

04/18/22
p:\cdm\smith-az02-pw\Bentley.com\PL\N\Documents\117240\258788\10 Transportation\04 Client Folder Structure\I-5987B\Traffic\Signing\CA00\I-5987B_sign_01.dgn
User: PERSIANI, Kit

T.I.P.: I-5987B

CONTRACT: C204728

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN

ROBESON COUNTY

LOCATION: I-95 IMPROVEMENTS FROM NORTH OF SR 1758 (McDUFFIE CROSSING RD.) TO NORTH OF SR 1723 (PARKTON TOBEMORY RD.)

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
901.20	TYPE 'B' SIGNS
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
903.30	BARRIER SIGN SUPPORT ASSEMBLY
903.40	MEDIAN BARRIER SIGN SUPPORT AND ANCHORAGE
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.30	SUPPLEMENTAL SIGN MOUNTING
904.40	MILEPOST AND PLACEMENT
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	12	C.Y.
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	4	C.Y.
4057000000	SP	OVERHEAD FOOTING	295	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	14,328	LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	2,130	L.F.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ STA. 495+20 RT -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ STA. 548+00 RT -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ STA. 579+50 RT -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ STA. 600+80 RT -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ STA. 631+95 LT -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ STA. 645+00 RT -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ STA. 658+35 LT -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ STA. 659+90 RT -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ STA. 676+00 LT -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ STA. 686+30 RT -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ STA. 719+85 LT -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ STA. 746+25 LT -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ STA. 772+65 LT -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ STA. 825+45 LT -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ STA. 830+50 RT -L-	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ STA. 881+85 RT -L-	1	L.S.
4096000000	904	SIGN ERECTION, TYPE D	4	EA.
4102000000	904	SIGN ERECTION, TYPE E	98	EA.
4108000000	904	SIGN ERECTION, TYPE F	18	EA.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)	17	EA.
4109000000	904	SIGN ERECTION, TYPE B (OVERHEAD)	17	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	10	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	2	EA.
4114000000	904	SIGN ERECTION, MILEMARKERS	18	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE A (GROUND MOUNTED)	16	EA.
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	30	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	121	EA.

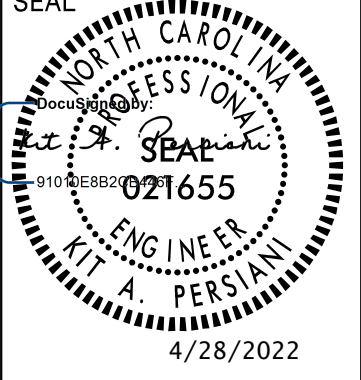
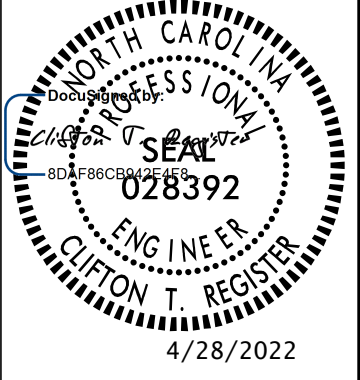
SEE NCDOT 2018 SPECIFICATIONS AND SPECIAL PROVISIONS FOR OVERHEAD FOOTING SP09-R007

PROJECT NOTES

- DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- RELOCATE SIGN ON NEW SUPPORTS, TYPE A (GROUND MOUNTED)
- RELOCATE SIGN ON NEW SUPPORTS, TYPE D

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	SUPPORT CHART SHEET
SIGN-3-3A	E AND F SIGN DETAILS
SIGN-4-4X	SIGN DESIGNS AND OVERHEAD DETAILS
SIGN-5-28	SIGNING PLAN SHEETS

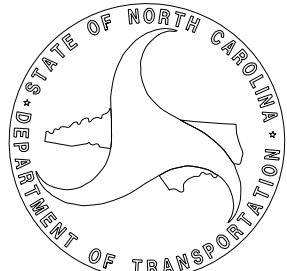
PROJECT REFERENCE NO. I - 5987B		SHEET NO. SIGN - 1
APPROVED: _____		
DATE: _____		
SEAL 	SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
 CDM Smith Inc. 5400 Glenwood Avenue Suite 400 Raleigh, NC 27612-3228 NC CDA No. F-1255	 TGS ENGINEERS 706 HILLSBOROUGH ST (SUITE 200) RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	

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
- ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- 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.

PLAN SUBMITTED TO:

Ayman Alqudwah, P.E. Signing and Delineation Regional Engineer
Matthew Tracey, P.E. Design Engineer III



PLAN PREPARED BY: CDM Smith Inc. and TGS Engineers

Kit A. Persiani, P.E. Project Manager
Clifton T. Register, P.E. Project Engineer

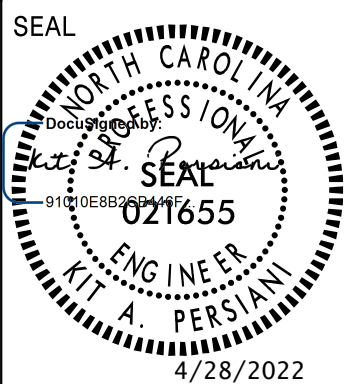
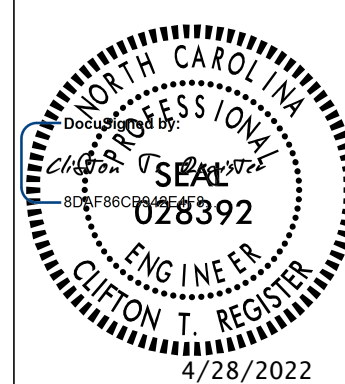
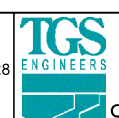


CDM Smith Inc.
5400 Glenwood Avenue
Suite 400
Raleigh, NC 27612-3228
NC CDA No. F-1255



TGS ENGINEERS
706 HILLSBOROUGH ST
(SUITE 200)
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

03/29/22
02:\cdsmith-az02-pw.bentley.com\PW_PL\Documents\117240\258788\10 Transportation\04 Client Folder Structure\1-59878_Sign_03_TypeE_Combined
User: PERSIANIK

						PROJECT REFERENCE NO. I - 5987B		SHEET NO. SIGN - 03	
						APPROVED: _____			
						DATE: _____			
						SEAL 			
						DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
						 CDM Smith Inc. 5400 Glenwood Avenue Suite 200 Raleigh, NC 27612-3228 NC CDA No. F-1255		 TGS ENGINEERS 706 HILLSBOROUGH ST SUITE 200 RALEIGH, NC 27603 PH 919 773-8887 CORP. LICENSE NO.: C-0275	
401 QUANTITY REQ'D .5 SPEED LIMIT 70 48" X 60" R2-1 TWO "U" POSTS PER SIGN	406 QUANTITY REQ'D .6 48" X 48" W4-1 (R) TWO "U" POSTS PER SIGN	411 QUANTITY REQ'D .1 30" X 30" W1-2R ONE "U" POST PER SIGN	416 QUANTITY REQ'D .2 48" X 48" W2-2 ONE "U" POST PER SIGN			QUANTITY REQ'D .2 MILE 31 12" X 48" D10-2 ONE "U" POST PER SIGN			
402 QUANTITY REQ'D .4 30" X 30" W2-6 ONE "U" POST PER SIGN	407 QUANTITY REQ'D .2 SPEED LIMIT 45 30" X 36" R2-1 ONE "U" POST PER SIGN	412 QUANTITY REQ'D .1 35 M.P.H. 24" X 24" W13-1 MOUNT BELOW SIGN .411 IN 1 INSTALLATION	417 QUANTITY REQ'D .2 30" X 30" R3-8 ONE "U" POST PER SIGN			QUANTITY REQ'D .2 MILE 32 12" X 48" D10-2 ONE "U" POST PER SIGN			
403 QUANTITY REQ'D .24 36" X 36" X 36" R1-2 ONE "U" POST PER SIGN MOUNT ON BACK OF SIGN .404 IN 4 INSTALLATIONS	408 QUANTITY REQ'D .10 30" X 24" R6-4 ONE "U" POST PER SIGN	413 QUANTITY REQ'D .2 36 X 36 W12-1 ONE "U" POST PER SIGN	418 QUANTITY REQ'D .2 30" X 30" R3-8 ONE "U" POST PER SIGN			QUANTITY REQ'D .2 MILE 33 12" X 48" D10-2 ONE "U" POST PER SIGN			
404 QUANTITY REQ'D .11 36" X 36" R5-1 ONE "U" POST PER SIGN MOUNT ON BACK OF SIGN .403 IN 4 INSTALLATIONS	409 QUANTITY REQ'D .6 36" X 36" R1-1 ONE "U" POST PER SIGN	414 QUANTITY REQ'D .2 24 X 30 R4-7 ONE "U" POST PER SIGN	419 QUANTITY REQ'D .2 30" X 30" R3-8 ONE "U" POST PER SIGN	QUANTITY REQ'D .2 MILE 29 12" X 48" D10-2 ONE "U" POST PER SIGN		QUANTITY REQ'D .2 MILE 34 12" X 48" D10-2 ONE "U" POST PER SIGN			
405 QUANTITY REQ'D .8 36" X 24" R5-1a ONE "U" POST PER SIGN	410 QUANTITY REQ'D .1 SPEED LIMIT 55 30" X 36" R2-1 ONE "U" POST PER SIGN	415 QUANTITY REQ'D .1 SPEED LIMIT 35 30" X 36" R2-1 ONE "U" POST PER SIGN	420 QUANTITY REQ'D .6 18" X 18" OM4-3 ONE "U" POST PER SIGN	QUANTITY REQ'D .2 MILE 30 12" X 48" D10-2 ONE "U" POST PER SIGN					
						TYPE "E" AND MILEMARKER SIGNS			

TYPE "F" SIGNS

SIGN NUMBER: 18	BACKG COLOR: Green	DESIGN BY: KAP	CHECKED BY: AMC	Mar 12, 2022
TYPE: A	COPY COLOR: White	PROJECT ID: I-59878	LOCATION:	DIV: 6

QUANTITY: 1	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr> <td>NC362</td> <td>57</td> <td>99.6</td> <td>36</td> <td>36</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>	SYMBOL	X	Y	WID	HT	NC362	57	99.6	36	36																															SIGN WIDTH: 12'-6"	HEIGHT: 13'-0"	TOTAL AREA: 162.5 Sq.Ft.
SYMBOL	X	Y	WID	HT																																								
NC362	57	99.6	36	36																																								
BORDER TYPE: FLUSH	RECESS: 0"	WIDTH: 2"	RADII: 12"	MATERIAL: 0.125" (3.2 mm) ALUMINUM																																								
NO. Z BARS: 4	LENGTH: 142.0																																											

USE NOTES:

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

BORDER R=12" TH=2" Spacing Factor is 1 unless specified otherwise

Letter positions															Series/Size
Letter spacings are to start of next letter															Text Length
S	t	P	q	u	i	s									EM 2000
20.8	16.3	8.3	16	15.4	17	17	7.8	10.6	20.8						108.3
R	o	e	f	q	r	d									EM 2000
28.8	15.8	15.5	13.9	10.2	15.8	10.4	10.6	28.8						92.3	
2	M	L	E	S									E 2000		
42.6	12.1	10	12	4.4	9.2	8.9	8.1	42.6						64.8	

FILENAME: I-59878_Sign_SGN_Design

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 38,78 TYPE: A QUANTITY: 2 SIGN WIDTH: 12'-6" HEIGHT: 13'-0" TOTAL AREA: 162.5 Sq.Ft. BORDER TYPE: FLUSH NECESS: 0" WIDTH: 2" RADII: 12" NO. Z BARS: 4 LENGTH: 142.0	BACKG. COLOR: Green COPY COLOR: White DESIGN BY: KAP PROJECT ID: I-5987B	CHECKED BY: ANC LOCATION: 																																																																																																																
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 with Grade A reflective sheeting and mountable.																																																																																																																		
LETTER POSITIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="15">Letter spacings are to start of next letter</th> <th>Series/Size Text Length</th> </tr> </thead> <tbody> <tr> <td>S</td><td>t</td><td>P</td><td>a</td><td>u</td><td>i</td><td>s</td><td colspan="8"></td> <td>EM 2000 108.3</td> </tr> <tr> <td>R</td><td>o</td><td>e</td><td>f</td><td>a</td><td>r</td><td>d</td><td colspan="8"></td> <td>EM 2000 92.3</td> </tr> <tr> <td>1/2</td><td>M</td><td>I</td><td>L</td><td>E</td><td colspan="10"></td> <td>E 2000 65.1</td> </tr> <tr> <td>20.8</td><td>16.3</td><td>8.3</td><td>16</td><td>15.4</td><td>17</td><td>17</td><td>7.8</td><td>10.6</td><td>20.8</td><td colspan="6"></td> <td></td> </tr> <tr> <td>28.8</td><td>15.8</td><td>15.5</td><td>13.9</td><td>10.2</td><td>15.8</td><td>10.4</td><td>10.6</td><td>28.8</td><td colspan="6"></td> <td></td> </tr> <tr> <td>42.5</td><td>22</td><td>10</td><td>12</td><td>4.4</td><td>9.2</td><td>7.5</td><td>42.5</td><td colspan="6"></td> <td></td> </tr> </tbody> </table>			Letter spacings are to start of next letter															Series/Size Text Length	S	t	P	a	u	i	s									EM 2000 108.3	R	o	e	f	a	r	d									EM 2000 92.3	1/2	M	I	L	E											E 2000 65.1	20.8	16.3	8.3	16	15.4	17	17	7.8	10.6	20.8								28.8	15.8	15.5	13.9	10.2	15.8	10.4	10.6	28.8								42.5	22	10	12	4.4	9.2	7.5	42.5							
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SIGN DESIGNS

[illegible][illegible]

SIGN DESIGNS

03/29/22
pw:\cdmsmith-az02-pw.bentley.com\PW_PL\Documents\117240\258788\10 Transportation\04 Client Folder- Structure\I-5987B\Traffic\Signing\CADD\I-5987B_sign_04.dgn
User:FPERSIANIK

TIP NO.
I - 5987B

SHEET NO.
SIGN - 4B

APPROVED:

DocuSigned by:
Kit A. Persiani
91010EB82CB46F...

DATE: 4/28/2022

SEAL



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

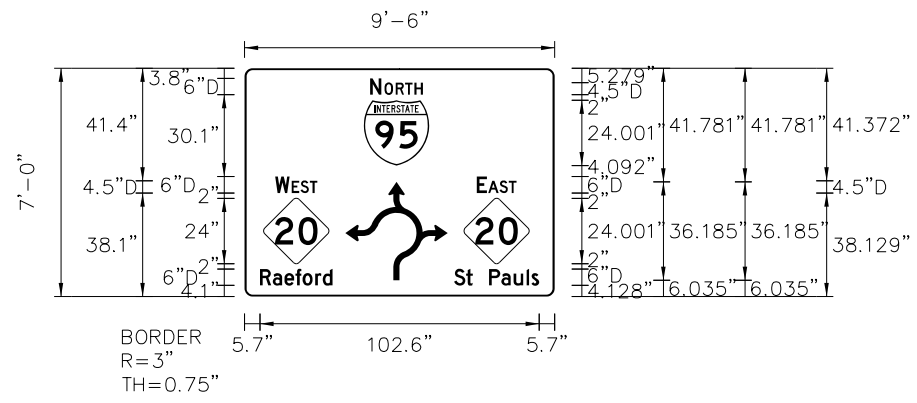
CDM Smith

CDM Smith Inc.
5400 Glenwood Avenue
Suite 400
Raleigh, NC 27612-3228
NC COA No. F-1255

SIGN NUMBER: 104
TYPE: A
QUANTITY: 1
SIGN WIDTH: 9'-6"
HEIGHT: 7'-0"
TOTAL AREA: 66.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 3"
NO. Z BARS: 2
LENGTH: 106.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOLX Y WID HT
M1_143.648.22424
NC242712.12424
NC24280.712.12424
AR237636.237.7
AR237636.237.7
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: KAP
PROJECT ID: I-5987B
CHECKED BY: AMC
LOCATION:
Mar 12, 2022
DIV: 6



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter																				Series/Size Text Length
		N			O	R	T	H												D 2000
	46.2	4.1	1.2	4.2	3.4	3.5	3.1	48.5												19.4
		W			E	S	T													D 2000
	11.3	5.3	0.7	3.2	3.4	2.8	87.2													15.5
		E			A	S	T													D 2000
	85.4	3.7	0.4	4.2	3.4	2.8	14													14.6
		R	a	e	f	o	r	d												D 2000
	5.7	4.7	4.3	4	2.6	4.6	2.8	3.6	81.7											26.6
		S	t		P	a	u	l	s											D 2000
	77	4.4	2.4	6	4.6	4.5	4.7	1.8	2.8	5.7										31.3

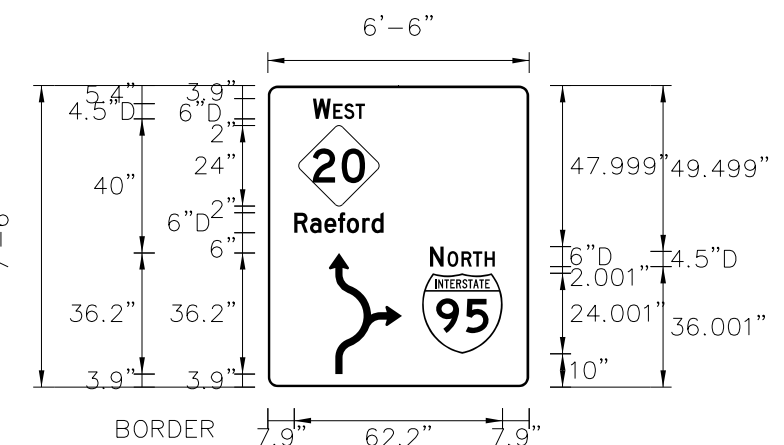
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NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 105
TYPE: A
QUANTITY: 1
SIGN WIDTH: 6'-6"
HEIGHT: 7'-6"
TOTAL AREA: 48.8 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 3"
NO. Z BARS: 3
LENGTH: 70.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOLX Y WID HT
NC2429.254.12424
M1_146.1102424
AR318.23.921.836.2
AR318.23.921.836.2
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: KAP
PROJECT ID: I-5987B
CHECKED BY: AMC
LOCATION:
Mar 13, 2022
DIV: 6



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter																				Series/Size Text Length
		W			E	S	T													D 2000
	13.5	5.3	0.7	3.2	3.4	2.8	49													15.5
		R	a	e	f	o	r	d												D 2000
	7.9	4.7	4.3	4	2.6	4.6	2.8	3.6	43.4											26.6
		N			O	R	T	H												D 2000
	48.4	4.1	1.2	4.2	3.4	3.5	3.1	10.2												19.4

FILENAME: I-5987B_Sgn_SGN_Design

NORTH CAROLINA D.O.T. SIGN DETAIL

[illegible]

SIGN NUMBER: 11B	BACKG COLOR: Green	DESIGN BY: VML	CHECKED BY: CTR	Jan 07, 2022
TYPE: A(OH)	COPY COLOR: White	PROJECT ID: I-5987B		DIV: 6

QUANTITY: 1	SYMBOL	X	Y	WID	HT
SIGN WIDTH: 17'-0"	M1_4	32	52.3	45	36
HEIGHT: 9'-0"	AR_Type A	151.1	39.1	24	37.8

TOTAL AREA: 153.0 Sq.Ft.

BORDER TYPE: FLUSH

RECESS: 0"

WIDTH: 2"

RADII: 12"

NO. Z BARS: 3

LENGTH: 196.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1, 2, 3

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 with Grade C reflective sheeting and demountable.

17'-0"

9'-0"

157.7"

39.2"

R=12"

TH=2"

Spacing Factor is 1 unless specified otherwise

SIGN DESIGNS

[illegible]

SIGN NUMBER: 201.02		BACKG COLOR: Green		DESIGN BY: VML		CHECKED BY: CTR		Mar 11, 2022																																									
TYPE: A		COPY COLOR: White		PROJECT ID: I-59878				DIV: 6																																									
QUANTITY: 2		<table><tr><td>SYMBOL</td><td>X</td><td>Y</td><td>WID</td><td>HT</td></tr><tr><td>AR_Type A</td><td>49.8</td><td>7</td><td>17.9</td><td>28.2</td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>		SYMBOL	X	Y	WID	HT	AR_Type A	49.8	7	17.9	28.2																																				
SYMBOL	X	Y	WID	HT																																													
AR_Type A	49.8	7	17.9	28.2																																													
SIGN WIDTH: 6'-6"																																																	
HEIGHT: 5'-0"																																																	
TOTAL AREA: 32.5 Sq.Ft.																																																	
BORDER TYPE: FLUSH																																																	
RECESS: 0"																																																	
WIDTH: 1.5"																																																	
RADIUS: 8"																																																	
NO. Z BARS: 2		MAT'L: 0.125" (3.2 mm) ALUMINUM																																															
LENGTH: 70.0																																																	
USE NOTES: 1,2,3																																																	
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 with Grade C reflective sheeting and demountable.																																																	
						Spacing Factor is 1.25 for the word "EXIT" Spacing Factor is 1 unless specified otherwise																																											
LETTER POSITIONS																																																	
Letter spacings are to start of next letter																																																	
<table><tr><td></td><td>E</td><td>X</td><td>I</td><td>T</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>16.8</td><td>12.8</td><td>15.8</td><td>6.8</td><td>9</td><td>16.8</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10.9</td><td>17.1</td><td>14.6</td><td>35.4</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>											E	X	I	T						16.8	12.8	15.8	6.8	9	16.8						3	3								10.9	17.1	14.6	35.4						
	E	X	I	T																																													
16.8	12.8	15.8	6.8	9	16.8																																												
	3	3																																															
10.9	17.1	14.6	35.4																																														
Series/Size Text Length																																																	
E 2000 44.4																																																	
E 2000 31.7																																																	
FILENAME: I59878b_sgn_seg2_sign_designs																																																	
NORTH CAROLINA D.O.T. SIGN DETAIL																																																	

SIGN DESIGNS

[illegible][illegible]

SIGN DESIGNS

SIGN NUMBER: 107	BACKG COLOR: Green	DESIGN BY: KAP	CHECKED BY: AMC	Mar 13, 2022
TYPE: A	COPY COLOR: White	PROJECT ID: I-5987B	LOCATION:	DIV: 6

QUANTITY: 1	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr> <td>M1_1</td> <td>46.2</td> <td>48.2</td> <td>24</td> <td>24</td> </tr> <tr> <td>NC242</td> <td>9.3</td> <td>12.1</td> <td>24</td> <td>24</td> </tr> <tr> <td>NC242</td> <td>83</td> <td>12.1</td> <td>24</td> <td>24</td> </tr> <tr> <td>AR2</td> <td>39.3</td> <td>6</td> <td>36.2</td> <td>37.7</td> </tr> <tr> <td>AR2</td> <td>39.3</td> <td>6</td> <td>36.2</td> <td>37.7</td> </tr> </table>	SYMBOL	X	Y	WID	HT	M1_1	46.2	48.2	24	24	NC242	9.3	12.1	24	24	NC242	83	12.1	24	24	AR2	39.3	6	36.2	37.7	AR2	39.3	6	36.2	37.7			
SYMBOL	X	Y	WID	HT																														
M1_1	46.2	48.2	24	24																														
NC242	9.3	12.1	24	24																														
NC242	83	12.1	24	24																														
AR2	39.3	6	36.2	37.7																														
AR2	39.3	6	36.2	37.7																														

SIGN WIDTH: 9'-6"
HEIGHT: 7'-0"
TOTAL AREA: 68.5 Sq.Ft.

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

NO. Z BARS: 2
LENGTH: 106.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES:

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

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
	S		O	U	T		H			D 2000
48.5	4.1	0.7	4.2	3.7	3.5	3.1	46.2			19.3
	E		A		S		T			D 2000
14	3.7	0.4	4.2	3.4	2.8		85.4			14.6
	W		E		S		T			D 2000
87.2	5.3	0.7	3.2	3.4	2.8		11.3			15.5
	S	t		P	a	u	i	s		D 2000
5.7	4.4	2.4	6	4.6	4.5	4.7	1.8	2.8	77	31.3
	R	a	e	f	o	r	d			D 2000
81.7	4.7	4.3	4	2.6	4.6	2.8	3.6	5.7		26.6

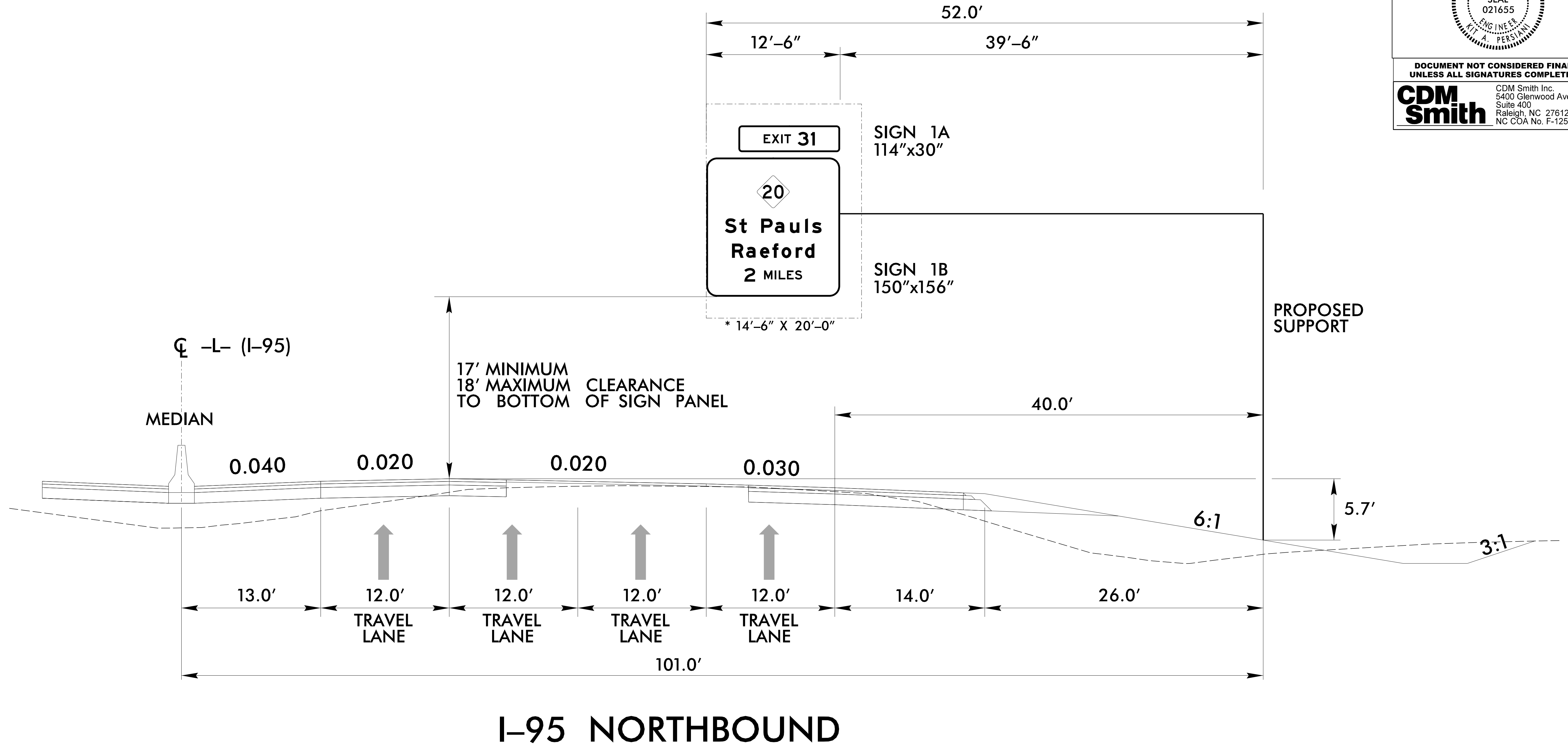
FILENAME: I-5987B_Sgn_SGM_Design

NORTH CAROLINA D.O.T. SIGN DETAIL

[illegible]

SIGN DESIGNS

TIP NO.		SHEET NO.	
I-5987B		SIGN-4I	
Decoupled by: <i>Kt A. Persiani</i> 010101E0B2CB446F			
APPROVED: _____			
DATE: 4/28/2022 _____			
SEAL			
			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
CDM Smith		CDM Smith Inc. 5400 Glenview Avenue Suite 400 Raleigh, NC 27612-3228 NC COA No. F-1265	



I-95 NORTHBOUND

NOTES:

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

STRUCTURE #770539

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

OVERHEAD SIGN ASSEMBLY "A"
STA 495+20 RT -L-

**CDM
Smith**



- # STRUCTURE #770540

OVERHEAD SIGN ASSEMBLY "B"
STA 548+00 RT -L-

**CDM
Smith**



- # I-95 NORTHBOUND

STRUCTURE #770541

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

OVERHEAD SIGN ASSEMBLY "C"
STA 579+50 RT -L-

**CDM
Smith**

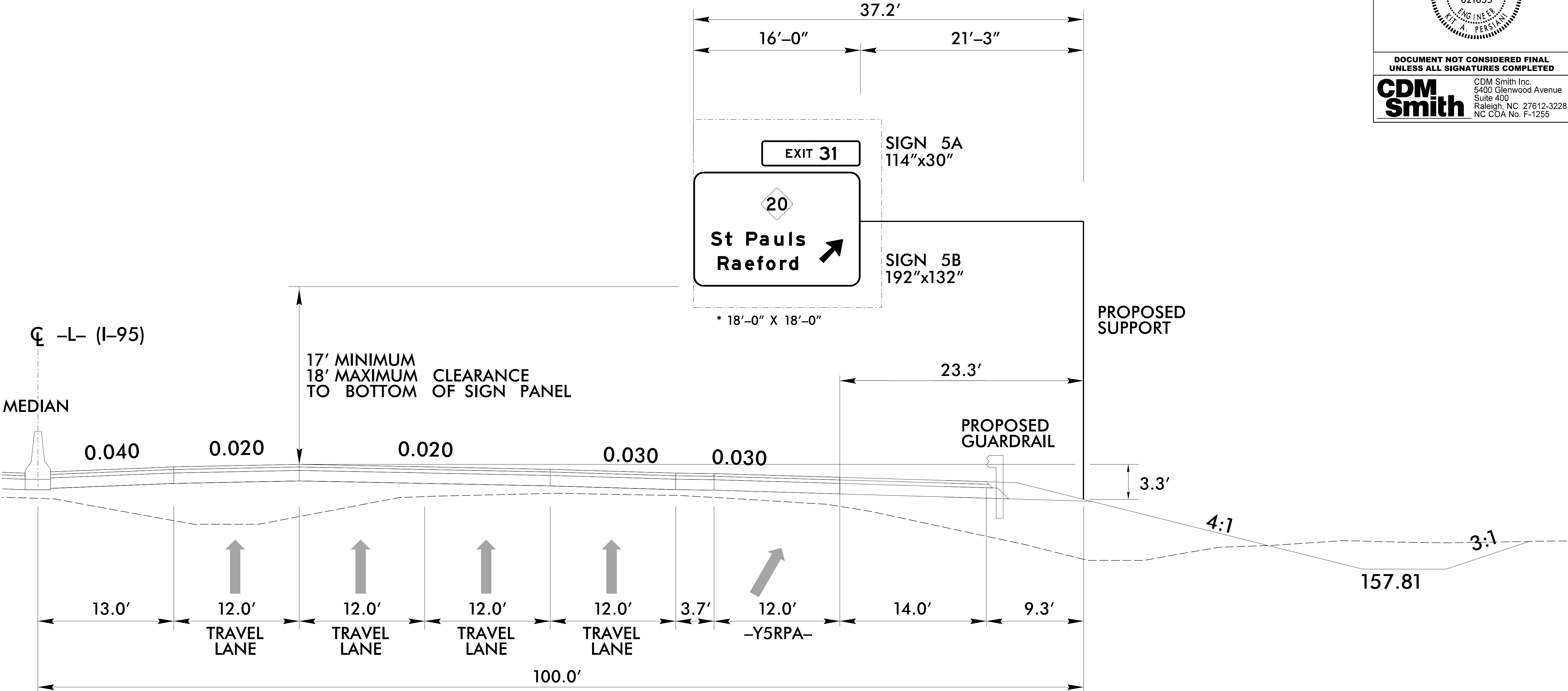


- # STRUCTURE #770542

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

OVERHEAD SIGN ASSEMBLY "D"
STA 600+80 RT -L-

03/29/22
D:\A\Projects\03-29-22-pw-bentley.com\PW_PLI\Documents\117240\258788\10 Transportation\04 Client Folder Structure\I-5987B\Traffic\Signing\CADD\Overheads\I-5987B_Overhead Section_04M.dgn
D:\A\Projects\03-29-22-pw-bentley.com\PW_PLI\Documents\117240\258788\10 Transportation\04 Client Folder Structure\I-5987B\Traffic\Signing\CADD\Overheads\I-5987B_Overhead Section_04M.dgn



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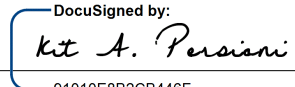
- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
- FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
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- SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 110 M.P.H.

I-95 SOUTHBOUND

STRUCTURE #770543

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

OVERHEAD SIGN ASSEMBLY "E"
STA 631+95 LT -L-

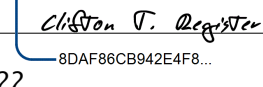
TIP NO.	SHEET NO.
I-5987B	SIGN-4M
APPROVED:  91010E8B2CB440F...	
DATE: 4/28/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	CDM Smith Inc. 5400 Glenwood Avenue Suite 400 Raleigh, NC 27612-3228 NC COA No. F-1255

TIP NO.
I-5987B

SHEET NO.
SIGN-4N

APPROVED:

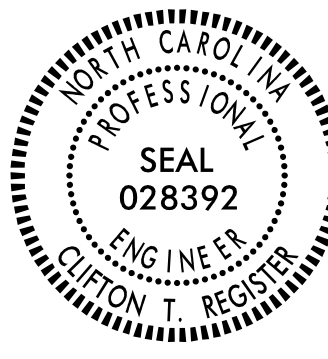
DocuSigned by:


Clayton T. Register
8DAF8BCB9A2E4F8

DATE:

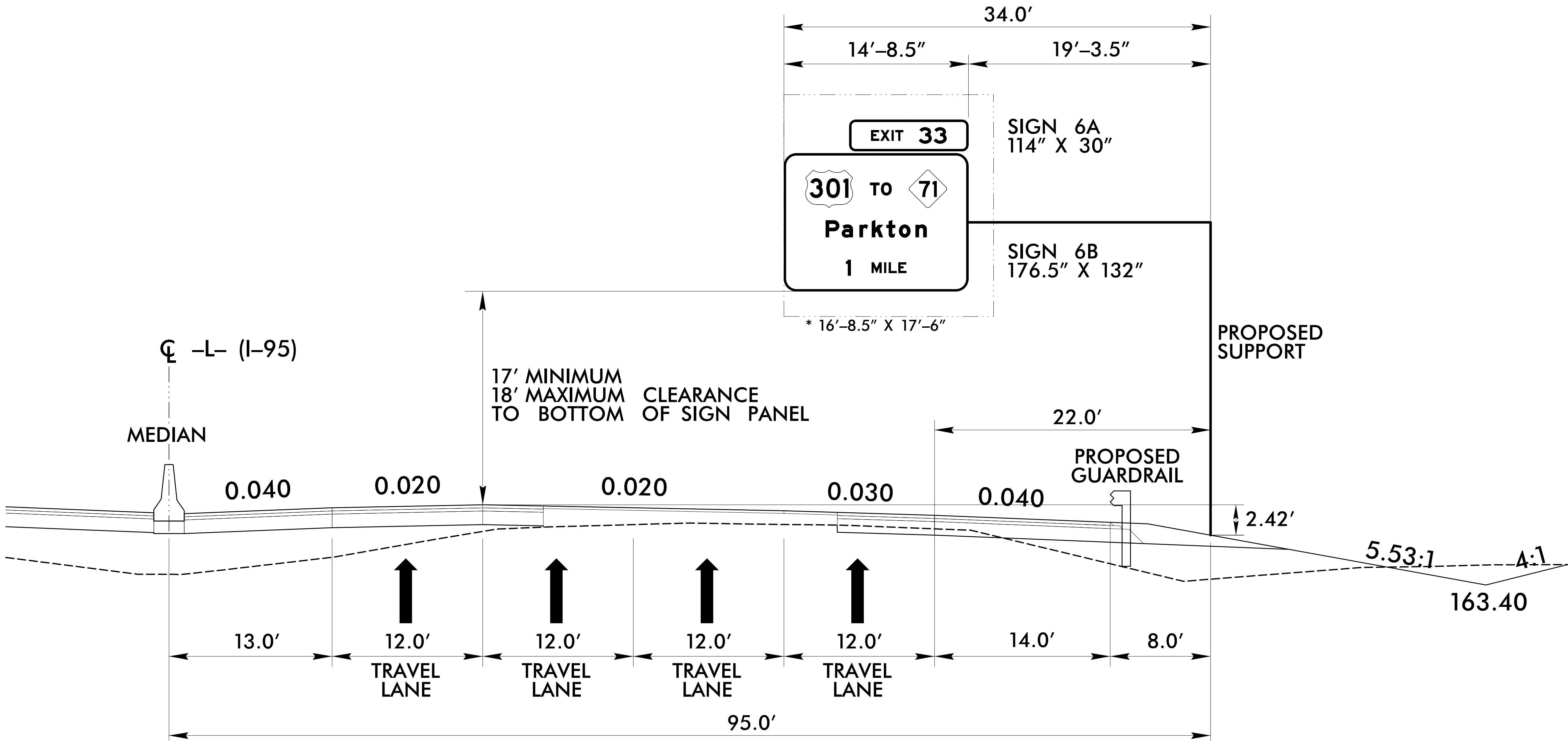
4/28/2022

SEAL



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
706 HILLSBOROUGH STREET
(SUITE 200)
RALEIGH, NC 27603
PH: (919) 773-8887
CORP. LICENSE NO.: C-0275



I-95 NORTHBOUND

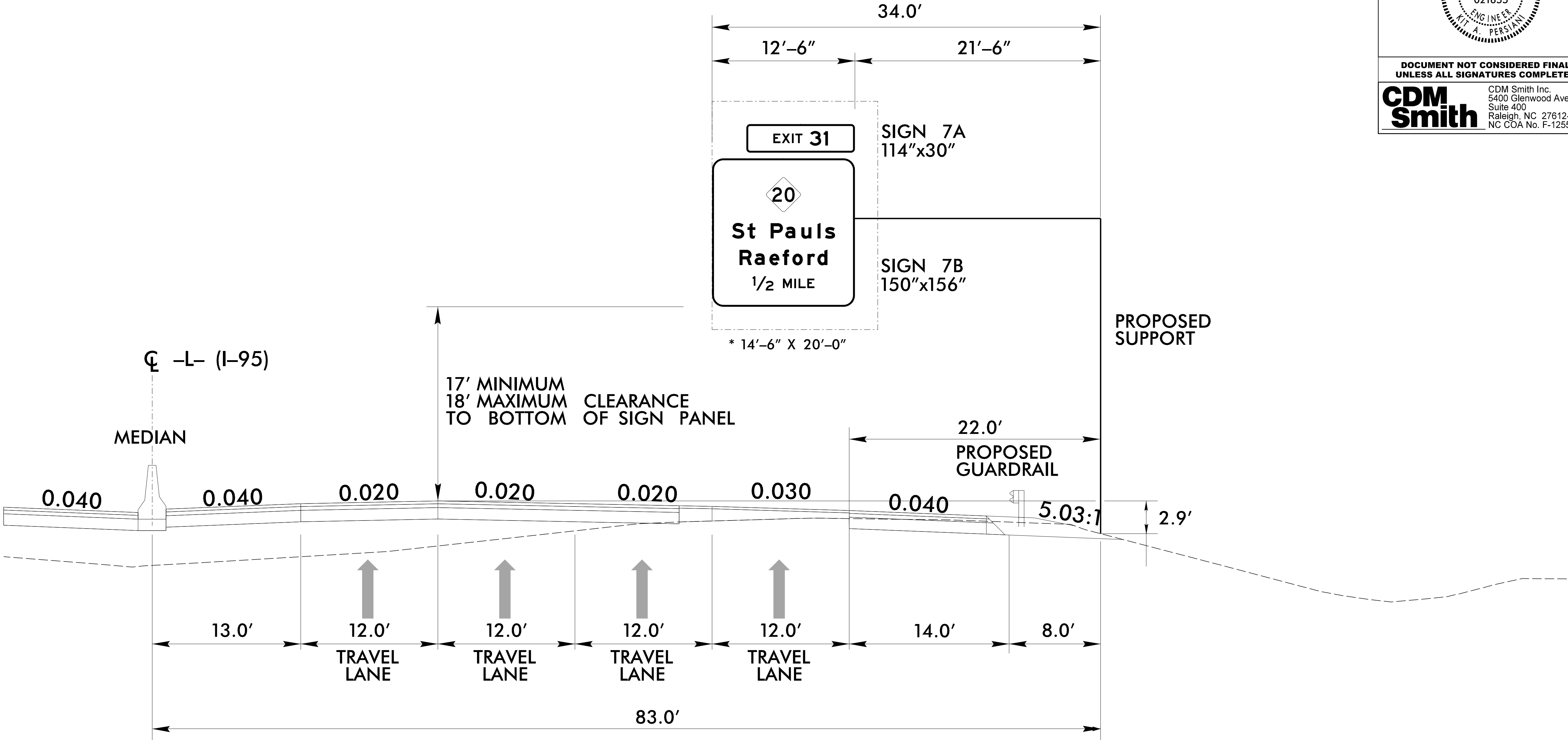
NOTES:

- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
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- SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 110 M.P.H.

STRUCTURE #770544

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

OVERHEAD SIGN ASSEMBLY "F"
STA 645+00 RT -L-



NOTES:

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STRUCTURE #770545

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

OVERHEAD SIGN ASSEMBLY "G"
STA 658+35 LT -L-

TIP NO.	SHEET NO.
I-5987B	SIGN-40
APPROVED:	DocuSigned by: <i>Kit A. Persiani</i> 91010EB82CB46F...
DATE:	4/28/2022
SEAL	
SEAL 021655 KIT A. PERSIANI	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
CDM Smith	CDM Smith Inc. 5400 Glenwood Avenue Suite 400 Raleigh, NC 27612-3228 NC COA No. F-1255

TGS ENGINEERS
706 HILLSBOROUGH STREET
(SUITE 200)
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

**CDM
Smith**



- # STRUCTURE #770547

OVERHEAD SIGN ASSEMBLY "I"
STA 676+00 LT -L-

TIP NO.
I-5987B

SHEET NO.
SIGN-4R

DocuSigned by:
Clifton T. Register
8DAF86CB942E4F8...

APPROVED:

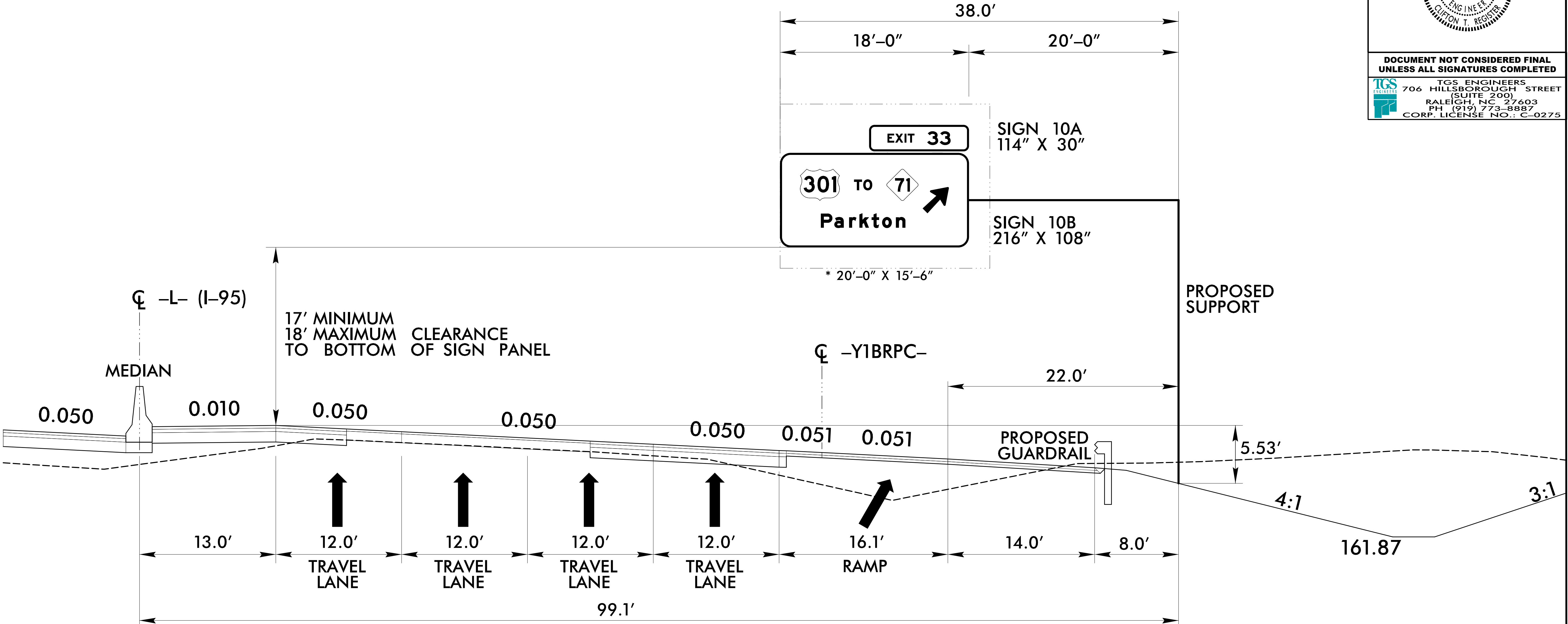
DATE: 4/28/2022

SEAL

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

TCS ENGINEERS
706 HILLSBOROUGH STREET
(SUITE 200)
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

SEAL
028392
ENGINEER
CLIFTON T. REGISTER



NOTES:

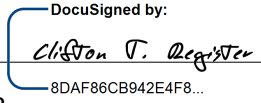
- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
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- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 110 M.P.H.

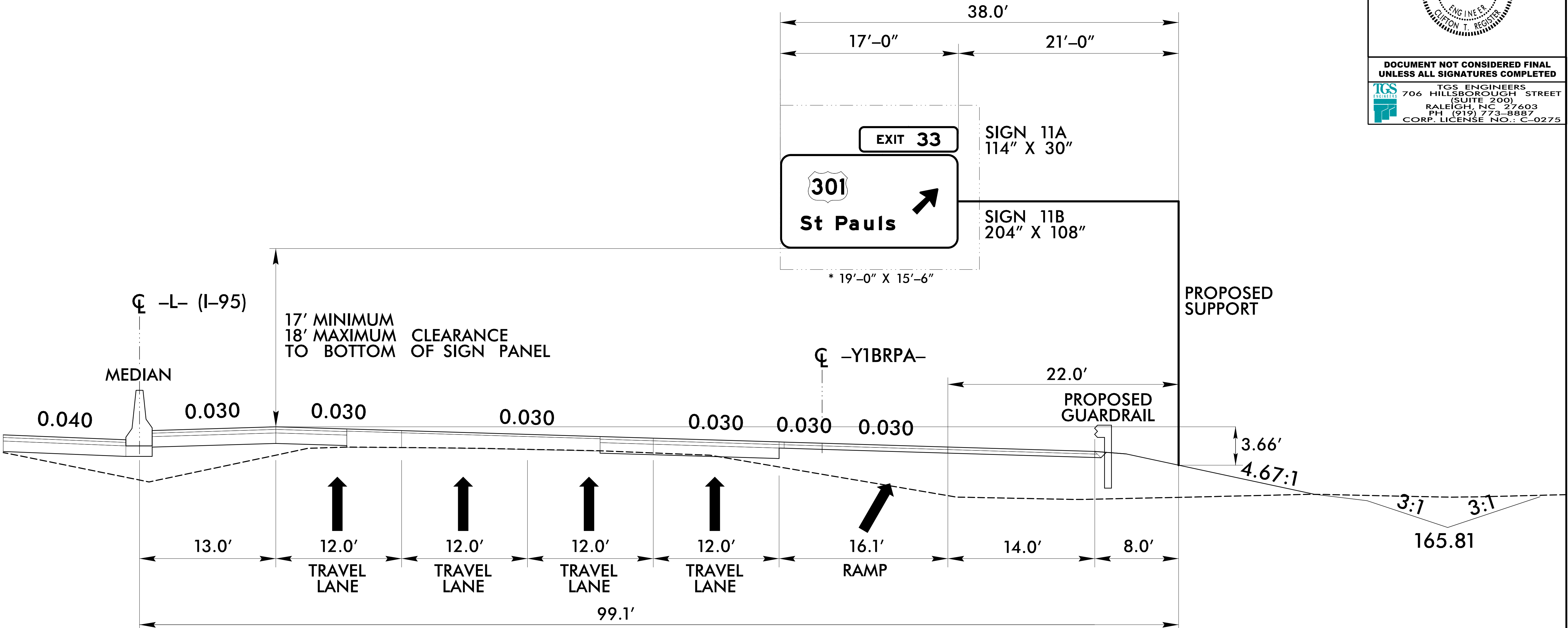
STRUCTURE #770548

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

OVERHEAD SIGN ASSEMBLY "J"
STA 686+30 RT -L-

3/31/2022
C:\Projects\NCDOT\I-5987B\Traffic\Signing\CADD\Overheads\I5987b_sgn_seg2_Sign04R.dgn
User: mlowery

TIP NO. I-5987B	SHEET NO. SIGN-4S
APPROVED:  DATE: 4/28/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 TGS ENGINEERS 706 HILLSBOROUGH STREET (SUITE 200) RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	



I-95 SOUTHBOUND

NOTES:

- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
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STRUCTURE #770549

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

OVERHEAD SIGN ASSEMBLY "K"
STA 719+85 LT -L-

A circular professional engineer seal for the State of North Carolina. The outer ring contains the text "NORTH CAROLINA" at the top and "CLIFTON T. REGISTER" at the bottom. Inside this ring, the word "PROFESSIONAL" is at the top and "ENGINEER" is at the bottom. In the center of the seal, the word "SEAL" is positioned above the number "028392".

1. IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
2. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
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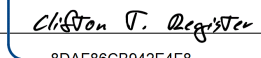
OVERHEAD SIGN ASSEMBLY "L"
STA 746+25 LT -L-

TIP NO.
I-5987B

SHEET NO.
SIGN-4U

APPROVED:

DocuSigned by:
Clifton T. Register
8DAF86CB942EAF8



DATE:

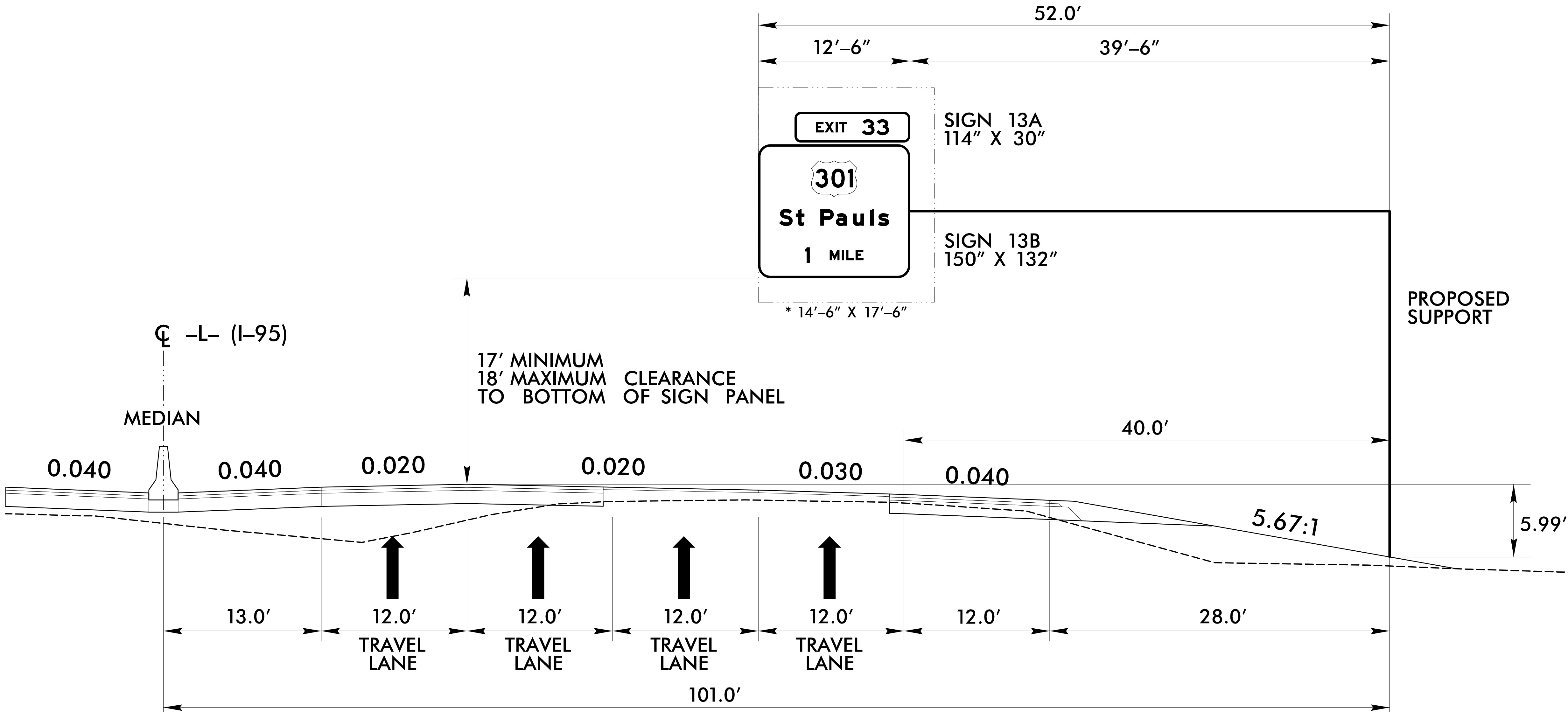
4/28/2022

SEAL



DOCUMENT NOT CONSIDERED FINAL
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TGS ENGINEERS
706 HILLSBOROUGH STREET
(SUITE 200)
RALEIGH, NC 27603
PH: (919) 773-8887
CORP. LICENSE NO.: C-0275



I-95 SOUTHBOUND

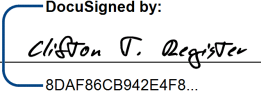
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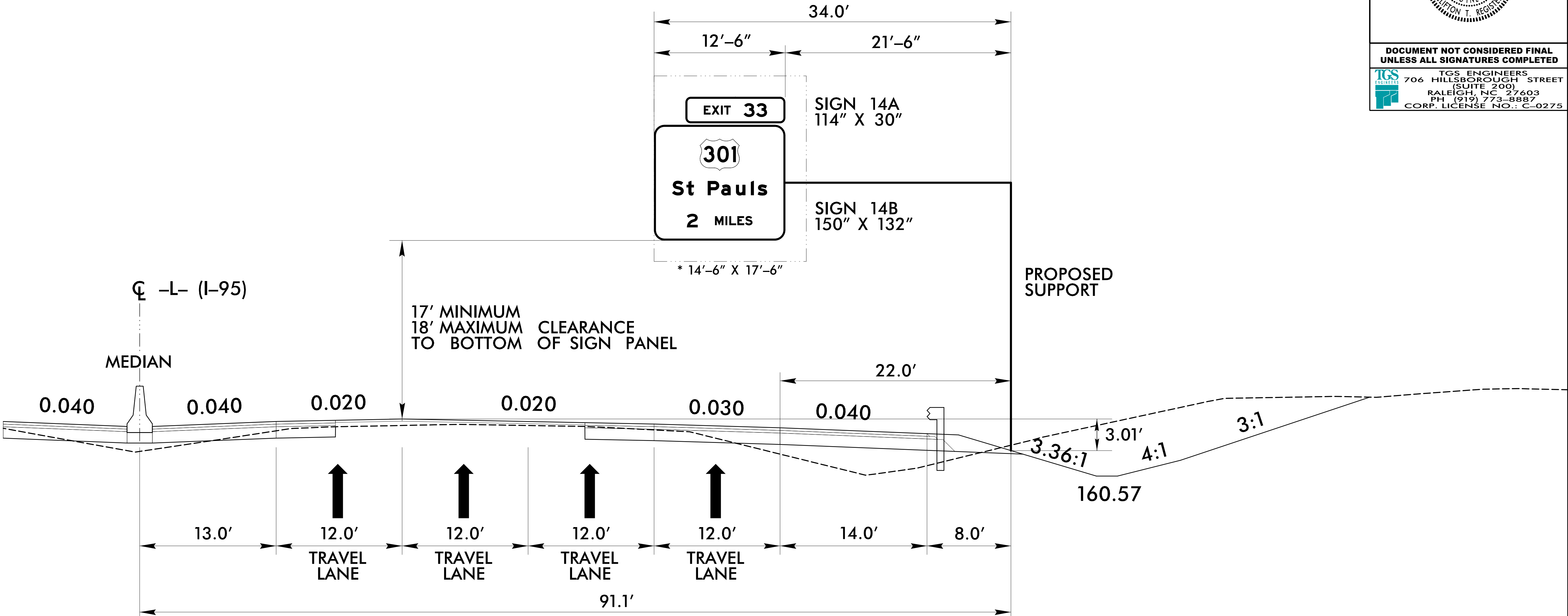
- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
- FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
- THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
- SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 110 M.P.H.

STRUCTURE #770551

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

OVERHEAD SIGN ASSEMBLY "M"
STA 772+65 LT -L-

TIP NO. I-5987B	SHEET NO. SIGN-4V
APPROVED:  DATE: 4/28/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 TGS ENGINEERS 706 HILLSBOROUGH STREET (SUITE 200) RALEIGH, NC 27603 PH: (919) 773-8887 CORP. LICENSE NO.: C-0275	



I-95 SOUTHBOUND

NOTES:

- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
- FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
- THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
- SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 110 M.P.H.

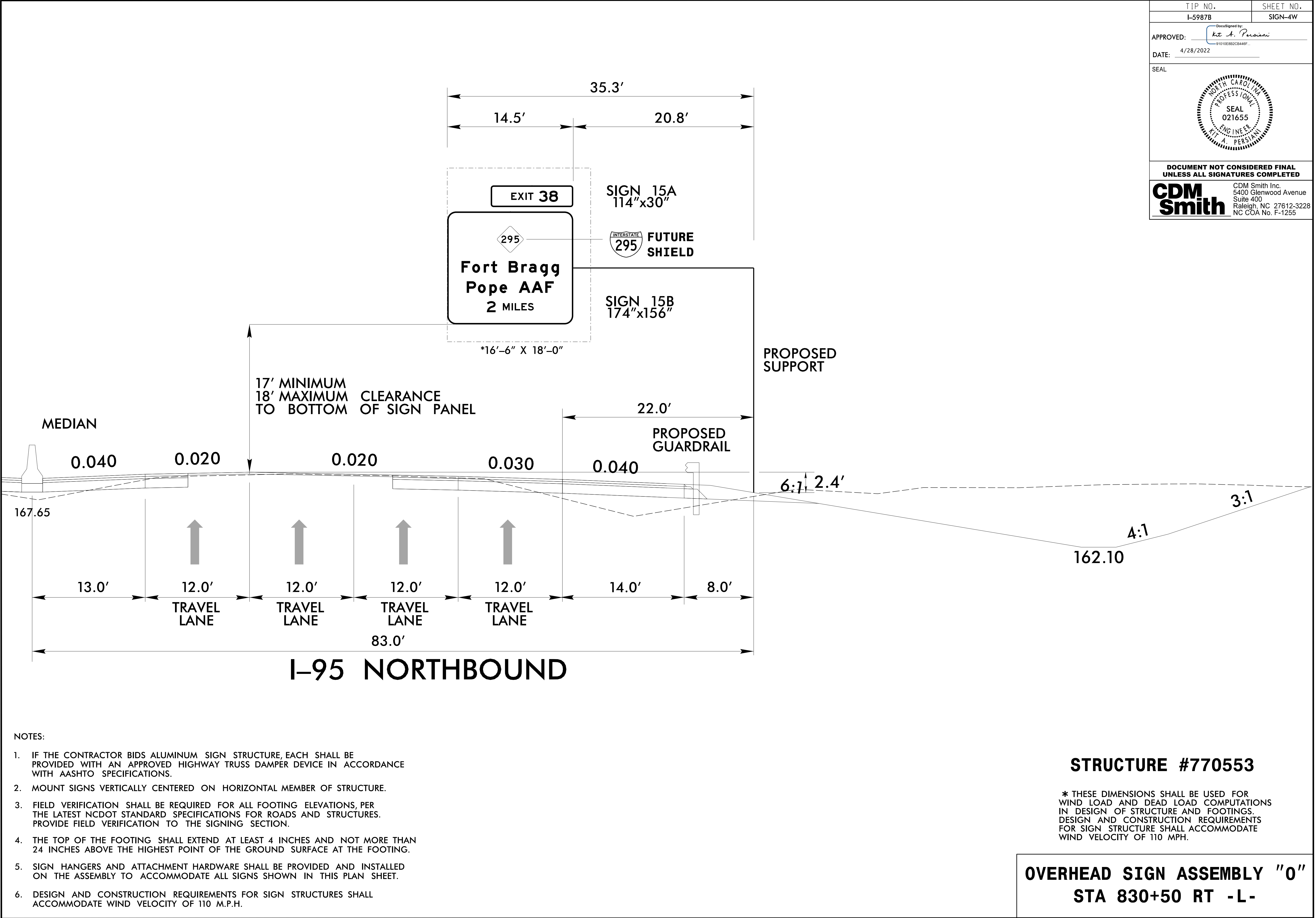
STRUCTURE #770552

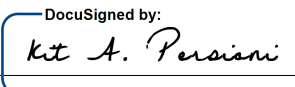
* THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURE SHALL ACCOMMODATE WIND VELOCITY OF 110 MPH.

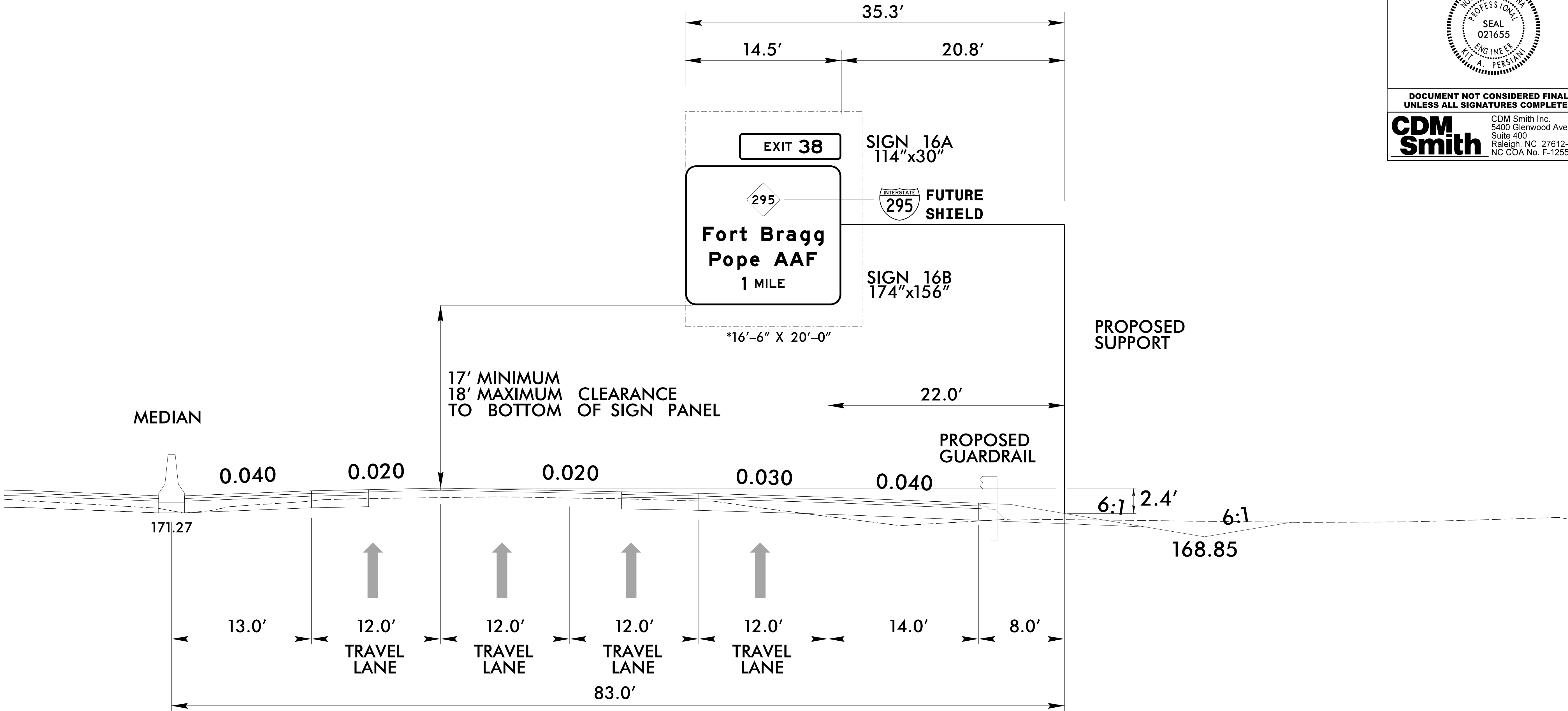
OVERHEAD SIGN ASSEMBLY "N"
STA 825+45 LT -L-

3/31/2022
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User: mtoewerj

03/29/22
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User: PERSIANIK



TIP NO. I-5987B	SHEET NO. SIGN-4W
APPROVED:  DocuSigned by: Kit A. Persiani 91010E8D2CB446F...	
DATE: 4/28/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
CDM Smith	CDM Smith Inc. 5400 Glenwood Avenue Suite 400 Raleigh, NC 27612-3228 NC COA No. F-1255



NOTES:

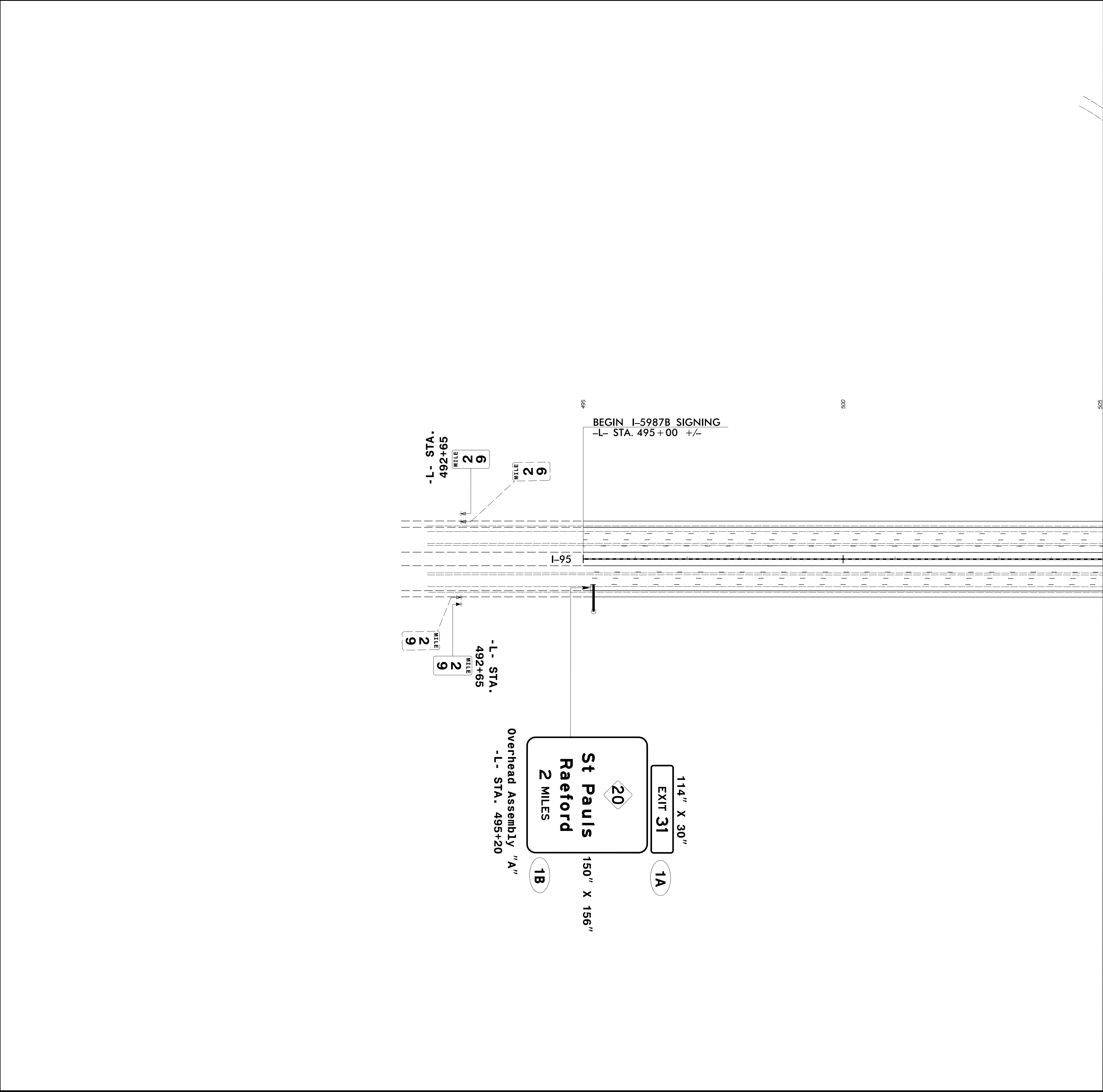
- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
- FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
- THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
- SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 110 M.P.H.

STRUCTURE #770554

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

OVERHEAD SIGN ASSEMBLY "P"
STA 881+85 RT -L-

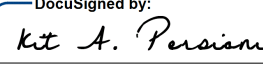
TIP NO.	SHEET NO.
I-5987B	SIGN-4X
APPROVED: DocuSigned by: <i>kt A. Persiani</i> 91010EB82C846F...	
DATE: 4/28/2022	
SEAL	
SEAL 021655 K.T. A. PERSIANI	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
CDM Smith	CDM Smith Inc. 5400 Glenwood Avenue Suite 400 Raleigh, NC 27612-3228 NC COA No. F-1255

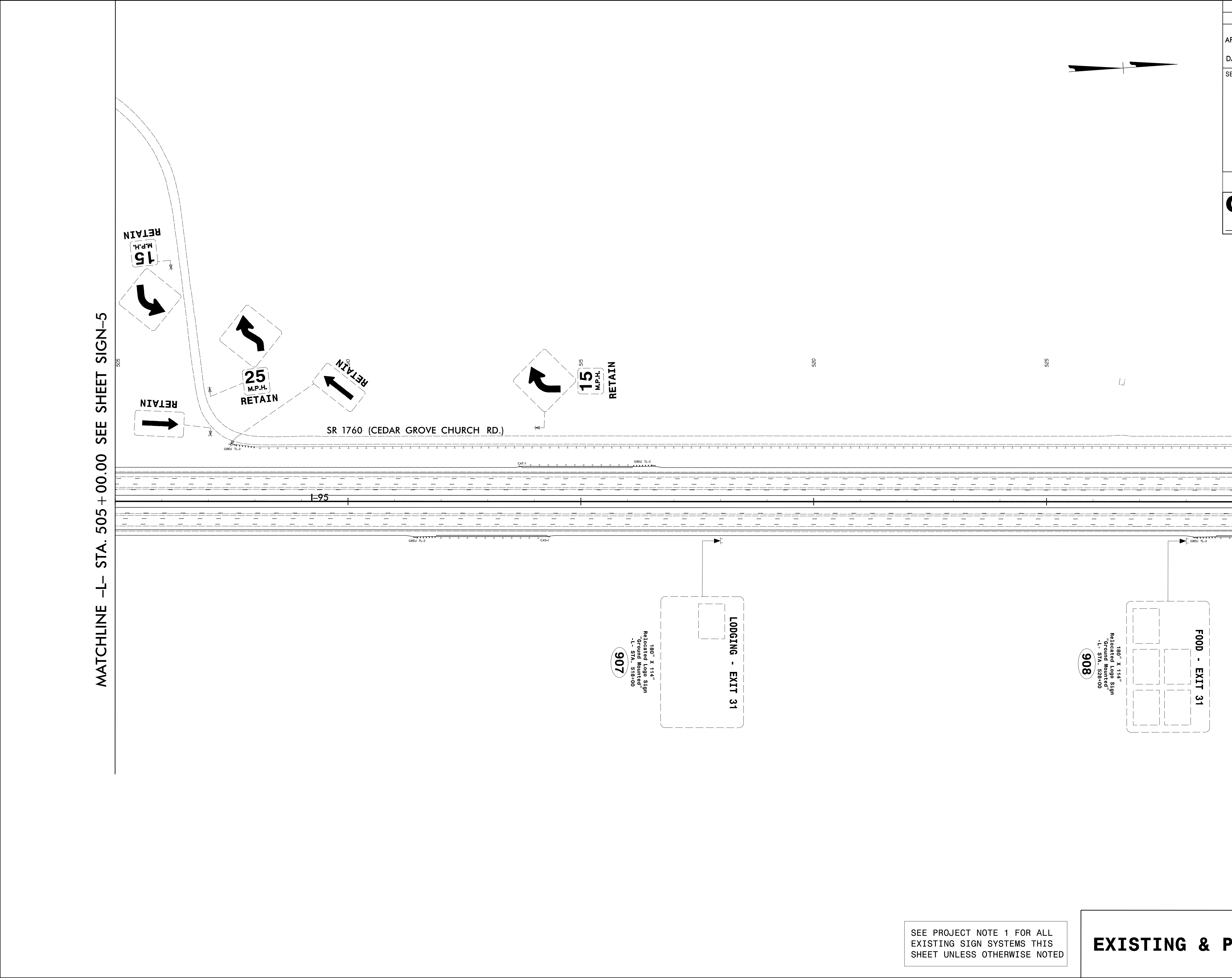


MATCHLINE -L- STA. 505 + 00.00 SEE SHEET SIGN-6

EXISTING & PROPOSED SIGNS

SEE PROJECT NOTE 1 FOR ALL EXISTING SIGN SYSTEMS THIS SHEET UNLESS OTHERWISE NOTED

TIP NO. I-5987B	SHEET NO. SIGN-5
APPROVED:  DocuSigned by: Kit A. Persiani 91910EB82C846F	
DATE: 4/28/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	CDM Smith Inc. 5400 Glenwood Avenue Suite 400 Raleigh, NC 27612-3228 NC COA No. F-1255

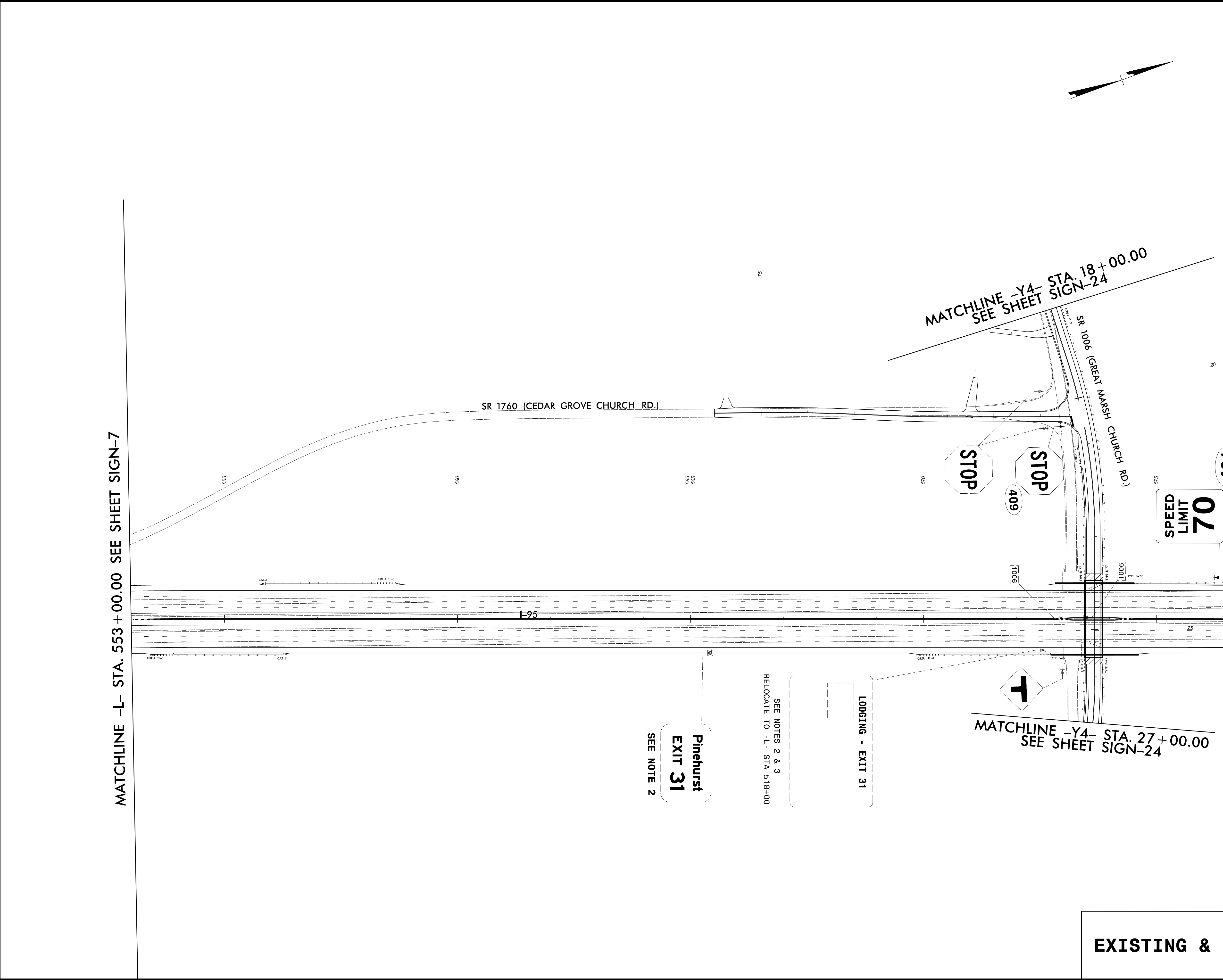


TIP NO.	SHEET NO.
I-5987B	SIGN-6
APPROVED: DocuSigned by: <i>Kit A. Persiani</i> 91010E8B2CB446F...	
DATE: 4/28/2022	
SEAL	
Seal of Kit A. Persiani, North Carolina Professional Engineer, Seal 021655	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
CDM Smith	CDM Smith Inc. 5400 Glenwood Avenue Suite 400 Raleigh, NC 27612-3228 NC COA No. F-1255

MATCHLINE -L- STA. 529 + 00.00 SEE SHEET SIGN-7

SEE PROJECT NOTE 1 FOR ALL
EXISTING SIGN SYSTEMS THIS
SHEET UNLESS OTHERWISE NOTED

EXISTING & PROPOSED SIGNS



TIP NO.	SHEET NO.
I-5987B	SIGN-8
APPROVED: <i>Kit A. Persiani</i> DocuSigned by: 91910EB8B2CB46F	
DATE: 4/28/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
CDM Smith	CDM Smith Inc. 5400 Glenwood Avenue Suite 400 Raleigh, NC 27612-3228 NC COA No. F-1255

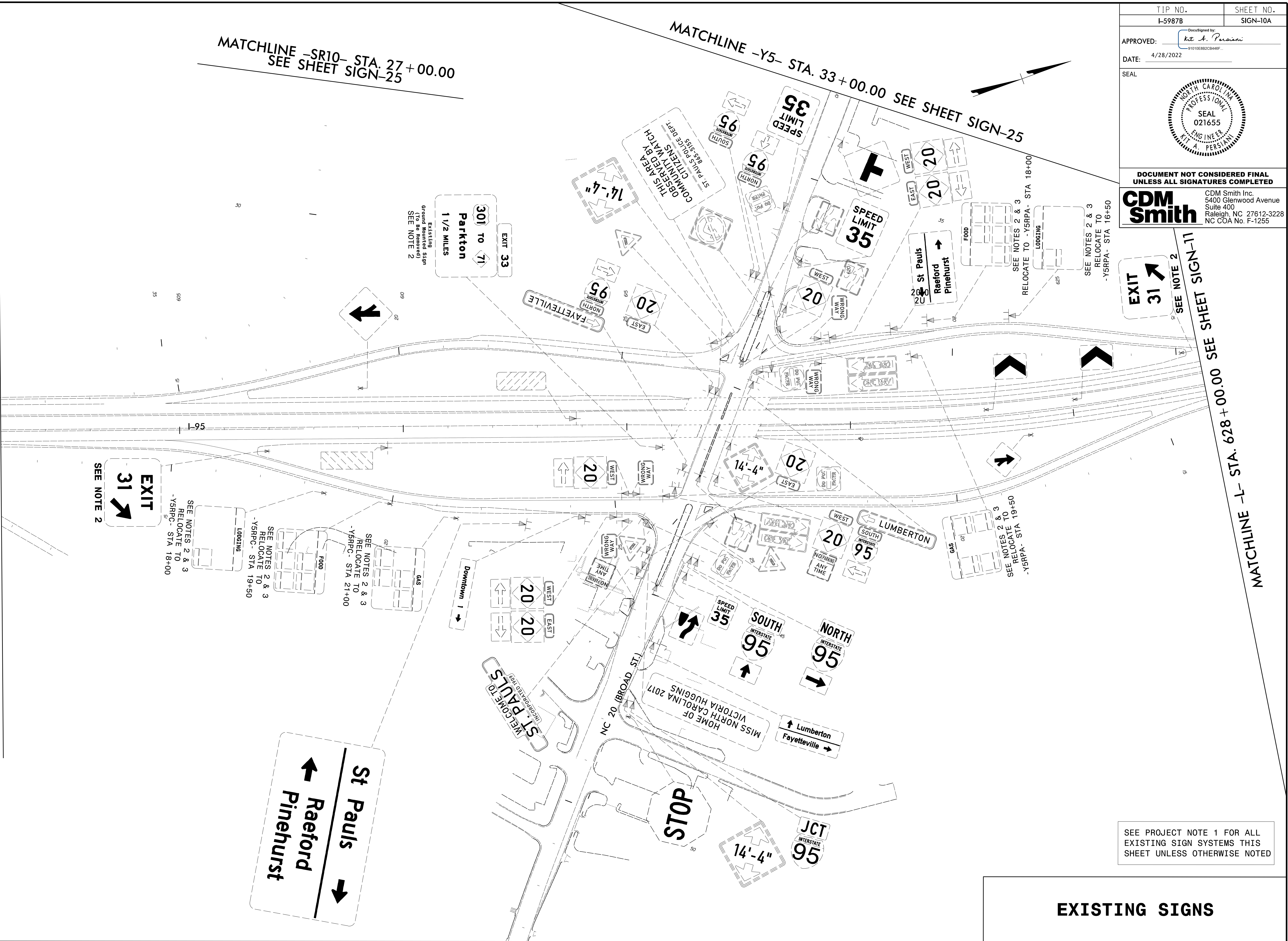
SEE PROJECT NOTE 1 FOR ALL
EXISTING SIGN SYSTEMS THIS
SHEET UNLESS OTHERWISE NOTED

EXISTING & PROPOSED SIGNS



04/01/22
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User:FPERSIANIK

MATCHLINE -L- STA. 601 + 00.00 SEE SHEET SIGN-9

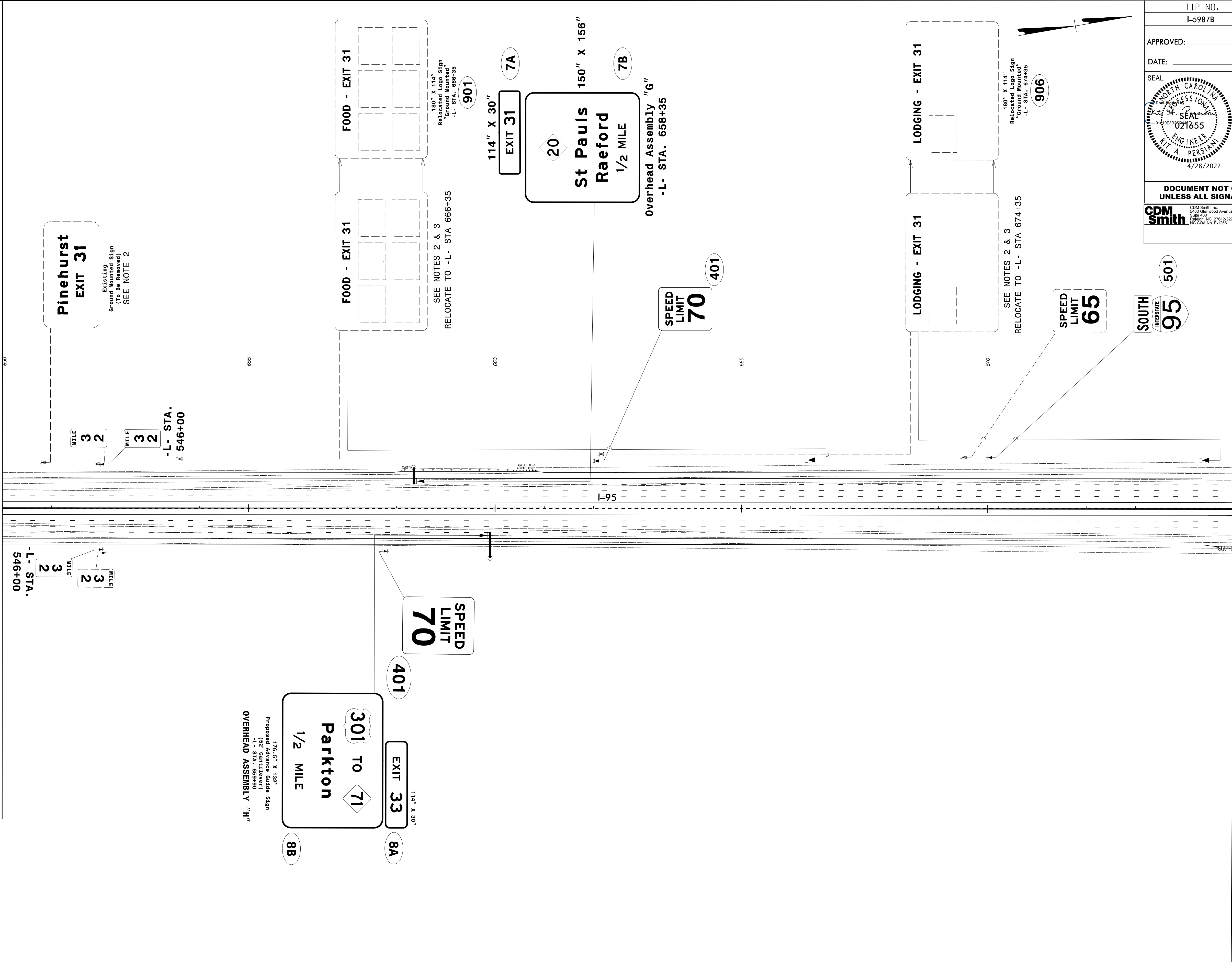


TIP NO. I-5987B	SHEET NO. SIGN-10A
APPROVED: <i>K. A. Persiani</i> 91010E8B2C8446F	
DATE: 4/28/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
CDM Smith CDM Smith Inc. 5400 Glenwood Avenue Suite 400 Raleigh, NC 27612-3228 NC COA No. F-1255	

SEE PROJECT NOTE 1 FOR ALL
EXISTING SIGN SYSTEMS THIS
SHEET UNLESS OTHERWISE NOTED

03/29/22
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User: PERSIANI

MATCHLINE –L– STA. 650 + 00.00 SEE SHEET SIGN–11

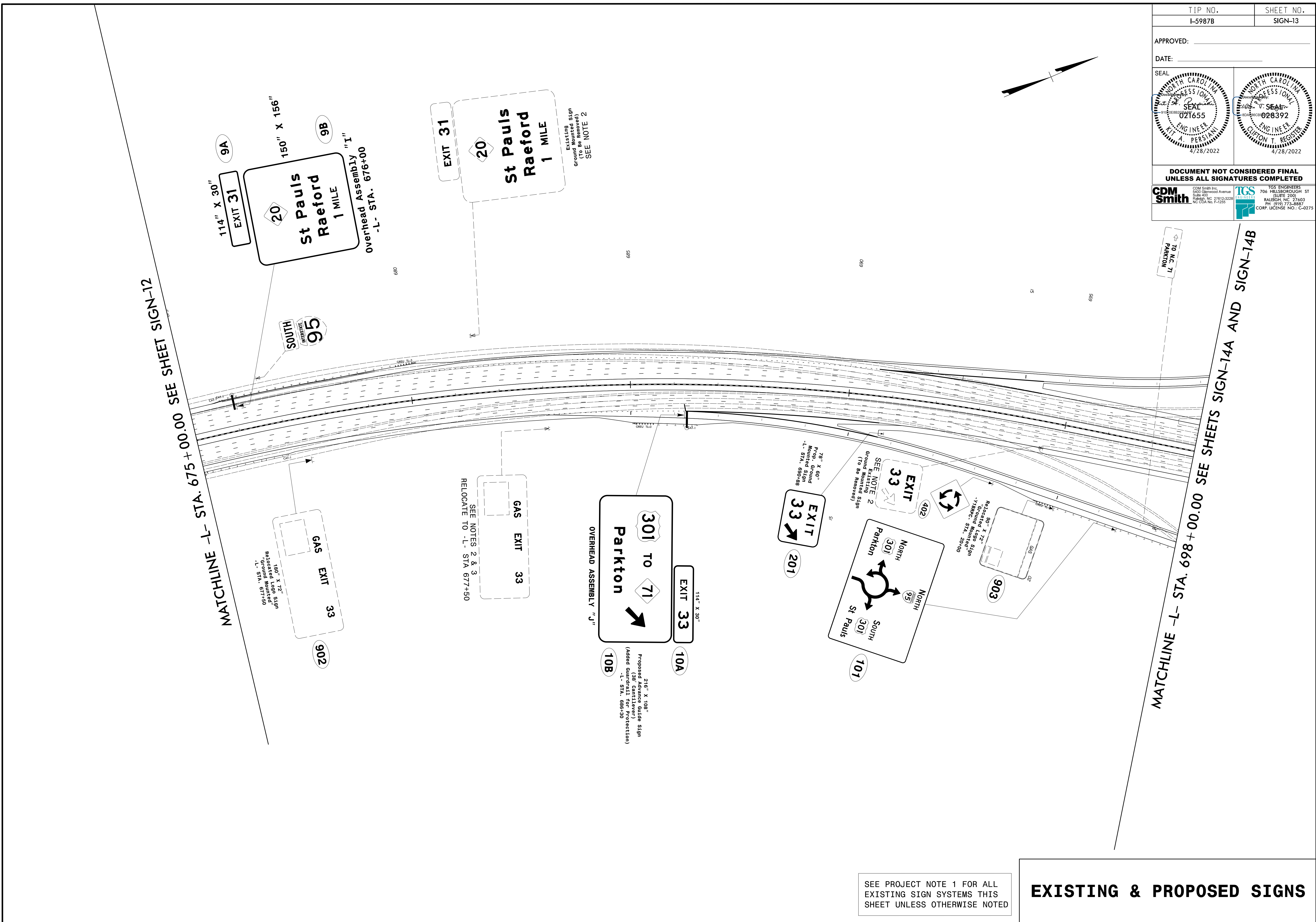


SEE PROJECT NOTE 1 FOR ALL
EXISTING SIGN SYSTEMS THIS
SHEET UNLESS OTHERWISE NOTED

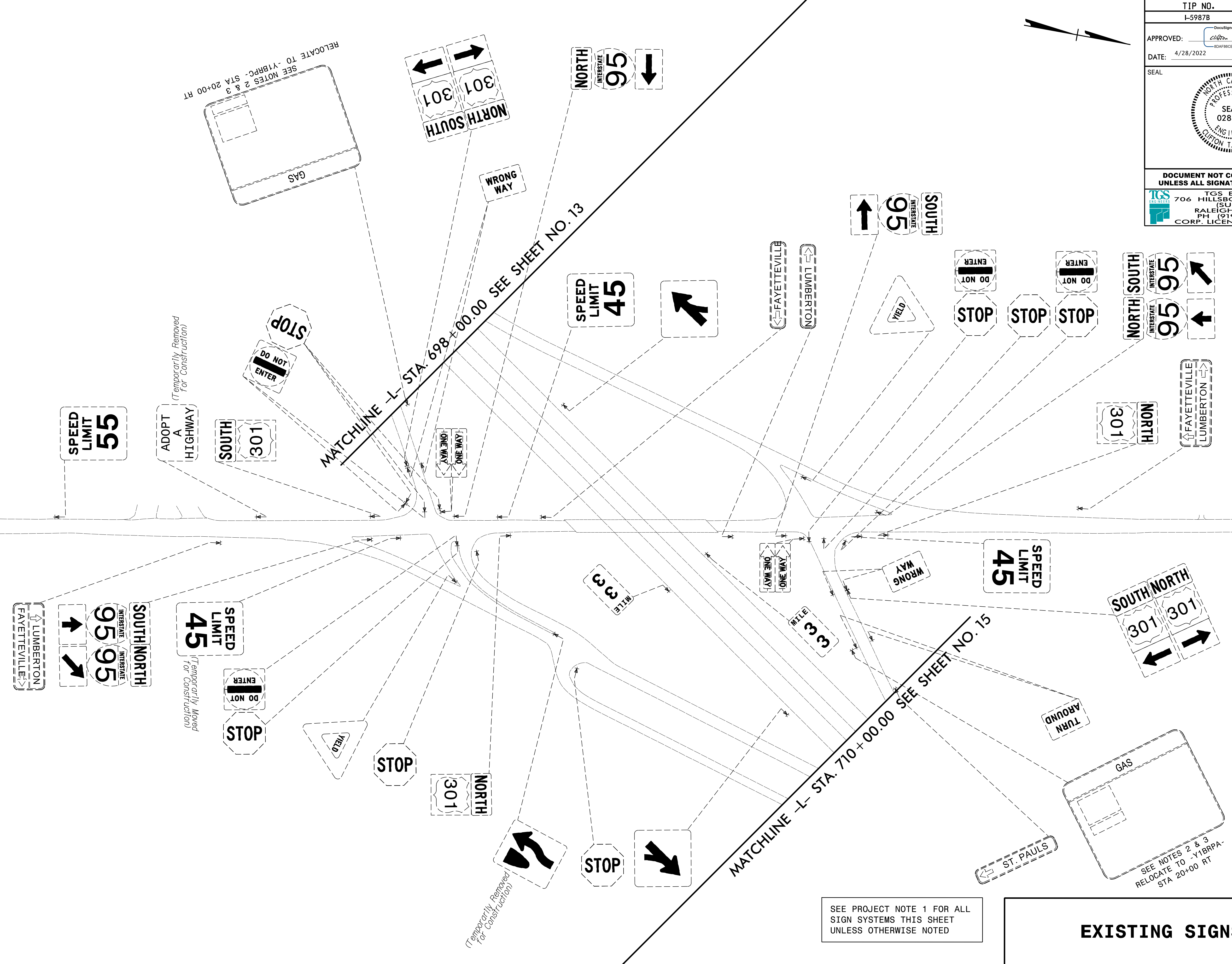
EXISTING & PROPOSED SIGNS

TIP NO. I-5987B		SHEET NO. SIGN-12	
APPROVED: _____			
DATE: _____			
SEAL CDM SMITH ENGINEER T. A. PERSIANI 021655 4/28/2022		SEAL TGS ENGINEERS CLIFTON T. REGISTER 028392 4/28/2022	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
CDM SMITH CDM Smith Inc. 5402 Glenwood Avenue Suite 450 Raleigh, NC 27612-5228 NC CDM No. F-1255		TGS ENGINEERS TGS ENGINEERS 706 HILLSBOROUGH ST SUITE 200 RALEIGH, NC 27603 PH: (919) 773-4887 CORP. LICENSE NO.: C-0275	

MATCHLINE –L– STA. 675 + 00.00 SEE SHEET SIGN-13

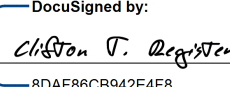


MATCHLINE -Y1B- STA. 43+00 SEE SHEET NO. SIGN-26



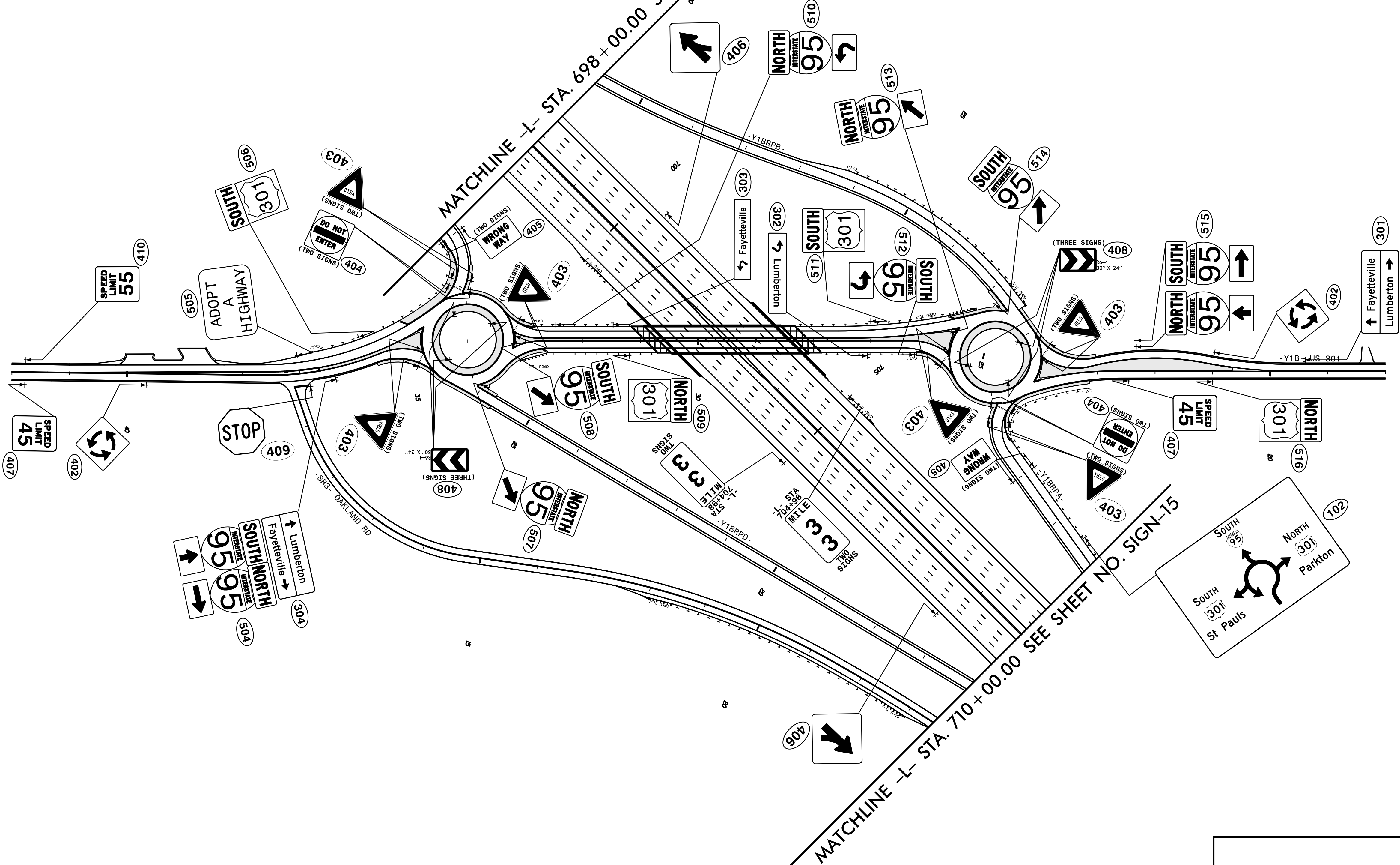
SEE PROJECT NOTE 1 FOR ALL
SIGN SYSTEMS THIS SHEET
UNLESS OTHERWISE NOTED

EXISTING SIGNS

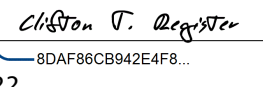
TIP NO. I-5987B	SHEET NO. SIGN-14A
APPROVED:  DocuSigned by: Clinton T. Register 8DAF8BCB9A2E4F8	
DATE: 4/28/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
TGS ENGINEERS 706 HILLSBOROUGH STREET (SUITE 200) RALEIGH, NC 27603 PH: (919) 773-8887 CORP. LICENSE NO.: C-0275	

MATCHLINE -Y1B- STA. 16+00.00 SEE SHEET NO. SIGN-26

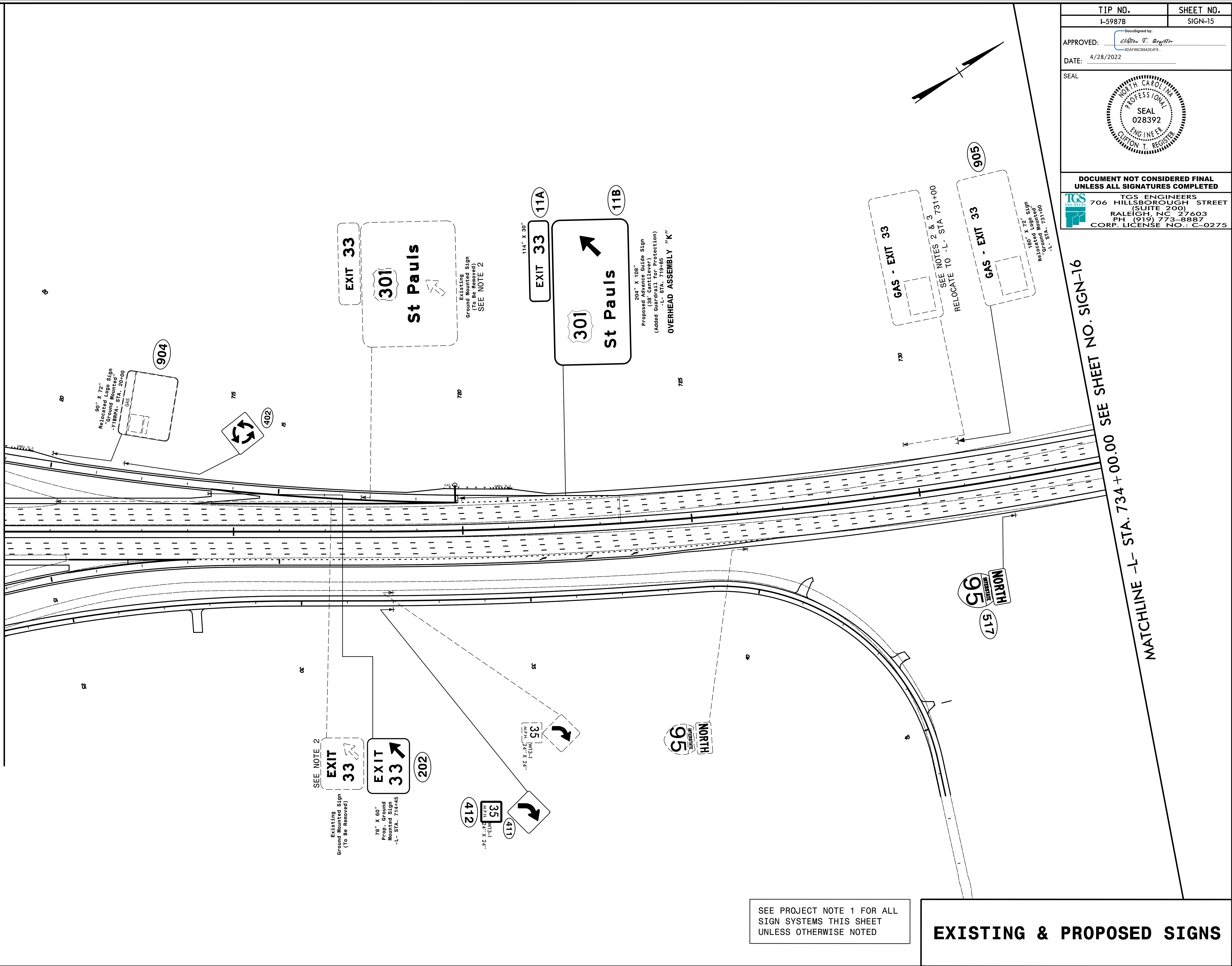
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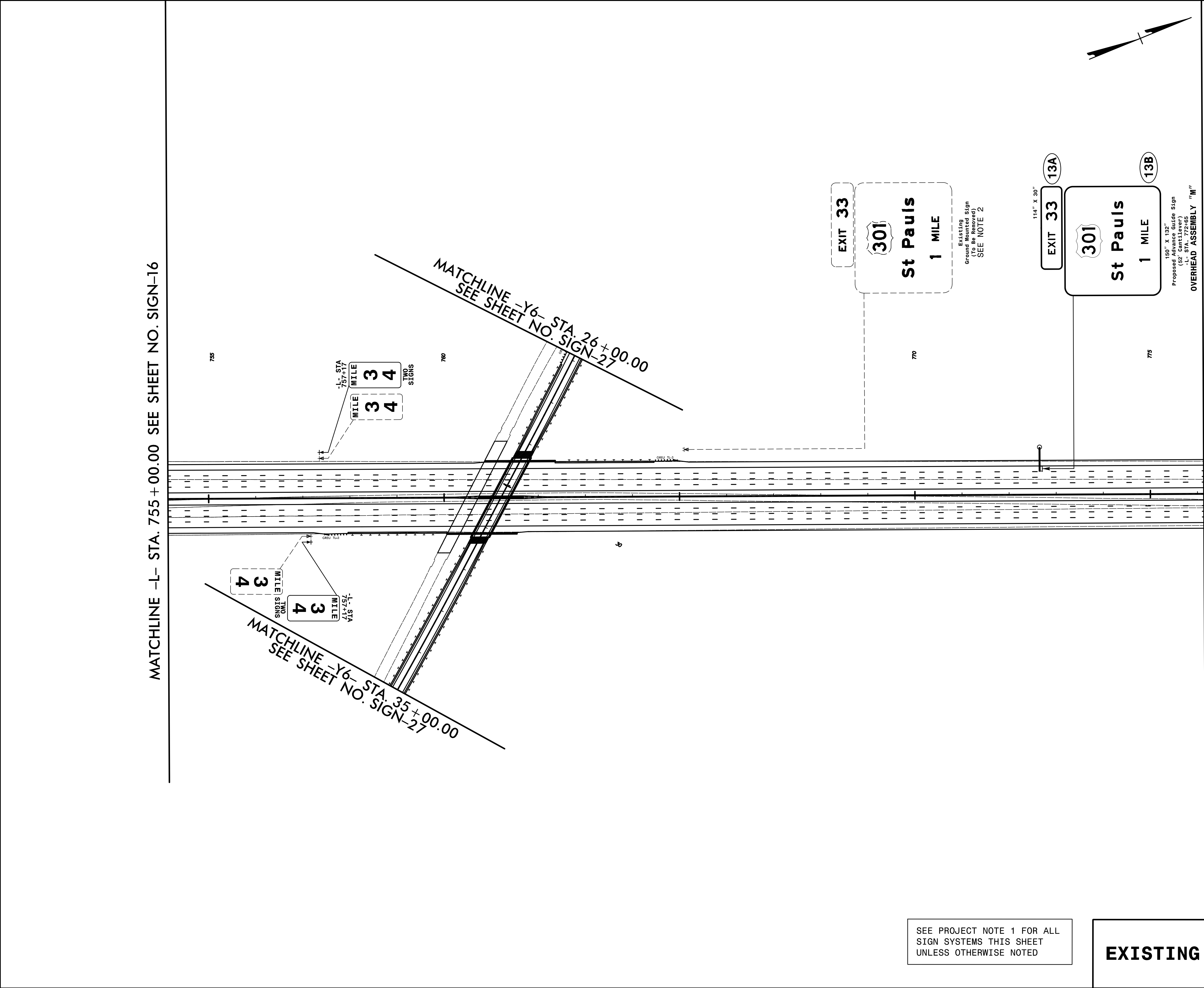


PROPOSED SIGNS

TIP NO. I-5987B	SHEET NO. SIGN-14B
APPROVED:  4/28/2022	
DATE: 4/28/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
TGS ENGINEERS 706 HILLSBOROUGH STREET (SUITE 200) RALEIGH, NC 27603 PH: (919) 773-8887 CORP. LICENSE NO.: C-0275	

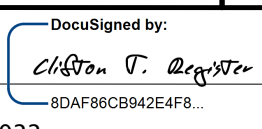
MATCHLINE –Y1B– STA. 14 + 00.00 SEE SHEET NO. SIGN-26





SEE PROJECT NOTE 1 FOR ALL
SIGN SYSTEMS THIS SHEET
UNLESS OTHERWISE NOTED

EXISTING & PROPOSED SIGNS

TIP NO.	SHEET NO.
I-5987B	SIGN-17
APPROVED: 	
DATE: 4/28/2022	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 TGS ENGINEERS 706 HILLSBOROUGH STREET (SUITE 200) RALEIGH, NC 27603 PH: (919) 773-8887 CORP. LICENSE NO.: C-0275	

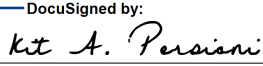
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03/29/22
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User:FPERSIANIK

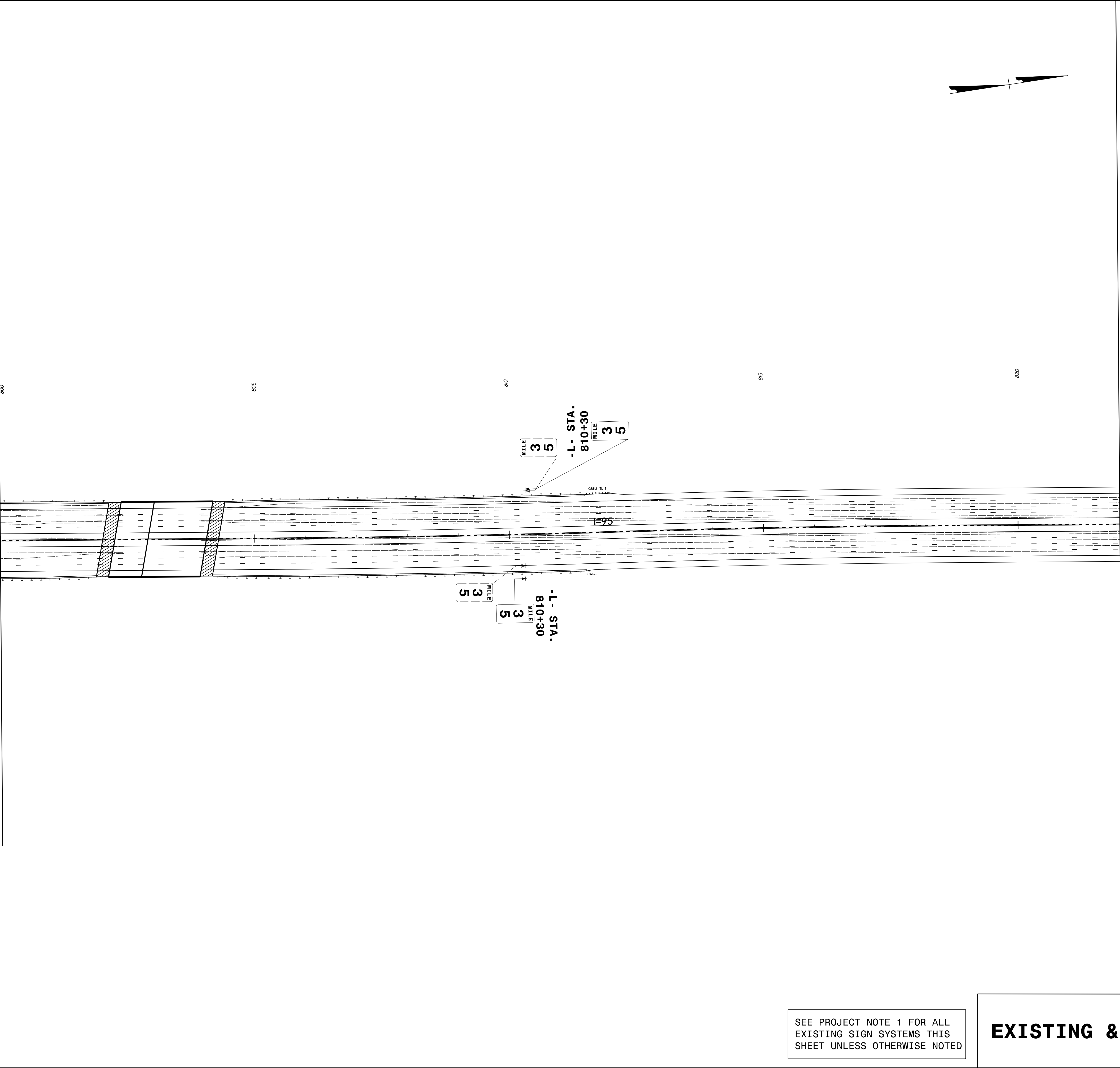


SEE PROJECT NOTE 1 FOR ALL
EXISTING SIGN SYSTEMS THIS
SHEET UNLESS OTHERWISE NOTED

EXISTING & PROPOSED SIGNS

TIP NO. I-5987B	SHEET NO. SIGN-18
APPROVED:  DocuSigned by: Kit A. Persiani 91010E8B2CB446F	
DATE: 4/28/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
CDM Smith	CDM Smith Inc. 5400 Glenwood Avenue Suite 400 Raleigh, NC 27612-3228 NC COA No. F-1255

MATCHLINE –L– STA. 800 + 00.00 SEE SHEET SIGN-18



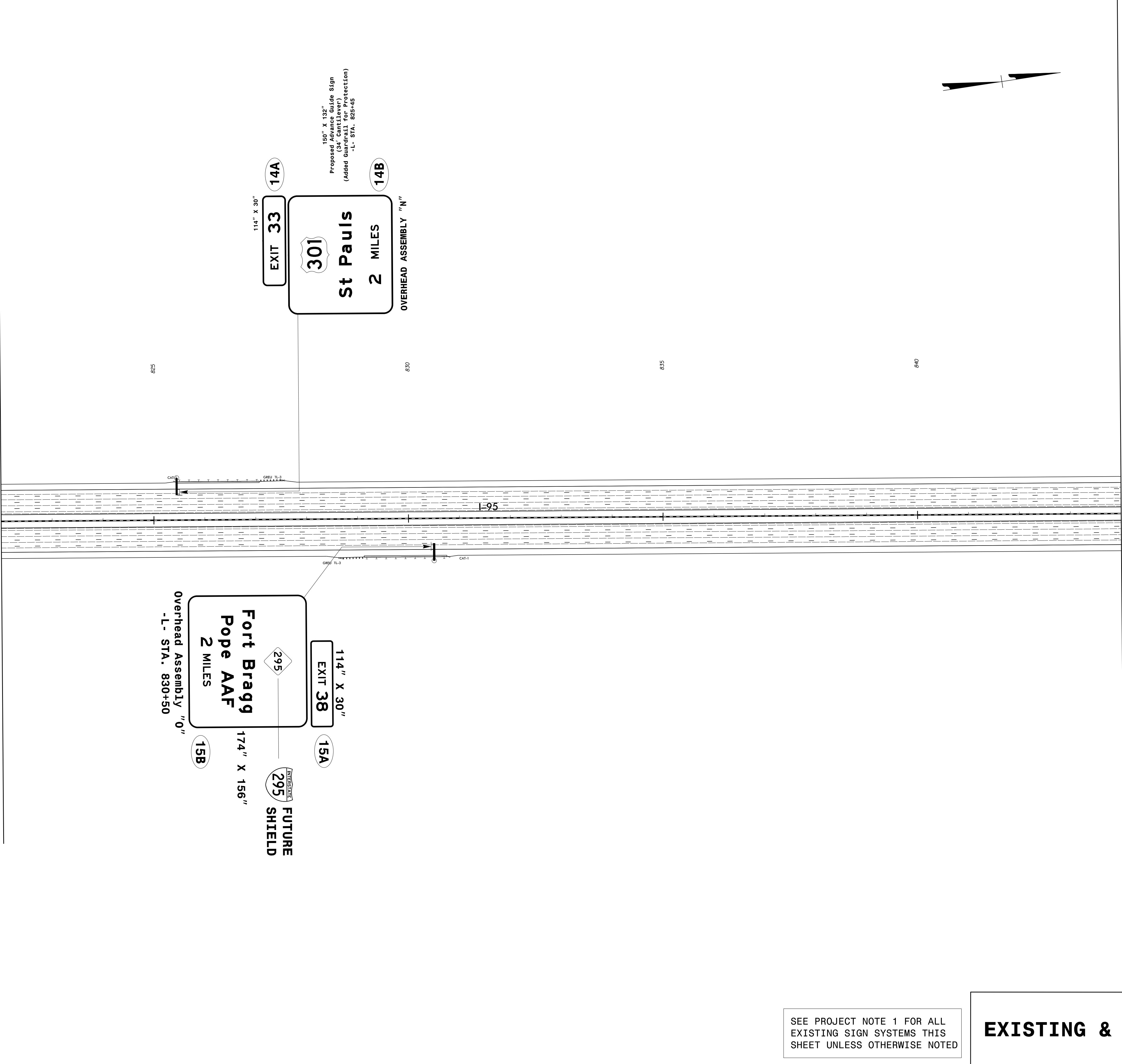
SEE PROJECT NOTE 1 FOR ALL
EXISTING SIGN SYSTEMS THIS
SHEET UNLESS OTHERWISE NOTED

EXISTING & PROPOSED SIGNS

MATCHLINE –L– STA. 822 + 00.00 SEE SHEET SIGN-20

TIP NO.	SHEET NO.
I-5987B	SIGN-19
APPROVED: DocuSigned by: <i>Kit A. Persiani</i> 91010E8B2CB446F	
DATE: 4/28/2022	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	CDM Smith Inc. 5400 Glenwood Avenue Suite 400 Raleigh, NC 27612-3228 NC COA No. F-1255

MATCHLINE –L– STA. 822 + 00.00 SEE SHEET SIGN-19



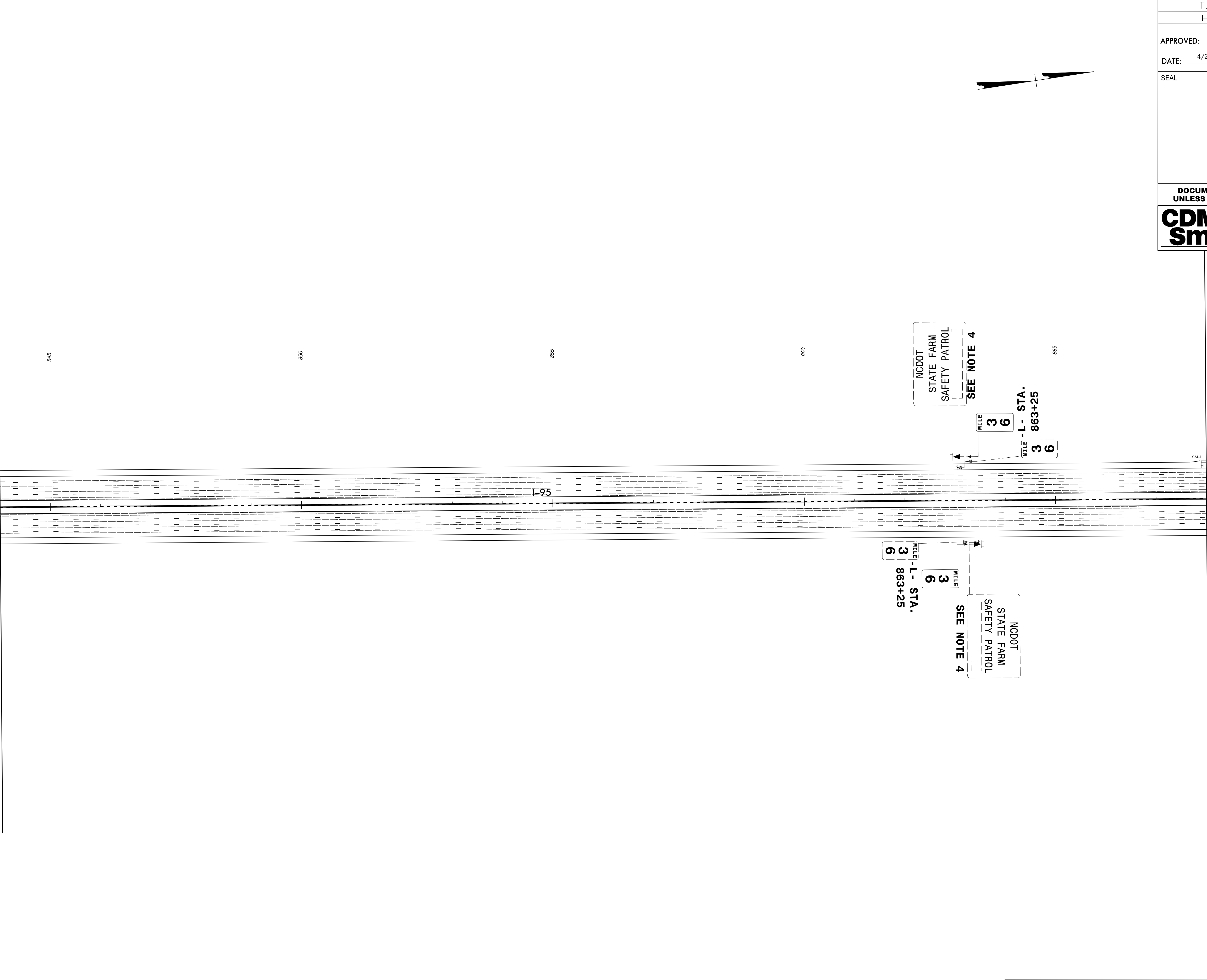
SEE PROJECT NOTE 1 FOR ALL
EXISTING SIGN SYSTEMS THIS
SHEET UNLESS OTHERWISE NOTED

EXISTING & PROPOSED SIGNS

MATCHLINE –L– STA. 844 + 00.00 SEE SHEET SIGN-21

TIP NO. I-5987B		SHEET NO. SIGN-20	
APPROVED: _____			
DATE: _____			
SEAL 		SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
 CDM Smith Inc. 5400 Glenwood Avenue Suite 400 Raleigh, NC 27612-3228 NC CDA No. P-1255		 TGS ENGINEERS 706 HILLSBOROUGH ST SUITE 200 RALEIGH, NC 27603 PH: (919) 773-8887 CORP. LICENSE NO.: C-0275	

MATCHLINE –L– STA. 844 + 00.00 SEE SHEET SIGN-20



SEE PROJECT NOTE 1 FOR ALL
EXISTING SIGN SYSTEMS THIS
SHEET UNLESS OTHERWISE NOTED

EXISTING & PROPOSED SIGNS

TIP NO.	SHEET NO.
I-5987B	SIGN-21

DocuSigned by:
Kit A. Persiani
91010E8B2CB446F...

APPROVED:

DATE: 4/28/2022

SEAL

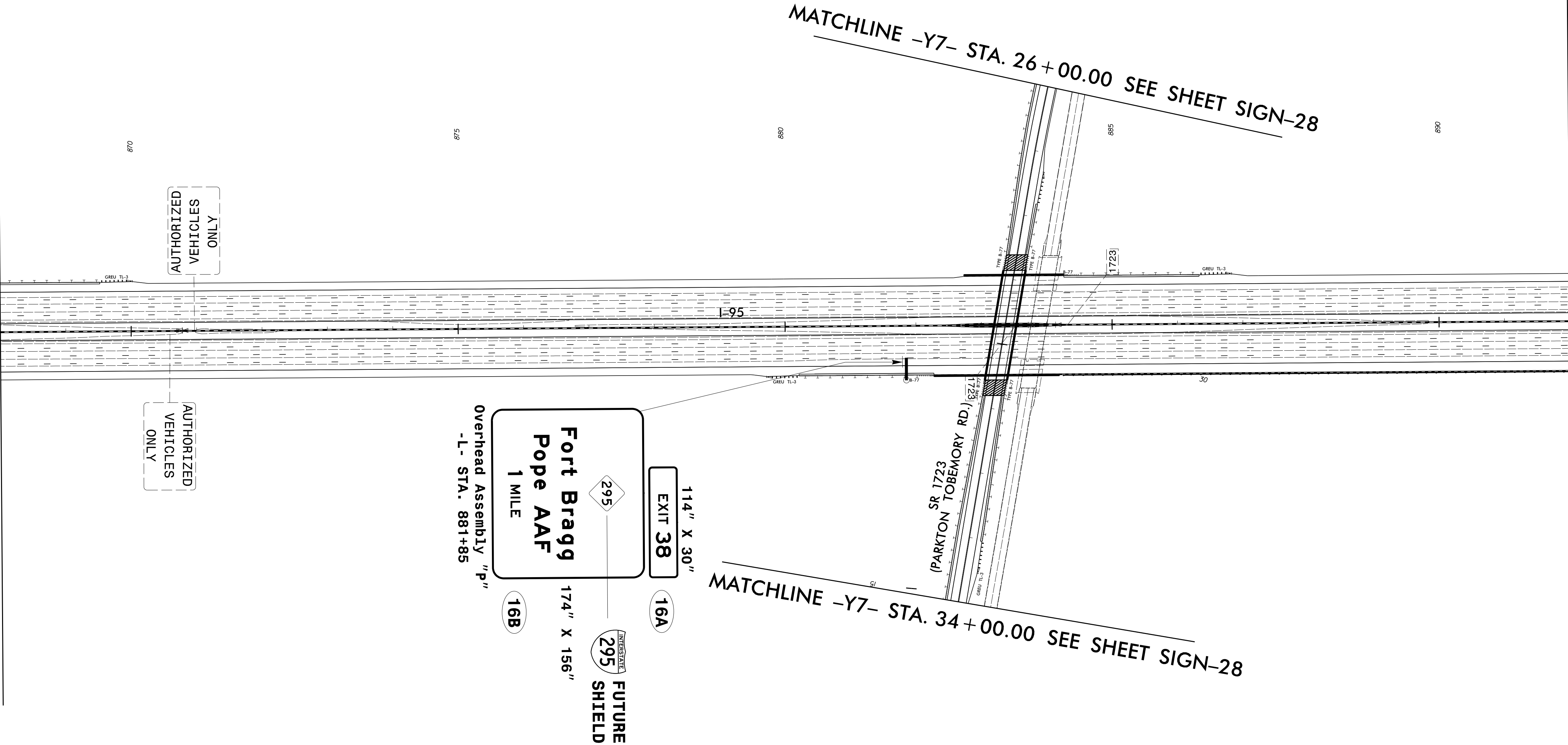
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

CDM Smith

CDM Smith Inc.
5400 Glenwood Avenue
Suite 400
Raleigh, NC 27612-3228
NC COA No. F-1255

03/29/22
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User:FPERSIANIK

MATCHLINE -L- STA. 868 + 00.00 SEE SHEET SIGN-21



MATCHLINE -Y7- STA. 34 + 00.00 SEE SHEET SIGN-28

MATCHLINE -Y7- STA. 26 + 00.00 SEE SHEET SIGN-28

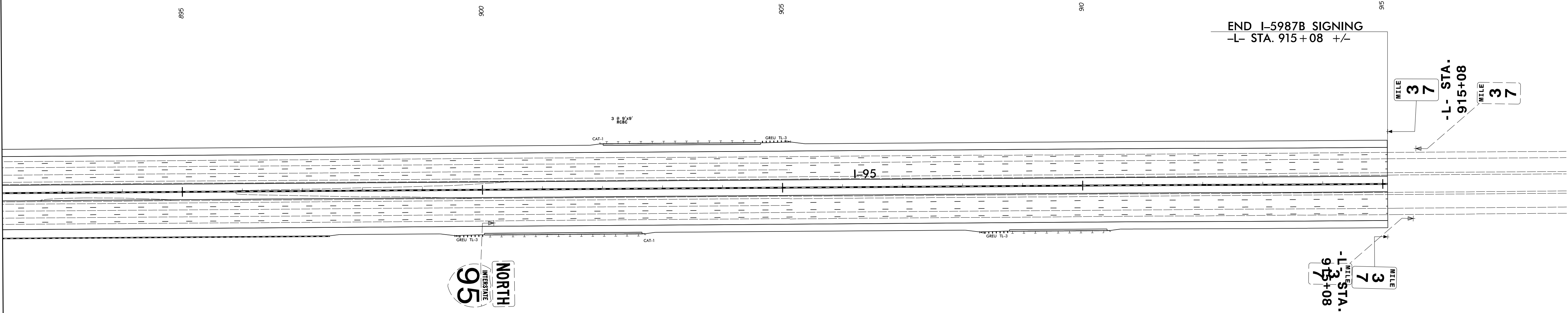
SEE PROJECT NOTE 1 FOR ALL
EXISTING SIGN SYSTEMS THIS
SHEET UNLESS OTHERWISE NOTED

EXISTING & PROPOSED SIGNS

TIP NO. I-5987B	SHEET NO. SIGN-22
APPROVED: <i>Kit A. Persiani</i> DocuSigned by: 91010E8B2CB446F	
DATE: 4/28/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
CDM Smith CDM Smith Inc. 5400 Glenwood Avenue Suite 400 Raleigh, NC 27612-3228 NC COA No. F-1255	

MATCHLINE -L- STA. 892 + 00.00 SEE SHEET SIGN-23

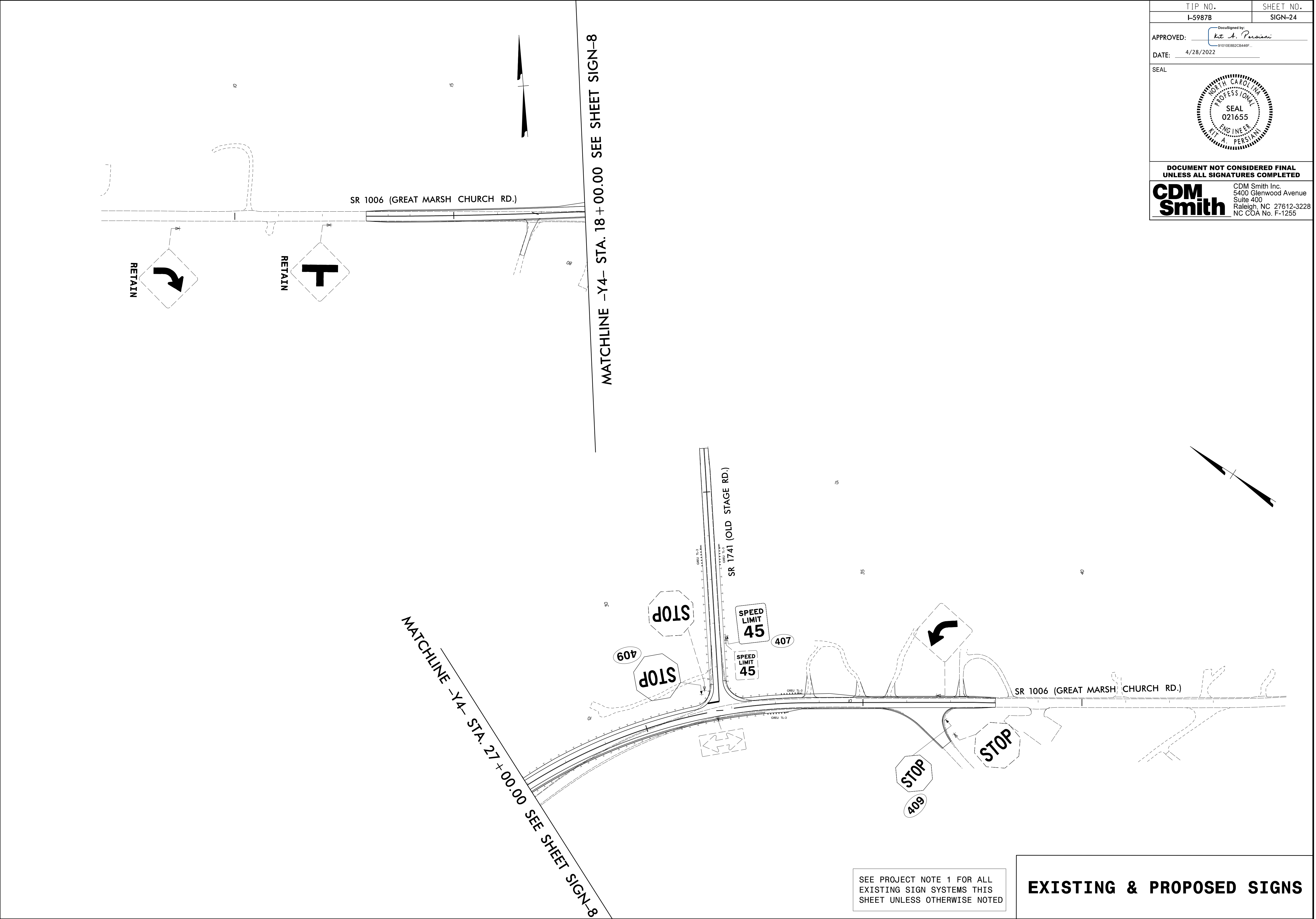
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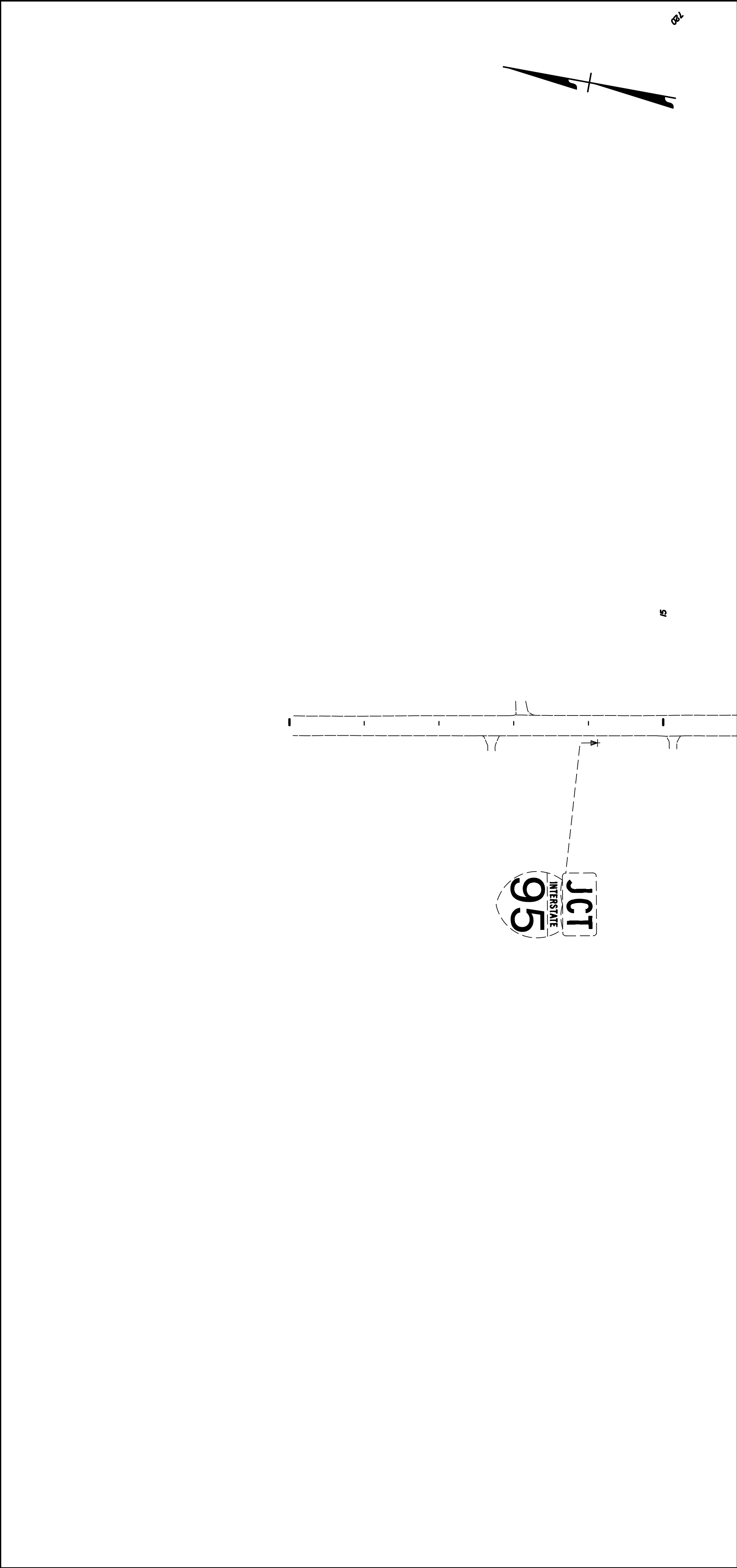


TIP NO. I-5987B	SHEET NO. SIGN-23
APPROVED: <i>Kit A. Persiani</i> DocuSigned by: 91010E8B2CB446F...	
DATE: 4/28/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
CDM Smith	CDM Smith Inc. 5400 Glenwood Avenue Suite 400 Raleigh, NC 27612-3228 NC COA No. F-1255

SEE PROJECT NOTE 1 FOR ALL
EXISTING SIGN SYSTEMS THIS
SHEET UNLESS OTHERWISE NOTED

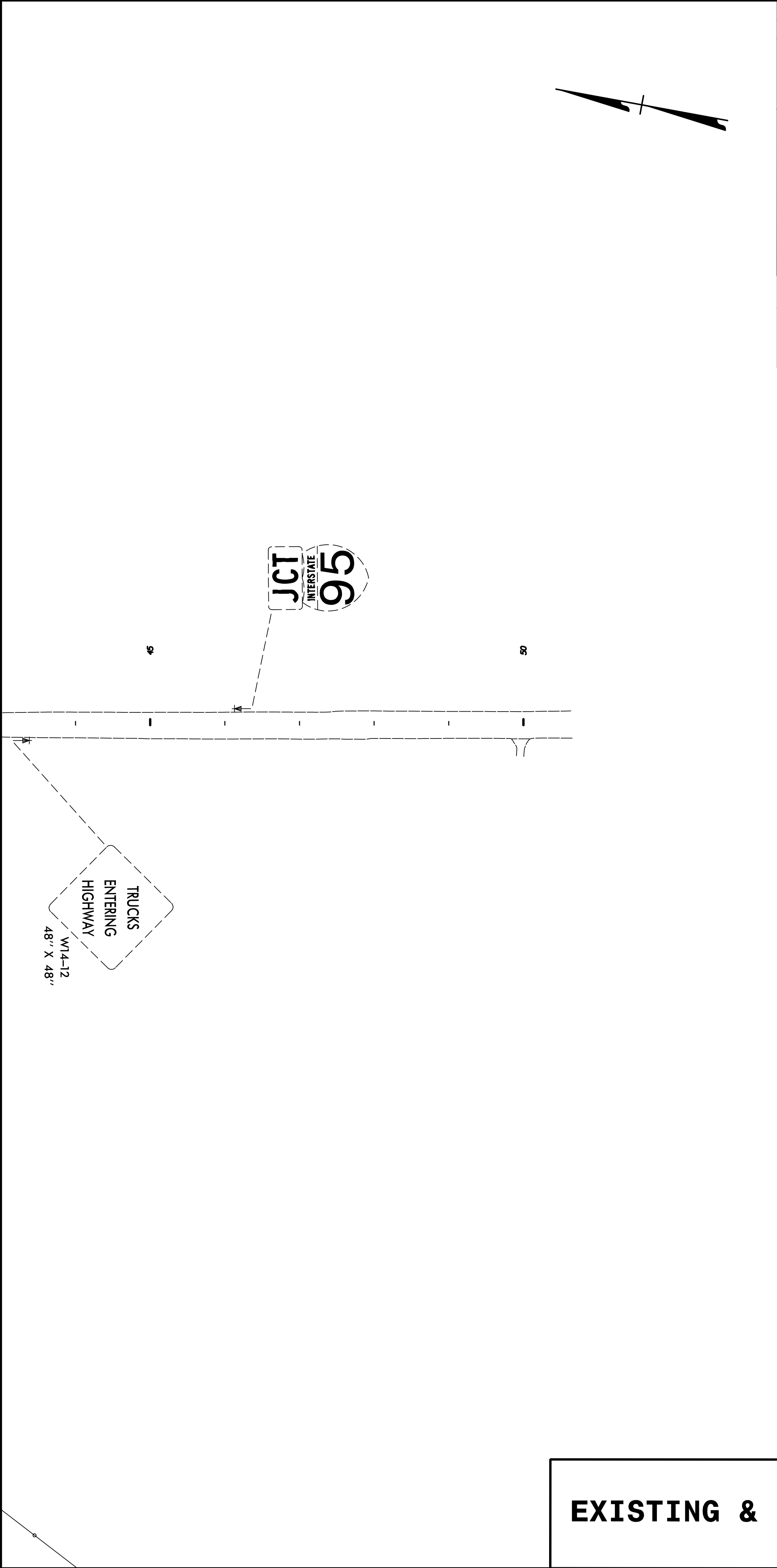
EXISTING & PROPOSED SIGNS





MATCHLINE –Y1B– STA. 16 + 00.00 SEE SHEETS NO. SIGN-14A & SIGN-14B

MATCHLINE –Y1B– STA. 43 + 00.00 SEE SHEETS NO. SIGN-14A & SIGN-14B



EXISTING & PROPOSED SIGNS

TIP NO.	SHEET NO.
I-5987B	SIGN-26

DocuSigned by:
Clinton T. Register
8DAF96C8B42E4F8...

APPROVED:

DATE: 4/28/2022

SEAL

TGS

ENGINEERS

706 HILLSBOROUGH STREET
(SUITE 200)
RALEIGH, NC 27603
PH: (919) 773-8887
CORP. LICENSE NO.: C-0275

SEAL

028392

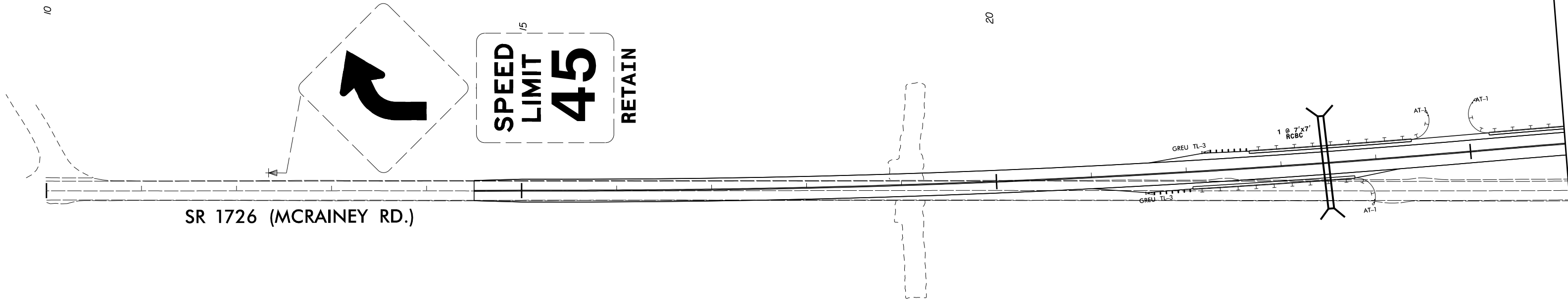
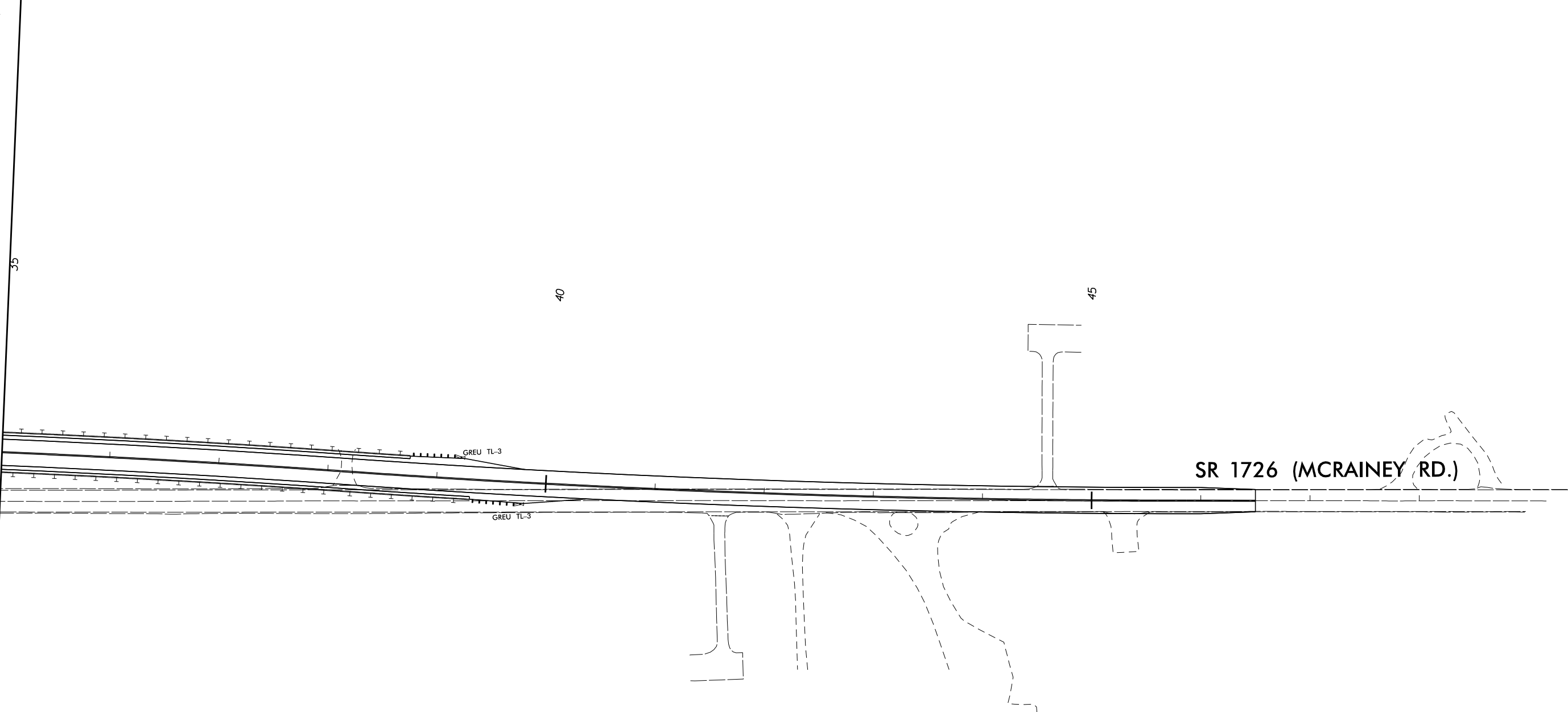
ENGINEER

CLYTON T. REGISTER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

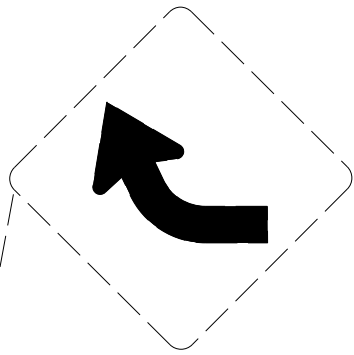
03/29/22
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User:FPERSIANIK

MATCHLINE -Y6- STA. 35 + 00.00 SEE SHEET SIGN-17



SR 1726 (MCRAINEY RD.)

SPEED
LIMIT
45
RETAIN



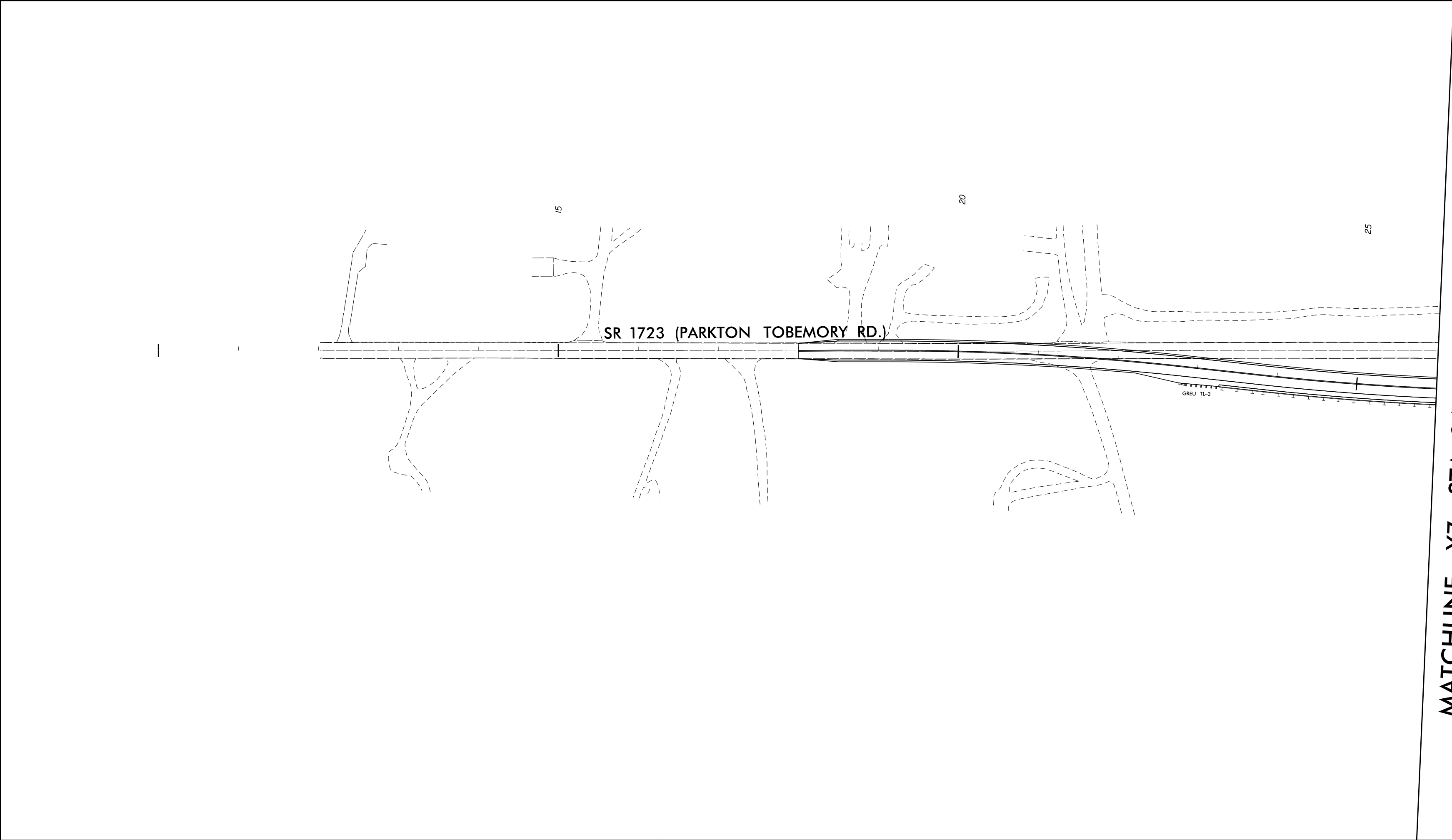
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EXISTING & PROPOSED SIGNS

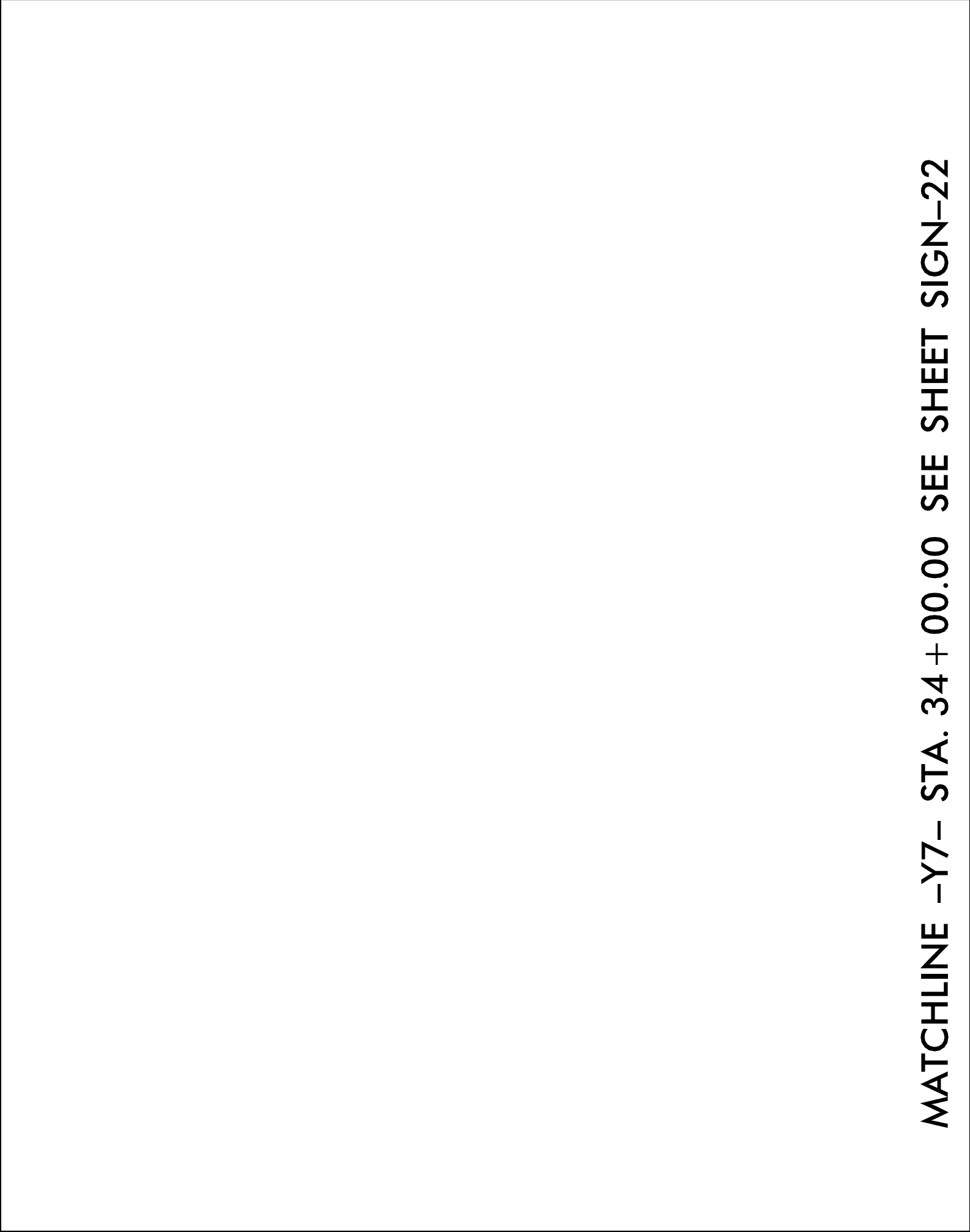
SEE PROJECT NOTE 1 FOR ALL
EXISTING SIGN SYSTEMS THIS
SHEET UNLESS OTHERWISE NOTED

TIP NO. I-5987B	SHEET NO. SIGN-27
APPROVED: <i>Kit A. Persiani</i> 91010E8B2CB446F...	
DATE: 4/28/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
CDM Smith	CDM Smith Inc. 5400 Glenwood Avenue Suite 400 Raleigh, NC 27612-3228 NC COA No. F-1255

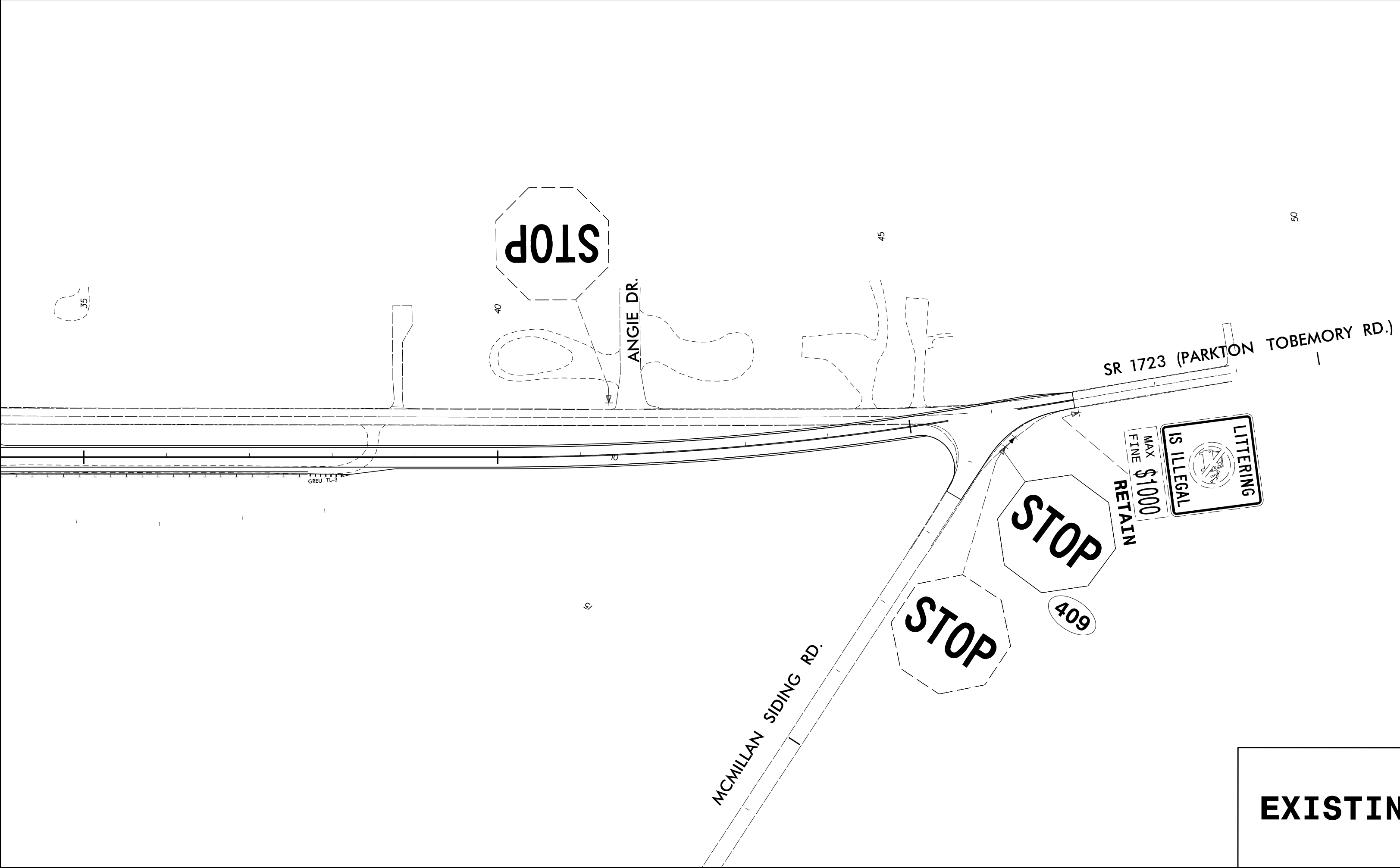
03/29/22
p:\gis\cdm\smith-az02-pw.bentley.com\pw_pl\Documents\117240\258788\10 Transportation\04 Client Folder- Structure\I-5987B\Traffic\Signing\CADD\I-5987B-sign-28.dgn
User:FPERSIANIK



MATCHLINE -Y7- STA. 26 + 00.00 SEE SHEET SIGN-22



MATCHLINE -Y7- STA. 34 + 00.00 SEE SHEET SIGN-22



SEE PROJECT NOTE 1 FOR ALL
EXISTING SIGN SYSTEMS THIS
SHEET UNLESS OTHERWISE NOTED

EXISTING & PROPOSED SIGNS

TIP NO.	SHEET NO.
I-5987B	SIGN-28
APPROVED: <i>Kit A. Persiani</i>	
DATE: 4/28/2022	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
CDM Smith	CDM Smith Inc. 5400 Glenwood Avenue Suite 400 Raleigh, NC 27612-3228 NC COA No. F-1255

7/11/2022 8:50:58 AM C:\Users\jldavis\OneDrive\Documents\Projects\2022\I-95\I-95-5987B.dgn

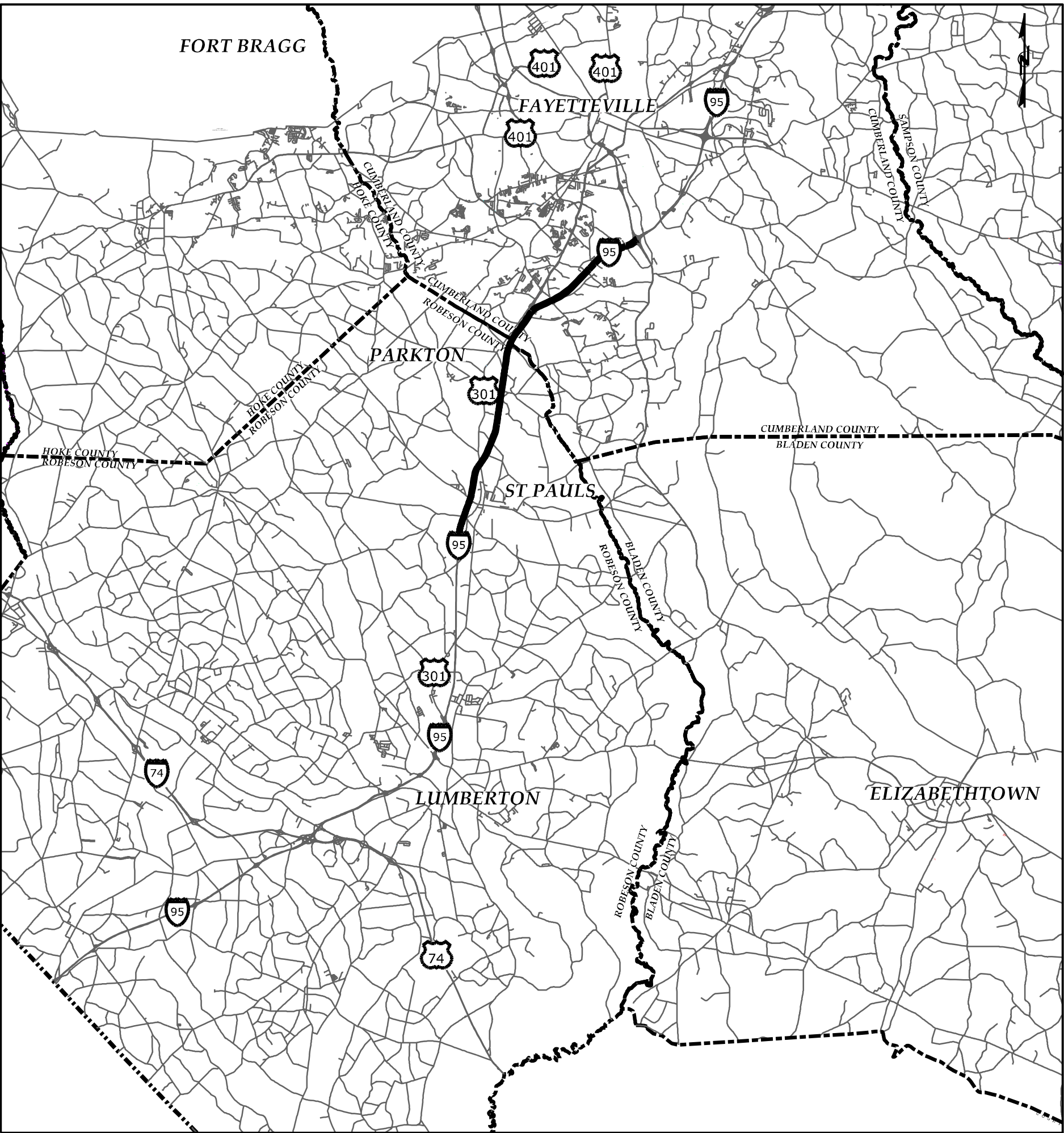
CONTRACT:

TIP PROJECT: I-5987B

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
I-95 INTEGRATED CORRIDOR MANAGEMENT SYSTEM

TYPE OF WORK: INSTALLATION OF STATIC AND CHANGEABLE TRAILBLAZER SIGNS

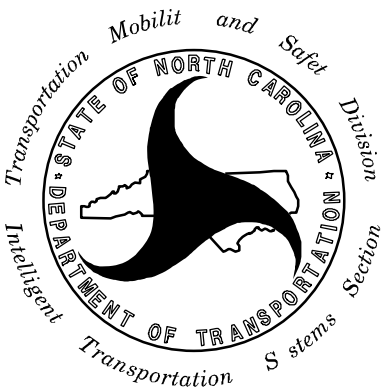


STATE	CITY PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5987B	Sign-29	16
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

2018 STANDARD SPECIFICATIONS

LETTING DATE:

PROJECT LENGTH = N/A



750 Greenfield Pkwy., Garner, NC 27529
NCDOT CONTACTS:
TRANSPORTATION SAFETY AND MOBILITY
TRAFFIC SYSTEMS OPERATIONS SECTION
DOMINIC CIARAMITARO, P.E. - STATE TRAFFIC OPERATIONS ENGINEER

PLANS PREPARED BY:



NC License #C-4445
304-F W. Millbrook Rd
Raleigh, NC 27609
Tel: (919) 984-5426
Fax: (919) 677-2050

EXULT CONTACTS:

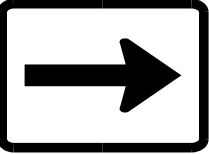
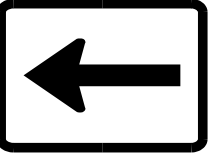
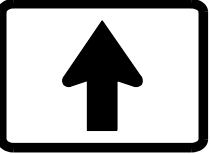
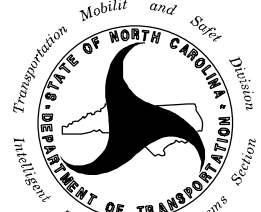
COLE DAGERHARDT, P.E. - PROJECT MANAGER
ELIZABETH LYNCH, P.E. - PROJECT ENGINEER



DocuSigned by:
Elizabeth Lynch
SIGNATURE

7/11/2022
DATE

7/11/2022
\\Egnyte\drive\exult\engineering\Shored\0 Projects\0005005 I-6064 ICM\0 CAD\Trailblazer Design\CAD\I-5987B\NCM.Trailblazer_bsh.02.SignQuantities.dgn

401 QUANTITY REQ'D 10  M1-1 24" X 24" BACKGROUND COLOR: BLUE COPY COLOR: WHITE ONE "U" POST PER SIGN	402 QUANTITY REQ'D 2  M6-1 21" X 15" BACKGROUND COLOR: BLUE COPY COLOR: WHITE MOUNTED BELOW SIGN #401	403 QUANTITY REQ'D 4  M6-1 L 21" X 15" BACKGROUND COLOR: BLUE COPY COLOR: WHITE MOUNTED BELOW SIGN #401	404 QUANTITY REQ'D 2  M6-3 21" X 15" BACKGROUND COLOR: BLUE COPY COLOR: WHITE MOUNTED BELOW SIGN #401	405 QUANTITY REQ'D 5 TO M4-5 24" X 12" BACKGROUND COLOR: BLUE COPY COLOR: WHITE MOUNTED ABOVE SIGN #406	406 QUANTITY REQ'D 8 SOUTH M3-3 24" X 12" BACKGROUND COLOR: BLUE COPY COLOR: WHITE MOUNTED ABOVE SIGN #401	<table><tr><td>PROJECT REFERENCE NO.</td><td>SHEET NO.</td></tr><tr><td>I-5987B</td><td>Sign-30</td></tr></table> 407 QUANTITY REQ'D 2 NORTH M3-1 24" X 12" BACKGROUND COLOR: BLUE COPY COLOR: WHITE MOUNTED ABOVE SIGN #401	PROJECT REFERENCE NO.	SHEET NO.	I-5987B	Sign-30																									
PROJECT REFERENCE NO.	SHEET NO.																																		
I-5987B	Sign-30																																		
					TYPE 'F' SIGNS																														
				 NC License #C-4445 304-F W. Millbrook Rd Raleigh, NC 27609 Tel: (984) 500-5426	Plans Prepared For:  750 N. Greenfield Place, Garner, NC 27529 SCALE 0	I-5987B INTEGRATED CORRIDOR MANAGEMENT SYSTEM SIGN QUANTITIES SHEET <table><tr><td colspan="2">DIVISION 06</td><td colspan="2">ROBESON/CUMBERLAND COUNTY</td></tr><tr><td>PLAN DATE:</td><td>JULY 2022</td><td>REVIEWED BY:</td><td>E. LYNCH</td></tr><tr><td>PREPARED BY:</td><td>C. WONG/T. BLANG</td><td>REVIEWED BY:</td><td>C. DAGERHARDT</td></tr><tr><td>REVISIONS</td><td>INIT.</td><td>DATE</td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	DIVISION 06		ROBESON/CUMBERLAND COUNTY		PLAN DATE:	JULY 2022	REVIEWED BY:	E. LYNCH	PREPARED BY:	C. WONG/T. BLANG	REVIEWED BY:	C. DAGERHARDT	REVISIONS	INIT.	DATE														SEAL  ELIZABETH W. LYNCH ENGINEER SEAL 037444 DocuSigned by: Elizabeth W. Lynch 11/2022 SIGNATURE DATE CADD Filename:
DIVISION 06		ROBESON/CUMBERLAND COUNTY																																	
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PREPARED BY:	C. WONG/T. BLANG	REVIEWED BY:	C. DAGERHARDT																																
REVISIONS	INIT.	DATE																																	

PROJECT REFERENCE NO.	SHEET NO.
I-5987B	Sign-31

SIGN NUMBER: 408 TYPE: D QUANTITY: 5 SIGN WIDTH: 2'-6" HEIGHT: 1'-6" TOTAL AREA: 3.8 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.5" WIDTH: 0.75" RADII: 1.38" NO. Z BARS: LENGTH: BACKG COLOR: Yellow COPY COLOR: Black <table><tr><th>SYMBOL</th><th>X</th><th>Y</th><th>WID</th><th>HT</th></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table> MAT'L: 0.063" (1.6 mm) ALUMINUM 0.080" (2.0 mm) ALUMINUM 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT																																				DESIGN BY: EWL PROJECT ID: I-5987B CHECKED BY: LOCATION: JULY 6, 2022 DIV: 6																																																																																																																																																																																																																																																																									
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LETTER POSITIONS <table><tr><td colspan="28">Letter locations are panel edge to lower left corner</td><td colspan="2">Series/Size Text Length</td></tr><tr><td>A</td><td>L</td><td>T</td><td>E</td><td>R</td><td>N</td><td>A</td><td>T</td><td>E</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>B 2000</td></tr><tr><td>2.5</td><td>6</td><td>8.4</td><td>11</td><td>13.6</td><td>16.5</td><td>19.3</td><td>22.7</td><td>25.2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>25</td></tr><tr><td>R</td><td>O</td><td>U</td><td>T</td><td>E</td><td>T</td><td>O</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>B 2000</td></tr><tr><td>2.5</td><td>5.7</td><td>9.2</td><td>12.4</td><td>15.3</td><td>22</td><td>24.7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>25</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> FILENAME: I-5987B_ICM_Trailblazer_psh_05A_SignDetails NORTH CAROLINA D.O.T. SIGN DETAIL		Letter locations are panel edge to lower left corner																												Series/Size Text Length		A	L	T	E	R	N	A	T	E																					B 2000	2.5	6	8.4	11	13.6	16.5	19.3	22.7	25.2																					25	R	O	U	T	E	T	O																							B 2000	2.5	5.7	9.2	12.4	15.3	22	24.7																							25																																																																																																																																																											
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SIGN DESIGNS

7/11/2022
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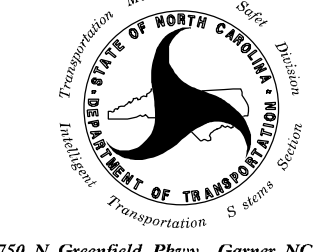
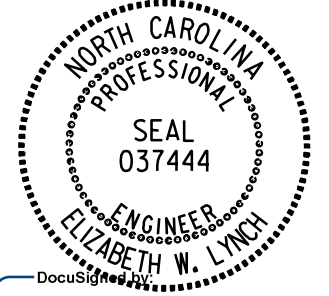
EXULT
ENGINEERING

NC License #C-4445

304-F W. Millbrook Rd

Raleigh, NC 27609

Tel: (984) 500-5426

Plans Prepared For:  750 N. Greenfield Place, Garner, NC 27529	I-5987B INTEGRATED CORRIDOR MANAGEMENT SYSTEM SIGN DETAILS SHEET	SEAL  ELIZABETH W. LYNCH
	DIVISION 06 ROBESON/CUMBERLAND COUNTY PLAN DATE: JULY 2022 REVIEWED BY: E. LYNCH PREPARED BY: C. WONG/T. BLANG REVIEWED BY: C. DAGERHARDT REVISIONS INIT. DATE	
SCALE 	SIGNATURE DATE CADD Filename:	

SIGN NUMBER: 409 TYPE: A QUANTITY: 1 SIGN WIDTH: 7'-6" HEIGHT: 9'-0" TOTAL AREA: 67.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADII: 12" NO. Z BARS: 3 LENGTH: 82.0 BACKG COLOR: Green COPY COLOR: White <table><tr><th>SYMBOL</th><th>X</th><th>Y</th><th>WID</th><th>HT</th></tr><tr><td>M1_1</td><td>33</td><td>34.3</td><td>24</td><td>24</td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table> MAT'L: 0.063" (1.6 mm) ALUMINUM 0.080" (2.0 mm) ALUMINUM 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	M1_1	33	34.3	24	24																															DESIGN BY: EWL PROJECT ID: I-5987B CHECKED BY: LOCATION: JULY 6, 2022 DIV: 6																																																																																																																																																																																																																																									
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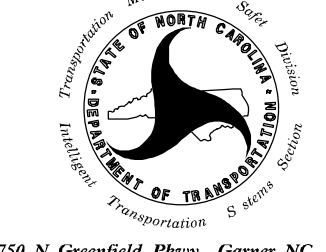
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NC License #C-4445

304-F W. Millbrook Rd

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Tel: (984) 500-5426

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	<table><tr><td>DIVISION 06</td><td>ROBESON/CUMBERLAND COUNTY</td></tr><tr><td>PLAN DATE: JULY 2022</td><td>REVIEWED BY: E. LYNCH</td></tr><tr><td>PREPARED BY: C. WONG/T. BLANG</td><td>REVIEWED BY: C. DAGERHARDT</td></tr><tr><td>REVISIONS</td><td>INIT. DATE</td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></table>	DIVISION 06	ROBESON/CUMBERLAND COUNTY	PLAN DATE: JULY 2022	REVIEWED BY: E. LYNCH	PREPARED BY: C. WONG/T. BLANG	REVIEWED BY: C. DAGERHARDT	REVISIONS	INIT. DATE							SCALE 
DIVISION 06	ROBESON/CUMBERLAND COUNTY															
PLAN DATE: JULY 2022	REVIEWED BY: E. LYNCH															
PREPARED BY: C. WONG/T. BLANG	REVIEWED BY: C. DAGERHARDT															
REVISIONS	INIT. DATE															

S:\S&B\Eastern\Andrew\Review Projects\I-5987+I-6064+U-2519 I-95 ICM Trailblazer (Lumberton Section)\Support Chart\I-95ICM_Trailblazer-Support_Chart.dgn 07/11/22 10:51:53 AM

PROJECT REFERENCE NO.
I - 5987B

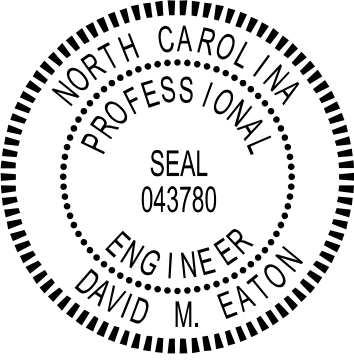
SHEET NO.
SIGN - 33

APPROVED:

DocuSigned by:
David M. Eaton
DDA1C5F247484F7...

DATE: **7/11/2022**

SEAL

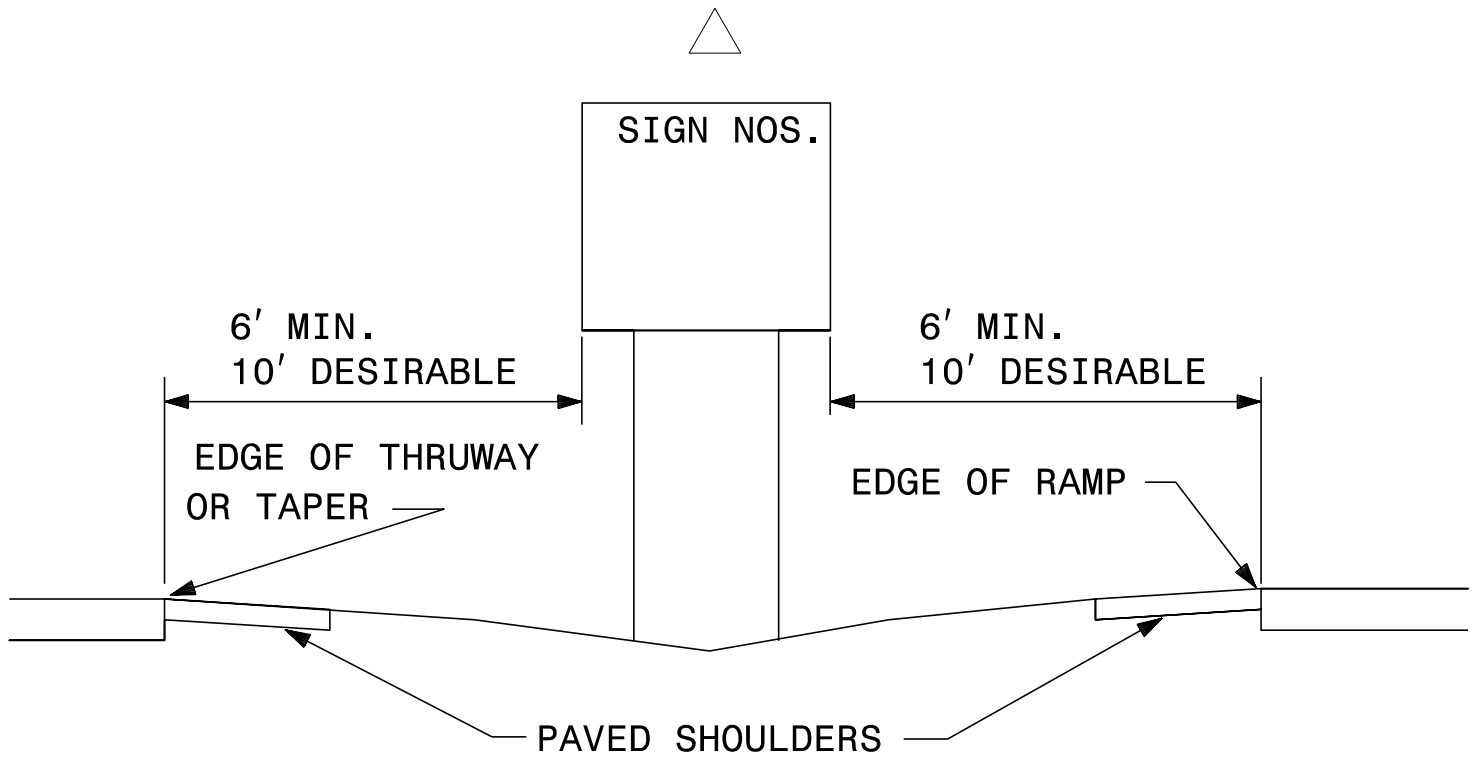
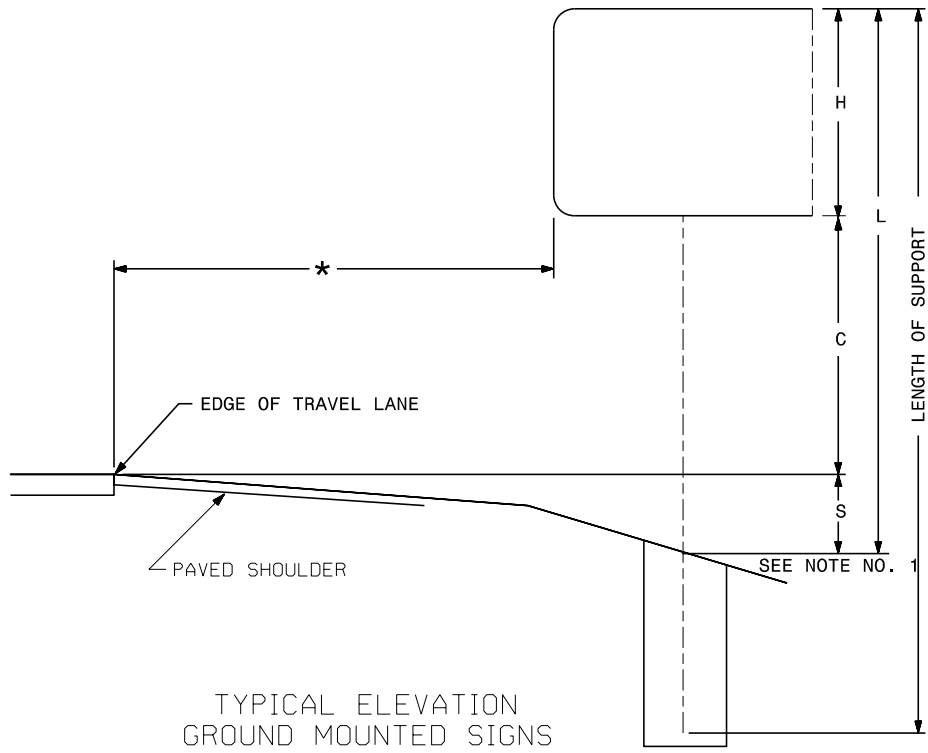


**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

SIGN					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)
NUMBER	TYPE	SIZE (in.)												SNS HT	MTG HT	EMB- MENT										B/A (lbs.)	SIMPLE (lbs.)	DIAMETER (ft.)	DEPTH (ft.)	REINFORCED (c.y.)	PLAIN (c.y.)	
		w	x	h																												
409	A	90	x	108	15+10.00	2	W6x9	BA	N/A	N/A	N/A	20.00	4.40	9.00	7.00	3.0	1.86	17.86	20.86	0.00	0.00	0.00	3.05	19.05	22.05	450.19	0	1.5	3.5	0.46	0.00	N/A
																								TOTAL 450.19	TOTAL 0.00			TOTAL 0.46	TOTAL 0.00			
USE:																								451.00	0.00			1.00	0.00			

NOTES

1. DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF TRAVEL LANE.
2. 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
3. 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.



**TYPE "A" AND TYPE "B"
GROUND MOUNTED SIGNS**

PROJECT REFERENCE NO.	SHEET NO.
I-5987B	Sign-34



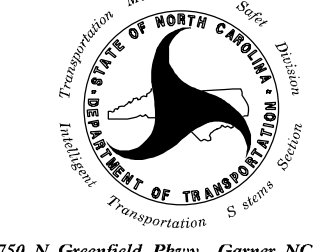
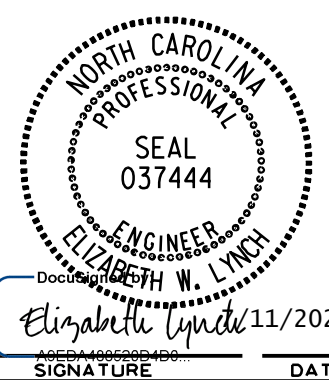
MATCHLINE, SEE SHEET Sign-35

7/11/2022
\\Egnyte01\drive\exult\engineering\Shored\0 Projects\0005005 I-6064 ICM\0 CAD\Trailblazer Design\CAD\I-5987B\NCM Trailblazer_psh_04A_keySheet.dgn

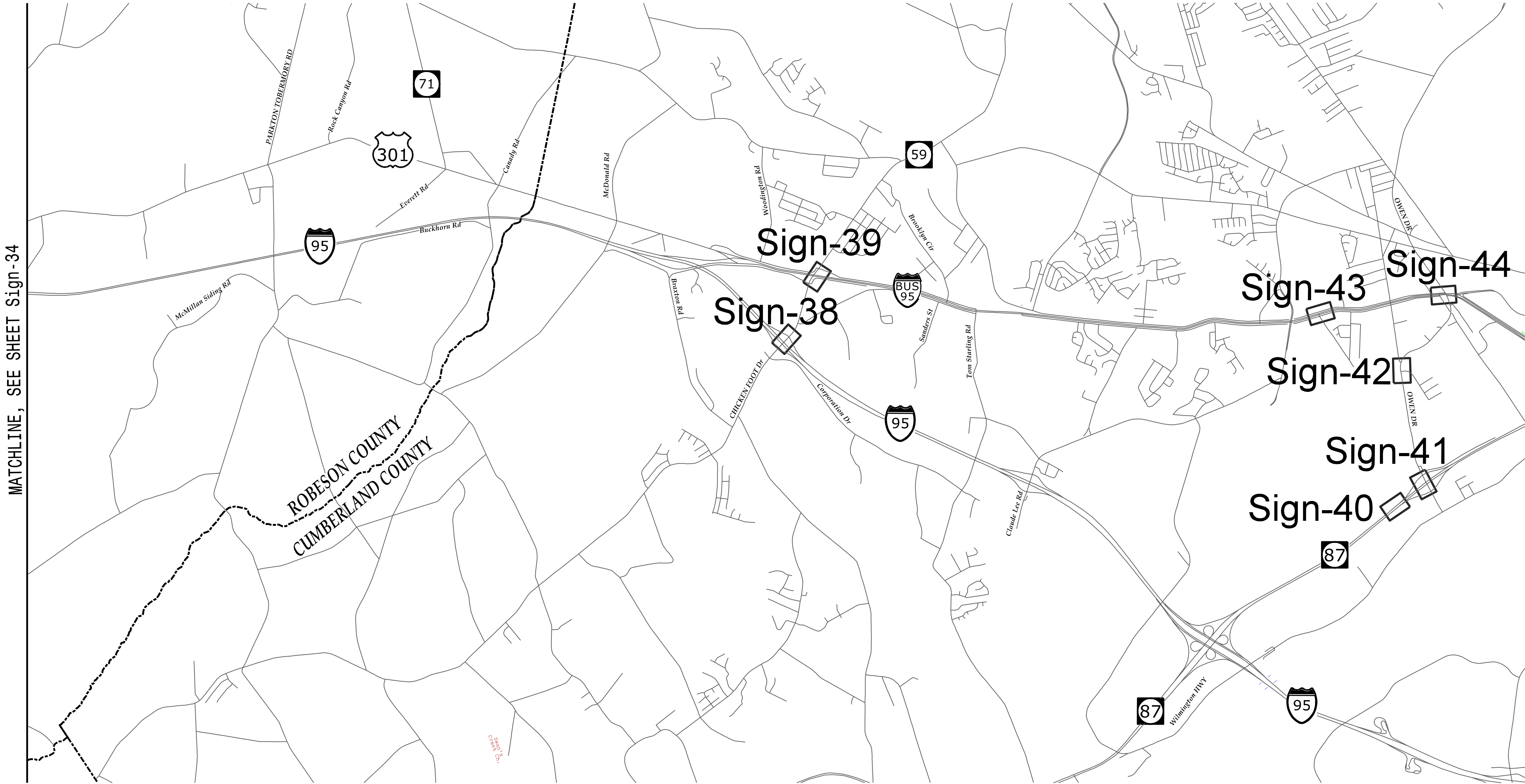


EXULT
ENGINEERING

NC License #C-4445
304-F W. Millbrook Rd
Raleigh, NC 27609
Tel: (984) 500-5426

Plans Prepared For:  750 N. Greenfield Place, Garner, NC 27529	I-5987B INTEGRATED CORRIDOR MANAGEMENT SYSTEM KEY SHEET A		SEAL	
	DIVISION 06 ROBESON/CUMBERLAND COUNTY		 ELIZABETH W. LYNCH ENGINEER 037444 11/2022	
	PLAN DATE: JULY 2022	REVIEWED BY: E. LYNCH		
	PREPARED BY: C. WONG/T. BLANG	REVIEWED BY: C. DAGERHARDT		
	REVISIONS			
		INIT.	DATE	
CADD Filename:				

PROJECT REFERENCE NO.	SHEET NO.
I-5987B	Sign-35

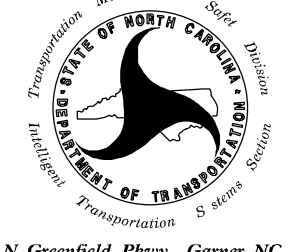


7/11/2022
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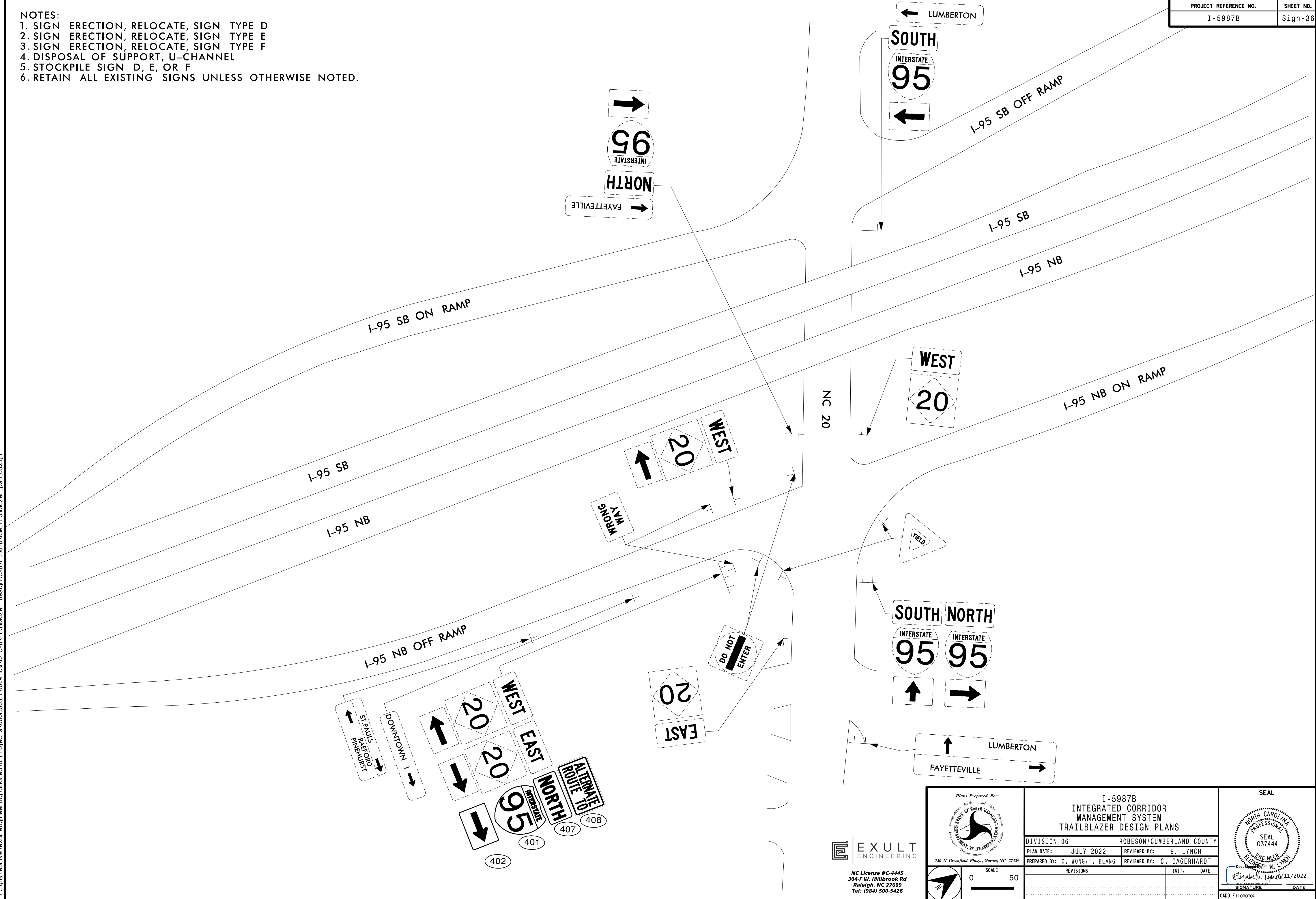
NC License #C-4445
304-F W. Millbrook Rd
Raleigh, NC 27609
Tel: (984) 500-5426

Plans Prepared For:  750 N. Greenfield Pkwy., Garner, NC 27529	I-5987B INTEGRATED CORRIDOR MANAGEMENT SYSTEM KEY SHEET B		SEAL  ELIZABETH W. LYNCH ENGINEER 037444 11/2022
	DIVISION 06 ROBESON/CUMBERLAND COUNTY		
	PLAN DATE: JULY 2022	REVIEWED BY: E. LYNCH	
	PREPARED BY: C. WONG/T. BLANG	REVIEWED BY: C. DAGERHARDT	
	REVISIONS		
	INIT.	DATE	

7/11/2022
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- NOTES:
1. SIGN ERECTION, RELOCATE, SIGN TYPE D
2. SIGN ERECTION, RELOCATE, SIGN TYPE E
3. SIGN ERECTION, RELOCATE, SIGN TYPE F
4. DISPOSAL OF SUPPORT, U-CHANNEL
5. STOCKPILE SIGN D, E, OR F
6. RETAIN ALL EXISTING SIGNS UNLESS OTHERWISE NOTED.

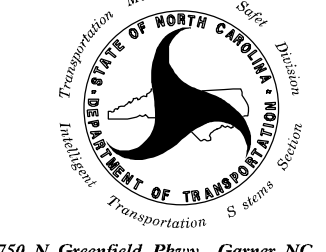
PROJECT REFERENCE NO.	SHEET NO.
I-5987B	Sign-36



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ENGINEERING

NC License #C-4445
304-F W. Millbrook Rd
Raleigh, NC 27609
Tel: (984) 500-5426

Plans Prepared For:

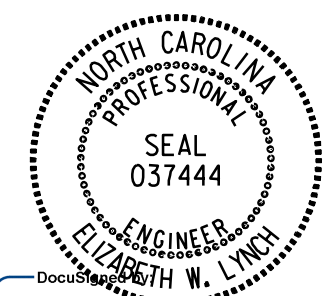


750 N. Greenfield Place, Garner, NC 27529

I-5987B
INTEGRATED CORRIDOR
MANAGEMENT SYSTEM
TRAILBLAZER DESIGN PLANS

DIVISION 06	ROBESON/CUMBERLAND COUNTY
PLAN DATE: JULY 2022	REVIEWED BY: E. LYNCH
PREPARED BY: C. WONG/T. BLANG	REVIEWED BY: C. DAGERHARDT
REVISIONS	INIT. DATE

SEAL



ELIZABETH W. LYNCH
ENGINEER
11/2022

SIGNATURE DATE

CADD Filename: