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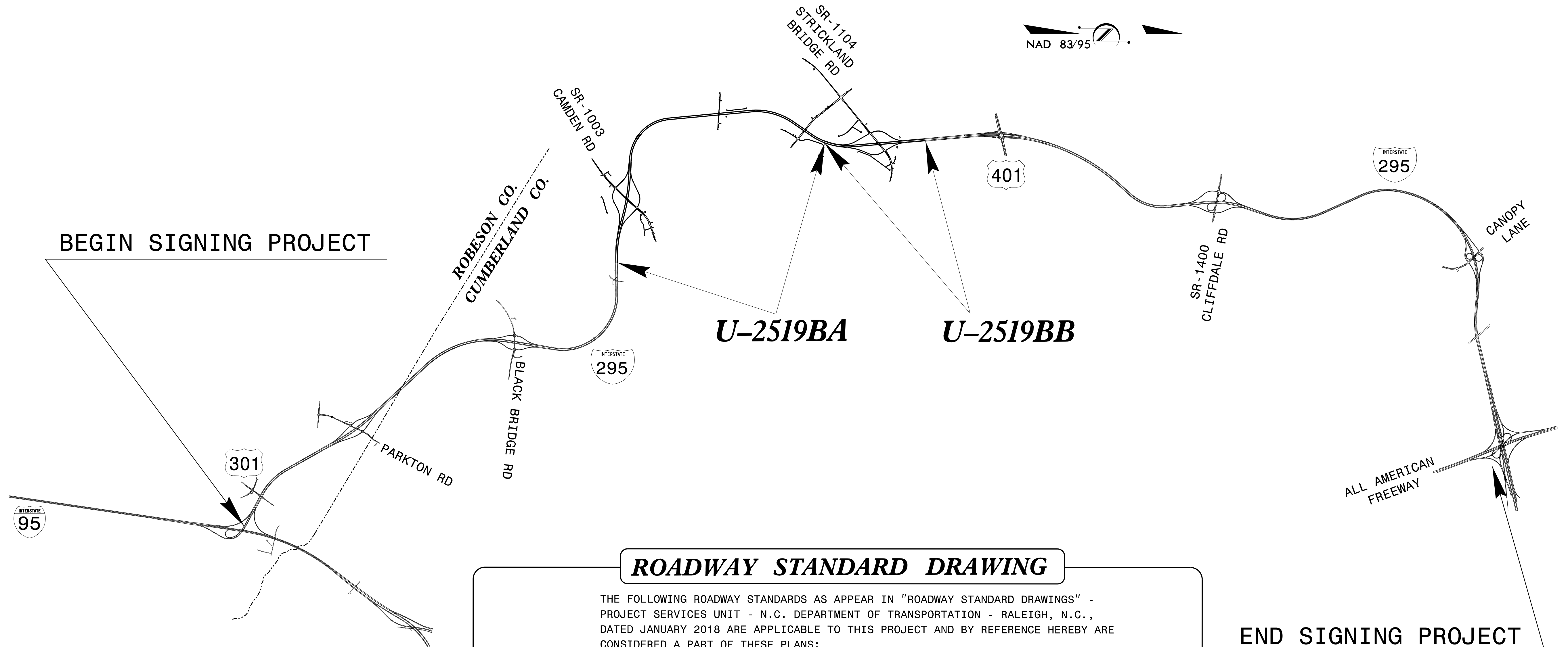
CONTRACT: C204335/C204110 **T.I.P. PROJECT: U-2519BA/U-2519BB**

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
CUMBERLAND COUNTY

LOCATION: FAYETTEVILLE OUTER LOOP FROM SOUTH OF
SR 1003 (CAMDEN ROAD) TO SOUTH OF US 401

TIP NO.	SHEET NO.
U-2519BA/U-2519BB	SIGN-1
APPROVED: David M. Eaton	
DATE: 02/11/2022	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" -
 PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C.,
 DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE
 CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
901.10	TYPE 'A' SIGNS (SHEET 2 of 2)
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - FOR TYPE A AND TYPE B SIGNS
903.10	GROUND MOUNTED SIGN SUPPORTS (SHEETS 1 AND 3 OF 3)
903.30	BARRIER SIGN SUPPORT ASSEMBLY
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.40	MILEPOST AND PLACEMENT
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS (SHEET 2 OF 2)

END SIGNING PROJECT

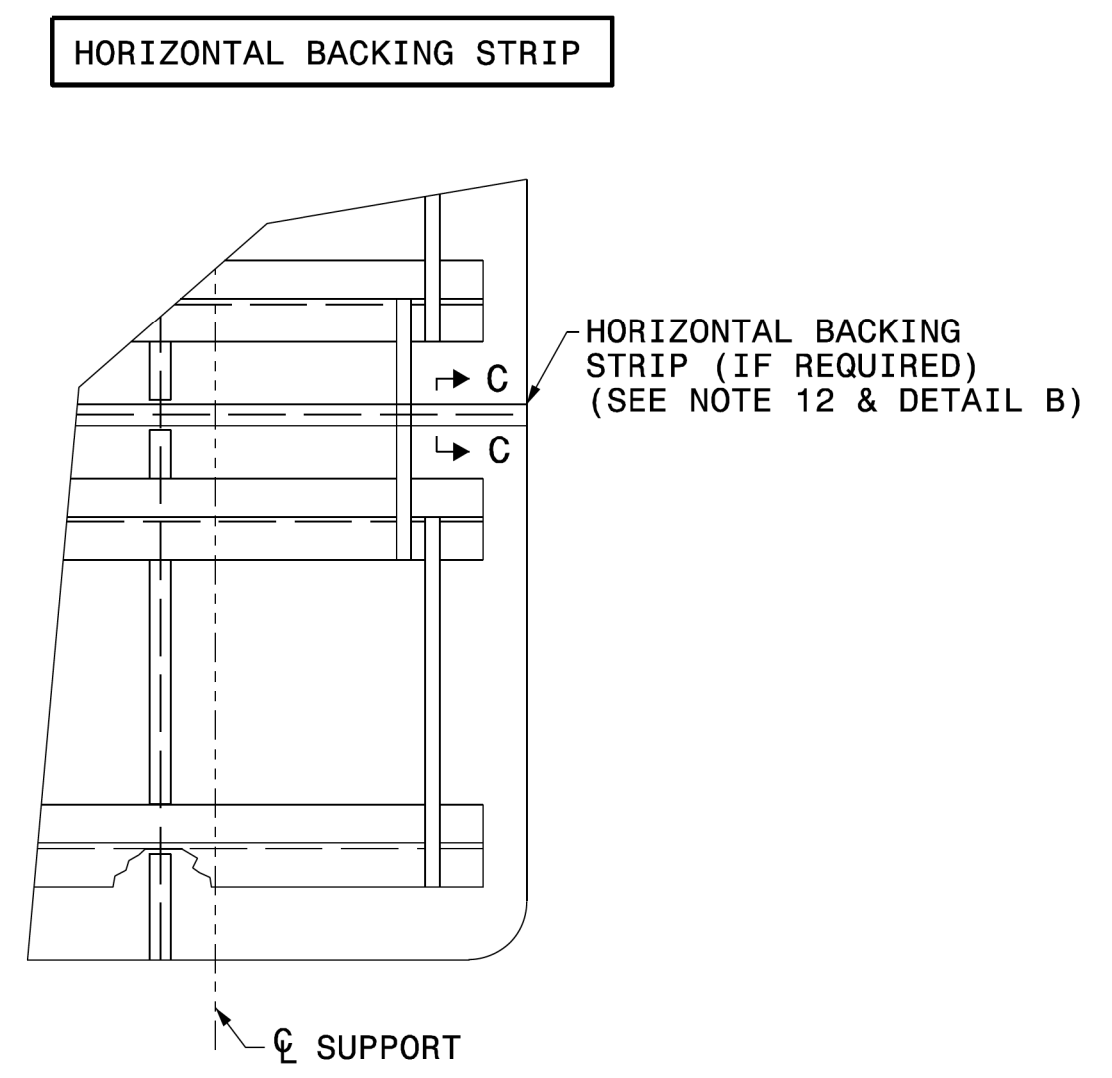
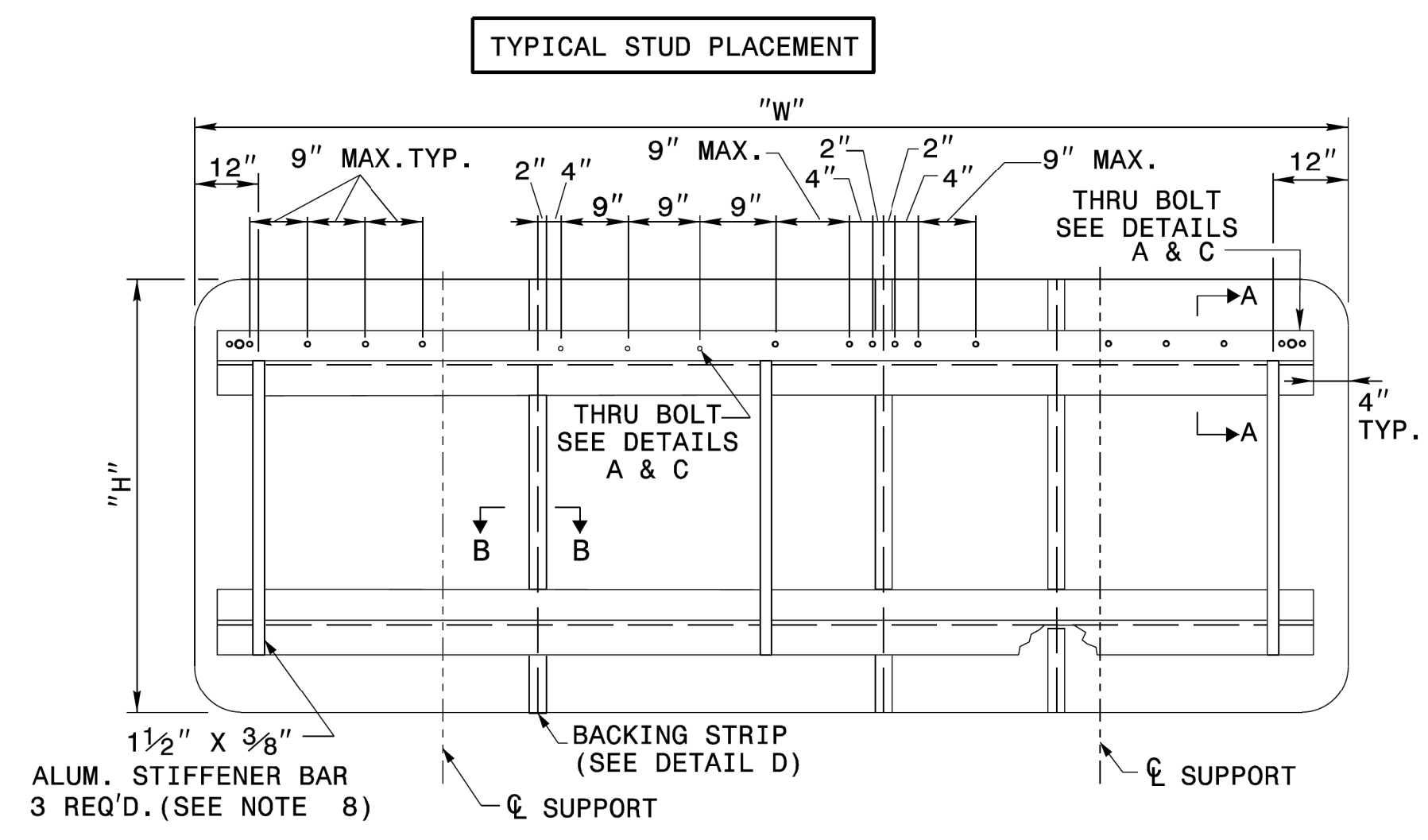
TIP NO. SHEET NO.
DocuSigned by:
APPROVED: *Matthew V. Springer*
DATE: 3/21/2019
SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 042546 MATTHEW V. SPRINGER

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

2-19

ENGLISH DETAIL DRAWING FOR
TYPE 'A' SIGNS
WELDED STUD CONSTRUCTION

SHEET 1 OF 2
901D10



NOTES:

1. USE THE NUMBER AND SIZE OF SUPPORTS SHOWN ON THE SUPPORT CHART IN PROJECT PLANS.
2. FABRICATE SIGN PANEL SECTIONS WITH SHEETS 4'-0" WIDE. WHEN FABRICATING SIGNS WHICH ARE NOT MULTIPLES OF 4'-0" IN WIDTH, DO NOT CUT MORE THAN TWO SHEETS TO LESS THAN 4'-0" IN WIDTH. THESE PANELS SHALL NOT BE LESS THAN 1'-0" IN WIDTH.
3. SEE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, FOR TYPE OF MATERIAL TO BE USED FOR SIGN PANELS, HANGER ASSEMBLIES, AND SUPPORTS.
4. USE GALVANIZED STEEL FOR BACKING PLATES AND MOUNTING BOLTS.
5. SEE ROADWAY STANDARD 904.20 WHEN TYPE "B" SECONDARY SIGN MOUNTING IS REQUIRED.
6. DETAILS FOR TYPE "A" SECONDARY SIGNS SHALL BE THE SAME AS FOR TYPE "A" SIGNS.
7. THE VERTICAL DIMENSION BETWEEN PRIMARY AND SECONDARY SIGNS IS TWO (2) INCHES.
8. ADJUST STIFFENERS TO AVOID CONFLICT WITH SUPPORTS.
9. SEE ROADWAY STANDARD 901.70 FOR SUPPORT AND "Z" BAR SPACING.
10. FABRICATE SIGNS TALLER THAN 12'-0" AS TWO SEPARATE SIGNS WITH A HORIZONTAL SPLICE. LOCATE STRINGERS ON EACH SECTION OF THE SIGN BY THE SIGN STRINGER CHART. (SEE ROADWAY STANDARD 901.70)
11. FABRICATE SIGNS TALLER THAN 12'-0" BUT SHORTER THAN 14'-6" WITH A HORIZONTAL SPLICE LOCATED 7'-0" FROM BOTTOM OF SIGN.
12. FABRICATE SIGNS 14'-6" TALL AND TALLER WITH A HORIZONTAL SPLICE. LOCATE THE SPLICE AT LEAST HALF OF THE SIGN HEIGHT FROM THE BOTTOM AND AT LEAST 7'-0" FROM THE TOP.
13. THERE SHALL ONLY BE A 1/8" GAP BETWEEN THE VERTICAL BACKING STRIP AND THE "Z" BAR.
14. SEE ROADWAY STANDARD 901.80 FOR DETAILS SHOWING SIGN MOUNTING TO SUPPORTS.
15. PLACE NYLON WASHER UNDER HEAD OF 3/8" THRU BOLTS.
16. FABRICATE EACH SIGN WITH 3/8" DIA. THRU BOLT, 4" FROM EACH END OF EACH "Z" BAR THRU SIGN PANEL AND "Z" BAR. SEE DETAILS A & C.
17. FABRICATE EACH SIGN WITH 3/8" DIA. THRU BOLT CENTERED IN EACH PANEL THRU THE TOP AND BOTTOM "Z" BAR. CENTERED THRU BOLT REQUIRED IN END PANELS GREATER THAN 2'-0" WIDE. SEE DETAILS A & C.
18. THRU BOLTS WILL HAVE A MINIMUM 1/16" TO MAXIMUM 1/8" GAP

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.


2-19

ENGLISH DETAIL DRAWING FOR
TYPE 'A' SIGNS
WELDED STUD CONSTRUCTION

SHEET 1 OF 2
901D10

**REVISED SIGNING
ROADWAY STANDARD DRAWING**

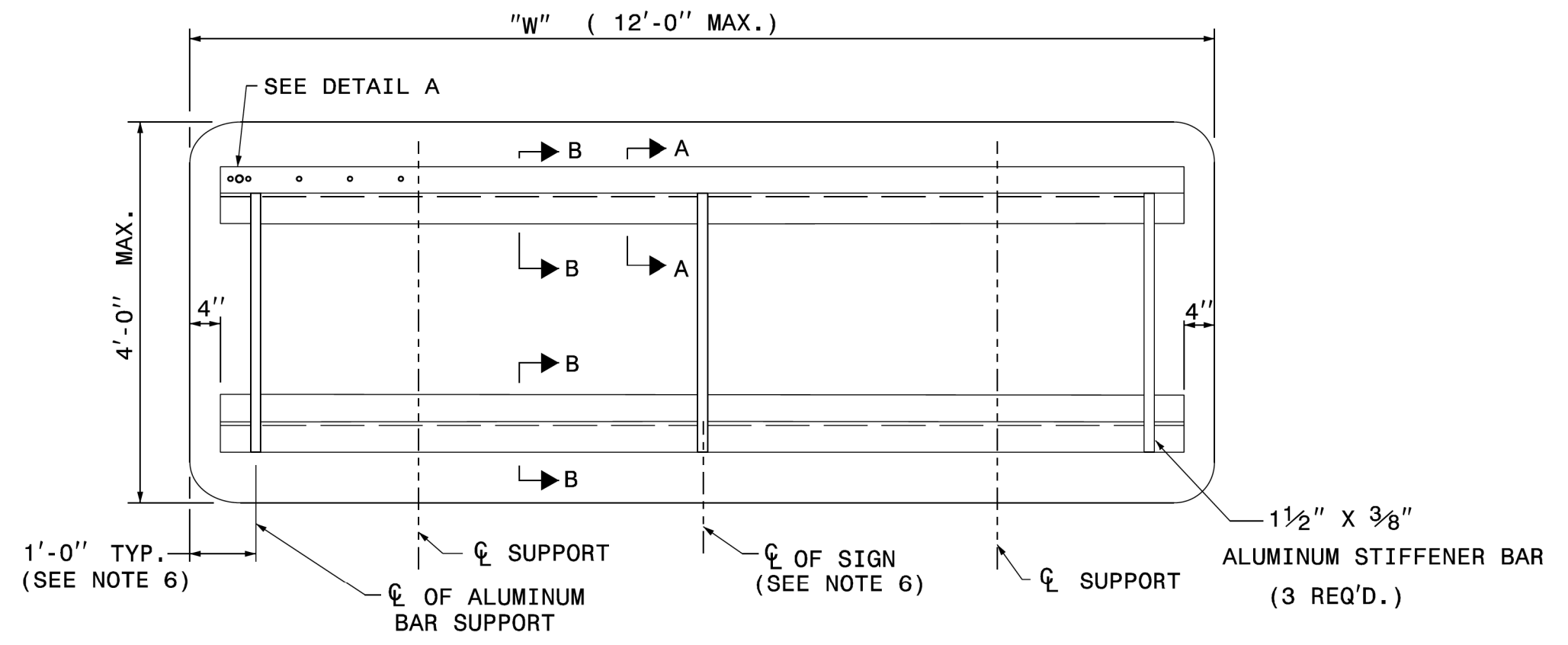
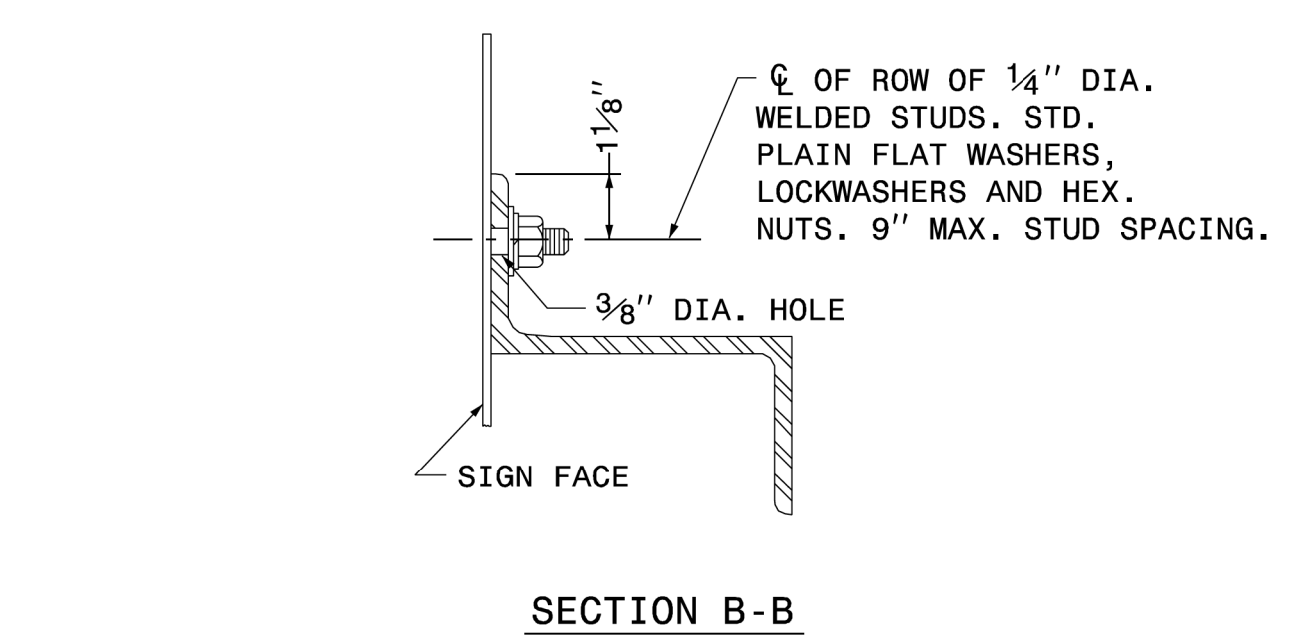
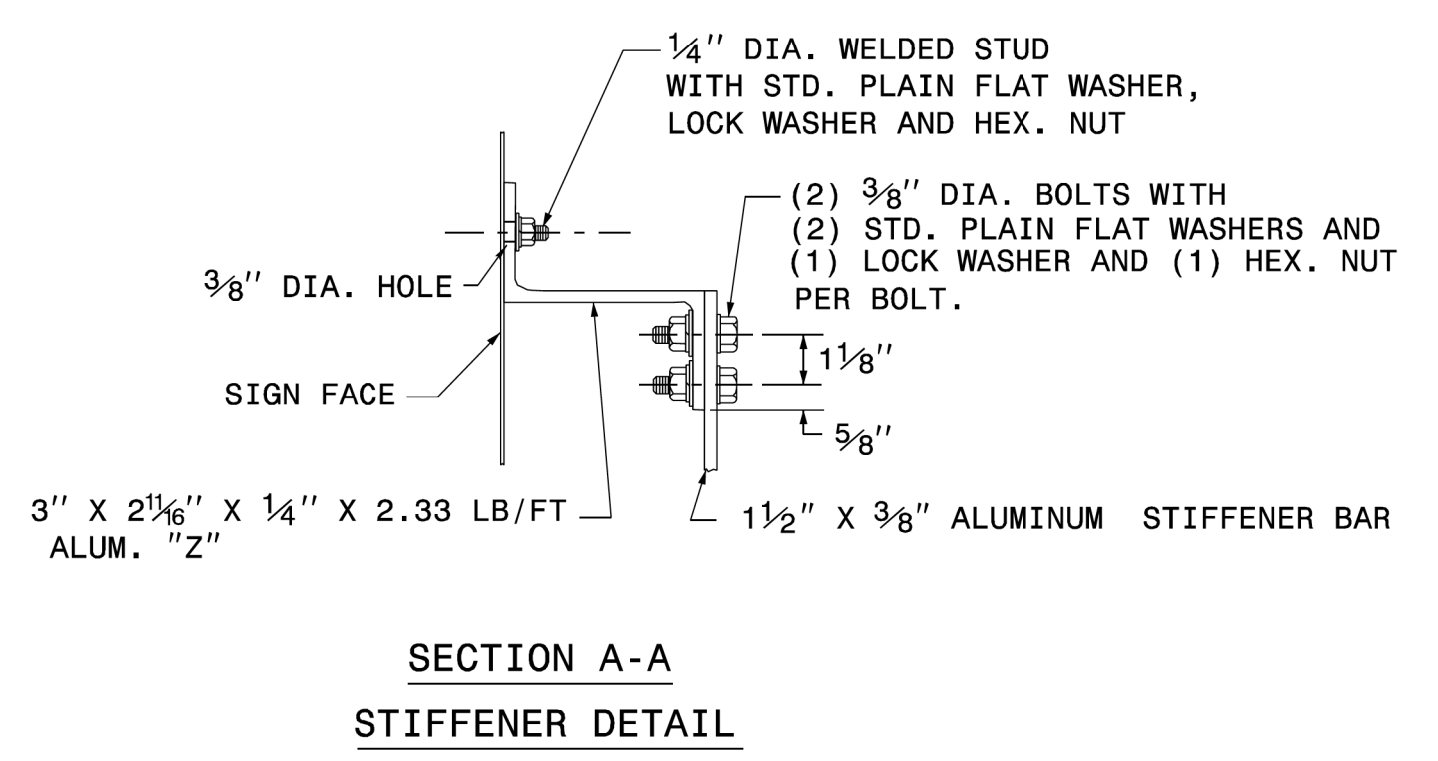
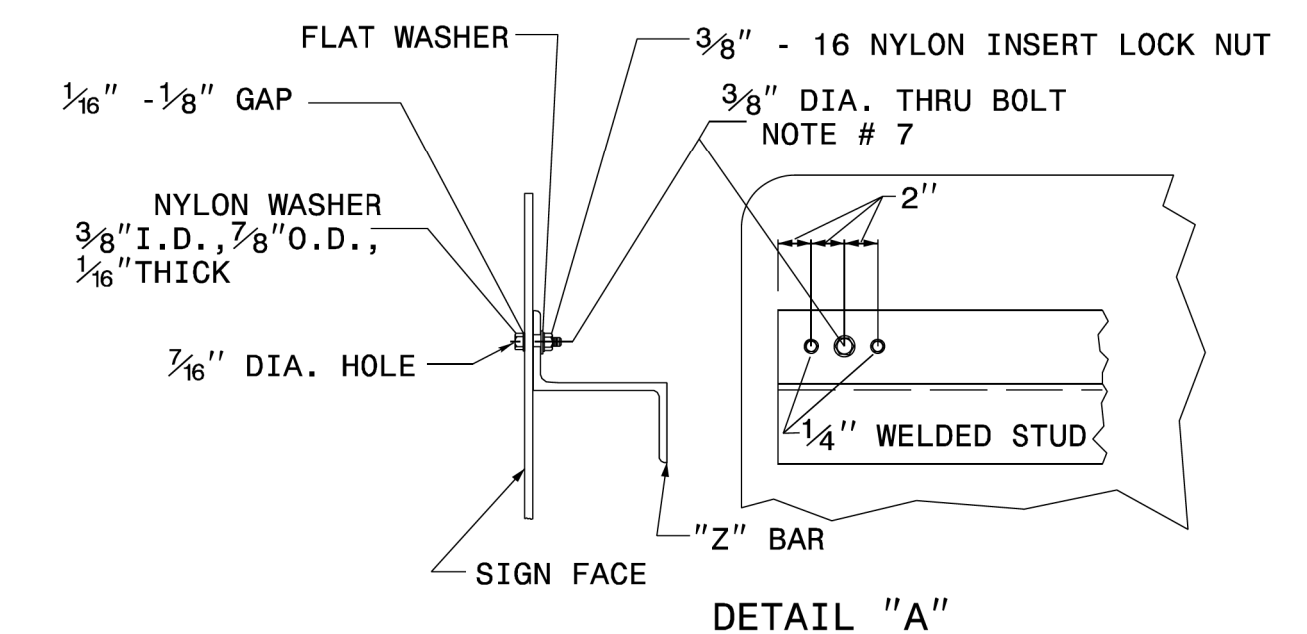
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TIP NO. SHEET NO.
 DocuSigned by:
 APPROVED: *Matthew V. Springs*
 DATE: 3/21/2019
 SEAL


STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.
 2-19

ENGLISH DETAIL DRAWING FOR
TYPE 'B' SIGNS
 WELDED STUD CONSTRUCTION

SHEET 1 OF 1
901D20



- NOTES:
1. USE NUMBER AND SIZE OF SUPPORTS SHOWN ON SUPPORT CHART IN PROJECT PLAN SHEETS.
 2. SEE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES FOR THE TYPE OF MATERIAL TO BE USED FOR SIGN PANELS, HANGER ASSEMBLIES AND SUPPORTS.
 3. FURNISH ALL MOUNTING HARDWARE.
 4. USE GALVANIZED STEEL FOR BACKING PLATES AND MOUNTING BOLTS.
 5. THE VERTICAL DIMENSION BETWEEN PRIMARY AND SECONDARY SIGNS IS TWO (2) INCHES.
 6. ADJUST STIFFENERS TO AVOID CONFLICT WITH SUPPORTS.
 7. FABRICATE EACH SIGN WITH A $\frac{3}{8}$ " DIA. BOLT 4" FROM EACH END OF EACH "Z" BAR THRU SIGN PANEL AND "Z" BAR.
 8. SEE ROADWAY STANDARD 901.70 FOR SUPPORT AND "Z" BAR SPACING.
 9. SEE ROADWAY STANDARD 901.80 FOR DETAILS SHOWING SIGN MOUNTING TO SUPPORTS.
 10. PLACE NYLON WASHER UNDER HEAD OF $\frac{3}{8}$ " THRU BOLT.
 11. THRU BOLTS WILL HAVE A MINIMUM $\frac{1}{16}$ " TO MAXIMUM $\frac{1}{8}$ " GAP.

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.
 2-19

ENGLISH DETAIL DRAWING FOR
TYPE 'B' SIGNS
 WELDED STUD CONSTRUCTION

SHEET 1 OF 1
901D20

**REVISED SIGNING
 ROADWAY STANDARD DRAWING**

03/20/19 S:\S&DU\Standards Group\Standards and Drawings\Drawings\2018 Standard Dwg\Division 9 Final\0901u20_sgn_type b sign_2-19.dgn User:dstokes

TIP NO. SHEET NO.
 DocuSigned by:
 APPROVED: *Matthew V. Springs*
 DATE: 5/26/2020
 SEAL: 042546
 NORTH CAROLINA PROFESSIONAL ENGINEER MATTHEW V. SPRINGS

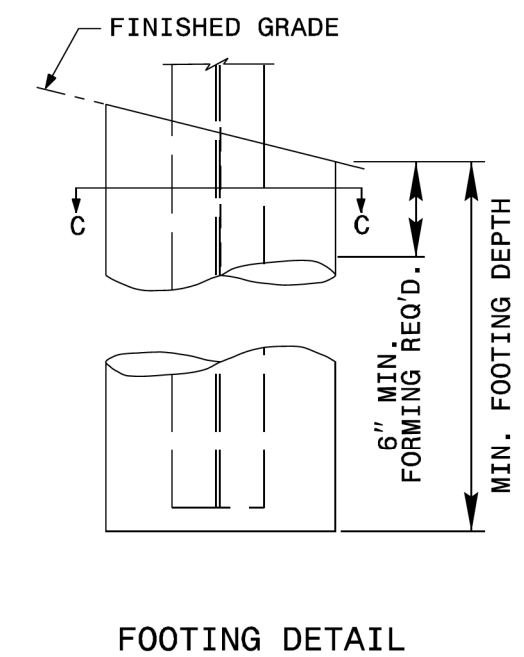
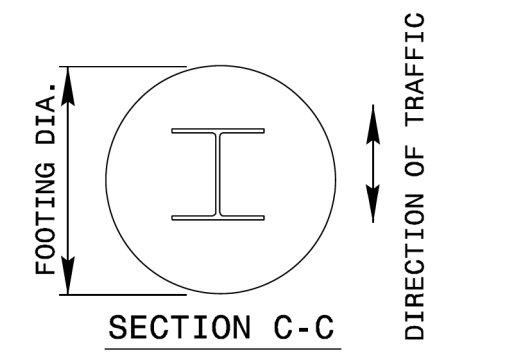
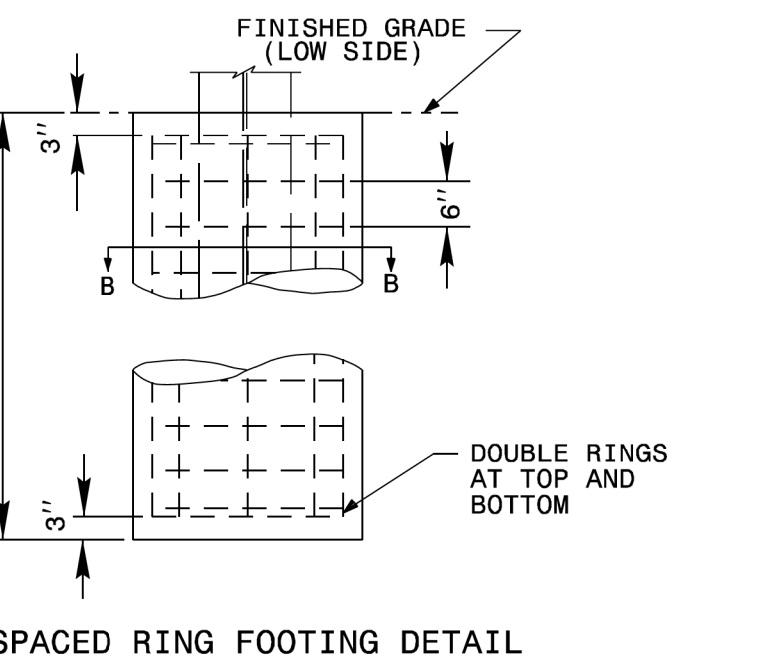
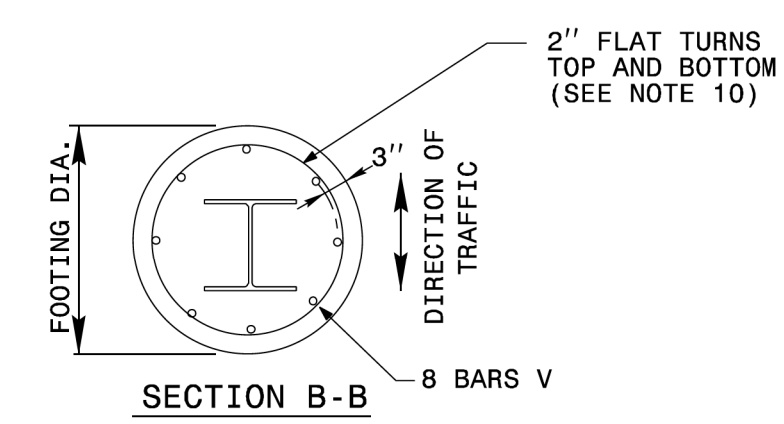
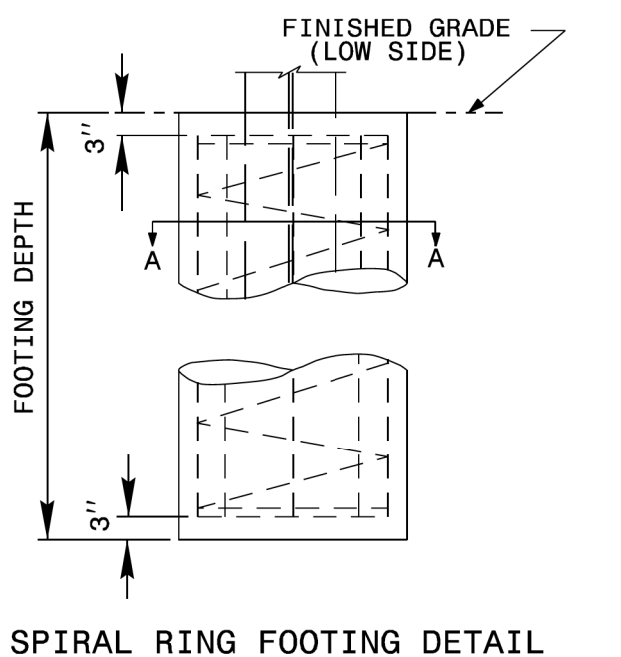
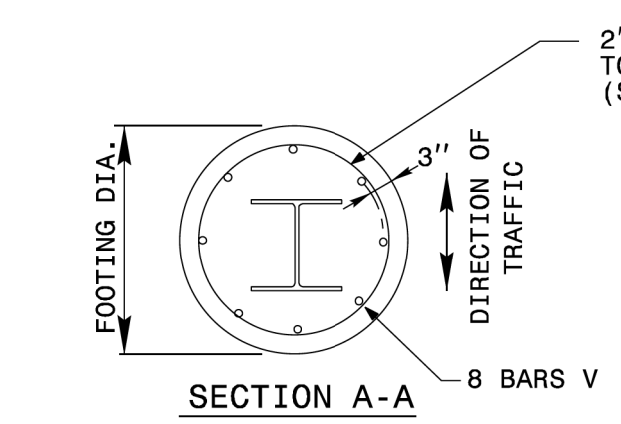
STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

5-20

ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 2 OF 3
903D10

BEAM SHAPE	SLIP BASE PLATE DATA								KEEPER PLATE DATA								HINGE CONNECTION DATA								BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.	
	BOLT SIZE	A ₁	B ₁	C ₁	D ₁	E ₁	T ₁	R ₁	A ₂	B ₂	C ₂	D ₂	E ₂	T ₂	BOLT SIZE	F	G	H	I	J	K	L	R ₃	T ₃		
S3X5.7	1/2" DIA. X 3/4"	7"	4"	1"	3/4"	2 1/2"	1"	9/32"	7"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2" DIA. X 1 3/4"	2 1/4"	3 1/2"	4"	1/2"	1"	1/2"	2"	9/32"	3/8"	18
S4X7.7	1/2" DIA. X 3/4"	8"	4"	1"	3/4"	2 1/2"	1"	9/32"	8"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2" DIA. X 1 3/4"	2 5/8"	3 1/2"	4"	1/2"	1"	1/2"	2"	9/32"	3/8"	20
W6X9	1/2" DIA. X 3/4"	10"	5"	1"	3/4"	3 1/2"	1"	9/32"	10"	5"	1"	3/4"	3 1/2"	9/32"	28 GAUGE	1/2" DIA. X 1 3/4"	4"	3 1/2"	4"	3/4"	1"	1/2"	2"	9/32"	3/8"	32
W6X12	5/8" DIA. X 4"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/4"	1 1/32"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/32"	28 GAUGE	5/8" DIA. X 2"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	3/8"	39
W6X16	5/8" DIA. X 4 1/2"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	1 1/32"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/32"	28 GAUGE	5/8" DIA. X 2 1/4"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	1/2"	47
W8X18	5/8" DIA. X 4 1/2"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/2"	1 1/32"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/32"	28 GAUGE	5/8" DIA. X 2 1/4"	5 1/4"	4"	4 1/2"	1"	1 1/8"	5/8"	2 1/4"	1 1/32"	1/2"	70
W8X21	3/4" DIA. X 4 1/2"	14"	7"	1 1/2"	1"	5"	1 1/2"	1 3/32"	14"	7"	1 1/2"	1"	5"	1 3/32"	28 GAUGE	3/4" DIA. X 2 1/2"	5 1/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	1/2"	73
W10X22	3/4" DIA. X 4 1/2"	16"	8"	1 1/2"	1"	6"	1 1/2"	1 3/32"	16"	8"	1 1/2"	1"	6"	1 3/32"	28 GAUGE	3/4" DIA. X 2 1/2"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	1/2"	119
W10X26	3/4" DIA. X 5 1/2"	16 1/2"	8"	1 1/2"	1"	6"	1 3/4"	1 3/32"	16 1/2"	8"	1 1/2"	1"	6"	1 3/32"	28 GAUGE	3/4" DIA. X 2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	5/8"	140
W12X26	3/4" DIA. X 5 1/2"	18 1/2"	9"	1 1/2"	1"	7"	1 3/4"	1 3/32"	18 1/2"	9"	1 1/2"	1"	7"	1 3/32"	28 GAUGE	3/4" DIA. X 2 3/4"	6 1/2"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	5/8"	176
W14X30	1" DIA. X 6"	22"	9"	2"	1 1/2"	6"	2"	1 7/32"	22"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1" DIA. X 3"	6 3/4"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	5/8"	205
W16X31	1" DIA. X 6"	24"	9"	2"	1 1/2"	6"	2"	1 7/32"	24"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1" DIA. X 3"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	3/4"	223
W18X35	1" DIA. X 6"	25"	9"	2"	1 1/2"	6"	2"	1 7/32"	25"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1" DIA. X 3"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	3/4"	243
W18X40	1" DIA. X 6 1/2"	26"	9"	2"	1 1/2"	6"	2 1/4"	1 7/32"	26"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1" DIA. X 3 1/2"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	278
W21X44	1" DIA. X 7"	29"	9"	2"	1 1/2"	6"	2 1/2"	1 7/32"	29"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1" DIA. X 3 1/2"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	310



FOUNDATION DATA *			
FOOTING DIAMETER	REINFORCEMENT	SPIRAL BAR	SPACED BAR
1'-6"	8 # 6 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
2'	8 # 7 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
2'-6"	8 # 9 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
3'	8 # 11 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
3'-6"	8 # 12 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
4'	8 # 14 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE

* FOUNDATION DIMENSIONS ARE SHOWN IN PLANS

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

5-20

ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 2 OF 3
903D10

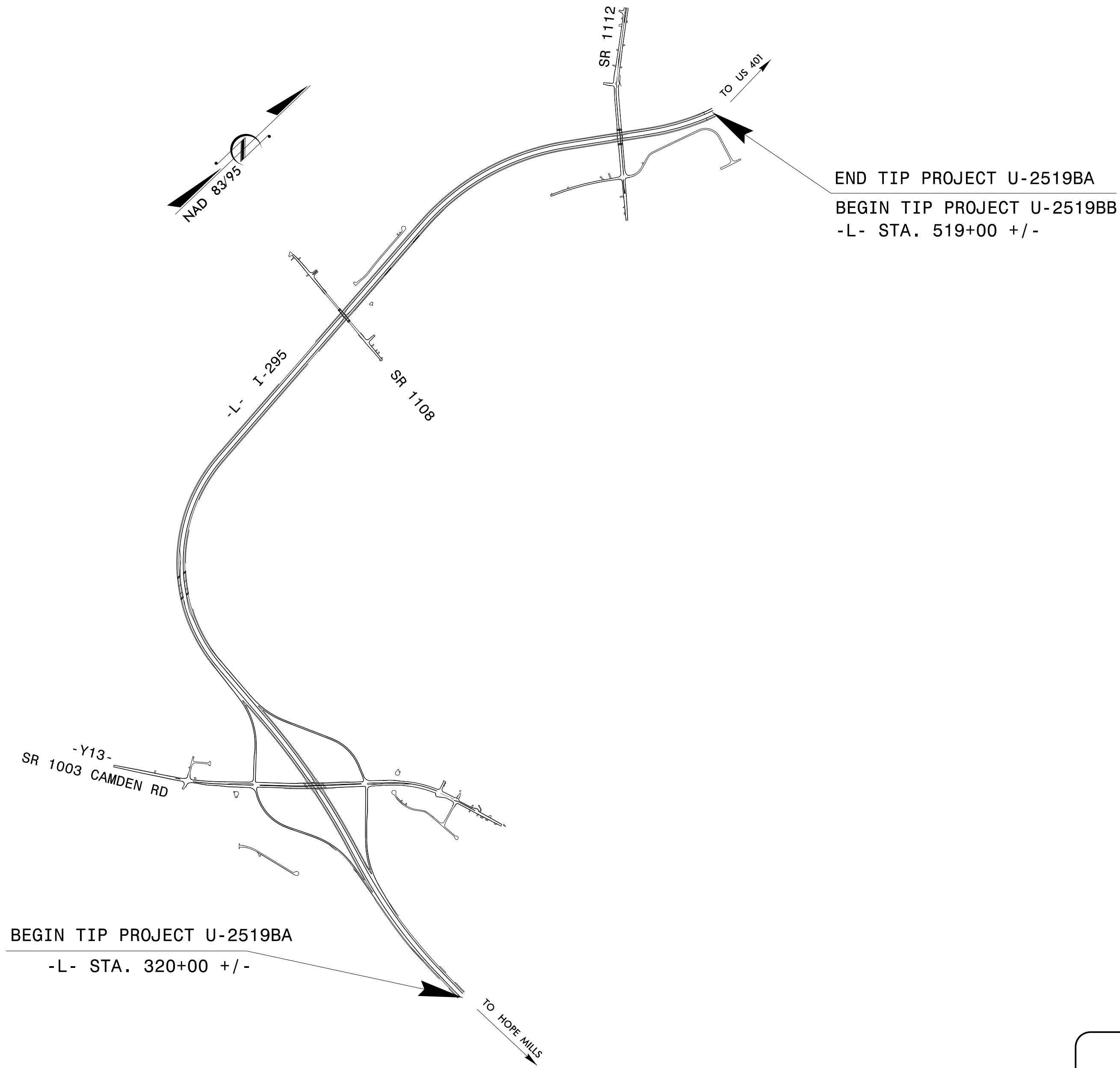
REVISED SIGNING
 ROADWAY STANDARD DRAWING


CONTRACT: C204335 T.I.P.: U-2519BA

**STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
 CUMBERLAND COUNTY**

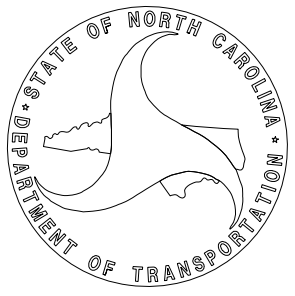
**LOCATION: FAYETTEVILLE OUTER LOOP FROM SOUTH OF SR 1003 (CAMDEN RD)
 TO SOUTH OF SR 1104 (STRICKLAND BRIDGE RD)**





TIP NO. U-2519BA	SHEET NO. SIGN-1A
APPROVED: <u>David M. Eaton</u> <small>DDA1GSP247484F7...</small>	
DATE: 02/11/2022	
SEAL 	
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INDEX

SHEET NO.	DESCRIPTION
SIGN-1A	TITLE SHEET
SIGN-1B	SUMMARY OF QUANTITIES AND NOTES
SIGN-2	SUPPORT INFORMATION
SIGN-3A	TYPE E SIGNS
SIGN-3B	TYPE F SIGNS
SIGN-4	MILE MARKERS
SIGN-5A THRU 5D	SIGN DESIGNS
SIGN-6A THRU 6S	SIGNING PLAN SHEETS

<p>PLAN SUBMITTED TO:</p> <p><u>A. I. Alqudwah, PE</u> SIGNING & DELINEATION REGIONAL ENGINEER</p> <p><u>D. M. Eaton, PE</u> SIGNING & DELINEATION PROJECT DESIGN ENGINEER</p>	
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<p>PLAN PREPARED BY:</p> <p><u>Tim Arey, PE</u> PROJECT ENGINEER</p> <p><u>Susan Kunz</u> SIGNING PROJECT MANAGER</p> <p><u>Larry Ashley</u> SIGNING DESIGN ENGINEER</p>	<p style="font-size: x-small;">Prepared in the Office of:</p> <p>PROGRESSIVE DESIGN GROUP, INC.</p>  <p style="font-size: x-small;">ENGINEERS • CONSULTANTS</p>
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TIP NO. U-2519BA	SHEET NO. SIGN-1B
APPROVED: <i>David M. Eaton</i> <small>DDA1CSF247484F7...</small>	
DATE: 02/11/2022	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

GENERAL NOTES

- . SIGNS FURNISHED BY STATE
- . CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.
- . ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- . DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

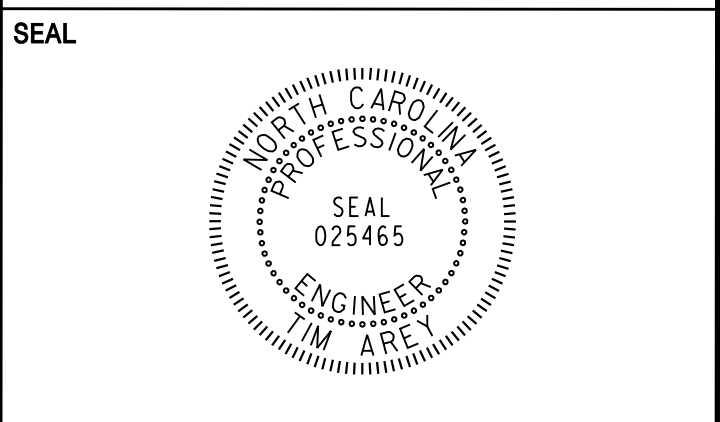
PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- 2 SIGN ERECTION, TYPE B (OVERHEAD)
- 3 SIGN ERECTION, REPOSITION OVERHEAD
- 4 DISPOSAL OF SIGN, A OR B (OVERHEAD)
- 5 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 6 DISPOSAL OF SIGN, D, E OR F
- 7 DISPOSAL OF SIGN, OVERLAY (OVERHEAD)
- 8 SIGN ERECTION, OVERLAY (OVERHEAD)
- 9 SIGN ERECTION, MILEMARKERS

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	6	C.Y.
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	1	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	3522	LB.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM	2404	LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	1700	L.F.
4096000000	904	SIGN ERECTION, TYPE D	9	EA.
4102000000	904	SIGN ERECTION, TYPE E	101	EA.
4108000000	904	SIGN ERECTION, TYPE F	33	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	8	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	7	EA.
4114000000	904	SIGN ERECTION, MILEMARKERS	20	EA.
4115000000	904	SIGN ERECTION, OVERLAY (OVERHEAD)	5	EA.
4238000000	907	DISPOSAL OF SIGN, D, E OR F	48	EA.
4241000000	907	DISPOSAL OF SIGN, OVERLAY (OVERHEAD)	5	EA.

SIGNING PLANS



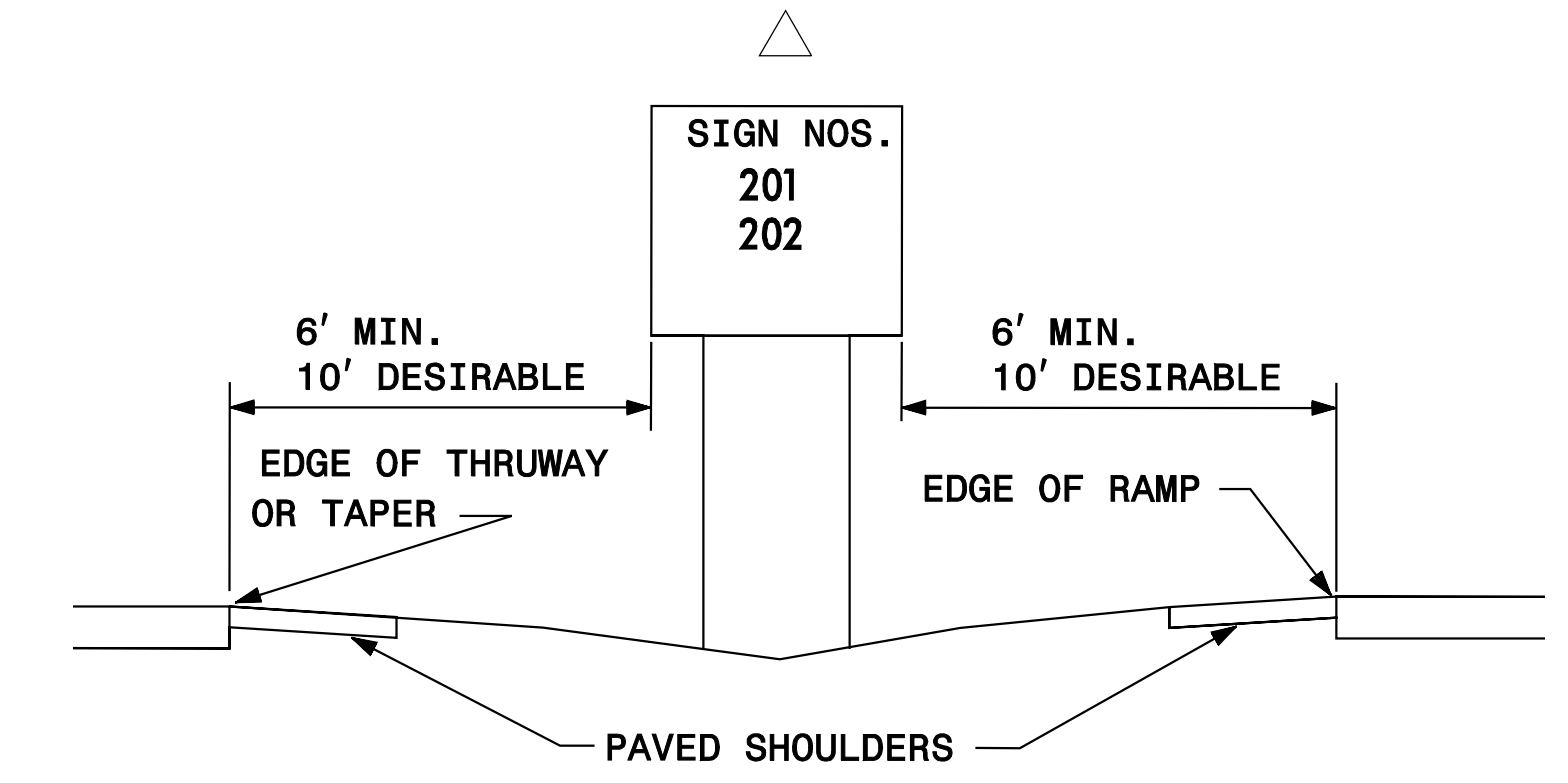
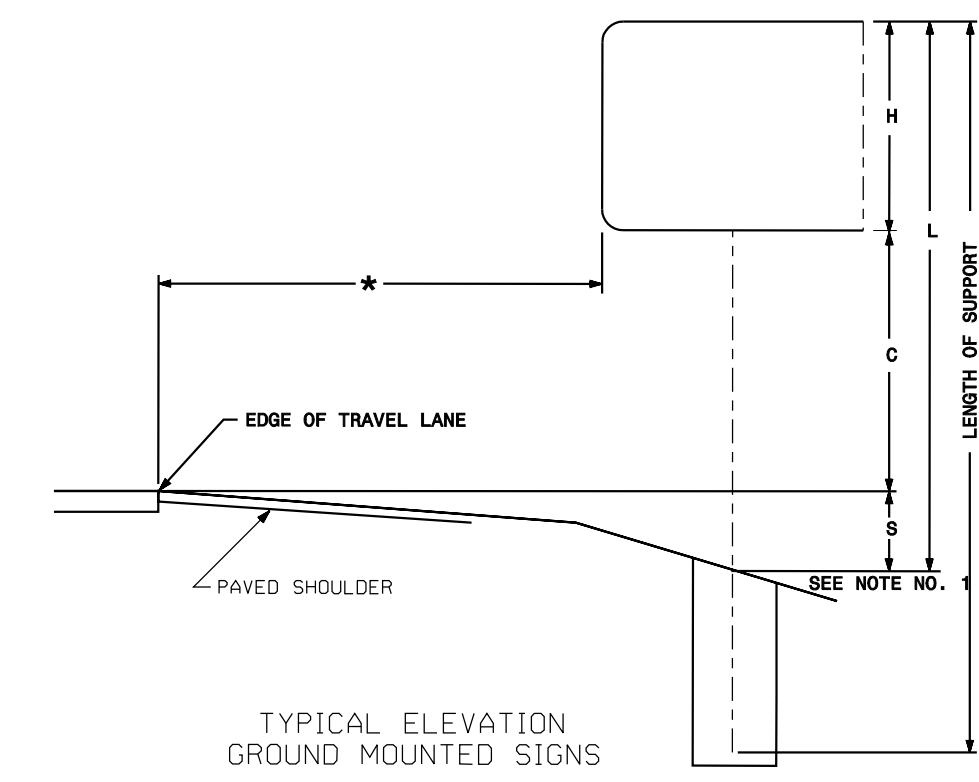
DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

NUMBER	SIGN TYPE	SIGN SIZE (in.)			ROADWAY STATION	NUMBER OF SUPPORTS	BEAM SECTION	SUPPORT TYPE BA or S	OMNI COUPLER	ATTACHMENT METHOD	MOUNTING METHOD	HORIZONTAL CLEARANCE* (ft.)	SUPPORT SPACING	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			SUPPORT WEIGHTS		FOOTINGS				FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)	
		w	x	h										"H"	"C"	EMBEMENT	S	L	LENGTH	S	L	LENGTH	S	L	LENGTH	B/A (lbs.)	SIMPLE (lbs.)	DIAMETER (ft.)	DEPTH (ft.)	REINFORCED (c.y.)	PLAIN (c.y.)		
101A	B	114	x	30	-L- 334+50 NB	2	W8x18	S	N/A	1-R	N/A	22.00	8.50	8.00	7.00	4.0	2.78	17.78	21.78	0.00	0.00	0.00	5.61	20.61	24.61	0.00	835.02	2.0	4.5	1.05	0.00		
101B	A	174	x	96																													
102	B	108	x	42	-L- 412+00 NB	2	S3x5.7	S	N/A	N/A	N/A	22.00	5.27	3.50	7.00	2.5	2.16	12.66	15.16	0.00	0.00	0.00	3.91	14.41	16.91	0.00	182.799	1.0	3	0.00	0.17		
103A	B	114	x	30	-L- 474+70 NB	3	W8x18	BA	N/A	1-R	N/A	30.00	9.05	6.50	9.51	4.0	1.98	17.99	21.99	-0.26	15.75	19.75	-2.51	13.50	17.50	1276.32	0	2.0	4.5	1.57	0.00		
103B	A	306	x	78																													
104A	B	114	x	30	-L- 501+10 NB	3	W6x16	BA	N/A	1-R	N/A	30.00	9.05	6.50	12.00	4.0	-0.51	17.99	21.99	-3.48	15.02	19.02	-5.00	13.50	17.50	1077.16	0	1.5	4.5	0.88	0.00		
104B	A	306	x	78																													
105A	B	114	x	30	-L- 437+80 SB	2	W6x16	S	N/A	1-R	N/A	22.00	8.50	6.50	7.00	4.0	3.00	16.50	20.50	0.00	0.00	0.00	5.82	19.32	23.32	0.00	701.12	1.5	4.5	0.59	0.00		
105B	A	174	x	78																													
106A	B	114	x	30	-L- 411+40 SB	2	W6x16	S	N/A	1-R	N/A	22.00	8.50	6.50	7.00	4.0	2.50	16.00	20.00	0.00	0.00	0.00	5.30	18.80	22.80	0.00	684.8	1.5	4.5	0.59	0.00		
106B	A	174	x	78																													
107A	B	114	x	30	-L- 385+00 SB	2	W6x16	BA	N/A	1-R	N/A	30.00	8.50	8.00	7.00	4.0	2.82	17.82	21.82	0.00	0.00	0.00	0.41	15.41	19.41	753.68	0	1.5	4.5	0.59	0.00		
107B	A	174	x	96																													
201	A	78	x	60	-L- 343+50 NB	2	S3x5.7	BA	N/A	N/A	N/A	Δ	3.81	5.00	7.00	2.5	0.50	12.50	15.00	0.00	0.00	0.00	0.50	12.50	15.00	207.00	0	1.0	3	0.00	0.17		
202	A	78	x	60	-L- 375+40 SB	2	S3x5.7	BA	N/A	N/A	N/A	Δ	3.81	5.00	7.00	2.5	0.50	12.50	15.00	0.00	0.00	0.00	0.50	12.50	15.00	207.00	0	1.0	3	0.00	0.17		


TOTAL 3521.16 TOTAL 2403.74 TOTAL 5.27 TOTAL 0.52
 USE: 3522.00 2404.00 6.00 1.00

NOTES

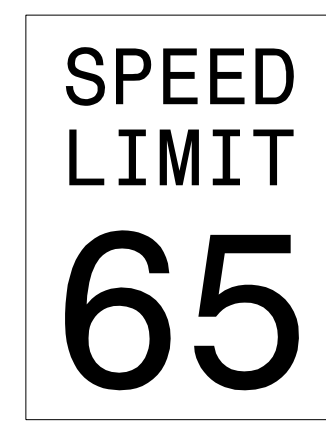
- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF PAVEMENT.
- FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (*) ARTICLE 1072-1. (*) = N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- PLAN LOCATIONS FOR EXISTING UTILITIES ARE BASED ON THE BEST AVAILABLE INFORMATION AND, THEREFORE MAY NOT BE PRECISELY ACCURATE. THEREFORE, IT IS INCUMBENT UPON THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE BEGINNING WORK IN A LOCATION.
- IF GROUNDWATER IS ENCOUNTERED AT A DEPTH SHALLOWER THAN 7 FEET, THE SIGN FOUNDATION MUST BE REDESIGNED BASED UPON THE ACTUAL FIELD CONDITIONS. THE FOUNDATION DESIGN DOES NOT APPLY TO VERY SOFT OR LOOSE SOIL, MUCK, WEATHERED ROCK, OR HARD ROCK.



SIGNING PLANS
 GROUND MOUNTED TYPE A & B SIGNS

TIP NO. U-2519BA	SHEET NO. SIGN-3A
APPROVED: <i>David M. Eaton</i> DDA/CSE/247484F7	
DATE: 02/11/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

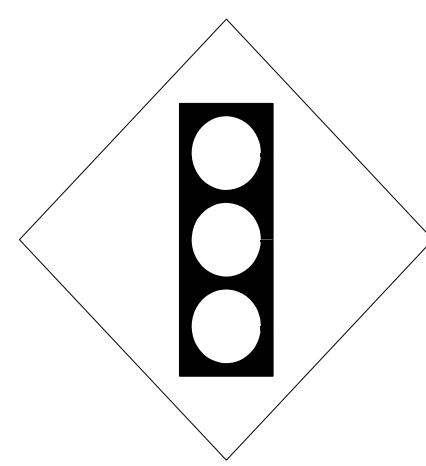
401 QUANTITY REQ'D 2



R2-1
48" X 60"

TWO "U" POSTS PER SIGN

406 QUANTITY REQ'D 5



W3-3
36" X 36"

ONE "U" POST PER SIGN

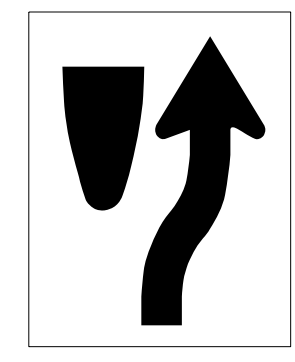
411 QUANTITY REQ'D 3



W14-2
36" X 36"

ONE "U" POST PER SIGN

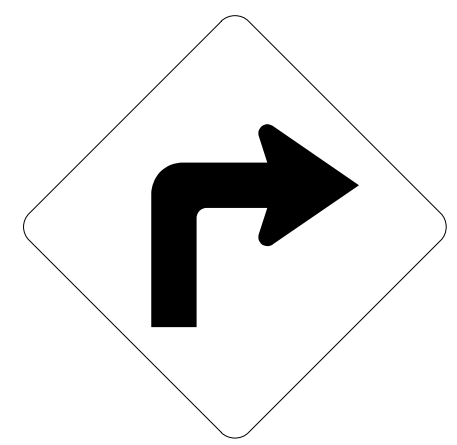
416 QUANTITY REQ'D 8



R4-7
24" X 30"

ONE "U" POST PER SIGN

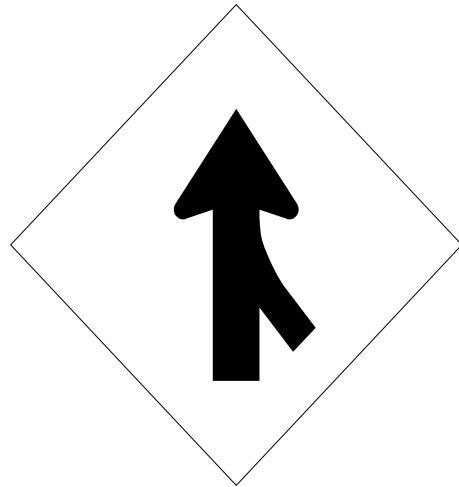
421 QUANTITY REQ'D 1



W1-1R
36" X 36"

ONE "U" POST PER SIGN


402 QUANTITY REQ'D 2



W4-1 (R)
48" X 48"

TWO "U" POSTS PER SIGN


407 QUANTITY REQ'D 5



R6-1 (L)
54" X 18"

MOUNT BACK TO BACK
WITH SIGN 405

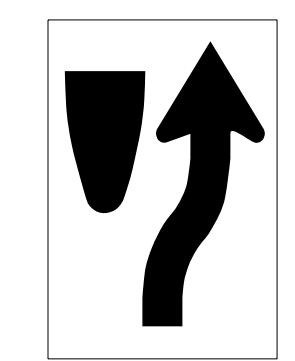
412 QUANTITY REQ'D 2



R2-1
24" X 30"

ONE "U" POST PER SIGN

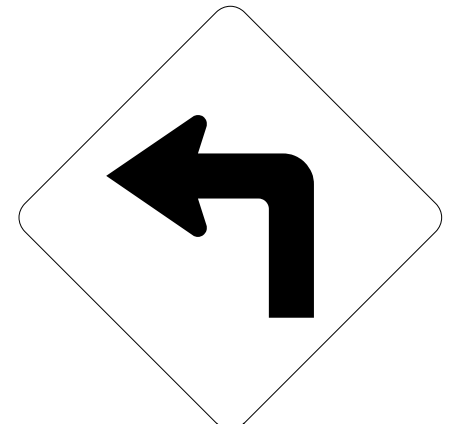
417 QUANTITY REQ'D 7



R4-7C
18" X 30"

ONE "U" POST PER SIGN


422 QUANTITY REQ'D 1



W1-1L
36" X 36"

ONE "U" POST PER SIGN

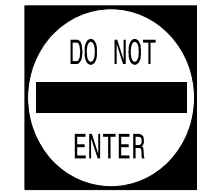
426 QUANTITY REQ'D 2



R3-7
36" X 24"

ONE "U" POST PER SIGN

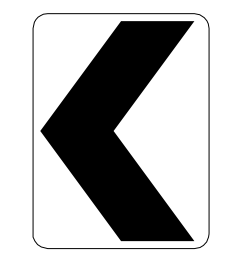
403 QUANTITY REQ'D 4



R5-1
36" X 36"

ONE "U" POST PER SIGN


408 QUANTITY REQ'D 5



W1-8 (L)
18" X 24"

ONE "U" POST PER SIGN

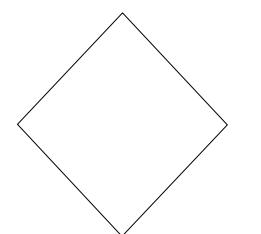
413 QUANTITY REQ'D 6



W9-2 (R)
36" X 36"

ONE "U" POST PER SIGN

418 QUANTITY REQ'D 4




OM1-3
18" X 18"

YELLOW REFLECTIVE SHEETING

MOUNT BELOW 416 AND 417
IN 2 INSTALLATIONS

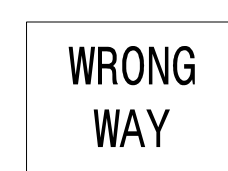
423 QUANTITY REQ'D 2



W13-1P
24" X 24"

MOUNT BELOW CURVE WARNING SIGNS
(421 AND 422)
IN 2 INSTALLATIONS

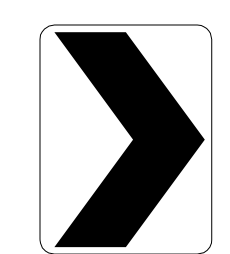
404 QUANTITY REQ'D 4



R5-1a
36" X 24"

ONE "U" POST PER SIGN

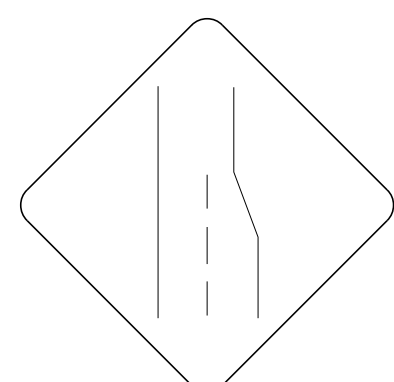
409 QUANTITY REQ'D 5



W1-8 (R)
18" X 24"

ONE "U" POST PER SIGN

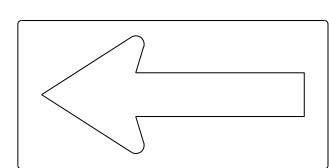
414 QUANTITY REQ'D 2



W9-1 (R)
36" X 36"

ONE "U" POST PER SIGN


419 QUANTITY REQ'D 1



W1-6 (L)
48" X 24"

TWO "U" POSTS PER SIGN


424 QUANTITY REQ'D 2



W16-2P
24" X 18"

MOUNT BELOW SIGN NO. 413
IN 2 INSTALLATIONS

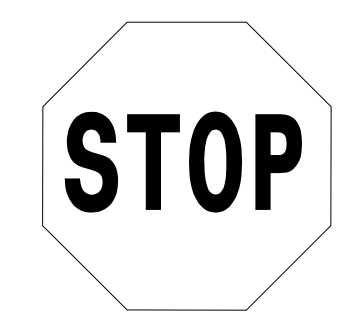
405 QUANTITY REQ'D 6



R6-1 (R)
54" X 18"

TWO "U" POSTS PER SIGN

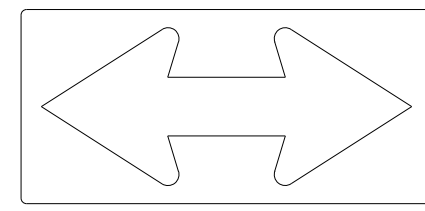
410 QUANTITY REQ'D 15



R1-1
36" X 36"

ONE "U" POST PER SIGN

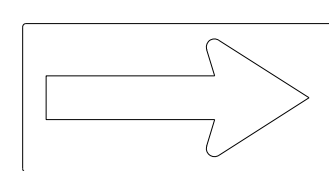
415 QUANTITY REQ'D 3



W1-7
48" X 24"

TWO "U" POSTS PER SIGN

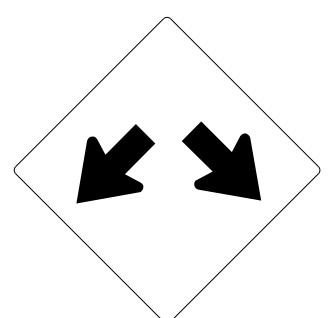
420 QUANTITY REQ'D 1



W1-6 (R)
48" X 24"

TWO "U" POSTS PER SIGN

425 QUANTITY REQ'D 4



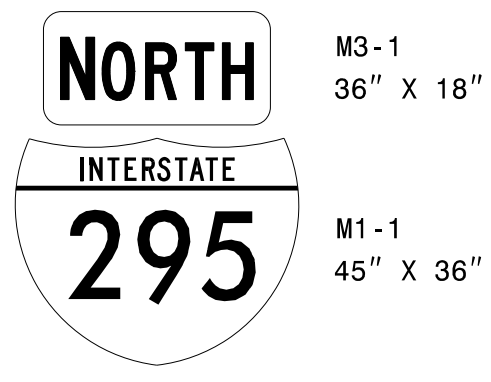
W12-1
30" X 30"

ONE "U" POST PER SIGN

**SIGNING PLANS
TYPE "E" SIGNS**

02/11/22
 P:\Projects-U\2519BA\Traffic\Signing\CADD\Signing Layout Plans\Roadway_Revision\U-2519ba_Sgn_Title_Quantities.dgn
 User:meaton

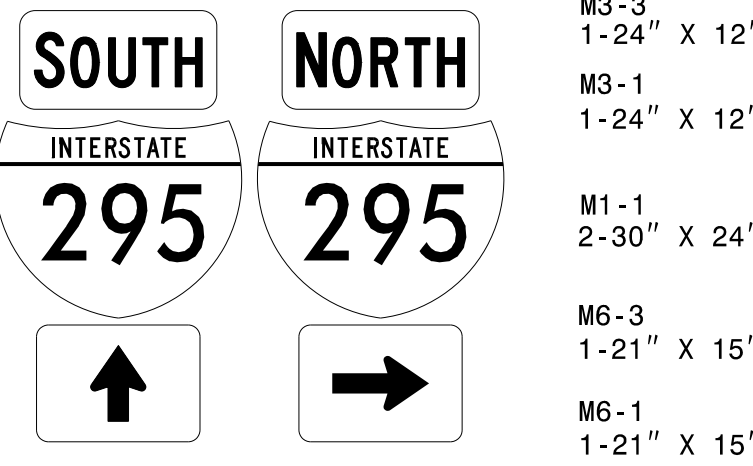
501 QUANTITY REQ'D 4
 510
 520
 532



M3-1
36" X 18"
 M1-1
45" X 36"

ONE "U" POST PER SIGN ASSEMBLY

508 QUANTITY REQ'D 3
 516
 526



M3-3
1-24" X 12"
 M3-1
1-24" X 12"
 M1-1
2-30" X 24"
 M6-3
1-21" X 15"
 M6-1
1-21" X 15"

TWO "U" POSTS PER SIGN ASSEMBLY

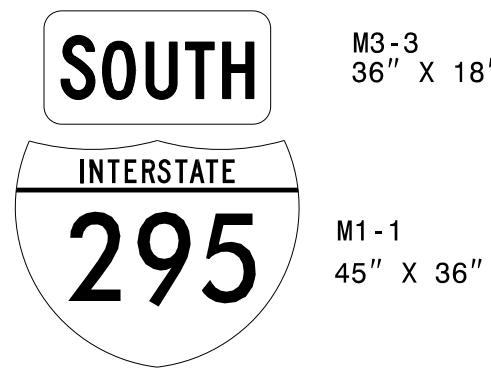
514 QUANTITY REQ'D 2
 524



M3-1
30" X 24"
 M1-1
30" X 24"
 M6-1
1-21" X 15"

ONE "U" POST PER SIGN ASSEMBLY

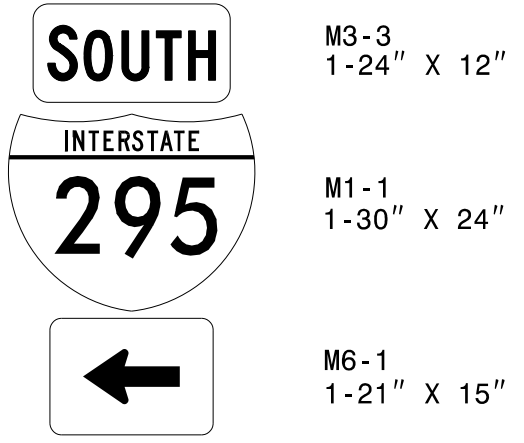
502 QUANTITY REQ'D 4
 503
 519
 531



M3-3
36" X 18"
 M1-1
45" X 36"

ONE "U" POST PER SIGN ASSEMBLY

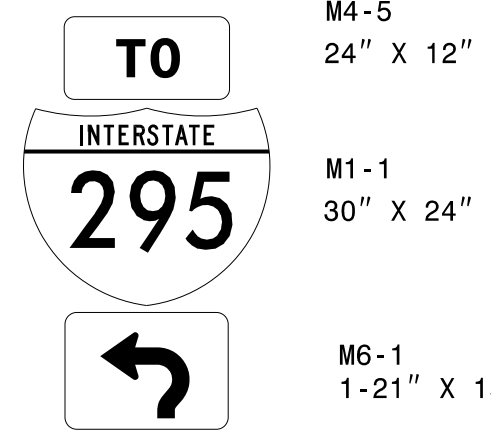
509 QUANTITY REQ'D 1



M3-3
1-24" X 12"
 M1-1
1-30" X 24"
 M6-1
1-21" X 15"

ONE "U" POST PER SIGN ASSEMBLY

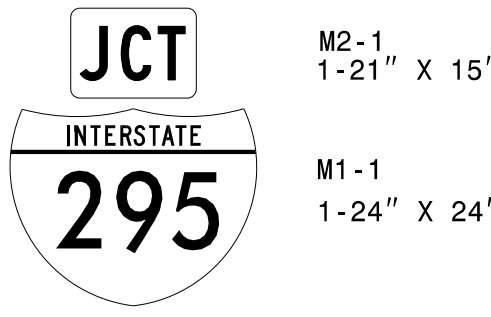
529 QUANTITY REQ'D 1



M4-5
24" X 12"
 M1-1
30" X 24"
 M6-1
1-21" X 15"

ONE "U" POST PER SIGN ASSEMBLY

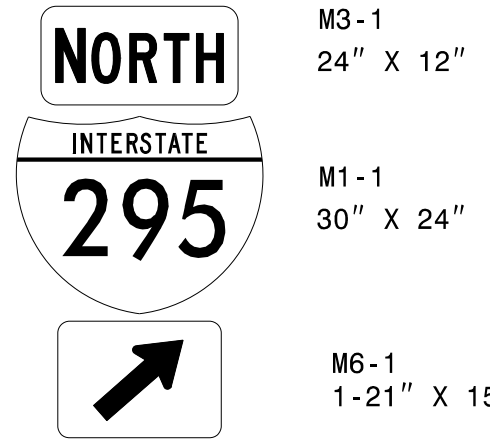
504 QUANTITY REQ'D 6
 507
 511
 515
 521
 525



M2-1
1-21" X 15"
 M1-1
1-24" X 24"

ONE "U" POST PER SIGN ASSEMBLY

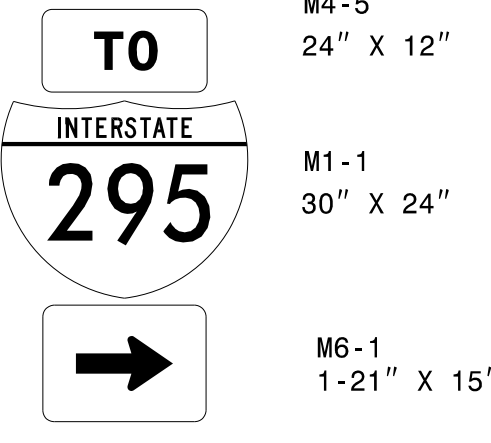
517 QUANTITY REQ'D 2
 527



M3-1
24" X 12"
 M1-1
30" X 24"
 M6-1
1-21" X 15"

ONE "U" POST PER SIGN ASSEMBLY

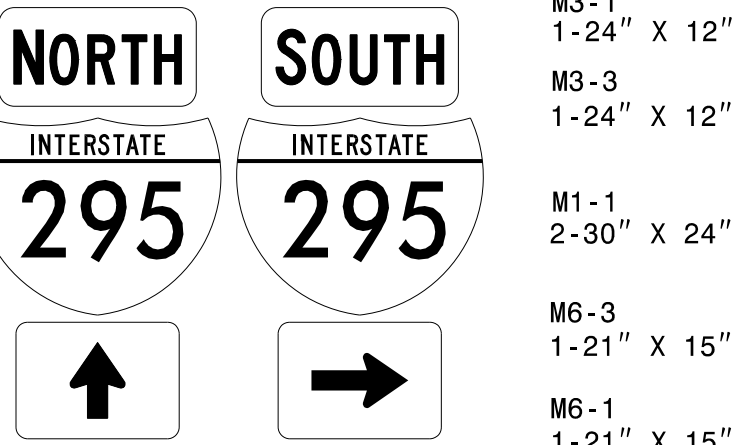
530 QUANTITY REQ'D 1



M4-5
24" X 12"
 M1-1
30" X 24"
 M6-1
1-21" X 15"

ONE "U" POST PER SIGN ASSEMBLY

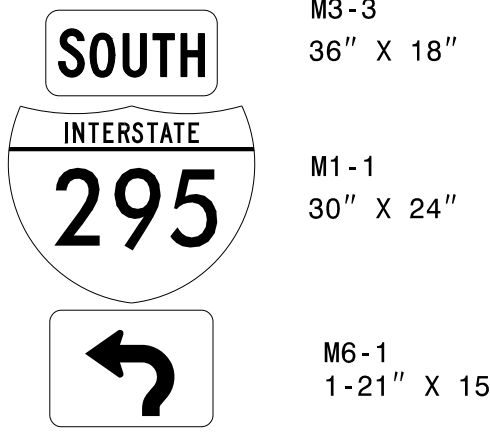
505 512 522 QUANTITY REQ'D 3



M3-1
1-24" X 12"
 M3-3
1-24" X 12"
 M1-1
2-30" X 24"
 M6-3
1-21" X 15"
 M6-1
1-21" X 15"

TWO "U" POSTS PER SIGN ASSEMBLY

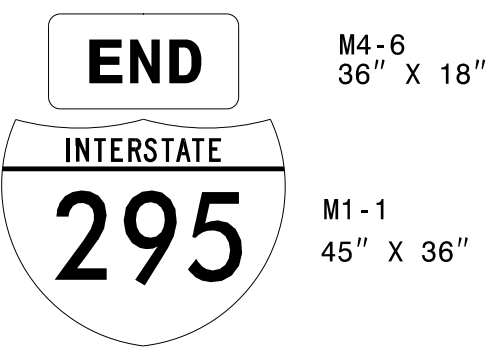
518 QUANTITY REQ'D 2
 528



M3-3
36" X 18"
 M1-1
30" X 24"
 M6-1
1-21" X 15"

ONE "U" POST PER SIGN ASSEMBLY

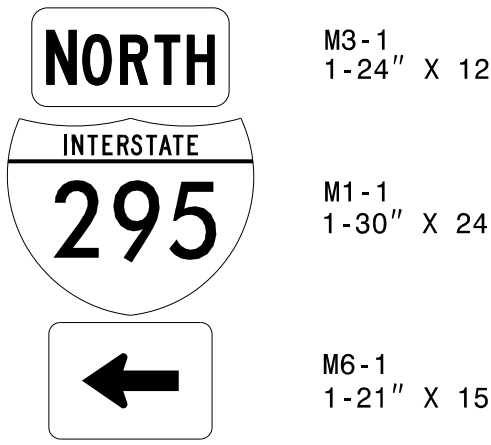
533 QUANTITY REQ'D 1



M4-6
36" X 18"
 M1-1
45" X 36"

ONE "U" POST PER SIGN ASSEMBLY

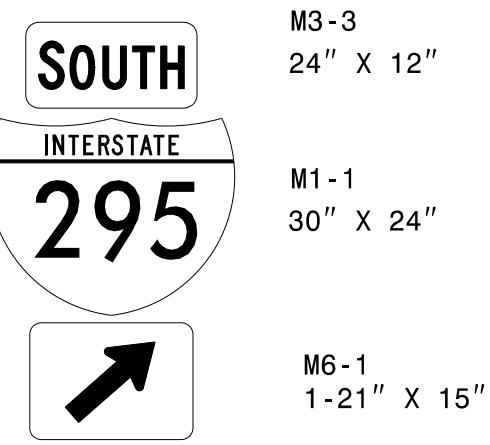
505 QUANTITY REQ'D 1



M3-1
1-24" X 12"
 M1-1
1-30" X 24"
 M6-1
1-21" X 15"

ONE "U" POST PER SIGN ASSEMBLY

513 QUANTITY REQ'D 2
 523

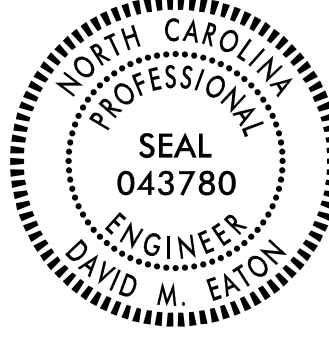


M3-3
24" X 12"
 M1-1
30" X 24"
 M6-1
1-21" X 15"

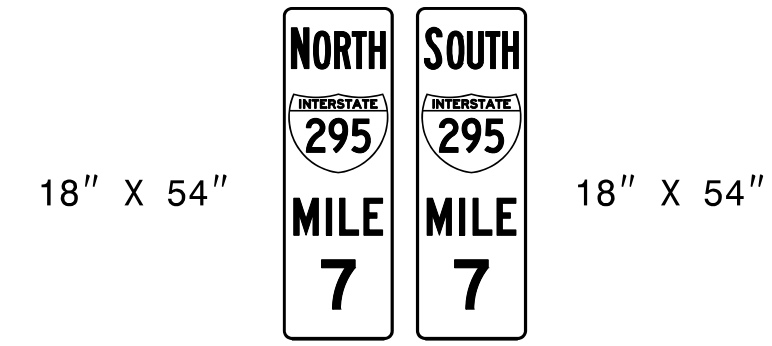
ONE "U" POST PER SIGN ASSEMBLY

**SIGNING PLANS
TYPE "F" SIGNS**

02/01/22
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 User:imeaton

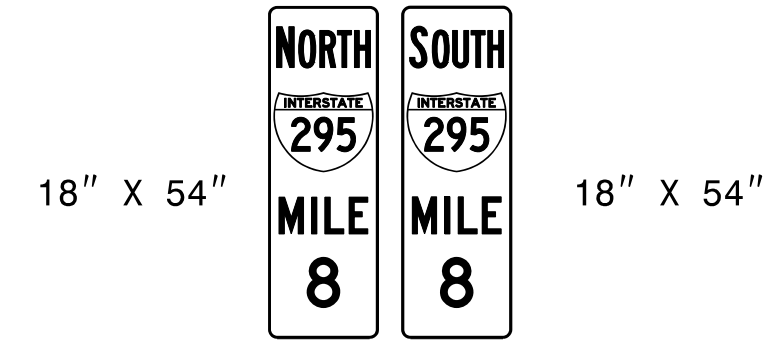
TIP NO. U-2519BA	SHEET NO. SIGN-4
APPROVED: <i>David M. Eaton</i> <small>DDA1CSF247484F7...</small>	
DATE: 02/11/2022	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

QUANTITY REQ'D: 1 NORTH, 1 SOUTH



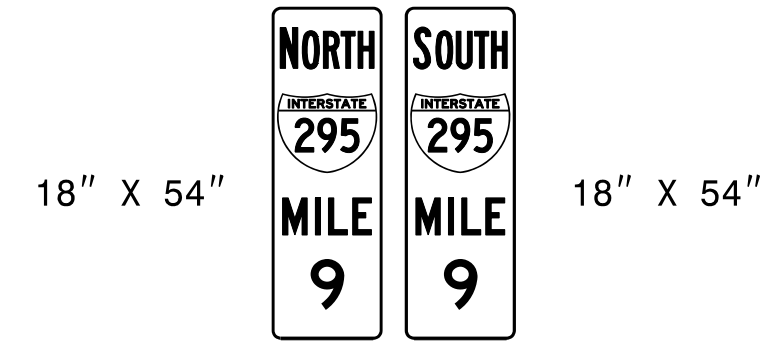
ONE "U" POST PER SIGN

QUANTITY REQ'D: 1 NORTH, 1 SOUTH



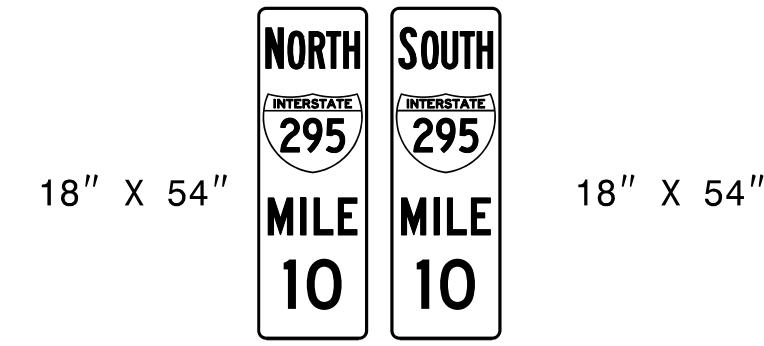
ONE "U" POST PER SIGN

QUANTITY REQ'D: 1 NORTH, 1 SOUTH



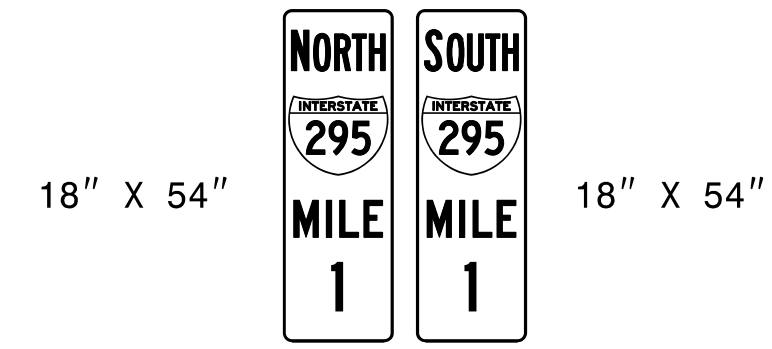
ONE "U" POST PER SIGN

QUANTITY REQ'D: 1 NORTH, 1 SOUTH



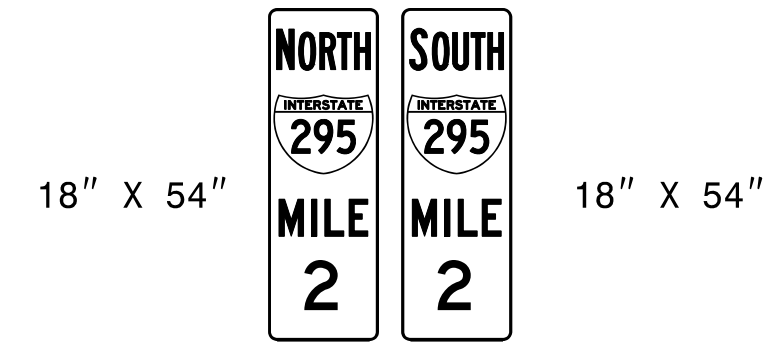
ONE "U" POST PER SIGN

QUANTITY REQ'D: 1 NORTH, 1 SOUTH



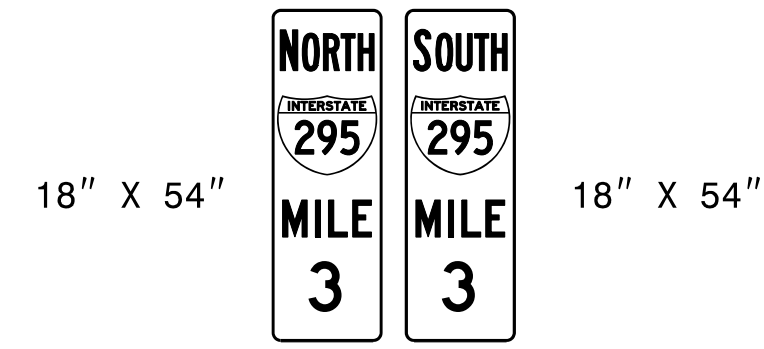
MOUNT ON EXISTING "U" POST

QUANTITY REQ'D: 1 NORTH, 1 SOUTH



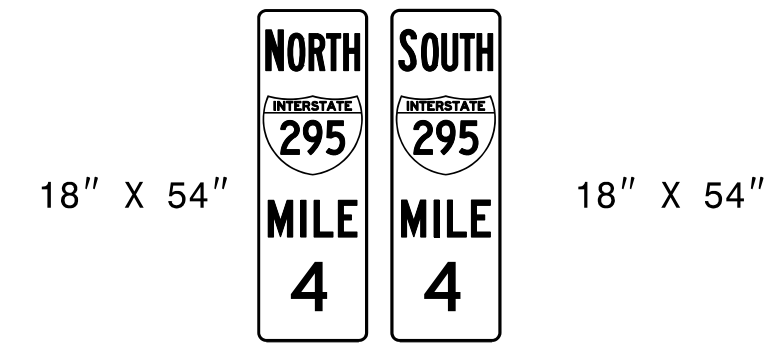
MOUNT ON EXISTING "U" POST

QUANTITY REQ'D: 1 NORTH, 1 SOUTH



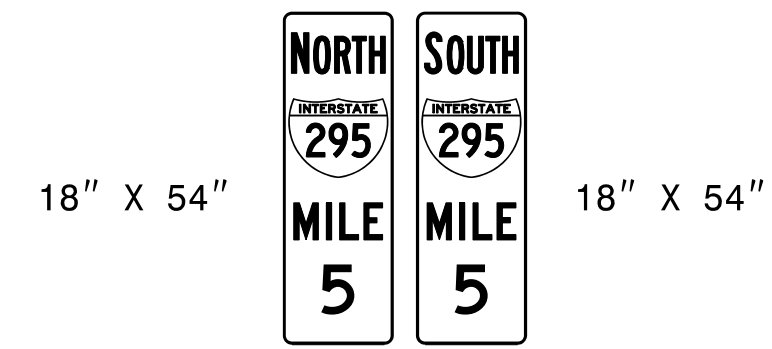
MOUNT ON EXISTING "U" POST

QUANTITY REQ'D: 1 NORTH, 1 SOUTH



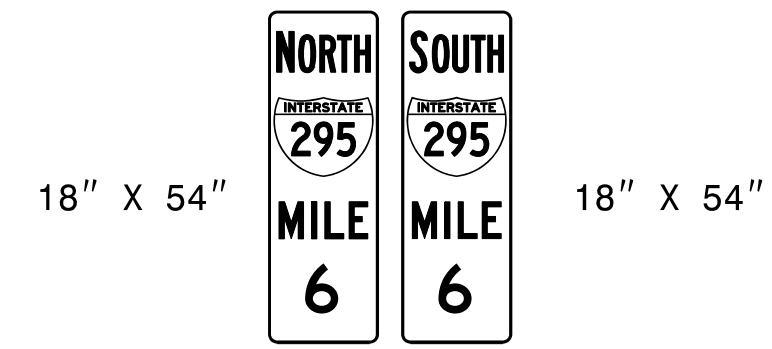
MOUNT ON EXISTING "U" POST

QUANTITY REQ'D: 1 NORTH, 1 SOUTH



MOUNT ON EXISTING "U" POST

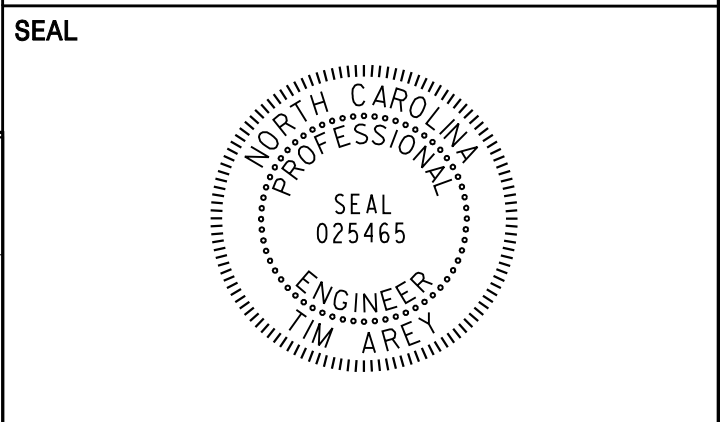
QUANTITY REQ'D: 1 NORTH, 1 SOUTH



MOUNT ON EXISTING "U" POST

02/01/22
P:\TIP\Projects-U\2519BA\Traffic\Signing\CADD\Signing Layout Plans\Roadway Revision\U-2519ba_Sgn_Title_Quantities.dgn
User:imeaton

**SIGNING PLANS
MILEMARKERS**



DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

SIGN NUMBER: 101A, 105A, 106A, 107A BACKG COLOR: Green
 TYPE: B COPY COLOR: White
 QUANTITY: 4

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 9'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 23.8 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 3"

NO. Z BARS: 2
 LENGTH: 106.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK DATE: Jan 08, 2018
 PROJECT ID: U-2519BA DIV: 6

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	57.8

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 102 BACKG COLOR: Green
 TYPE: B COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 9'-0"
 HEIGHT: 3'-6"
 TOTAL AREA: 31.5 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1"
 RADII: 6"

NO. Z BARS: 2
 LENGTH: 100.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK DATE: Jan 08, 2018
 PROJECT ID: U-2519BA DIV: 6

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	67.3
EM 2000	10.8
EM 2000	60.1
EM 2000	10.7

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 101B, 107B BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 2

SYMBOL	X	Y	WID	HT
AR_Type A	73.1	20.1	22.4	35.3

SIGN WIDTH: 14'-6"
 HEIGHT: 8'-0"
 TOTAL AREA: 116.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"

NO. Z BARS: 3
 LENGTH: 166.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK DATE: Jan 08, 2018
 PROJECT ID: U-2519BA DIV: 6

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	139.5

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 103A, 104A BACKG COLOR: Green
 TYPE: B COPY COLOR: White
 QUANTITY: 2

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 9'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 23.8 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 3"

NO. Z BARS: 2
 LENGTH: 106.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK DATE: Jan 08, 2018
 PROJECT ID: U-2519BA DIV: 6

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

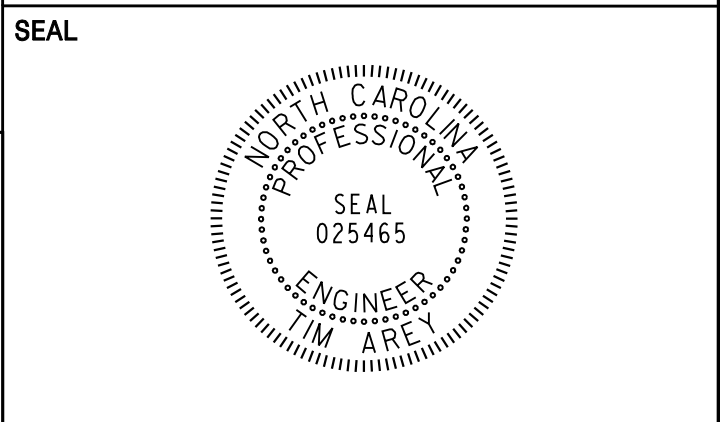
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	58.1

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL



DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

SIGN NUMBER: 103B BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1

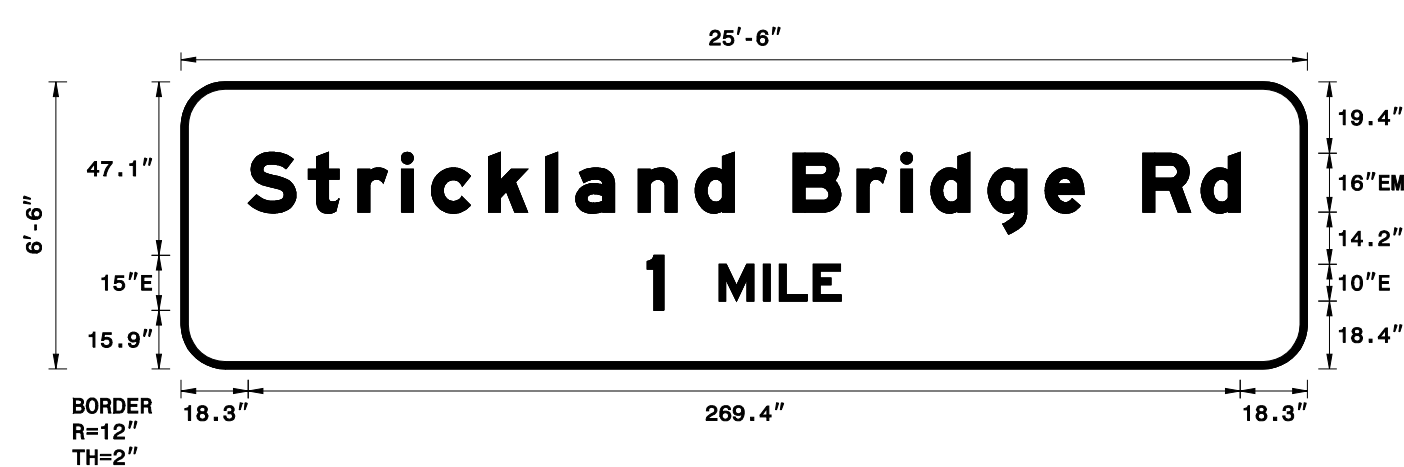
SYMBOL	X	Y	WID	HT

SIGN WIDTH: 25'-6"
 HEIGHT: 6'-6"
 TOTAL AREA: 165.8 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"

NO. Z BARS: 2 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 298.0

DESIGN BY: LA CHECKED BY: SK DATE: Jan 08, 2018
 PROJECT ID: U-2519BA DIV: 6



USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter																	Series/Size					
																	Text Length					
S	t	r	i	c	k	l	a	n	d	B	r	i	d	g	e	R	d	EM 2000				
18.3	16.3	13.4	11.8	8.2	15.5	15.5	8.2	17	15.5	10.6	16	17.4	11.8	8.2	15.5	10.6	16	15.8	10.6	18.3	289.4	
1	M	I	L	E														E 2000				
126.7	4.5	15	12	4.4	9.2	7.5	126.7															52.6

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 105B BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1


SYMBOL	X	Y	WID	HT

SIGN WIDTH: 14'-6"
 HEIGHT: 6'-6"
 TOTAL AREA: 94.3 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"

NO. Z BARS: 2 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 166.0

DESIGN BY: LA CHECKED BY: SK DATE: Jan 08, 2018
 PROJECT ID: U-2519BA DIV: 6



USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter																	Series/Size
																	Text Length
C	a	m	d	e	n	R	d	EM 2000									
17.2	16	17	22.6	15.5	15.5	10.6	16	15.8	10.6	17.2	139.5						
1	M	I	L	E							E 2000						
60.7	4.5	15	12	4.4	9.2	7.5	60.7				52.6						

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 104B BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1

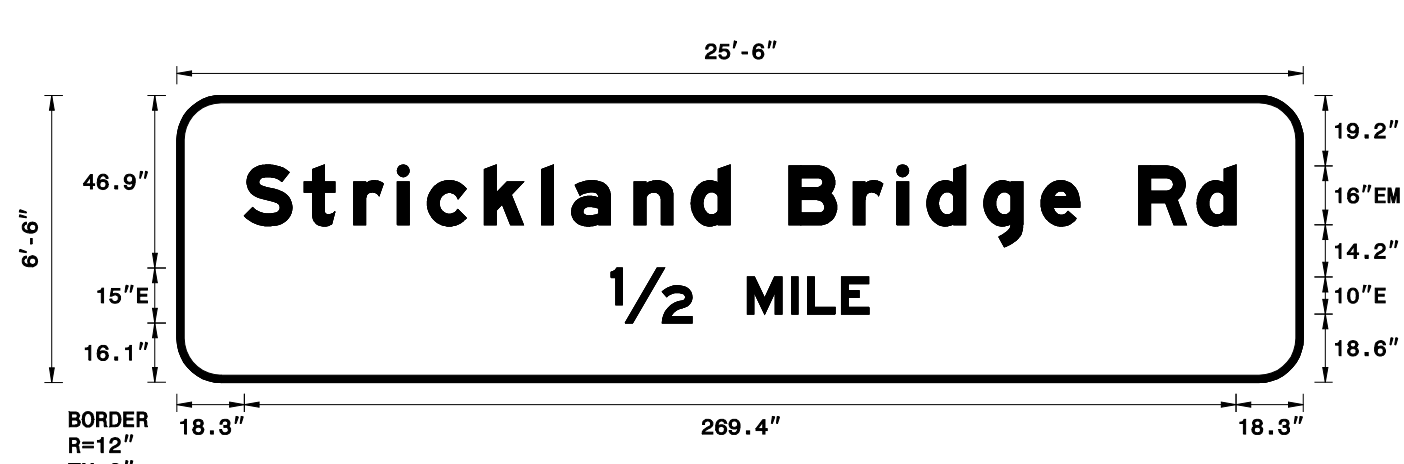
SYMBOL	X	Y	WID	HT

SIGN WIDTH: 25'-6"
 HEIGHT: 6'-6"
 TOTAL AREA: 165.8 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"

NO. Z BARS: 2 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 298.0

DESIGN BY: LA CHECKED BY: SK DATE: Jan 08, 2018
 PROJECT ID: U-2519BA DIV: 6



USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter																	Series/Size					
																	Text Length					
S	t	r	i	c	k	l	a	n	d	B	r	i	d	g	e	R	d	EM 2000				
18.3	16.3	13.4	11.8	8.2	15.5	15.5	8.2	17	15.5	10.6	16	17.4	11.8	8.2	15.5	10.6	16	15.8	10.6	18.3	289.4	
1/2	M	I	L	E														E 2000				
118	22	15	12	4.4	9.2	7.5	118															70.1

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 106B BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1


SYMBOL	X	Y	WID	HT

SIGN WIDTH: 14'-6"
 HEIGHT: 6'-6"
 TOTAL AREA: 94.3 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"

NO. Z BARS: 2 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 166.0

DESIGN BY: LA CHECKED BY: SK DATE: Jan 08, 2018
 PROJECT ID: U-2519BA DIV: 6

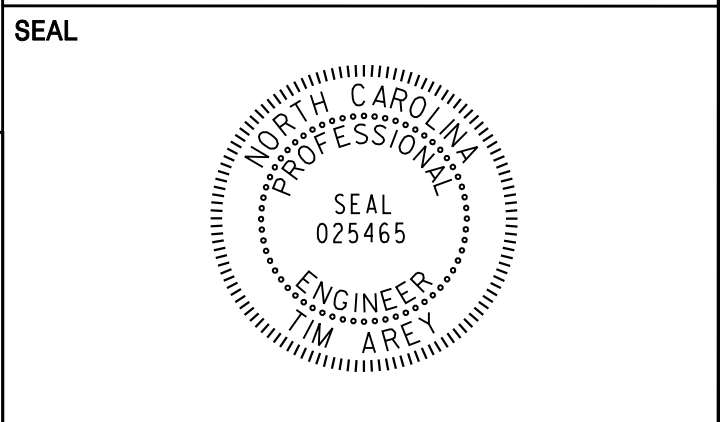


USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter																	Series/Size
																	Text Length
C	a	m	d	e	n	R	d	EM 2000									
17.2	16	17	22.6	15.5	15.5	10.6	16	15.8	10.6	17.2	139.5						
1/2	M	I	L	E							E 2000						
52	22	15	12	4.4	9.2	7.5	52				70.1						

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL



DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

SIGN NUMBER: 201,202 TYPE: A BACKG COLOR: Green COPY COLOR: White
 QUANTITY: 2
 SIGN WIDTH: 6'-6" HEIGHT: 5'-0" TOTAL AREA: 32.5 Sq.Ft.
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADII: 8"
 NO. Z BARS: 2 LENGTH: 70.0
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK DATE: Jan 08, 2018
 PROJECT ID: U-2519BA DIV: 6

BORDER R=8" TH=1.5"

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text	Length
E 2000	E X I T	16.8 12.8 15.8 6.8 9 16.8
E 2000	7	15.3 14.6 48.1

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 303,304 TYPE: D BACKG COLOR: Green COPY COLOR: White
 QUANTITY: 2
 SIGN WIDTH: 3'-0" HEIGHT: 1'-6" TOTAL AREA: 4.5 Sq.Ft.
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1" RADII: 3"
 NO. Z BARS: 2 LENGTH: 70.0
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK DATE: Jan 08, 2018
 PROJECT ID: U-2519BA DIV: 6

BORDER R=3" TH=1"

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text	Length
E 2000	1 1 0 8	6.6 4.2 4.2 8.1 6.5 6.4

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 301,302 TYPE: D BACKG COLOR: Green COPY COLOR: White
 QUANTITY: 2
 SIGN WIDTH: 3'-0" HEIGHT: 1'-6" TOTAL AREA: 4.5 Sq.Ft.
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1" RADII: 3"
 NO. Z BARS: 2 LENGTH: 70.0
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK DATE: Jan 08, 2018
 PROJECT ID: U-2519BA DIV: 6

BORDER R=3" TH=1"

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text	Length
E 2000	1 0 0 3	4.4 4.2 8.3 8.1 6.5 4.4

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 305,306 TYPE: D BACKG COLOR: Green COPY COLOR: White
 QUANTITY: 2
 SIGN WIDTH: 3'-0" HEIGHT: 1'-6" TOTAL AREA: 4.5 Sq.Ft.
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1" RADII: 3"
 NO. Z BARS: 2 LENGTH: 70.0
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK DATE: Jan 08, 2018
 PROJECT ID: U-2519BA DIV: 6

BORDER R=3" TH=1"

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

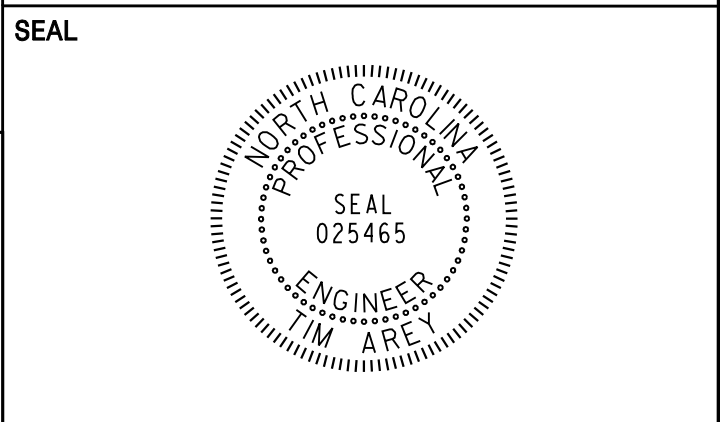
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text	Length
E 2000	1 1 1 2	8.5 4.2 4.2 4 6.5 8.5

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL



DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

SIGN NUMBER: 307 BACKG COLOR: Green DESIGN BY: LA CHECKED BY: SK DATE: Jan 08, 2018
 TYPE: D COPY COLOR: White PROJECT ID: U-2519BA DIV: 6

QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type D	6.8	7.5	6	9

SIGN WIDTH: 5'-6"
 HEIGHT: 2'-0"
 TOTAL AREA: 11.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 3"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS:
 LENGTH:

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
	F	o	r	t		B	r	a	g	g			D 2000
19.3	4.3	4.6	2.5	2.4	6	5	2.7	4.3	4.6	3.6	6.8	39.9	
	P	o	p	e		A	A	F					D 2000
20.1	4.6	4.6	4.3	3.5	6	5.5	6	3.7	7.6				38.3

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 309 BACKG COLOR: Green DESIGN BY: LA CHECKED BY: SK DATE: Jan 09, 2018
 TYPE: D COPY COLOR: White PROJECT ID: U-2519BA DIV: 6

QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type D	55.4	9	6	9

SIGN WIDTH: 6'-0"
 HEIGHT: 2'-0"
 TOTAL AREA: 12.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 3"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS:
 LENGTH:

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
	F	o	r	t		B	r	a	g	g			D 2000
7.6	4.3	4.6	2.5	2.4	6	5	2.7	4.3	4.6	3.6	24.5	39.9	
	P	o	p	e		A	A	F					D 2000
8.4	4.6	4.6	4.3	3.5	6	5.5	6	3.7	25.3				38.3

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 308 BACKG COLOR: Green DESIGN BY: LA CHECKED BY: SK DATE: Jan 09, 2018
 TYPE: D COPY COLOR: White PROJECT ID: U-2519BA DIV: 6

QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type D	7.6	9	6	9

SIGN WIDTH: 6'-0"
 HEIGHT: 2'-0"
 TOTAL AREA: 12.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 3"

MAT'L: 0.125" (3.2 mm) ALUMINUM

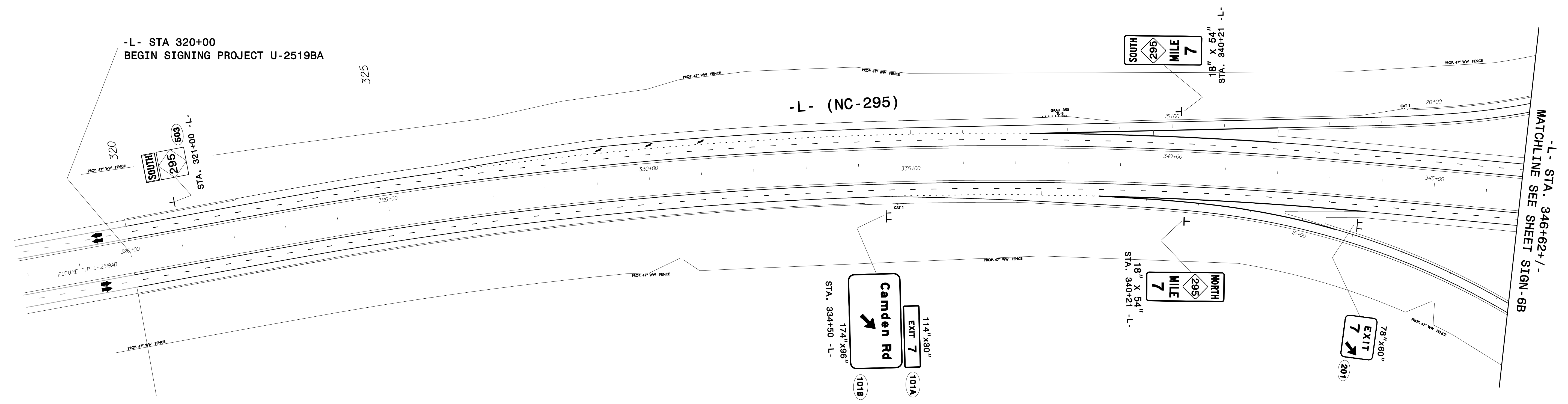
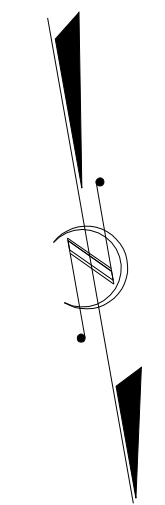
NO. Z BARS:
 LENGTH:

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

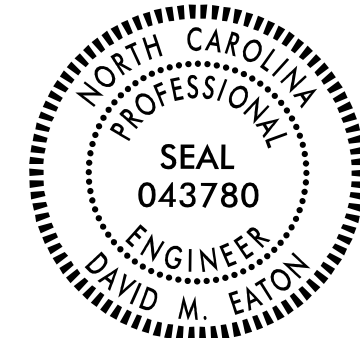
LETTER POSITIONS

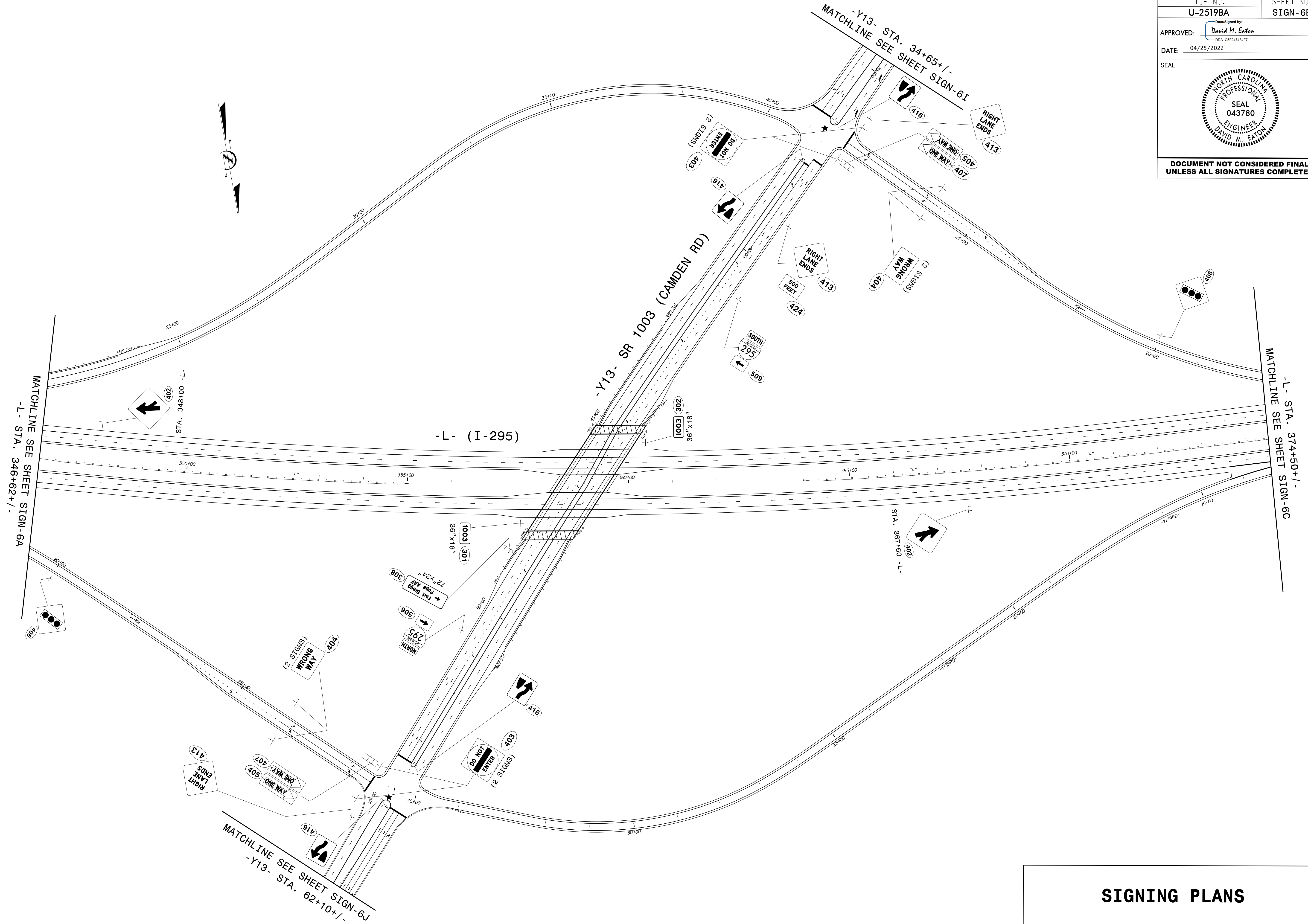
Letter spacings are to start of next letter													Series/Size
													Text Length
	F	o	r	t		B	r	a	g	g			D 2000
24.5	4.3	4.6	2.5	2.4	6	5	2.7	4.3	4.6	3.6	7.6	39.9	
	P	o	p	e		A	A	F					D 2000
25.3	4.6	4.6	4.3	3.5	6	5.5	6	3.7	8.4				38.3

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

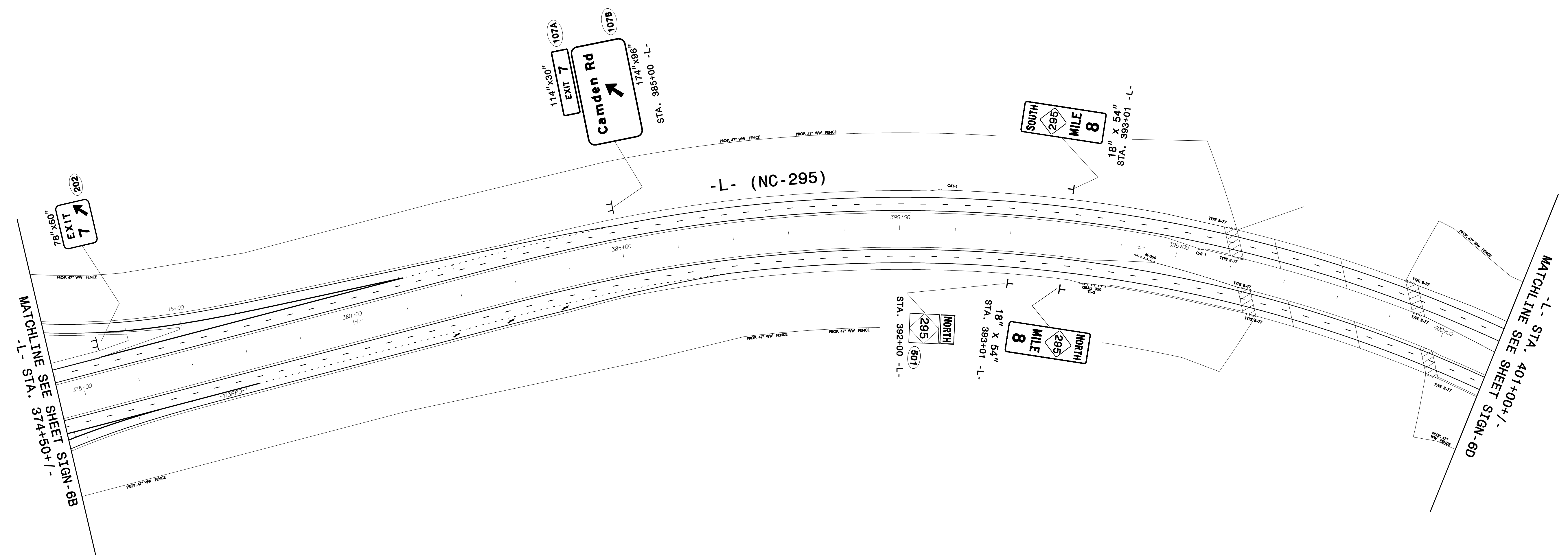


SIGNING PLANS

TIP NO. U-2519BA	SHEET NO. SIGN-6B
APPROVED: <i>David M. Eaton</i> <small>DDA1CSF247484F7</small>	
DATE: 04/25/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

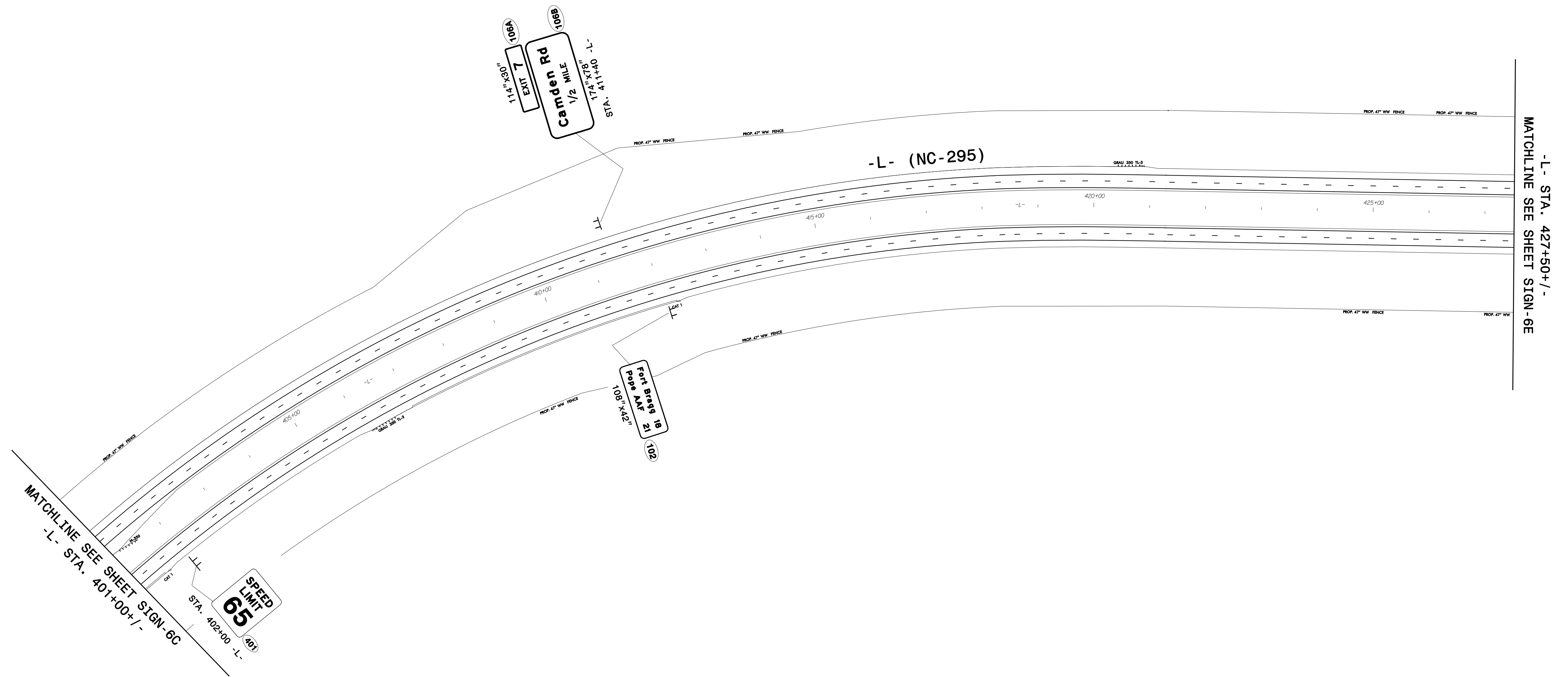
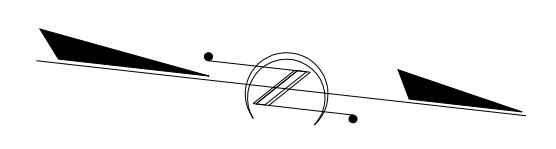


SIGNING PLANS



SIGNING PLANS

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

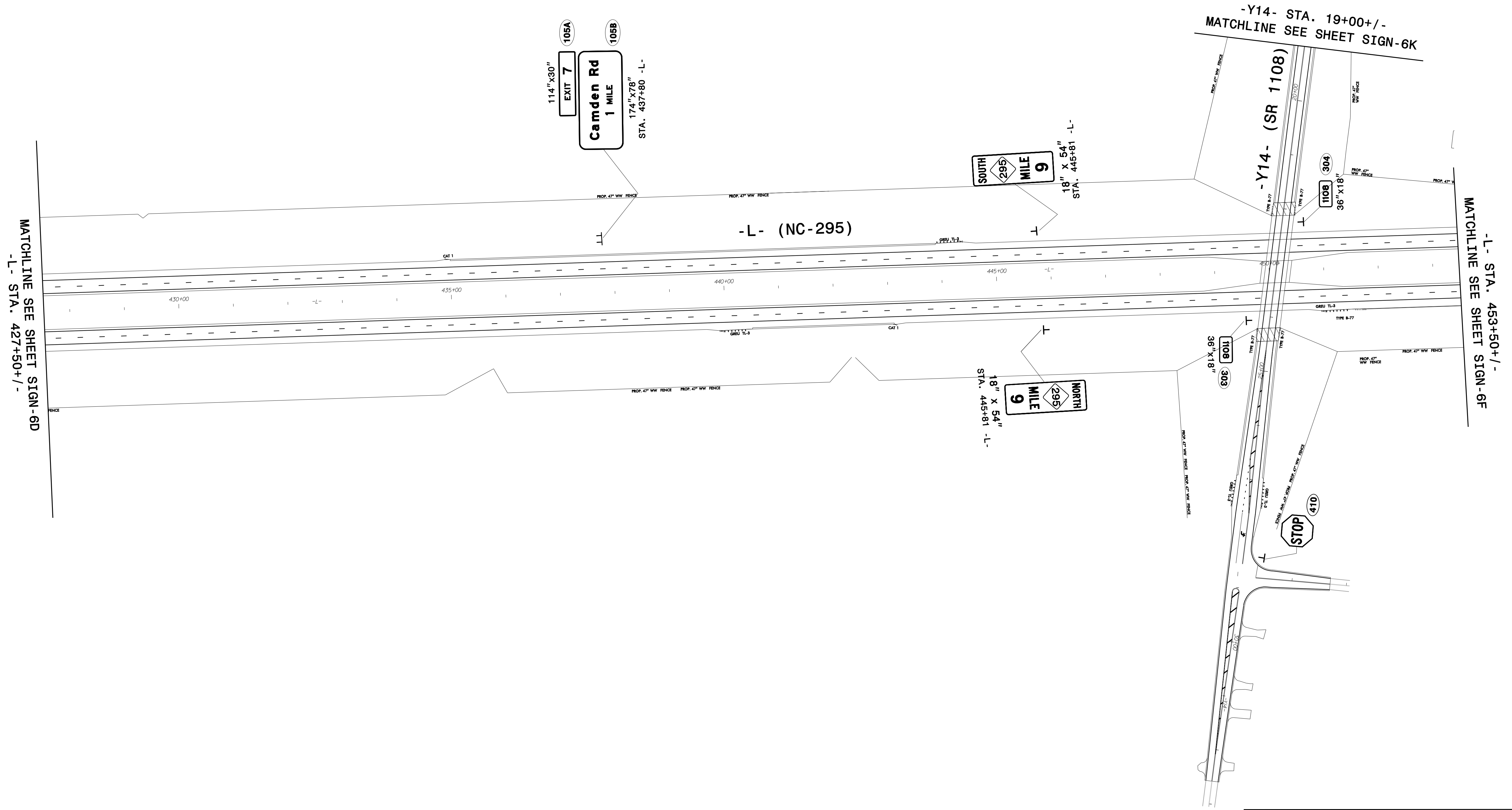
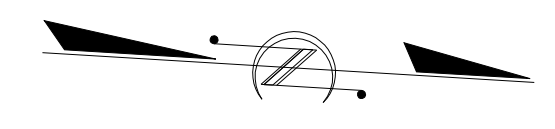


MATCHLINE SEE SHEET SIGN-6C
 -L- STA. 401+00+/-

MATCHLINE SEE SHEET SIGN-6E
 -L- STA. 427+50+/-

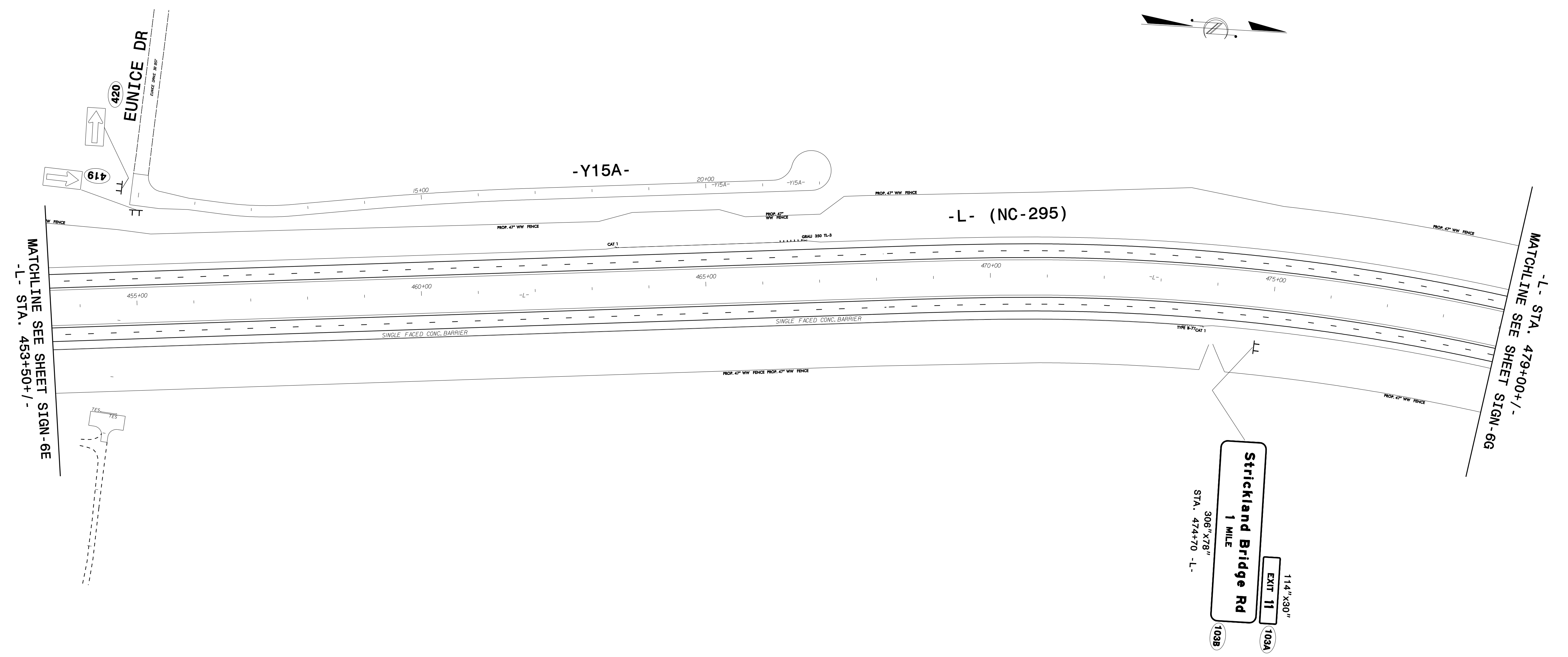
SIGNING PLANS

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



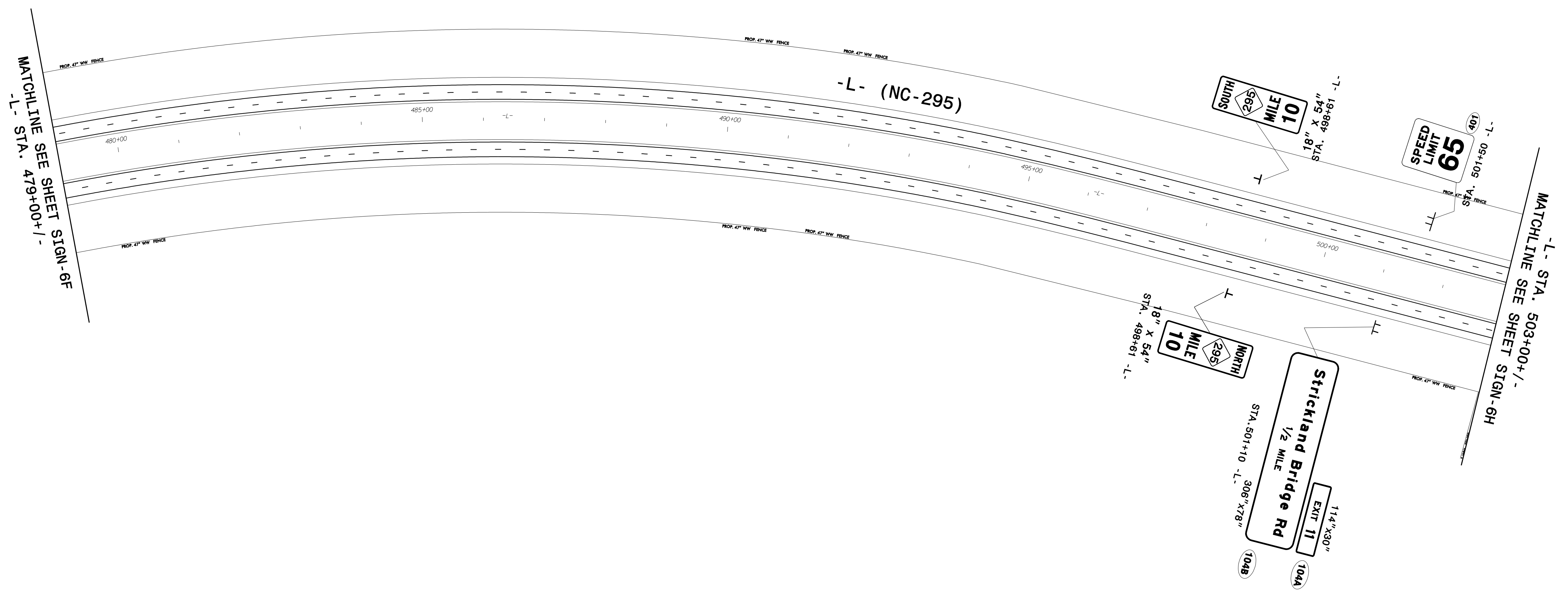
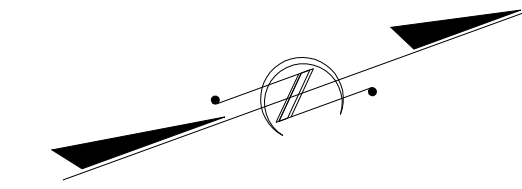
SIGNING PLANS

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED




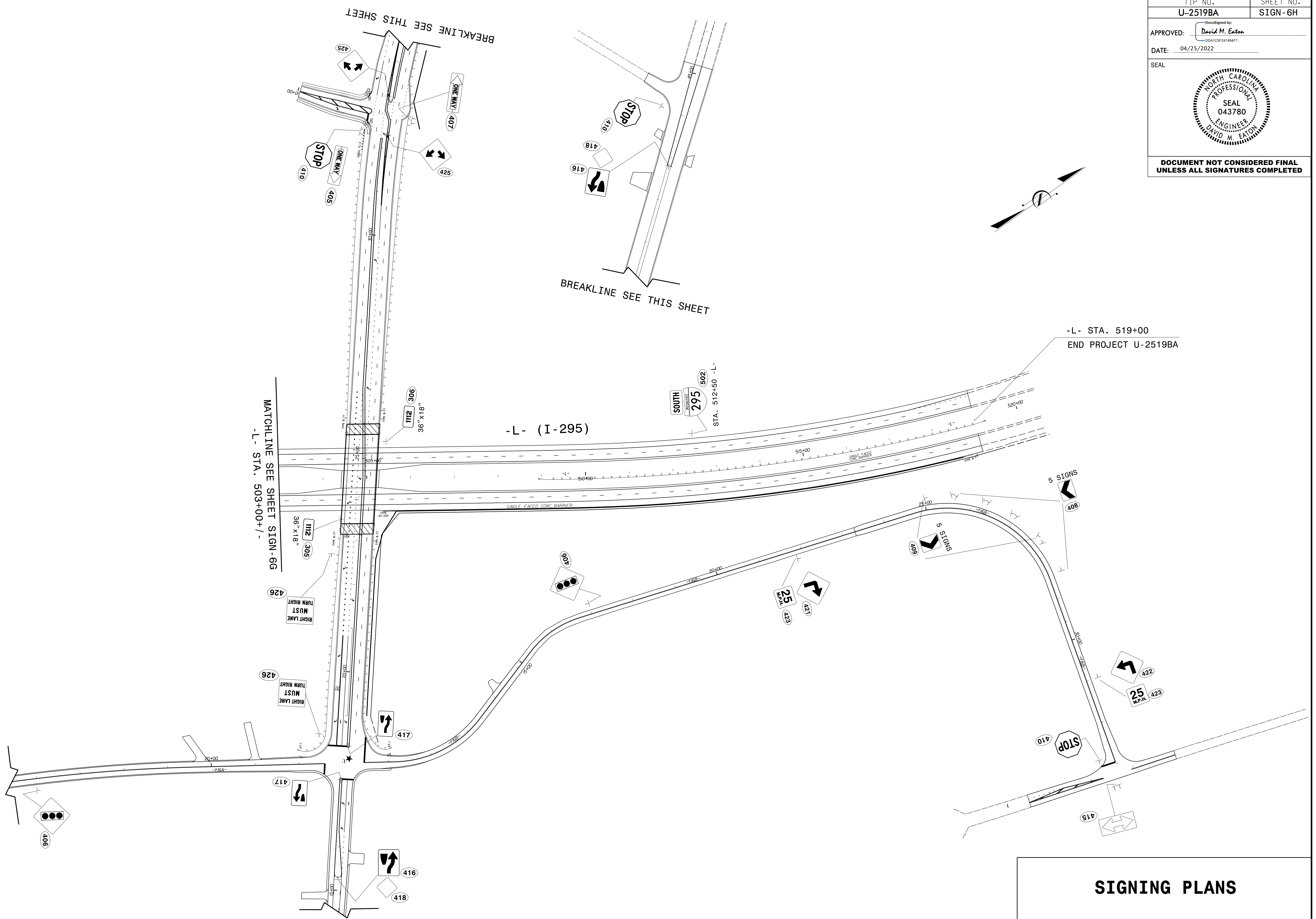
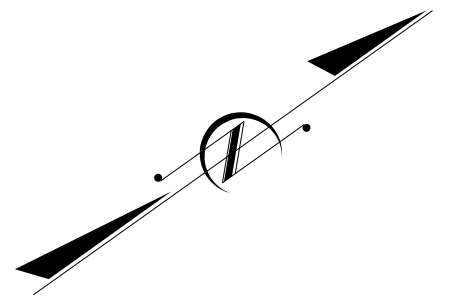
SIGNING PLANS

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



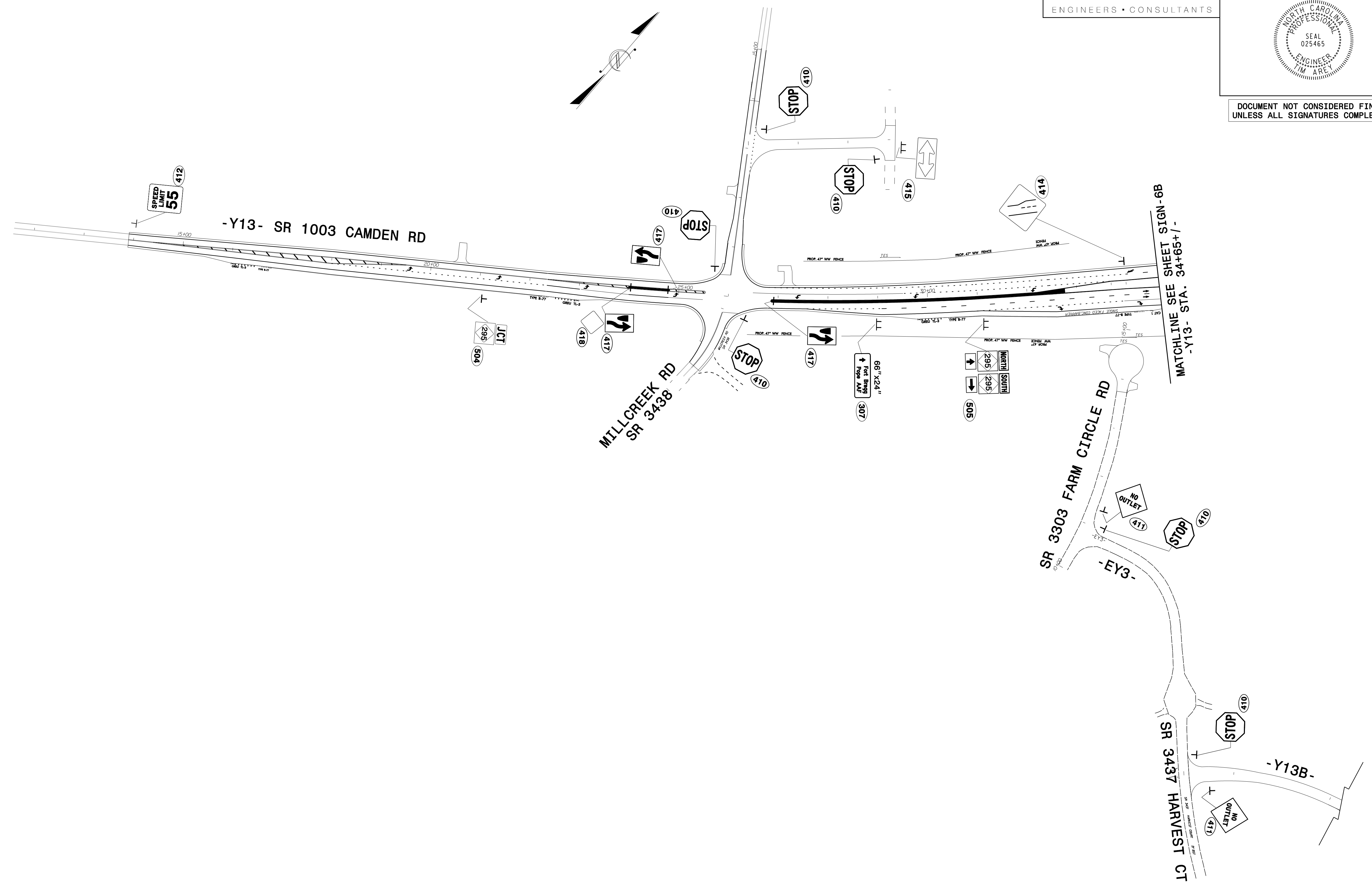
SIGNING PLANS

TIP NO. U-2519BA	SHEET NO. SIGN-6H
Approved by: <i>David H. Eaton</i> <small>DDA1CSF2474847...</small>	
DATE: 04/25/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	




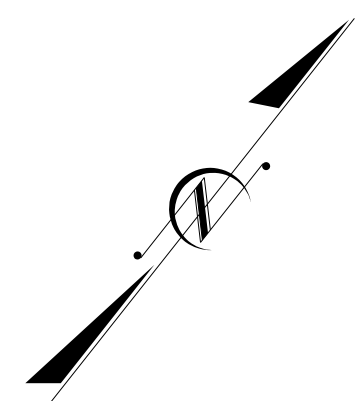
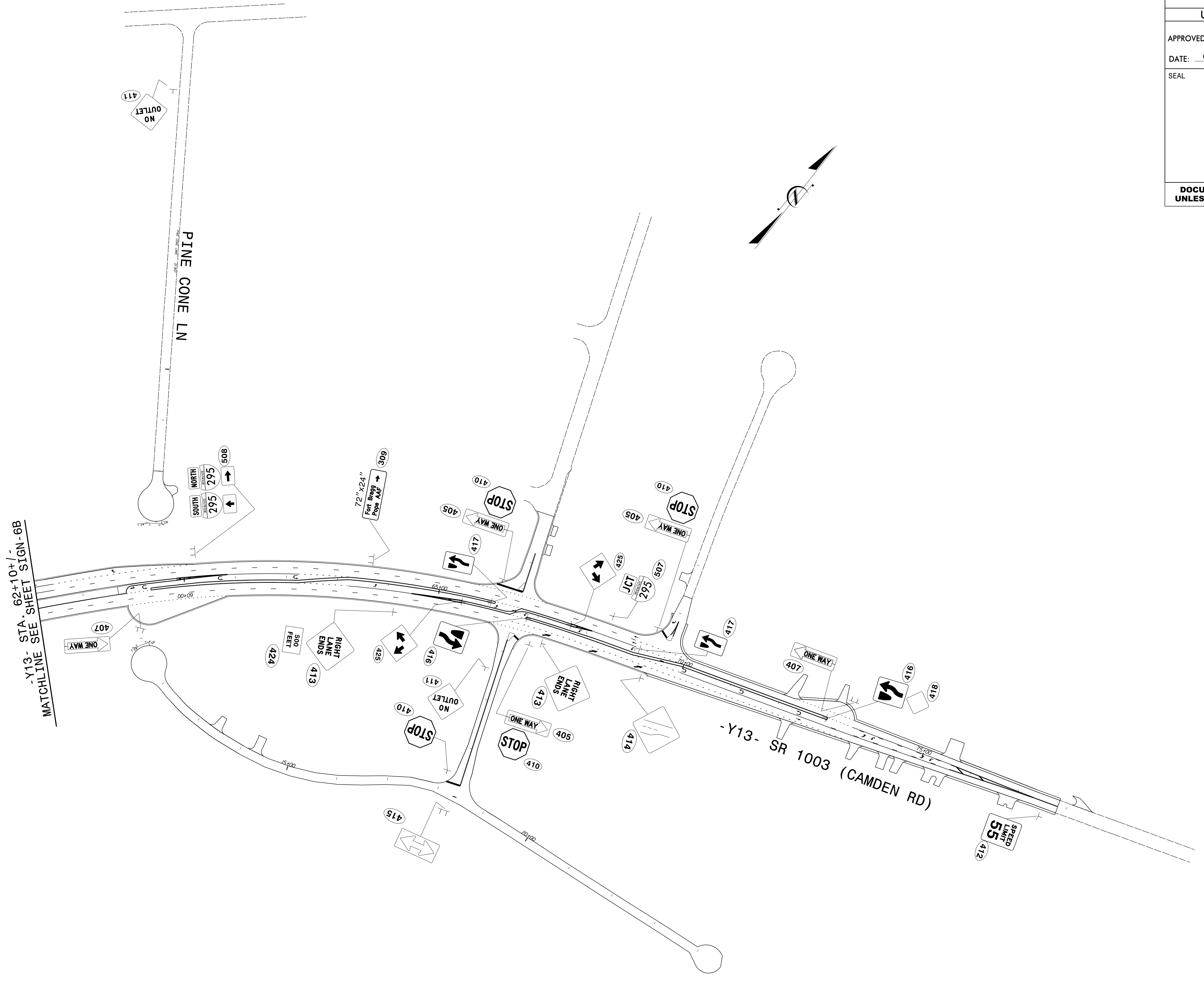
SIGNING PLANS

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



SIGNING PLANS

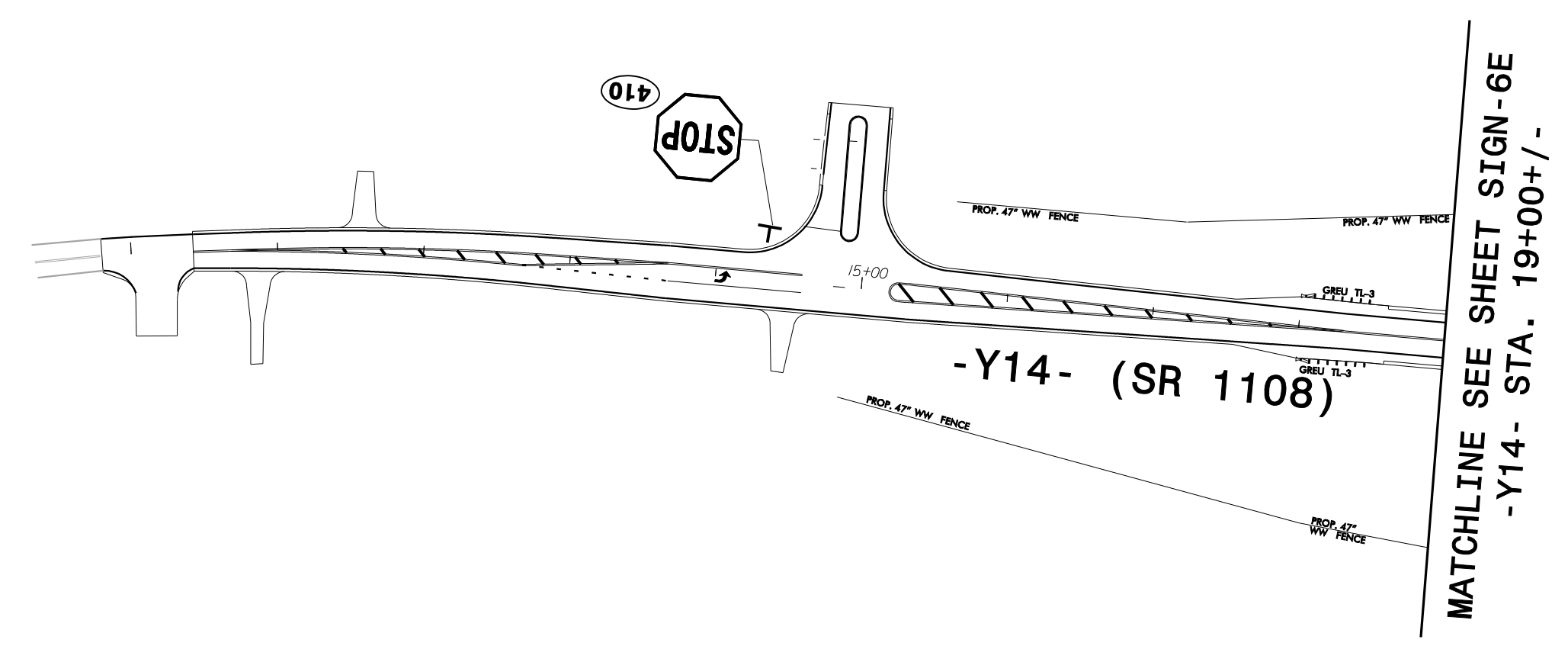
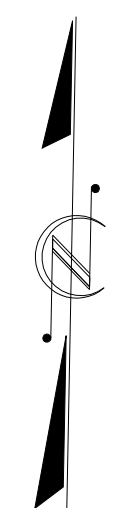
TIP NO. U-2519BA	SHEET NO. SIGN-6J
Approved by: <i>David H. Eaton</i> <small>DDA1CSF247484F7...</small>	
DATE: 04/25/2022	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	




SIGNING PLANS

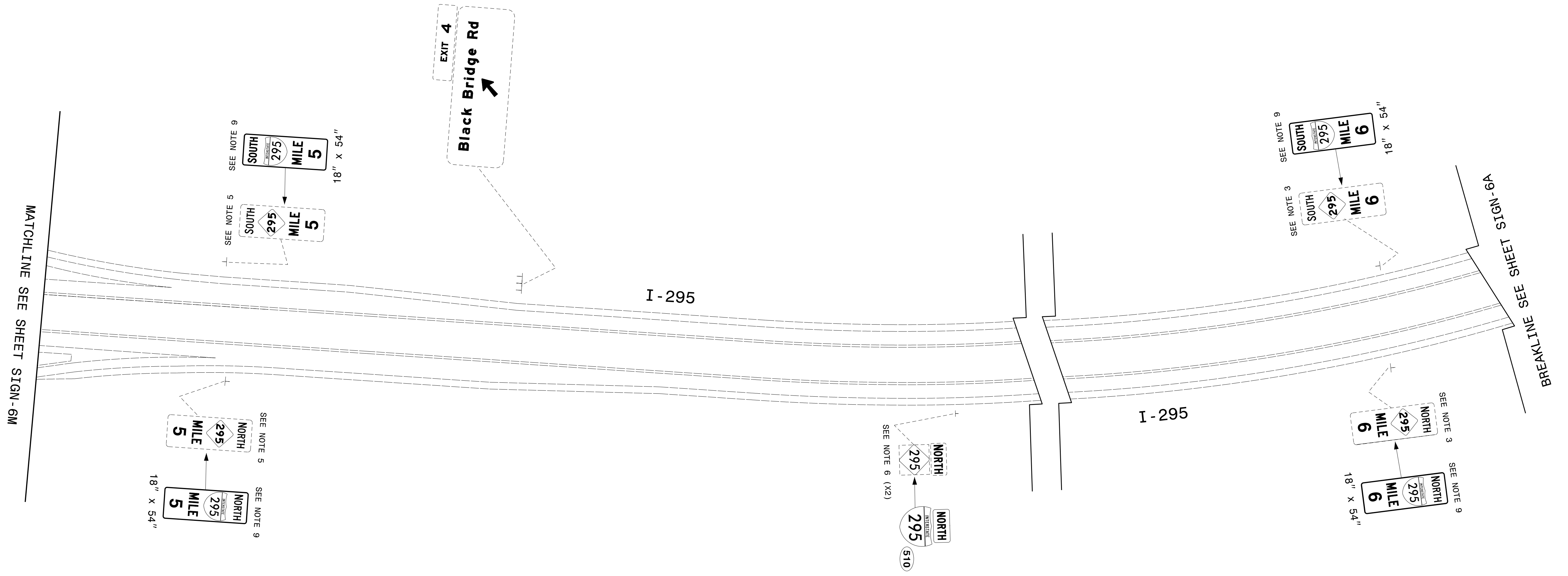


DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED




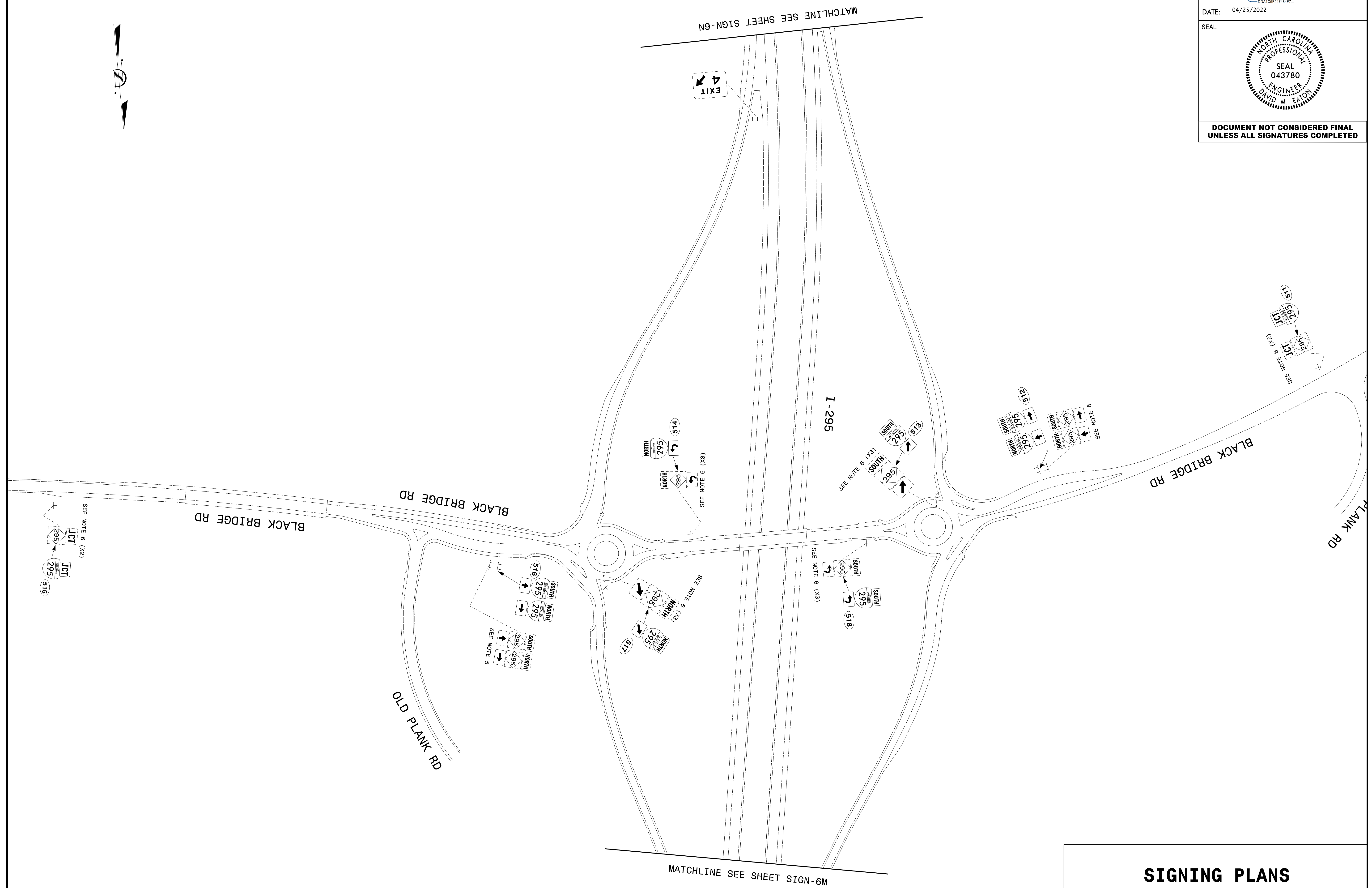
SIGNING PLANS

TIP NO. U-2519BA	SHEET NO. SIGN-6L
APPROVED: <i>David H. Eaton</i> <small>DDA1CSF247484F7...</small>	
DATE: 04/25/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	




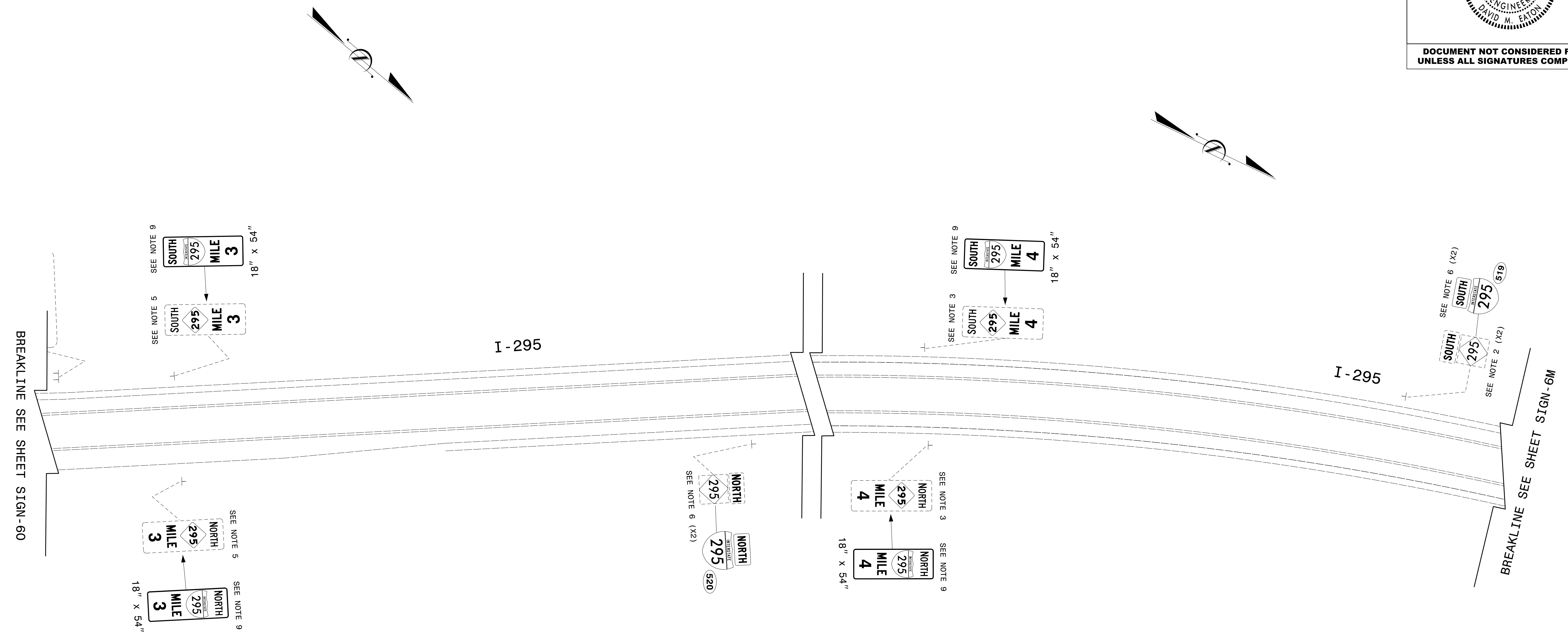
SIGNING PLANS

TIP NO. U-2519BA	SHEET NO. SIGN-6M
APPROVED: <i>David H. Eaton</i> <small>DDA1CSF2474847...</small>	
DATE: 04/25/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	




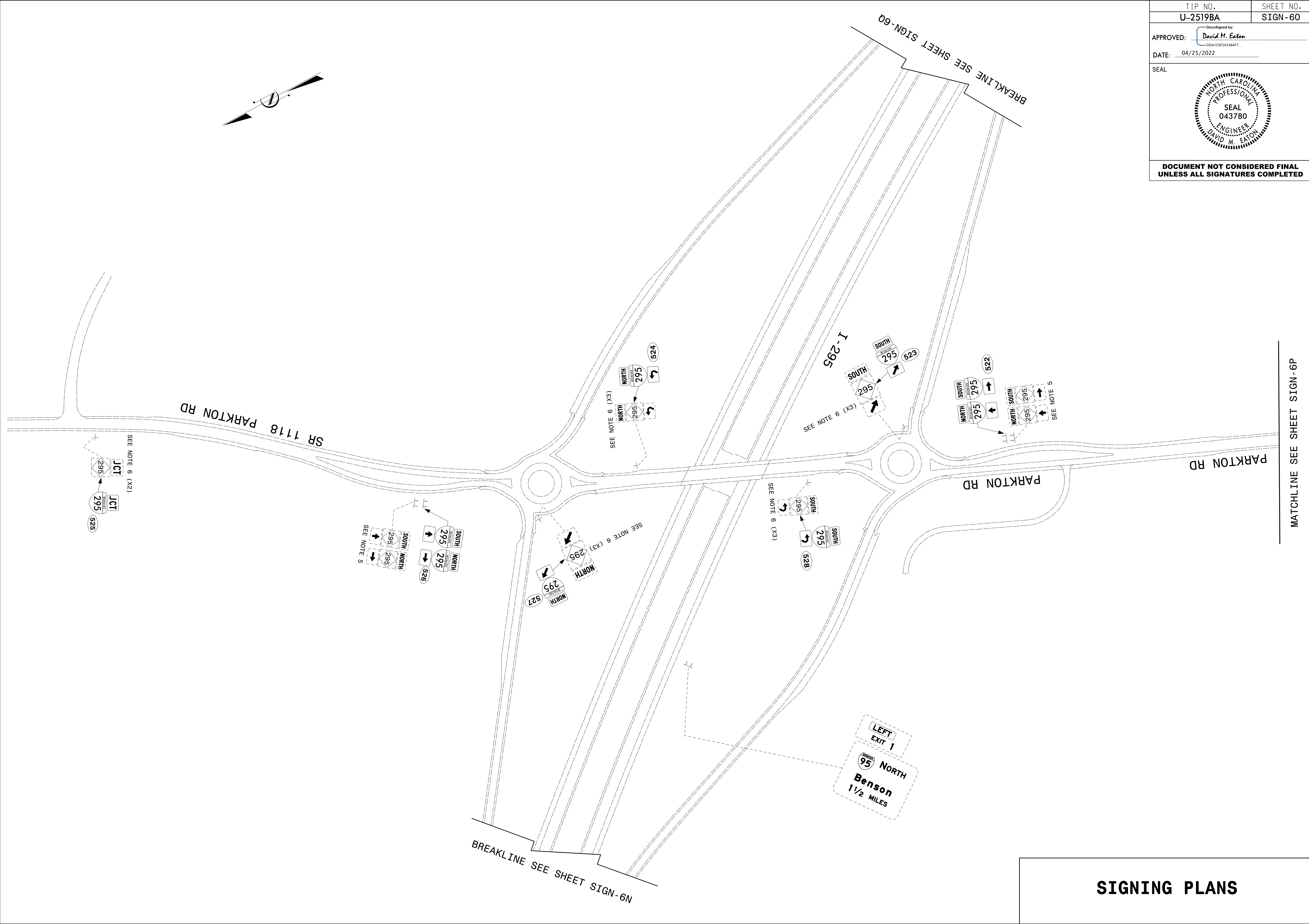
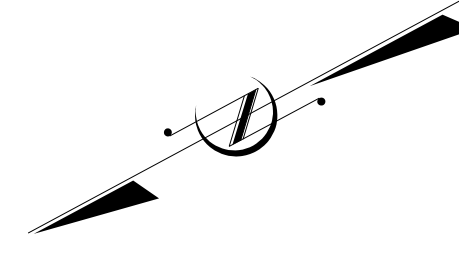
SIGNING PLANS

TIP NO. U-2519BA	SHEET NO. SIGN-6N
Approved by: <i>David H. Eaton</i> <small>DDA1CSF247484F7...</small>	
DATE: 04/25/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

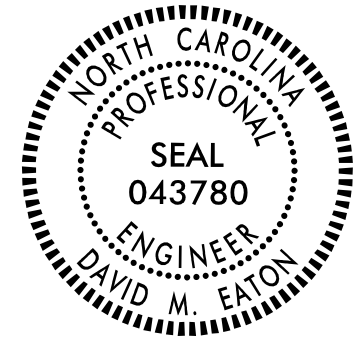


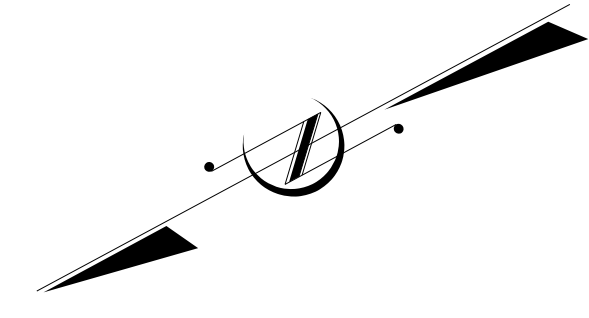
SIGNING PLANS

TIP NO. U-2519BA	SHEET NO. SIGN-60
Approved by: <i>David H. Eaton</i> <small>DDA1CSF247484F7...</small>	
DATE: 04/25/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



SIGNING PLANS

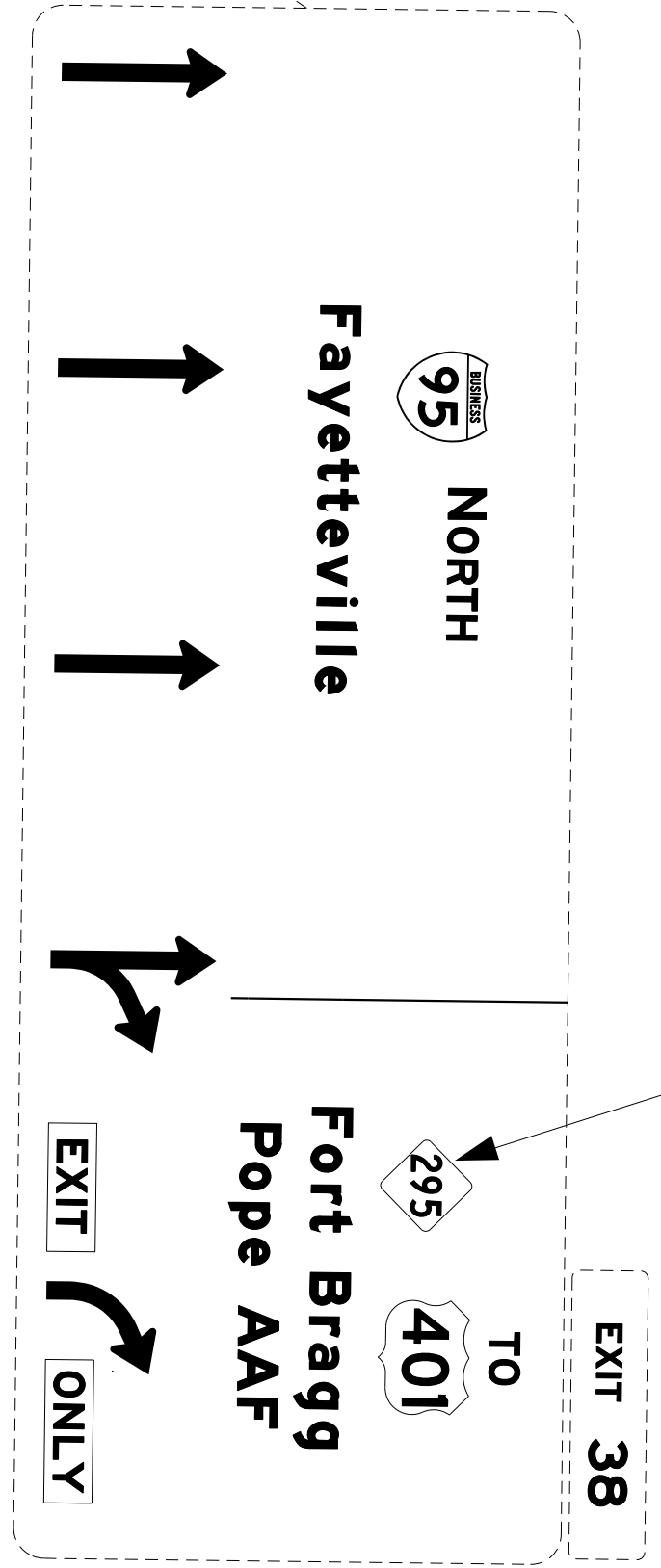
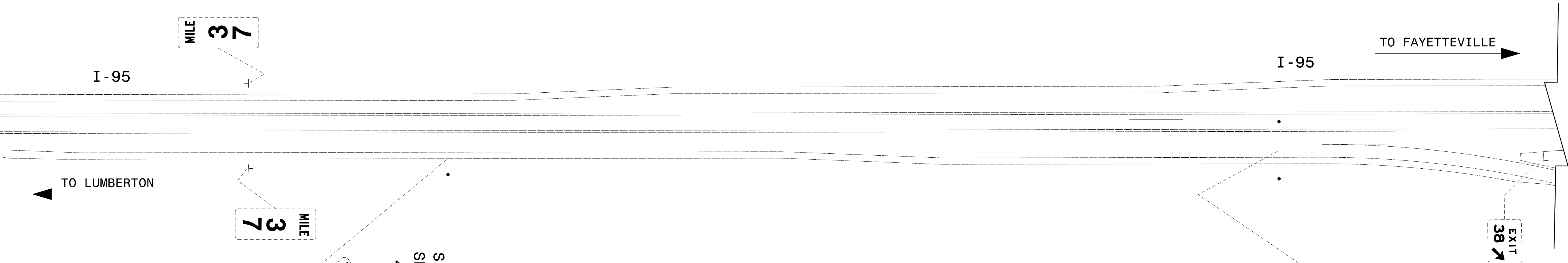
TIP NO. U-2519BA	SHEET NO. SIGN-6P
Approved by: <i>David H. Eaton</i> <small>DDA1CSF247484F7...</small>	
DATE: 04/25/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



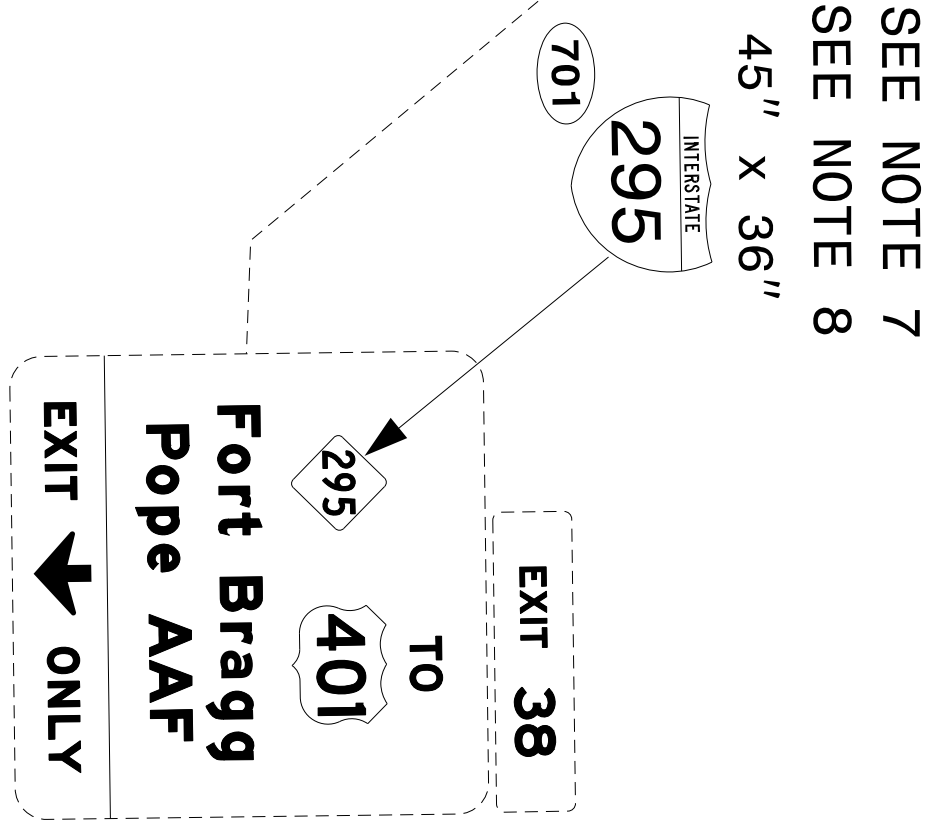
SIGNING PLANS



BREAKLINE SEE SHEET SIGN-6Q




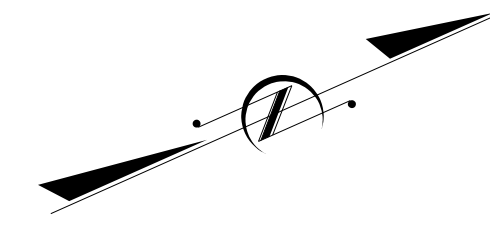
SEE NOTE 7
SEE NOTE 8
45" X 36"
702
INTERSTATE
295



SEE NOTE 7
SEE NOTE 8
45" X 36"
701
INTERSTATE
295

SIGNING PLANS

TIP NO. U-2519BA	SHEET NO. SIGN-6S
Approved by: <i>David H. Eaton</i> <small>DDA1CSF247484F7...</small>	
DATE: 04/25/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	




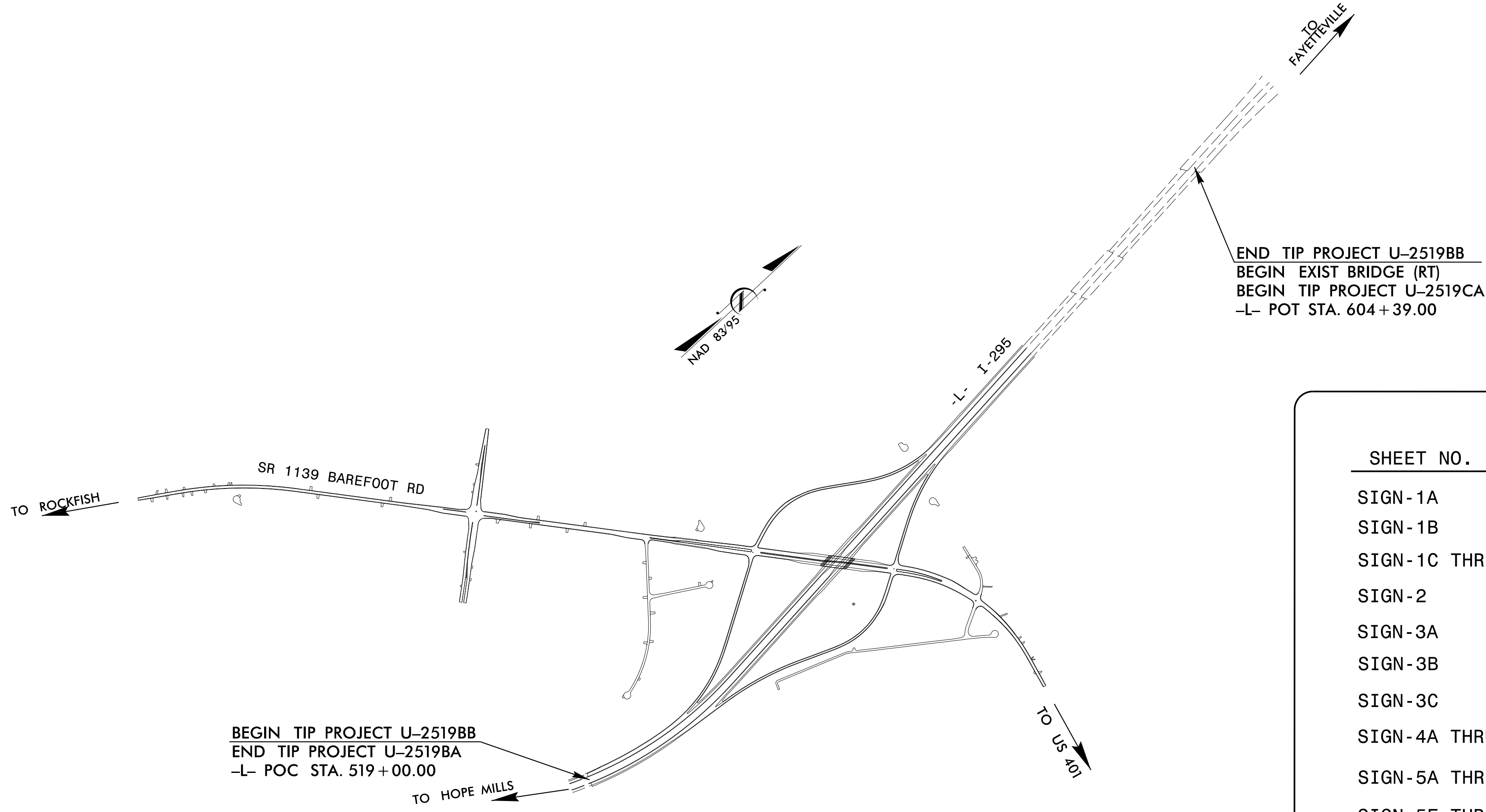
SIGNING PLANS

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
CUMBERLAND COUNTY

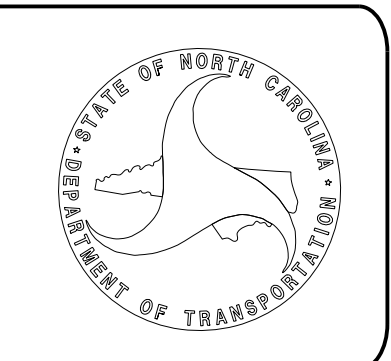
LOCATION: FAYETTEVILLE OUTER LOOP FROM SOUTH OF SR 1104 (STRICKLAND BRIDGE RD)
TO NORTH OF US 401

TIP NO. U-2519BB	SHEET NO. SIGN-1A
APPROVED: <i>David M. Eaton</i> DDA1CSF247484F7...	
DATE: 02/11/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



INDEX	
SHEET NO.	DESCRIPTION
SIGN-1A	TITLE SHEET
SIGN-1B	SUMMARY OF QUANTITIES AND NOTES
SIGN-1C THRU 1F	REVISED ROADWAY STANDARD DRAWINGS
SIGN-2	SUPPORT INFORMATION
SIGN-3A	TYPE E SIGNS
SIGN-3B	TYPE F SIGNS
SIGN-3C	MILE MARKERS
SIGN-4A THRU 4G	SIGN DESIGNS
SIGN-5A THRU 5E	PROPOSED STRUCTURE LINE DRAWINGS
SIGN-5F THRU 5I	EXISTING STRUCTURE LINE DRAWINGS
SIGN-6A THRU 6J	SIGNING PLAN SHEETS

PLAN SUBMITTED TO:	
<u>A. I. Alqudwah, PE</u>	SIGNING & DELINEATION REGIONAL ENGINEER
<u>D. M. Eaton, PE</u>	SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY: firms name here	
<u>Tim Arey, PE</u>	PROJECT ENGINEER
<u>Susan Kunz</u>	SIGNING PROJECT MANAGER
<u>Larry Ashley</u>	SIGNING DESIGN ENGINEER

Prepared in the Office of:

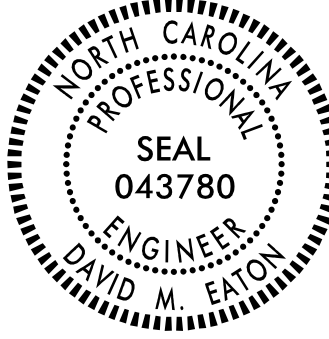
PROGRESSIVE
DESIGN GROUP, INC.



ENGINEERS • CONSULTANTS

02/11/22 P:\TIP\Projects-U\U2519BB\Traffic\Signing\CADD\Signing Layout Plans\Roadway Revision\U-2519bb-Sgn-Title Quant.txd Sheets.dgn User:meaton

CONTRACT: C204110 T.I.P.: U-2519BB

TIP NO. U-2519BB	SHEET NO. SIGN-1B
APPROVED: <i>David M. Eaton</i> <small>DDA1CSF24784F7...</small>	
DATE: 02/11/2022	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

GENERAL NOTES

- . SIGNS FURNISHED BY STATE
- . CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.
- . ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- . DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

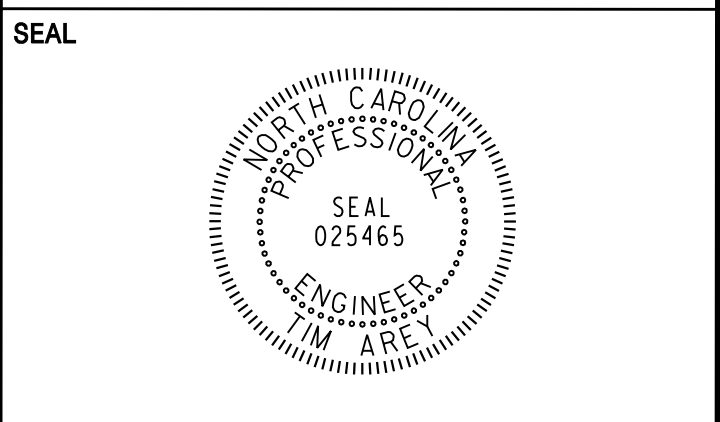
PROJECT NOTES

- 1 SIGN ERECTION, TYPE A (OVERHEAD)
- 2 SIGN ERECTION, TYPE B (OVERHEAD)
- 3 SIGN ERECTION, REPOSITION OVERHEAD
- 4 DISPOSAL OF SIGN, A OR B (OVERHEAD)
- 5 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 6 DISPOSAL OF SIGN, D, E OR F
- 7 DISPOSAL OF SIGN, OVERLAY (OVERHEAD)
- 8 SIGN ERECTION, OVERLAY (OVERHEAD)
- 9 SIGN ERECTION, MILEMARKERS

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	1	C.Y.
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	1	C.Y.
4057000000	SP	OVERHEAD FOOTING	126	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	622	LB.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM	360	LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	1612	L.F.
4079000000	903	SUPPORTS, BARRIER (SMALL)	3	EA.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)	5	EA.
4109000000	904	SIGN ERECTION, TYPE B (OVERHEAD)	2	EA.
4096000000	904	SIGN ERECTION, TYPE D	6	EA.
4102000000	904	SIGN ERECTION, TYPE E	63	EA.
4108000000	904	SIGN ERECTION, TYPE F	11	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	5	EA.
4114000000	904	SIGN ERECTION, MILEMARKERS	4	EA.
4115000000	904	SIGN ERECTION, OVERLAY (OVERHEAD)	3	EA.
4116200000	904	SIGN ERECTION, REPOSITION OVERHEAD	3	EA.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA. 530+95 -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA. 573+00 -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA. 26+00 -Y1RPC-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA. 598+00 -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA. 568+85 -L-	1	L.S.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	6	EA.
4234000000	907	DISPOSAL OF SIGN, A OR B (OVERHEAD)	3	EA.
4238000000	907	DISPOSAL OF SIGN, D, E OR F	14	EA.
4241000000	907	DISPOSAL OF SIGN, OVERLAY (OVERHEAD)	3	EA.

SIGNING PLANS



DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

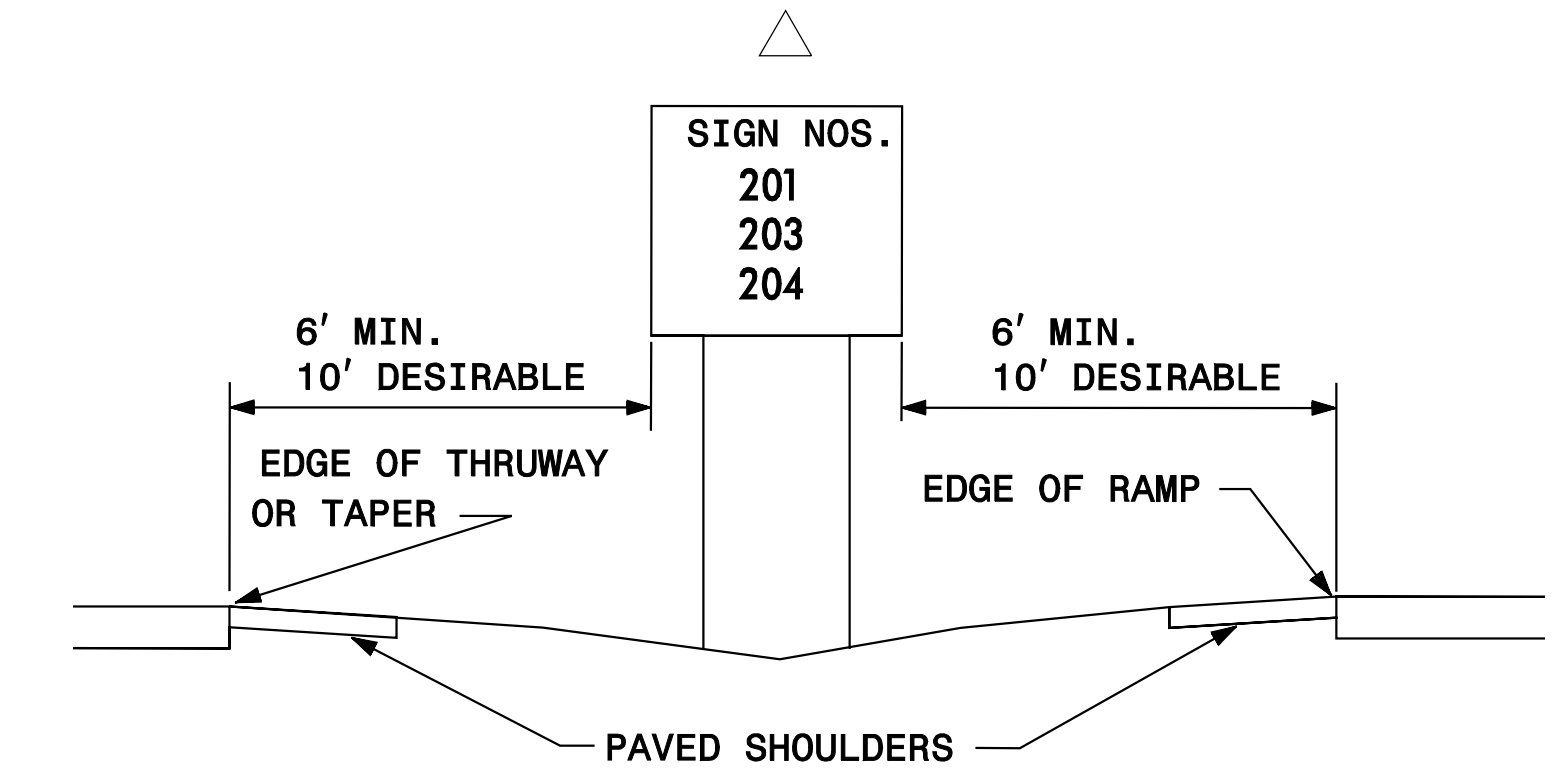
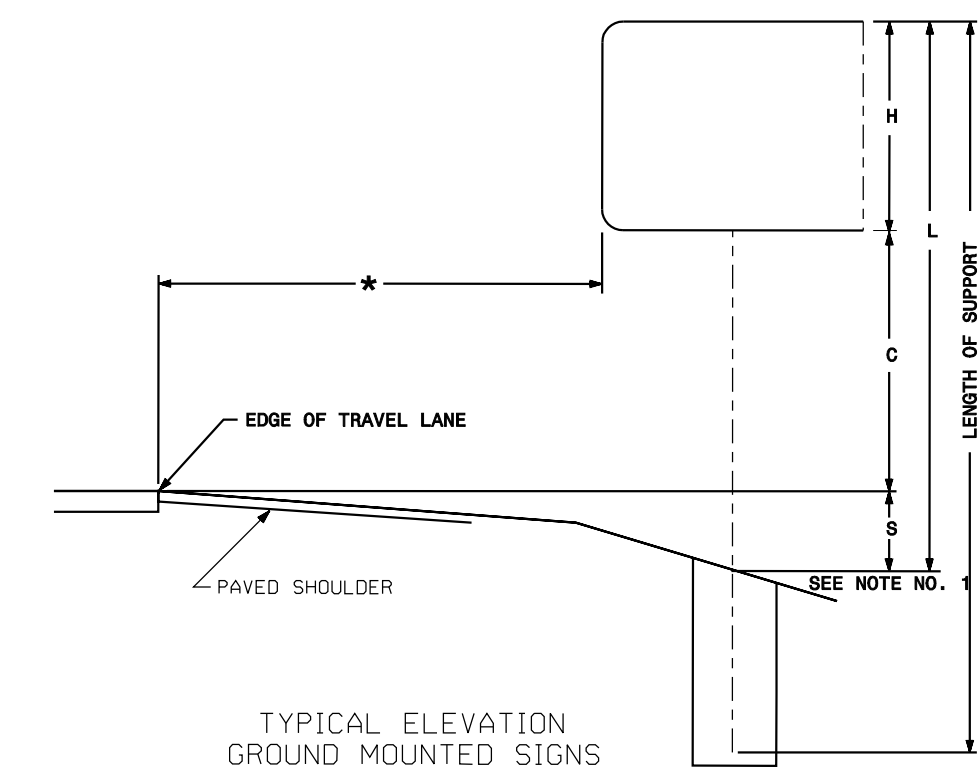
Version: 3.1 Posted: 6/2/2017

NUMBER	TYPE	SIGN SIZE (in.)			ROADWAY STATION	NUMBER OF SUPPORTS	BEAM SECTION	SUPPORT TYPE BA or S	OMNI COUPLER	ATTACHMENT METHOD	MOUNTING METHOD	HORIZONTAL CLEARANCE* (ft.)	SUPPORT SPACING	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			SUPPORT WEIGHTS		FOOTINGS				FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
		w	x	h										SNS HT	MTG HT	EMBED.	S	L	LENGTH	S	L	LENGTH	S	L	LENGTH	B/A (lbs.)	SIMPLE (lbs.)	DIAMETER (ft.)	DEPTH (ft.)	REINFORCED (c.y.)	PLAIN (c.y.)	
		"H"	"C"	MENT										S	L	LENGTH	S	L	LENGTH	S	L	LENGTH	B/A	SIMPLE	DIAMETER	DEPTH	REINFORCED	PLAIN				
101	A	120	x	72	587+00 -L- NB	2	W6x9	S	N/A	N/A	N/A	22.00	5.86	6.00	7.00	3.0	3.01	16.01	19.01	0.00	0.00	0.00	4.95	17.95	20.95	0.00	359.64	1.5	3.5	0.46	0.00	
201	A	78	x	60	534+75+/- -L- NB	2	S3x5.7	BA	N/A	N/A	N/A	Δ	3.81	5.00	7.00	2.5	0.50	12.50	15.00	0.00	0.00	0.00	0.50	12.50	15.00	207.00	0	1.0	3	0.00	0.17	
203	A	78	x	60	563+90+/- -L- SB	2	S3x5.7	BA	N/A	N/A	N/A	Δ	3.81	5.00	7.00	2.5	0.50	12.50	15.00	0.00	0.00	0.00	0.50	12.50	15.00	207.00	0	1.0	3	0.00	0.17	
204	A	72	x	60	26+05 -Y1- (CA)	2	S3x5.7	BA	N/A	N/A	N/A	Δ	3.52	5.00	7.00	2.5	0.50	12.50	15.00	0.00	0.00	0.00	0.50	12.50	15.00	207.00	0	1.0	3	0.00	0.17	
																							TOTAL	TOTAL	TOTAL	TOTAL						
																							621.00	359.64	0.46	0.52						
																							USE:	622.00	360.00	1.00	1.00					


GORE SIGN NO. 202 IS NOT INCLUDED ON THE SUPPORT CHART. THE SUPPORT STRUCTURE FOR THIS SIGN IS INCLUDED UNDER TIP PROJECT NO. U-2519CA/B-5516.

NOTES

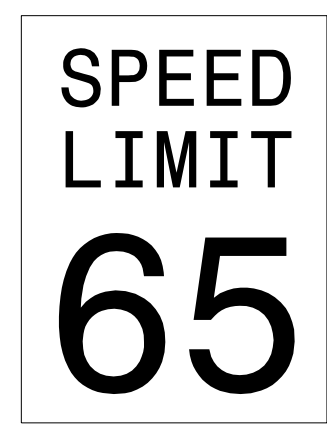
- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF PAVEMENT.
- FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (*) ARTICLE 1072-1. (*) = N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- PLAN LOCATIONS FOR EXISTING UTILITIES ARE BASED ON THE BEST AVAILABLE INFORMATION AND, THEREFORE MAY NOT BE PRECISELY ACCURATE. THEREFORE, IT IS INCUMBENT UPON THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE BEGINNING WORK IN A LOCATION.
- IF GROUNDWATER IS ENCOUNTERED AT A DEPTH SHALLOWER THAN 7 FEET, THE SIGN FOUNDATION MUST BE REDESIGNED BASED UPON THE ACTUAL FIELD CONDITIONS. THE FOUNDATION DESIGN DOES NOT APPLY TO VERY SOFT OR LOOSE SOIL, MUCK, WEATHERED ROCK, OR HARD ROCK.



SIGNING PLANS
 GROUND MOUNTED TYPE A & B SIGNS

TIP NO. U-2519BB	SHEET NO. SIGN-3A
APPROVED: <i>David M. Eaton</i> DDA1CSF24784F7...	
DATE: 02/11/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

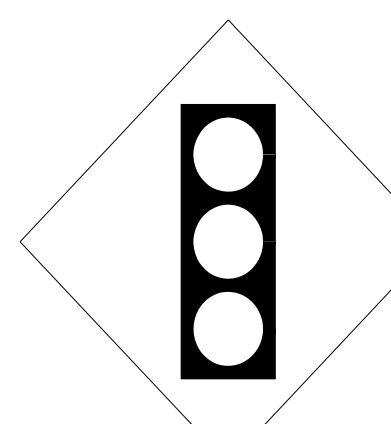
401 QUANTITY REQ'D 2



R2-1
48" X 60"

TWO "U" POSTS PER SIGN


406 QUANTITY REQ'D 3



W3-3
36" X 36"

ONE INSTALLATION ON BRIDGE/BARRIER
ONE "U" POST PER SIGN

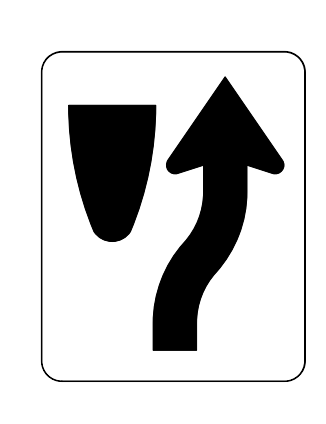
411 QUANTITY REQ'D 5



W14-2
36" X 36"

ONE "U" POST PER SIGN

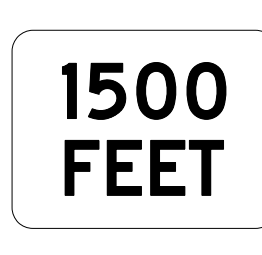
416 QUANTITY REQ'D 5



R4-7
24" X 30"

ONE "U" POST PER SIGN

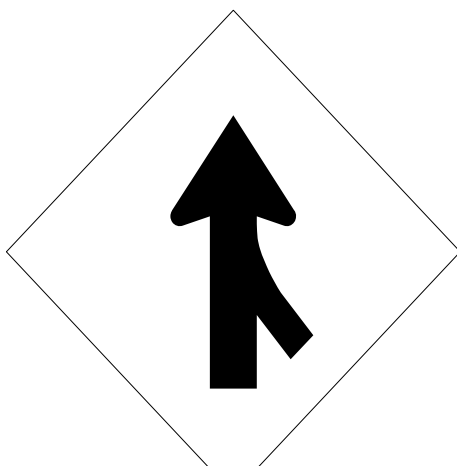
421 QUANTITY REQ'D 1



W16-2P
24" X 18"

MOUNT BELOW 413
IN 1 INSTALLATION


402 QUANTITY REQ'D 1



W4-1 (R)
48" X 48"

TWO "U" POSTS PER SIGN

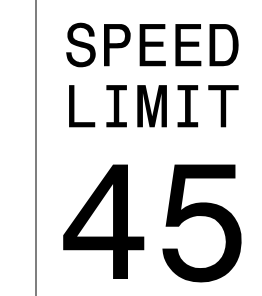
407 QUANTITY REQ'D 2



R6-1 (L)
54" X 18"

MOUNT BACK TO BACK
WITH SIGN 405

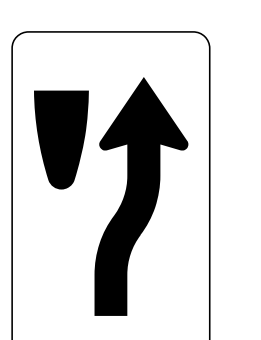
412 QUANTITY REQ'D 2



R2-1
24" X 30"

ONE "U" POST PER SIGN

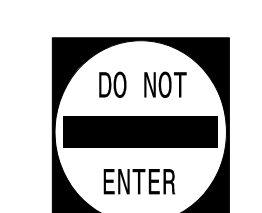
417 QUANTITY REQ'D 1



R4-7c
18" X 30"

ONE "U" POST PER SIGN

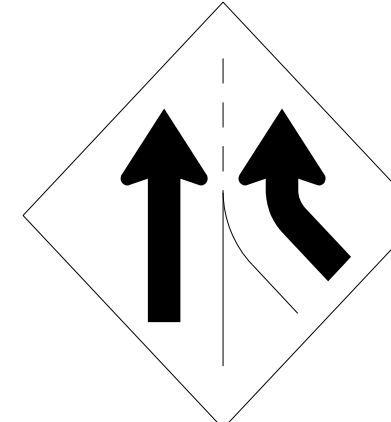
403 QUANTITY REQ'D 8



R5-1
36" X 36"

ONE "U" POST PER SIGN

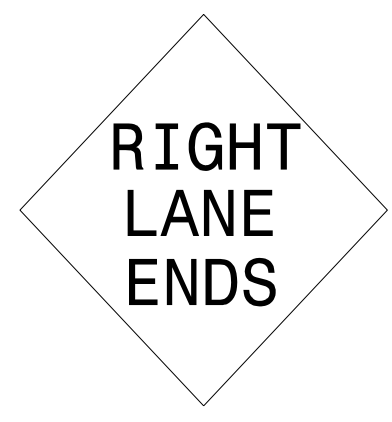
408 QUANTITY REQ'D 2



W4-3(R)
48" X 48"

TWO "U" POSTS PER SIGN

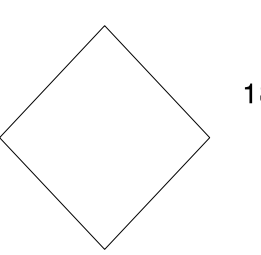
413 QUANTITY REQ'D 3



W9-2(R)
36" X 36"

ONE INSTALLATION ON BRIDGE/BARRIER
ONE "U" POST PER SIGN

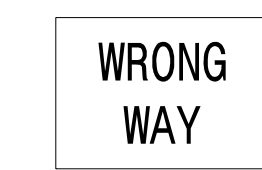
418 QUANTITY REQ'D 2



OM1-3
18" X 18"

MOUNT BELOW 416 AND 417
IN 2 INSTALLATIONS

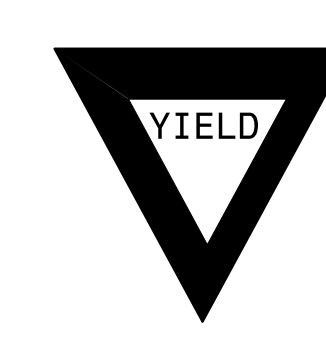
404 QUANTITY REQ'D 6



R5-1a
36" X 24"

ONE "U" POST PER SIGN

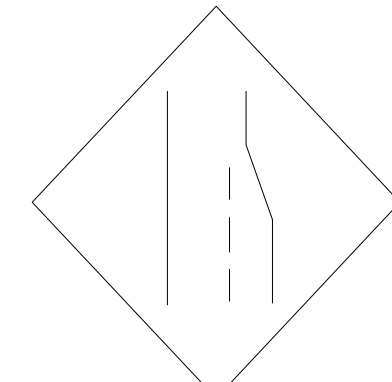
409 QUANTITY REQ'D 1



R1-2
36" X 36" X 36"

ONE "U" POST PER SIGN

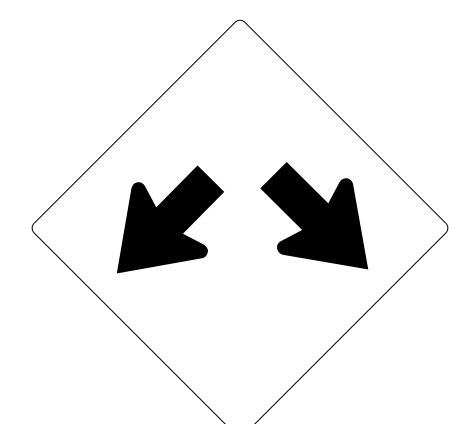
414 QUANTITY REQ'D 4



W4-2(R)
36" X 36"

TWO INSTALLATIONS ON BRIDGE/BARRIER
ONE "U" POST PER SIGN


419 QUANTITY REQ'D 1



W12-1
36" X 36"

ONE "U" POST PER SIGN

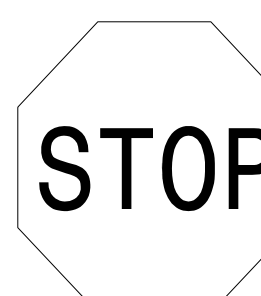
405 QUANTITY REQ'D 2



R6-1 (R)
54" X 18"

TWO "U" POSTS PER SIGN

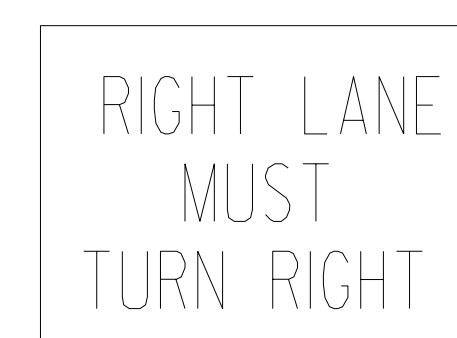
410 QUANTITY REQ'D 4



R1-1
36" X 36"

ONE "U" POST PER SIGN

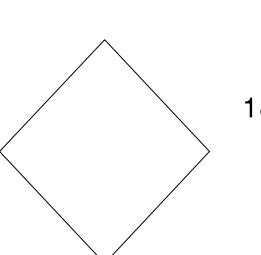
415 QUANTITY REQ'D 2



R3-7
36" X 24"

ONE "U" POST PER SIGN

420 QUANTITY REQ'D 6

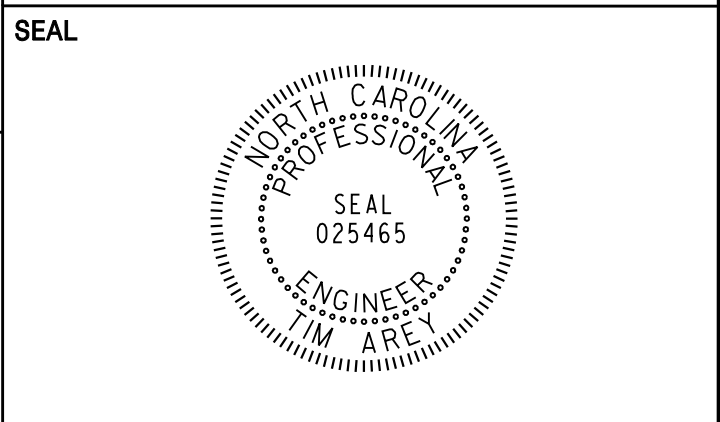


OM4-3
18" X 18"

ONE "U" POST PER SIGN

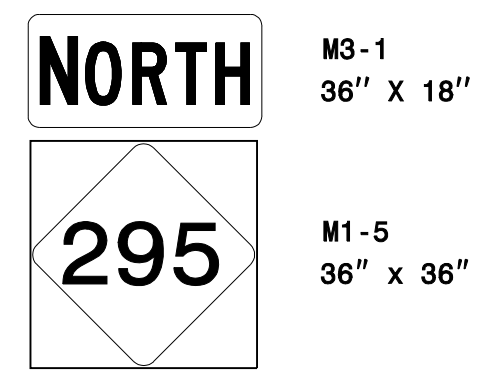
**SIGNING PLANS
TYPE "E" SIGNS**

02/03/22
 P:\IP\Projects-U\U2519BB\Traffic\Signing\CADD\Signing Layout Plans\Roadway Revision\U-2519bb_Sgn-Title Quantity Sheets.dgn
 User:meaton



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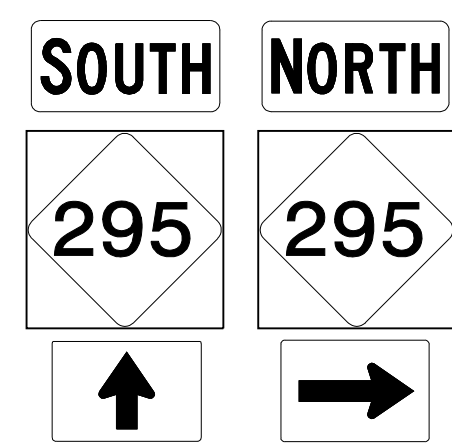
501 QUANTITY REQ'D 1



M3-1
36" x 18"
 M1-5
36" x 36"

ONE "U" POST PER SIGN ASSEMBLY

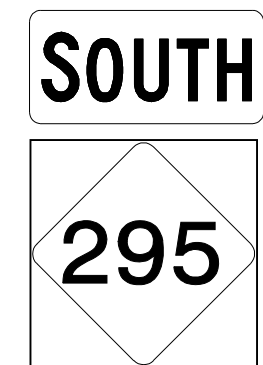
507 QUANTITY REQ'D 1



M3-3
1-24" x 12"
 M3-1
1-24" x 12"
 M1-5
2-24" x 24"
 M6-3
1-21" x 15"
 M6-1
1-21" x 15"

TWO "U" POSTS PER SIGN ASSEMBLY

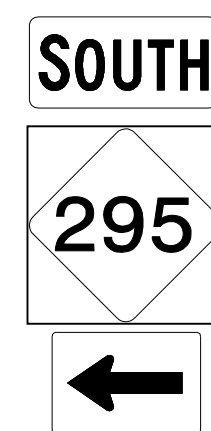
502 QUANTITY REQ'D 1



M3-4
36" x 18"
 M1-5
36" x 36"

ONE "U" POST PER SIGN ASSEMBLY

508 QUANTITY REQ'D 1

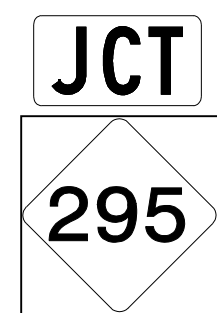


M3-3
1-24" x 12"
 M1-5
1-24" x 24"
 M6-1
1-21" x 15"

ONE "U" POST PER SIGN ASSEMBLY

503 QUANTITY REQ'D 2

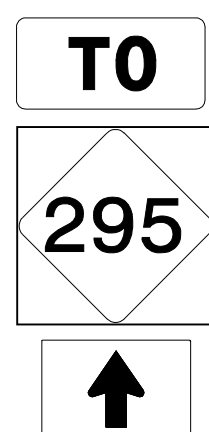
506



M2-1
1-21" x 15"
 M1-5
1-24" x 24"

ONE "U" POST PER SIGN ASSEMBLY

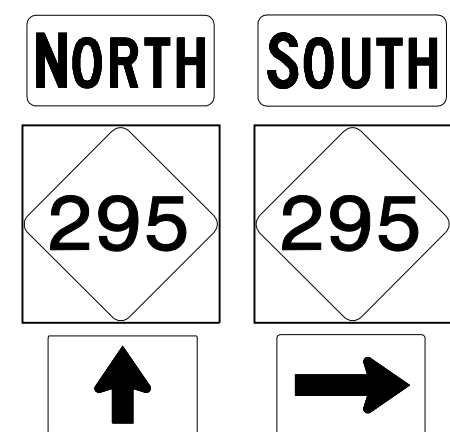
509 QUANTITY REQ'D 1



M4-5
1-24" x 12"
 M1-5
1-24" x 24"
 M6-3
1-21" x 15"

ONE "U" POST PER SIGN ASSEMBLY

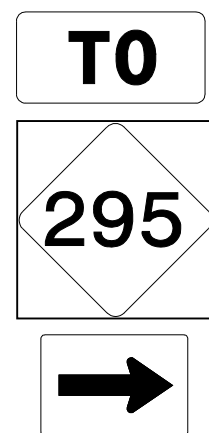
504 QUANTITY REQ'D 1



M3-1
1-24" x 12"
 M3-3
1-24" x 12"
 M1-5
2-24" x 24"
 M6-3
1-21" x 15"
 M6-1
1-21" x 15"

TWO "U" POSTS PER SIGN ASSEMBLY

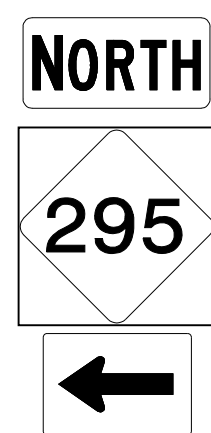
510 QUANTITY REQ'D 1



M4-5
1-24" x 12"
 M1-5
1-24" x 24"
 M6-1
1-21" x 15"

ONE "U" POST PER SIGN ASSEMBLY

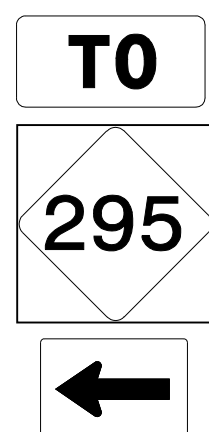
505 QUANTITY REQ'D 1



M3-1
1-24" x 12"
 M1-5
1-24" x 24"
 M6-1
1-21" x 15"

ONE "U" POST PER SIGN ASSEMBLY

511 QUANTITY REQ'D 1





M4-5
1-24" x 12"
 M1-5
1-24" x 24"
 M6-1
1-21" x 15"

ONE "U" POST PER SIGN ASSEMBLY



SIGNING PLANS
 TYPE "F" SIGNS

QUANTITY REQ'D: 1 NORTH, 1 SOUTH


18 x 54   18 x 54

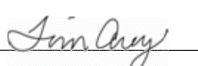
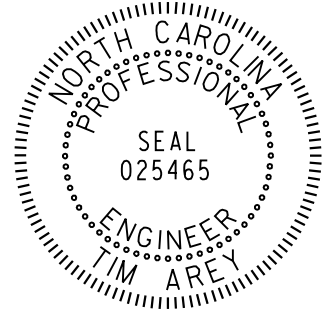
ONE "U" POST PER SIGN

QUANTITY REQ'D: 1 NORTH, 1 SOUTH

18 x 54   18 x 54

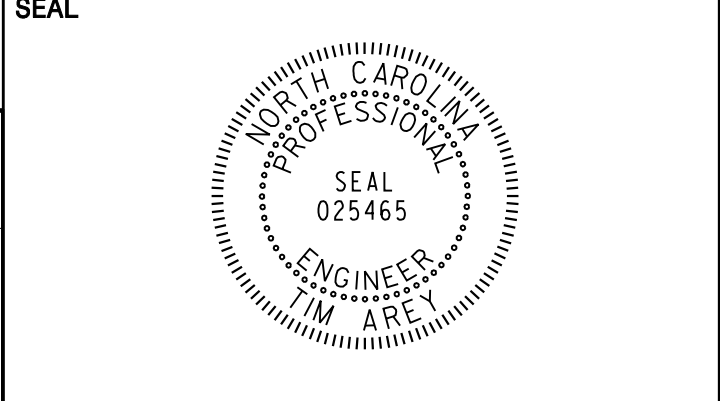
ONE "U" POST PER SIGN

PLAN PREPARED BY:
PROGRESSIVE
 DESIGN GROUP, INC.

 ENGINEERS • CONSULTANTS

TIP NO. U-2519BB	SHEET NO. SIGN-3C
APPROVED: 	
DATE: 6/7/2018	
SEAL	
	

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 UNLESS ALL SIGNATURES COMPLETED

SIGNING PLANS
MILEMARKERS



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 UNLESS ALL SIGNATURES COMPLETED

SIGN NUMBER: 1A, 3A, 5A BACKG COLOR: Green
 TYPE: B COPY COLOR: White
 QUANTITY: 3

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 9'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 23.8 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 3"

NO. Z BARS: 2 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 106.0

DESIGN BY: LA CHECKED BY: SK DATE: Mar 06, 2018
 PROJECT ID: U-2519BB DIV: 6

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter											Series/Size
											Text Length
E	X	I	T	1	2						E 2000
24.4	8.9	10.7	3.5	7.5	15	7.5	12.2	24.4			65.3

FILENAME: sign design_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 2A, 6A, 9A, 10A BACKG COLOR: Green
 TYPE: B COPY COLOR: White
 QUANTITY: 4

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 9'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 23.8 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 3"

NO. Z BARS: 2 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 106.0

DESIGN BY: LA CHECKED BY: SK DATE: Mar 06, 2018
 PROJECT ID: U-2519BB DIV: 6

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter											Series/Size
											Text Length
E	X	I	T	1	1						E 2000
28	8.9	10.7	3.5	7.5	15	7.9	4.5	28			58.1

FILENAME: sign design_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 1B BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
M1_4	69.7	101.5	45	36

SIGN WIDTH: 15'-6"
 HEIGHT: 13'-0"
 TOTAL AREA: 201.5 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"

NO. Z BARS: 4 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 178.0

DESIGN BY: LA CHECKED BY: SK DATE: Mar 06, 2018
 PROJECT ID: U-2519BB DIV: 6

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter														Series/Size
														Text Length
R	a	e	f	o	r	d								EM 2000
46.8	15.8	15.5	13.9	10.2	15.8	10.4	10.6	46.8						92.3
F	a	y	e	t	t	e	v	i	l	l	e			EM 2000
16.4	14.7	15.2	16.8	13.9	11.8	12	13.8	17	9.6	9.6	8.2	10.6	16.4	153.1
1		1/2	M	I	L	E	S							E 2000
46.4	4.5	7.5	22	15	12	4.4	9.2	8.9	8.1	48.1				91.6

FILENAME: sign design_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 2B BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type A	302.8	19.1	22.4	35.3

SIGN WIDTH: 29'-0"
 HEIGHT: 5'-6"
 TOTAL AREA: 159.5 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 9"

NO. Z BARS: 2 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 340.0

DESIGN BY: LA CHECKED BY: SK DATE: Mar 06, 2018
 PROJECT ID: U-2519BB DIV: 6

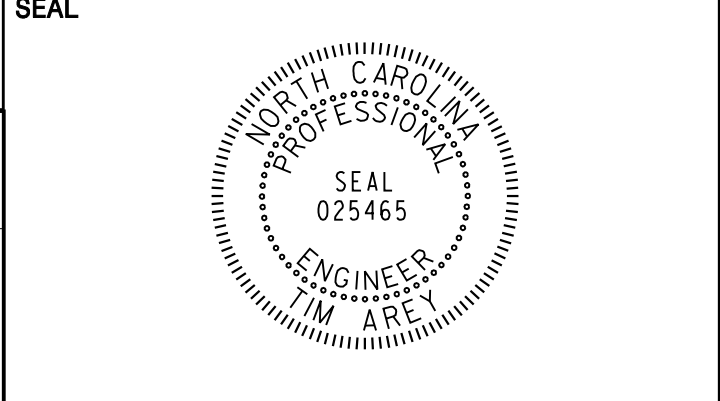
USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter																	Series/Size				
																	Text Length				
S	t	r	i	c	k	l	a	n	d	B	r	i	d	g	e	R	d	EM 2000			
17.4	16.3	13.4	11.8	8.2	15.5	15.5	8.2	17	15.5	10.6	16	17.4	11.8	8.2	15.5	10.6	16	15.8	10.6	61.2	269.4

FILENAME: sign design_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL



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SIGN NUMBER: 3B BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
M1_4	67.9	108	45	36
ARDOWN	74.4	8	32	22

SIGN WIDTH: 15'-6"
 HEIGHT: 13'-6"
 TOTAL AREA: 209.3 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"

NO. Z BARS: 4 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 178.0

DESIGN BY: LA CHECKED BY: SK DATE: Mar 06, 2018
 PROJECT ID: U-2519BB DIV: 6

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	92.3
EM 2000	153.1
E 2000	39.5
E 2000	47.8

FILENAME: sign design_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 5B BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
M1_4	67.9	108	45	36
AR_Type A	74.8	5	22.6	35.6

SIGN WIDTH: 15'-6"
 HEIGHT: 13'-6"
 TOTAL AREA: 209.3 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"

NO. Z BARS: 4 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 178.0

DESIGN BY: LA CHECKED BY: SK DATE: Mar 06, 2018
 PROJECT ID: U-2519BB DIV: 6

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	92.3
EM 2000	153.1
E 2000	39.5
E 2000	47.8

FILENAME: sign design_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 4 BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
NC243A	27	16.9	36	36

SIGN WIDTH: 7'-6"
 HEIGHT: 8'-0"
 TOTAL AREA: 60.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"

NO. Z BARS: 3 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 82.0

DESIGN BY: LA CHECKED BY: SK DATE: Mar 06, 2018
 PROJECT ID: U-2519BB DIV: 6

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	59.1

FILENAME: sign design_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 6 BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
M1_4	45.1	81	45	36
ARDOWN	17	12.9	32.1	22
ARDOWN	161	12.9	32.1	22

SIGN WIDTH: 17'-6"
 HEIGHT: 11'-0"
 TOTAL AREA: 192.5 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"

NO. Z BARS: 3 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 202.0

DESIGN BY: LA CHECKED BY: SK DATE: Mar 06, 2018
 PROJECT ID: U-2519BB DIV: 6

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	59.8
EM 2000	92.3

FILENAME: sign design_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

APPROVED: *Ann Gray*
 DATE: 6/7/2018



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SIGN NUMBER: 11	BACKG COLOR: Green	DESIGN BY: LA	CHECKED BY: SK	DATE: Mar 06, 2018
TYPE: A	COPY COLOR: White	PROJECT ID: U-2519BB	DIV: 6	
QUANTITY: 1				
SIGN WIDTH: 15'-0"				
HEIGHT: 8'-0"				
TOTAL AREA: 120.0 Sq.Ft.				
BORDER TYPE: FLUSH				
RECESS: 0"				
WIDTH: 2"				
RADII: 12"				
NO. Z BARS: 3	MAT'L: 0.125" (3.2 mm) ALUMINUM			
LENGTH: 172.0				

SYMBOL	X	Y	WID	HT
AR_Type A	139	35.5	22.4	35.3
NC243A	25.1	18.2	36	36
M1_1	87.9	18.2	36	36

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

S	O	U	T	H	Series/Size			
13.2	12.2	2.3	12.8	11.8	11	9.7	107	E 2000
								59.8
								E 2000
								20.8

FILENAME: sign design_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 12	BACKG COLOR: Green	DESIGN BY: LA	CHECKED BY: SK	DATE: Mar 06, 2018
TYPE: A	COPY COLOR: White	PROJECT ID: U-2519BB	DIV: 6	
QUANTITY: 1				
SIGN WIDTH: 17'-6"				
HEIGHT: 11'-6"				
TOTAL AREA: 201.3 Sq.Ft.				
BORDER TYPE: FLUSH				
RECESS: 0"				
WIDTH: 2"				
RADII: 12"				
NO. Z BARS: 3	MAT'L: 0.125" (3.2 mm) ALUMINUM			
LENGTH: 202.0				

SYMBOL	X	Y	WID	HT
NC243A	56.1	60.5	36	36
M1_1	129.8	60.5	36	36
AR90L1	16.3	14	33.3	33.3
AR90L1	160.4	14	33.3	33.3

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

S	O	U	T	H	Series/Size			
44.2	12.2	2.3	12.8	11.8	11	9.7	106	E 2000
								59.8
								E 2000
								20.8

FILENAME: sign design_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL



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 UNLESS ALL SIGNATURES COMPLETED

SIGN NUMBER: 101 BACKG COLOR: Blue
 TYPE: A COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type A	18.5	8.3	18.3	29.3

SIGN WIDTH: 10'-0"
 HEIGHT: 6'-0"
 TOTAL AREA: 60.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"

NO. Z BARS: 2 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 112.0

DESIGN BY: LA CHECKED BY: SK DATE: Mar 06, 2018
 PROJECT ID: U-2519BB DIV: 6

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	H	O	S	P	I	T	A	L		Series/Size	
	17	12.5	12.1	12.1	11.8	4.2	10	14.3	9	17	E 2000
											85.9
											E 2000
	27.4	8.9	10.7	3.5	7.5	15	7.5	12.2	27.4		65.3

FILENAME: sign design_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 202 BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type A	18.5	8.3	18.3	29.3

SIGN WIDTH: 5'-0"
 HEIGHT: 7'-6"
 TOTAL AREA: 37.5 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 8"

NO. Z BARS: 3 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 52.0

DESIGN BY: LA CHECKED BY: SK DATE: Mar 06, 2018
 PROJECT ID: U-2519BB DIV: 6

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T		Series/Size	
	7.8	12.8	15.8	6.8	9	7.8	E 2000
							44.4
							E 2000
	18.2	9	14.6	18.2			23.6

FILENAME: sign design_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 201, 203 BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 2

SYMBOL	X	Y	WID	HT
AR_Type A	49	6	18.3	29.3

SIGN WIDTH: 6'-6"
 HEIGHT: 5'-0"
 TOTAL AREA: 32.5 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 8"

NO. Z BARS: 2 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 70.0

DESIGN BY: LA CHECKED BY: SK DATE: Mar 06, 2018
 PROJECT ID: U-2519BB DIV: 6

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T		Series/Size	
	16.8	12.8	15.8	6.8	9	16.8	E 2000
							44.4
							E 2000
	17	9.5	5.4	46.1			14.9

FILENAME: sign design_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 204 BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type A	24.5	6	18.3	29.3

SIGN WIDTH: 6'-0"
 HEIGHT: 5'-0"
 TOTAL AREA: 30.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 8"

NO. Z BARS: 2 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 64.0

DESIGN BY: LA CHECKED BY: SK DATE: Mar 06, 2018
 PROJECT ID: U-2519BB DIV: 6

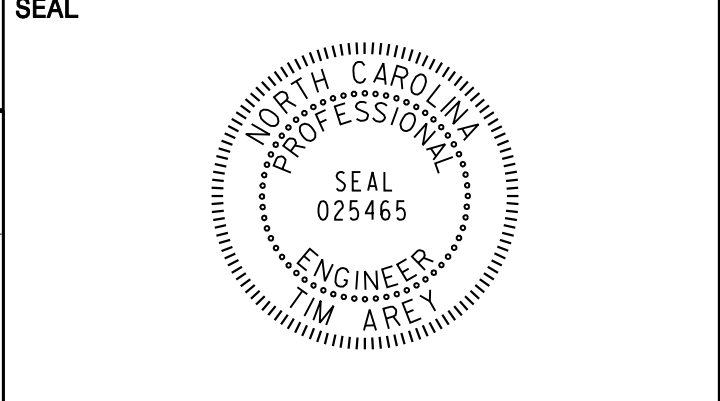
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T		Series/Size	
	13.8	12.8	15.8	6.8	9	13.8	E 2000
							44.4

FILENAME: sign design_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL



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 UNLESS ALL SIGNATURES COMPLETED

SIGN NUMBER: 301, 302 BACKG COLOR: Green DESIGN BY: LA CHECKED BY: SK DATE: Mar 06, 2018
 TYPE: D COPY COLOR: White PROJECT ID: U-2519BB DIV: 6

QUANTITY: 2

SYMBOL	X	Y	WID	HT
AR_Type D				

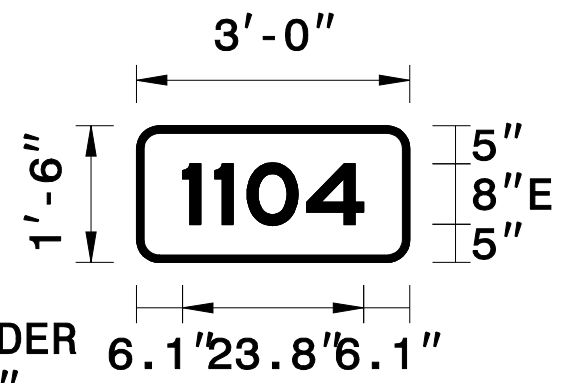
SIGN WIDTH: 3'-0"
 HEIGHT: 1'-6"
 TOTAL AREA: 4.5 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1"
 RADII: 3"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS:
 LENGTH:

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.



BORDER R=3" TH=1"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length					
	1	1	0	4		E 2000
	6.1	4.2	4.2	7.8	7.5	23.8

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 304 BACKG COLOR: Green DESIGN BY: LA CHECKED BY: SK DATE: Jan 08, 2018
 TYPE: D COPY COLOR: White PROJECT ID: U-2519BB DIV: 6

QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type D	6.8	7.5	6	9

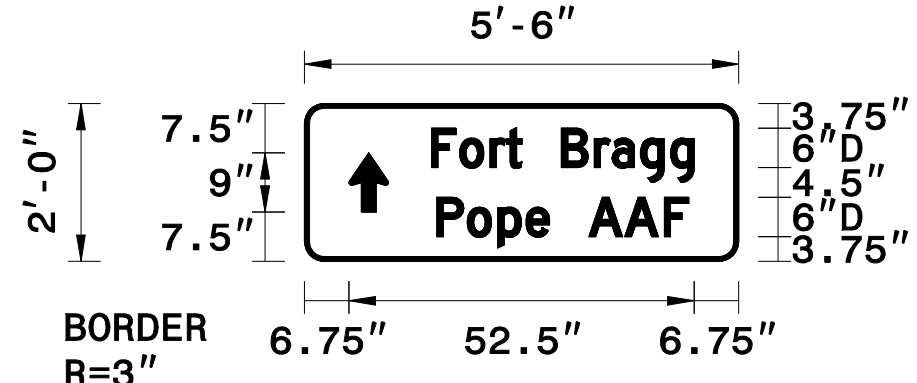
SIGN WIDTH: 5'-6"
 HEIGHT: 2'-0"
 TOTAL AREA: 11.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 3"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS:
 LENGTH:

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.



BORDER R=3" TH=0.75"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length											
	F	o	r	t	B	r	a	g	g			D 2000
	19.3	4.3	4.6	2.5	2.4	6	5	2.7	4.3	4.6	3.6	39.9
	P	o	p	e	A	A	F					D 2000
	20.1	4.6	4.6	4.3	3.5	6	5.5	6	3.7	7.6		38.3

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 303 BACKG COLOR: Blue DESIGN BY: LA CHECKED BY: SK DATE: Mar 30, 2018
 TYPE: D COPY COLOR: White PROJECT ID: U-2519BB DIV: 6

QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type D	7.8	8	8	12

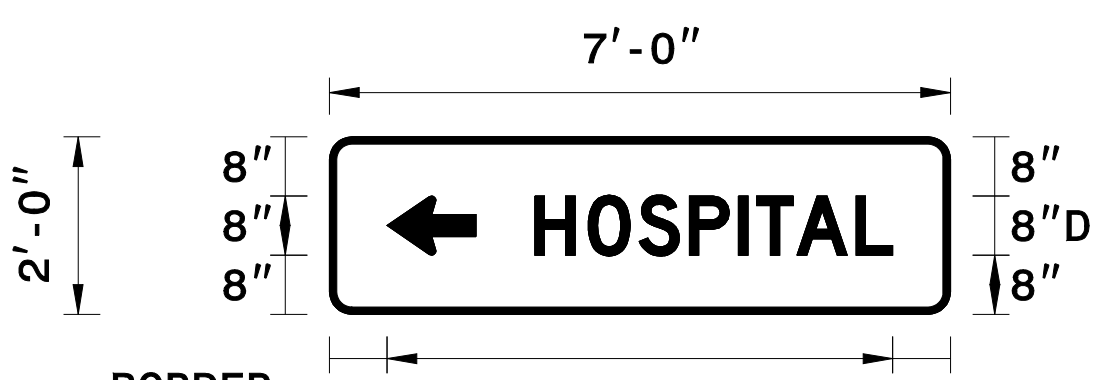
SIGN WIDTH: 7'-0"
 HEIGHT: 2'-0"
 TOTAL AREA: 14.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1"
 RADII: 3"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS:
 LENGTH:

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.



BORDER R=3" TH=1"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length										
	H	O	S	P	I	T	A	L			D 2000
	27.8	7.2	6.9	6.8	6.6	2.5	5.4	8	5	7.8	48.4

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 305 BACKG COLOR: Green DESIGN BY: LA CHECKED BY: SK DATE: Feb 09, 2018
 TYPE: D COPY COLOR: White PROJECT ID: U-2519BB DIV: 6

QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type D	7.6	9	6	9

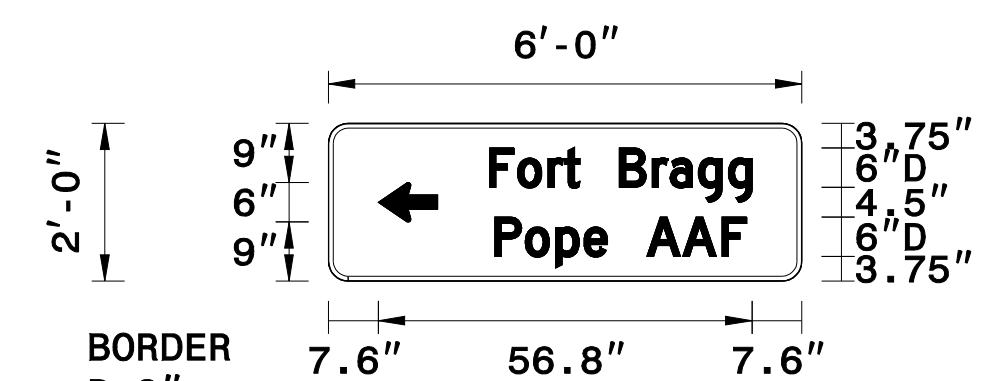
SIGN WIDTH: 6'-0"
 HEIGHT: 2'-0"
 TOTAL AREA: 12.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 3"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS:
 LENGTH:

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.



BORDER R=3" TH=0.75"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

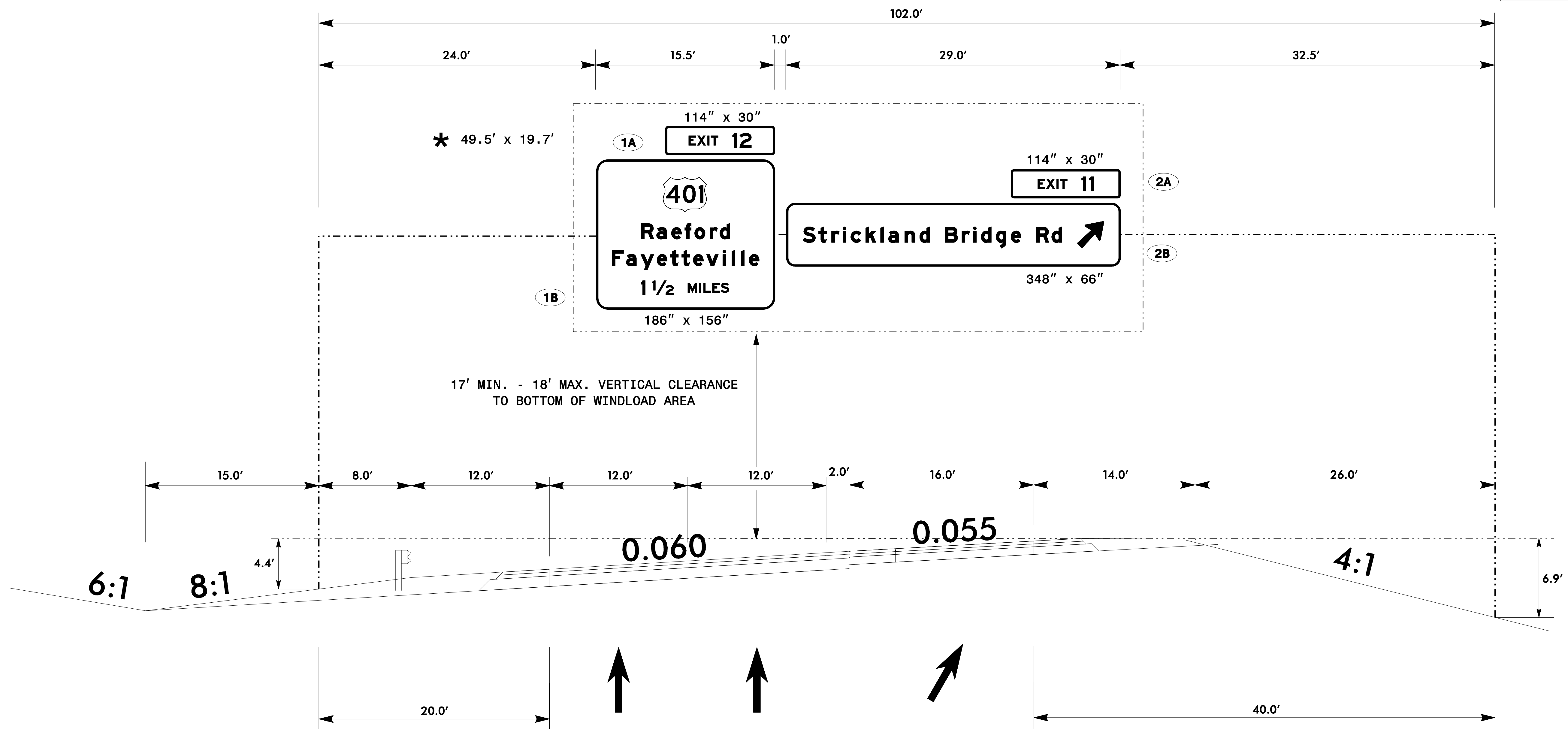
Letter spacings are to start of next letter

Series/Size	Text Length											
	F	o	r	t	B	r	a	g	g			D 2000
	24.5	4.3	4.6	2.5	2.4	6	5	2.7	4.3	4.6	3.6	39.9
	P	o	p	e	A	A	F					D 2000
	25.3	4.6	4.6	4.3	3.5	6	5.5	6	3.7	8.4		38.3

FILENAME: sign designs_FINAL NORTH CAROLINA D.O.T. SIGN DETAIL

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

* THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 110 M.P.H.



NOTES:

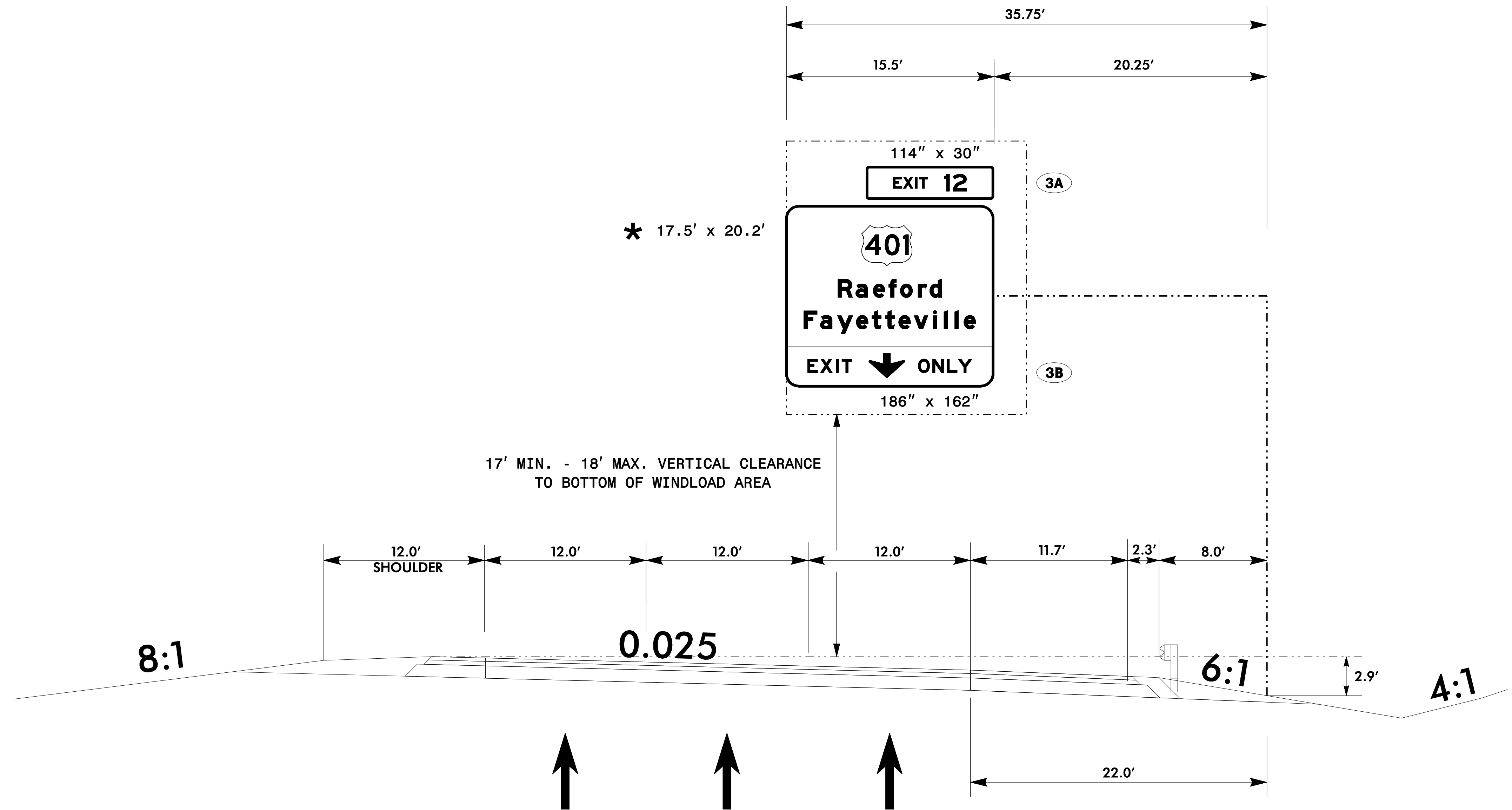
1. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
2. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
3. THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 6 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
4. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
5. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 110 M.P.H.

NC 295 NORTHBOUND

**PROPOSED OVERHEAD SIGN ASSEMBLY A
 STA. 531+20 -L-**

SIGNING PLANS

* THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 110 M.P.H.



NC 295 NORTHBOUND

**PROPOSED OVERHEAD SIGN ASSEMBLY B
 STA. 573+00 -L-**

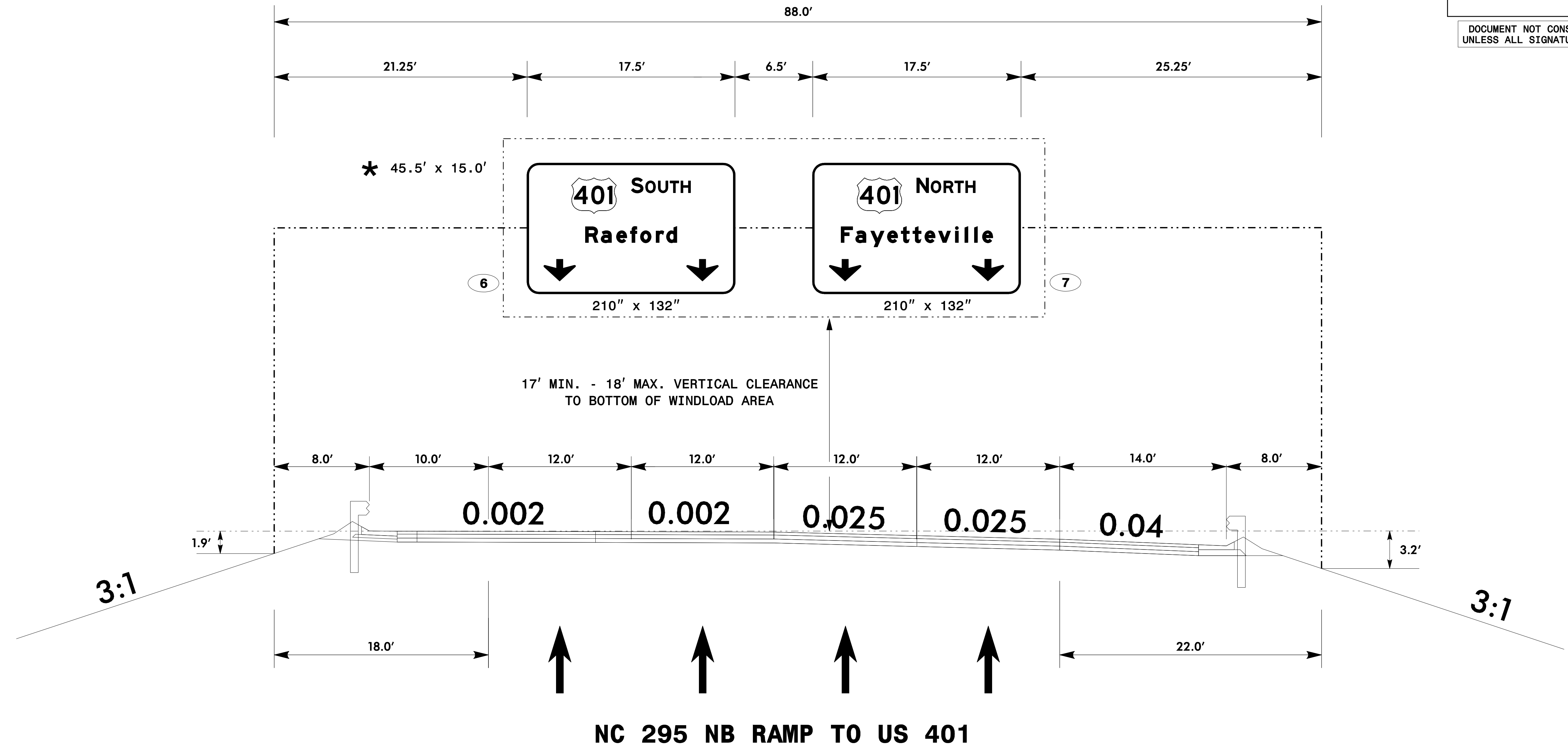
NOTES:

1. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
2. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
3. THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 6 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
4. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
5. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 110 M.P.H.

SIGNING PLANS

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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



NOTES:

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2. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
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4. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
5. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 110 M.P.H.

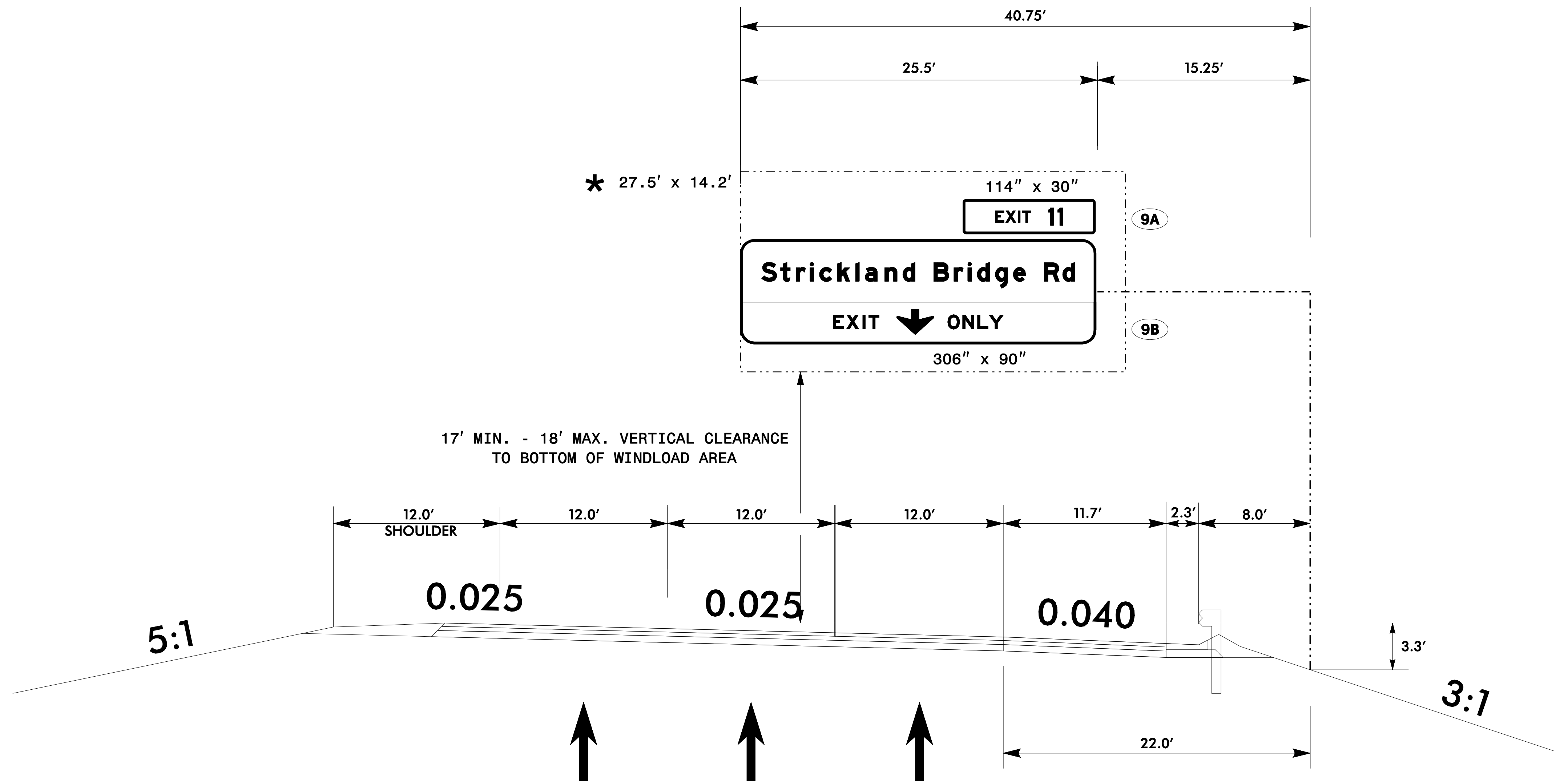
PROPOSED OVERHEAD SIGN ASSEMBLY C
 STA. 26+00 -Y1RPC- (CA)

SIGNING PLANS



DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

* THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 110 M.P.H.



NOTES:

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2. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
3. THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 6 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
4. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
5. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 110 M.P.H.

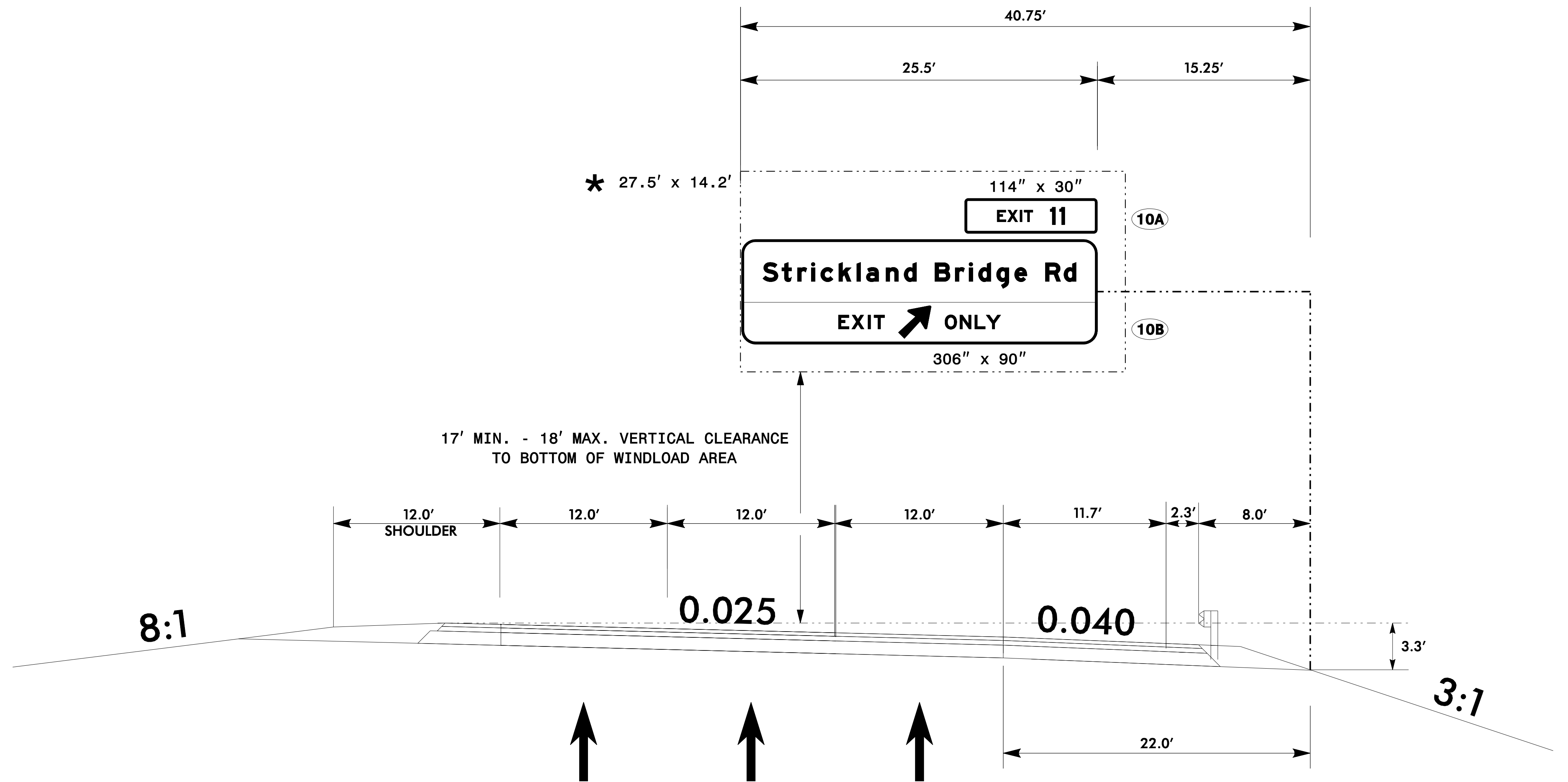
NC 295 SOUTHBOUND

PROPOSED OVERHEAD SIGN ASSEMBLY D
 STA. 598+00 -L-

SIGNING PLANS

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

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17' MIN. - 18' MAX. VERTICAL CLEARANCE TO BOTTOM OF WINDLOAD AREA

NOTES:

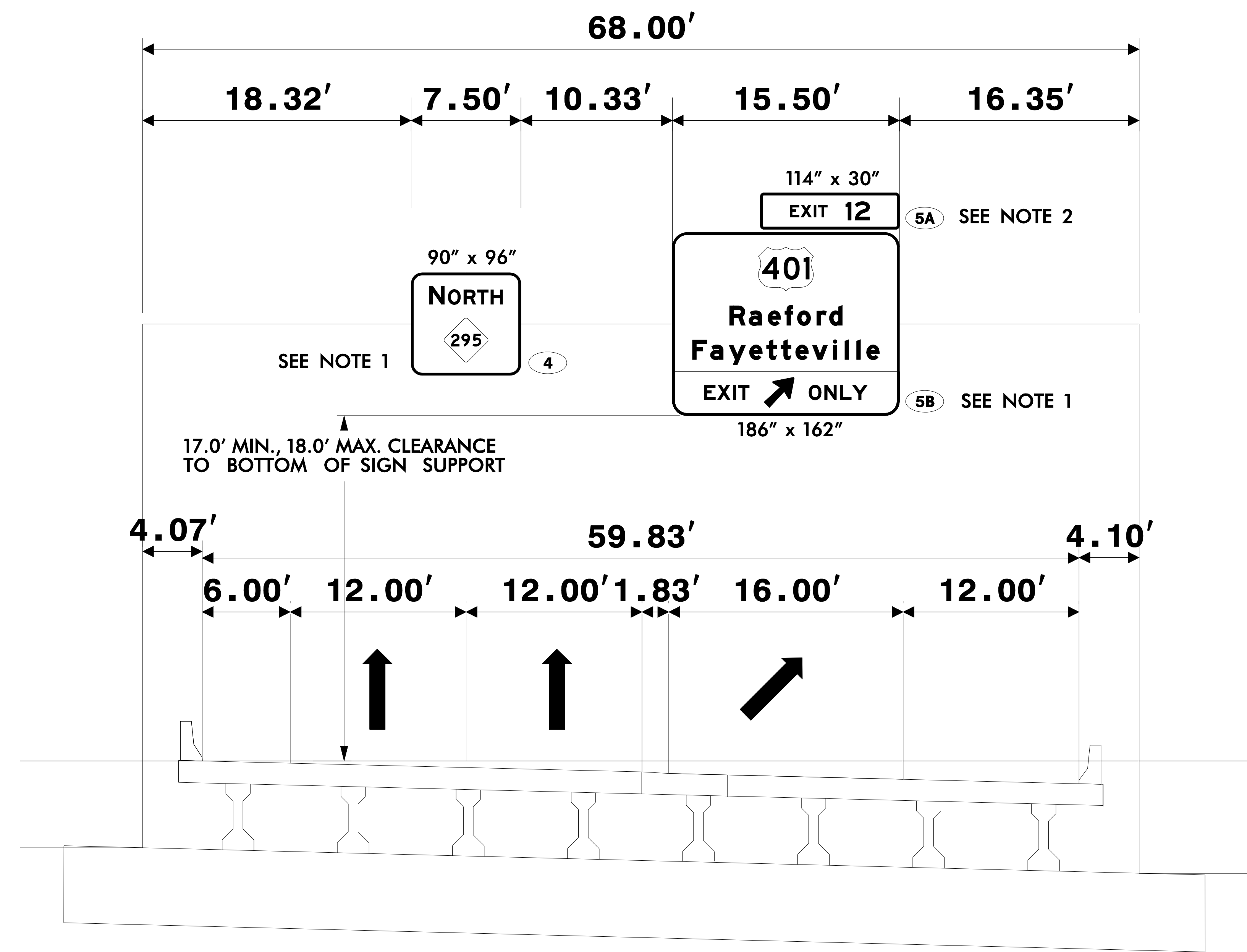
1. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
2. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
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4. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
5. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 110 M.P.H.

NC 295 SOUTHBOUND

**PROPOSED OVERHEAD SIGN ASSEMBLY E
 STA. 568+85 -L-**

SIGNING PLANS

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



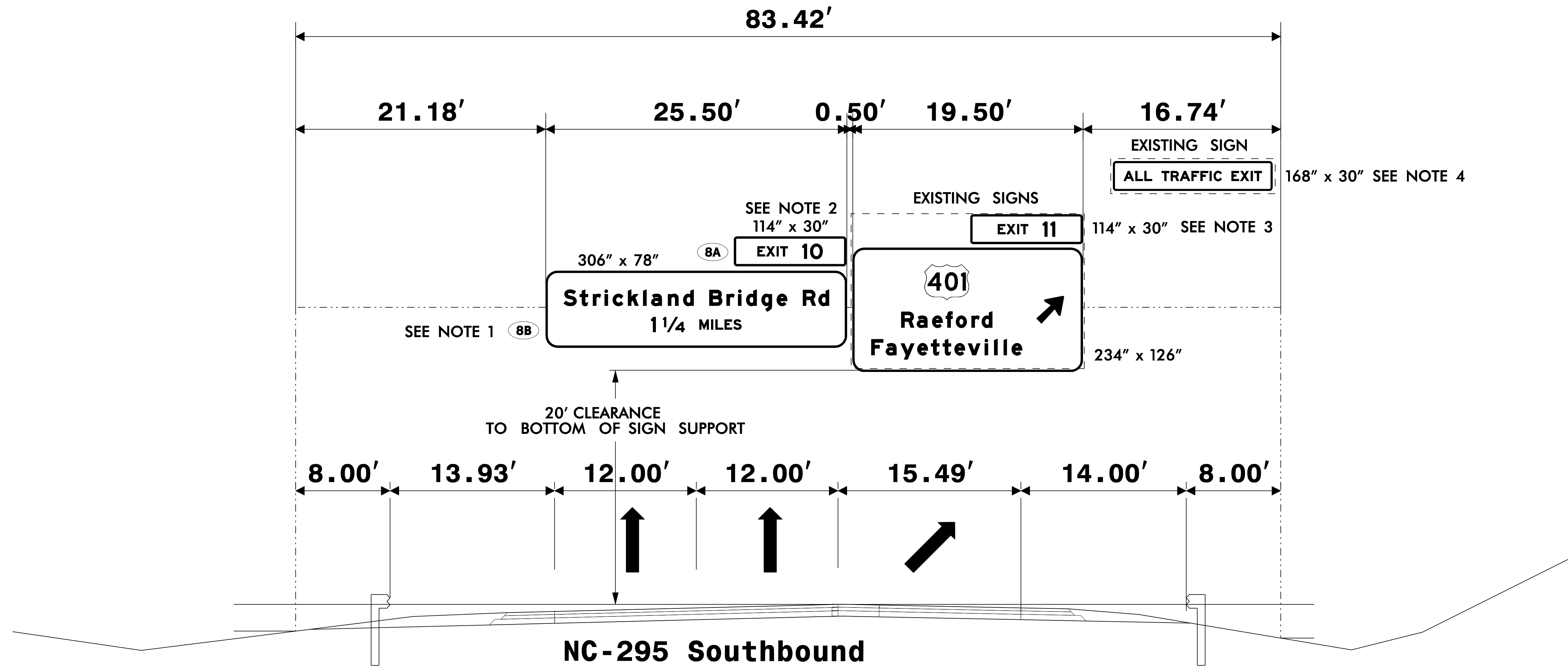
NC 295 Northbound

EXISTING OVERHEAD SIGN ASSEMBLY "AA"
 -L- STA 609+75

- NOTES:
- SIGN STRUCTURE DESIGNED AND INSTALLED ON TIP PROJECT U-2519CA_B-5516. DESIGNED BY HDR ENGINEERING, INC. OF THE CAROLINAS. DESIGN RECEIVED ON 2-2018.
 - MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

SIGNING PLANS

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

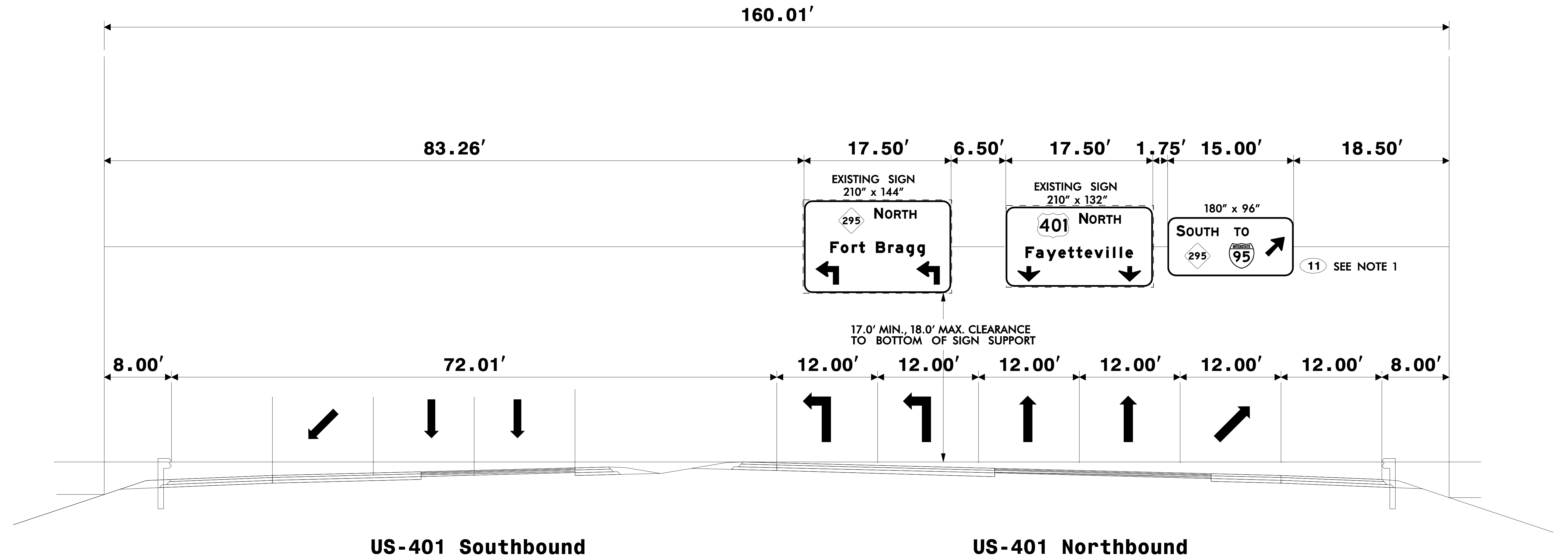


EXISTING OVERHEAD SIGN ASSEMBLY "BB"
 -L- STA 640+50

- NOTES:
- SIGN STRUCTURE DESIGNED AND INSTALLED ON TIP PROJECT U-2519CA_B-5516. DESIGNED BY HDR ENGINEERING, INC. OF THE CAROLINAS. DESIGN RECEIVED ON 2-2018.
 - MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

SIGNING PLANS

DOCUMENT NOT CONSIDERED FINAL
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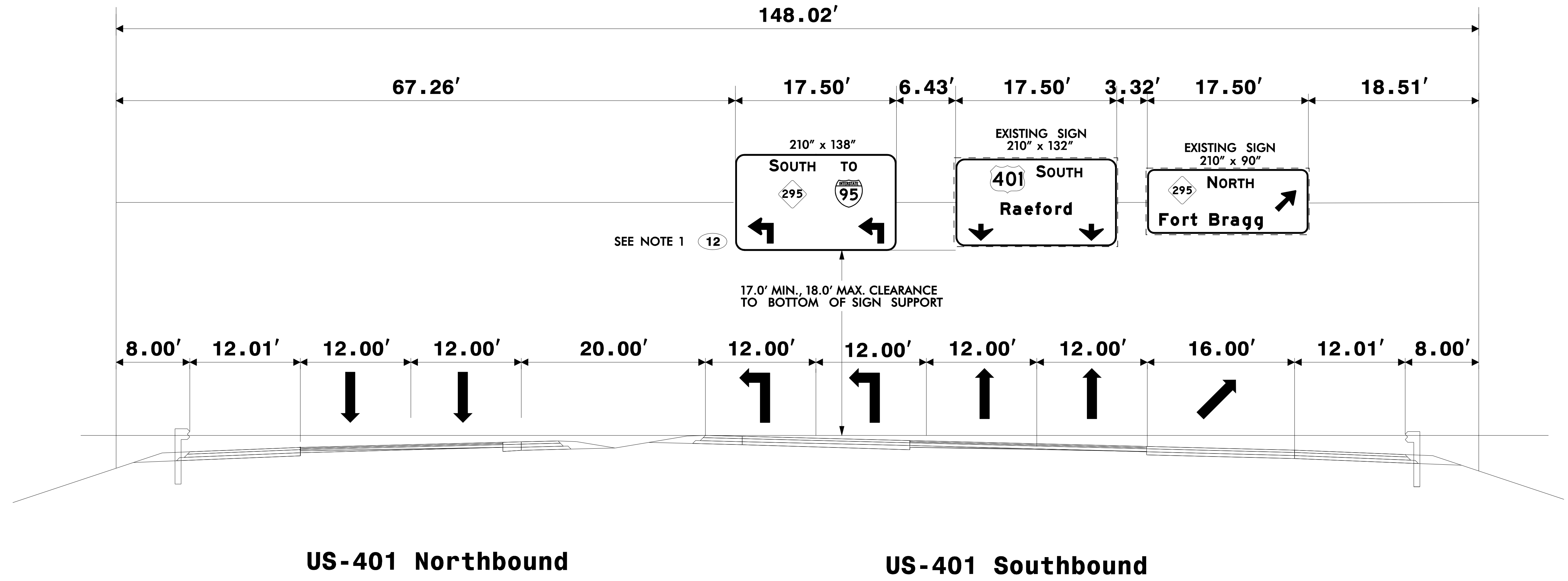
NOTES:

- SIGN STRUCTURE DESIGNED AND INSTALLED ON TIP PROJECT U-2519CA_B-5516. DESIGNED BY HDR ENGINEERING, INC. OF THE CAROLINAS. DESIGN RECEIVED ON 2-2018.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

EXISTING OVERHEAD SIGN ASSEMBLY "CC"
 -Y1- STA 24+50

SIGNING PLANS

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



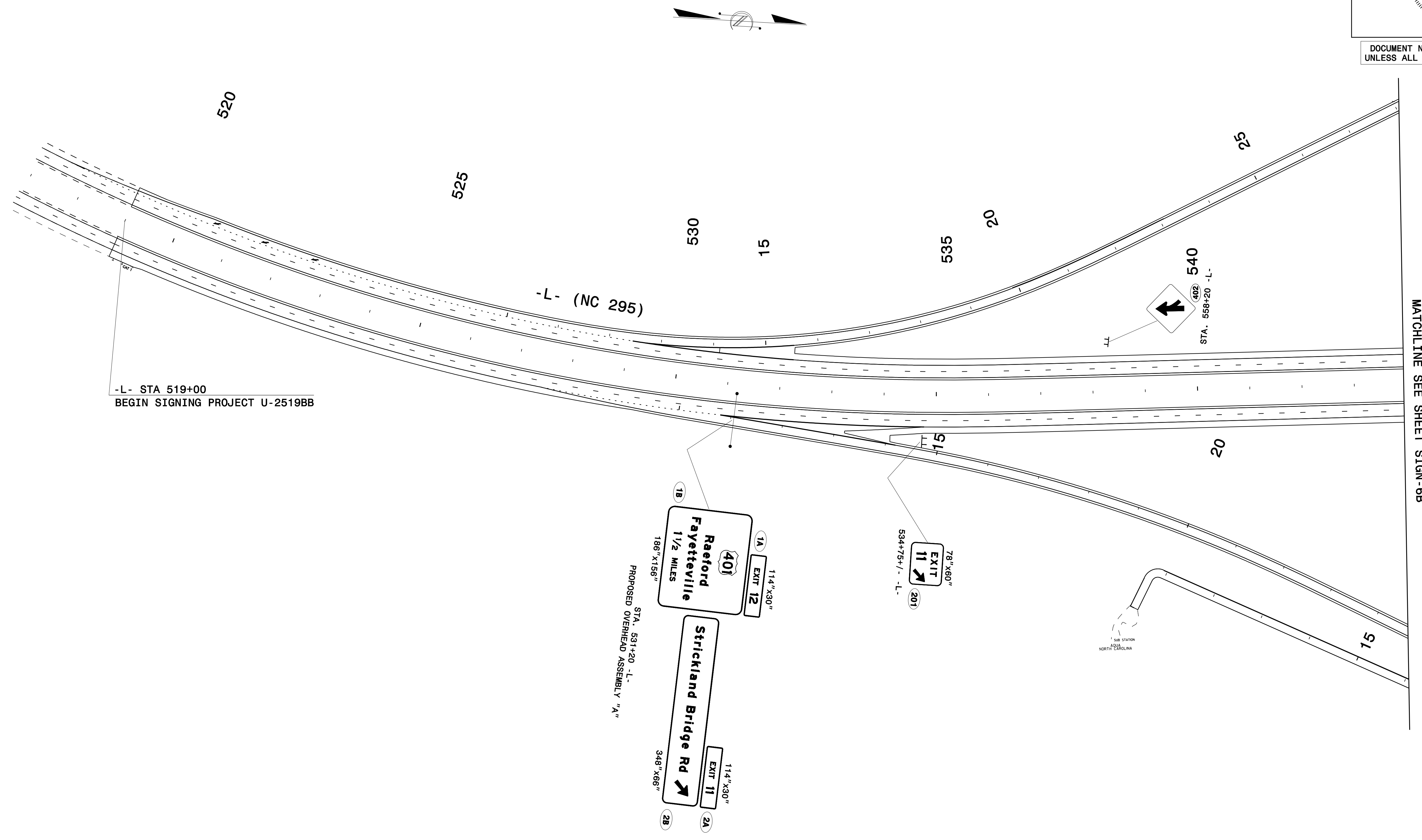
EXISTING OVERHEAD SIGN ASSEMBLY "DD"
 -Y1- STA 32 + 50

NOTES:

- SIGN STRUCTURE DESIGNED AND INSTALLED ON TIP PROJECT U-2519CA_B-5516. DESIGNED BY HDR ENGINEERING, INC. OF THE CAROLINAS. DESIGN RECEIVED ON 2-2018.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

SIGNING PLANS

DOCUMENT NOT CONSIDERED FINAL
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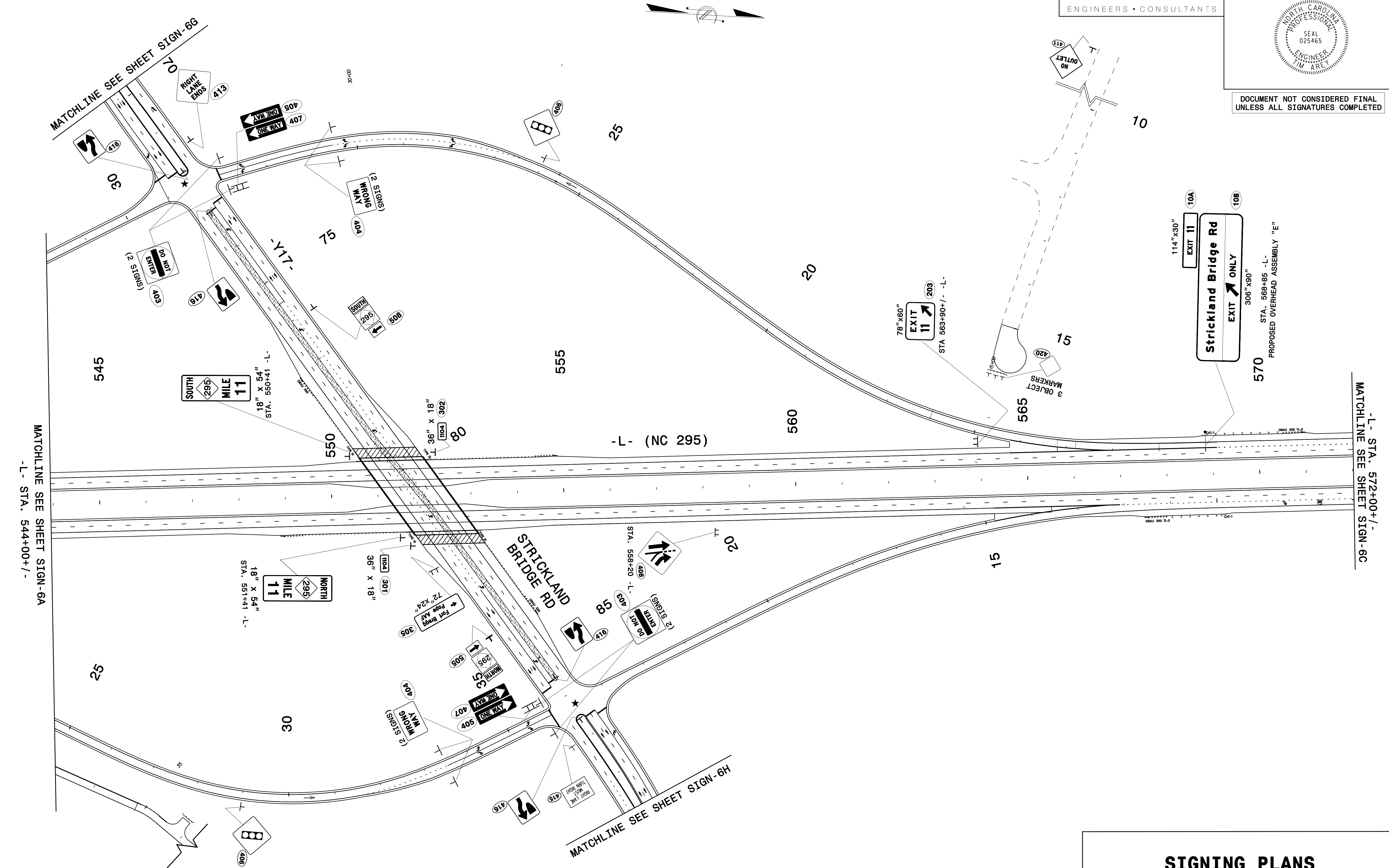


-L- STA 519+00
 BEGIN SIGNING PROJECT U-2519BB

-L- STA. 544+00+/-
 MATCHLINE SEE SHEET SIGN-6B

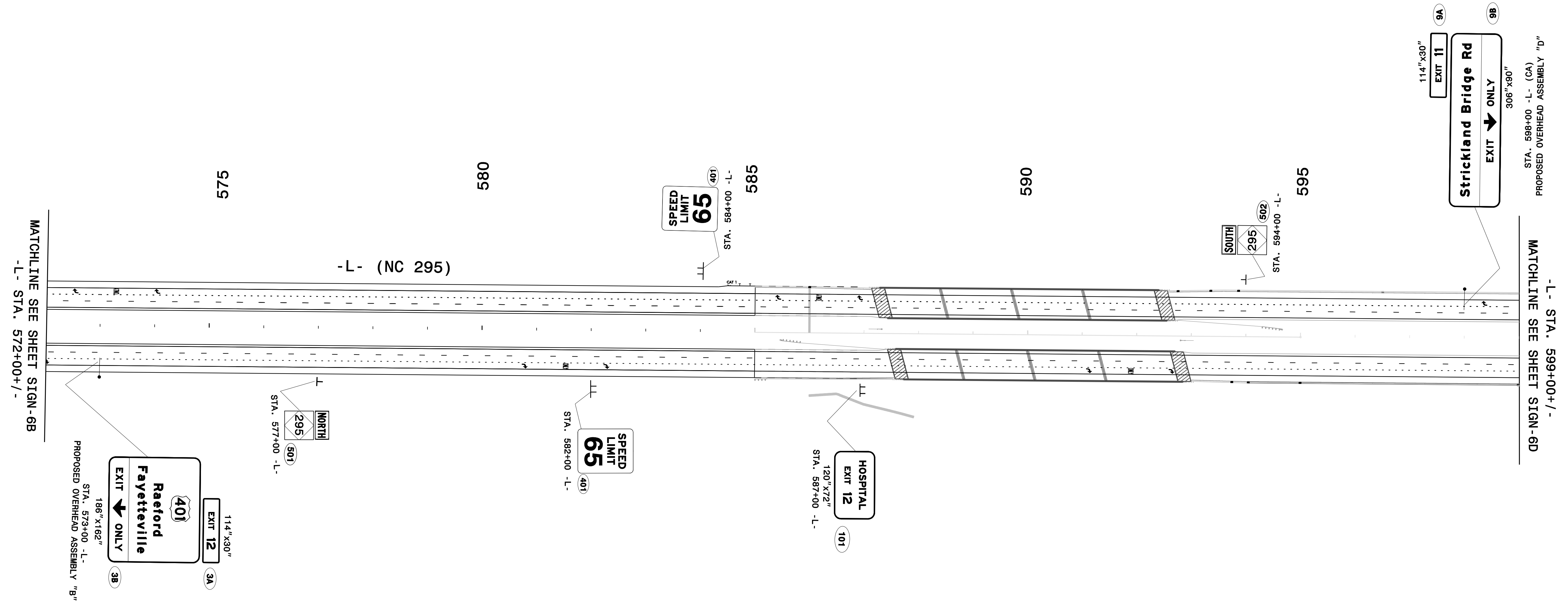
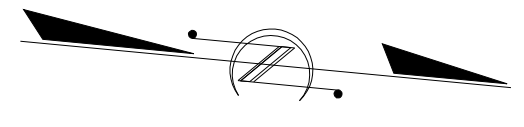
SIGNING PLANS

DOCUMENT NOT CONSIDERED FINAL
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 UNLESS ALL SIGNATURES COMPLETED



SIGNING PLANS