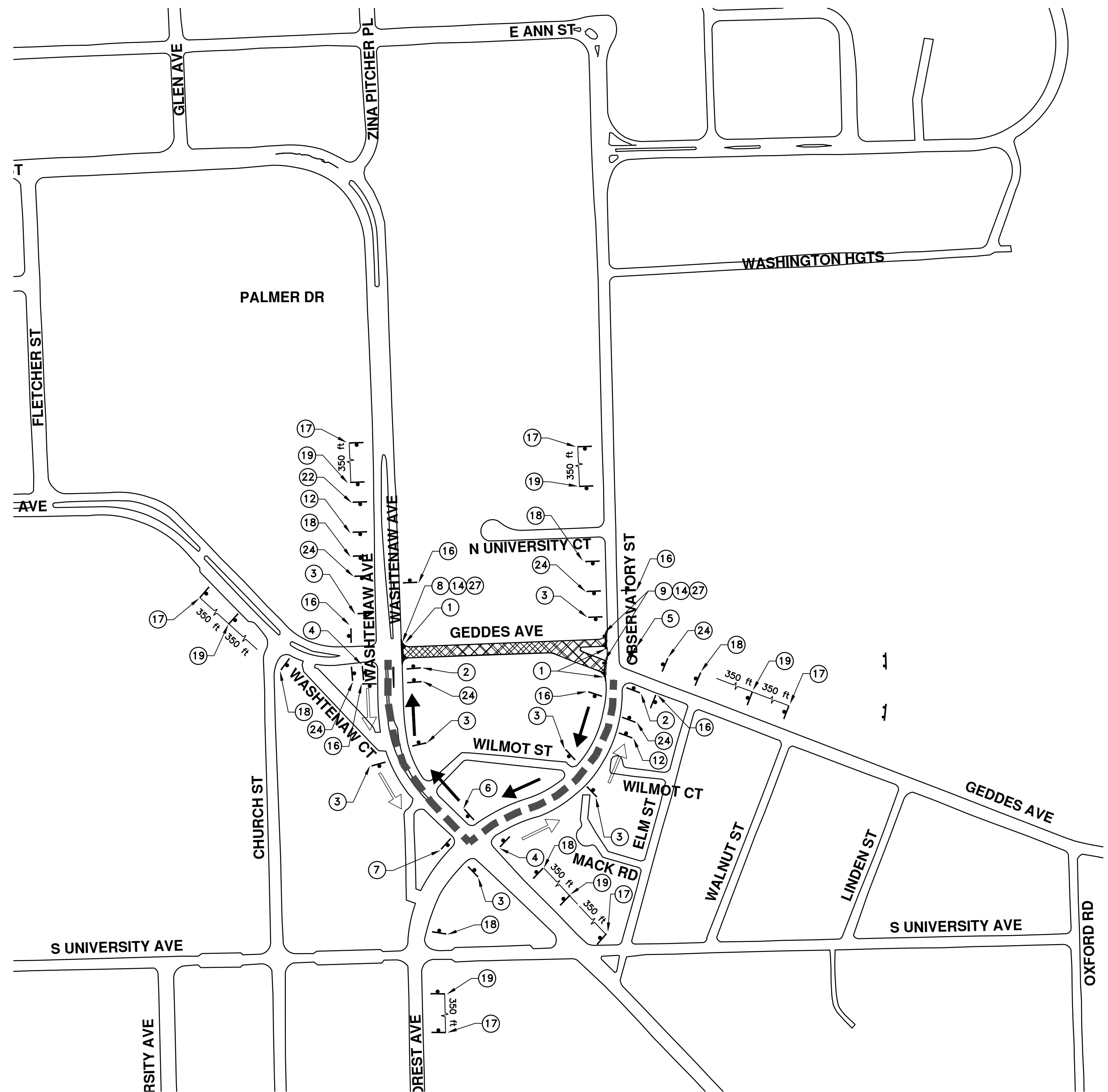
DETOUR CONSTRUCTION NOTES:

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

TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
	W20-5L 36"x36"	1	
	W4-2L 36"x36"	0	
	R5-18C 48"x48"	6	
	SPECIAL 48x66	3	
	SPECIAL 48x66	3	
	R5-1 36x36	3	
SIGN, PORTABLE, CHANGEABLE MESSAGE		VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING	

LEGEND:

- EAST BOUND GEDDES AVE DETOUR ROUTE
- WEST BOUND GEDDES AVE DETOUR ROUTE
- GEDDES AVE WORK ZONE



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STREET RESURFACING/RESTORATION
PROJECT - 2019
 GEDDES AVENUE
 DETOUR PLAN

SCALE: _____
 DRAWING No. 2019004-47
 SHEET No. 47 OF 121

REV.	DATE	DESCRIPTION
00	03-13-2019	BID SET
		DRAWN
		CHECKED

TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		BARRICADE TYPE III HIGH INTENSITY LIGHTED	4
②		D3-1 M4-8a 24x18	0
③		D3-1 M4-9S 30x24	0
④		D3-1 M4-9R 30x24	0
⑤		D3-1 M4-9L (MOD.) 30x24	0
⑥		D3-1 M4-9R (MOD.) 30x24	0
⑦		D3-1 M4-9L (MOD.) 30x24	0
⑧		M4-10R 48x18	0
⑨		M4-10L 48x18	0
⑩		36"x12" R6-1R	0
⑪		36"x12" R6-1L	0
⑫		R3-2 24"x24"	0
⑬		R3-1 24"x24"	0
⑭		R11-2 48x30	0
⑮		R11-4 60x30	0
⑯		G20-2 48"x24"	0
⑰		W20-1 36x36	0
⑱		W20-2 36x36	0
		D3-1	0
⑲		W20-3 36x36	0
		D3-1	0
⑳		W20-5R 36"x36"	0
㉑		W4-2R 36"x36"	0

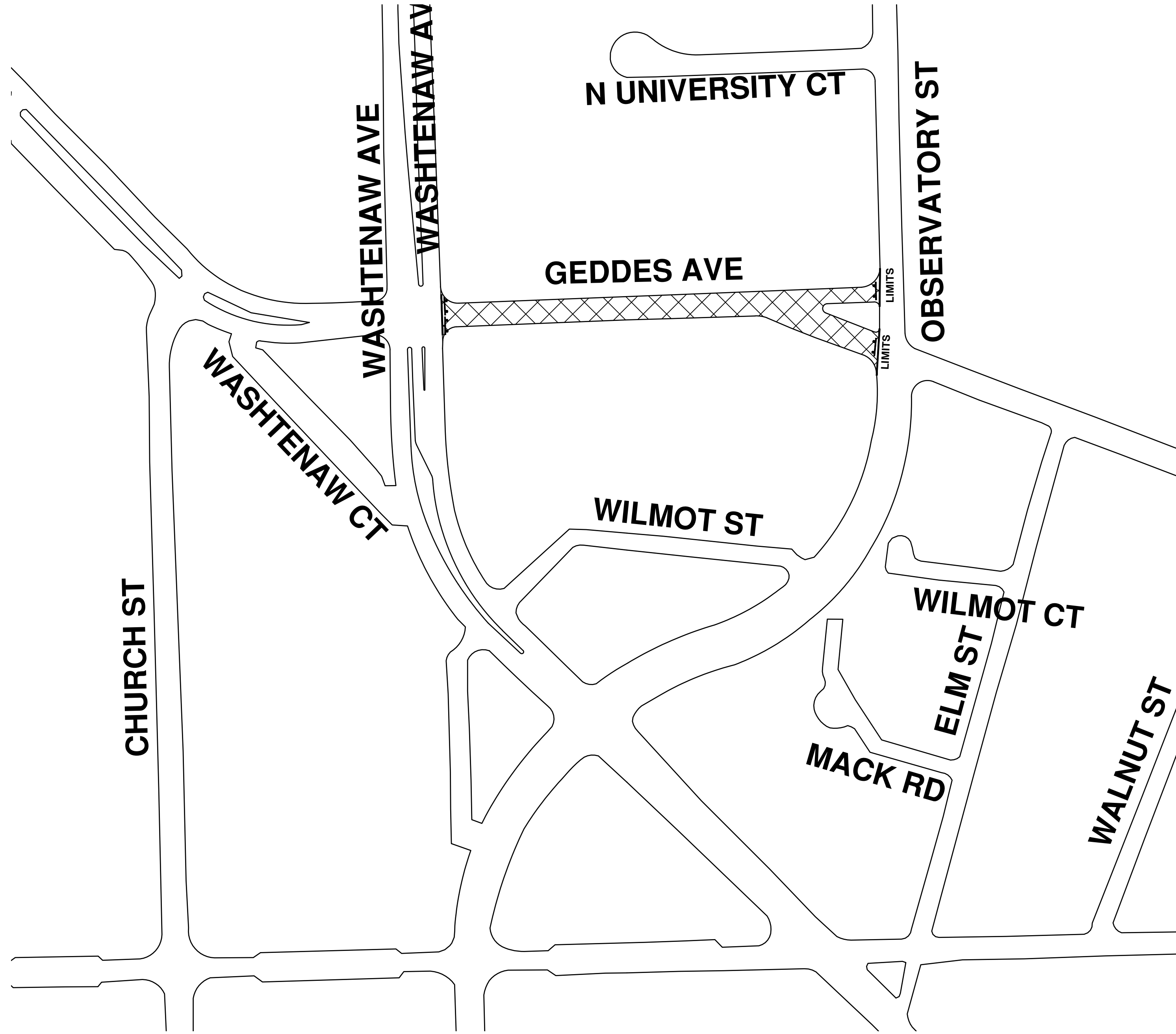
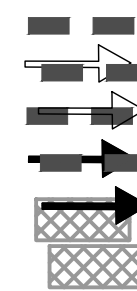
DETOUR CONSTRUCTION NOTES:

1. DEPENDING ON THE DETOUR ROUTES THAT ARE PUT IN PLACE, CONFLICTING SIGNS MAY BE PRESENT. PRIOR TO THE ORDERING OR PLACEMENT OF ANY SIGNS, MEET WITH THE ENGINEER TO VERIFY THE EXACT NUMBER AND LOCATION OF THE SIGNS TO BE PLACED. THE ENGINEER AND THE CONTRACTOR SHALL WORK TOGETHER TO ELIMINATE ALL CONFLICTS.
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TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
⑳		W20-5L 36"x36"	0
㉑		W4-2L 36"x36"	0
㉒		R5-18C 48"x48"	0
㉓		SPECIAL 48x66	5
㉔		SPECIAL 48x66	0
㉕		R5-1 36x36	0
	SIGN, PORTABLE, CHANGEABLE MESSAGE	VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING	

LEGEND:

- EAST BOUND GEDDES AVE
- WEST BOUND GEDDES AVE
- DETOUR ROUTE
- WORK ZONE

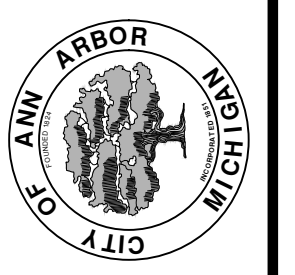


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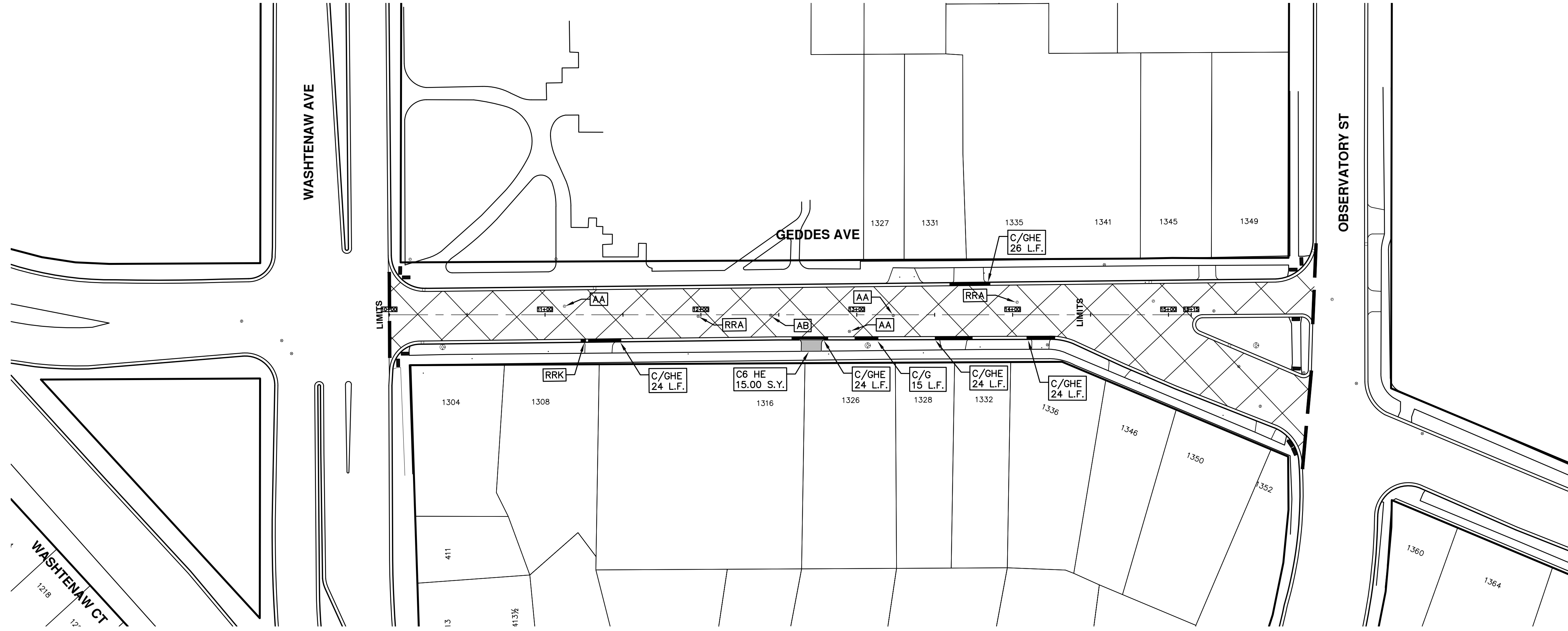
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 STREET RESURFACING/RESTORATION
 PROJECT - 2019
 GEDDES AVENUE
 TRAFFIC CONTROL

SCALE
 DRAWING No.
 2019004-48



WASHTENAW CT
1218
1217

ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
SCALE PLAN: 1"=40'
DRAWING No.
2019004-49

STREET RESURFACING/RESTORATION
PROJECT - 2019
GEDDES AVENUE
STA. 10+00 - STA. 15+15

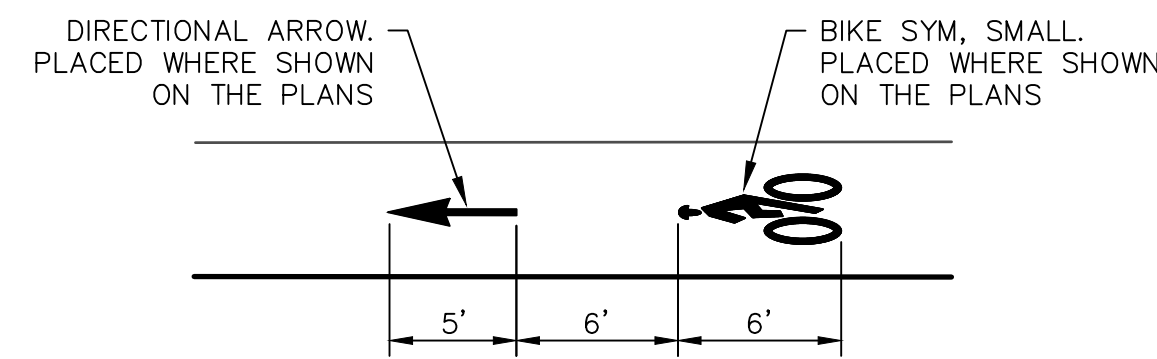
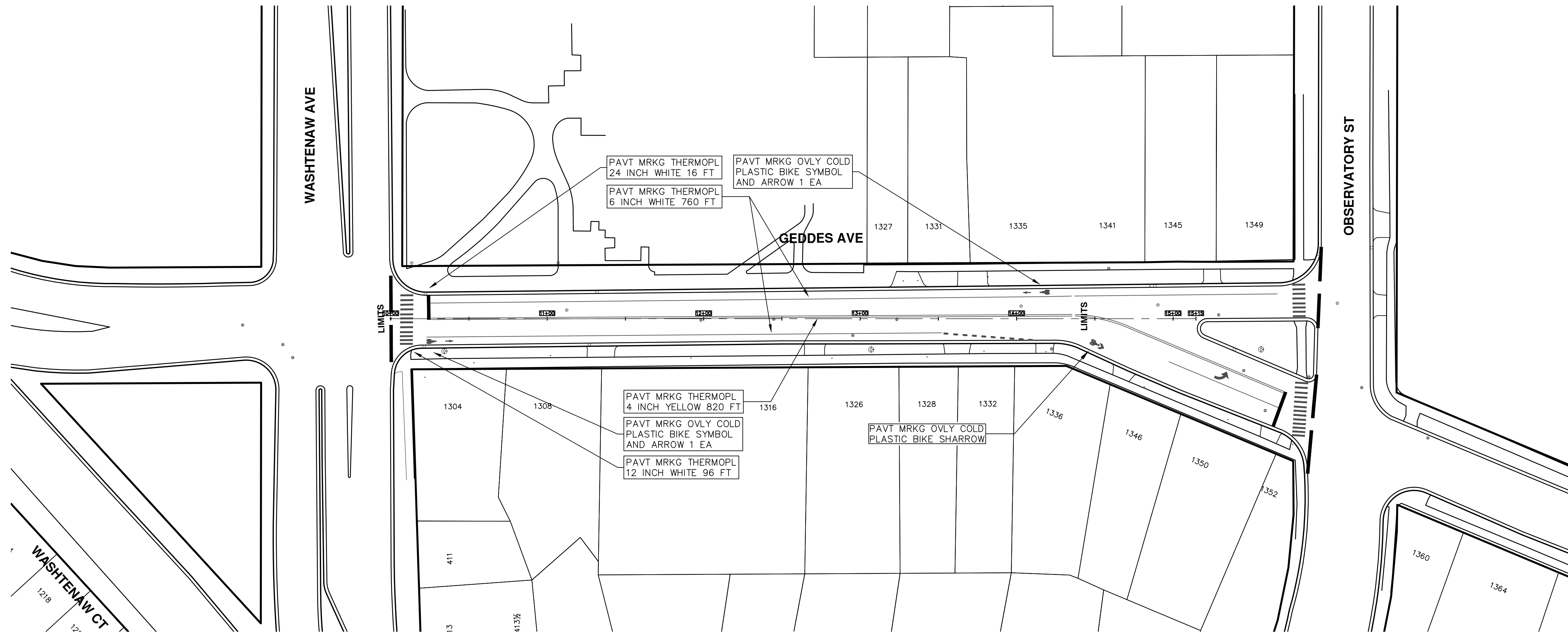


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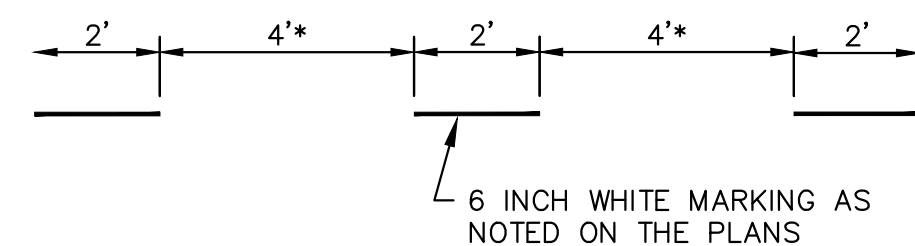
REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD



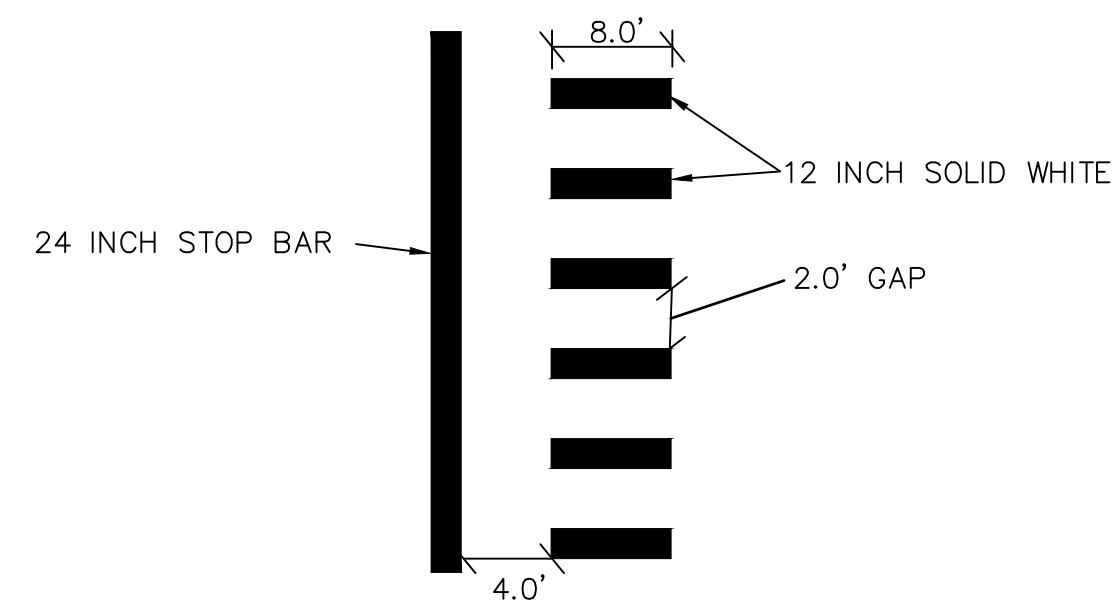
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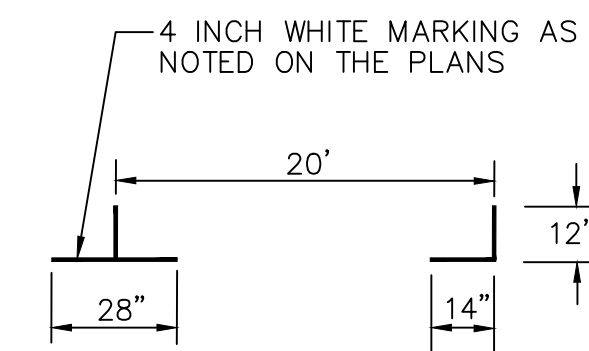
**BIKE SYMBOL
DETAIL**



DOTTED LINE DETAIL
* NOTE FOR BROKEN LINE, USE 6' GAPS.



STOP BAR AND CROSSWALK DETAIL



PARKING DETAIL

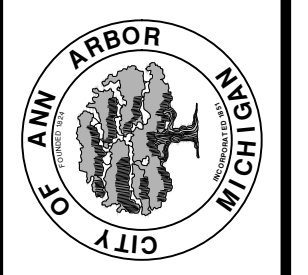


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STREET RESURFACING/RESTORATION
PROJECT - 2019
GEDDES AVENUE
STA. 10+00 - STA. 15+15 PVMT MRKG

SCALE PLAN: 1"=40'
DRAWING No. 2019004-50



CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: GRANGER AVENUE

ITB No. 4570 FILE No. 2019004

CONSTRUCTION KEY	
KEY	ASSOCIATED PAY ITEM(S)
AA	<ul style="list-style-type: none"> _Dr Structure, Adj, Case 1, Modified _Dr Structure, Adj, Case 2, Modified _Dr Structure, Temp Lowering, Modified
AB	<ul style="list-style-type: none"> _Dr Structure, Temp Lowering, Modified _Gate Box, Adj, Case 1 _Gate Box, Adj, Case 2 Monument Box Adjust
ADST	<ul style="list-style-type: none"> _Dr Structure, Adj, Add Depth, Modified
AK	<ul style="list-style-type: none"> _Dr Structure, Adj, Case 1, Modified
C4	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk _Sidewalk, Conc, 4 inch, Modified
C4HE	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk Cement _Sidewalk, Conc, 4 inch, Modified
C6	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk _Grading, Sidewalk Ramp _Detectable Warning Surface, Modified _Sidewalk Ramp, Conc, 6 inch, Modified _Sidewalk, Conc, 6 inch, Modified
C8	<ul style="list-style-type: none"> _Grading, Driveway Approach _Driveway, Nonreinf Conc, 8 inch, Modified
C HE	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Driveway Approach _Grading, Sidewalk _Grading, Sidewalk Ramp Cement _Driveway, Nonreinf Conc, 6 inch, Modified _Driveway, Nonreinf Conc, 8 inch, Modified _Detectable Warning Surface, Modified _Sidewalk Ramp, Conc, 6 inch, Modified _Sidewalk, Conc, 6 inch, Modified
C/G	<ul style="list-style-type: none"> _Curb, Gutter, and Curb and Gutter, Any Type, Rem _Curb and Gutter, Conc
C/GHE	<ul style="list-style-type: none"> _Curb, Gutter, and Curb and Gutter, Any Type, Rem Cement _Driveway Opening, Conc, Det M, Modified
CP	<ul style="list-style-type: none"> _Grading, Sidewalk _Sidewalk, Conc, 4 inch, Modified
CR	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem
DS	<ul style="list-style-type: none"> Dr Structure, Rem Sewer, Rem, Less than 24 inch Dr Structure, 24 inch dia
DSDI	<ul style="list-style-type: none"> Dr Structure, Rem Sewer, Rem, Less than 24 inch _Dr Structure, Double Inlet
PT	<ul style="list-style-type: none"> _Dr Structure, Point
RRA	<ul style="list-style-type: none"> Dr Structure Cover, Type B _Dr Structure Cover, Type B, Special _Dr Structure, Adj, Case 1, Modified _Dr Structure, Temp Lowering, Modified
RRK	<ul style="list-style-type: none"> Dr Structure Cover, Type K _Dr Structure, Adj, Case 1, Modified
RS	<ul style="list-style-type: none"> _Dr Structure, Reconstruct
TYPE II	<ul style="list-style-type: none"> Plastic Drum, High Intensity, Lighted, Fum Plastic Drum, High Intensity, Lighted, Oper
TYPE III	<ul style="list-style-type: none"> Baricade, Type III, High Intensity, Double Sided, Lighted, Fum Baricade, Type III, High Intensity, Double Sided, Lighted, Oper

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.

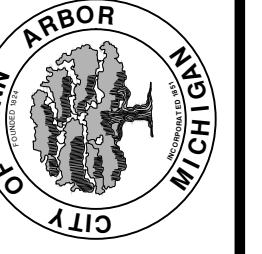


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STREET RESURFACING/RESTORATION
PROJECT - 2019
GRANGER AVENUE
SUBSET COVER SHEET

SCALE PLAN: ###
DRAWING No. 2019004-51
SHEET No.



TRAFFIC CONTROL SIGN		
TAG	SIGN	NUM.
①		D3-1 M4-9S 30x24
②		D3-1 M4-9R 30x24
③		D3-1 M4-9L 30x24
⑥		D3-1 M4-8a 24x18
⑦		R11-4 60x30
⑧		SPECIAL 48x60
⑨		SPECIAL 48x60
⑩		
⑪		
⑫		
⑬		R11-4 60x30



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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
 STREET RESURFACING/RESTORATION
 PROJECT - 2019
 GRANGER AVENUE
 DETOUR PLAN

SCALE PLAN: Custom
 DRAWING No. 2019004-52
 SHEET No. 52 OF 121

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REV.	DATE	DESCRIPTION
00	03-13-2019	
BID SET		
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DAD		

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TRAFFIC CONTROL SIGN		
TAG	SIGN	NUM.
①	 DEXTER AVE DETOUR ↑	D3-1 M4-9S 30x24
②	 DEXTER AVE DETOUR →	D3-1 M4-9R 30x24
③	 DEXTER AVE DETOUR ←	D3-1 M4-9L 30x24
⑥	 DEXTER AVE DETOUR ← ROAD ENDS	D3-1 M4-8a 24x18
⑦	 ROAD CLOSED TO THRU TRAFFIC	R11-4 60x30
⑧	 WEST BOUND DEXTER AVE CLOSED AT MAPLE RD	SPECIAL 48x60
⑨	 DEXTER AVE CLOSED	SPECIAL 48x60
⑩	 DETOUR AHEAD W20-2 36"x36" DEXTER AVE D3-1	
⑪	 ROAD CLOSED AHEAD W20-3 36"x36" DEXTER AVE D3-1	
⑫	 ROAD WORK AHEAD W20-1 36"x36" DEXTER AVE D3-1	
⑬	 ROAD CLOSED TO THRU TRAFFIC	R11-4 60x30



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STREET RESURFACING/RESTORATION PROJECT - 2019
 GRANGER AVENUE TRAFFIC CONTROL

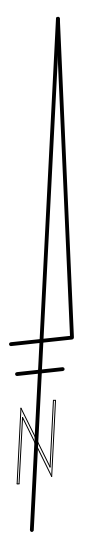
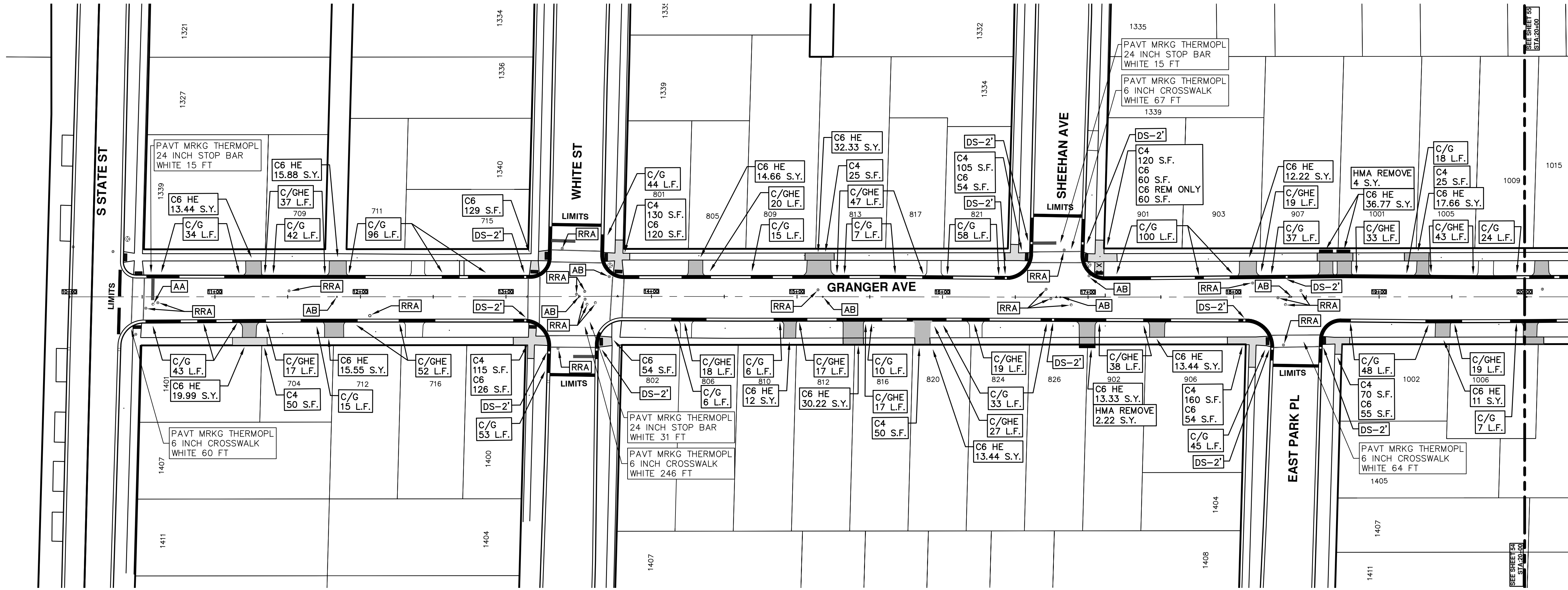
SCALE PLAN: Custom
 DRAWING No. 2019004-53
 SHEET No. 53 OF 121

REV.	DATE	DESCRIPTION
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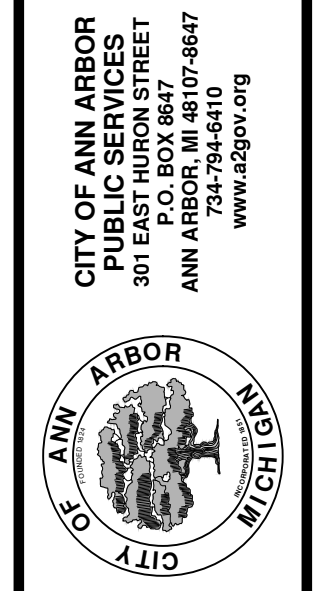
T:\2019004\Plan Production\Major Streets\2019004 - Granger Avenue.dwg Dwg Created: 10-Dec-18 - _o2 standard bw.sib - Plot Date: 13-Mar-19



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 STREET RESURFACING/RESTORATION
 PROJECT - 2019
 GRANGER AVENUE
 STA. 10+00 - STA. 20+00

SCALE PLAN: 1"=40'
 DRAWING No. 2019004-54
 SHEET No. 54 OF 121

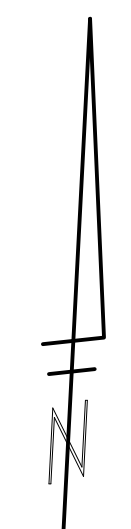
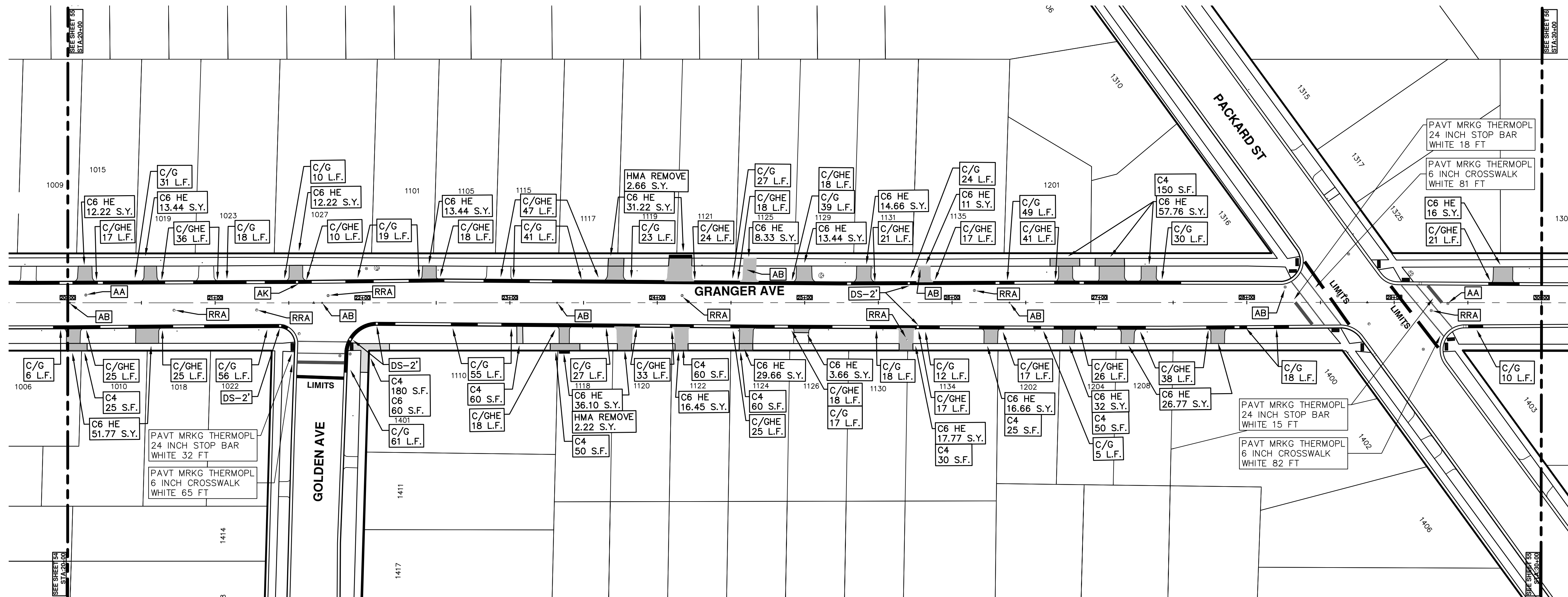


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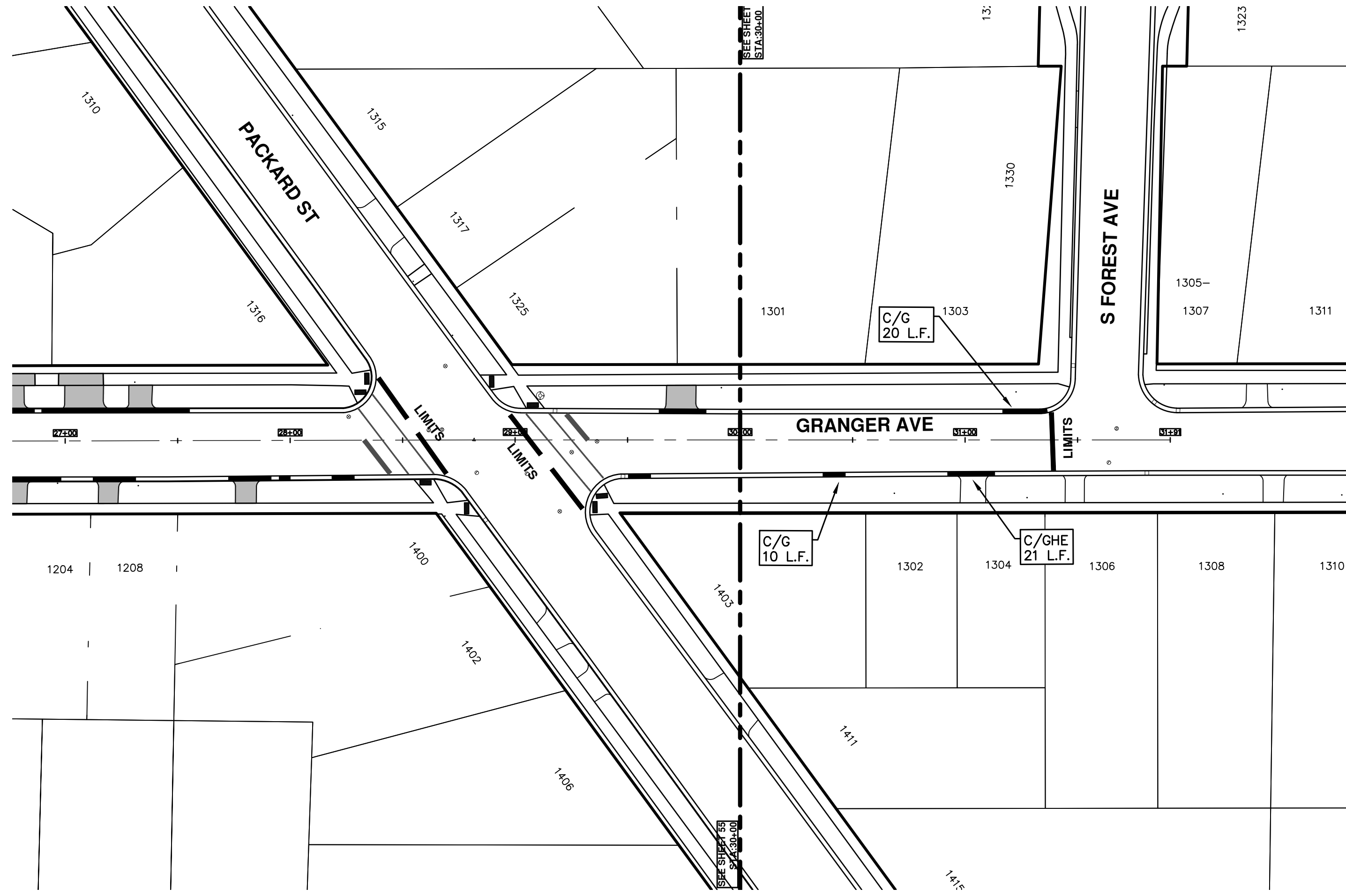
REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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STREET RESURFACING/RESTORATION
PROJECT - 2019
 GRANGER AVENUE
 STA. 20+00 - STA. 30+00

SCALE PLAN: 1"=40'
 DRAWING No. 2019004-55
 SHEET No. 55 OF 121



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 PROJECT - 2019
 GRANGER AVENUE
 STA. 30+00 - STA. 31+91

SCALE PLAN: 1"=40'
 DRAWING No.
 2019004-56

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CITY OF ANN ARBOR ENGINEERING

PROJECT LOCATION: FULLER RD - HURON PKWY HMA PATH

ITB No. 4570 FILE No. 2019004

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.



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00	BID SET	03-13-2019	AH.GS.CE	DAD

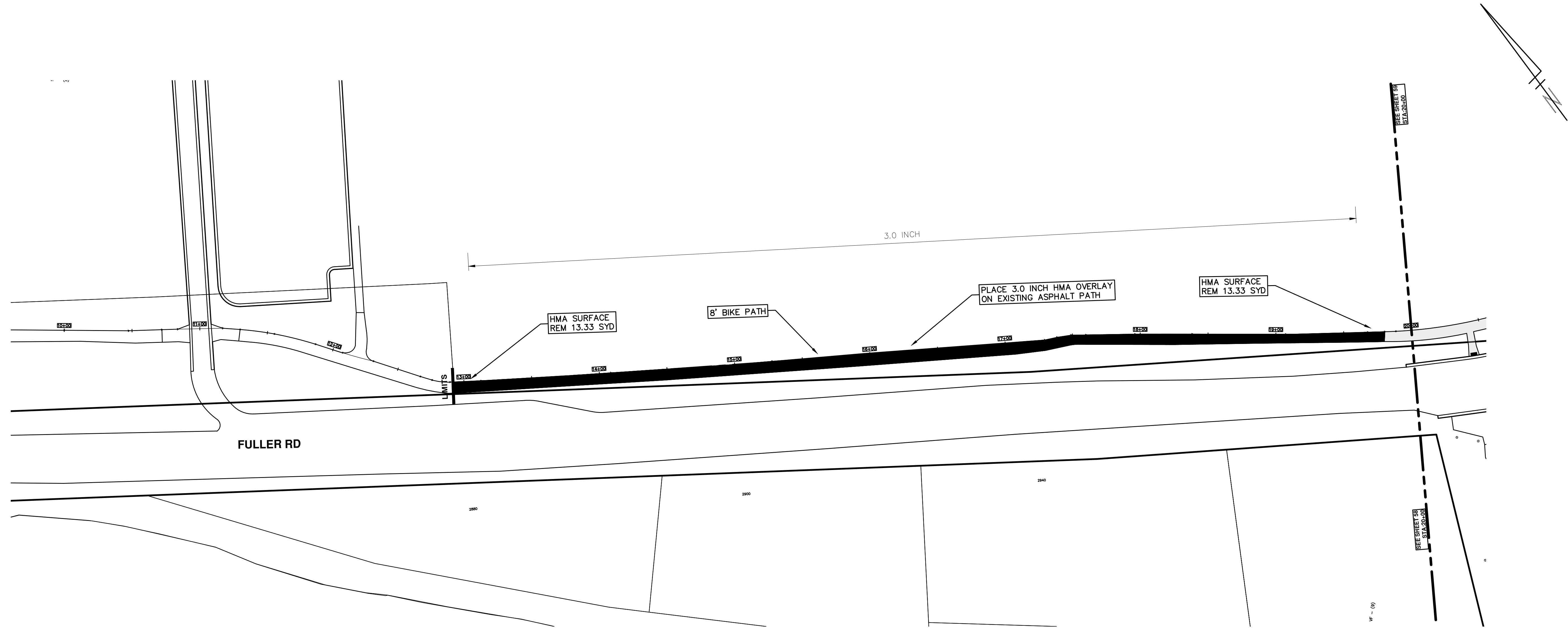
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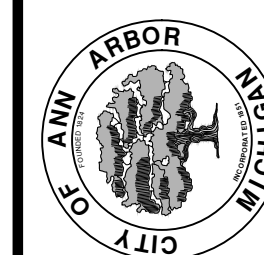
ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION
PROJECT - 2019
FULLER RD - HURON PKWY HMA PATH
SUBSET COVER SHEET

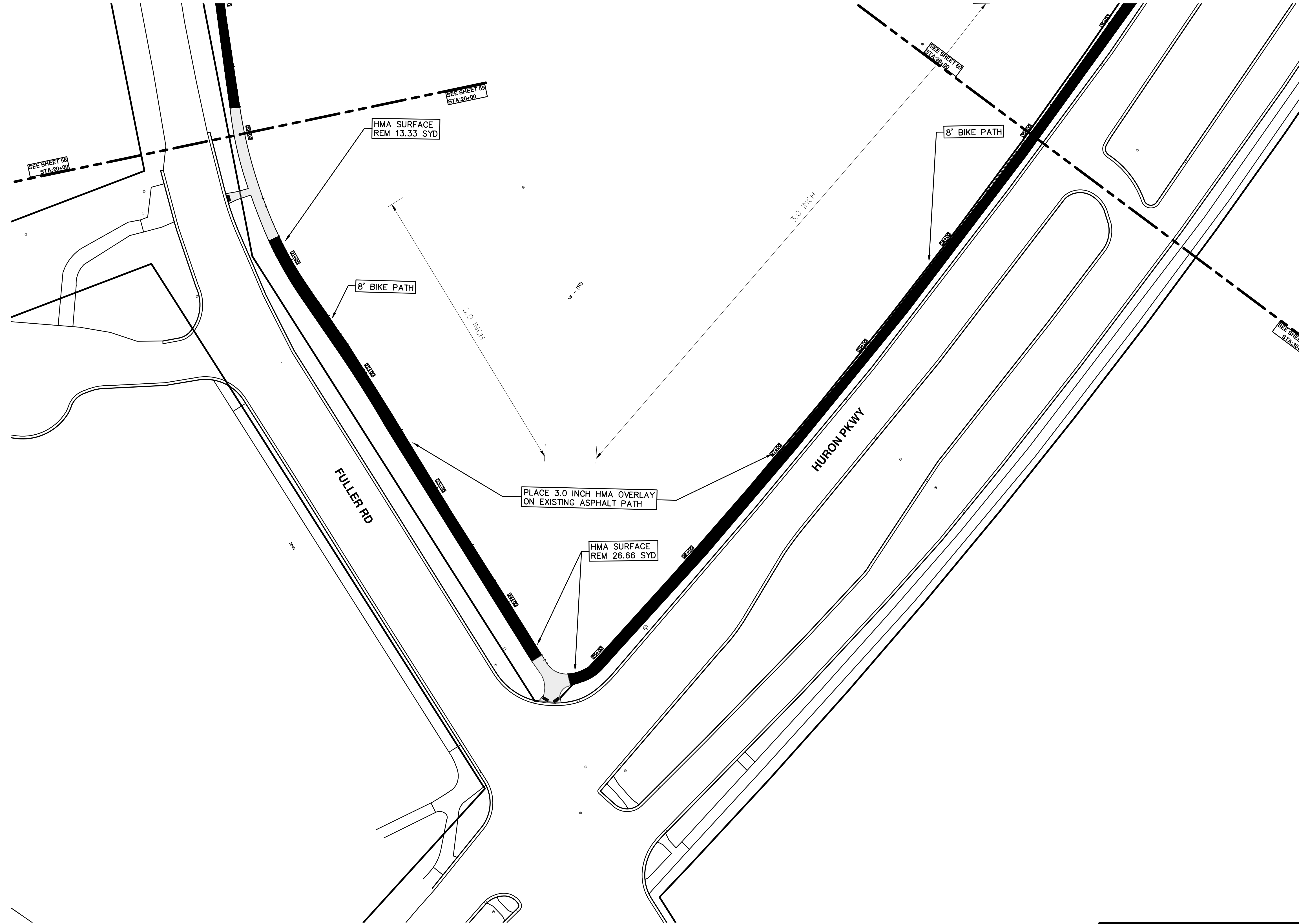
SCALE PLAN: ###
DRAWING No. 2019004-57

T:\2019004\Plan Production\Major Streets\STA_30+00 - STA_34+22.dwg Dwg Created: 10-Dec-18 - _a2_standard bw.stb - Plot Date: 13-Mar-19



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		ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR STREET RESURFACING/RESTORATION PROJECT - 2019 FULLER RD - HURON PKWY HMA PATH STA. 10+00 - STA. 20+00	
SCALE PLAN: 1"=40' DRAWING No. 2019004-58	CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET P.O. BOX 8647 ANN ARBOR, MI 48107-8647 www.a2gov.org	REV. 00 BID SET 03-13-2019 DATE 03-13-2019 DATE AH.GS.CE DRAWN DAD CHECKED	DESCRIPTION 811 Know what's below. Call before you dig.
SHEET No. 58 OF 121			

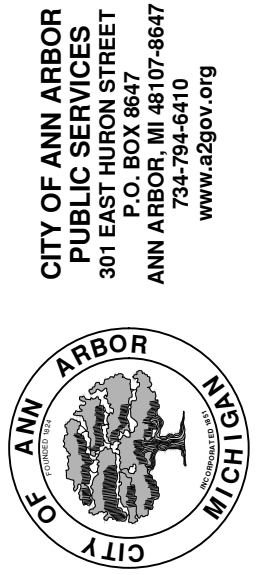


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SCALE PLAN: 1"=40'
 DRAWING No. 2019004-59

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STREET RESURFACING/RESTORATION
PROJECT - 2019
 FULLER RD - HURON PKWY HMA PATH
 STA. 20+00 - STA. 30+00

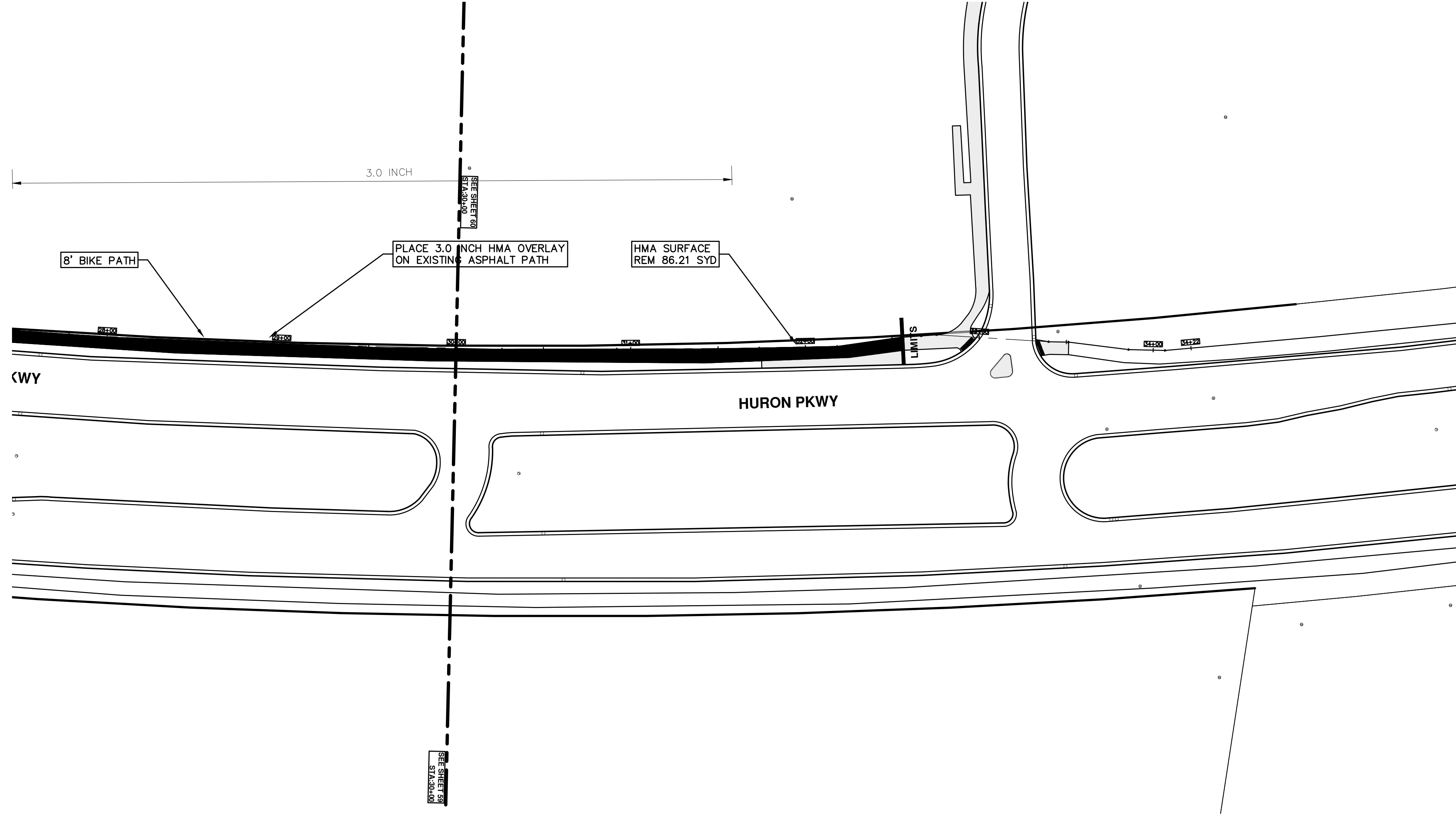


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DATE	DESCRIPTION	DRAWN	CHECKED
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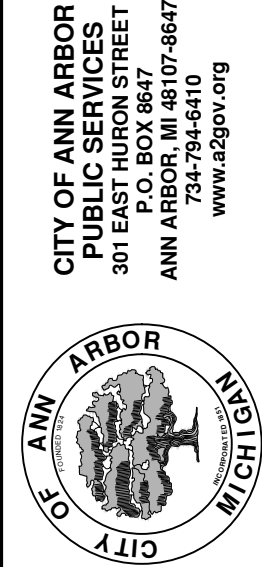




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 STREET RESURFACING/RESTORATION
 PROJECT - 2019
 FULLER RD - HURON PKWY HMA PATH
 STA. 30+00 - STA. 34+22

SHEET No. 60 OF 121



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CITY OF ANN ARBOR ENGINEERING PROJECT LOCATION: PLATT ROAD

ITB No. 4570 FILE No. 2019004

CONSTRUCTION KEY	
KEY	ASSOCIATED PAY ITEM(S)
AA	<ul style="list-style-type: none"> • _Dr Structure, Adj, Case 1, Modified • _Dr Structure, Adj, Case 2, Modified • _Dr Structure, Temp Lowering, Modified
AB	<ul style="list-style-type: none"> • _Dr Structure, Temp Lowering, Modified • _Gate Box, Adj, Case 1 • _Gate Box, Adj, Case 2 • _Monument Box Adjust
ADST	• _Dr Structure, Adj, Add Depth, Modified
AK	• _Dr Structure, Adj, Case 1, Modified
C4	<ul style="list-style-type: none"> • _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem • Grading, Sidewalk • _Sidewalk, Conc, 4 inch, Modified
C4HE	<ul style="list-style-type: none"> • _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem • Grading, Sidewalk • Cement • _Sidewalk, Conc, 4 inch, Modified
C6	<ul style="list-style-type: none"> • _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem • Grading, Sidewalk • _Grading, Sidewalk Ramp • _Detectable Warning Surface, Modified • _Sidewalk Ramp, Conc, 6 inch, Modified • _Sidewalk, Conc, 6 inch, Modified
C8	<ul style="list-style-type: none"> • _Grading, Driveway Approach • _Driveway, Nonreinf Conc, 8 inch, Modified
C HE	<ul style="list-style-type: none"> • _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem • _Grading, Driveway Approach • Grading, Sidewalk • _Grading, Sidewalk Ramp • Cement • _Driveway, Nonreinf Conc, 6 inch, Modified • _Driveway, Nonreinf Conc, 8 inch, Modified • _Detectable Warning Surface, Modified • _Sidewalk Ramp, Conc, 6 inch, Modified • _Sidewalk, Conc, 6 inch, Modified
C/G	<ul style="list-style-type: none"> • _Curb, Gutter, and Curb and Gutter, Any Type, Rem • _Curb and Gutter, Conc
C/GHE	<ul style="list-style-type: none"> • _Curb, Gutter, and Curb and Gutter, Any Type, Rem • Cement • _Driveway Opening, Conc, Det M, Modified
CP	<ul style="list-style-type: none"> • _Grading, Sidewalk • _Sidewalk, Conc, 4 inch, Modified
CR	• _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem
DS	<ul style="list-style-type: none"> • Dr Structure, Rem • Sewer, Rem, Less than 24 inch • Dr Structure, 24 inch dia
DSDI	<ul style="list-style-type: none"> • Dr Structure, Rem • Sewer, Rem, Less than 24 inch • _Dr Structure, Double Inlet
PT	• Dr Structure, Point
RRA	<ul style="list-style-type: none"> • Dr Structure Cover, Type B • _Dr Structure Cover, Type B, Special • _Dr Structure, Adj, Case 1, Modified • _Dr Structure, Temp Lowering, Modified
RRK	<ul style="list-style-type: none"> • Dr Structure Cover, Type K • _Dr Structure, Adj, Case 1, Modified
RS	• Dr Structure, Reconstruct
TYPE II	<ul style="list-style-type: none"> • Plastic Drum, High Intensity, Lighted, Furn • Plastic Drum, High Intensity, Lighted, Oper
TYPE III	<ul style="list-style-type: none"> • Barricade, Type III, High Intensity, Double Sided, Lighted, Furn • Barricade, Type III, High Intensity, Double Sided, Lighted, Oper

NOTES:

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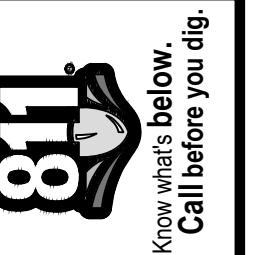
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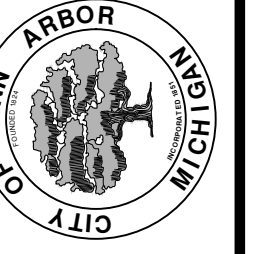
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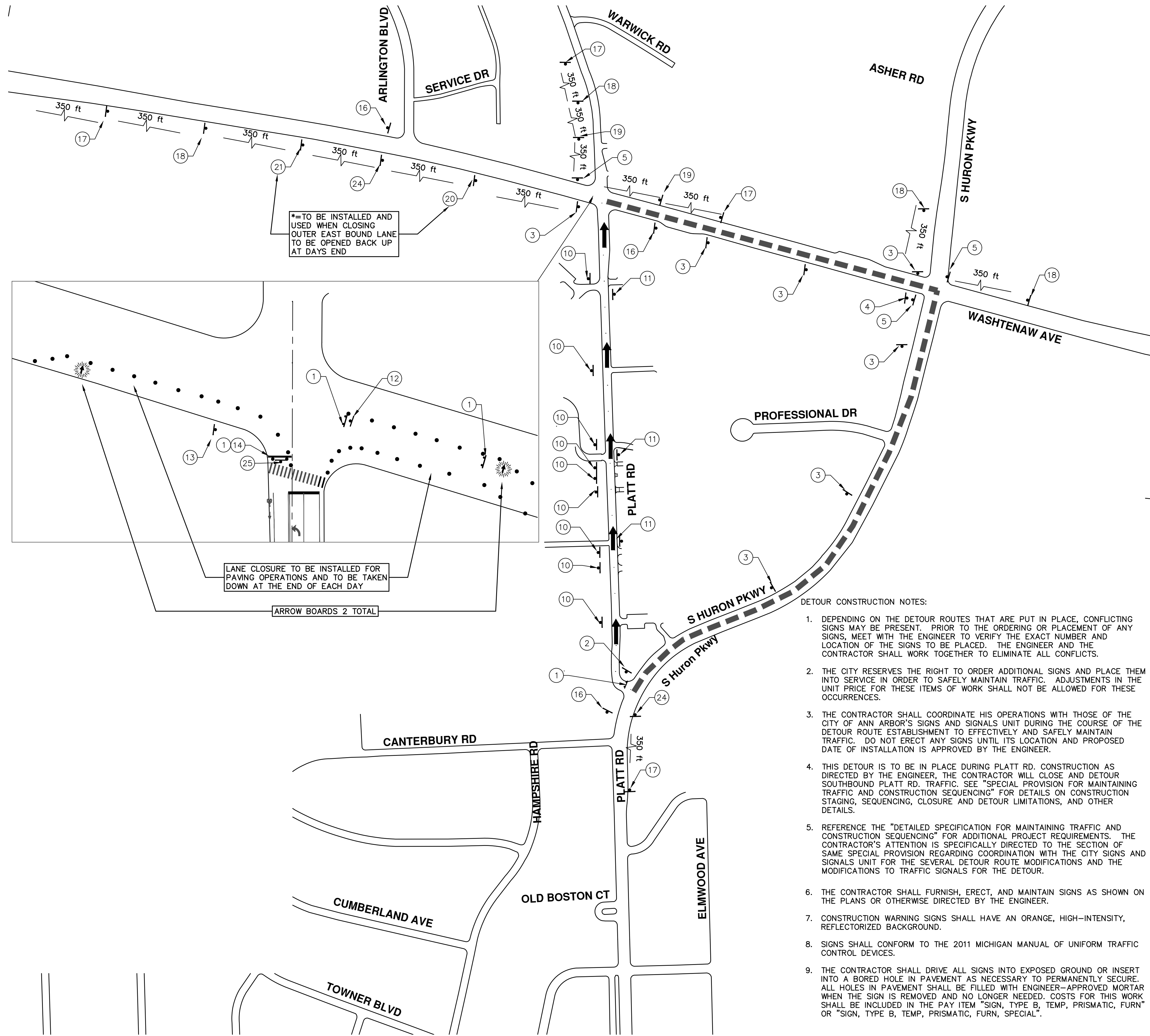
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STREET RESURFACING/RESTORATION
PROJECT - 2019
PLATT ROAD
SUBSET COVER SHEET

SCALE PLAN: ###
DRAWING No.
2019004-61

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*= TO BE INSTALLED AND USED WHEN CLOSING OUTER EAST BOUND LANE TO BE OPENED BACK UP AT DAYS END

LANE CLOSURE TO BE INSTALLED FOR PAVING OPERATIONS AND TO BE TAKEN DOWN AT THE END OF EACH DAY

ARROW BOARDS 2 TOTAL

DETOUR CONSTRUCTION NOTES:

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

TRAFFIC CONTROL SIGN		
SIGN	NUMBER	QUANTITY
	BARRICADE TYPE III HIGH INTENSITY LIGHTED	8
	D3-1	1
	M4-8a 24x18	1
	D3-1	7
	M4-9S 30x24	7
	D3-1	1
	M4-9R 30x24	1
	D3-1	3
	M4-9L (MOD.) 30x24	3
	36"x12"	9
	36"x12"	3
	24"x24"	1
	24"x24"	1
	48X30	2
	48" x24"	3
	36x36	4
	D3-1	4
	36x36	4
	D3-1	4
	36x36	2
	D3-1	2
	36" x36"	1
	36" x36"	1
	48"x48"	2
	36x36	5

SIGN, PORTABLE, CHANGEABLE MESSAGE

VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING

LEGEND:
 SOUTH BOUND PLATT DETOUR ROUTE
 NORTH BOUND PLATT TRAFFIC MAINTAINED



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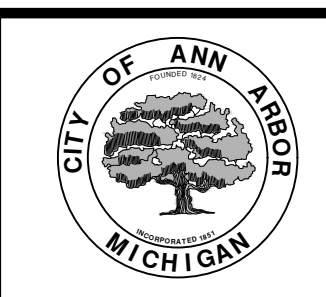
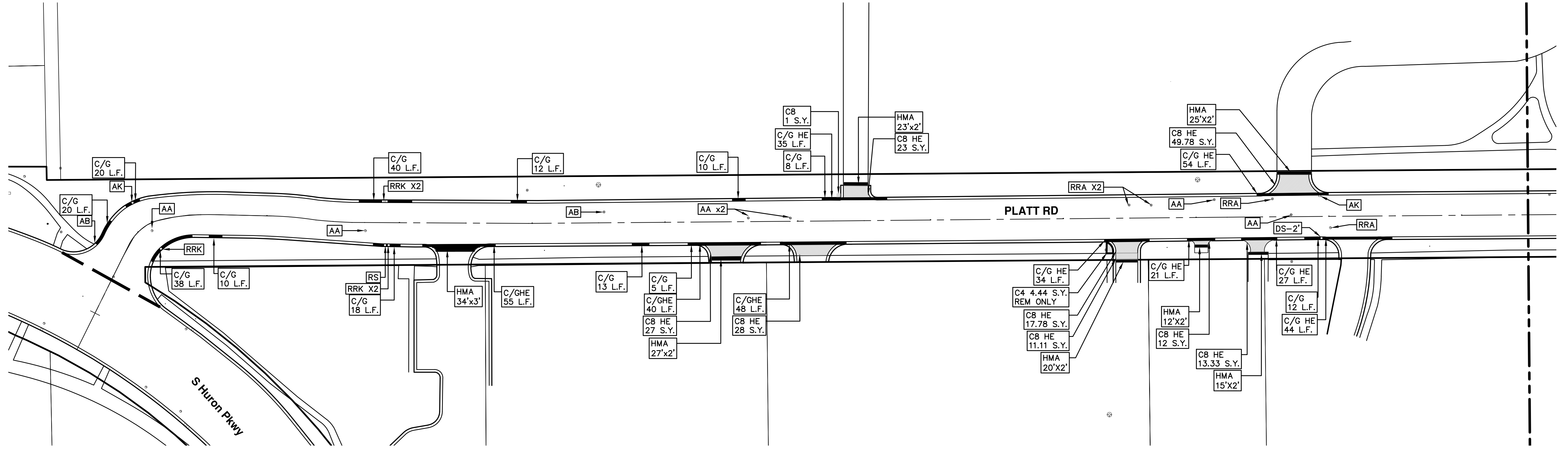
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STREET RESURFACING/RESTORATION
PROJECT - 2019
 PLATT ROAD
 DETOUR PLAN

SCALE PLAN: N.T.S.
 DRAWING No. 2019004-62
 SHEET No. 62 OF 121

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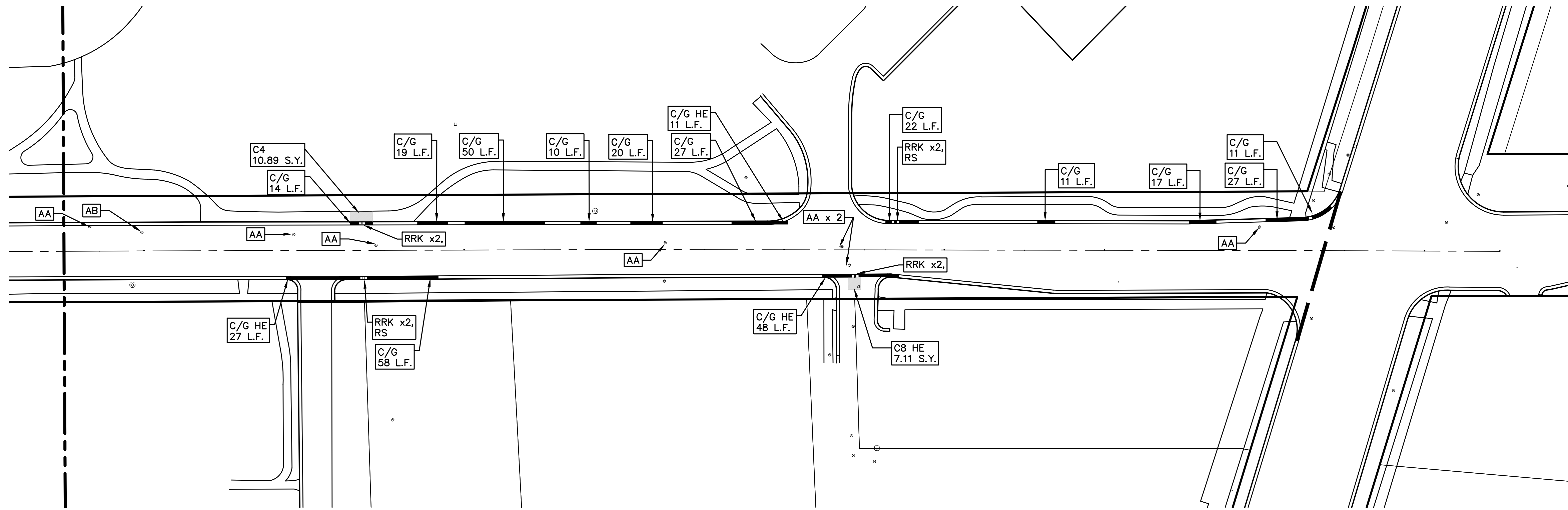


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SCALE PLAN: 1"=40' 	DRAWING No. 2019004-63	SHEET No. 63 OF 121	CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET P.O. BOX 8647 ANN ARBOR, MI 48107-8647 734-794-6410 www.a2gov.org
REV.	BID SET	DATE	DESCRIPTION
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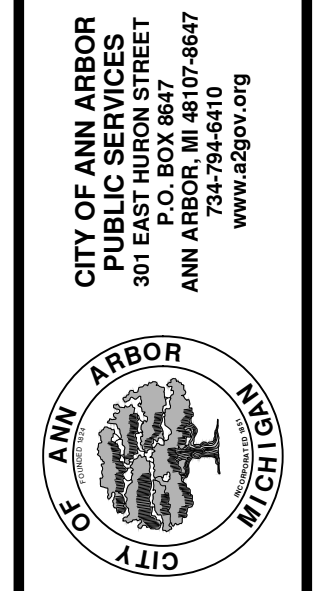
811
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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
 STREET RESURFACING/RESTORATION
 PROJECT - 2019
 PLATT ROAD
 STA. 21+50 - STA. 30+47
 SCALE PLAN: 1"=40'
 DRAWING No. 2019004-64
 SHEET No. 64 OF 121



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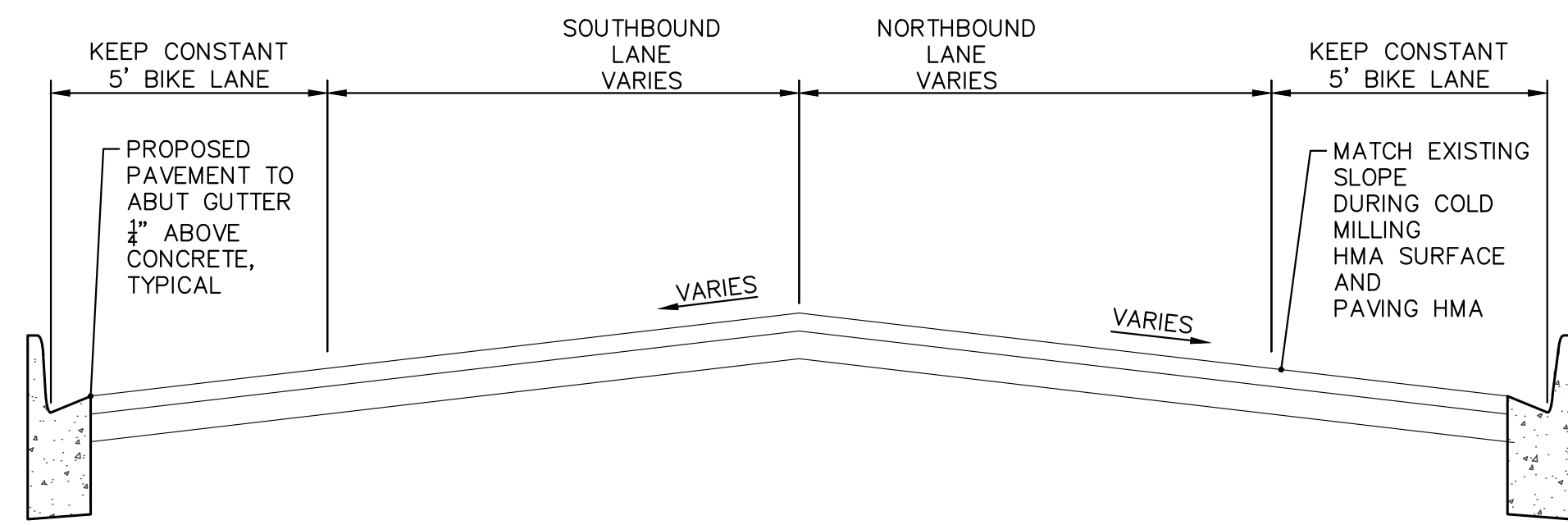
REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

Know what's below.
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T:\2019004\Plan Production\Major Streets\STA.10+00-21+50 PVT MRKG.dwg Dwg Created: 13-Dec-18 -- _a2_standard_bw.stb -- Plot Date: 13-Mar-19

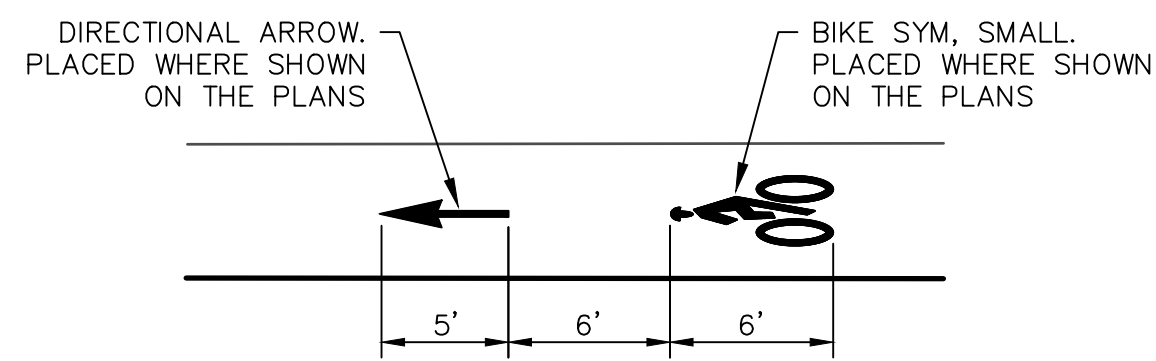
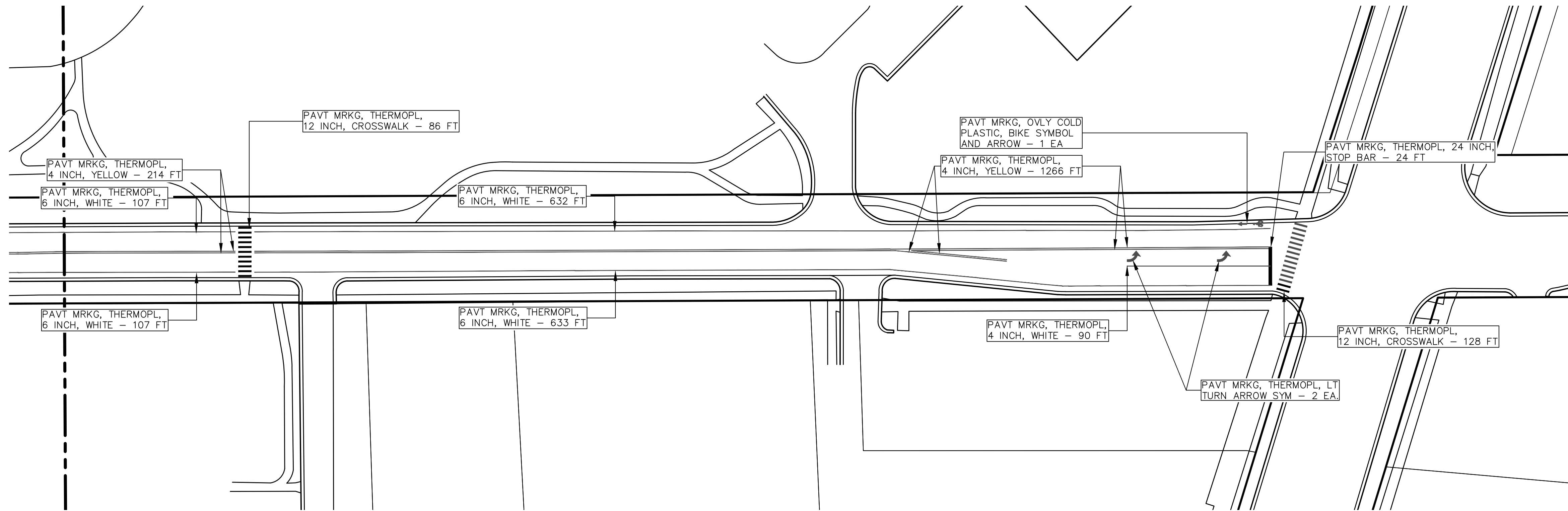
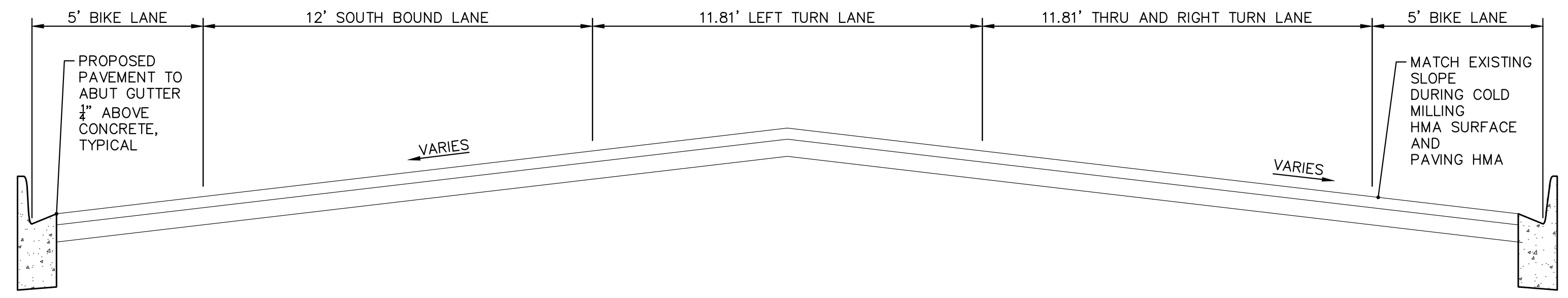
PAVT. MRKG LAYOUT STA. 12 + 45 - STA. 29 + 00

NOTE: NOT TO SCALE

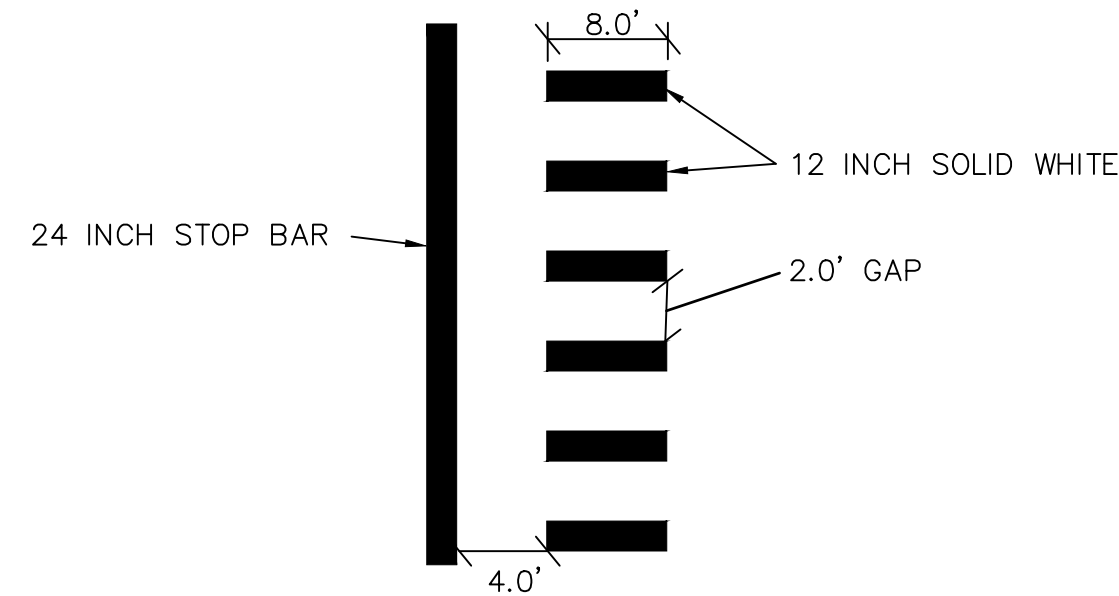


PAVT. MRKG LAYOUT AT WASHTENAW AVE. STA. 29+00

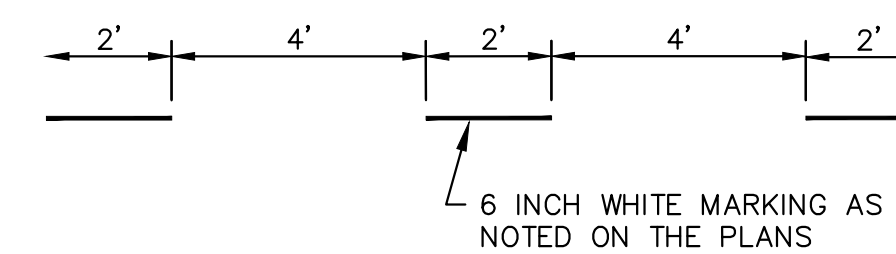
NOTE: NOT TO SCALE



**BIKE SYMBOL
DETAIL**



**STOP BAR AND CROSSWALK
DETAIL**



**DOTTED LINE
DETAIL**

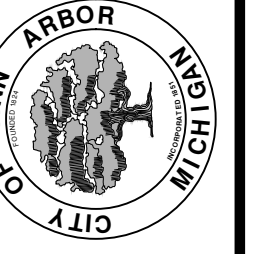


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00	BID SET	03-13-2019	AH.GS.CE	DAD

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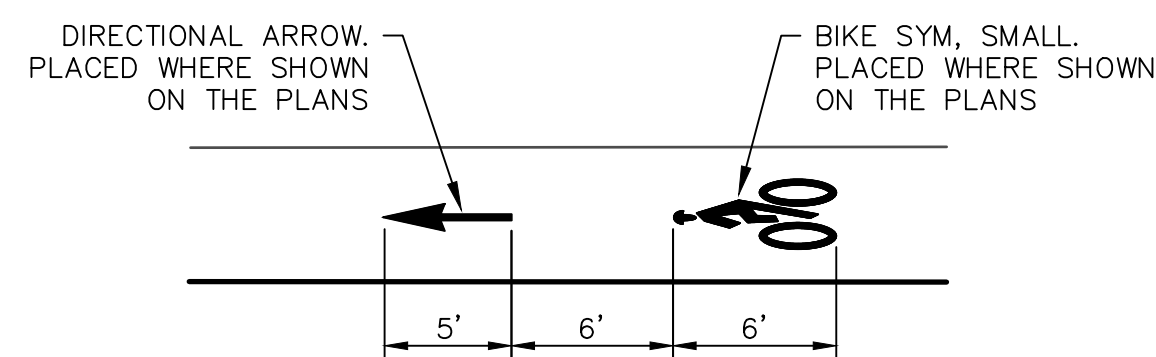
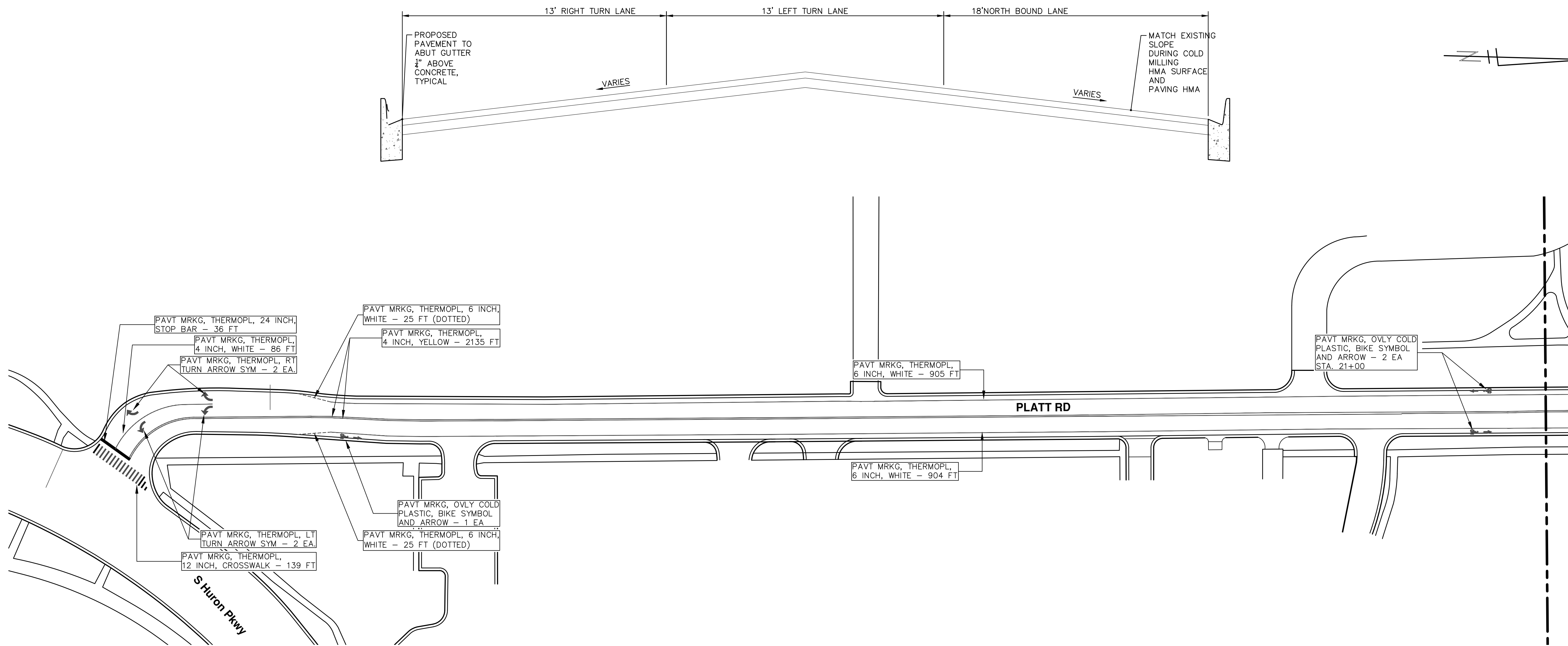


ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION
PROJECT - 2019
PLATT ROAD
STA. 21+50-30+47 PVT MRKG

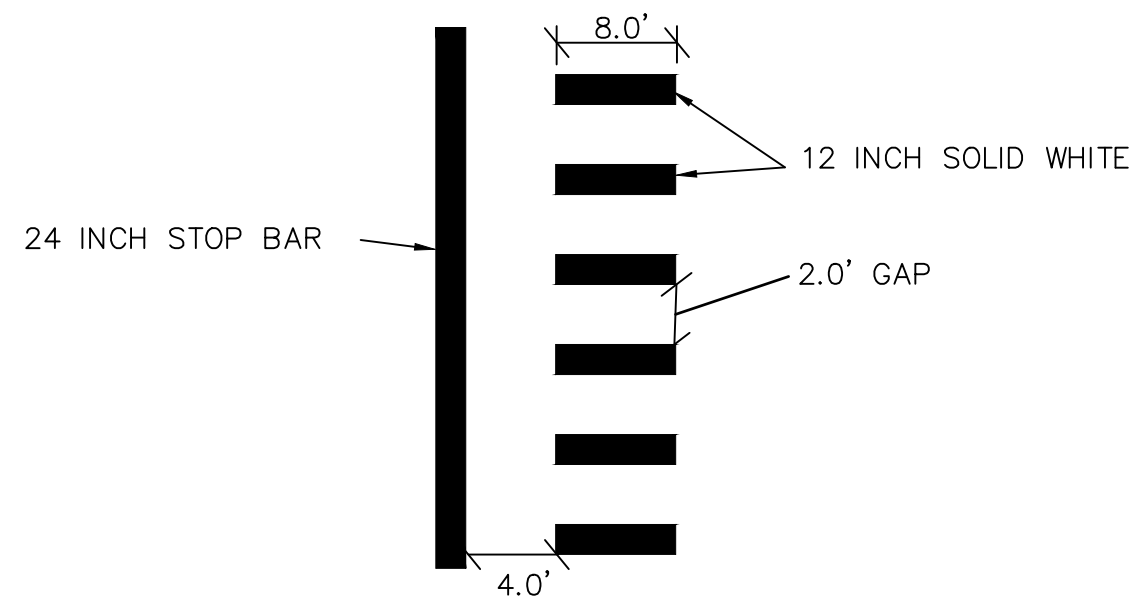
SCALE PLAN: 1"=40'
DRAWING No. 2019004-65

PAVT. MRKG LAYOUT AT S. HURON PKWY STA. 10+77

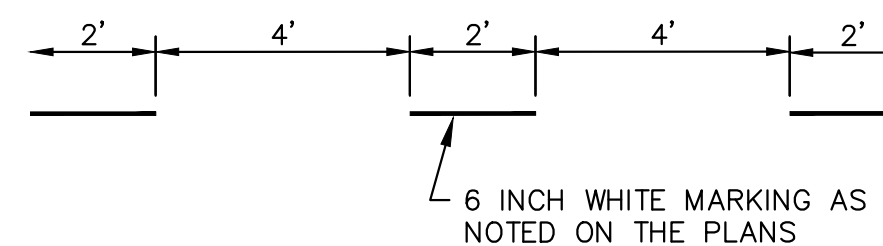
NOTE: NOT TO SCALE. FROM STA 10+77 NORTH LANES VARY. MIN LANE WIDTH 10'. STATION 12+20.5 START OF BIKE LANES. MAINTAIN BIKE LANE WIDTH OF 5' FROM FACE OF CURB.



BIKE SYMBOL
DETAIL



STOP BAR AND CROSSWALK DETAIL



DOTTED LINE DETAIL



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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR STREET RESURFACING/RESTORATION PROJECT - 2019 PLATT ROAD STA. 10+00-21+50 PVT MRKG	SHEET No. 66 OF 121
SCALE PLAN: 1"=40' DRAWING No. 2019004-66	REV.
00	BID SET
03-13-2019	DATE
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KNOW WHAT'S BELOW. CALL BEFORE YOU DIG.	DESCRIPTION

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CITY OF ANN ARBOR ENGINEERING PROJECT LOCATION: S. DIVISION STREET

ITB No. 4570 FILE No. 2019004

CONSTRUCTION KEY	
KEY	ASSOCIATED PAY ITEM(S)
AA	<ul style="list-style-type: none"> _Dr Structure, Adj, Case 1, Modified _Dr Structure, Adj, Case 2, Modified _Dr Structure, Temp Lowering, Modified
AB	<ul style="list-style-type: none"> _Dr Structure, Temp Lowering, Modified _Gate Box, Adj, Case 1 _Gate Box, Adj, Case 2 Monument Box Adjust
ADST	<ul style="list-style-type: none"> _Dr Structure, Adj, Add Depth, Modified
AK	<ul style="list-style-type: none"> _Dr Structure, Adj, Case 1, Modified
C4	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk _Sidewalk, Conc, 4 inch, Modified
C4HE	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk Cement _Sidewalk, Conc, 4 inch, Modified
C6	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk _Grading, Sidewalk Ramp _Detectable Warning Surface, Modified _Sidewalk Ramp, Conc, 6 inch, Modified _Sidewalk, Conc, 6 inch, Modified
C8	<ul style="list-style-type: none"> _Grading, Driveway Approach _Driveway, Nonreinf Conc, 8 inch, Modified
C HE	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Driveway Approach _Grading, Sidewalk _Grading, Sidewalk Ramp Cement _Driveway, Nonreinf Conc, 6 inch, Modified _Driveway, Nonreinf Conc, 8 inch, Modified _Detectable Warning Surface, Modified _Sidewalk Ramp, Conc, 6 inch, Modified _Sidewalk, Conc, 6 inch, Modified
C/G	<ul style="list-style-type: none"> _Curb, Gutter, and Curb and Gutter, Any Type, Rem _Curb and Gutter, Conc
C/GHE	<ul style="list-style-type: none"> _Curb, Gutter, and Curb and Gutter, Any Type, Rem Cement _Driveway Opening, Conc, Det M, Modified
CP	<ul style="list-style-type: none"> _Grading, Sidewalk _Sidewalk, Conc, 4 inch, Modified
CR	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem
DS	<ul style="list-style-type: none"> Dr Structure, Rem Sewer, Rem, Less than 24 inch Dr Structure, 24 inch dia
DSDI	<ul style="list-style-type: none"> Dr Structure, Rem Sewer, Rem, Less than 24 inch _Dr Structure, Double Inlet
PT	<ul style="list-style-type: none"> _Dr Structure, Point
RRA	<ul style="list-style-type: none"> Dr Structure Cover, Type B _Dr Structure Cover, Type B, Special _Dr Structure, Adj, Case 1, Modified _Dr Structure, Temp Lowering, Modified
RRK	<ul style="list-style-type: none"> Dr Structure Cover, Type K _Dr Structure, Adj, Case 1, Modified
RS	<ul style="list-style-type: none"> _Dr Structure, Reconstruct
TYPE II	<ul style="list-style-type: none"> Plastic Drum, High Intensity, Lighted, Furn Plastic Drum, High Intensity, Lighted, Oper
TYPE III	<ul style="list-style-type: none"> Barricade, Type III, High Intensity, Double Sided, Lighted, Furn Barricade, Type III, High Intensity, Double Sided, Lighted, Oper

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.



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00	BID SET	03-13-2019			

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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION
PROJECT - 2019
S. DIVISION STREET
SUBSET COVER SHEET

SCALE
DRAWING No.
2019004-67

T:\2019004\Plan Production\Major Streets\STA. 20+00 - STA. 27+19 PAVMT MRKG.dwg Dwg Created: 14-Dec-18 - _a2 standard bw.stb - Plot Date: 13-Mar-19

TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
	BARRICADE TYPE III HIGH INTENSITY LIGHTED	0	
	D3-1	1	
	M4-8a 24x18	1	
	D3-1	6	
	M4-9S 30x24	6	
	D3-1	0	
	M4-9R 30x24	0	
	D3-1	0	
	M4-9L (MOD.) 30x24	0	
	D3-1	0	
	M4-9R (MOD.) 30x24	0	
	D3-1	0	
	M4-9L (MOD.) 30x24	0	
	M4-10R 48x18	1	
	M4-10L 48x18	0	
	36"x12" R6-1R	1	
	36"x12" R6-1L	0	
	R3-2 24"x24"	1	
	R3-1 24"x24"	0	
	R11-2 48x30	0	
	R11-4 60x30	0	
	G20-2 48" x24"	1	
	W20-1 36x36	3	
	D3-1	3	
	W20-2 36x36	2	
	D3-1	2	
	W20-3 36x36	2	
	D3-1	2	
	W20-5R 36"x36"	0	
	W4-2R 36"x36"	0	

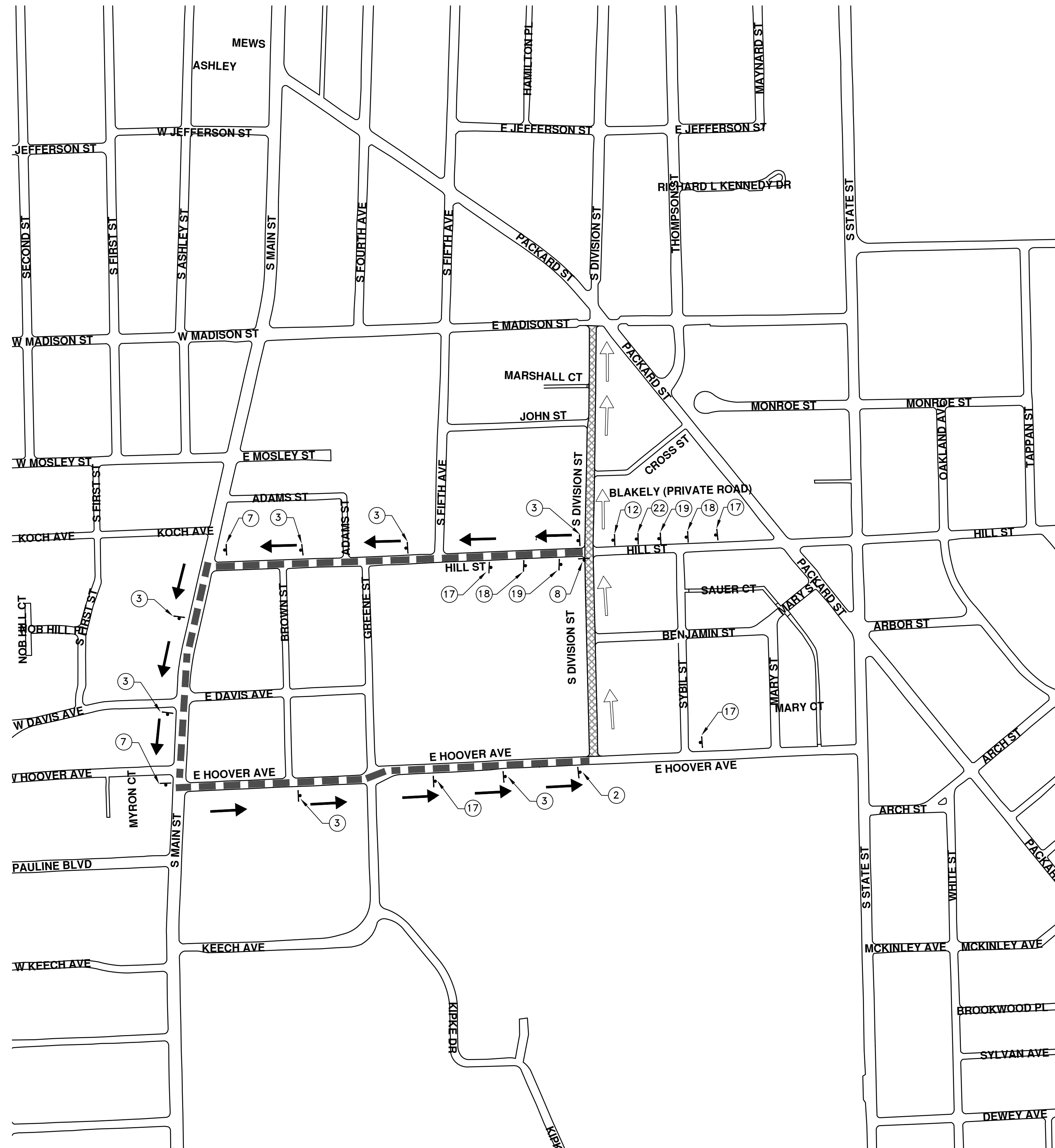
DETOUR CONSTRUCTION NOTES:

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

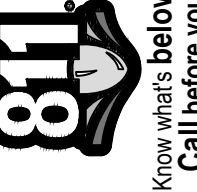
TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
	W20-5L 36"x36"	1	
	W4-2L 36"x36"	0	
	R5-18C 48"x48"	6	
	SPECIAL 48x66	1	
	SPECIAL 48x66	1	
	R5-1 36x36	0	
SIGN, PORTABLE, CHANGEABLE MESSAGE		VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING	

LEGEND:

- SOUTH BOUND S. DIVISION ST. DETOUR ROUTE
- NORTH BOUND S. DIVISION ST. TRAFFIC MAINTAINED
- S. DIVISION ST. WORK ZONE



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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION
PROJECT - 2019
S. DIVISION STREET
DETOUR PLAN

SCALE PLAN: Custom
 DRAWING No. 2019004-68
 SHEET No. 68 OF 121

T:\2019004\Plan Production\Major Streets\STA. 20+00 - STA. 27+19 PAVMT WRKG.dwg Dwg Created: 14-Dec-18 - _a2 standard bw.stb - Plot Date: 13-Mar-19

TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
①		BARRICADE TYPE III HIGH INTENSITY LIGHTED	9
②		D3-1 M4-8a 24x18	1
③		D3-1 M4-9S 30x24	6
④		D3-1 M4-9R 30x24	0
⑤		D3-1 M4-9L (MOD.) 30x24	0
⑥		D3-1 M4-9R (MOD.) 30x24	0
⑦		D3-1 M4-9L (MOD.) 30x24	0
⑧		M4-10R 48x18	0
⑨		M4-10L 48x18	0
⑩		36"x12" R6-1R	1
⑪		36"x12" R6-1L	0
⑫		R3-2 24"x24"	2
⑬		R3-1 24"x24"	0
⑭		R11-2 48x30	1
⑮		R11-4 60x30	0
⑯		G20-2 48" x24"	1
⑰		W20-1 36x36	3
⑱		D3-1 W20-2 36x36	2
⑲		D3-1 W20-3 36x36	3
⑳		W20-5R 36"x36"	0
㉑		W4-2R 36"x36"	0

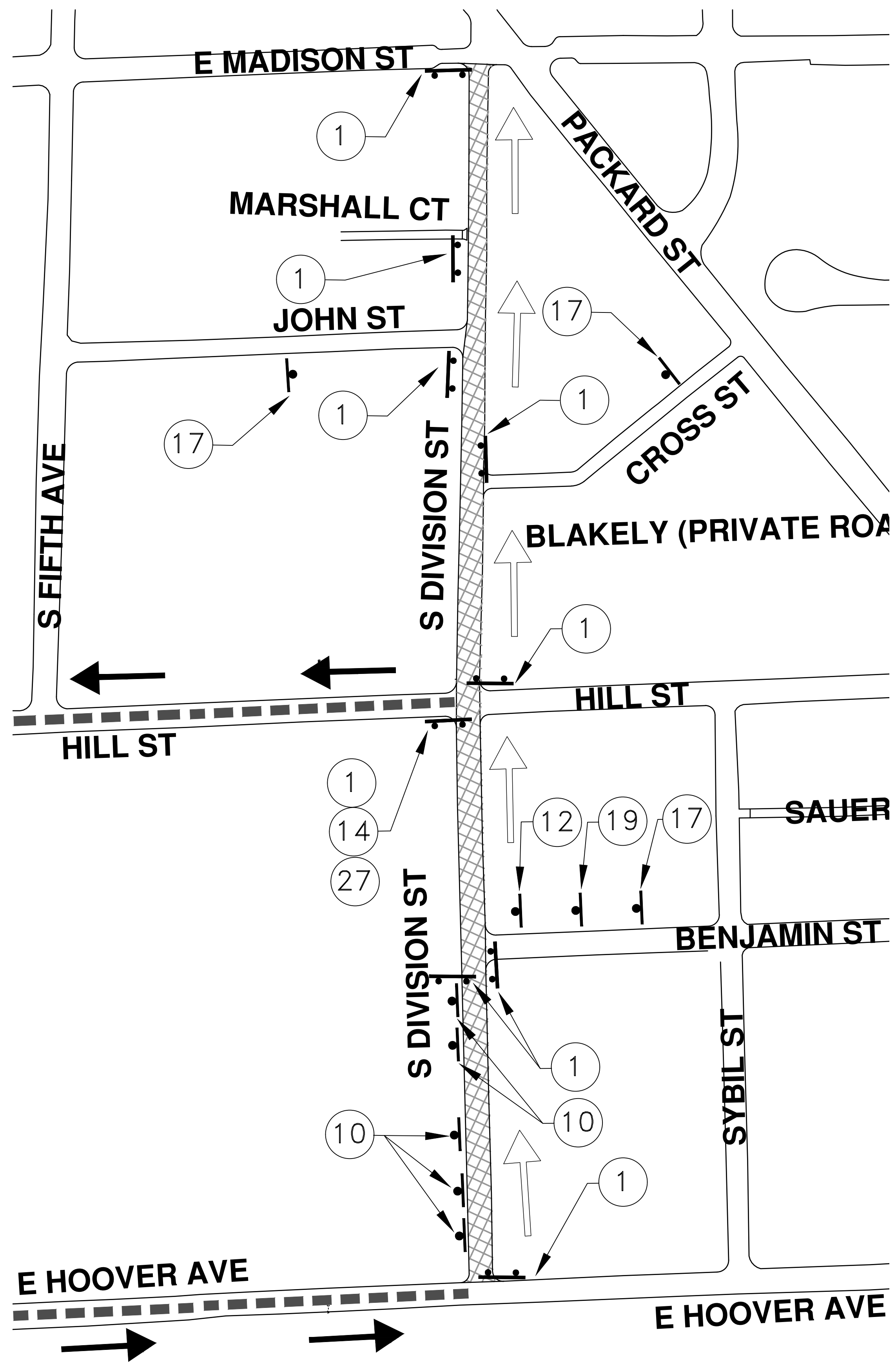
DETOUR CONSTRUCTION NOTES:

1. DEPENDING ON THE DETOUR ROUTES THAT ARE PUT IN PLACE, CONFLICTING SIGNS MAY BE PRESENT. PRIOR TO THE ORDERING OR PLACEMENT OF ANY SIGNS, MEET WITH THE ENGINEER TO VERIFY THE EXACT NUMBER AND LOCATION OF THE SIGNS TO BE PLACED. THE ENGINEER AND THE CONTRACTOR SHALL WORK TOGETHER TO ELIMINATE ALL CONFLICTS.
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4. THIS DETOUR IS TO BE IN PLACE DURING S. DIVISION ST. CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR WILL CLOSE AND DETOUR SOUTH BOUND S.DIVISION ST. TRAFFIC. SEE "SPECIAL PROVISION FOR MAINTAINING TRAFFIC AND CONSTRUCTION SEQUENCING" FOR DETAILS ON CONSTRUCTION STAGING, SEQUENCING, CLOSURE AND DETOUR LIMITATIONS, AND OTHER DETAILS.
5. REFERENCE THE "DETAILED SPECIFICATION FOR MAINTAINING TRAFFIC AND CONSTRUCTION SEQUENCING" FOR ADDITIONAL PROJECT REQUIREMENTS. THE CONTRACTOR'S ATTENTION IS SPECIFICALLY DIRECTED TO THE SECTION OF SAME SPECIAL PROVISION REGARDING COORDINATION WITH THE CITY SIGNS AND SIGNALS UNIT FOR THE SEVERAL DETOUR ROUTE MODIFICATIONS AND THE MODIFICATIONS TO TRAFFIC SIGNALS FOR THE DETOUR.
6. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN SIGNS AS SHOWN ON THE PLANS OR OTHERWISE DIRECTED BY THE ENGINEER.
7. CONSTRUCTION WARNING SIGNS SHALL HAVE AN ORANGE, HIGH-INTENSITY, REFLECTORIZED BACKGROUND.
8. SIGNS SHALL CONFORM TO THE 2011 MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
9. THE CONTRACTOR SHALL DRIVE ALL SIGNS INTO EXPOSED GROUND OR INSERT INTO A BORED HOLE IN PAVEMENT AS NECESSARY TO PERMANENTLY SECURE. ALL HOLES IN PAVEMENT SHALL BE FILLED WITH ENGINEER-APPROVED MORTAR WHEN THE SIGN IS REMOVED AND NO LONGER NEEDED. COSTS FOR THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "SIGN, TYPE B, TEMP, PRISMATIC, FURN" OR "SIGN, TYPE B, TEMP, PRISMATIC, FURN, SPECIAL".

TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
⑳		W20-5L 36"x36"	1
㉑		W4-2L 36"x36"	0
㉒		R5-18C 48"x48"	6
㉓		SPECIAL 48x66	1
㉔		SPECIAL 48x66	1
㉕		R5-1 36x36	1
SIGN, PORTABLE, CHANGEABLE MESSAGE		VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING	

LEGEND:

- SOUTH BOUND S. DIVISION ST. DETOUR ROUTE
- NORTH BOUND S. DIVISION ST. TRAFFIC MAINTAINED
- S. DIVISION ST. WORK ZONE



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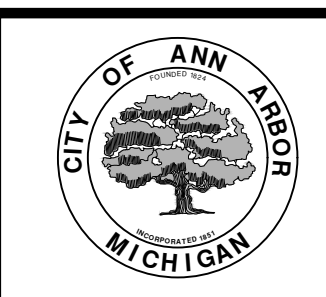
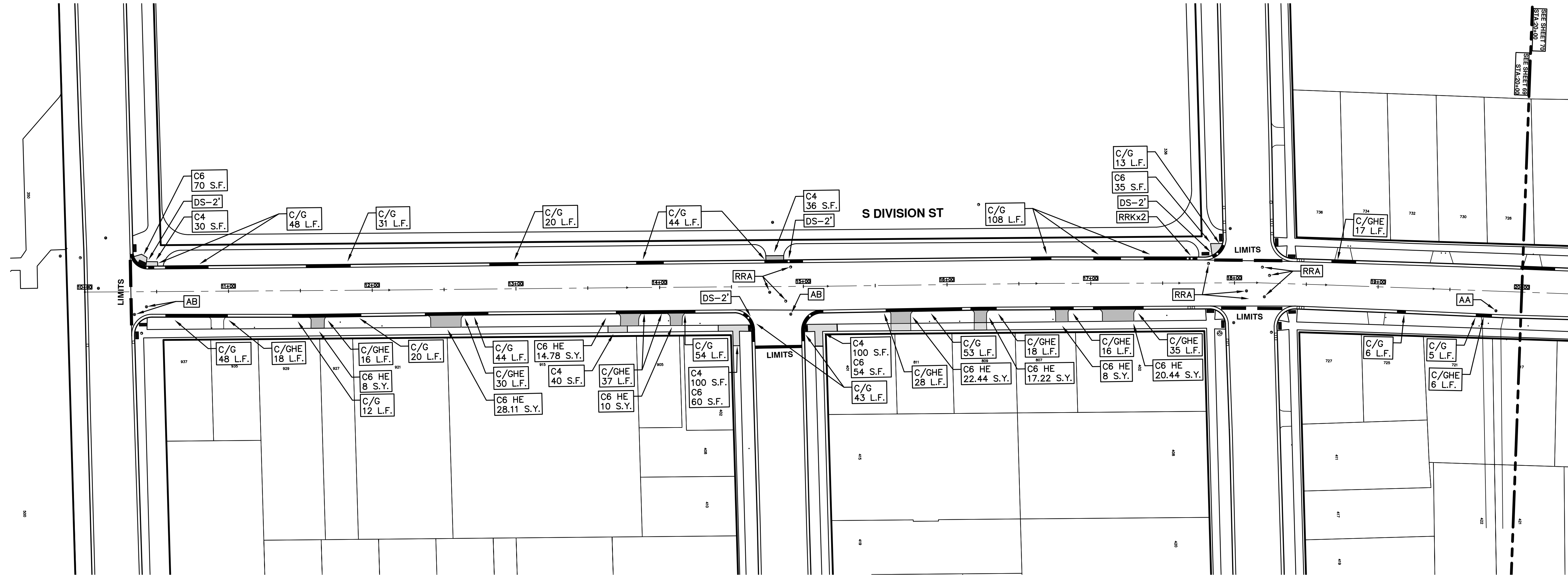
REV.	DATE	DESCRIPTION
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		DAD
		CHECKED
		DRAWN

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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
 STREET RESURFACING/RESTORATION PROJECT - 2019
 S. DIVISION STREET
 TRAFFIC CONTROL

SCALE PLAN: Custom
 DRAWING No. 2019004-69
 SHEET No. 69 OF 121

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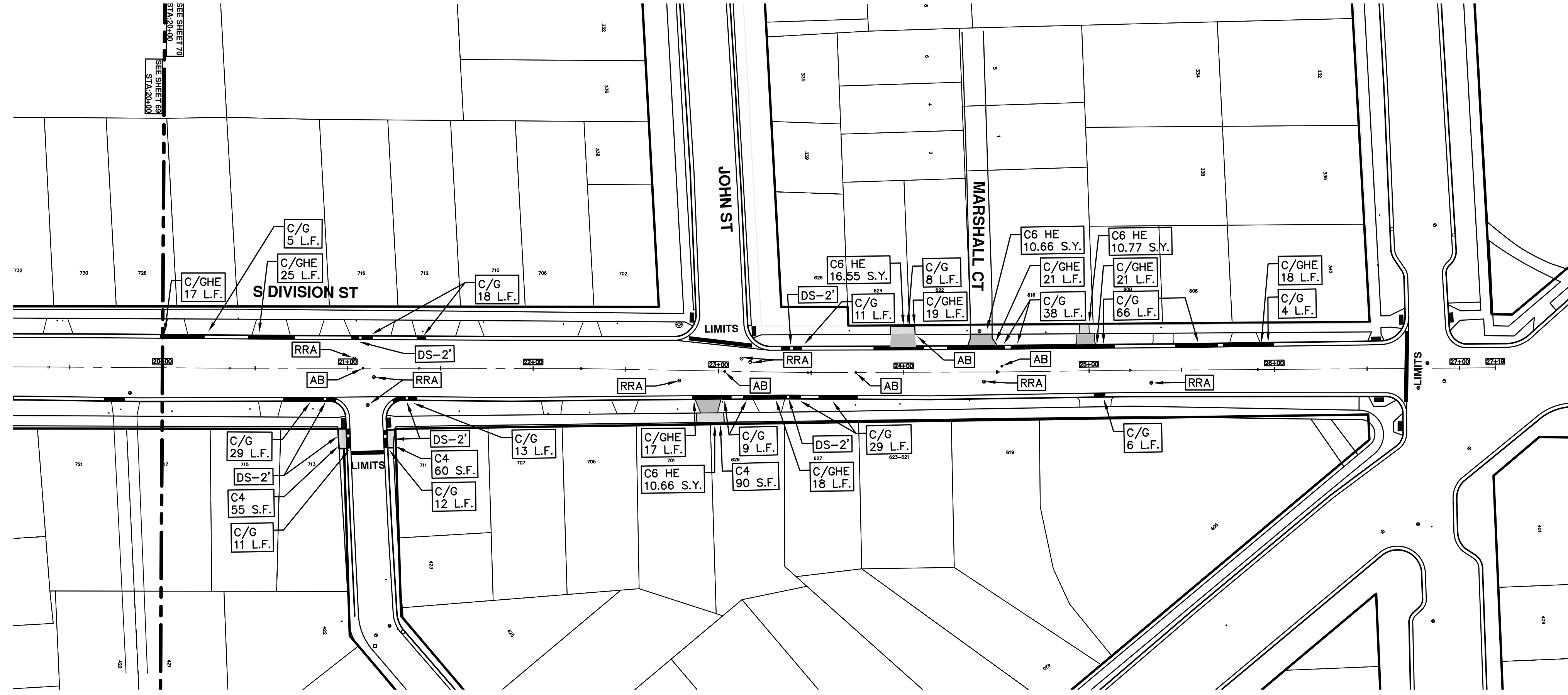
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 STREET RESURFACING/RESTORATION
 PROJECT - 2019
 S. DIVISION STREET
 STA. 10+00 - STA. 20+00
 SCALE PLAN: 1"=40'
 DRAWING No. 2019004-70
 SHEET No. 70 OF 121

CITY OF ANN ARBOR
 PUBLIC SERVICES
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REV.	DESCRIPTION
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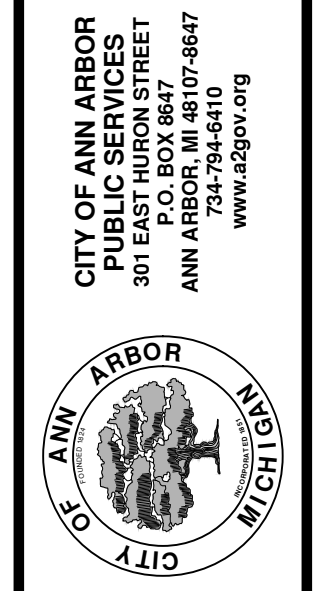
DATE	DESCRIPTION
03-13-2019	DATE

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 STREET RESURFACING/RESTORATION
 PROJECT - 2019
 S. DIVISION STREET
 STA. 20+00 - STA. 27+19
 SCALE PLAN: 1"=40'
 DRAWING No. 2019004-71
 SHEET No. 71 OF 121



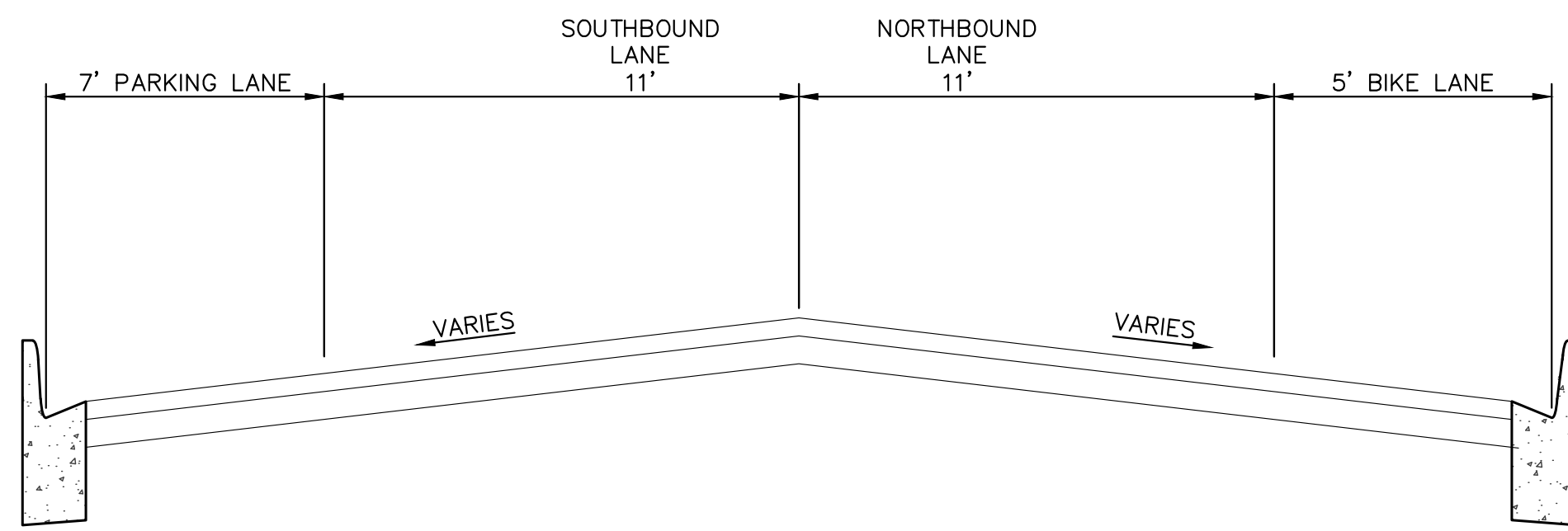
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REV.	DESCRIPTION	DATE	BY	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD



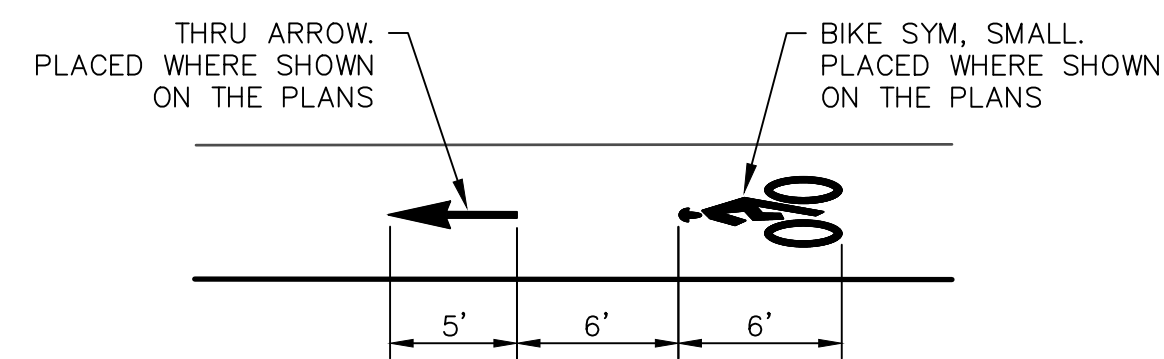
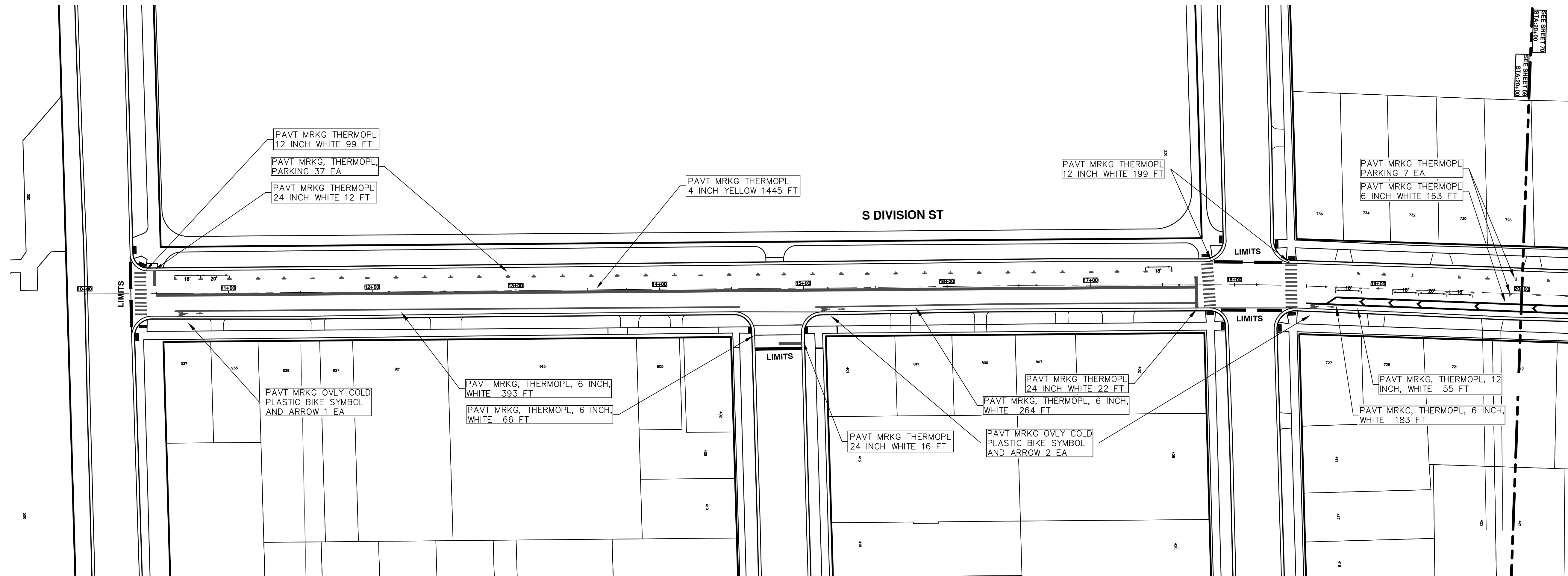
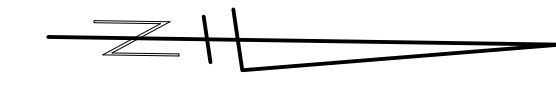
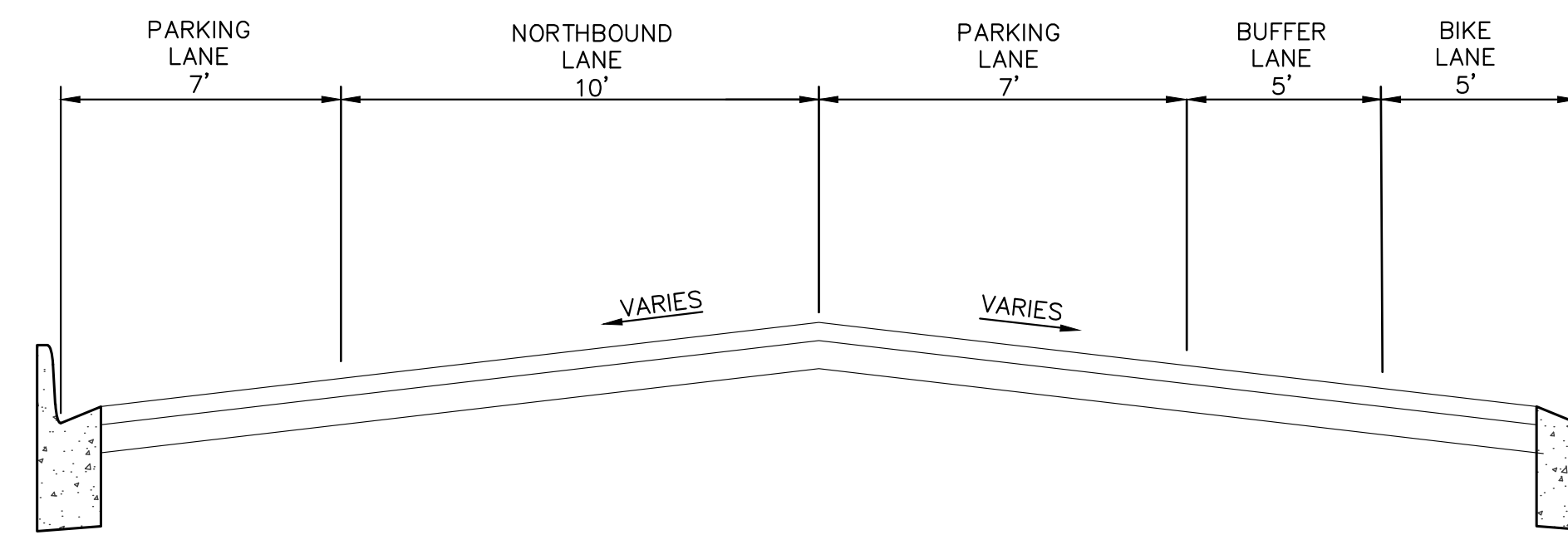
PAVT. MRKG LAYOUT AT S.DIVISION ST. STA. 10+50 to 17+75

NOTE: NOT TO SCALE

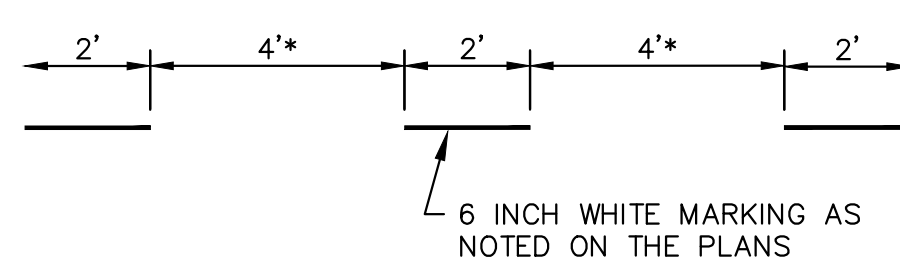


PAVT. MRKG LAYOUT AT S.DIVISION ST. STA. 18+50 TO 22+75

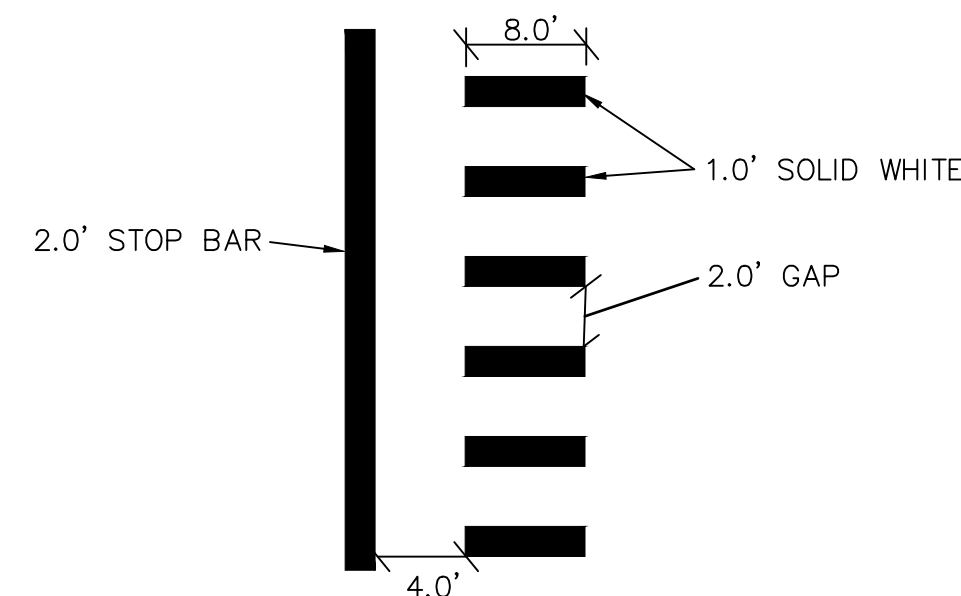
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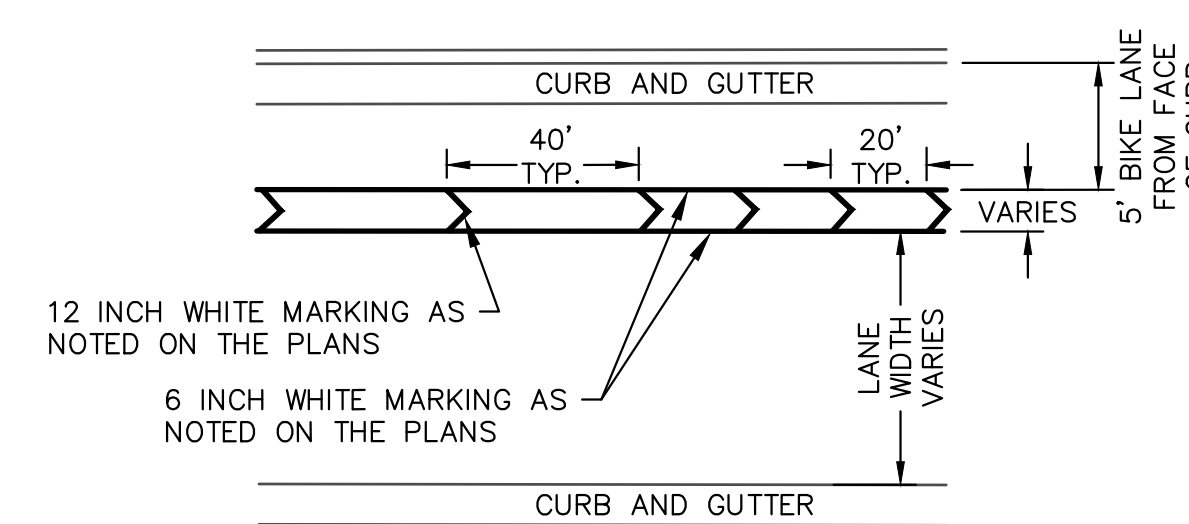
BIKE SYMBOL DETAIL



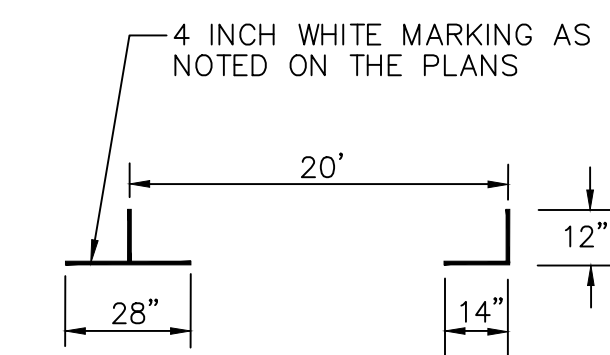
DOTTED LINE DETAIL



STOP BAR AND CROSSWALK DETAIL



BIKE LANE AND CHEVRON SPACING



PARKING DETAIL



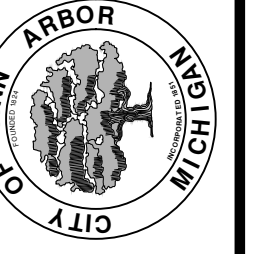
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REV.	DATE	DESCRIPTION
00	03-13-2019	PAVT MRKG LAYOUT
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STA. 10+00 - STA. 20+00 PAVMT MRKG

SCALE PLAN: ###
DRAWING No. 2019004-72

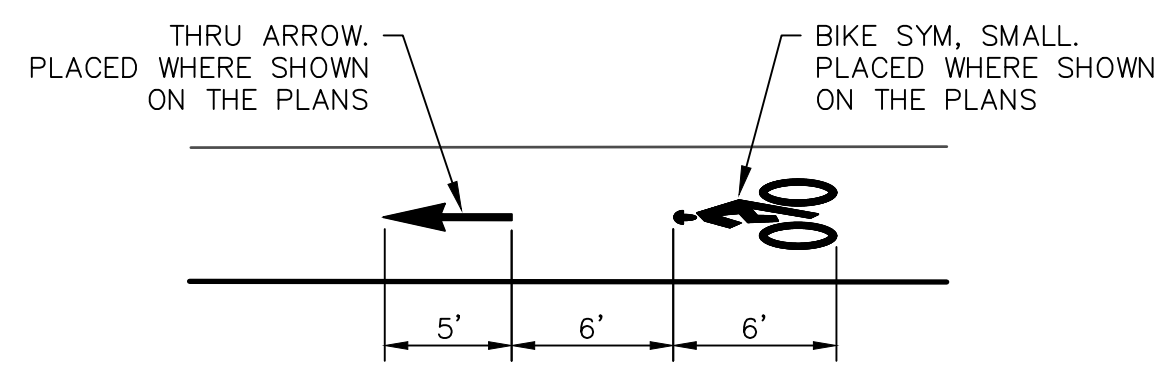
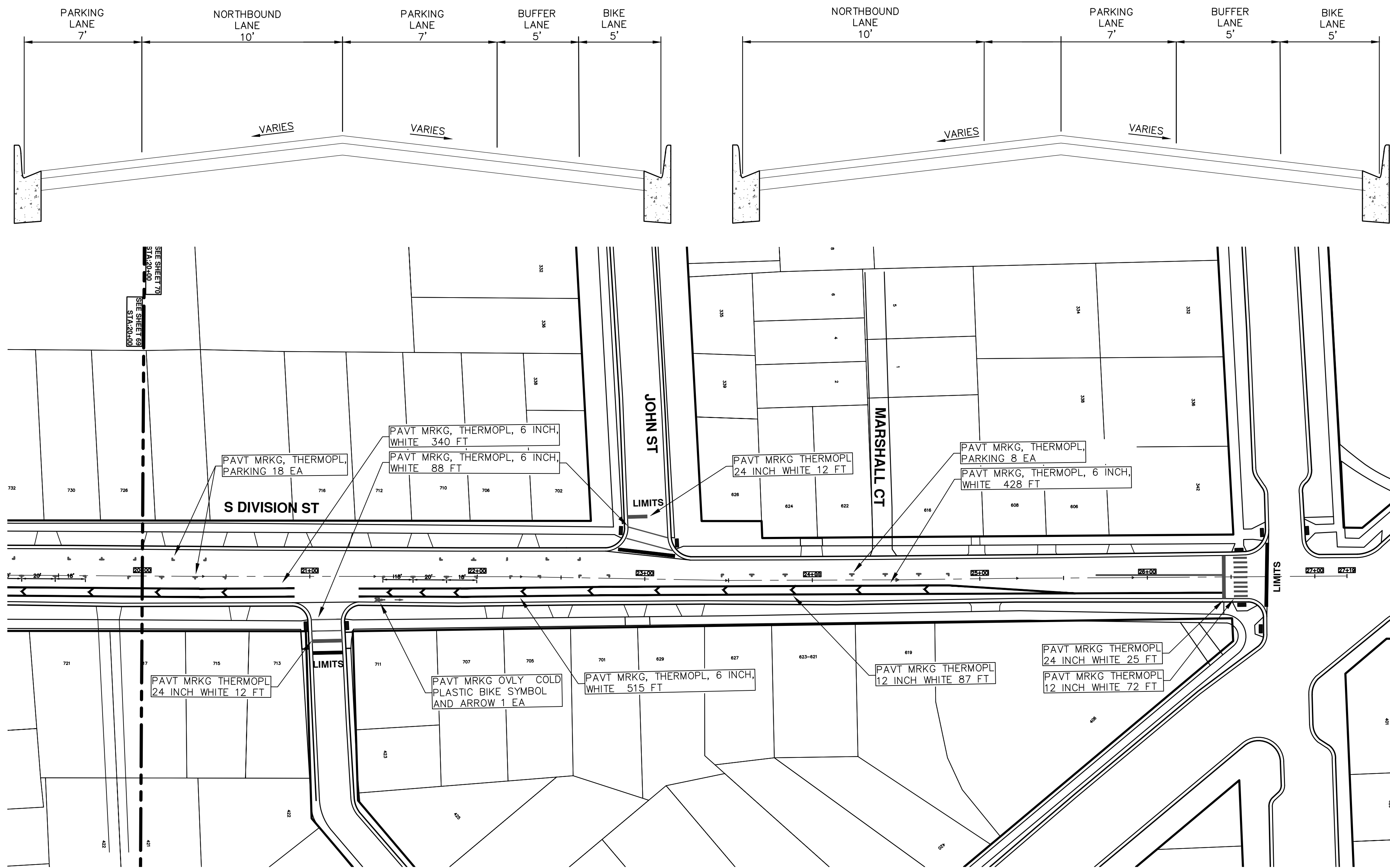
T:\2019004\Plan Production\Major Streets\STA. 20+00 - STA. 27+19 PAVMT MRKG.dwg Dwg Created: 14-Dec-18 - _a2 standard bw.stb - Plot Date: 13-Mar-19

PAVT. MRKG LAYOUT AT S.DIVISION ST. STA. 18+50 TO 22+75

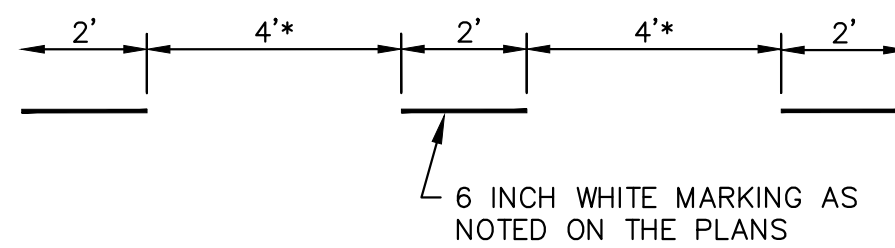
NOTE: NOT TO SCALE

PAVT. MRKG LAYOUT AT S.DIVISION ST. STA. 23+50 TO 24+80

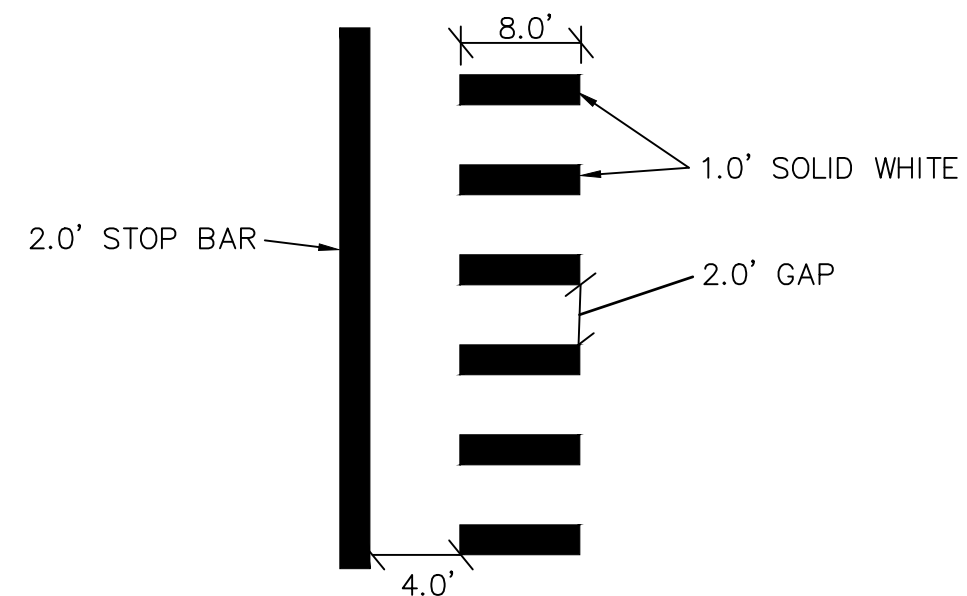
NOTE: NOT TO SCALE



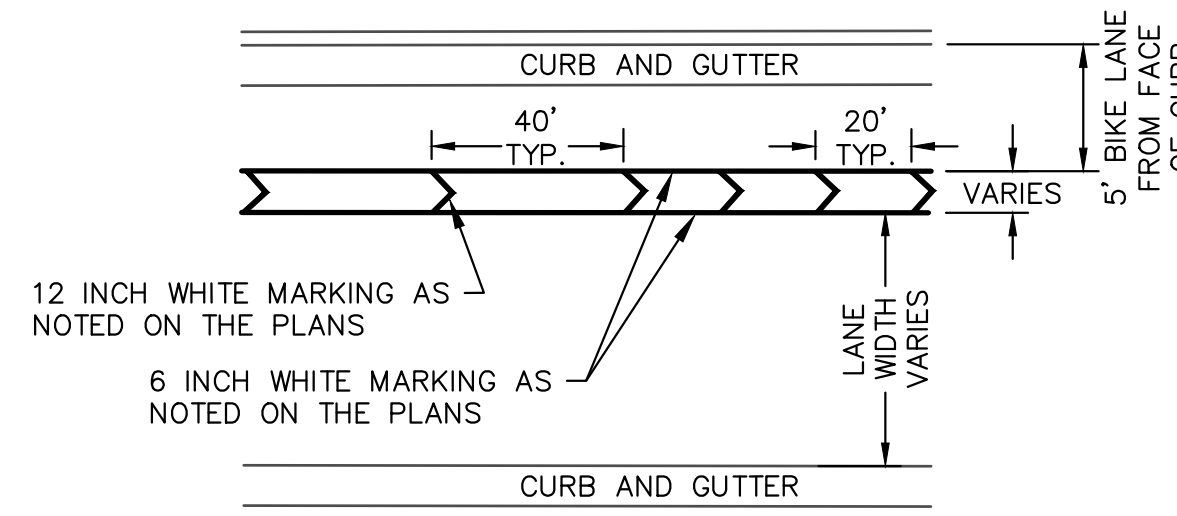
BIKE SYMBOL DETAIL



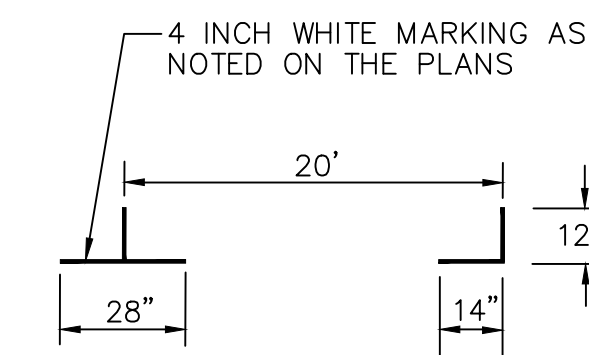
DOTTED LINE DETAIL



STOP BAR AND CROSSWALK DETAIL



BIKE LANE AND CHEVRON SPACING



PARKING DETAIL



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PROJECT - 2019
 S. DIVISION STREET
 STA. 20+00 - STA. 27+19 PAVMT MRKG

SCALE PLAN: ###
 DRAWING No. 2019004-73



CITY OF ANN ARBOR ENGINEERING PROJECT LOCATION: S STATE STREET

ITB No. 4570 FILE No. 2019004

CONSTRUCTION KEY	
KEY	ASSOCIATED PAY ITEM(S)
AA	<ul style="list-style-type: none"> _Dr Structure, Adj, Case 1, Modified _Dr Structure, Adj, Case 2, Modified _Dr Structure, Temp Lowering, Modified
AB	<ul style="list-style-type: none"> _Dr Structure, Temp Lowering, Modified _Gate Box, Adj, Case 1 _Gate Box, Adj, Case 2 Monument Box Adjust
ADST	<ul style="list-style-type: none"> _Dr Structure, Adj, Add Depth, Modified
AK	<ul style="list-style-type: none"> _Dr Structure, Adj, Case 1, Modified
C4	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk _Sidewalk, Conc, 4 inch, Modified
C4HE	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk Cement _Sidewalk, Conc, 4 inch, Modified
C6	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Sidewalk _Grading, Sidewalk Ramp _Detectable Warning Surface, Modified _Sidewalk Ramp, Conc, 6 inch, Modified _Sidewalk, Conc, 6 inch, Modified
C8	<ul style="list-style-type: none"> _Grading, Driveway Approach _Driveway, Nonreinf Conc, 8 inch, Modified
C HE	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem _Grading, Driveway Approach _Grading, Sidewalk _Grading, Sidewalk Ramp Cement _Driveway, Nonreinf Conc, 6 inch, Modified _Driveway, Nonreinf Conc, 8 inch, Modified _Detectable Warning Surface, Modified _Sidewalk Ramp, Conc, 6 inch, Modified _Sidewalk, Conc, 6 inch, Modified
C/G	<ul style="list-style-type: none"> _Curb, Gutter, and Curb and Gutter, Any Type, Rem _Curb and Gutter, Conc
C/GHE	<ul style="list-style-type: none"> _Curb, Gutter, and Curb and Gutter, Any Type, Rem Cement _Driveway Opening, Conc, Det M, Modified
CP	<ul style="list-style-type: none"> _Grading, Sidewalk _Sidewalk, Conc, 4 inch, Modified
CR	<ul style="list-style-type: none"> _Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem
DS	<ul style="list-style-type: none"> Dr Structure, Rem Sewer, Rem, Less than 24 inch Dr Structure, 24 inch dia
DSDI	<ul style="list-style-type: none"> Dr Structure, Rem Sewer, Rem, Less than 24 inch _Dr Structure, Double Inlet
PT	<ul style="list-style-type: none"> _Dr Structure, Point
RRA	<ul style="list-style-type: none"> Dr Structure Cover, Type B _Dr Structure Cover, Type B, Special _Dr Structure, Adj, Case 1, Modified _Dr Structure, Temp Lowering, Modified
RRK	<ul style="list-style-type: none"> Dr Structure Cover, Type K _Dr Structure, Adj, Case 1, Modified
RS	<ul style="list-style-type: none"> _Dr Structure, Reconstruct
TYPE II	<ul style="list-style-type: none"> Plastic Drum, High Intensity, Lighted, Furn Plastic Drum, High Intensity, Lighted, Oper
TYPE III	<ul style="list-style-type: none"> Barricade, Type III, High Intensity, Double Sided, Lighted, Furn Barricade, Type III, High Intensity, Double Sided, Lighted, Oper

NOTES

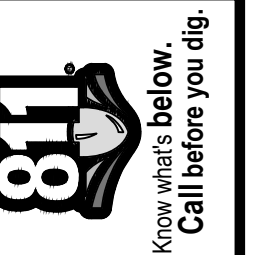
FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY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

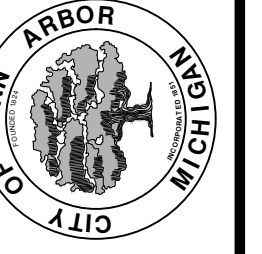


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STREET RESURFACING/RESTORATION
PROJECT - 2019
S STATE STREET
SUBSET COVER SHEET

SCALE
DRAWING No.
2019004-74
SHEET No.
74 OF 121

T:\2019004\Plan Production\Major Streets\2019004 - S.State Street.dwg Dwg Created: 14-Dec-18 - _g2 standard bw.stb - Plot Date: 13-Mar-19



TRAFFIC CONTROL SIGN		
TAG	SIGN	NUM.
①		D3-1 M4-9S 30x24
②		D3-1 M4-9R 30x24
③		D3-1 M4-9L 30x24
⑥		D3-1 M4-8a 24x18
⑦		R11-4 60x30
⑧		SPECIAL 48x60
⑨		SPECIAL 48x60
⑩		
⑪		
⑫		
⑬		R11-4 60x30



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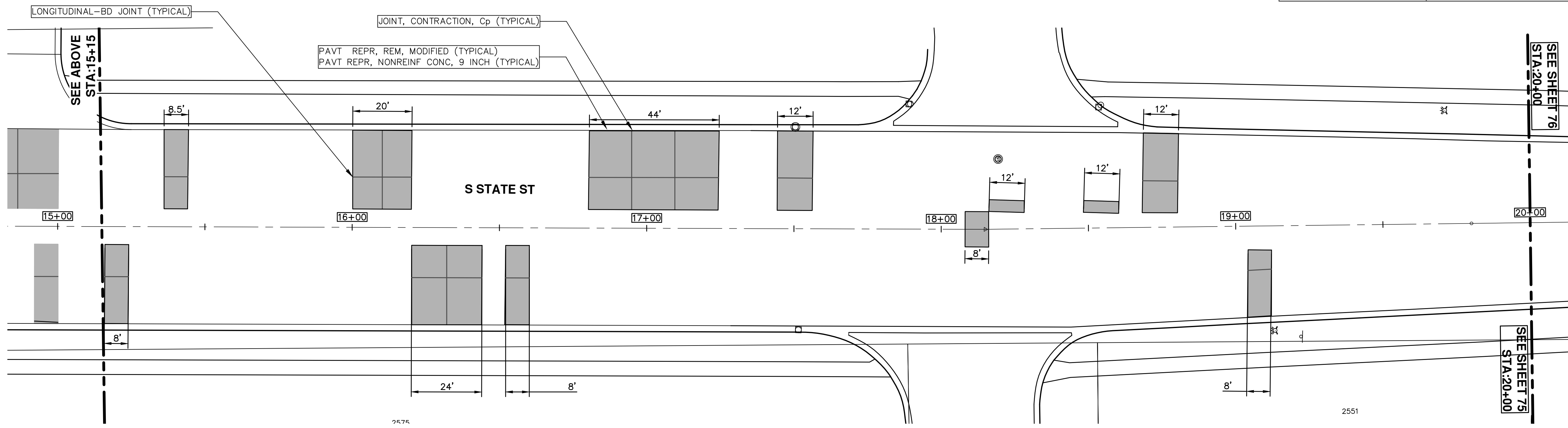
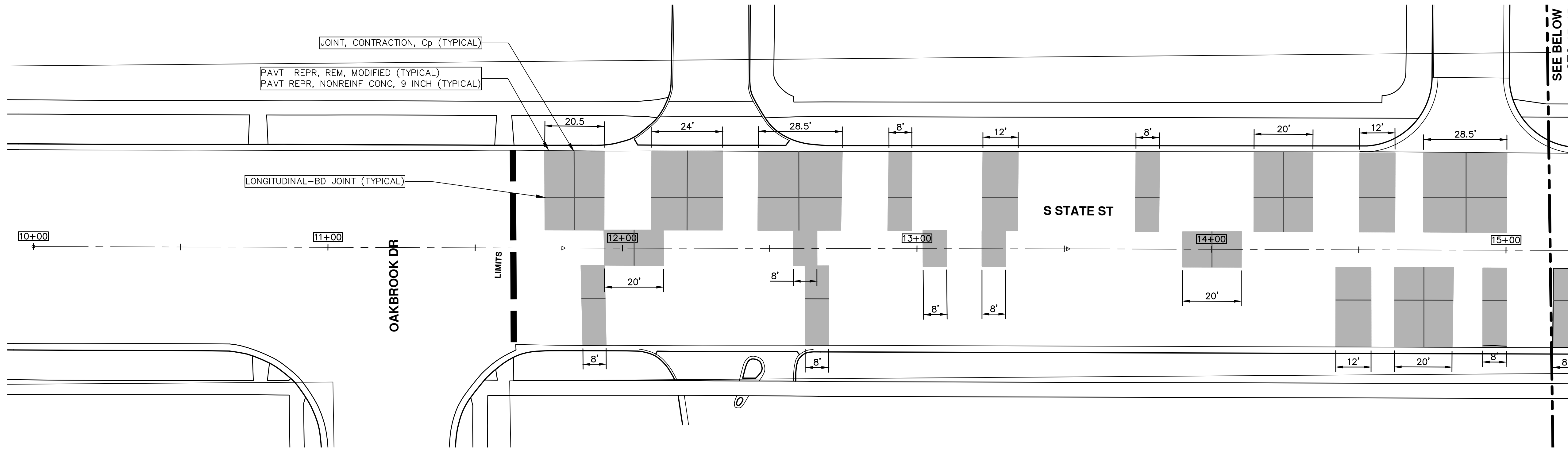
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PROJECT - 2019
 S STATE STREET
 DETOUR PLAN

SCALE PLAN: 1" = 500'
 DRAWING No. 2019004-75

T:\2019004\Plan Production\Major Streets\2019004 - S.State Street.dwg Dwg Created: 14-Dec-18 - _a2 standard bw.stb - Plot Date: 13-Mar-19



QUANTITIES	
ITEM	SHEET TOTALS
PVT REPR, REM, MODIFIED	1178.27 SYD
PAVT REPR NONREINF CONC, 9 INCH	1178.27 SYD
JOINT, CONTRACTION, Cp	293.00 FT



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STREET RESURFACING/RESTORATION
PROJECT - 2019
 S STATE STREET
 STA. 10+00 - STA. 20+00

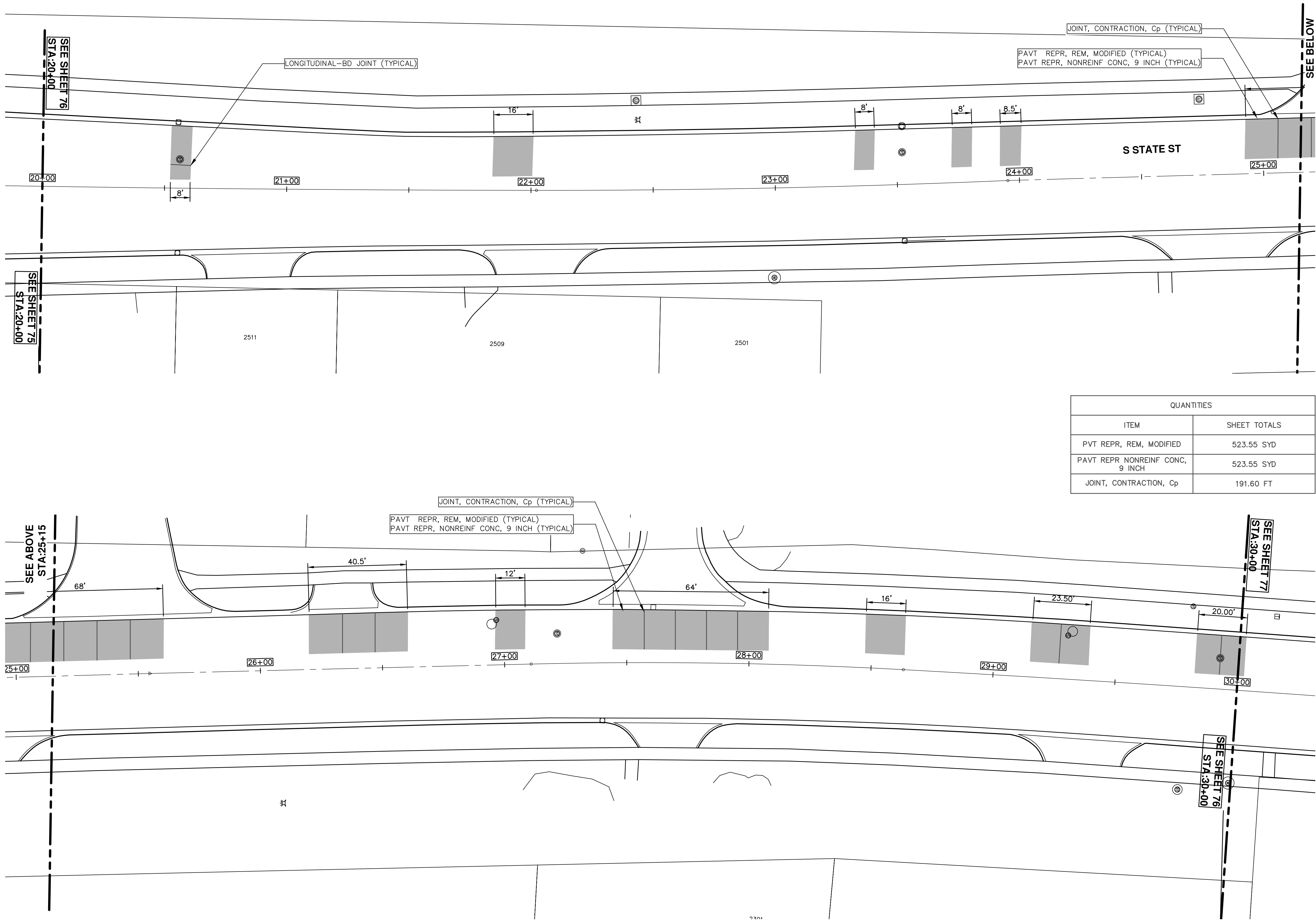
SCALE PLAN: 1" = 20'
 DRAWING No. 2019004-76
 SHEET No. 76 OF 121

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QUANTITIES	
ITEM	SHEET TOTALS
PVT REPR, REM, MODIFIED	523.55 SYD
PAVT REPR NONREINF CONC, 9 INCH	523.55 SYD
JOINT, CONTRACTION, Cp	191.60 FT

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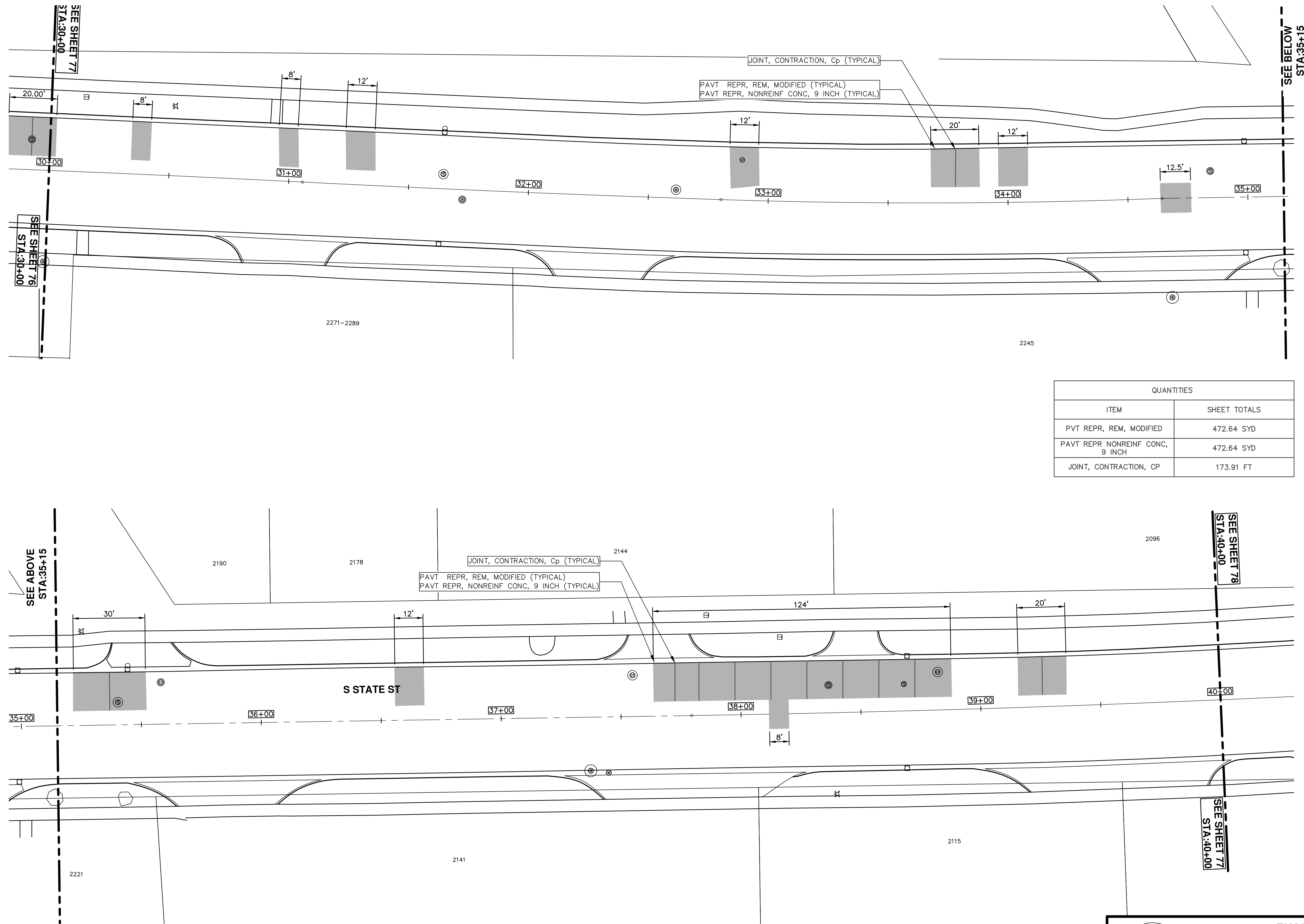
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DRAWING No. 2019004-77

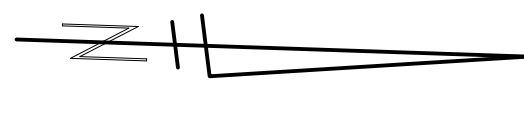
SHEET No. 77 OF 121

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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QUANTITIES	
ITEM	SHEET TOTALS
PVT REPR, REM, MODIFIED	472.64 SYD
PAVT REPR NONREINF CONC, 9 INCH	472.64 SYD
JOINT, CONTRACTION, CP	173.91 FT



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PROJECT - 2019
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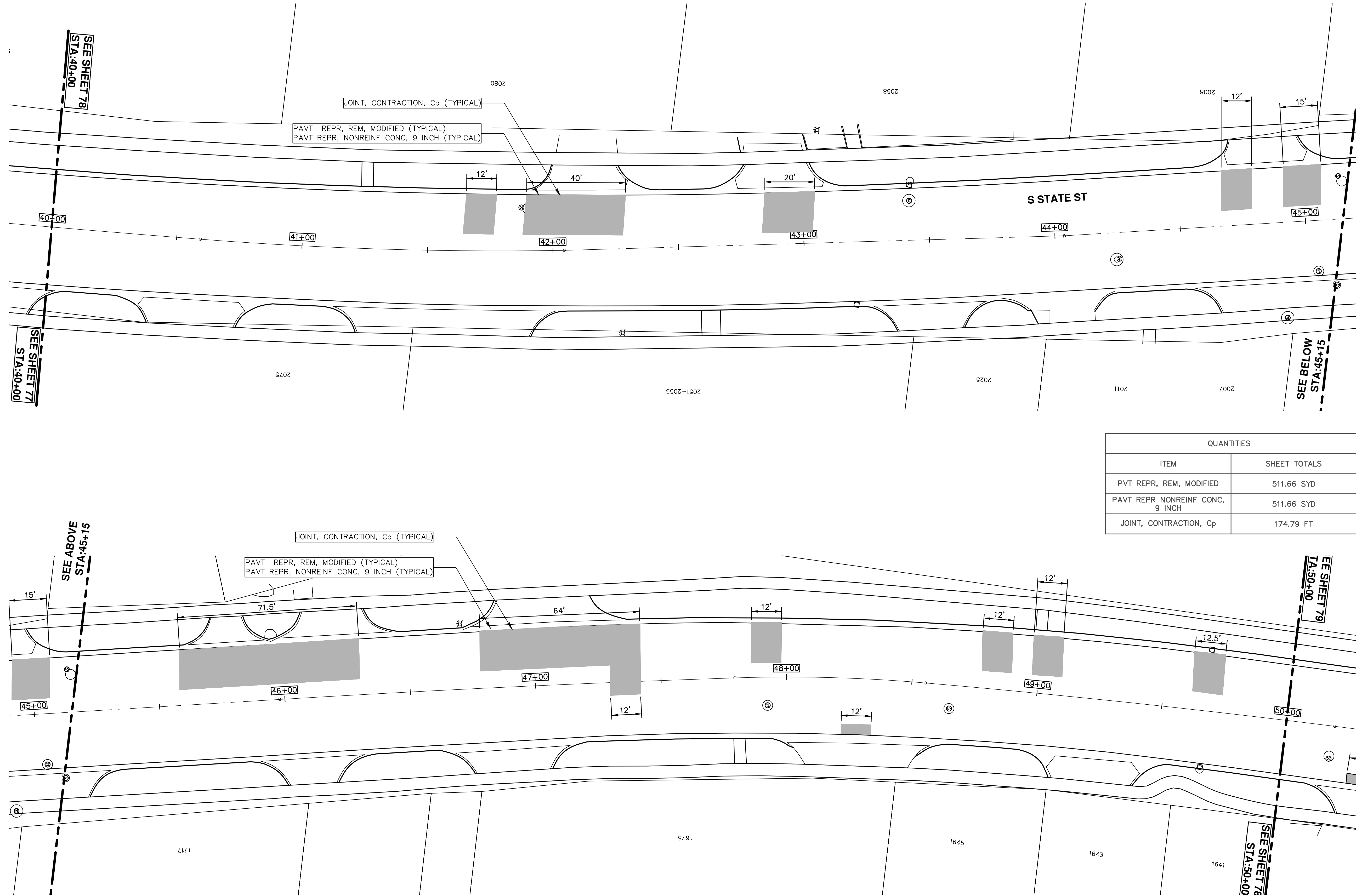
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SCALE PLAN: 1" = 20'
 DRAWING No. 2019004-78
 SHEET No. 78 OF 121

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QUANTITIES	
ITEM	SHEET TOTALS
PVT REPR, REM, MODIFIED	511.66 SYD
PAVT REPR NONREINF CONC, 9 INCH	511.66 SYD
JOINT, CONTRACTION, Cp	174.79 FT



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 STA. 40+00 - STA. 50+00

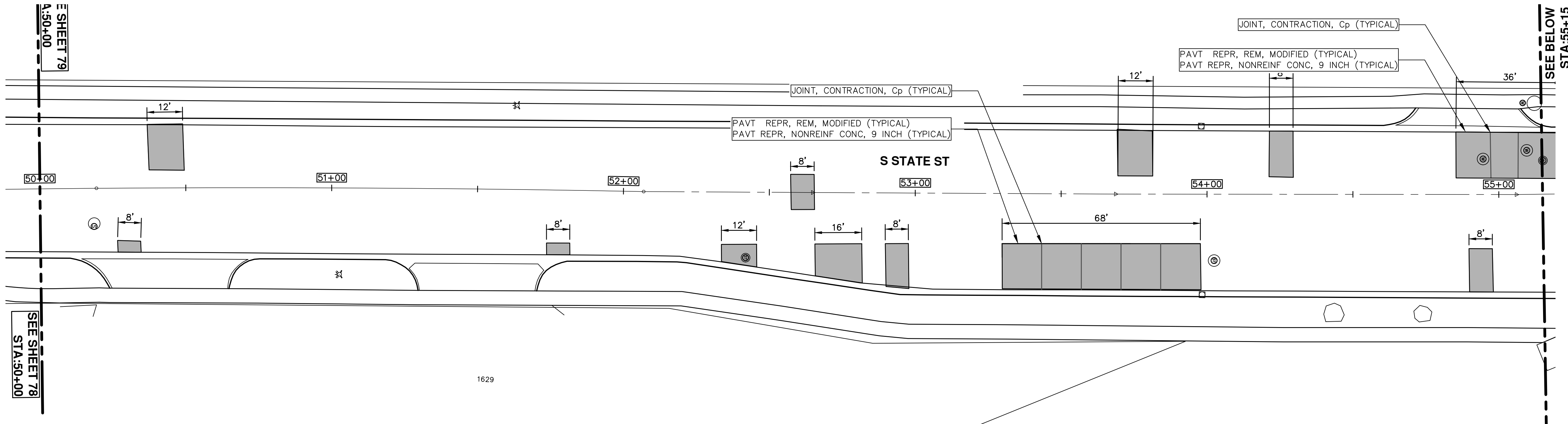
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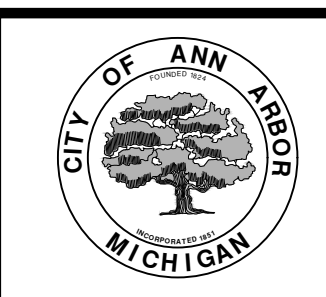
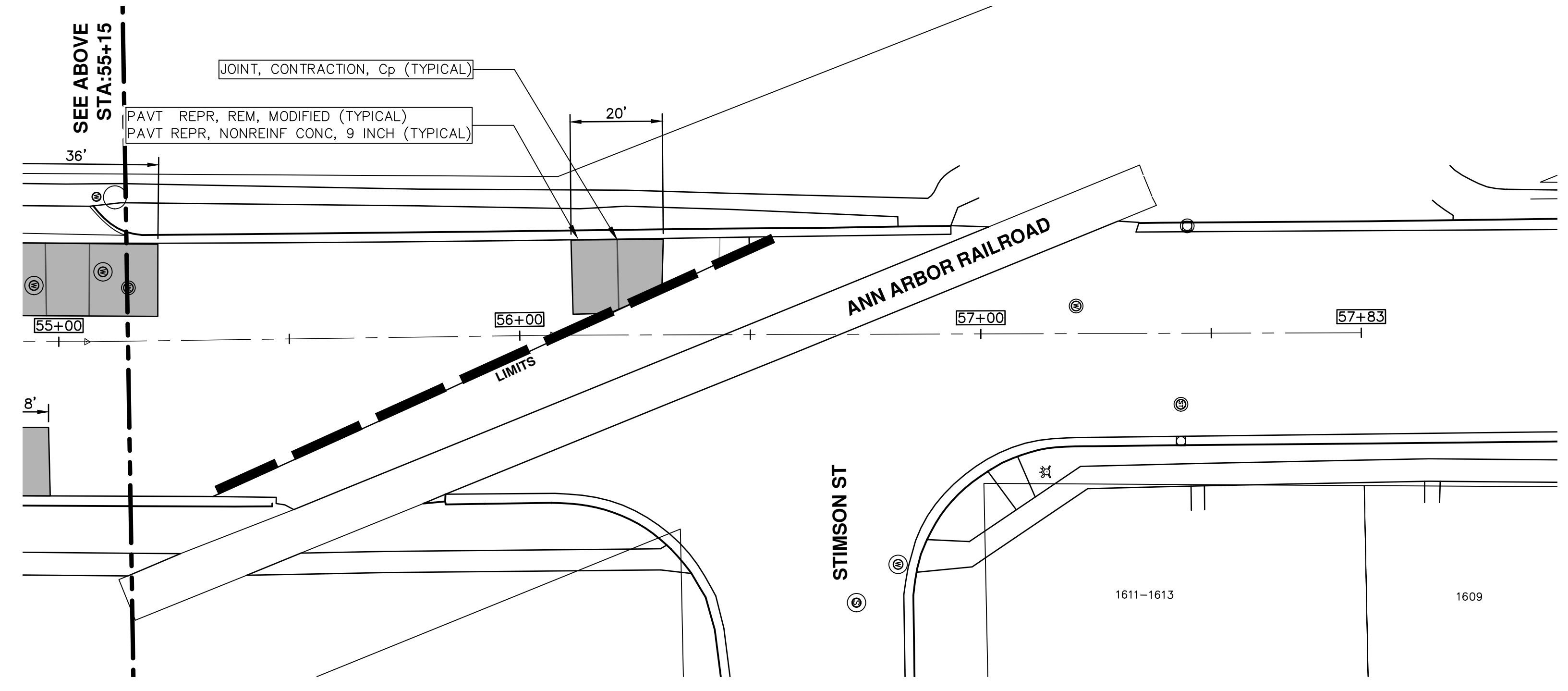
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SCALE PLAN: 1" = 20'
 DRAWING No. 2019004-79
 SHEET No. 79 OF 121

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QUANTITIES	
ITEM	SHEET TOTALS
PVT REPR, REM, MODIFIED	344.90 SYD
PAVT REPR NONREINF CONC, 9 INCH	344.90 SYD
JOINT, CONTRACTION, Cp	83.96 FT



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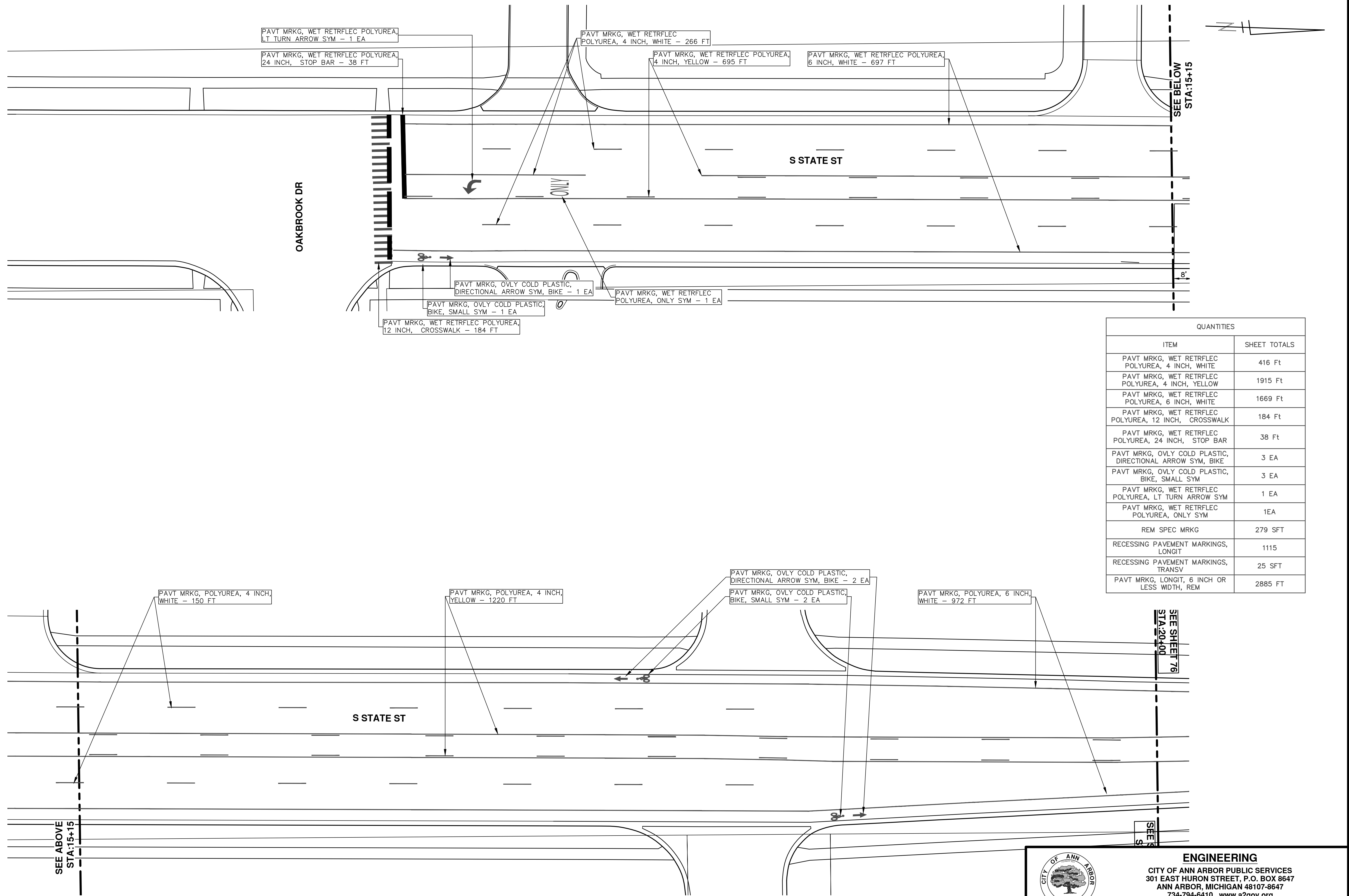
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 STA. 50+00 - STA. 57+83

SCALE PLAN: 1" = 20'
 DRAWING No. 2019004-80
 SHEET No. 80 OF 121

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QUANTITIES	
ITEM	SHEET TOTALS
PAVT MRKG, WET RETRFLEC POLYUREA, 4 INCH, WHITE	416 Ft
PAVT MRKG, WET RETRFLEC POLYUREA, 4 INCH, YELLOW	1915 Ft
PAVT MRKG, WET RETRFLEC POLYUREA, 6 INCH, WHITE	1669 Ft
PAVT MRKG, WET RETRFLEC POLYUREA, 12 INCH, CROSSWALK	184 Ft
PAVT MRKG, WET RETRFLEC POLYUREA, 24 INCH, STOP BAR	38 Ft
PAVT MRKG, OVLY COLD PLASTIC, DIRECTIONAL ARROW SYM, BIKE	3 EA
PAVT MRKG, OVLY COLD PLASTIC, BIKE, SMALL SYM	3 EA
PAVT MRKG, WET RETRFLEC POLYUREA, LT TURN ARROW SYM	1 EA
PAVT MRKG, WET RETRFLEC POLYUREA, ONLY SYM	1EA
REM SPEC MRKG	279 SFT
RECESSING PAVEMENT MARKINGS, LONGIT	1115
RECESSING PAVEMENT MARKINGS, TRANSV	25 SFT
PAVT MRKG, LONGIT, 6 INCH OR LESS WIDTH, REM	2885 FT



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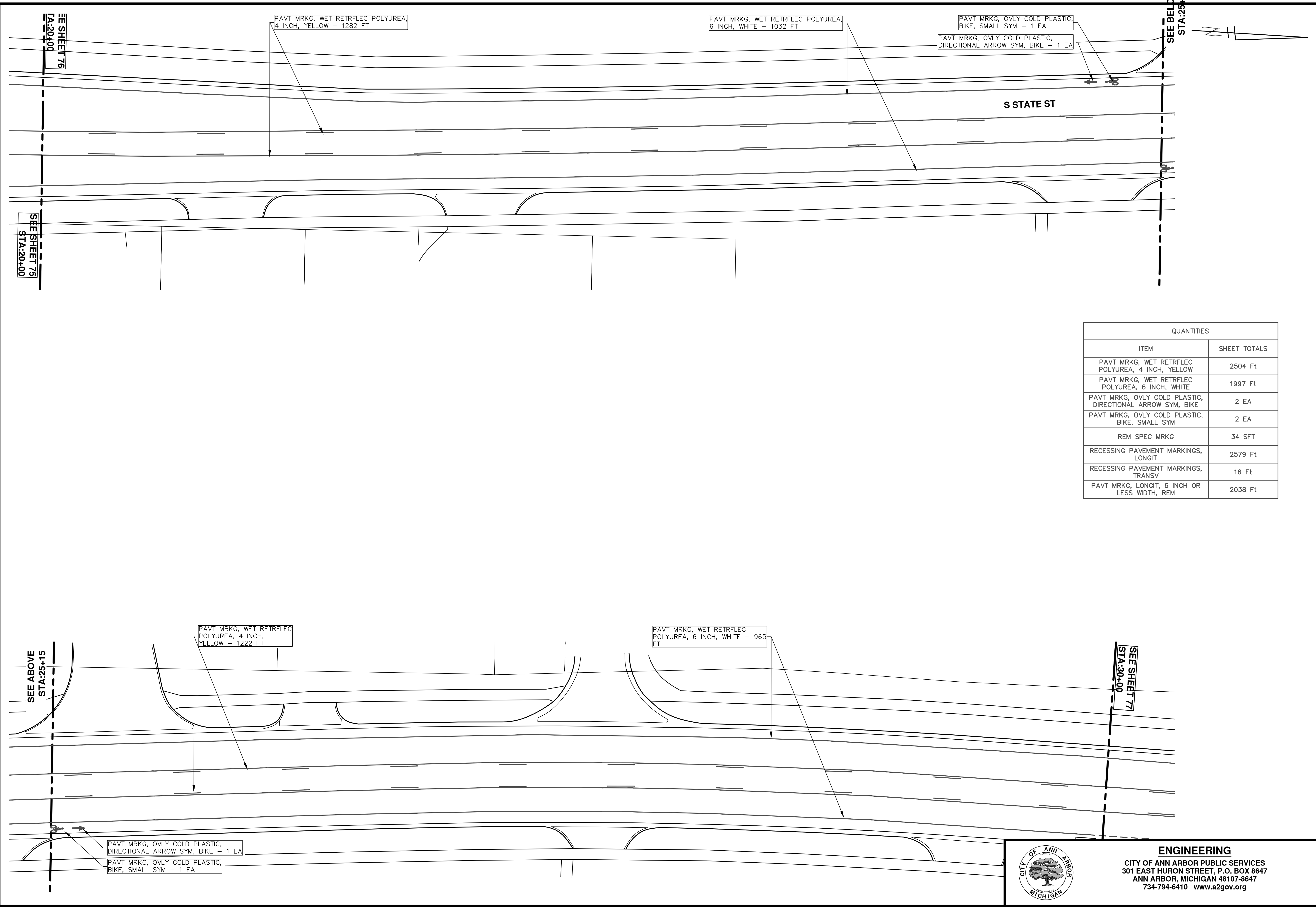
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SCALE PLAN: 1" = 20'
 DRAWING No. 2019004-81
 SHEET No. 81 OF 121

T:\2019004\Plan Production\Major Streets\2019004 - S.State Street.dwg Dwg Created: 14-Dec-18 - _a2 standard bw.stb - Plot Date: 13-Mar-19



SEE SHEET 76
STA:20+00

SEE SHEET 75
STA:20+00

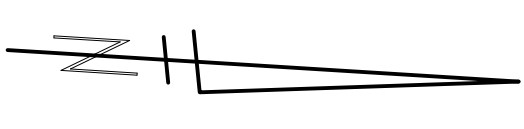
PAVT MRKG, WET RETRFLEC POLYUREA,
4 INCH, YELLOW - 1282 FT

PAVT MRKG, WET RETRFLEC POLYUREA,
6 INCH, WHITE - 1032 FT

PAVT MRKG, OVLY COLD PLASTIC,
BIKE, SMALL SYM - 1 EA
PAVT MRKG, OVLY COLD PLASTIC,
DIRECTIONAL ARROW SYM, BIKE - 1 EA

SEE BELOW
STA:25+15

S STATE ST



SEE ABOVE
STA:25+15

PAVT MRKG, WET RETRFLEC
POLYUREA, 4 INCH,
YELLOW - 1222 FT

PAVT MRKG, WET RETRFLEC
POLYUREA, 6 INCH, WHITE - 965
FT

SEE SHEET 77
STA:30+00

PAVT MRKG, OVLY COLD PLASTIC,
DIRECTIONAL ARROW SYM, BIKE - 1 EA
PAVT MRKG, OVLY COLD PLASTIC,
BIKE, SMALL SYM - 1 EA

QUANTITIES	
ITEM	SHEET TOTALS
PAVT MRKG, WET RETRFLEC POLYUREA, 4 INCH, YELLOW	2504 Ft
PAVT MRKG, WET RETRFLEC POLYUREA, 6 INCH, WHITE	1997 Ft
PAVT MRKG, OVLY COLD PLASTIC, DIRECTIONAL ARROW SYM, BIKE	2 EA
PAVT MRKG, OVLY COLD PLASTIC, BIKE, SMALL SYM	2 EA
REM SPEC MRKG	34 SFT
RECESSING PAVEMENT MARKINGS, LONGIT	2579 Ft
RECESSING PAVEMENT MARKINGS, TRANSV	16 Ft
PAVT MRKG, LONGIT, 6 INCH OR LESS WIDTH, REM	2038 Ft



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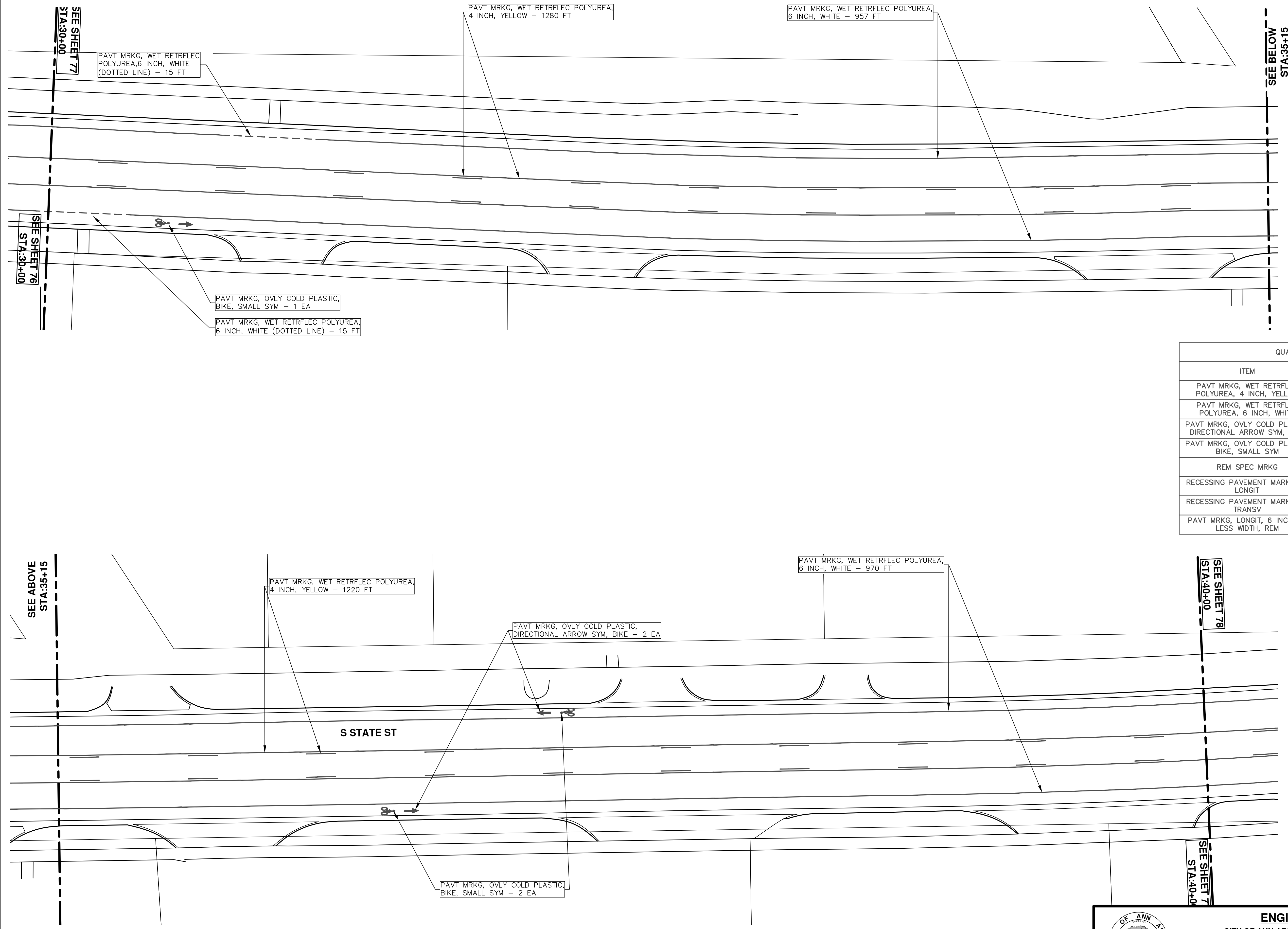
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PROJECT - 2019
S STATE STREET
STA. 20+00 - STA. 30+00 PVT MRKG

SCALE PLAN: 1" = 20'
DRAWING No. 2019004-82
SHEET No. 82 OF 121

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SEE BELOW
STA:35+15

QUANTITIES	
ITEM	SHEET TOTALS
PAVT MRKG, WET RETRFLEC POLYUREA, 4 INCH, YELLOW	2500 Ft
PAVT MRKG, WET RETRFLEC POLYUREA, 6 INCH, WHITE	1957 Ft
PAVT MRKG, OVLY COLD PLASTIC, DIRECTIONAL ARROW SYM, BIKE	3 EA
PAVT MRKG, OVLY COLD PLASTIC, BIKE, SMALL SYM	3 EA
REM SPEC MRKG	50 SFT
RECESSING PAVEMENT MARKINGS, LONGIT	2523 Ft
RECESSING PAVEMENT MARKINGS, TRANSV	25 FT
PAVT MRKG, LONGIT, 6 INCH OR LESS WIDTH, REM	1934 Ft

SEE ABOVE
STA:35+15

S STATE ST

SEE SHEET 78
STA:40+00

SEE SHEET 7
STA:40+00



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STREET RESURFACING/RESTORATION
PROJECT - 2019
S STATE STREET
STA. 30+00 - STA. 40+00 PVT MRKG

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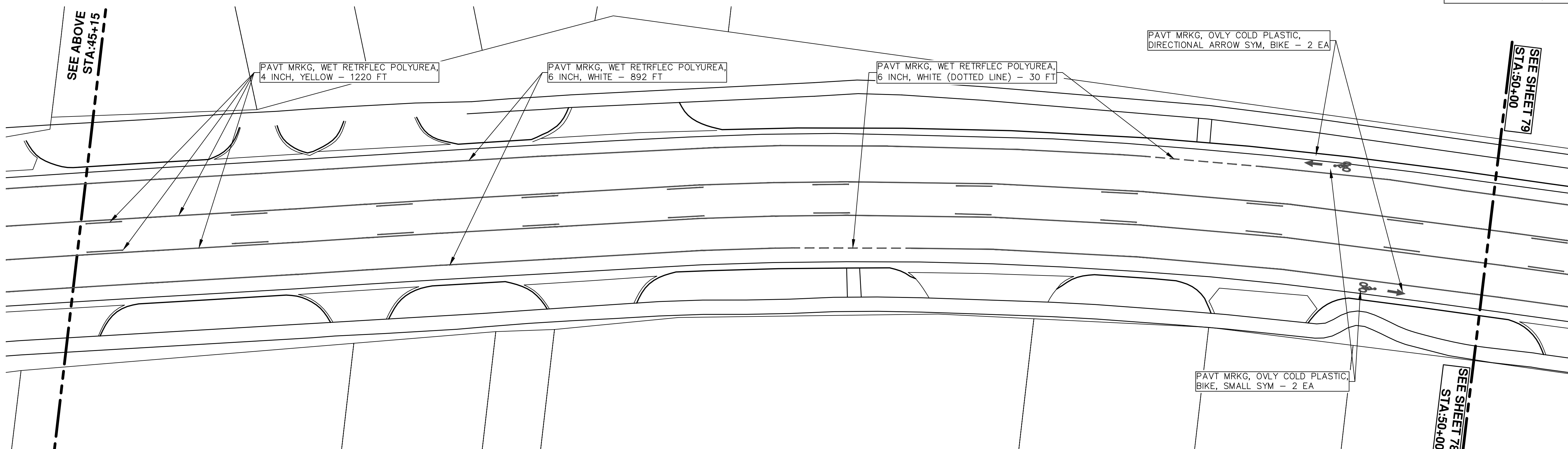
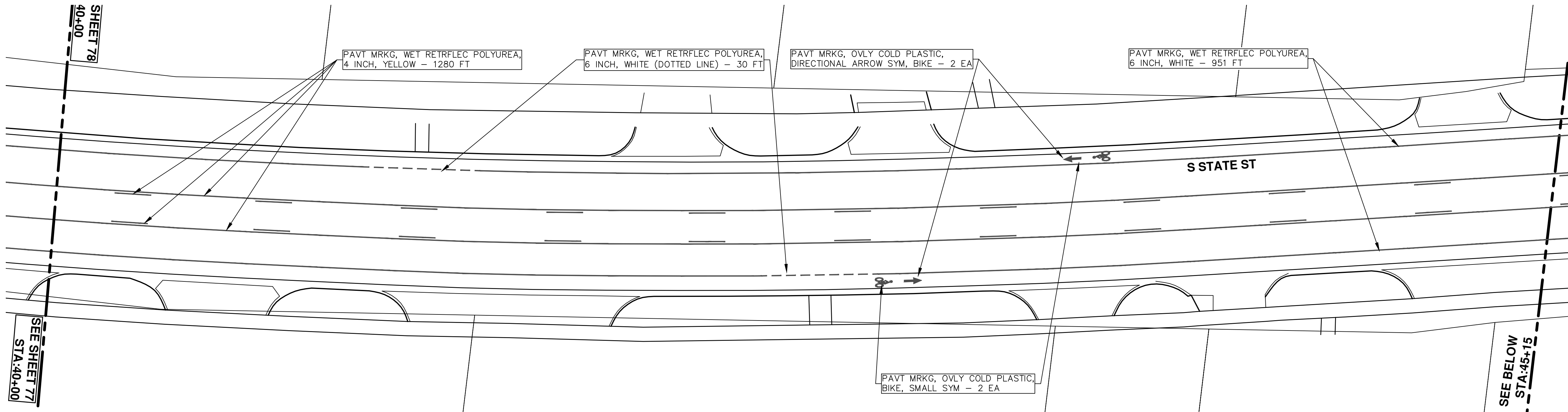
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00	BID SET	03-13-2019	AH.GS.CE	DAD

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SCALE PLAN: 1" = 20'
DRAWING No. 2019004-83

SHEET No. 83 OF 121

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QUANTITIES	
ITEM	SHEET TOTALS
PAVT MRKG, WET RETRFLEC POLYUREA, 4 INCH, YELLOW	2500 Ft
PAVT MRKG, WET RETRFLEC POLYUREA, 6 INCH, WHITE	1903 Ft
PAVT MRKG, OVLY COLD PLASTIC, DIRECTIONAL ARROW SYM, BIKE	4 EA
PAVT MRKG, OVLY COLD PLASTIC, BIKE, SMALL SYM	4 EA
REM SPEC MRKG	100 SFT
RECESSING PAVEMENT MARKINGS, LONGIT	2640 Ft
PAVT MRKG, LONGIT, 6 INCH OR LESS WIDTH, REM	1783 Ft



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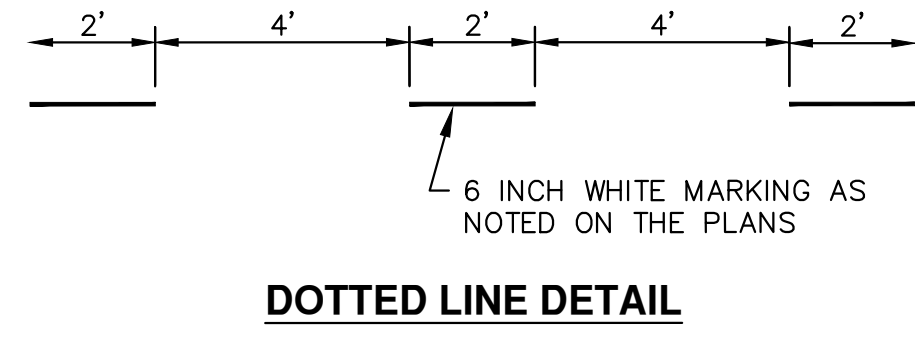
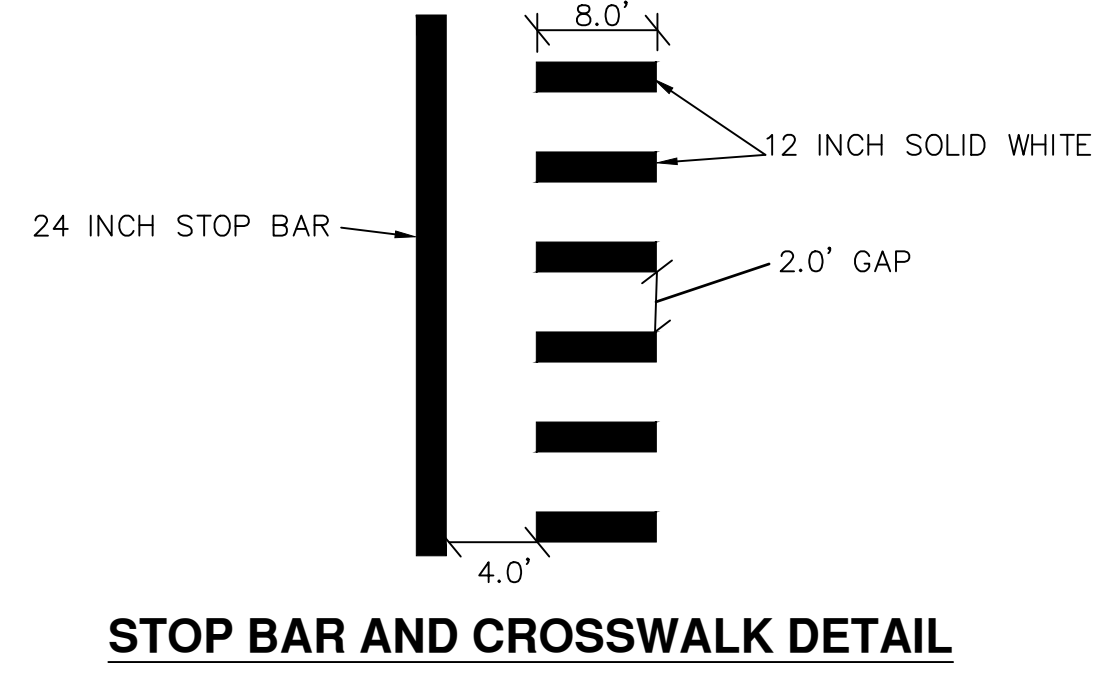
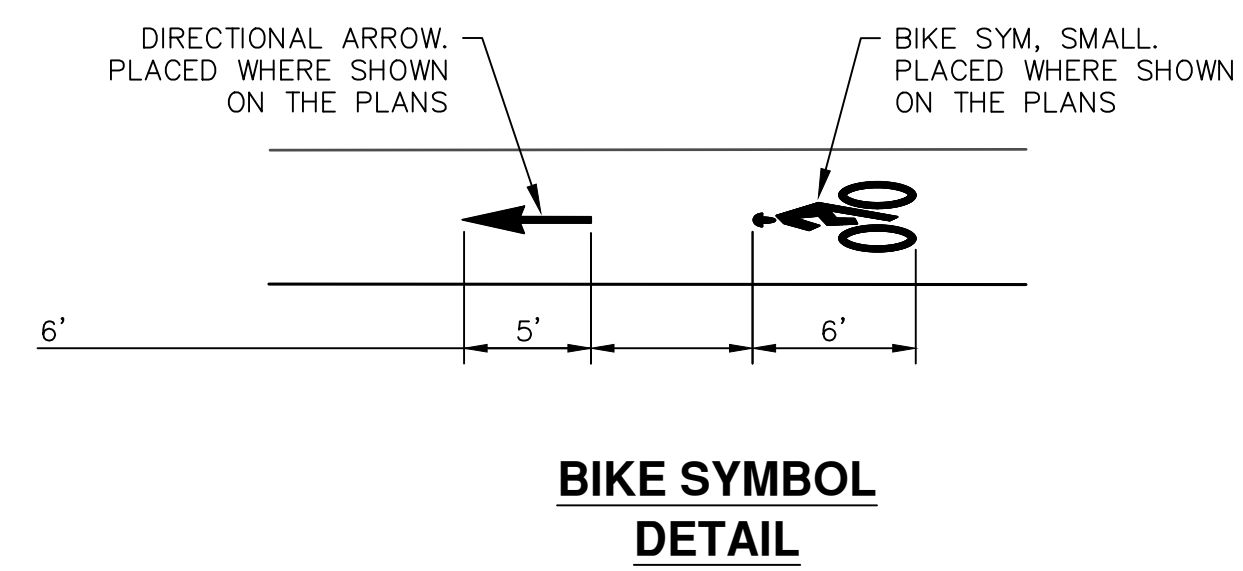
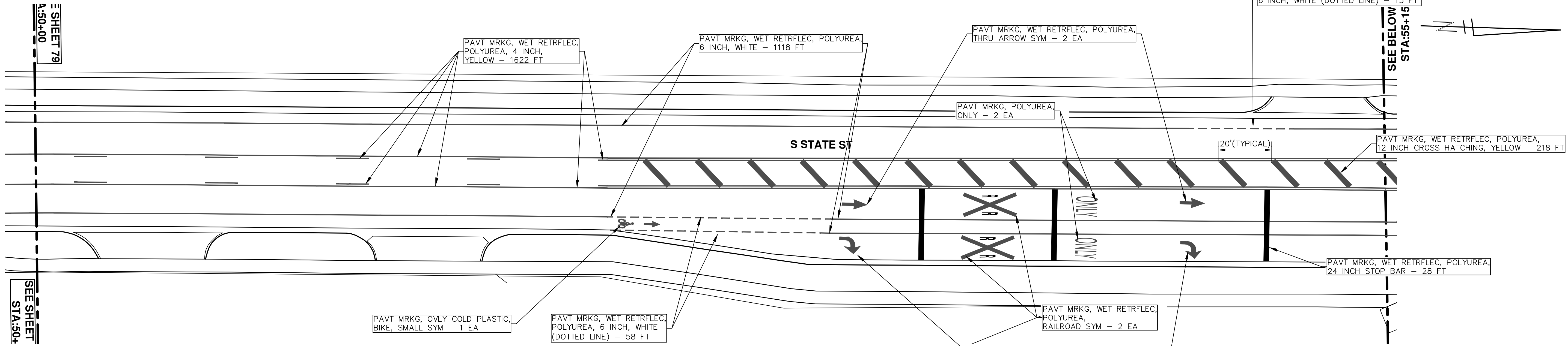


REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

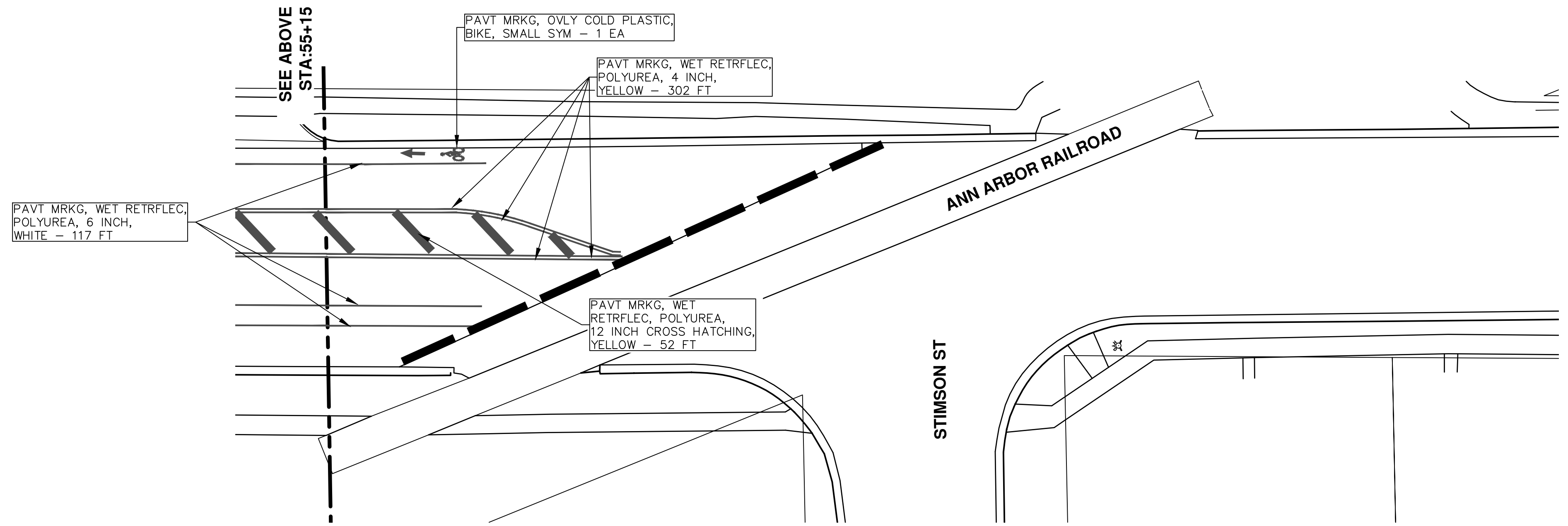
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STREET RESURFACING/RESTORATION
PROJECT - 2019
 S STATE STREET
 STA. 40+00 - STA. 50+00 PVT MRKG

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QUANTITIES	
ITEM	SHEET TOTALS
PAVT MRKG, WET RETRFLEC, POLYUREA, 4 INCH, YELLOW	1924 Ft
PAVT MRKG, WET RETRFLEC, POLYUREA, 6 INCH, WHITE	1293 Ft
PAVT MRKG, WET RETRFLEC, POLYUREA, 12 INCH CROSS HATCHING, YELLOW	270 Ft
PAVT MRKG, WET RETRFLEC, POLYUREA, 24 INCH, STOP BAR	38 Ft
PAVT MRKG, OVLY COLD PLASTIC, DIRECTIONAL ARROW SYM, BIKE	2 EA
PAVT MRKG, OVLY COLD PLASTIC, BIKE, SMALL SYM	2 EA
PAVT MRKG, WET RETRFLEC, POLYUREA, ONLY SYM	2 EA
PAVT MRKG, WET RETRFLEC, POLYUREA, RAILROAD SYM	2 EA
PAVT MRKG, WET RETRFLEC, POLYUREA, RT TURN ARROW SYM	2 EA
PAVT MRKG, WET RETRFLEC, POLYUREA, THRU ARROW SYM	2 EA
REM SPEC MRKG	129 SFT
RECESSING PAVEMENT MARKINGS, LONGIT	2241 Ft
RECESSING PAVEMENT MARKINGS, TRANSV	554 FT
PAVT MRKG, LONGIT, 6 INCH OR LESS WIDTH, REM	991 Ft



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STREET RESURFACING/RESTORATION PROJECT - 2019
 S STATE STREET
 STA. 50+00 - STA. 57+83 PVT MRKG

SCALE PLAN: 1" = 20'
 DRAWING No. 2019004-85
 SHEET No. 85 OF 121

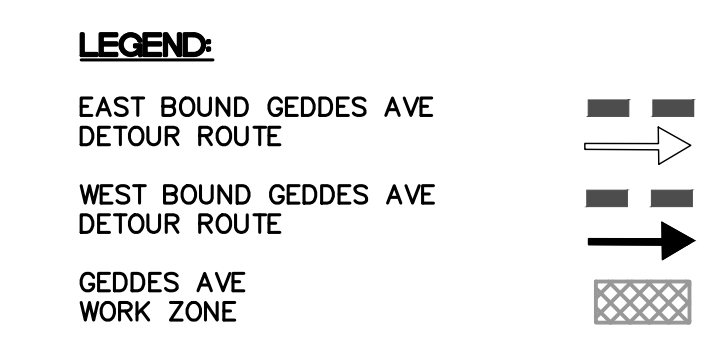
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TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
1		BARRICADE TYPE III HIGH INTENSITY LIGHTED	5
2		D3-1 M4-8a 24x18	5
3		D3-1 M4-9S 30x24	5
4		D3-1 M4-9R 30x24	5
5		D3-1 M4-9L (MOD.) 30x24	5
6		D3-1 M4-9R (MOD.) 30x24	5
7		D3-1 M4-9L (MOD.) 30x24	5
8		M4-10R 48x18	5
9		M4-10L 48x18	5
10		36"x12" R6-1R	5
11		36"x12" R6-1L	5
12		R3-2 24"x24"	5
13		R3-1 24"x24"	5
14		R11-2 48x30	5
15		R11-4 60x30	5
16		G20-2 48"x24"	5
17		W20-1 36x36	5
18		W20-2 36x36	5
19		W20-3 36x36	5
20		W20-5R 36"x36"	5
21		W4-2R 36"x36"	5

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

TRAFFIC CONTROL SIGN			
	SIGN	NUMBER	QUANTITY
22		W20-5L 36"x36"	5
23		W4-2L 36"x36"	5
24		R5-18C 48"x48"	5
25		SPECIAL 48x66	5
26		SPECIAL 48x66	5
27		R5-1 36x36	5
SIGN, PORTABLE, CHANGEABLE MESSAGE		VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING	



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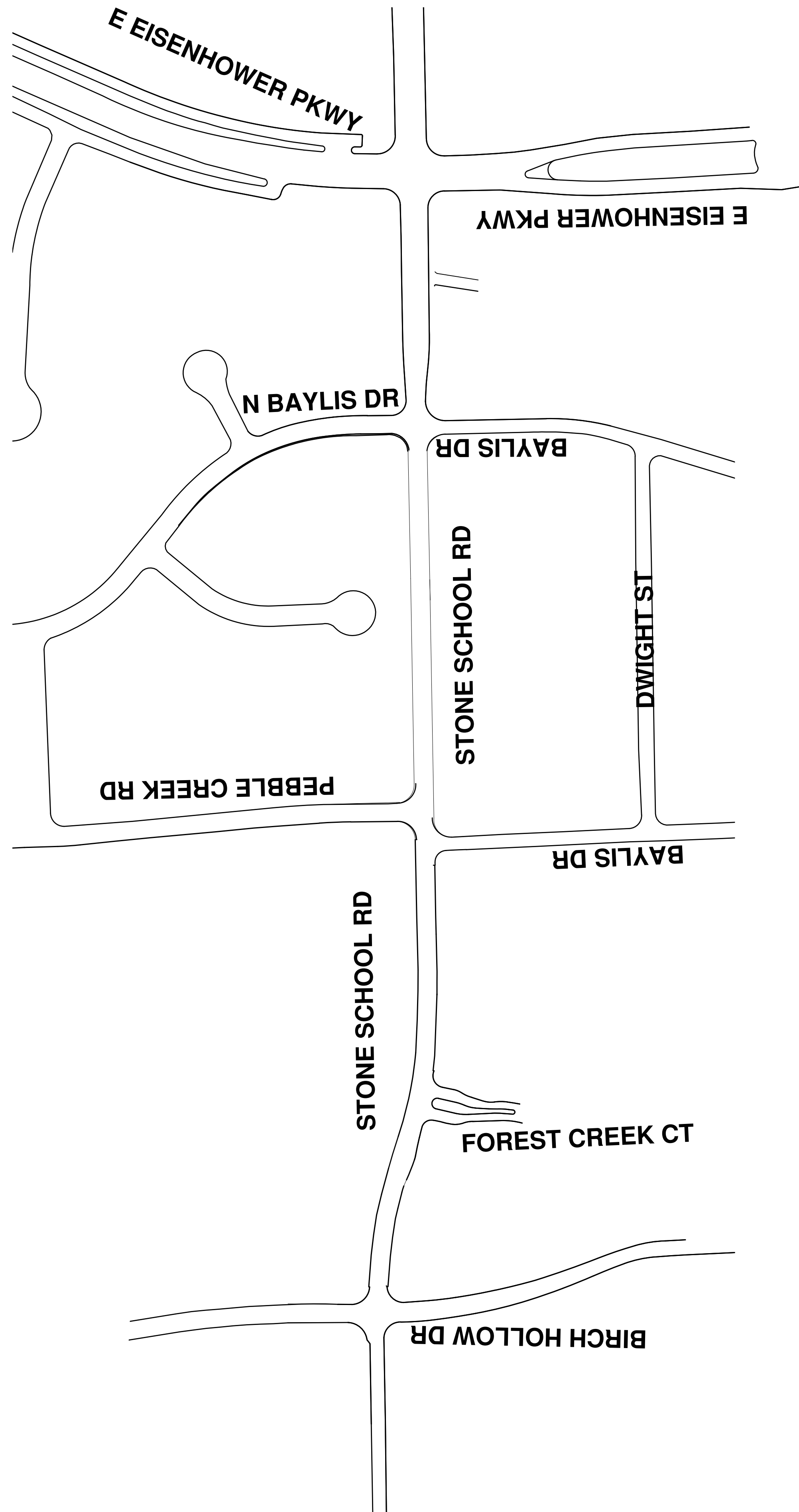
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 STREET RESURFACING/RESTORATION
 PROJECT - 2019
 STONE SCHOOL ROAD
 DETOUR PLAN

SCALE PLAN: N.T.S.
 DRAWING No. 2019004-87
 SHEET No. 87 OF 121

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD



TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
①	BARRICADE TYPE III HIGH INTENSITY LIGHTED	0	
②	R3-2 24"x24"	0	
③	R3-1 24"x24"	0	
④	W20-1 36"x36"	0	
	D3-1	0	
⑤	W20-3 36"x36"	0	
	D3-1	0	
⑥	R6-1R 36"x12"	0	
⑦	R6-1L 36"x12"	0	
⑧	R5-1 36"x36"	0	
SIGN, PORTABLE, CHANGEABLE MESSAGE	VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING		

DETOUR CONSTRUCTION NOTES:

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



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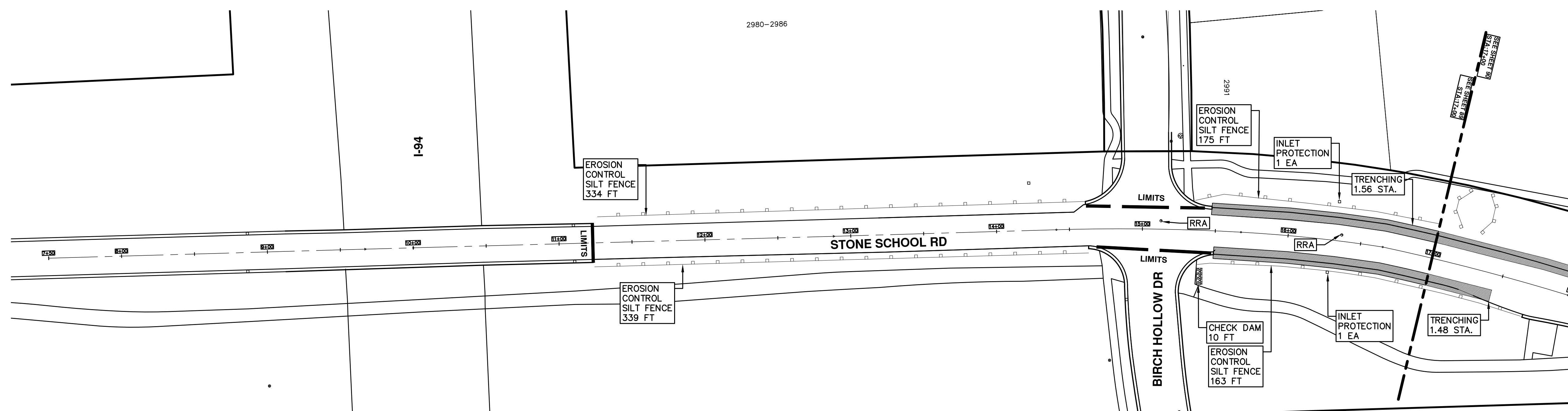
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PROJECT - 2019
 STONE SCHOOL ROAD
 TRAFFIC CONTROL

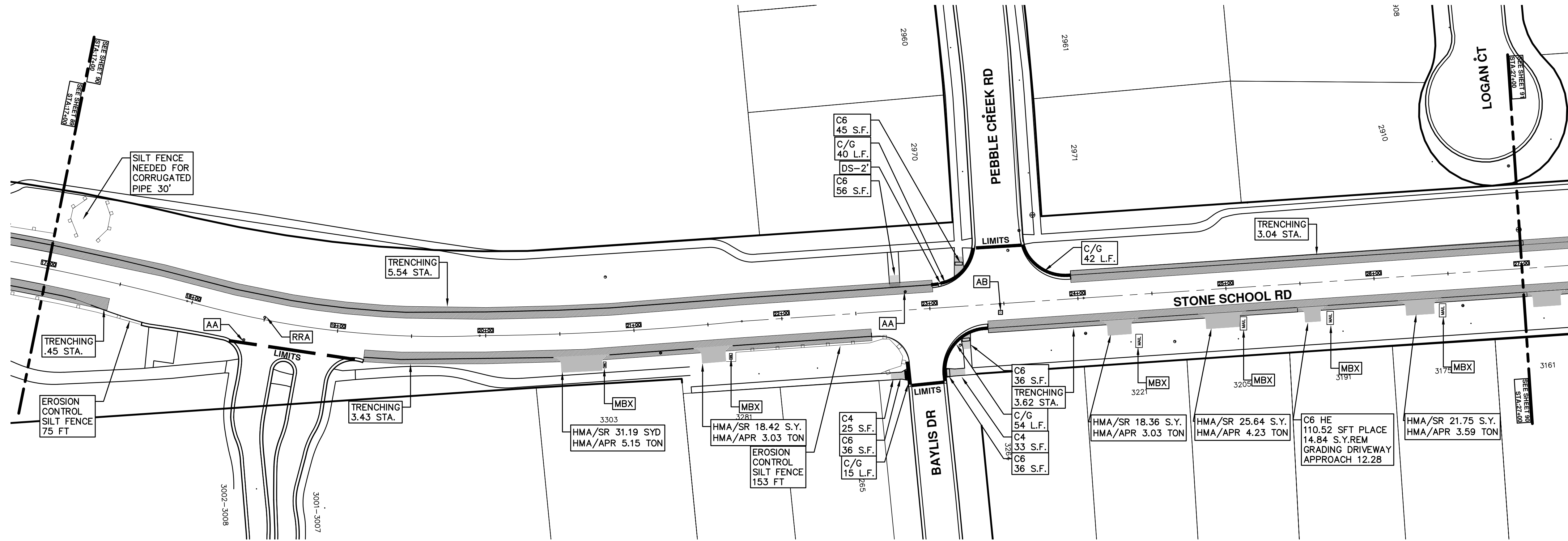
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 DRAWING No. 2019004-88

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SCALE PLAN: 1"=40' 	DRAWING No. 2019004-89	CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET P.O. BOX 8647 ANN ARBOR, MI 48107-8647 www.a2gov.org	SHEET No. 89 OF 121
REV.	DO	BID SET	DESCRIPTION
DATE	03-13-2019	AH.GS.CE	DRAWN
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 SCALE PLAN: 1"=40'
 DRAWING No. 2019004-90
 SHEET No. 90 OF 121

STREET RESURFACING/RESTORATION
 PROJECT - 2019
 STONE SCHOOL ROAD
 STA. 17+00 - STA. 27+00

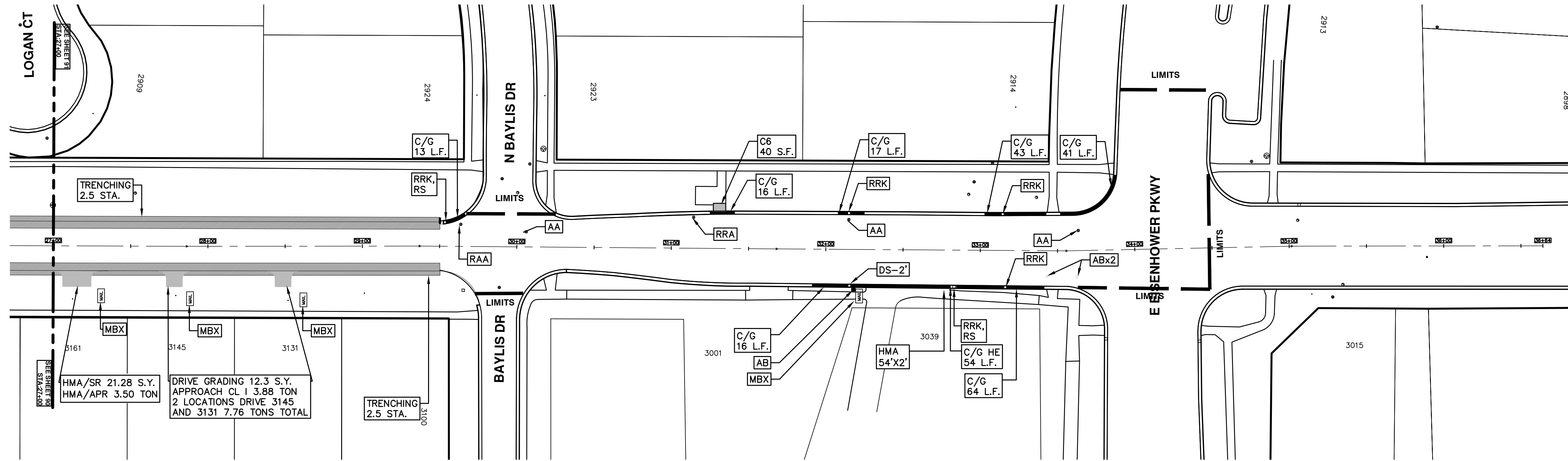


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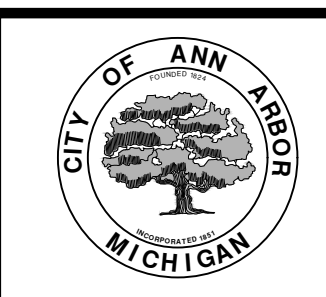
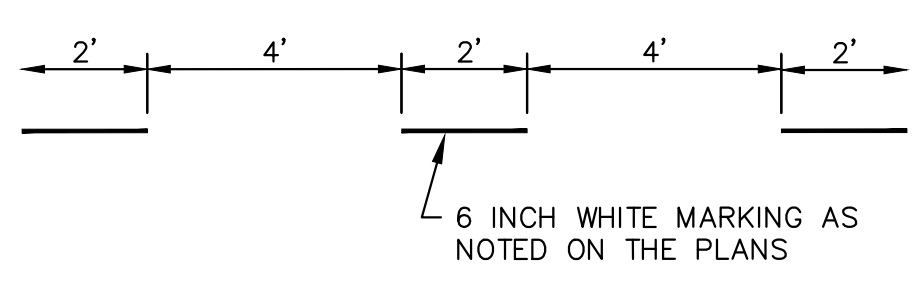
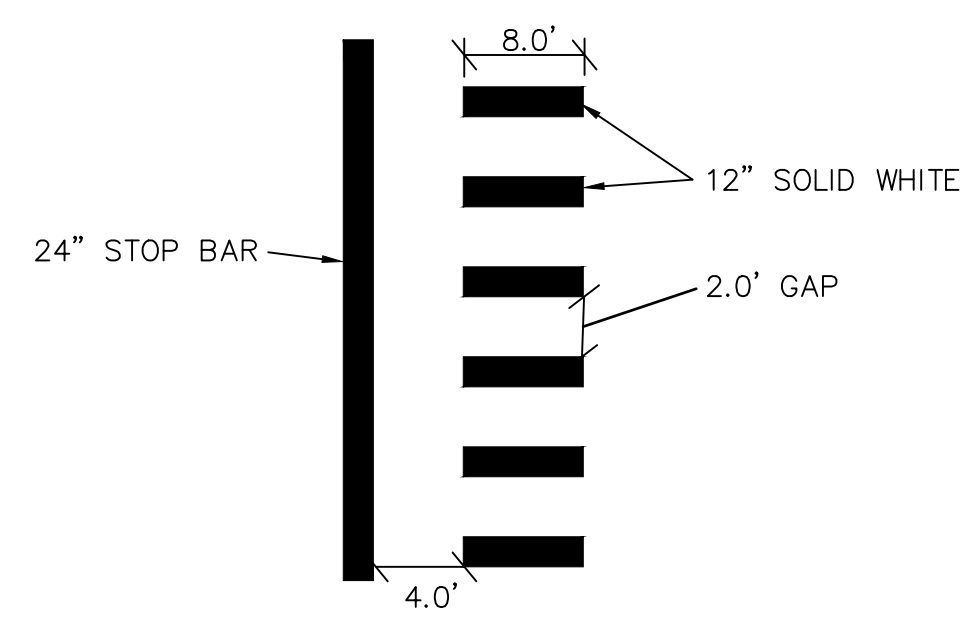
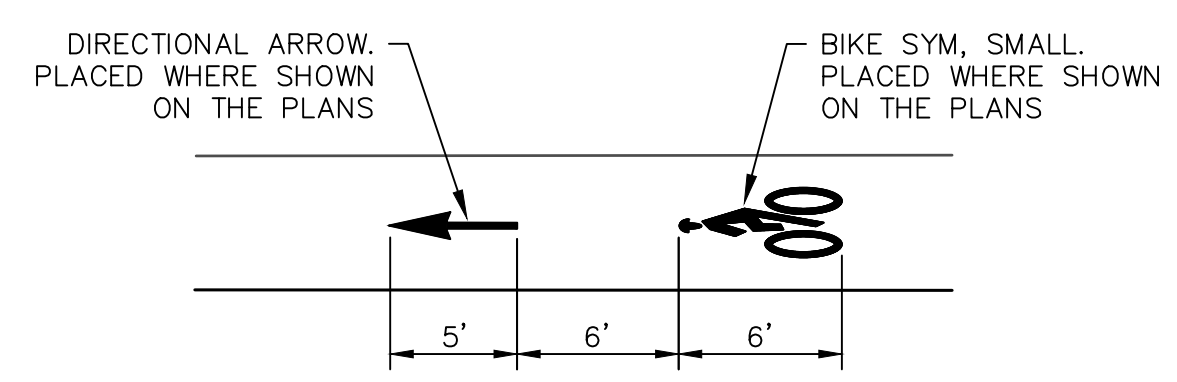
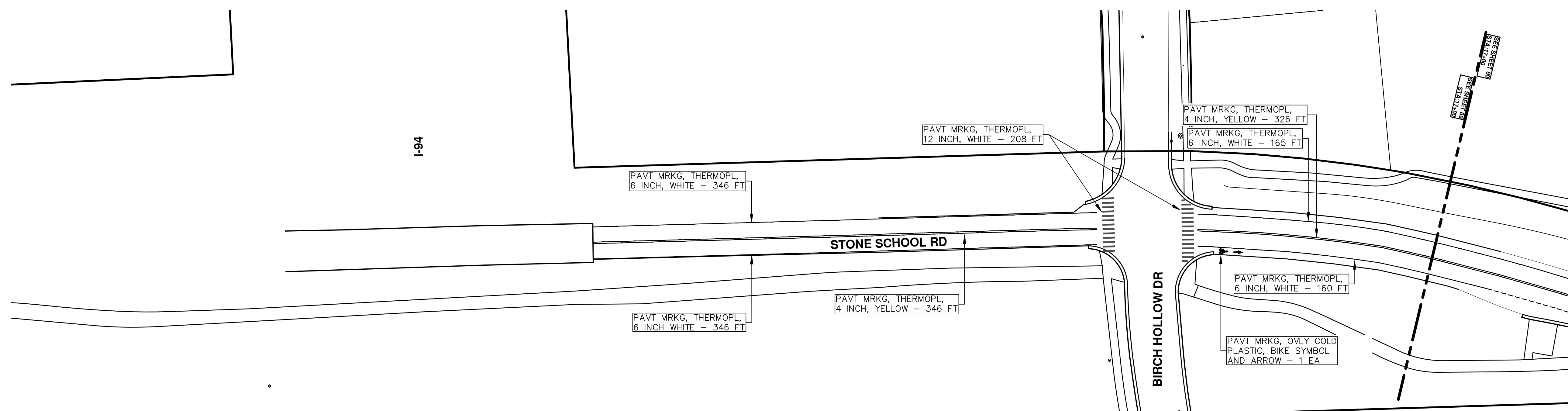


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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR STREET RESURFACING/RESTORATION PROJECT - 2019 STONE SCHOOL ROAD STA. 27+00 - STA. 36+64	SCALE PLAN: 1"=40' DRAWING No. 2019004-91	SHEET No. 91 OF 121	REV. NO. DESCRIPTION DATE DRAWN CHECKED 00 BID SET 03-13-2019 AH.GS.CE DAD 01



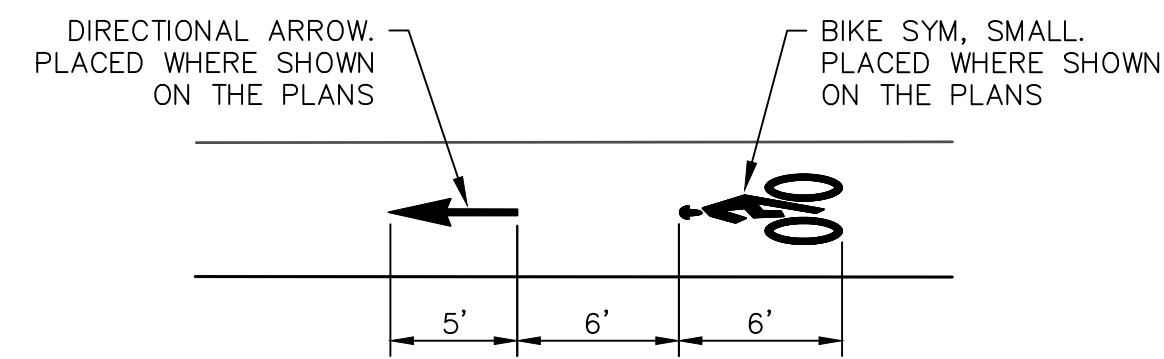
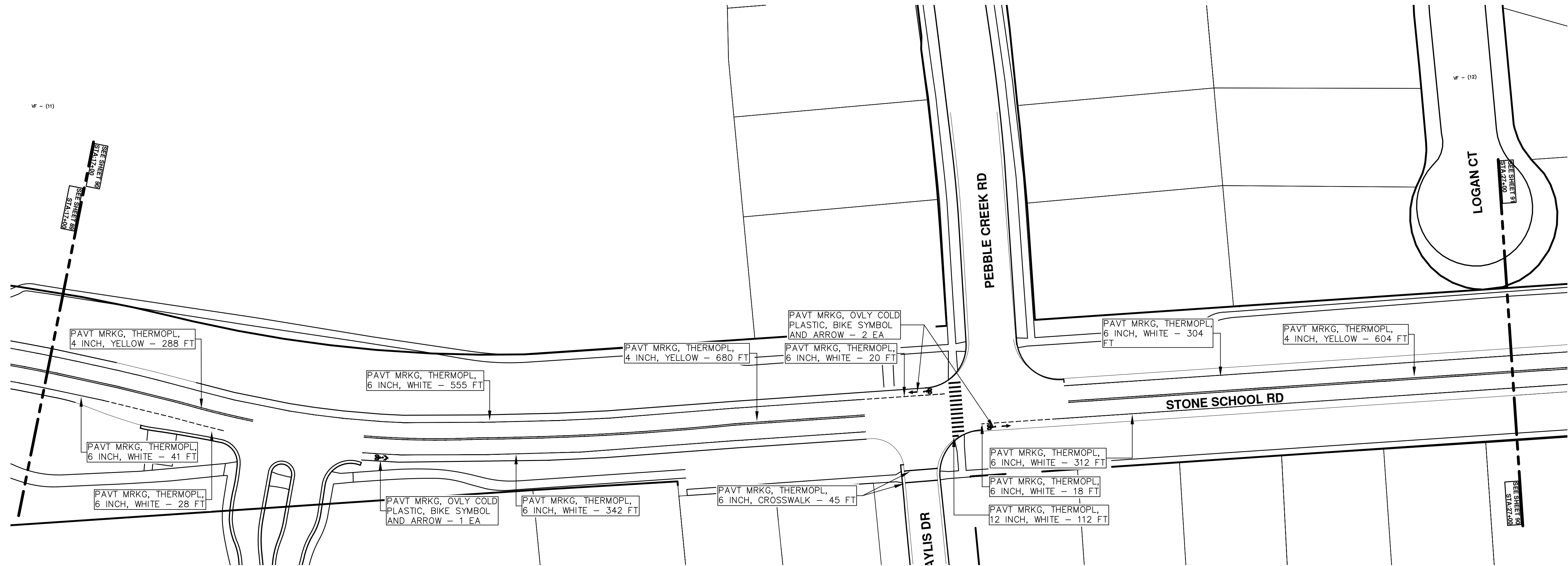
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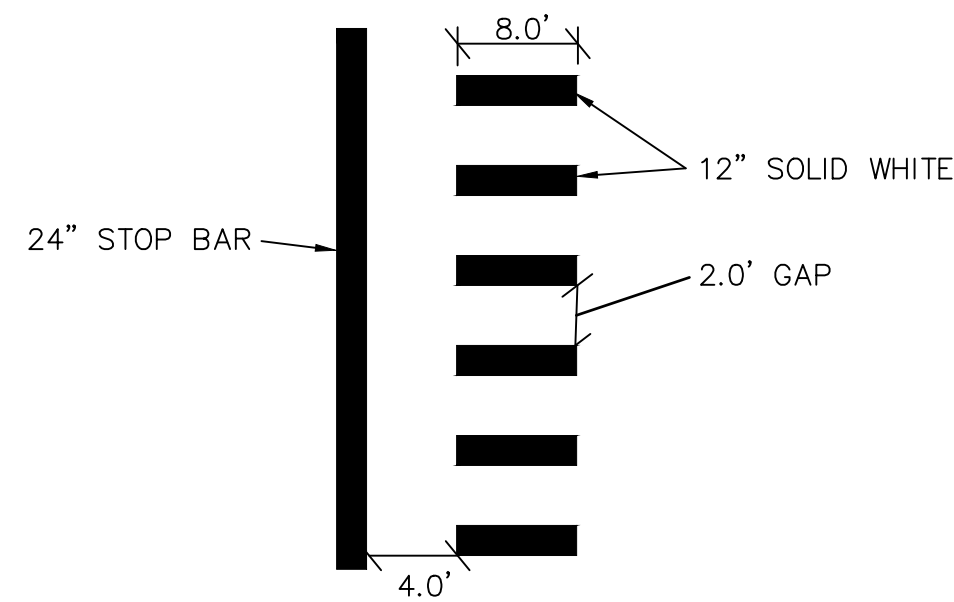
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CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET P.O. BOX 8647 ANN ARBOR, MI 48107-8647 www.a2gov.org	DESCRIPTION REV.
CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET P.O. BOX 8647 ANN ARBOR, MI 48107-8647 www.a2gov.org	DATE DRAWN CHECKED
ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR STREET RESURFACING/RESTORATION PROJECT - 2019 STONE SCHOOL ROAD STA. 10+00 - STA. 17+00 PVT MRKG	REV.
SCALE PLAN: 1"=40' DRAWING No. 2019004-92	SHEET No. 92 OF 121

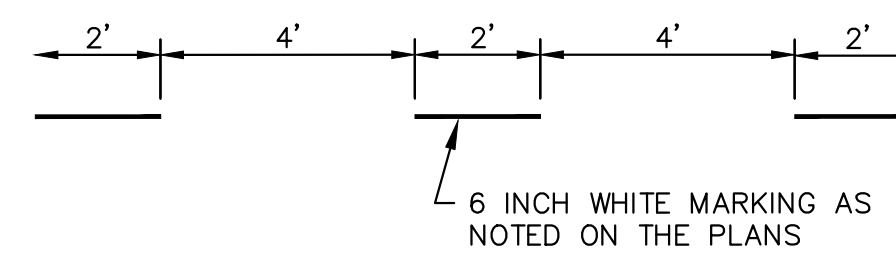
T:\2019004\Plan Production\Major Streets\2019004 - Stone School Road.dwg Dwg Created: 18-Dec-18 - _a2 standard bw.stb - Plot Date: 13-Mar-19



**BIKE SYMBOL
DETAIL**



STOP BAR AND CROSSWALK DETAIL



DOTTED LINE DETAIL

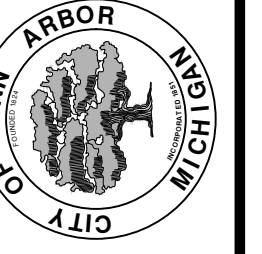


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00	BID SET	03-13-2019	AH.GS.CE	DAD

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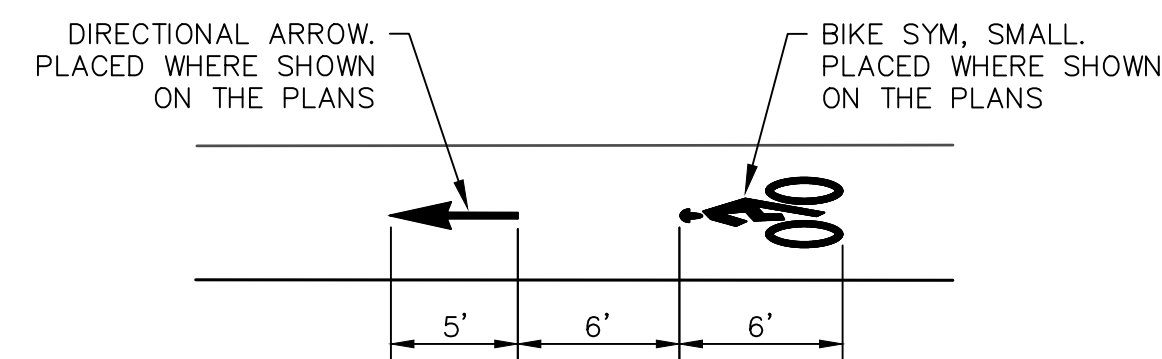
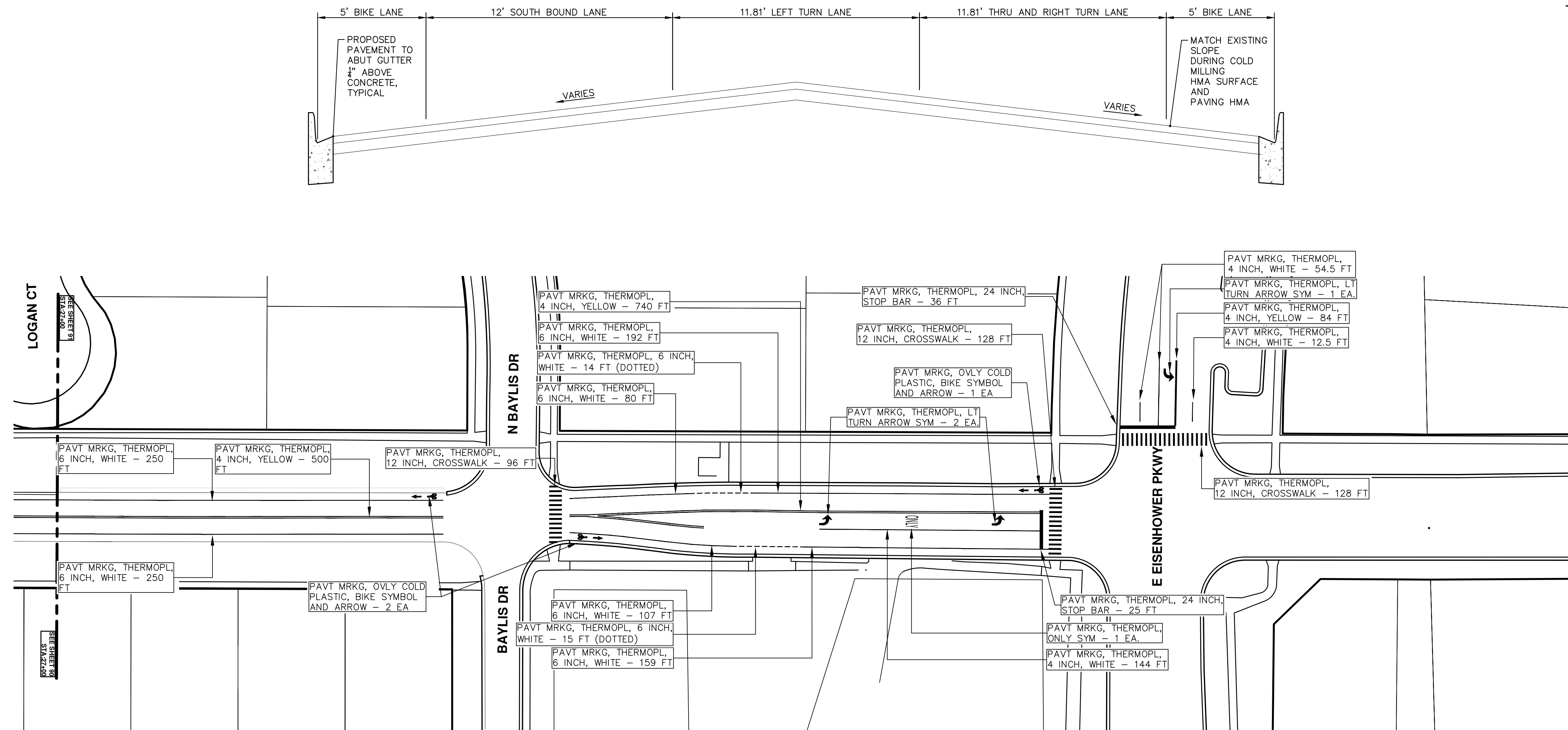


ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION
PROJECT - 2019
STONE SCHOOL ROAD
STA. 17+00 - STA. 27+00 PVT MRKG

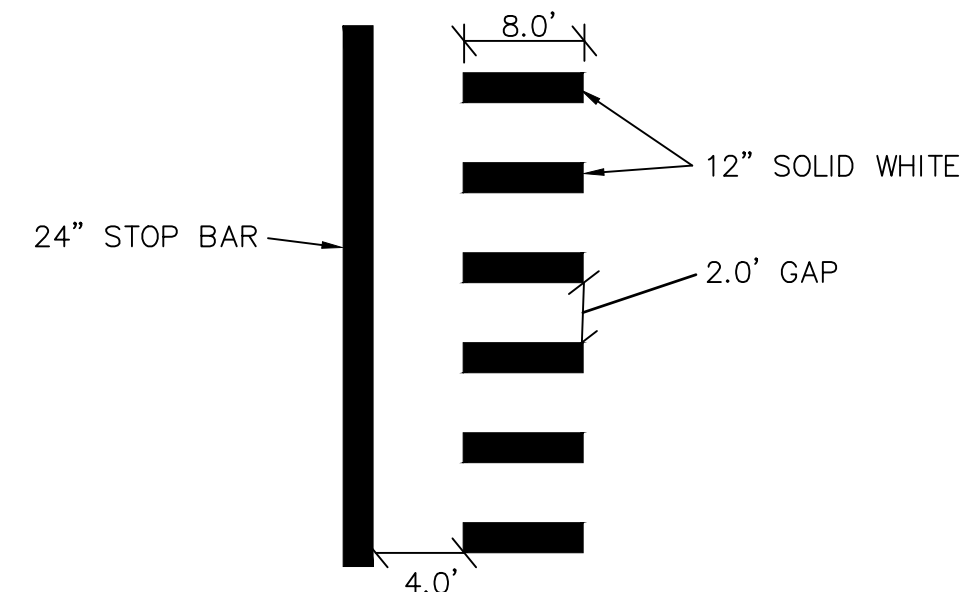
SCALE PLAN: 1"=40'
DRAWING No. 2019004-93

PAVT. MRKG LAYOUT AT EISENHOWER PKWY. STA. 33+50

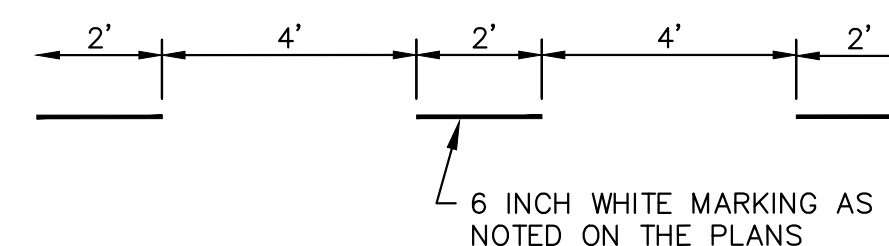
NOTE: NOT TO SCALE



**BIKE SYMBOL
DETAIL**



STOP BAR AND CROSSWALK DETAIL



DOTTED LINE DETAIL



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T:\2019004\Plan Production\Major Streets\2019004 - Stone School Road.dwg Created: 18-Dec-18 - _a2 standard bw.stb - Plot Date: 13-Mar-19



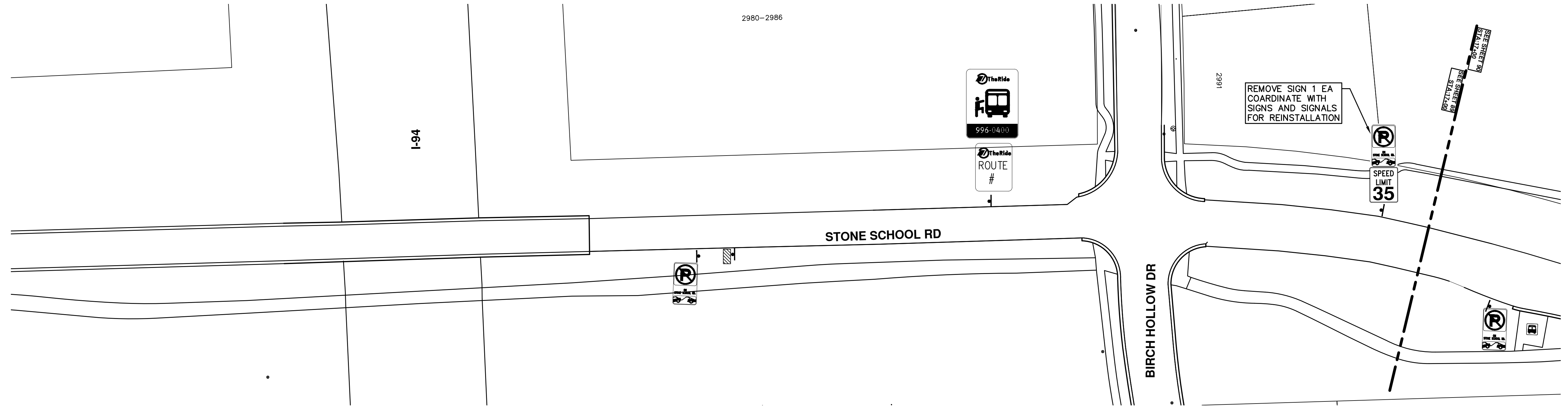
REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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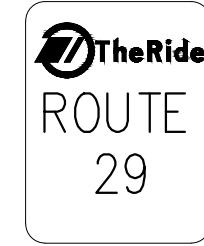


ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION
PROJECT - 2019
STONE SCHOOL ROAD
STA. 27+00 - STA. 36+64 PVT MRKG

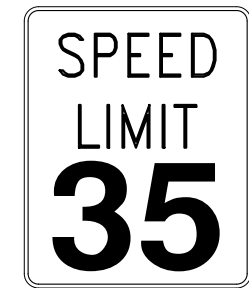
SCALE PLAN: 1"=40'
DRAWING No. 2019004-94



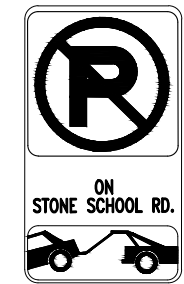
16-1
" x "



16-1
" x "



R2-1
30" x 36"



R7-30
12" x 18"



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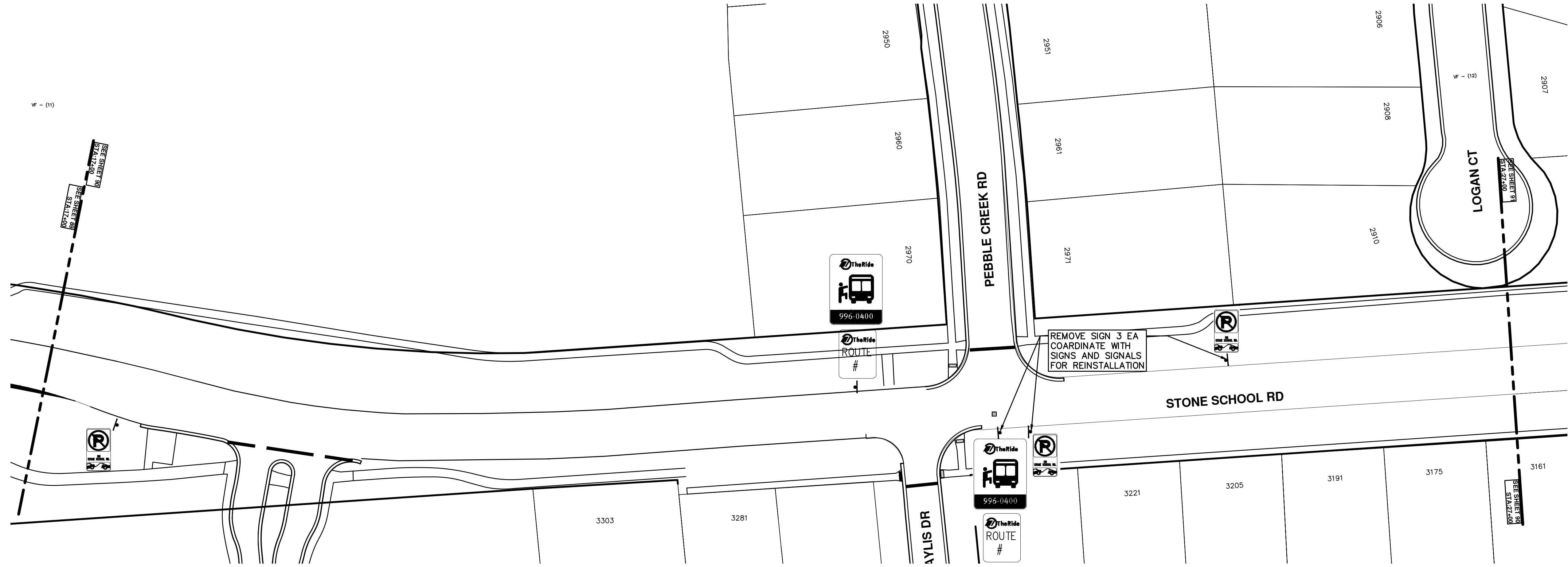
REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

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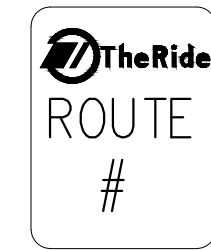


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STREET RESURFACING/RESTORATION
PROJECT - 2019
STONE SCHOOL ROAD
STA. 10+00 - STA. 17+00 SIGN LAYOUT

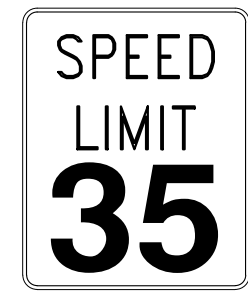
SCALE PLAN: 1"=40'
DRAWING No.
2019004-95



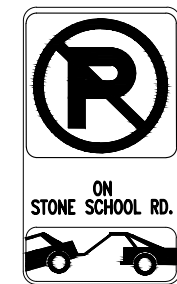
16-1
" x "



16-1
" x "



R2-1
30" x 36"



R7-30
12" x 18"



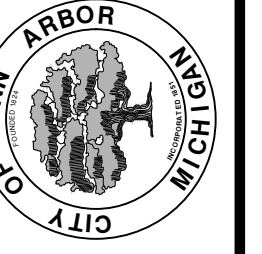
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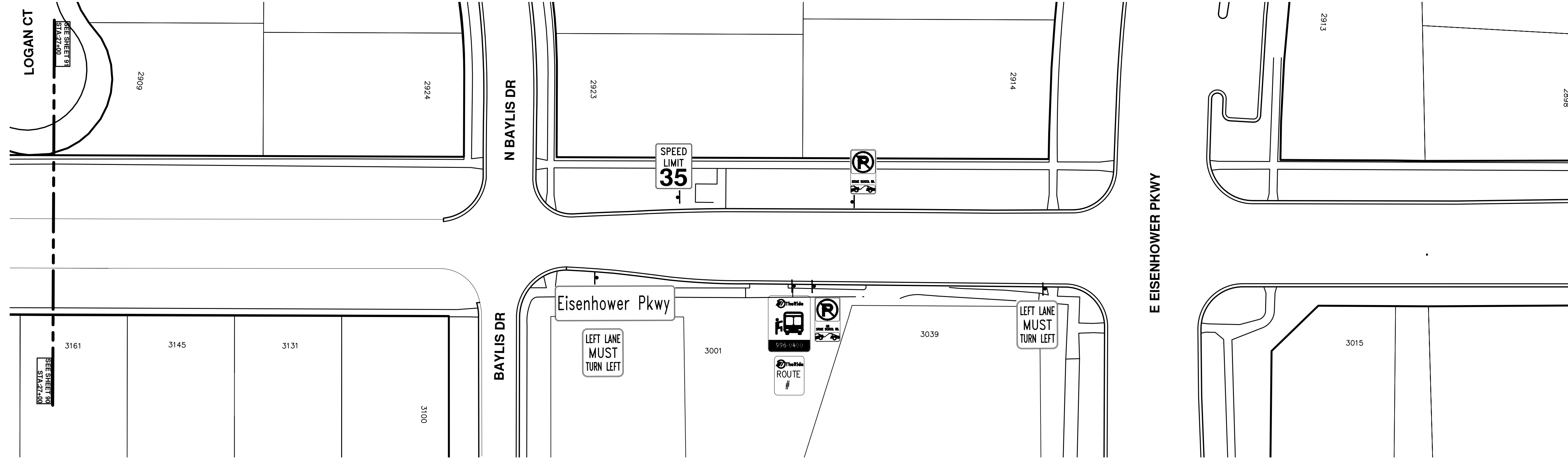
REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

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STREET RESURFACING/RESTORATION
PROJECT - 2019
STONE SCHOOL ROAD
STA. 17+00 - STA. 27+00 SIGN LAYOUT

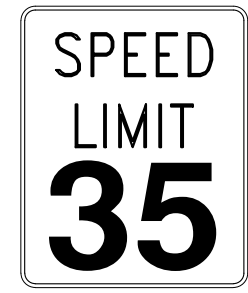
SCALE PLAN: 1"=40'
DRAWING No. 2019004-96



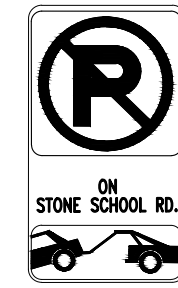
16-1
"x"



16-1
"x"



R2-1
30"x36"



R7-30
12"x18"



R3-7L
30"x30"



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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR STREET RESURFACING/RESTORATION PROJECT - 2019 STONE SCHOOL ROAD STA. 27+00 - STA. 36+64 SIGN LAYOUT	SHEET No. 97 OF 121
SCALE PLAN: 1"=40' DRAWING No. 2019004-97	REV. DESCRIPTION DATE DRAWN CHECKED
00 BID SET 03-13-2019 AH.GS.CE DAD	REV. DESCRIPTION DATE DRAWN CHECKED

TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
	BARRICADE TYPE III HIGH INTENSITY LIGHTED	2	
	D3-1	1	
	M4-8a 24x18	1	
	D3-1	4	
	M4-9S 30x24	4	
	D3-1	0	
	M4-9R 30x24	0	
	D3-1	0	
	M4-9L (MOD.) 30x24	0	
	D3-1	0	
	M4-9R (MOD.) 30x24	0	
	D3-1	0	
	M4-9L (MOD.) 30x24	0	
	M4-10R 48x18	1	
	M4-10L 48x18	0	
	R6-1R 36"x12"	0	
	R6-1L 36"x12"	0	
	R3-2 24"x24"	1	
	R3-1 24"x24"	1	
	R11-2 48x30	0	
	R11-4 60x30	0	
	G20-2 48" x24"	0	
	W20-1 36x36	4	
	D3-1	4	
	W20-2 36x36	2	
	D3-1	2	
	W20-3 36x36	2	
	D3-1	2	
	W20-5R 36"x36"	0	
	W4-2R 36"x36"	0	

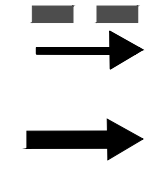
DETOUR CONSTRUCTION NOTES:

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

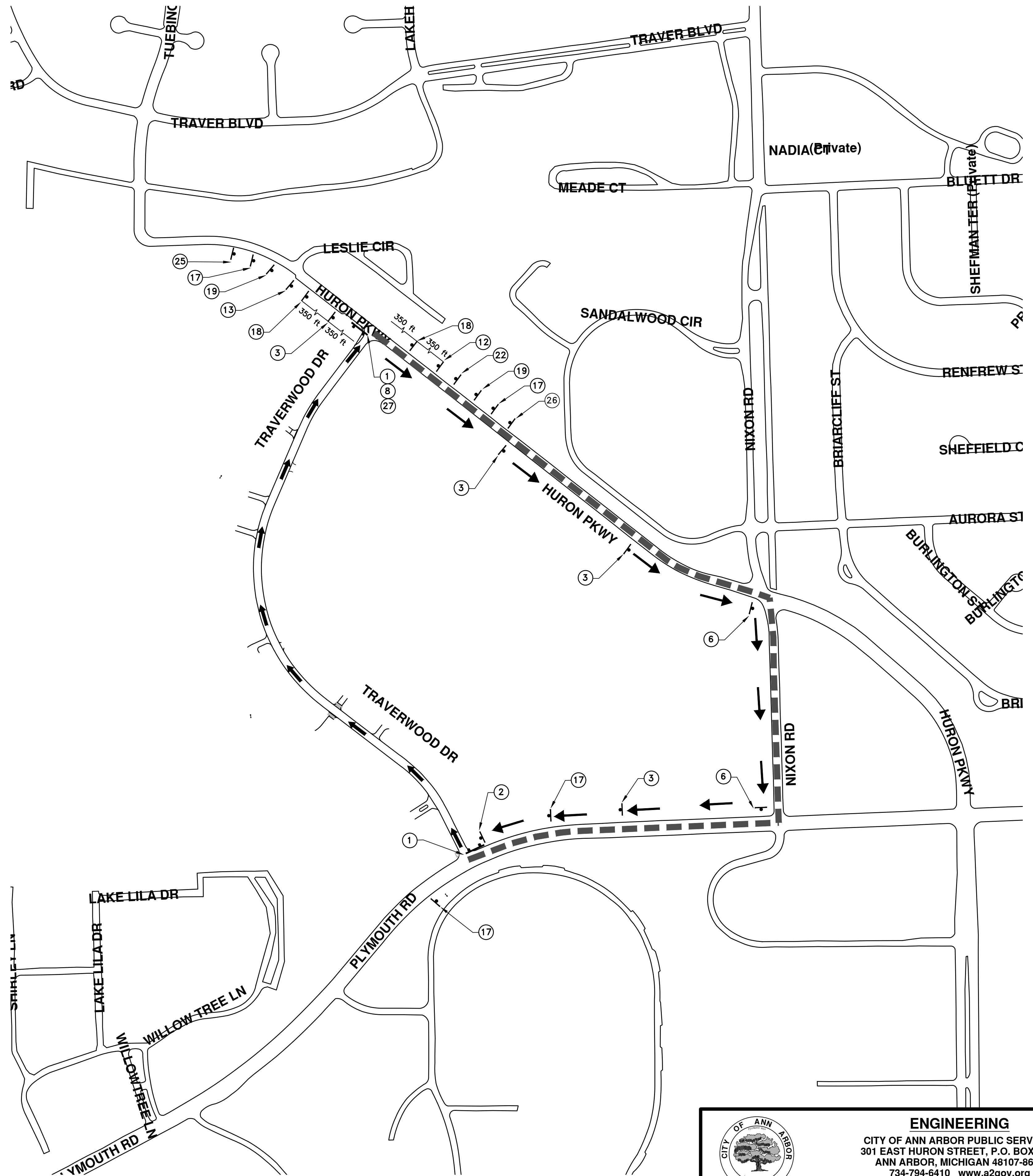
LEGEND:

SOUTH BOUND TRAVERWOOD
DETOUR ROUTE

NORTH BOUND TRAVERWOOD
TRAFFIC MAINTAINED



TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
	W20-5L 36"x36"	1	
	W4-2L 36"x36"	0	
	R5-18C 48"x48"	0	
	SPECIAL 48x66	1	
	SPECIAL 48x66	1	
	R5-1 36x36	1	
SIGN, PORTABLE, CHANGEABLE MESSAGE		VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING	



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STREET RESURFACING/RESTORATION
PROJECT - 2019
TRAVERWOOD DRIVE
DETOUR PLAN

SCALE PLAN: ###
DRAWING No. 2019004-99
SHEET No. 99 OF 121

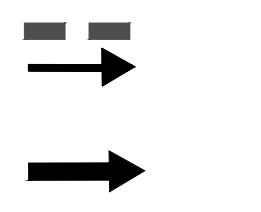
TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
	BARRICADE TYPE III HIGH INTENSITY LIGHTED	8	
	D3-1 M4-8a 24x18	0	
	D3-1 M4-9S 30x24	0	
	D3-1 M4-9R 30x24	0	
	D3-1 M4-9L (MOD.) 30x24	0	
	D3-1 M4-9R (MOD.) 30x24	0	
	D3-1 M4-9L (MOD.) 30x24	0	
	D3-1 M4-9R (MOD.) 30x24	0	
	D3-1 M4-9L (MOD.) 30x24	0	
	M4-10R 48x18	0	
	M4-10L 48x18	0	
	R6-1R 36"x12"	3	
	R6-1L 36"x12"	6	
	R3-2 24"x24"	0	
	R3-1 24"x24"	0	
	R11-2 48x30	1	
	R11-4 60x30	0	
	G20-2 48" x24"	0	
	W20-1 36x36	0	
	D3-1 W20-2 36x36	0	
	D3-1 W20-3 36x36	0	
	W20-5R 36"x36"	0	
	W4-2R 36"x36"	0	

DETOUR CONSTRUCTION NOTES:

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LEGEND:

SOUTH BOUND PLATT
DETOUR ROUTE



NORTH BOUND PLATT
TRAFFIC MAINTAINED

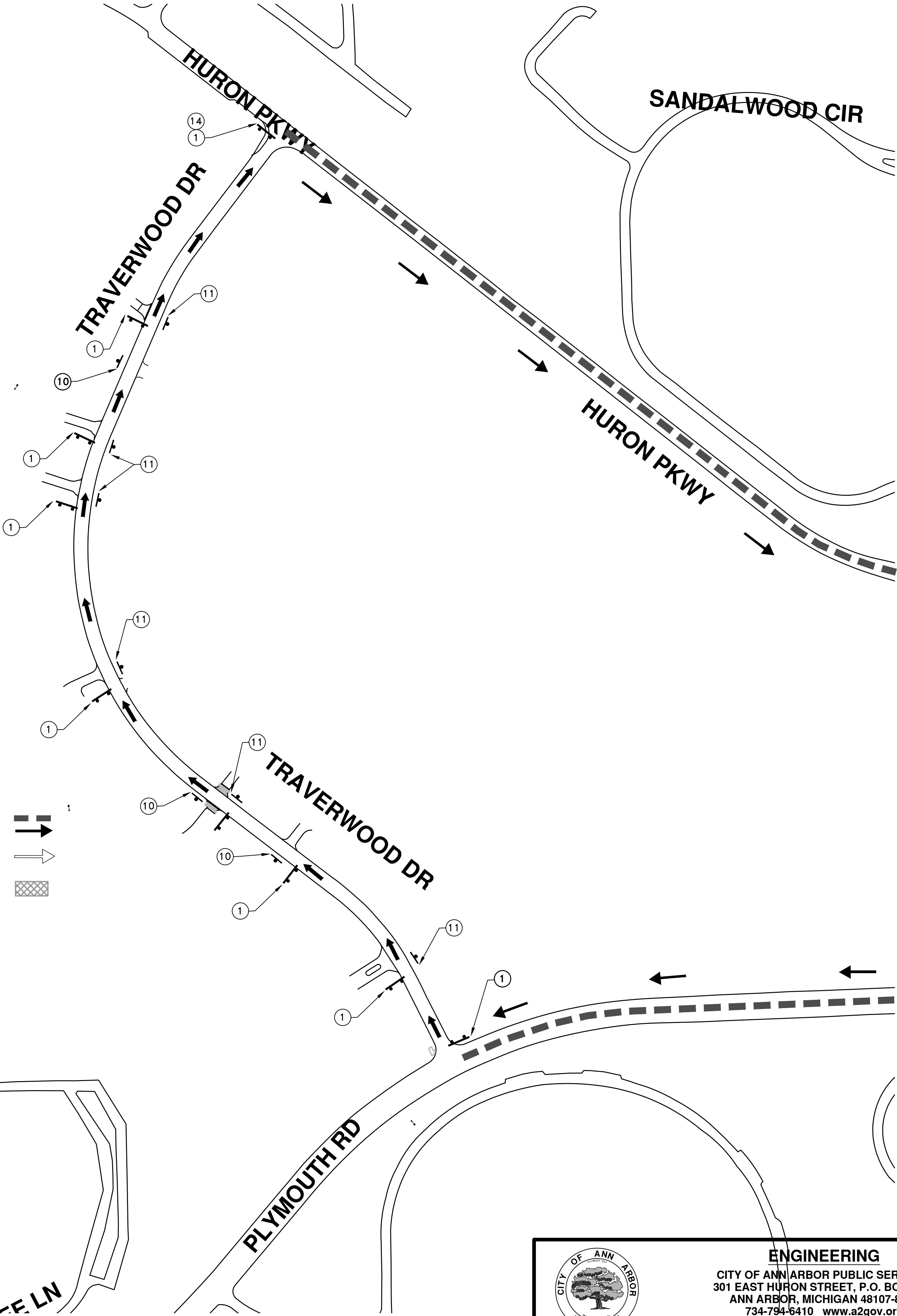
TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
	W20-5L 36"x36"	0	
	W4-2L 36"x36"	0	
	R5-18C 48"x48"	0	
	SPECIAL 48x66	0	
	SPECIAL 48x66	0	
	R5-1 36x36	0	
SIGN, PORTABLE, CHANGEABLE MESSAGE		VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING	

LEGEND:

SOUTH BOUND S. DIVISION ST.
DETOUR ROUTE

NORTH BOUND S. DIVISION ST.
TRAFFIC MAINTAINED

S. DIVISION ST.
WORK ZONE



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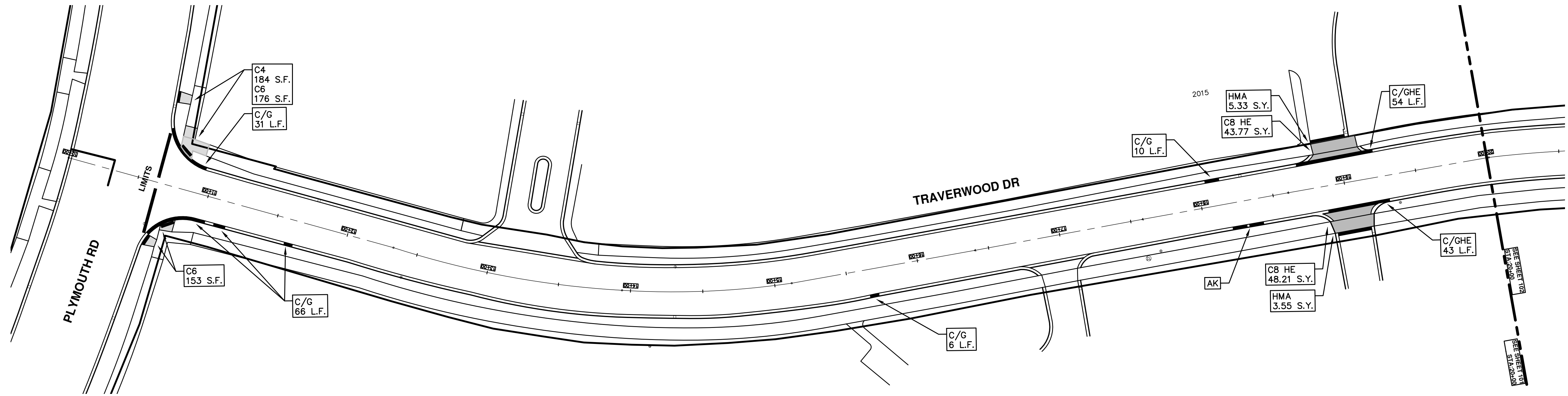
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STREET RESURFACING/RESTORATION
PROJECT - 2019
TRAVERWOOD DRIVE
TRAFFIC CONTROL

SCALE PLAN: N.T.S.
DRAWING No. 2019004-100

T:\2019004\Plan Production\Major Streets\2019004 - Traverwood Drive.dwg Dwg Created: 19-Dec-18 - _a2_standard bw.stb - Plot Date: 13-Mar-19



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STREET RESURFACING/RESTORATION PROJECT - 2019

TRAVERWOOD DRIVE
 STA. 10+00 - STA. 20+00

SCALE PLAN: 1"=40'

DRAWING No. 2019004-101

SHEET No. 101 OF 121

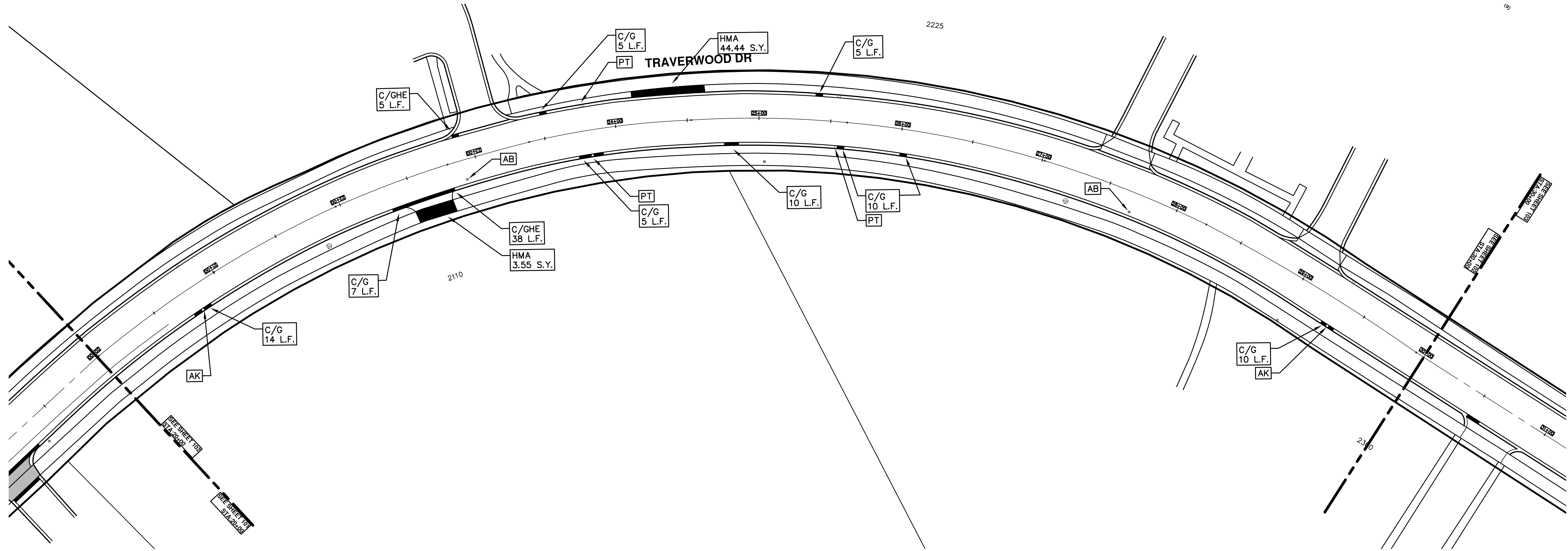
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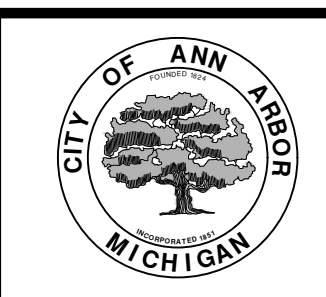
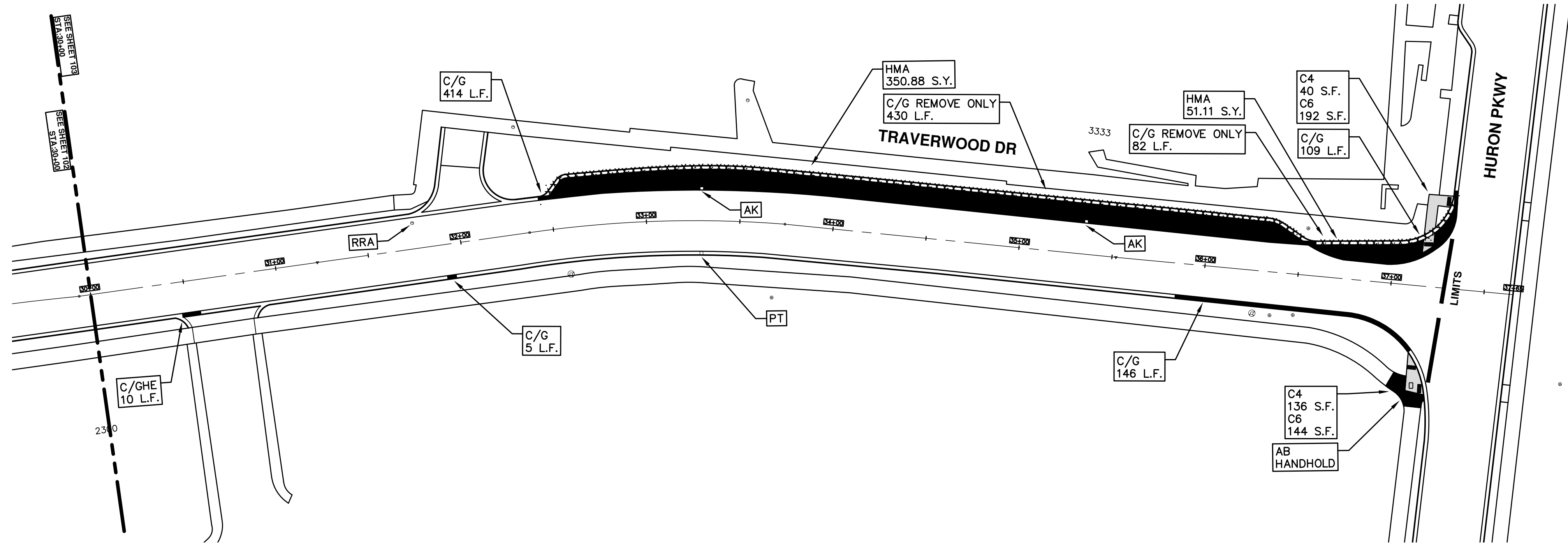
REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

T:\2019004\Plan Production\Major Streets\2019004 - Traverwood Drive.dwg Dwg Created: 19-Dec-18 - _a2_standard bw.stb - Plot Date: 13-Mar-19



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SCALE PLAN: 1"=40' DRAWING No. 2019004-102	SHEET No. 102 OF 121
REV. NO. DESCRIPTION DATE DRAWN CHECKED	00 BID SET 03-13-2019 AH.GS.CE DAD

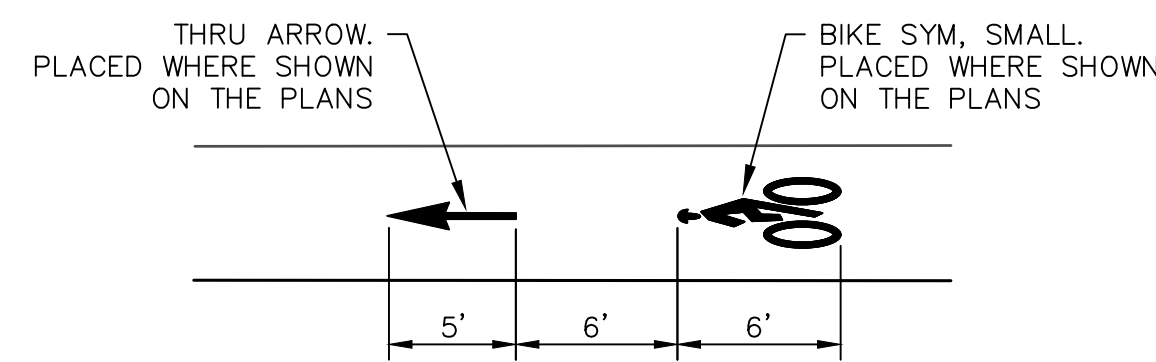
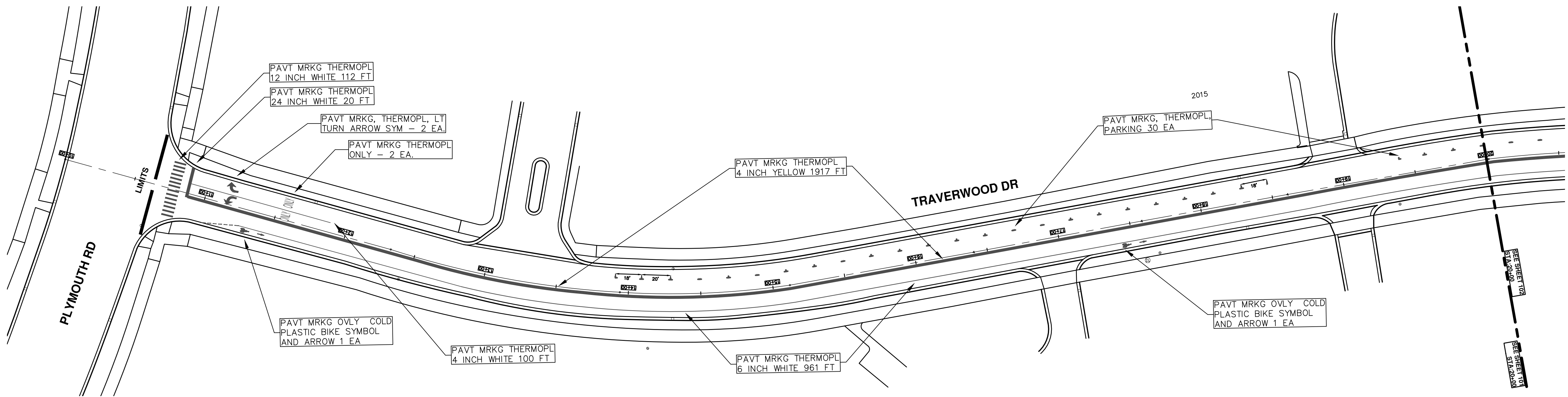
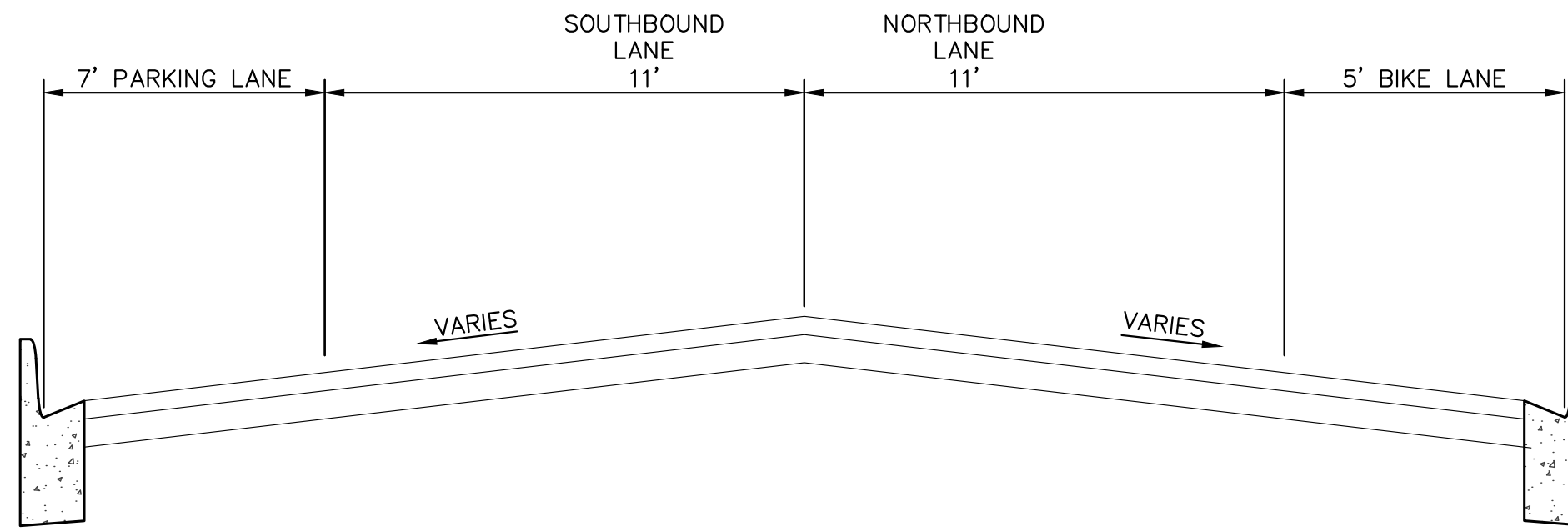


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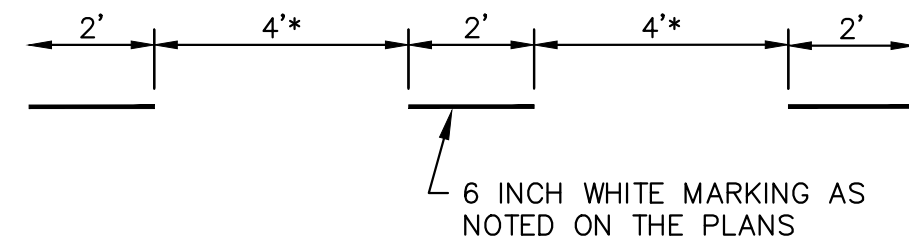
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PAVT. MRKG LAYOUT AT TRAVERWOOD DR. STA. 13+80 to 20+00

NOTE: NOT TO SCALE

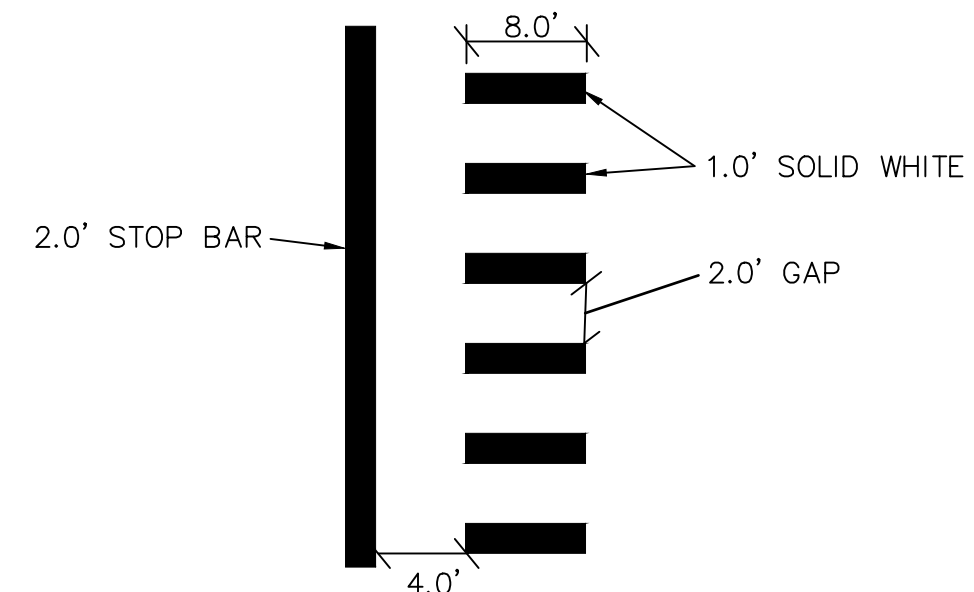


BIKE SYMBOL DETAIL

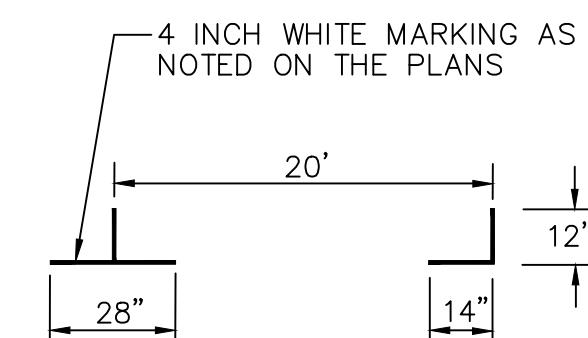


DOTTED LINE DETAIL

* NOTE FOR BROKEN LINE, USE 6' GAPS.



STOP BAR AND CROSSWALK DETAIL



PARKING DETAIL



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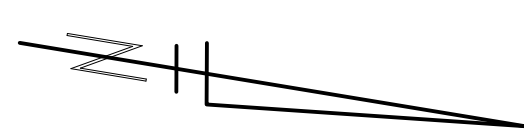
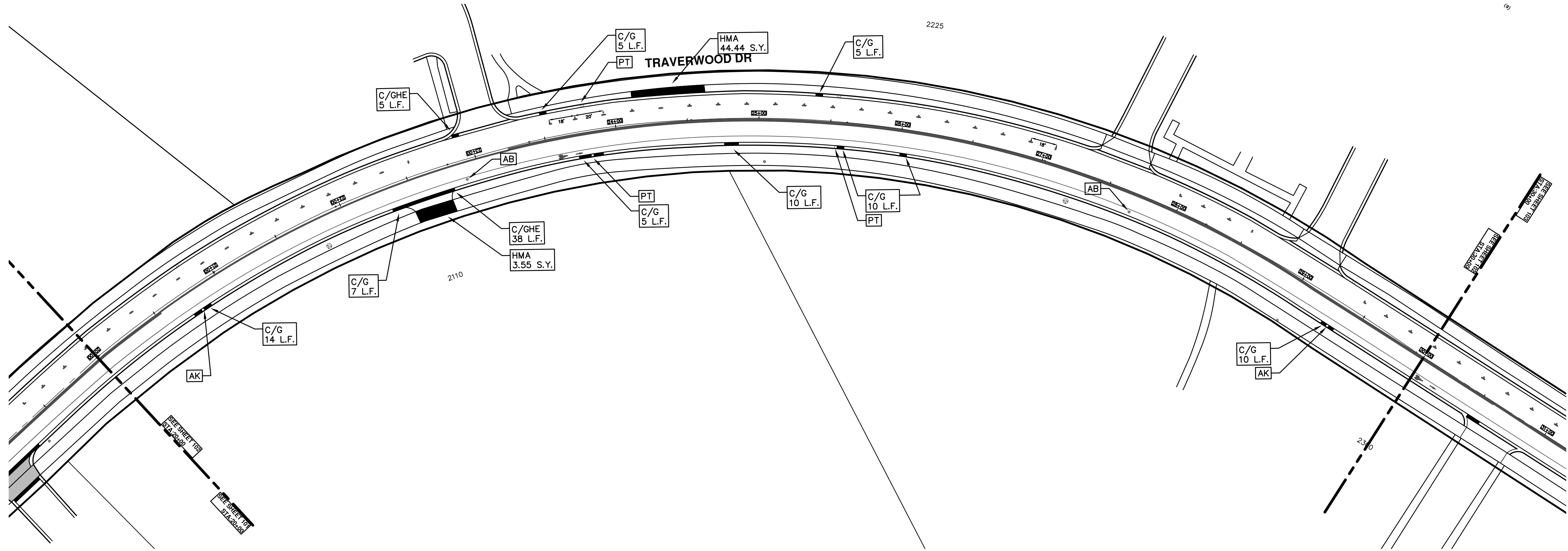
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TRAVERWOOD DRIVE
STA. 10+00 - STA. 20+00 PAVT MRKG

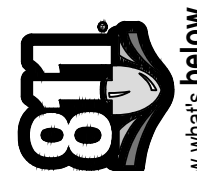
SCALE PLAN: 1/4" = 1'-0"
DRAWING No. 2019004-104
SHEET No. 104 OF 121

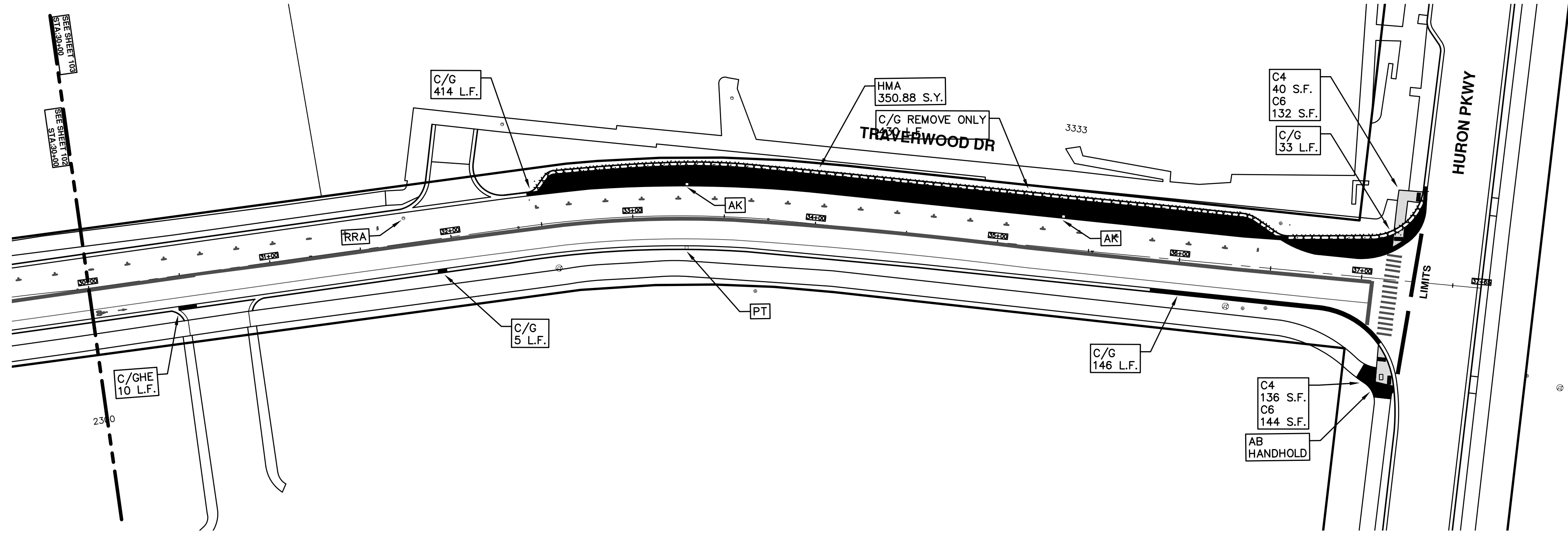
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SCALE PLAN: 1"=40' DRAWING No. 2019004-105	SHEET No. 105 OF 121
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SCALE PLAN: 1"=40'
 DRAWING No. 2019004-106

REV.	DESCRIPTION	DATE	AI/GS/CE	DAD	CHECKED
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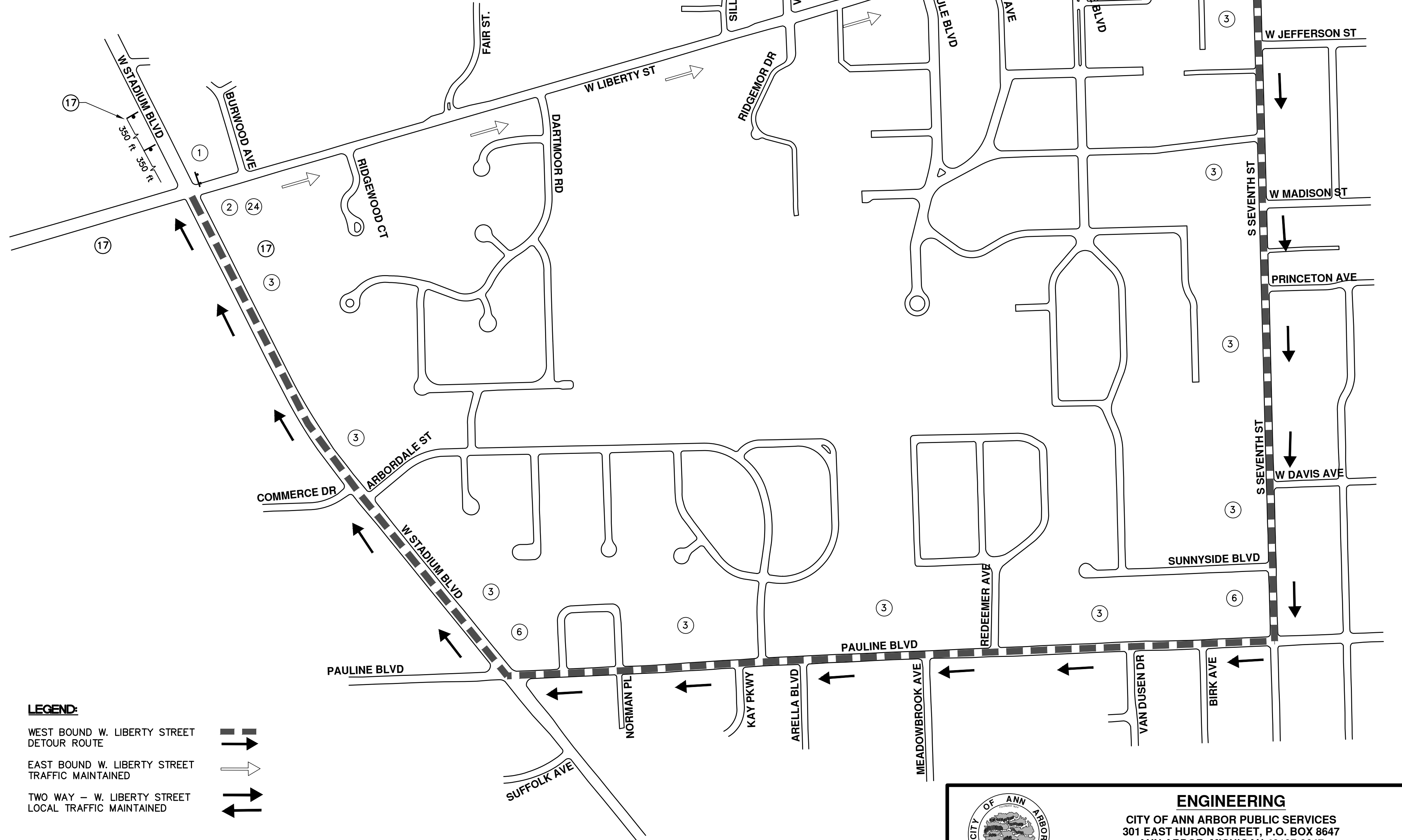


TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
	BARRICADE TYPE III HIGH INTENSITY LIGHTED	3	
	D3-1	1	
	M4-8a 24x18	1	
	D3-1	12	
	M4-9S 30x24	12	
	D3-1	0	
	M4-9R 30x24	0	
	D3-1	0	
	M4-9L (MOD.) 30x24	0	
	D3-1	2	
	M4-9R (MOD.) 30x24	2	
	D3-1	0	
	M4-9L (MOD.) 30x24	0	
	M4-10R 48x18	0	
	M4-10L 48x18	1	
	36"x12" R6-1R	0	
	36"x12" R6-1L	0	
	R3-2 24"x24"	0	
	R3-1 24"x24"	0	
	R11-2 48x30	1	
	R11-4 60x30	1	
	G20-2 48"x24"	1	
	W20-1 36x36	6	
	D3-1	6	
	W20-2 36x36	3	
	D3-1	3	
	W20-3 36x36	3	
	D3-1	3	
	W20-5R 36"x36"	0	
	W4-2L 36"x36"	0	

TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
	W20-5L 36"x36"	0	
	W4-2L 36"x36"	0	
	R5-18C 48"x48"	1	
	SPECIAL 48x66	0	
	SPECIAL 48x66	0	
	R5-1 36x36	1	
SIGN, PORTABLE, CHANGEABLE MESSAGE		VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING	

DETOUR CONSTRUCTION NOTES:

- DEPENDENT ON THE DETOUR ROUTES THAT ARE PUT IN PLACE, CONFLICTING SIGNS MAY BE PRESENT. PRIOR TO THE ORDERING OR PLACEMENT OF ANY SIGNS, MEET WITH THE ENGINEER TO VERIFY THE EXACT NUMBER AND LOCATION OF THE SIGNS TO BE PLACED. THE ENGINEER AND THE CONTRACTOR SHALL WORK TOGETHER TO ELIMINATE ALL CONFLICTS.
- THE CITY RESERVES THE RIGHT TO ORDER ADDITIONAL SIGNS AND PLACE THEM INTO SERVICE IN ORDER TO SAFELY MAINTAIN TRAFFIC. ADJUSTMENTS IN THE UNIT PRICE FOR THESE ITEMS OF WORK SHALL NOT BE ALLOWED FOR THESE OCCURRENCES.
- THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS WITH THOSE OF THE CITY OF ANN ARBOR'S SIGNS AND SIGNALS UNIT DURING THE COURSE OF THE DETOUR ROUTE ESTABLISHMENT TO EFFECTIVELY AND SAFELY MAINTAIN TRAFFIC. DO NOT ERECT ANY SIGNS UNTIL ITS LOCATION AND PROPOSED DATE OF INSTALLATION IS APPROVED BY THE ENGINEER.
- THIS DETOUR IS TO BE IN PLACE DURING LIBERTY/RIDGEMOOR SANITARY SEWER EXTENSION. AS DIRECTED BY THE ENGINEER, THE CONTRACTOR WILL CLOSE AND DETOUR EAST BOUND W. LIBERTY STREET TRAFFIC. SEE "SPECIAL PROVISION FOR MAINTAINING TRAFFIC AND CONSTRUCTION SEQUENCING" FOR DETAILS ON CONSTRUCTION STAGING, SEQUENCING, CLOSURE AND DETOUR LIMITATIONS, AND OTHER DETAILS.
- REFERENCE THE "DETAILED SPECIFICATION FOR MAINTAINING TRAFFIC AND CONSTRUCTION SEQUENCING" FOR ADDITIONAL PROJECT REQUIREMENTS. THE CONTRACTOR'S ATTENTION IS SPECIFICALLY DIRECTED TO THE SECTION OF SAME SPECIAL PROVISION REGARDING COORDINATION WITH THE CITY SIGNS AND SIGNALS UNIT FOR THE SEVERAL DETOUR ROUTE MODIFICATIONS AND THE MODIFICATIONS TO TRAFFIC SIGNALS FOR THE DETOUR.
- THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN SIGNS AS SHOWN ON THE PLANS OR OTHERWISE DIRECTED BY THE ENGINEER.
- CONSTRUCTION WARNING SIGNS SHALL HAVE AN ORANGE, HIGH-INTENSITY, REFLECTORIZED BACKGROUND.
- SIGNS SHALL CONFORM TO THE 2011 MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL DRIVE ALL SIGNS INTO EXPOSED GROUND OR INSERT INTO A BORED HOLE IN PAVEMENT AS NECESSARY TO PERMANENTLY SECURE. ALL HOLES IN PAVEMENT SHALL BE FILLED WITH ENGINEER-APPROVED MORTAR WHEN THE SIGN IS REMOVED AND NO LONGER NEEDED. COSTS FOR THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "SIGN, TYPE B, TEMP, PRISMATIC, FURN" OR "SIGN, TYPE B, TEMP, PRISMATIC, FURN, SPECIAL".



LEGEND:

- WEST BOUND W. LIBERTY STREET DETOUR ROUTE
- EAST BOUND W. LIBERTY STREET TRAFFIC MAINTAINED
- TWO WAY - W. LIBERTY STREET LOCAL TRAFFIC MAINTAINED



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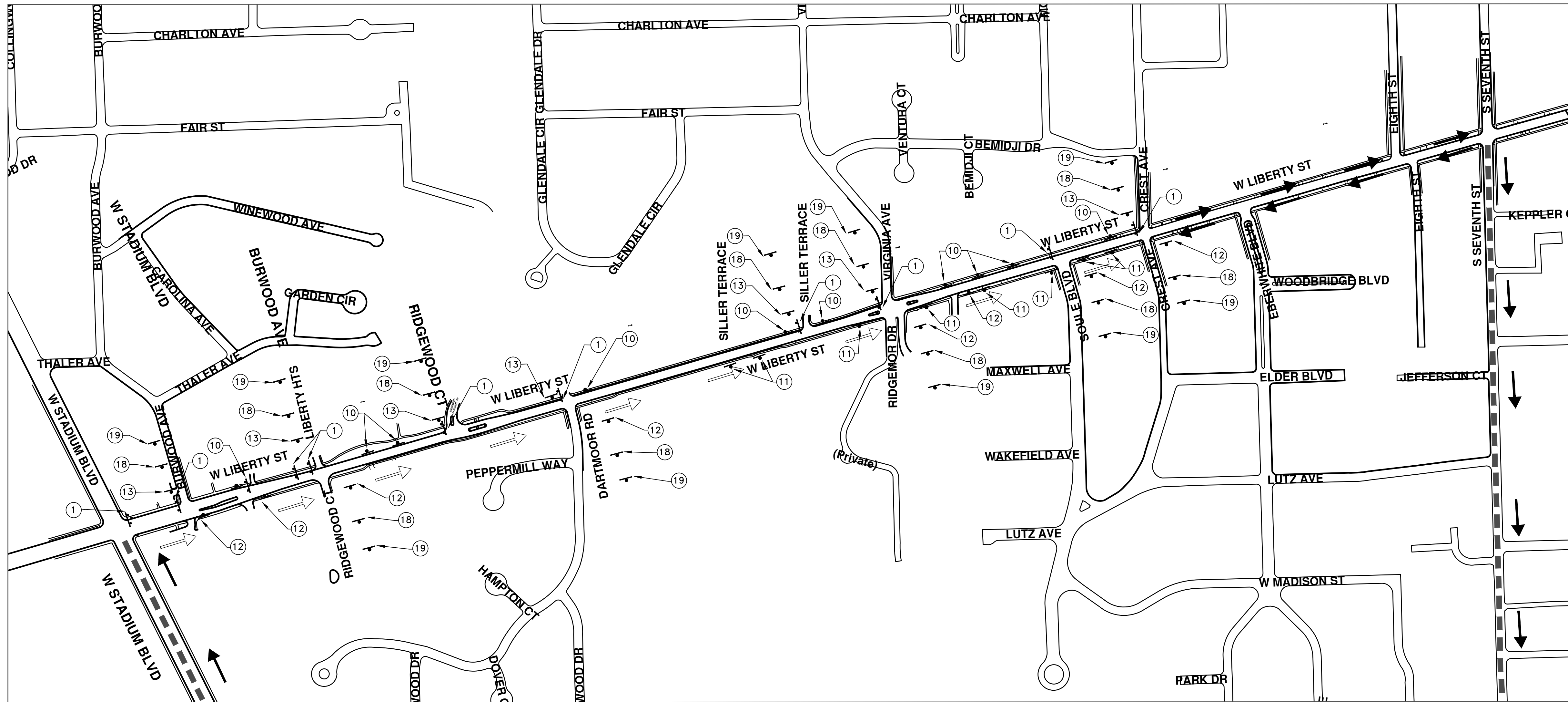
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STREET RESURFACING/RESTORATION
PROJECT - 2019
 WEST LIBERTY STREET
 DETOUR PLAN

SCALE PLAN: N.T.S.
 DRAWING No. 2019004-108
 SHEET No. 108 OF 121

T:\2019004\Plan Production\Major Streets\2019004 - West Liberty Street.dwg Created: 20-Dec-18 - _a2 standard bw.stb - Plot Date: 13-Mar-19

TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
	BARRICADE TYPE III HIGH INTENSITY LIGHTED	11	
	D3-1	0	
	M4-8a 24x18	0	
	D3-1	0	
	M4-9S 30x24	0	
	D3-1	0	
	M4-9R 30x24	0	
	D3-1	0	
	M4-9L (MOD.) 30x24	0	
	D3-1	0	
	M4-9R (MOD.) 30x24	0	
	D3-1	0	
	M4-9L (MOD.) 30x24	0	
	M4-10R 48x18	0	
	M4-10L 48x18	1	
	36"x12" R6-1R	10	
	36"x12" R6-1L	6	
	R3-2 24"x24"	5	
	R3-1 24"x24"	6	
	R11-2 48x30	0	
	R11-4 60x30	0	
	C20-2 48"x24"	0	
	W20-1 36x36	0	
	D3-1	0	
	W20-2 36x36	10	
	D3-1	10	
	W20-3 36x36	10	
	D3-1	10	
	W20-5R 36"x36"	0	
	W4-2R 36"x36"	0	



TRAFFIC CONTROL SIGN			
SIGN	NUMBER	QUANTITY	
	W20-5L 36"x36"	0	
	W4-2L 36"x36"	0	
	R5-18C 48"x48"	0	
	SPECIAL 48x66	0	
	SPECIAL 48x66	0	
	R5-1 36x36	0	
SIGN, PORTABLE, CHANGEABLE MESSAGE		VERIFY EXACT QUANTITY AND LOCATION WITH ENGINEER PRIOR TO ORDERING	

LEGEND:

- WEST BOUND W. LIBERTY STREET DETOUR ROUTE
- EAST BOUND W. LIBERTY STREET TRAFFIC MAINTAINED
- TWO WAY - W. LIBERTY STREET LOCAL TRAFFIC MAINTAINED

DETOUR CONSTRUCTION NOTES:

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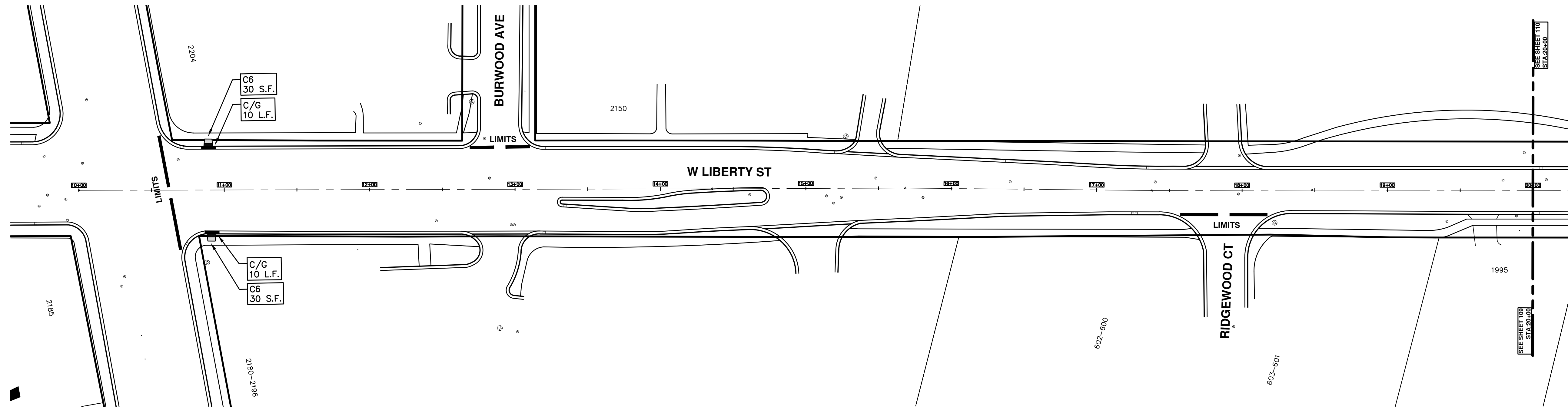
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STREET RESURFACING/RESTORATION
PROJECT - 2019
 WEST LIBERTY STREET
 TRAFFIC CONTROL

SCALE PLAN: ###
 DRAWING No. 2019004-109
 SHEET No. 109 OF 121

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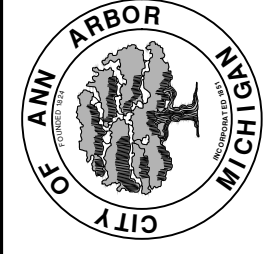


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 PROJECT - 2019
 WEST LIBERTY STREET
 STA. 10+00 - STA. 20+00

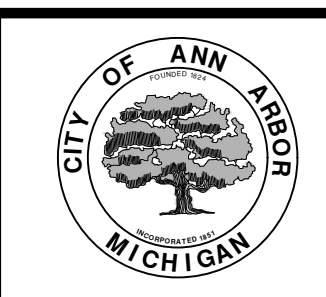
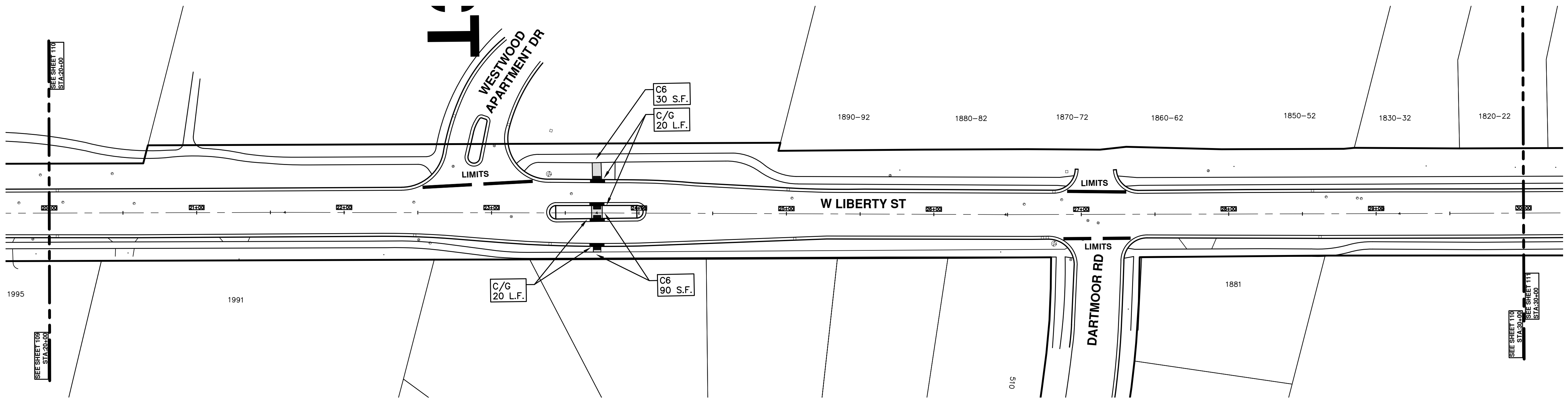
SHEET No. 110 OF 121

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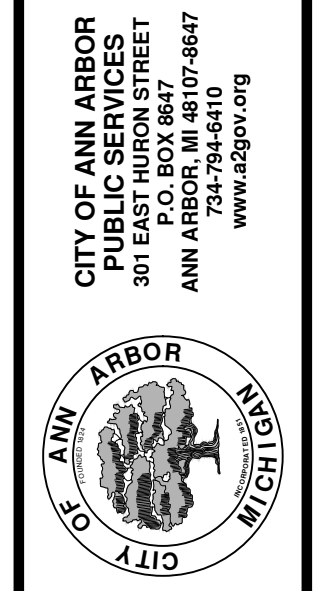




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 STA. 20+00 - STA. 30+00

SCALE PLAN: ###
 DRAWING No. 2019004-111

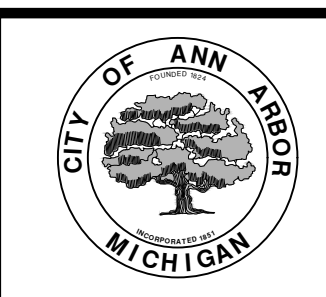
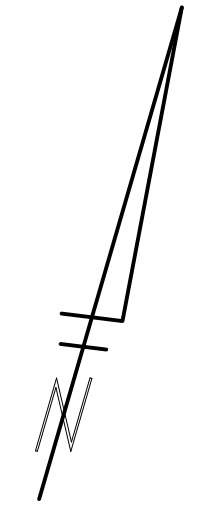
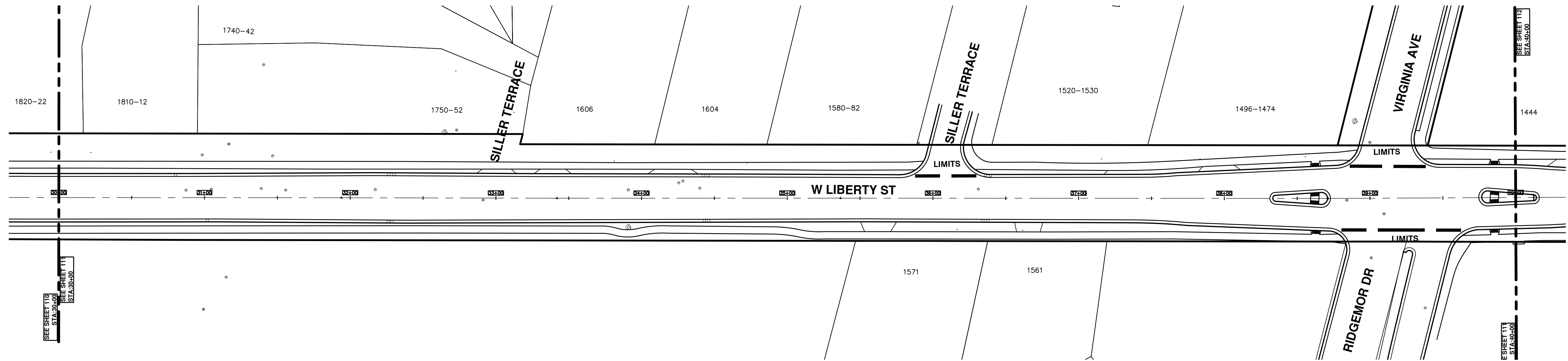


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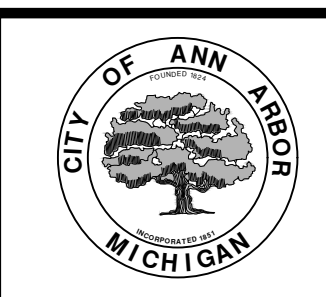
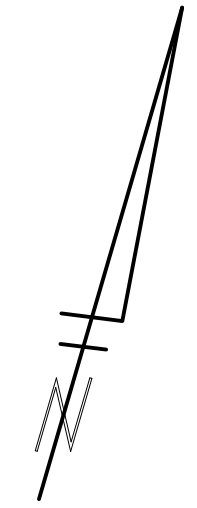
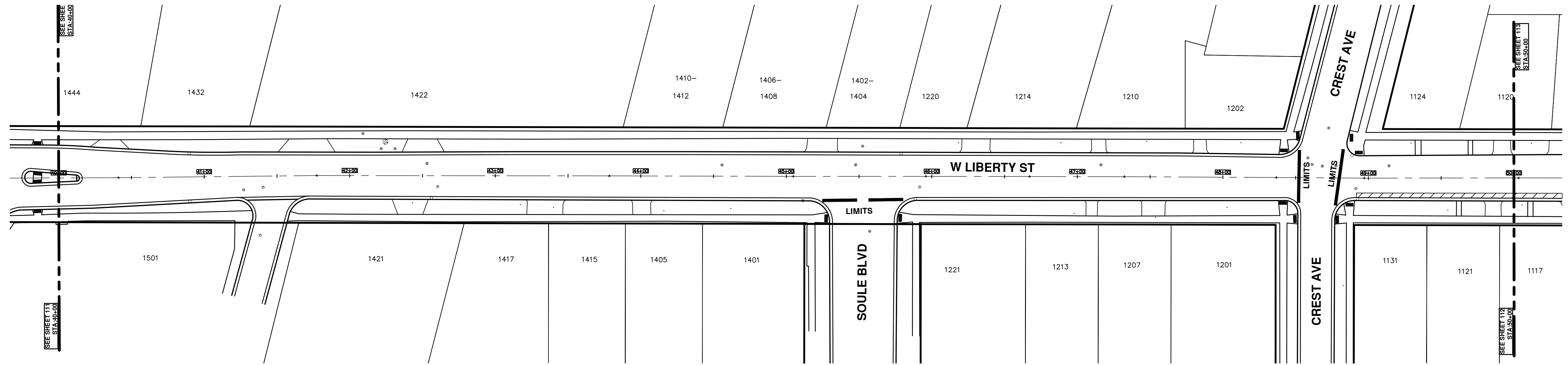
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SCALE PLAN: ###
 DRAWING No. 2019004-112
 SHEET No. 112 OF 121

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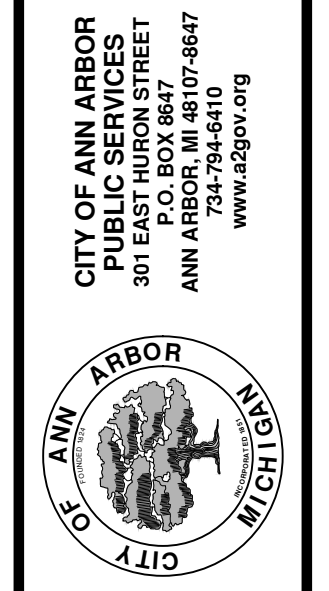


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 STA. 40+00 - STA. 50+00

SCALE PLAN: ###
 DRAWING No. 2019004-113

SHEET No. 113 OF 121

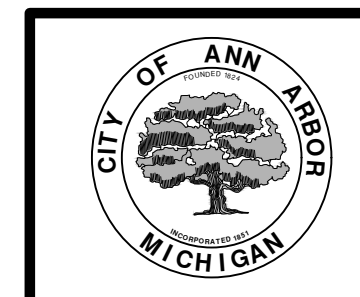
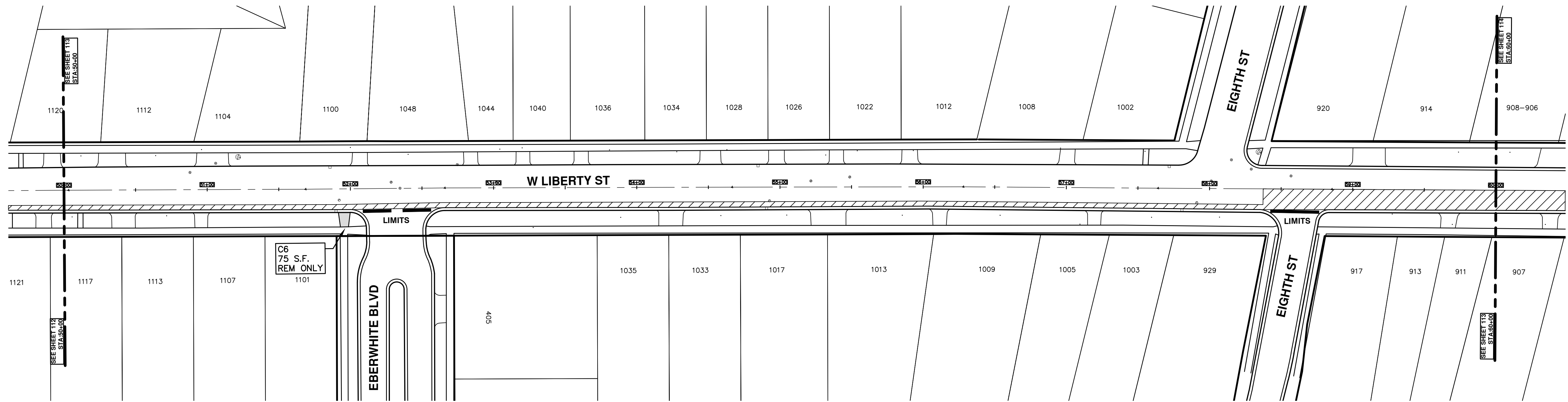


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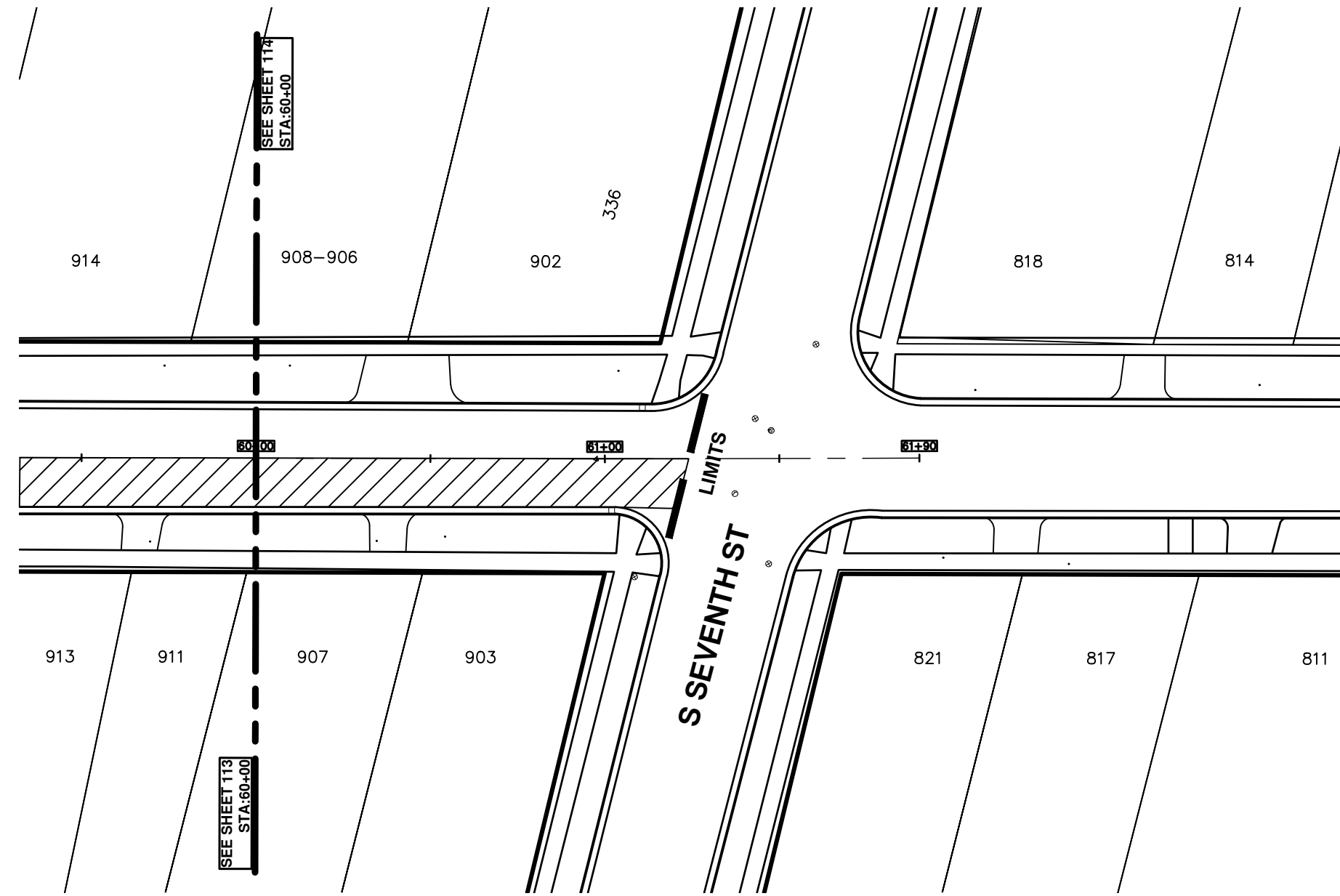
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 STA. 60+00 - STA. 64+00

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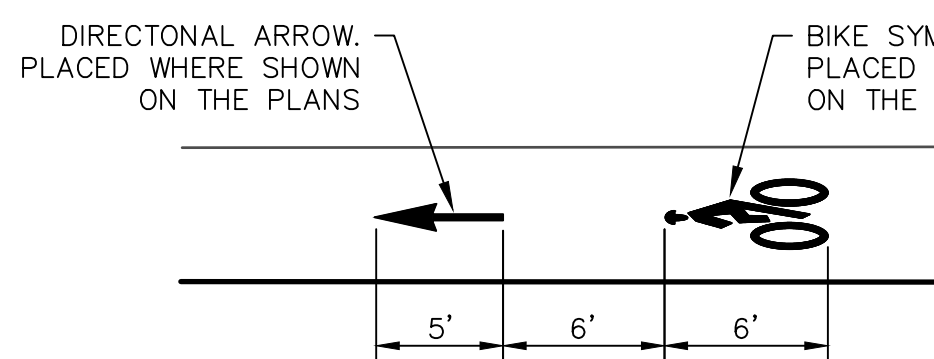
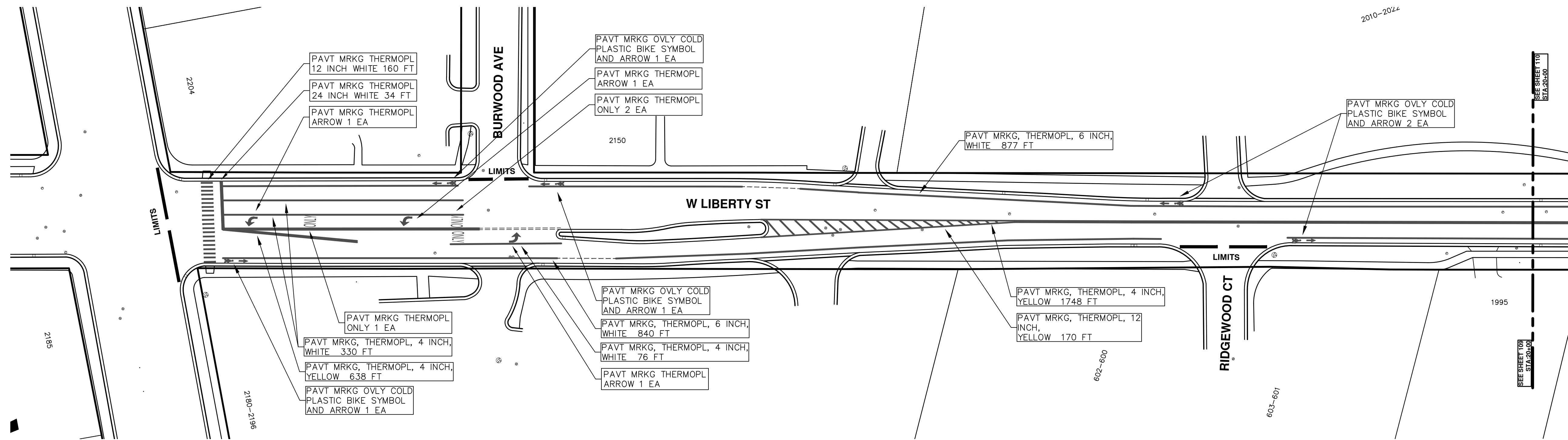
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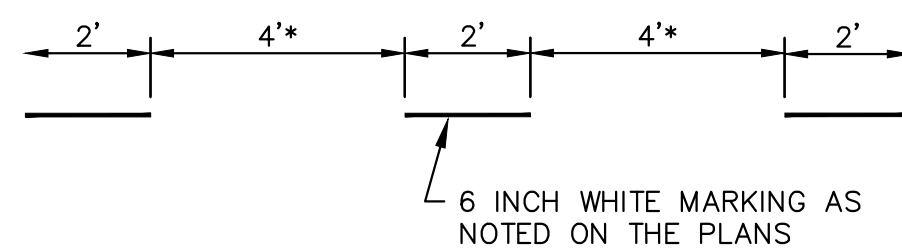
CITY OF ANN ARBOR
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REV.	DESCRIPTION	DATE	AI/CS/CE	DRAWN	DAD	CHECKED
00	BID SET	03-13-2019	AI/CS/CE	DRAWN	DAD	CHECKED

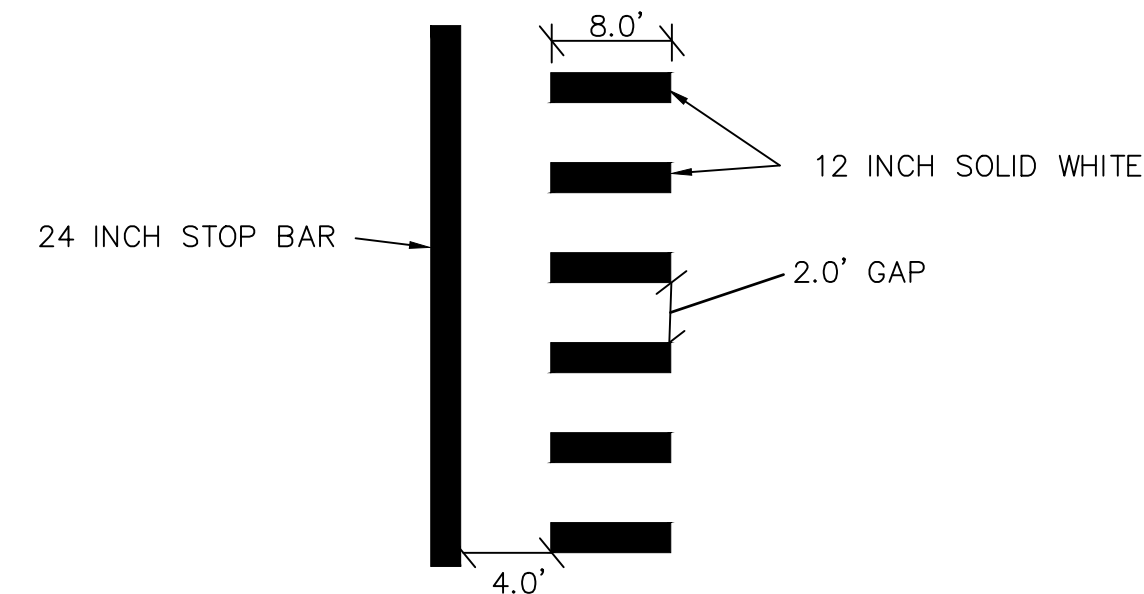
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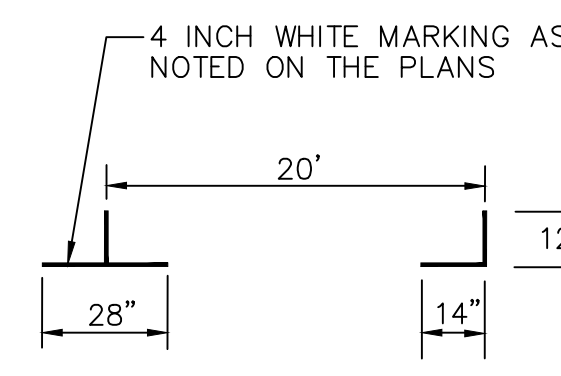
**BIKE SYMBOL
DETAIL**



DOTTED LINE DETAIL



STOP BAR AND CROSSWALK DETAIL



PARKING DETAIL



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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

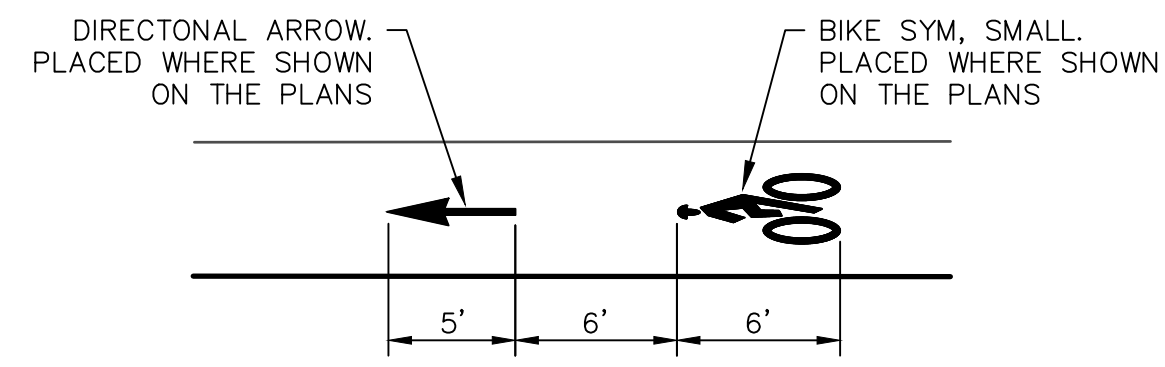
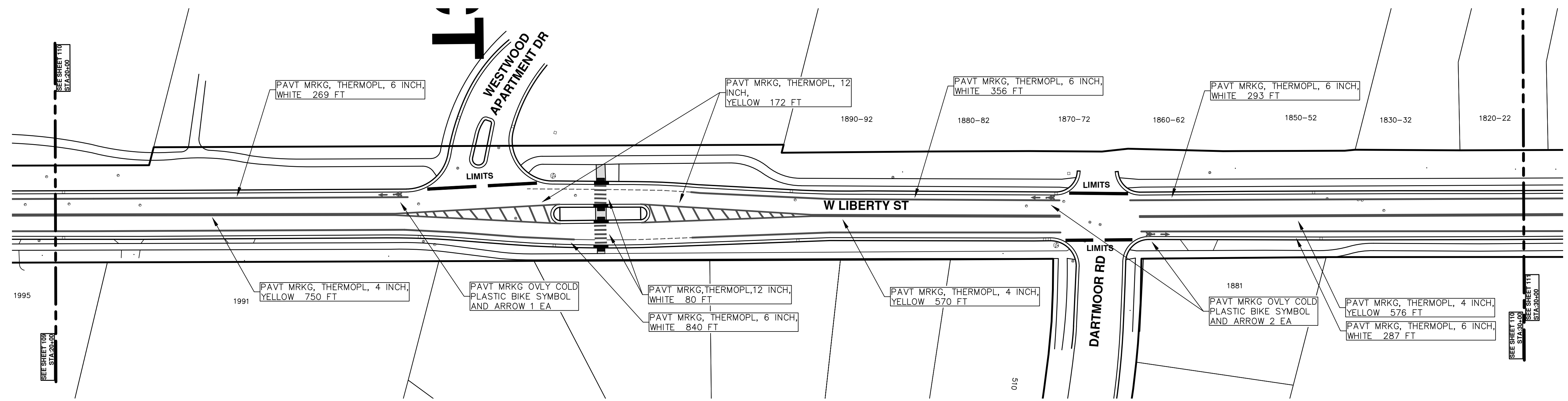
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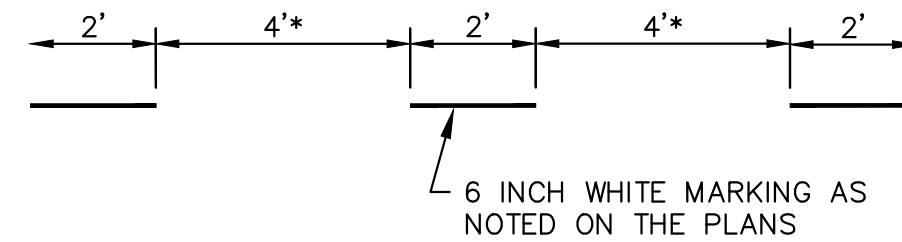
ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION
PROJECT - 2019
WEST LIBERTY STREET
STA. 10+00 - STA. 20+00 PAVT.MRKG

SCALE PLAN: ###
DRAWING No. 2019004-116

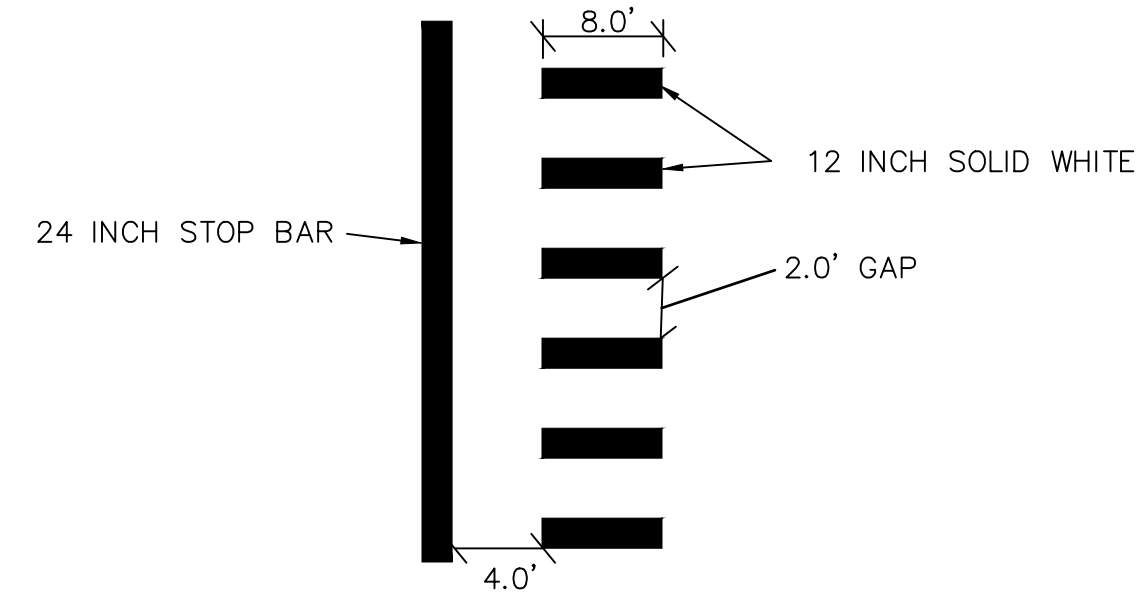
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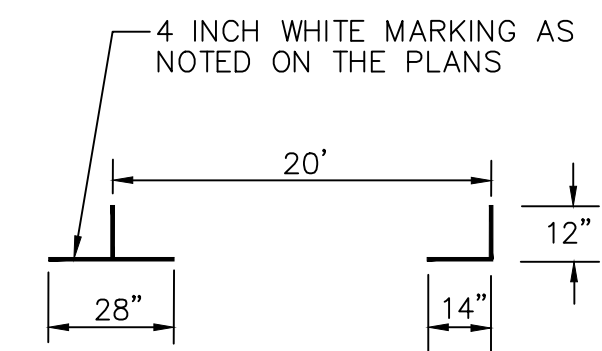
BIKE SYMBOL DETAIL



DOTTED LINE DETAIL



STOP BAR AND CROSSWALK DETAIL



PARKING DETAIL

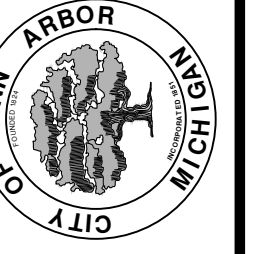


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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	03-13-2019	AH.GS.CE	DAD

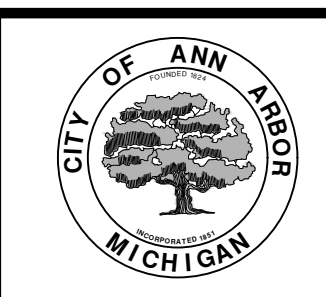
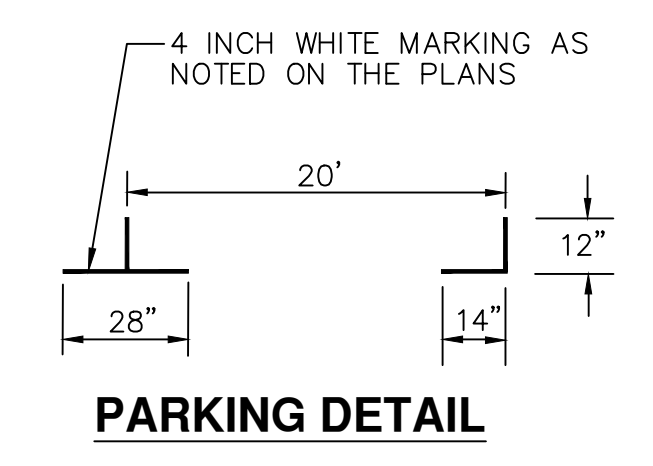
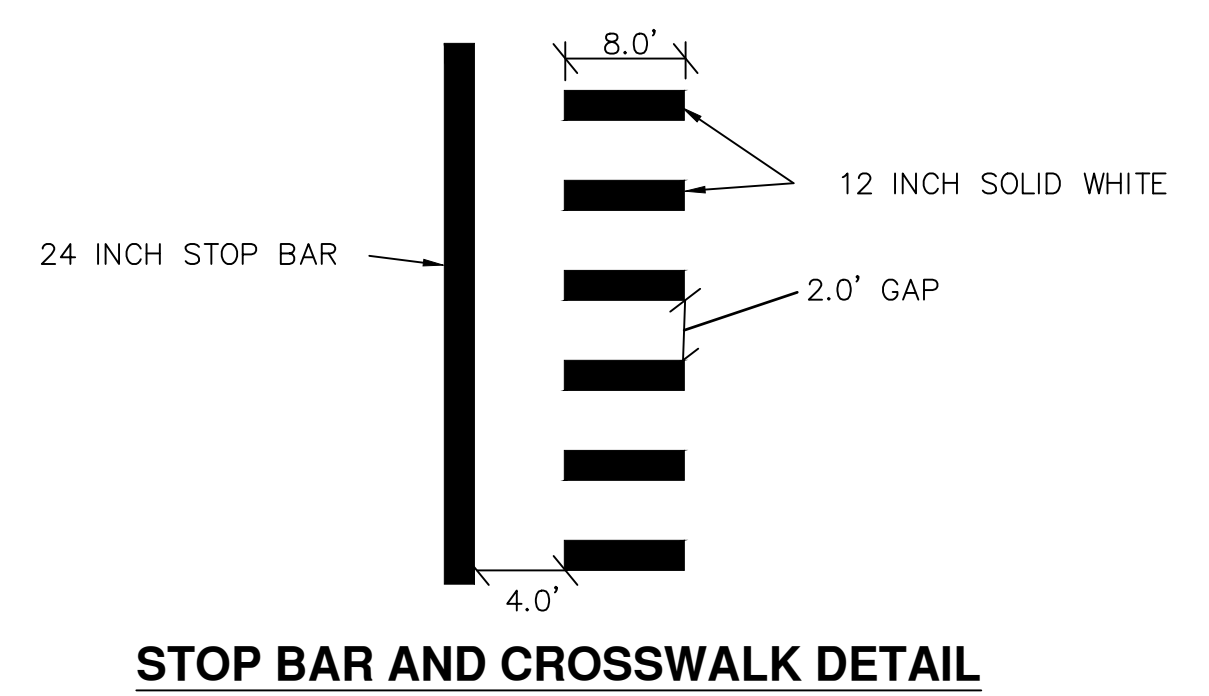
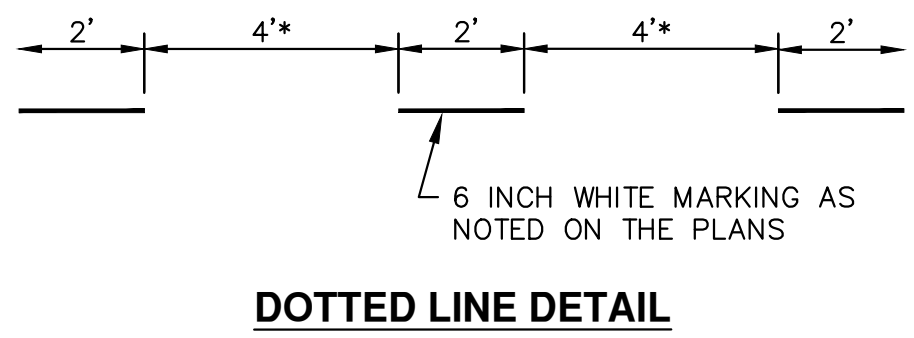
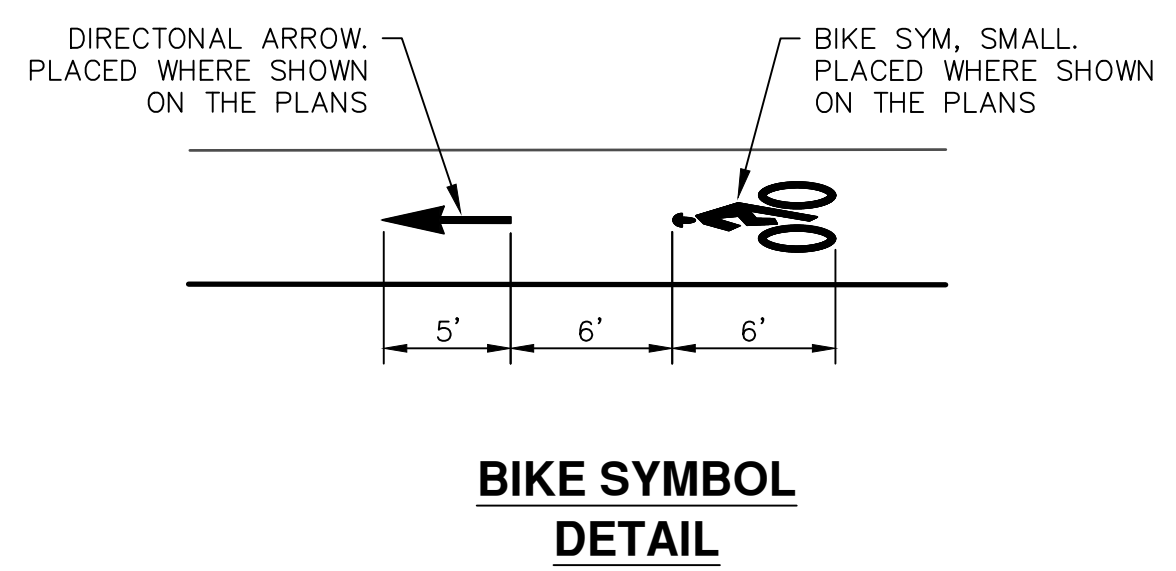
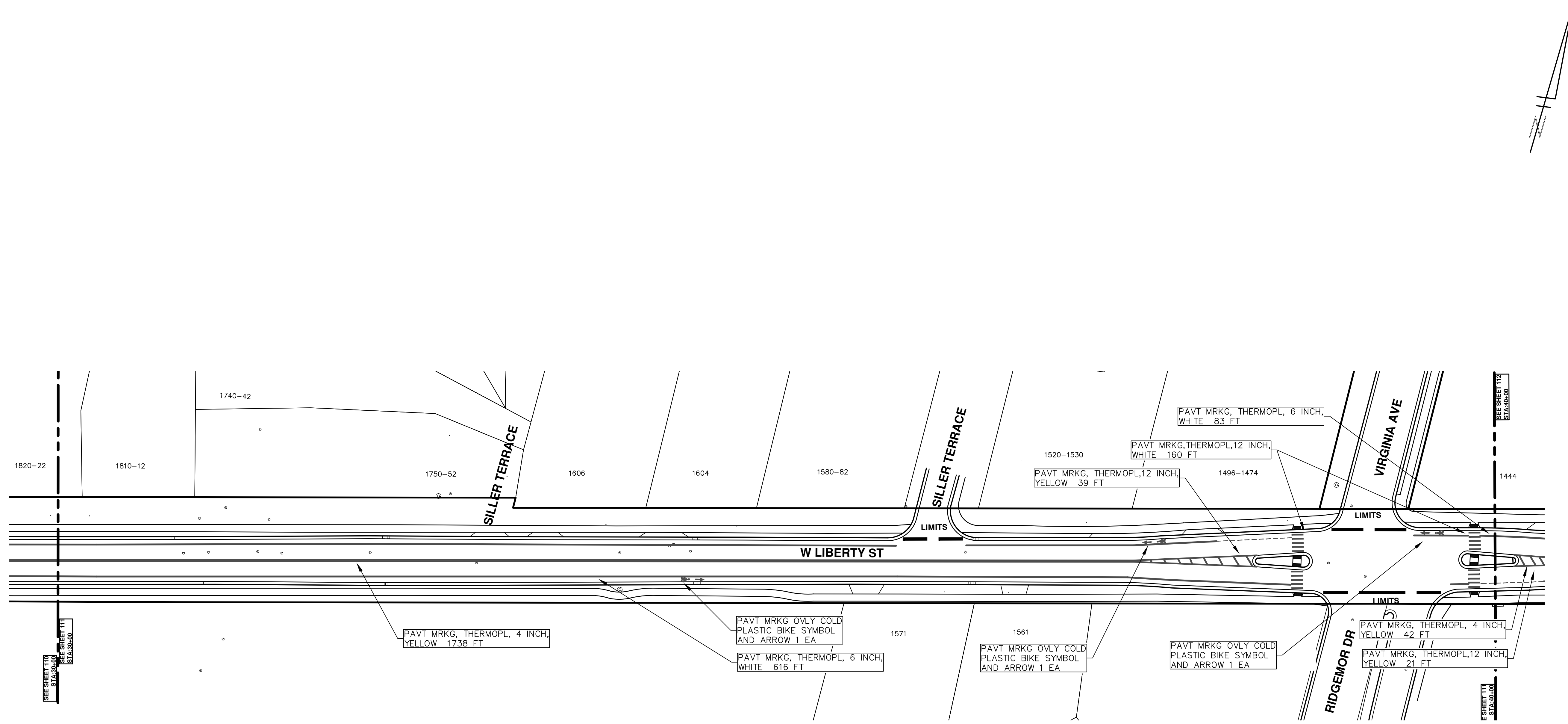
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STREET RESURFACING/RESTORATION
PROJECT - 2019
 WEST LIBERTY STREET
 STA. 20+00 - STA. 30+00 PAVT MRKG

SCALE PLAN: ###
 DRAWING No. 2019004-117

T:\2019004\Plan Production\Major Streets\2019004 - West Liberty Street.dwg Dwg Created: 20-Dec-18 - _a2 standard bw.stb - Plot Date: 13-Mar-19



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811
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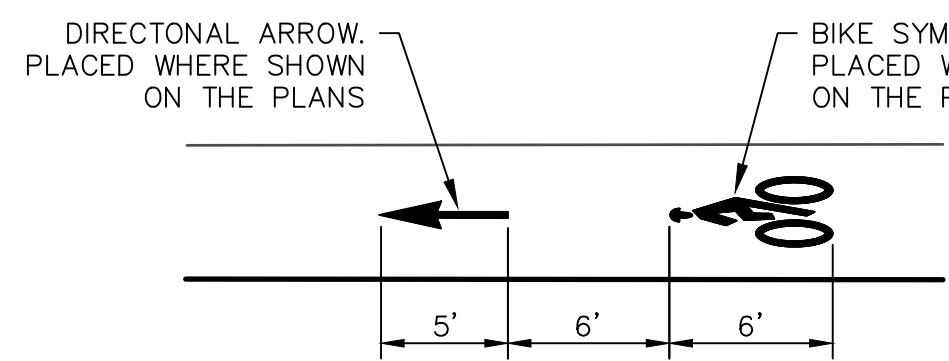
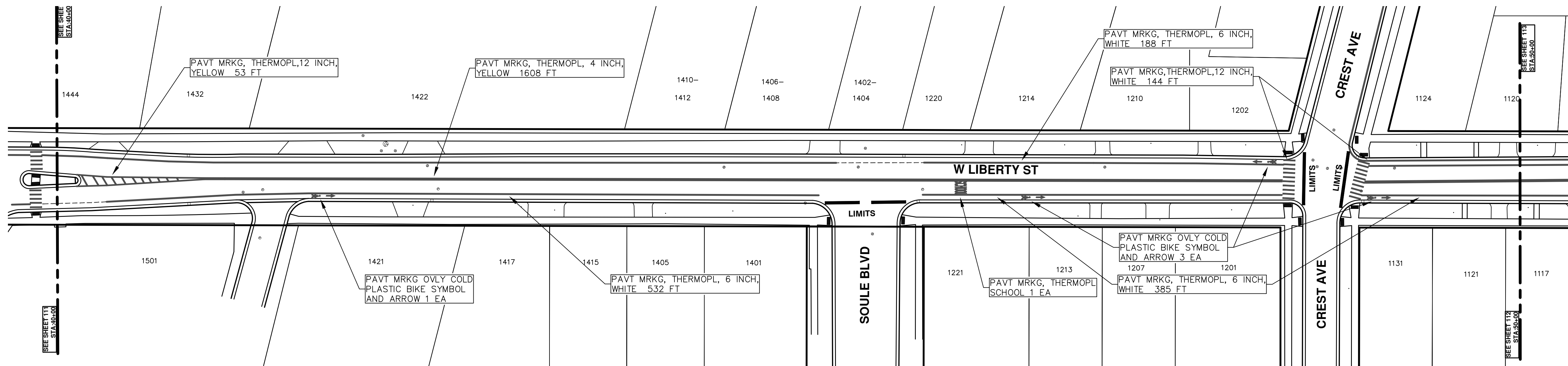
REV.	00	BID SET	03-13-2019	DATE	AIH.GS.CE	DAD	CHECKED
REV.							

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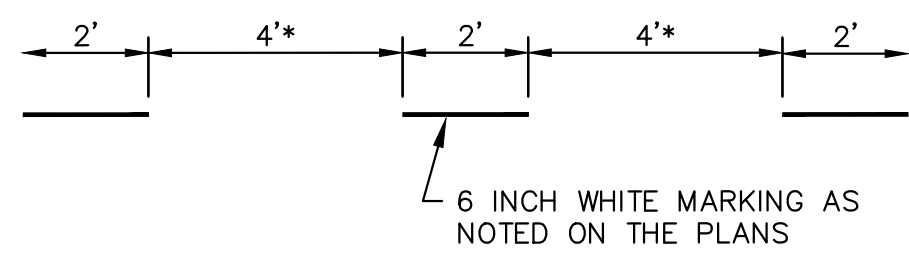
ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION
PROJECT - 2019
 WEST LIBERTY STREET
 STA. 30+00 - STA. 40+00 PAVT MRKG

SCALE PLAN: ###
 DRAWING No. 2019004-118
 SHEET No. 118 OF 121

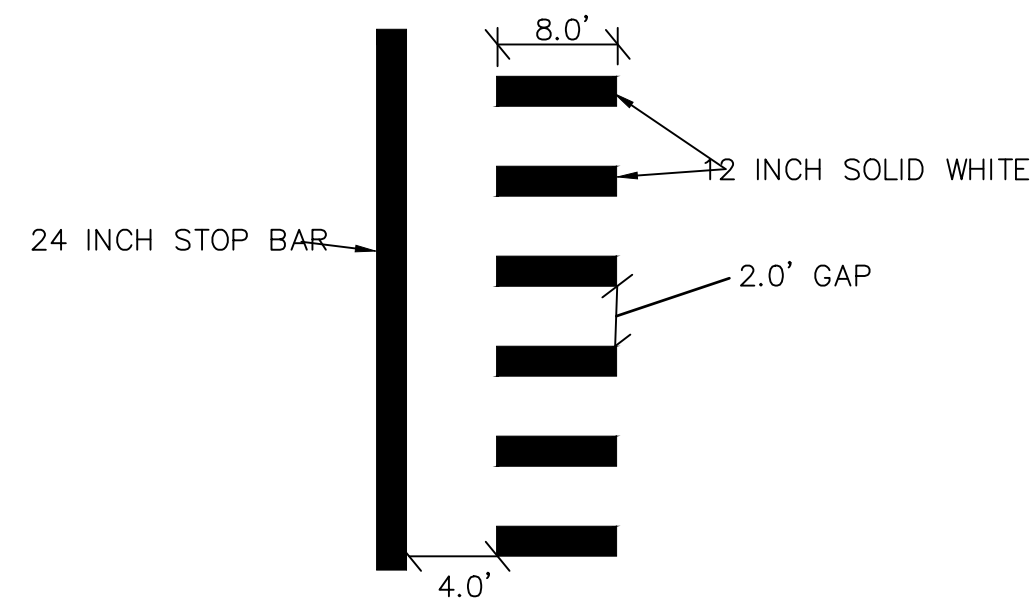
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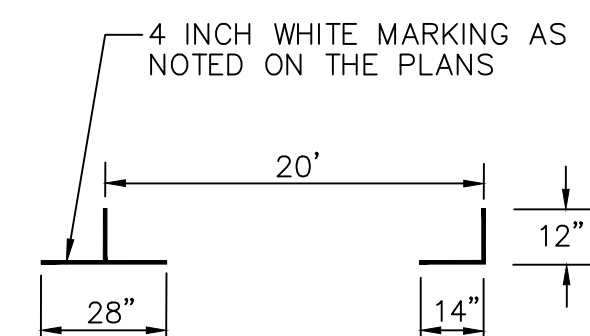
BIKE SYMBOL DETAIL



DOTTED LINE DETAIL



STOP BAR AND CROSSWALK DETAIL



PARKING DETAIL

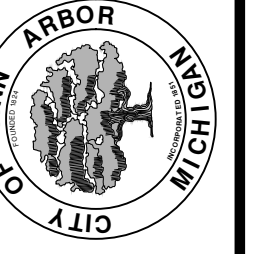


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NO	BID SET	DATE	DESCRIPTION	REV.
		03-13-2019	AI.GS.CE	DAD
				CHECKED

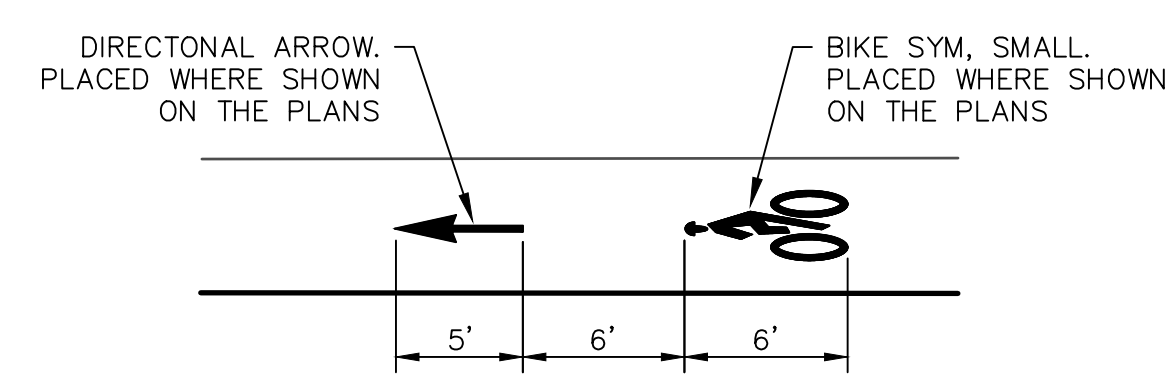
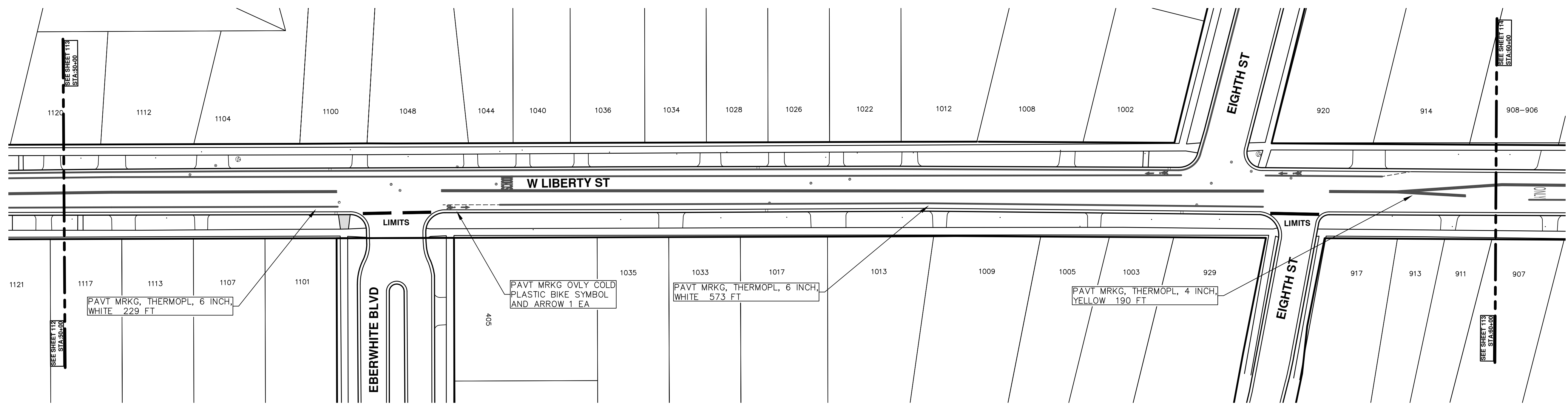
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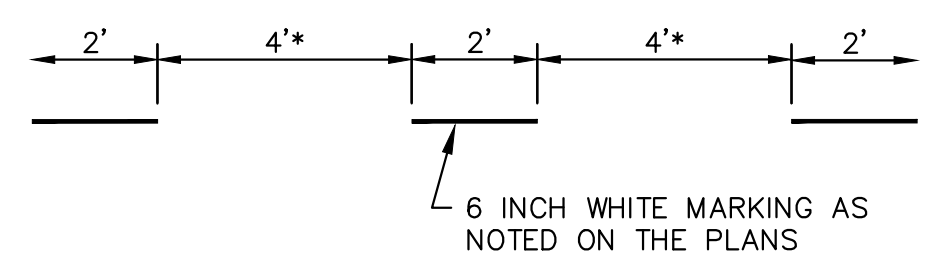
ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
STREET RESURFACING/RESTORATION
PROJECT - 2019
 WEST LIBERTY STREET
 STA. 40+00 - STA. 50+00 PAVT MRKG

SCALE PLAN: ###
 DRAWING No. 2019004-119

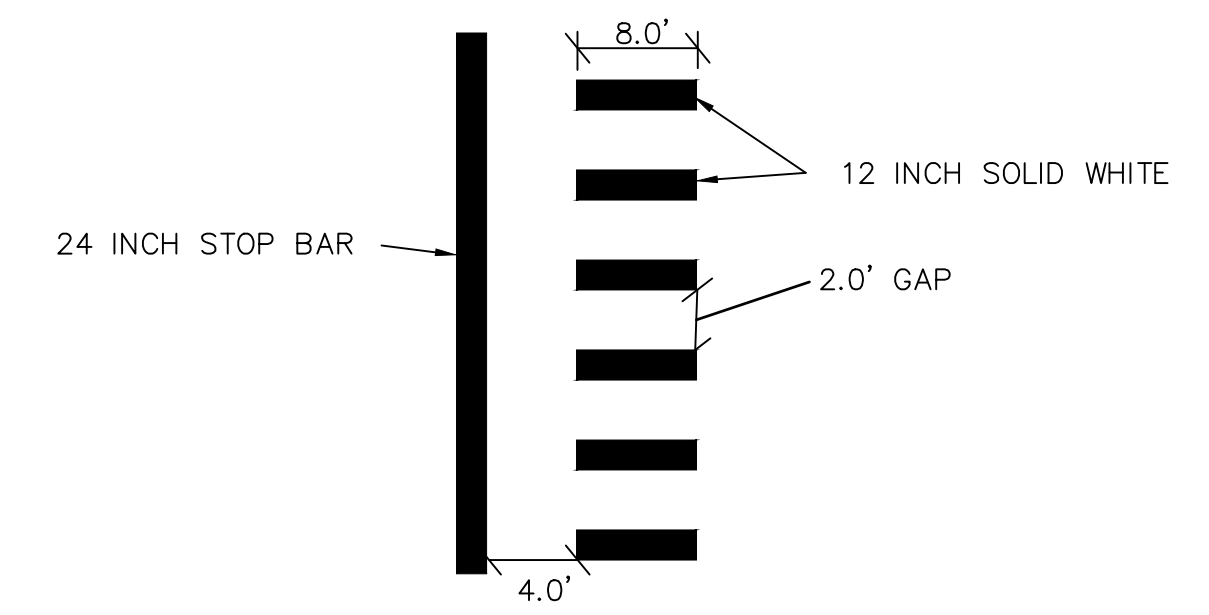
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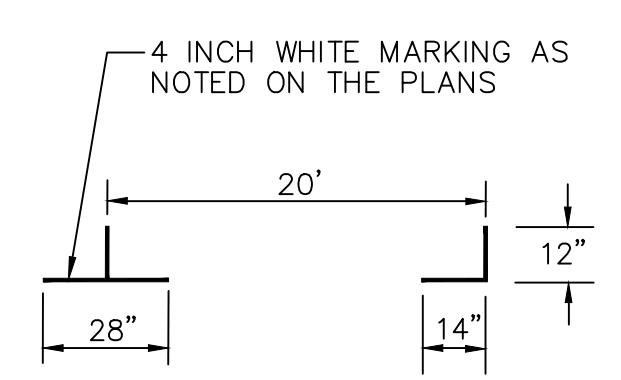
BIKE SYMBOL DETAIL



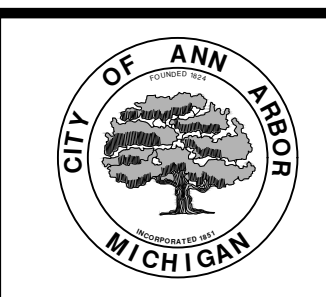
DOTTED LINE DETAIL



STOP BAR AND CROSSWALK DETAIL



PARKING DETAIL

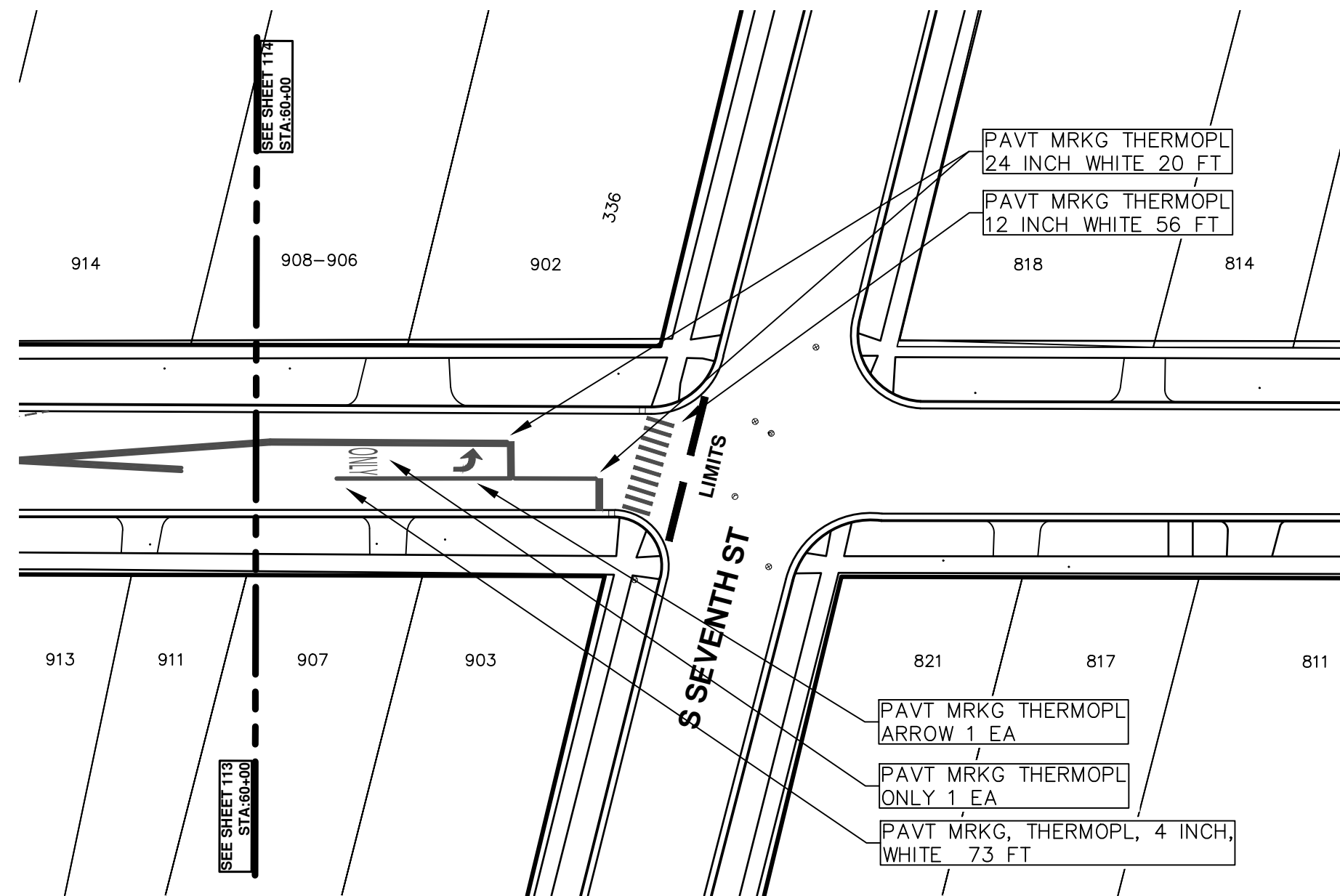
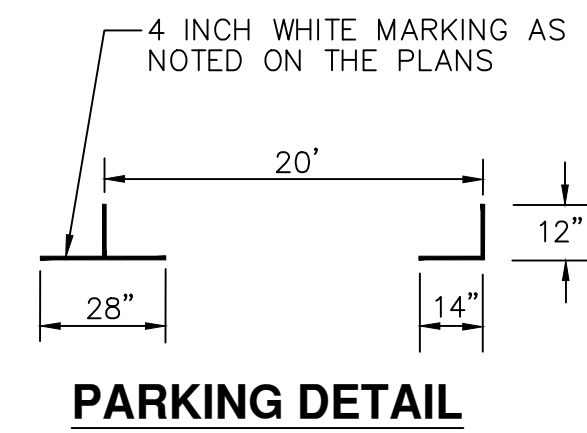
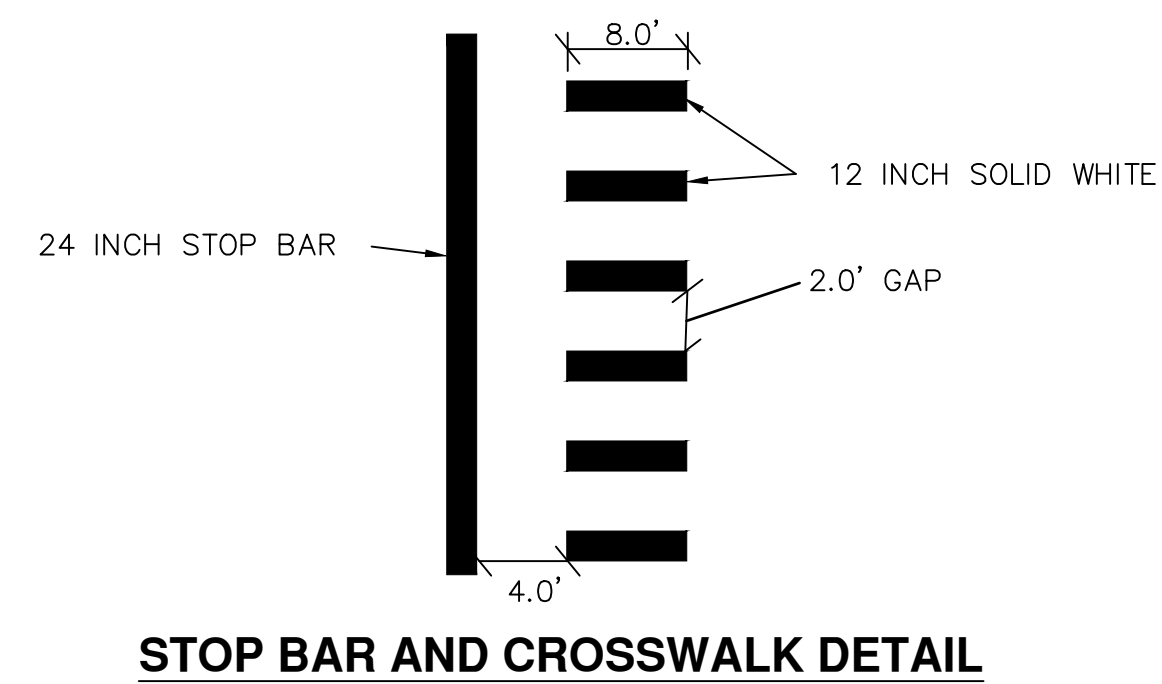
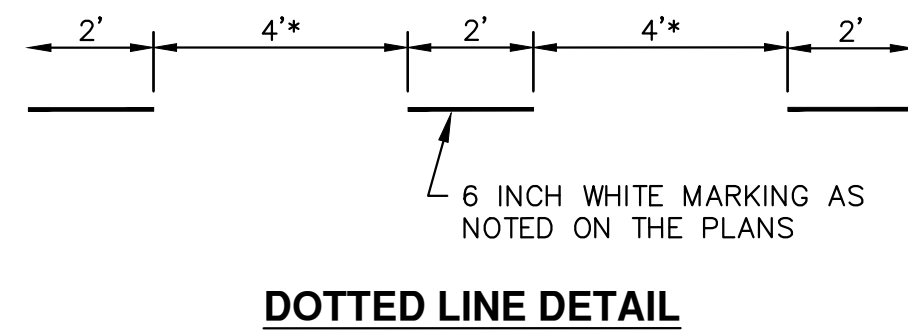
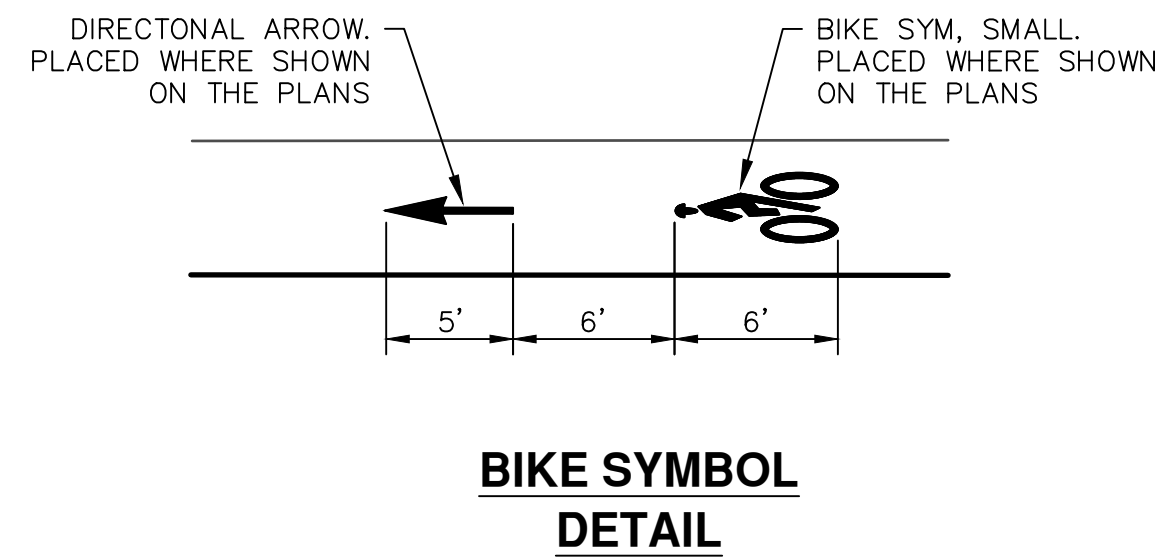


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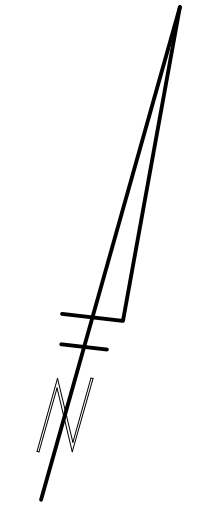
		ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR STREET RESURFACING/RESTORATION PROJECT - 2019 WEST LIBERTY STREET STA. 50+00 - STA. 60+00 PAVT MRKG	
SCALE PLAN: ### DRAWING No. 2019004-120	CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET P.O. BOX 8647 ANN ARBOR, MI 48107-8647 www.a2gov.org	03-13-2019 DATE	AH.GS.CE DRAWN
00 REV.	BID SET DRAWN	DAD CHECKED	DAD CHECKED
SHEET No. 120 OF 121		DESCRIPTION	



T:\2019004\Plan Production\Major Streets\2019004 - West Liberty Street.dwg Dwg Created: 20-Dec-18 - _a2 standard bw.stb - Plot Date: 13-Mar-19



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		ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR STREET RESURFACING/RESTORATION PROJECT - 2019 WEST LIBERTY STREET STA. 60+00 - STA. 61+90 PAVT MRKG	
SCALE PLAN: ### DRAWING No. 2019004-121	CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET ANN ARBOR, MI 48107-8647 www.a2gov.org	REV. 00 BID SET DATE 03-13-2019 DESCRIPTION	DAD DRAWN CHECKED
SHEET No. 121 OF 121		Know what's below. Call before you dig.	