

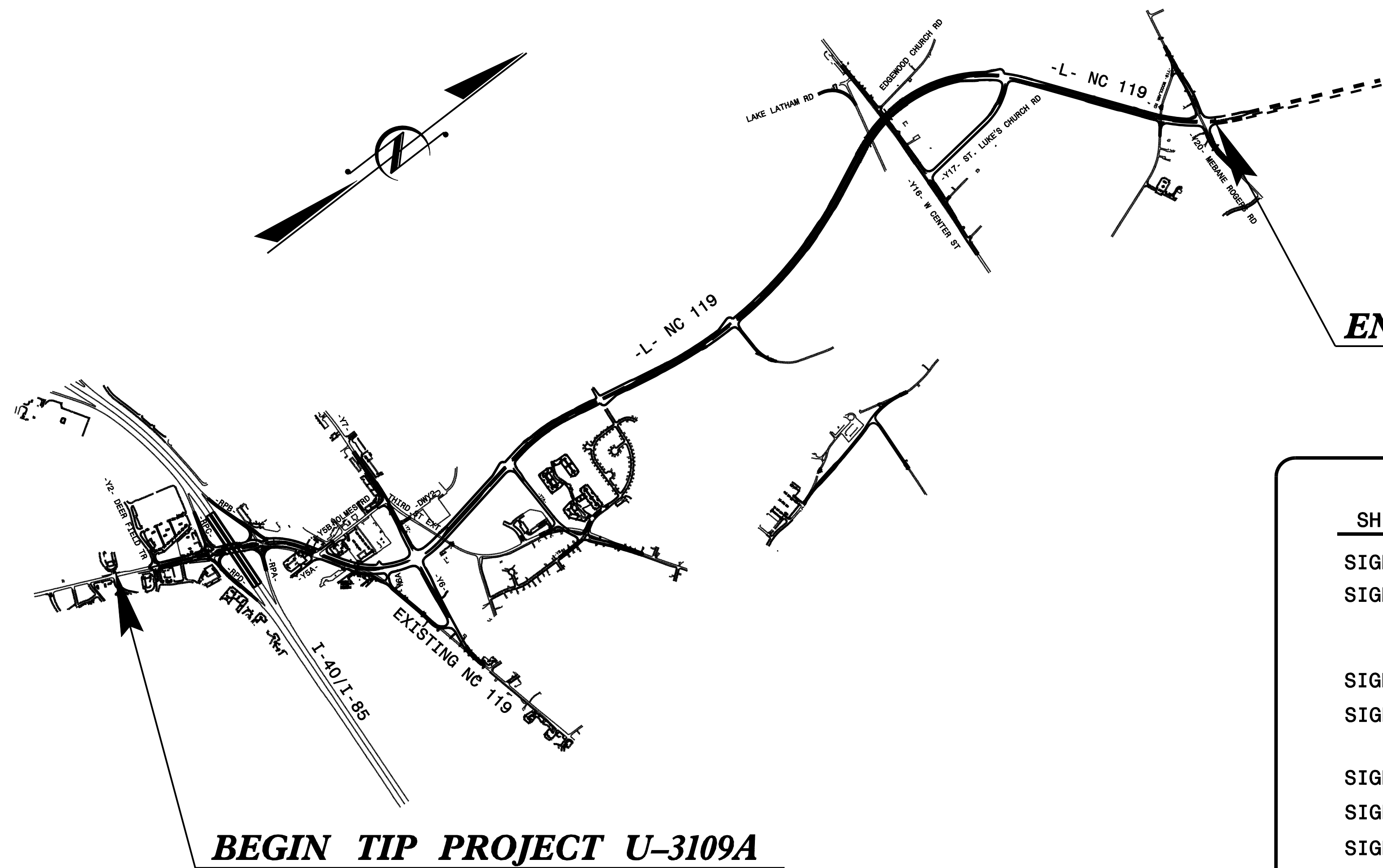
CONTRACT: C203844 T.I.P.: U-3109A

TIP NO. U-3109A	SHEET NO. SIGN-1A
--------------------	----------------------

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
ALAMANCE COUNTY**

LOCATION: NC 119 RELOCATION FROM I-40/I-85 TO NORTH OF SR 1921 (MEBANE ROGERS RD)

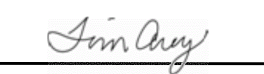


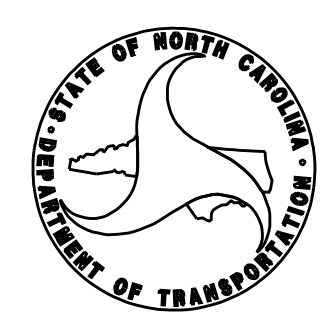
END TIP PROJECT U-3109A

BEGIN TIP PROJECT U-3109A

INDEX

SHEET NO.	DESCRIPTION
SIGN-1A	TITLE SHEET
SIGN-1B	SUMMARY OF QUANTITIES, ROADWAY STANDARDS, NOTES, AND SIGN NUMBERING
SIGN-2A	SUPPORT INFORMATION
SIGN-2B THRU SIGN-2C	REVISED ROADWAY STANDARD DRAWING 903D10
SIGN-3A	TYPE E SIGNS
SIGN-3B	TYPE F SIGNS
SIGN-4A THRU 4D	SIGN DESIGNS
SIGN-5A THRU 5F	PROPOSED STRUCTURE LINE ASSEMBLIES
SIGN-6A THRU 6G	SIGNING PLAN SHEETS

APPROVED BY: 
DATE: 2/28/2017

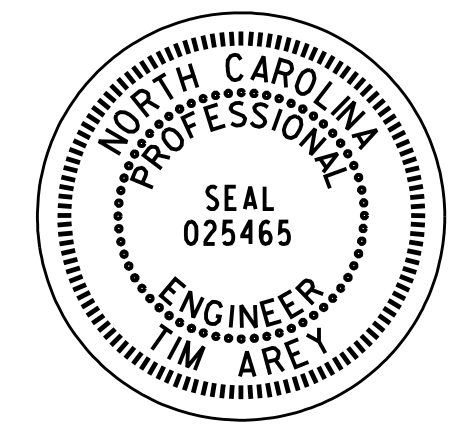
PLAN REVIEWED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT		
Renee Roach, PE, CPM	SIGNING & DELINEATION REGIONAL ENGINEER	
Stacey Johns	SIGNING & DELINEATION PROJECT DESIGN ENGINEER	

PLAN PREPARED BY:	
Tim Arey, PE	PROJECT ENGINEER
Susan Kunz	SIGNING PROJECT MANAGER
Larry Ashley	SIGNING DESIGN ENGINEER

Prepared in the Office of:

**PROGRESSIVE
DESIGN GROUP, INC.**

ENGINEERS • CONSULTANTS



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
- . 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.

PROJECT NOTES

- 1 DISPOSE OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSE OF SIGN SYSTEM, STEEL BEAM
- 3 DISPOSE OF SUPPORT, STEEL BEAM
- 4 RELOCATE SIGN TYPE A (GROUND MOUNTED)

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 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
901.10	TYPE 'A' SIGNS
901.50	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 (SHEET 3 OF 3)
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
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.		
4054000000	902	1	C.Y.
4057000000	SP	73	C.Y.
4060000000	903	1,294	LB.
4072000000	903	2,753	L.F.
4082100000	SP	1	L.S.
4082100000	SP	1	L.S.
4082100000	SP	1	L.S.
4082100000	SP	1	L.S.
4082100000	SP	1	L.S.
4082100000	SP	1	L.S.
4096000000	904	4	EA.
4102000000	904	107	EA.
4108000000	904	42	EA.
4110000000	904	2	EA.
4116100000	904	3	EA.
4138000000	907	3	EA.
4152000000	907	2	EA.
4155000000	907	45	EA.

SIGN NUMBERING

NEW SIGNS

OVERHEAD SIGNS	1 - 11
EXIT GORE SIGNS	200 SERIES
TYPE D SIGNS	300 SERIES
TYPE E SIGNS	400 SERIES
TYPE F SIGNS	500 SERIES

EXISTING SIGNS

GROUND MOUNTED SIGNS RELOCATED TO NEW SUPPORTS 900 SERIES

	APPROVED: <i>Tim Arby</i> DATE: 2/28/2017	SIGNING PLAN

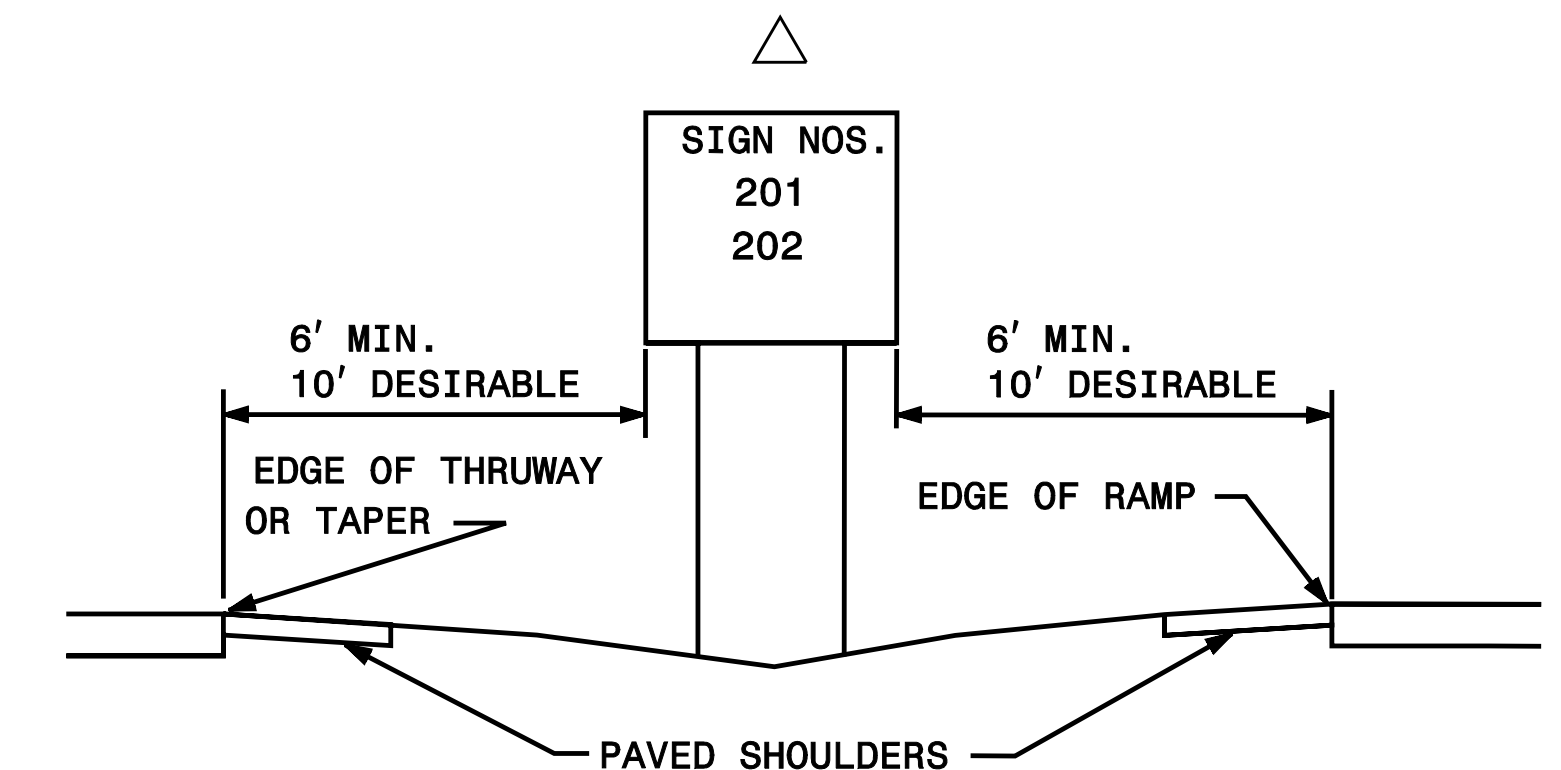
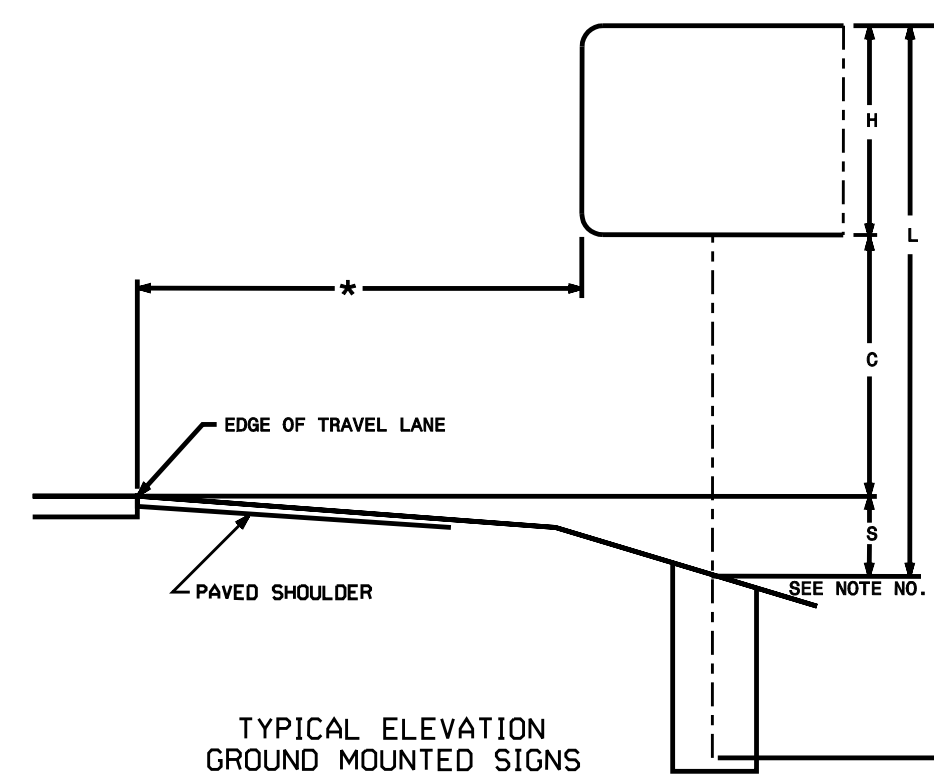
Version: 3.0

Posted: 6/13/2016

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)								
		SNS HT	MTG HT	EMBED- MENT										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"																																					
201	A	96	x	60	7+00 RP A	2	S3x5.7	BA	N/A	N/A	N/A	Δ	4.69	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	96	x	60	10+00 RP C	2	S3x5.7	BA	N/A	N/A	N/A	Δ	4.69	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									
901	A	90	x	72	13+00 RP C (RT)	2	S4x7.7	BA	N/A	N/A	N/A	18.00	4.40	6.00	7.00	3.0	1.80	14.80	17.80	0.00	0.00	0.00	2.54	15.54	18.54	319.82	0	1.0	3.5	0.00	0.20									
902	A	90	x	72	13+00 RP C (LT)	2	S3x5.7	BA	N/A	N/A	N/A	18.00	4.40	6.00	7.00	3.0	0.14	13.14	16.14	0.00	0.00	0.00	1.13	14.13	17.13	225.64	0	1.0	3.5	0.00	0.20									
903	A	90	x	84	14+50 RP C	2	S4x7.7	BA	N/A	N/A	N/A	18.00	4.40	7.00	7.00	3.0	1.72	15.72	18.72	0.00	0.00	0.00	2.46	16.46	19.46	333.99	0	1.0	3.5	0.00	0.20									
																							TOTAL	1293.44	TOTAL	0.00	TOTAL	0.00	TOTAL	0.96										
																							USE:	1294.00	0.00	0.00	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.



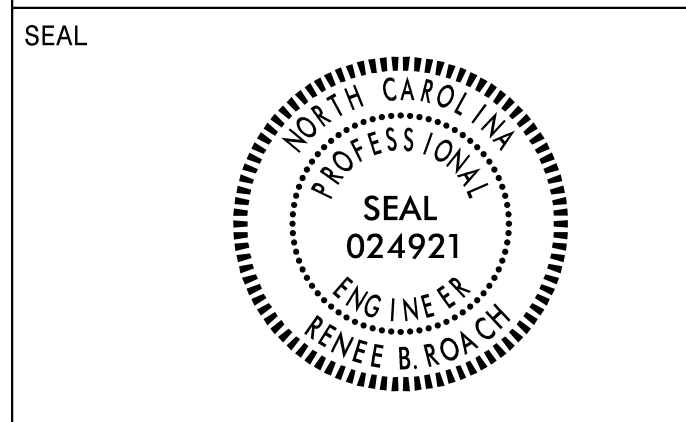
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROGRESSIVE
DESIGN GROUP, INC.
ENGINEERS • CONSULTANTS

APPROVED: *Tom Arvey* DATE: 2/28/2017

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
TIM ARVEY
SEAL 025465

SIGNING PLAN
TYPE "A" AND TYPE "B"
GROUND MOUNTED SIGNS

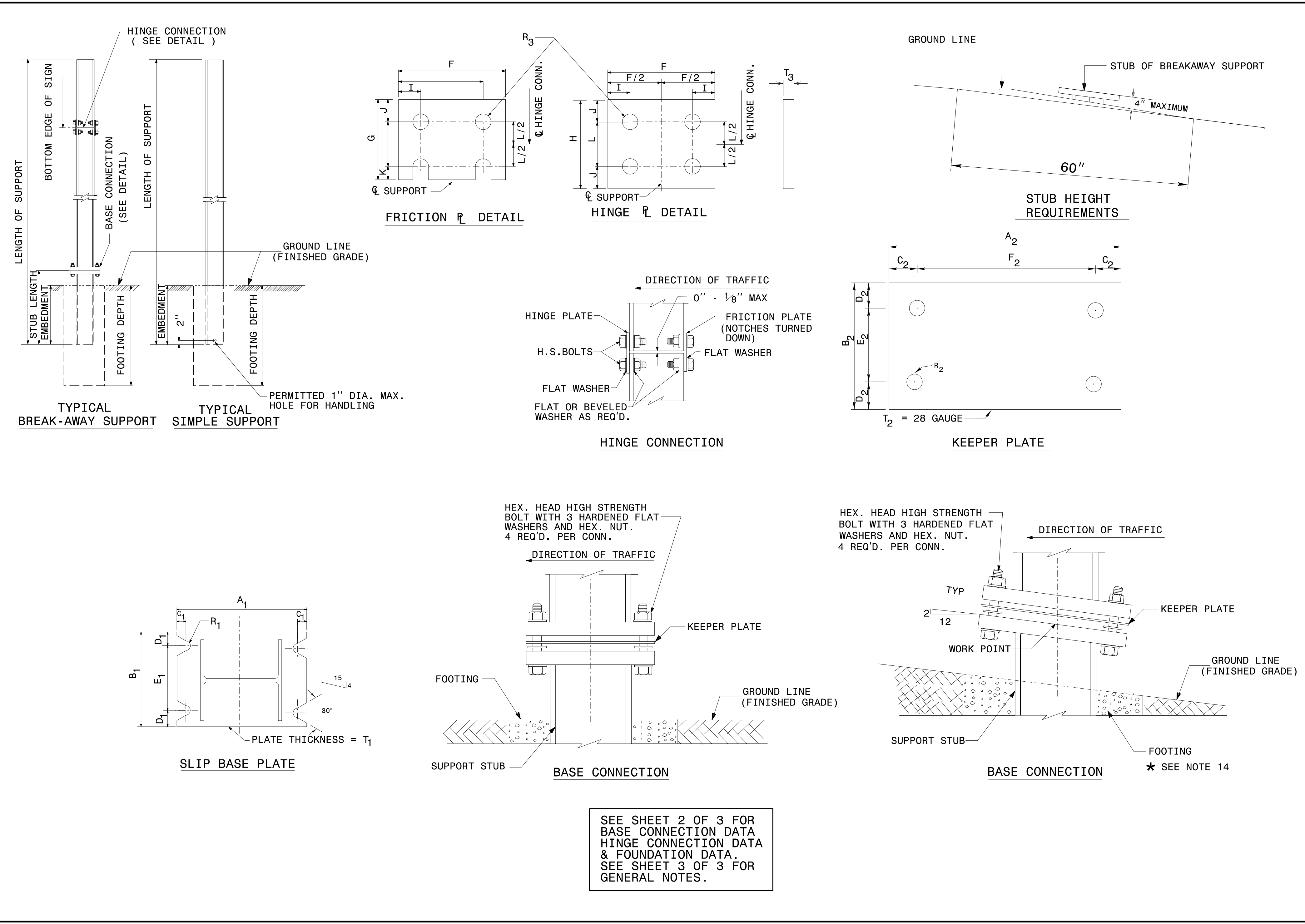


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

ENGLISH STANDARD DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 1 OF 3
903D10



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

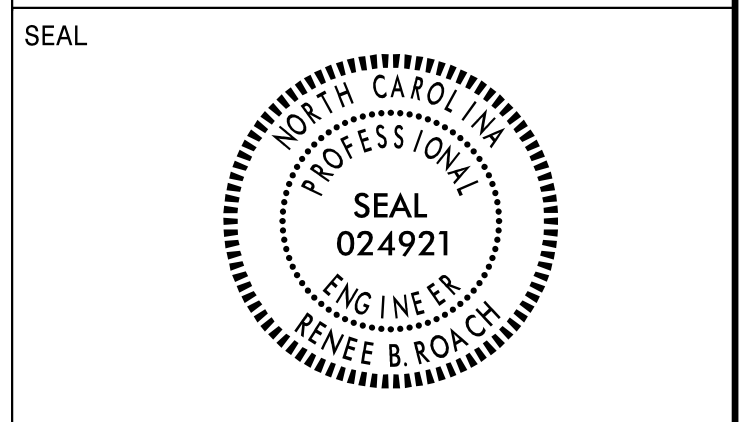
ENGLISH STANDARD DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 1 OF 3
903D10

**REVISED SIGNING
 ROADWAY STANDARD DRAWING**

3/1/2017 P:\TIP\Projects-U\U3109A\Traffic\Signing\CADD\Signing_Layout_Plans\U-3109A_SIGN-2B.dgn
 Jseris:rbns

APPROVED: *Renee B. Roach*
DocuSigned by:
 Renee B. Roach
 B30C667CF48400...
 DATE: 3/2/2017

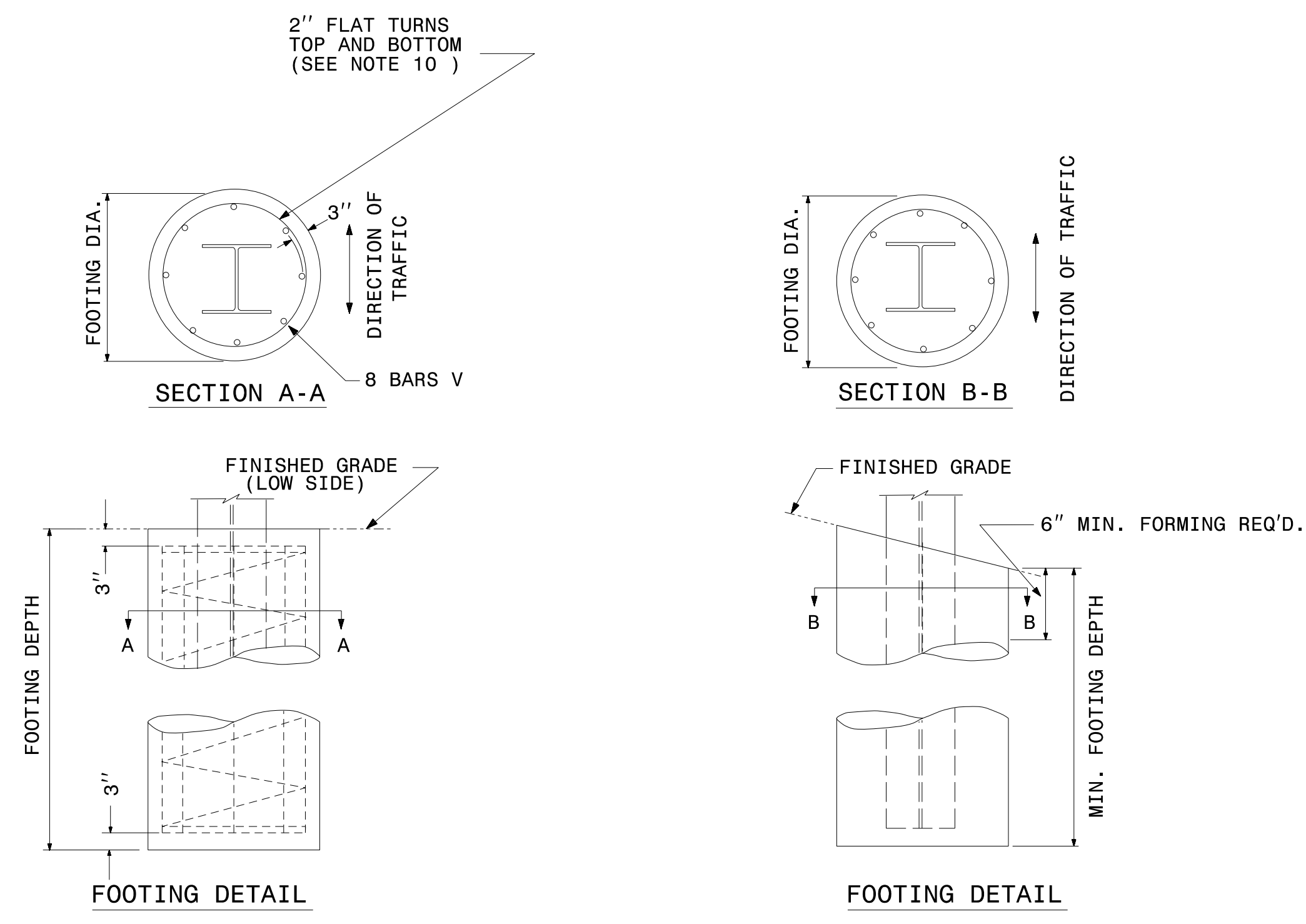


DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

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

ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

BEAM SHAPE	BOLT SIZE	SLIP BASE PLATE DATA							KEEPER PLATE DATA							HINGE CONNECTION DATA							BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.			
		A ₁	B ₁	C ₁	D ₁	E ₁	T ₁	R ₁	A ₂	B ₂	C ₂	D ₂	E ₂	R ₂	T ₂	BOLT SIZE	F	G	H	I	J	K		L	R ₃	T ₃
S3X5.7	1/2" DIA. X 3 1/4"	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 1/4"	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 1/4"	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"	11/32"	11"	5"	1 1/4"	7/8"	3 1/4"	11/32"	28 GAUGE	5/8" DIA. X 2"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	11/32"	3/8"	39
W6X16	5/8" DIA. X 4 1/2"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	11/32"	12"	6"	1 1/4"	7/8"	4 1/4"	11/32"	28 GAUGE	5/8" DIA. X 2 1/4"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	11/32"	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"	11/32"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	11/32"	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"	11/32"	1/2"	70
W8X21	3/4" DIA. X 4 1/2"	14"	7"	1 1/2"	1"	5"	1 1/2"	13/32"	14"	7"	1 1/2"	1"	5"	13/32"	28 GAUGE	3/4" DIA. X 2 1/2"	5 1/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	1/2"	73
W10X22	3/4" DIA. X 4 1/2"	16"	8"	1 1/2"	1"	6"	1 1/2"	13/32"	16"	8"	1 1/2"	1"	6"	13/32"	28 GAUGE	3/4" DIA. X 2 1/2"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	1/2"	119
W10X26	3/4" DIA. X 5 1/2"	16 1/2"	8"	1 1/2"	1"	6"	1 3/4"	13/32"	16 1/2"	8"	1 1/2"	1"	6"	13/32"	28 GAUGE	3/4" DIA. X 2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	5/8"	140
W12X26	3/4" DIA. X 5 1/2"	18 1/2"	9"	1 1/2"	1"	7"	1 3/4"	13/32"	18 1/2"	9"	1 1/2"	1"	7"	13/32"	28 GAUGE	3/4" DIA. X 2 3/4"	6 1/2"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	5/8"	176
W14X30	1" DIA. X 6"	22"	9"	2"	1 1/2"	6"	2"	17/32"	22"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1" DIA. X 3"	6 3/4"	7"	8"	1 1/4"	2"	1"	4"	17/32"	5/8"	205
W16X31	1" DIA. X 6"	24"	9"	2"	1 1/2"	6"	2"	17/32"	24"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1" DIA. X 3"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	17/32"	3/4"	223
W18X35	1" DIA. X 6"	25"	9"	2"	1 1/2"	6"	2"	17/32"	25"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1" DIA. X 3"	6"	7"	8"	1 1/4"	2"	1"	4"	17/32"	3/4"	243
W18X40	1" DIA. X 6 1/2"	26"	9"	2"	1 1/2"	6"	2 1/4"	17/32"	26"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1" DIA. X 3 1/2"	6"	7"	8"	1 1/4"	2"	1"	4"	17/32"	7/8"	278
W21X44	1" DIA. X 7"	29"	9"	2"	1 1/2"	6"	2 1/2"	17/32"	29"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1" DIA. X 3 1/2"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	17/32"	7/8"	310



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


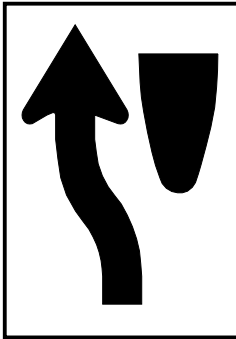
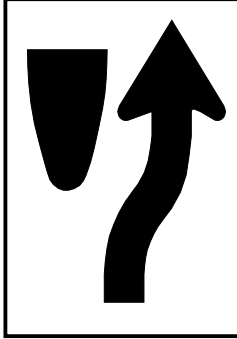
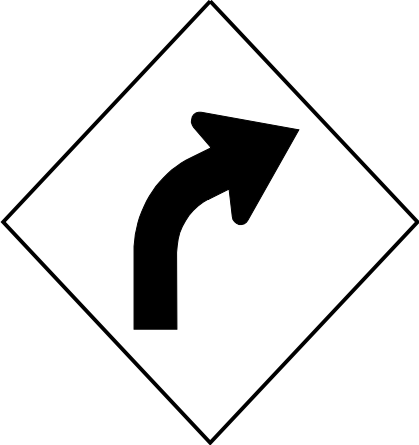
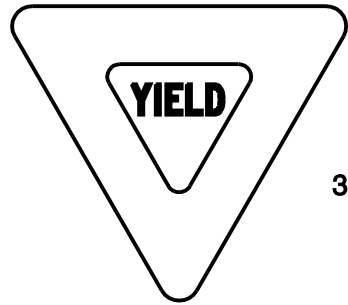
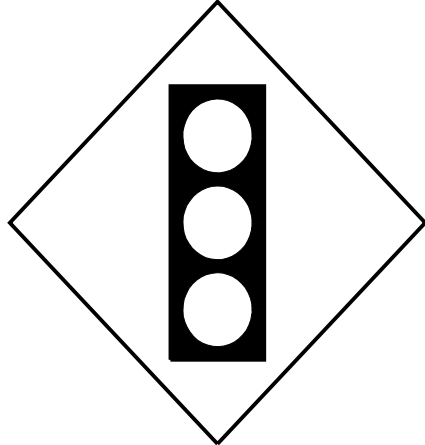
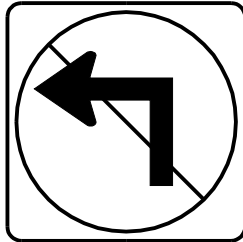
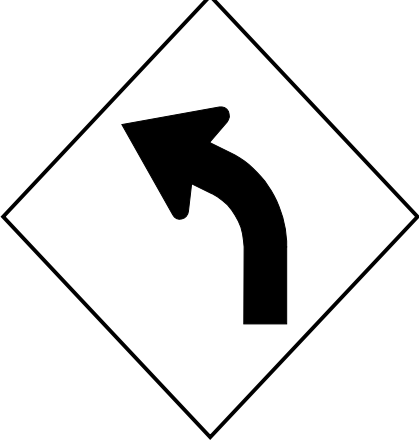

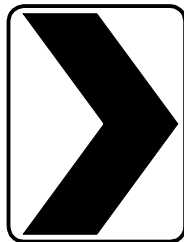


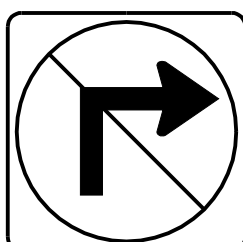


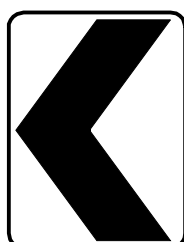

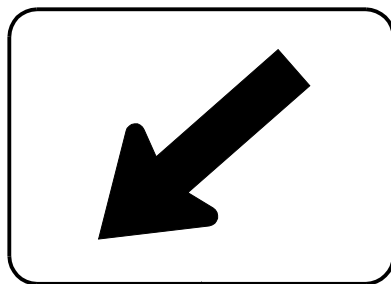


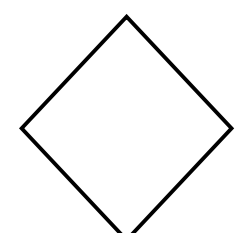


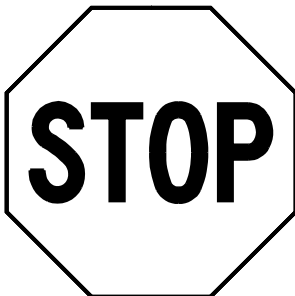
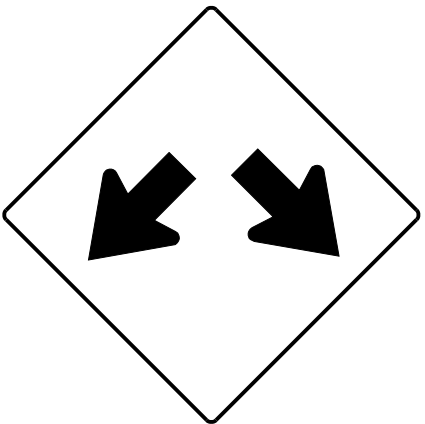

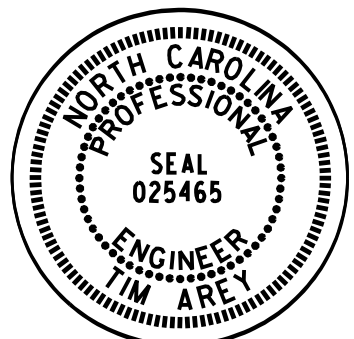

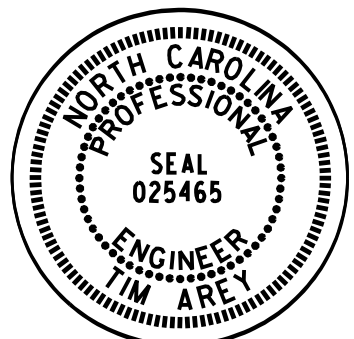

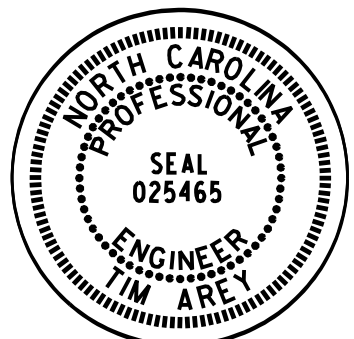
* FOUNDATION DIMENSIONS ARE SHOWN IN PLANS

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

ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 2 OF 3
903D10

REVISED SIGNING
 ROADWAY STANDARD DRAWING

<p>401 QUANTITY REQ'D <u>1</u></p>  <p>R2-1 24" X 30"</p> <p>ONE "U" POST PER SIGN</p>	<p>406 QUANTITY REQ'D <u>2</u></p>  <p>R4-8 24" X 30"</p> <p>ONE "U" POST PER SIGN</p>	<p>411 QUANTITY REQ'D <u>2</u></p>  <p>R4-7 24" X 30"</p> <p>ONE "U" POST PER SIGN</p>	<p>416 QUANTITY REQ'D <u>1</u></p>  <p>W1-2R 30" X 30"</p> <p>ONE "U" POST PER SIGN</p>					
<p>402 QUANTITY REQ'D <u>4</u></p>  <p>R1-2 36" X 36" X 36"</p> <p>ONE "U" POST PER SIGN</p>	<p>407 QUANTITY REQ'D <u>2</u></p>  <p>W3-3 36" X 36"</p> <p>ONE "U" POST PER SIGN</p>	<p>412 QUANTITY REQ'D <u>2</u></p>  <p>R3-2 36" X 36"</p> <p>ONE "U" POST PER SIGN</p>	<p>417 QUANTITY REQ'D <u>1</u></p>  <p>W1-2L 30" X 30"</p> <p>ONE "U" POST PER SIGN</p>	<p>420 QUANTITY REQ'D <u>2</u></p>  <p>W13-1P 24" X 24"</p> <p>MOUNT BELOW CURVE WARNING SIGNS (416, 417)</p>	<p>423 QUANTITY REQ'D <u>6</u></p>  <p>W1-8 (R) 18" X 24"</p> <p>ONE "U" POST PER SIGN</p>			
<p>403 QUANTITY REQ'D <u>12</u></p>  <p>R5-1 36" X 36"</p> <p>ONE "U" POST PER SIGN</p>	<p>408 QUANTITY REQ'D <u>2</u></p>  <p>W11-2 36" X 36"</p> <p>YELLOW/GREEN REFLECTIVE SHEETING</p> <p>ONE "U" POST PER SIGN</p>	<p>413 QUANTITY REQ'D <u>2</u></p>  <p>R3-1 36" X 36"</p> <p>ONE "U" POST PER SIGN</p>	<p>418 QUANTITY REQ'D <u>5</u></p>  <p>R6-1 (R) 54" X 18"</p> <p>TWO "U" POSTS PER SIGN</p>	<p>421 QUANTITY REQ'D <u>3</u></p>  <p>W14-2 36" X 36"</p> <p>ONE "U" POST PER SIGN</p>	<p>424 QUANTITY REQ'D <u>6</u></p>  <p>W1-8 (L) 18" X 24"</p> <p>ONE "U" POST PER SIGN</p>			
<p>404 QUANTITY REQ'D <u>4</u></p>  <p>R5-1a 42" X 30"</p> <p>ONE "U" POST PER SIGN</p>	<p>409 QUANTITY REQ'D <u>2</u></p>  <p>W16-7P 24" X 12"</p> <p>YELLOW/GREEN REFLECTIVE SHEETING</p> <p>MOUNT BELOW SIGN NO. 408 IN 2 INSTALLATIONS</p>	<p>414 QUANTITY REQ'D <u>6</u></p>  <p>R3-7 36" X 36"</p> <p>ONE "U" POST PER SIGN</p>	<p>419 QUANTITY REQ'D <u>6</u></p>  <p>R6-1 (L) 54" X 18"</p> <p>TWO "U" POSTS PER SIGN</p>	<p>422 QUANTITY REQ'D <u>6</u></p>  <p>OM4-3 18" X 18"</p> <p>RED REFLECTIVE SHEETING</p> <p>ONE "U" POST PER SIGN</p>	<p>425 QUANTITY REQ'D <u>6</u></p>  <p>R2-1 30" X 36"</p> <p>ONE "U" POST PER SIGN</p>			
<p>405 QUANTITY REQ'D <u>5</u></p>  <p>R6-1 (R) 36" X 12"</p> <p>TWO "U" POSTS PER SIGN</p>	<p>410 QUANTITY REQ'D <u>17</u></p>  <p>R1-1 36" X 36"</p> <p>MOUNT BELOW SIGN NO. 405 IN 5 INSTALLATIONS (THESE 5 ON TWO "U" POSTS)</p> <p>ONE "U" POST PER SIGN</p>	<p>415 QUANTITY REQ'D <u>2</u></p>  <p>W12-1 36" X 36"</p> <p>ONE "U" POST PER SIGN</p>	<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> <table border="1"> <tr> <td data-bbox="1982 1755 2293 1957"> <p>PROGRESSIVE DESIGN GROUP, INC.</p>  <p>ENGINEERS • CONSULTANTS</p> </td> <td data-bbox="2293 1755 2613 1957"> <p>APPROVED: <i>Tom Arty</i> DATE: 3/2/2017</p>  <p>SEAL</p> </td> <td data-bbox="2613 1755 3045 1957"> <p>SIGNING PLAN TYPE "E" SIGNS</p> </td> </tr> </table>			<p>PROGRESSIVE DESIGN GROUP, INC.</p>  <p>ENGINEERS • CONSULTANTS</p>	<p>APPROVED: <i>Tom Arty</i> DATE: 3/2/2017</p>  <p>SEAL</p>	<p>SIGNING PLAN TYPE "E" SIGNS</p>
<p>PROGRESSIVE DESIGN GROUP, INC.</p>  <p>ENGINEERS • CONSULTANTS</p>	<p>APPROVED: <i>Tom Arty</i> DATE: 3/2/2017</p>  <p>SEAL</p>	<p>SIGNING PLAN TYPE "E" SIGNS</p>						

501 QUANTITY REQ'D 6

502

518 SOUTH NORTH

522 119 119

528 ← →

531

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

TWO "U" POSTS PER SIGN ASSEMBLY

506 QUANTITY REQ'D 1

WEST

INTERSTATE 40

SOUTH

INTERSTATE 85

↙

M3-4 1-24" X 12"
M1-1 1-24" X 24"
M3-3 1-24" X 12"
M1-1 1-24" X 24"
M6-2 (L) 1-21" X 15"

ONE "U" POST PER SIGN ASSEMBLY

510 QUANTITY REQ'D 2

512

JCT

INTERSTATE 40 INTERSTATE 85

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

TWO "U" POSTS PER SIGN ASSEMBLY

517 QUANTITY REQ'D 5

519

521

535

537

JCT

119

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

ONE "U" POST PER SIGN ASSEMBLY

QUANTITY REQ'D 4

503

513 NORTH SOUTH

520 119 119

523 ← →

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

TWO "U" POSTS PER SIGN ASSEMBLY

507 QUANTITY REQ'D 1

WEST

INTERSTATE 40

SOUTH

INTERSTATE 85

↗

M3-4 1-24" X 12"
M1-1 1-24" X 24"
M3-3 1-24" X 12"
M1-1 1-24" X 24"
M6-2 (R) 1-21" X 15"

ONE "U" POST PER SIGN ASSEMBLY

511 QUANTITY REQ'D 4

514

526

530

NORTH

119

M3-1 1-24" X 12"
M1-5 1-24" X 24"

ONE "U" POST PER SIGN ASSEMBLY

527 QUANTITY REQ'D 1

NORTH

119

↻

M3-1 1-24" X 12"
M1-5 1-24" X 24"
1-21" X 15"

ONE "U" POST PER SIGN ASSEMBLY

533 QUANTITY REQ'D 1

TO

119

←

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

ONE "U" POST PER SIGN ASSEMBLY

539 QUANTITY REQ'D 1

TO

70

←

M4-5 1-24" X 12"
M1-4 1-24" X 24"
M6-1 1-21" X 15"

ONE "U" POST PER SIGN ASSEMBLY

542 QUANTITY REQ'D 1

SOUTH NORTH

119 119

↙ ↗

M3-3 1-24" X 12"
M3-1 1-24" X 12"
M1-5 2-24" X 24"
M5-1 (L) 1-21" X 15"
M5-1 (R) 1-21" X 15"

TWO "U" POSTS PER SIGN ASSEMBLY

504 QUANTITY REQ'D 1

EAST

INTERSTATE 40

NORTH

INTERSTATE 85

↗

M3-2 1-24" X 12"
M1-1 1-24" X 24"
M3-1 1-24" X 12"
M1-1 1-24" X 24"
M6-2 (R) 1-21" X 15"

ONE "U" POST PER SIGN ASSEMBLY

508 QUANTITY REQ'D 1

EAST

INTERSTATE 40

NORTH

INTERSTATE 85

↙

M3-2 1-24" X 12"
M1-1 1-24" X 24"
M3-1 1-24" X 12"
M1-1 1-24" X 24"
M5-1 (L) 1-21" X 15"

ONE "U" POST PER SIGN ASSEMBLY

515 QUANTITY REQ'D 2

525

SOUTH

119

↻

M3-3 1-24" X 12"
M1-5 1-24" X 24"
1-21" X 15"

ONE "U" POST PER SIGN ASSEMBLY

529 QUANTITY REQ'D 1

SOUTH TO

119 70

↻ →

M3-3 1-24" X 12"
M4-5 1-24" X 12"
M1-5 1-24" X 24"
M1-4 1-24" X 24"
1-21" X 15"
M6-1 1-21" X 15"

TWO "U" POSTS PER SIGN ASSEMBLY

536 QUANTITY REQ'D 1

SOUTH

119

←

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

ONE "U" POST PER SIGN ASSEMBLY

540 QUANTITY REQ'D 1

EAST WEST

70 70

← →

M3-2 1-24" X 12"
M3-4 1-24" X 12"
M1-4 1-24" X 24"
M6-1 1-21" X 15"

TWO "U" POSTS PER SIGN ASSEMBLY

505 QUANTITY REQ'D 1

WEST

INTERSTATE 40

SOUTH

INTERSTATE 85

↙

M3-4 1-24" X 12"
M1-1 1-24" X 24"
M3-3 1-24" X 12"
M1-1 1-24" X 24"
M5-1 (L) 1-21" X 15"

ONE "U" POST PER SIGN ASSEMBLY

509 QUANTITY REQ'D 1

EAST

INTERSTATE 40

NORTH

INTERSTATE 85

↗

M3-2 1-24" X 12"
M1-1 1-24" X 24"
M3-1 1-24" X 12"
M1-1 1-24" X 24"
M6-2 (L) 1-21" X 15"

ONE "U" POST PER SIGN ASSEMBLY

516 QUANTITY REQ'D 3

524

534

SOUTH

119

M3-3 1-24" X 12"
M1-5 1-24" X 24"

ONE "U" POST PER SIGN ASSEMBLY

532 QUANTITY REQ'D 1

TO

119

→

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

ONE "U" POST PER SIGN ASSEMBLY

538 QUANTITY REQ'D 1

SOUTH

119

→

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

ONE "U" POST PER SIGN ASSEMBLY

541 QUANTITY REQ'D 1

EAST WEST

70 70

↙ ↗

M3-2 1-24" X 12"
M3-4 1-24" X 12"
M1-4 1-24" X 24"
M5-1 (L) 1-21" X 15"
M5-1 (R) 1-21" X 15"

TWO "U" POSTS PER SIGN ASSEMBLY

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PROGRESSIVE
DESIGN GROUP, INC.

ENGINEERS • CONSULTANTS

APPROVED: *Tommy* DATE: 3/2/2017

SEAL

SEAL 025465

ENGINEER
TIM ARBY

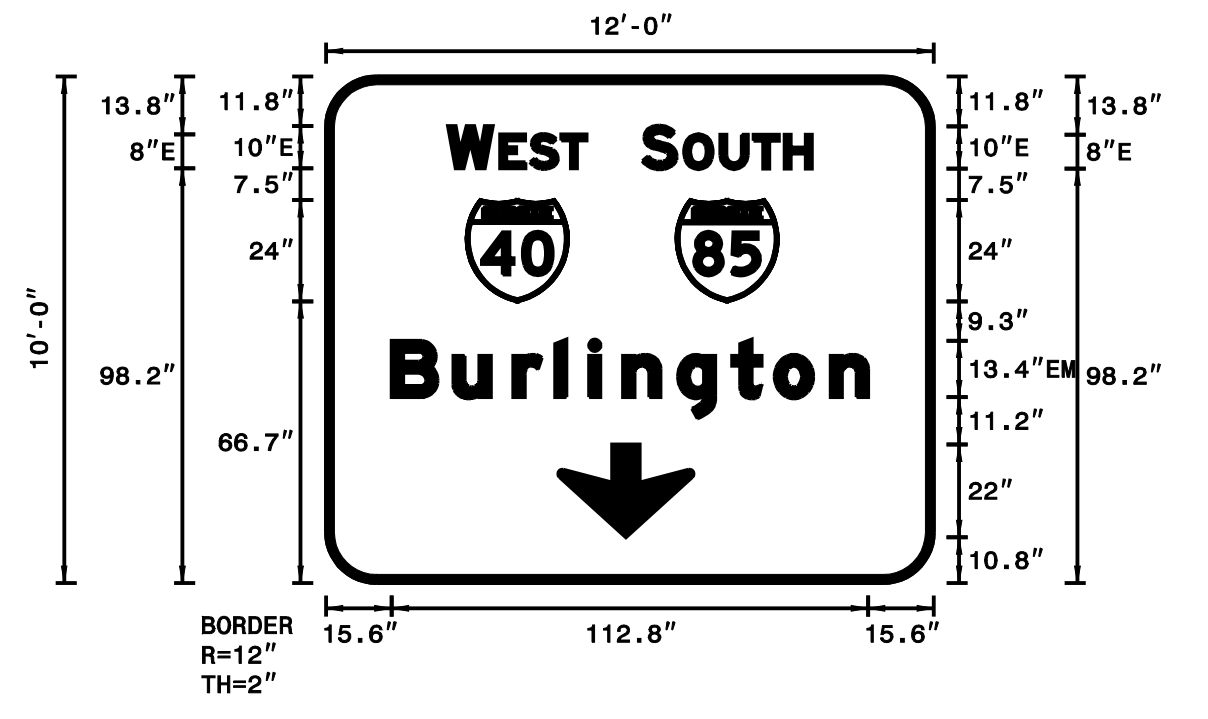
SIGNING PLAN
TYPE "F" SIGNS

SIGN NUMBER: 1
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 12'-0"
 HEIGHT: 10'-0"
 TOTAL AREA: 120.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 136.0

SYMBOL	X	Y	WID	HT
M1_1	33.3	66.7	24	24
M1_1	83	66.7	24	24
ARDOWN	55	10.8	32.1	22

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA
 CHECKED BY: SK
 PROJECT ID: U-3109A
 DIV: 7
 DATE: Dec 12, 2016



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.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	32.9
E 2000	40.1
EM 2000	112.8

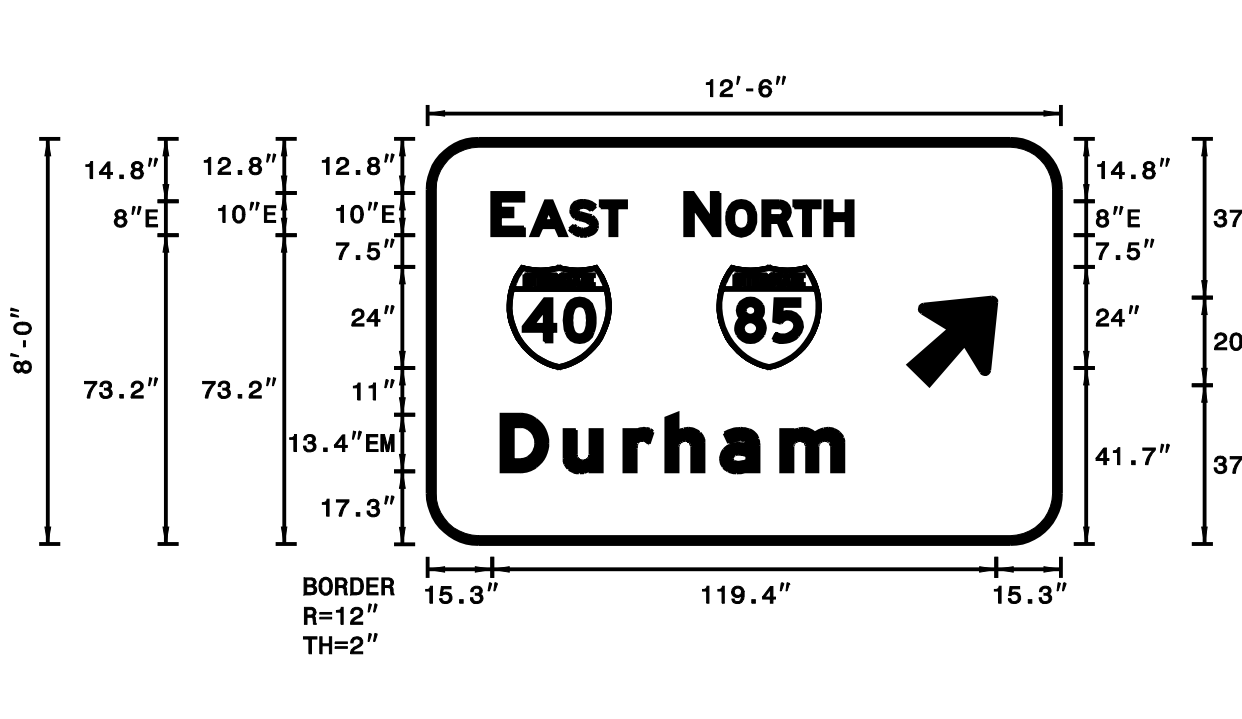
FILENAME: sign designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 2
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 12'-6"
 HEIGHT: 8'-0"
 TOTAL AREA: 100.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 142.0

SYMBOL	X	Y	WID	HT
M1_1	19.1	41.7	24	24
M1_1	68.8	41.7	24	24
AR_Type B	113.9	37.6	22.4	25.5

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA
 CHECKED BY: SK
 PROJECT ID: U-3109A
 DIV: 7
 DATE: Nov 1, 2016



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.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	31.7
E 2000	39.7
EM 2000	80.9

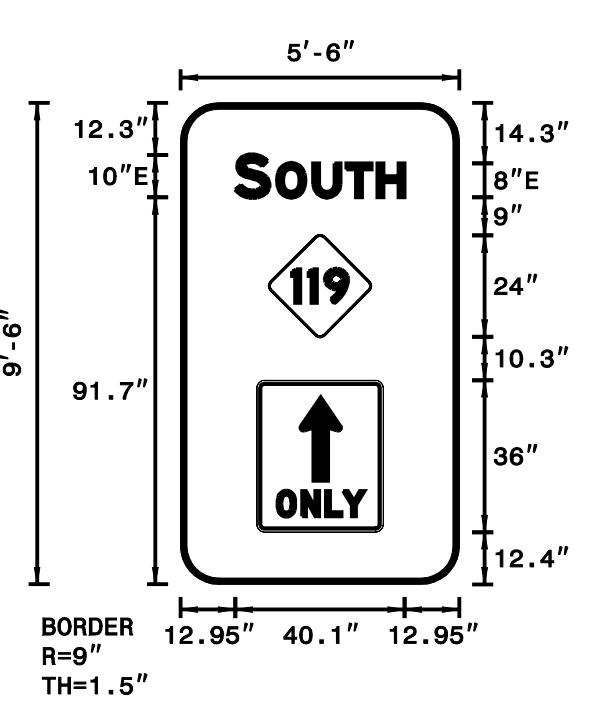
FILENAME: sign designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 3
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 5'-6"
 HEIGHT: 9'-6"
 TOTAL AREA: 52.3 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 9"
 NO. Z BARS: 3
 LENGTH: 58.0

SYMBOL	X	Y	WID	HT
M1-5-3-24-8D	21	58.6	24	24
R3-5a	18	12.3	30	36

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA
 CHECKED BY: SK
 PROJECT ID: U-3109A
 DIV: 7
 DATE: Sep 13, 2016



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.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	40.1

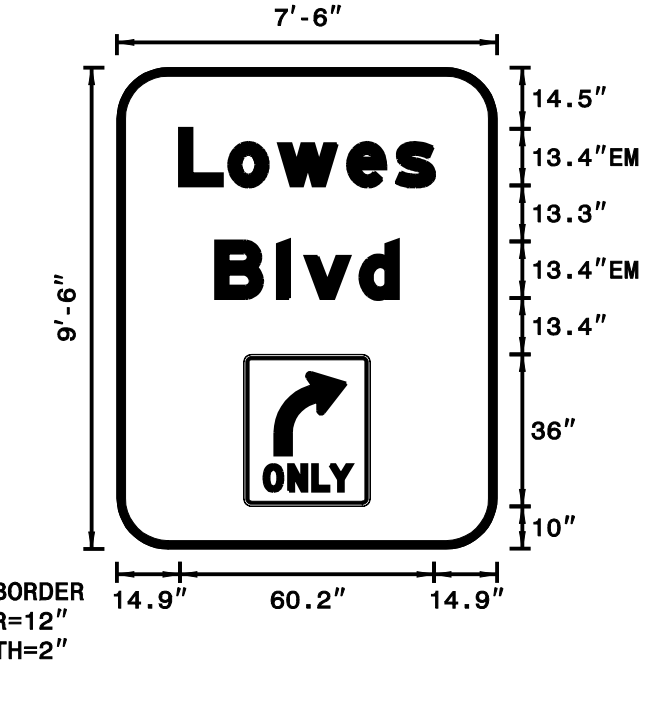
FILENAME: sign designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 4
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 7'-6"
 HEIGHT: 9'-6"
 TOTAL AREA: 71.3 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 82.0

SYMBOL	X	Y	WID	HT
R3-5 (RIGHT)	30	10.1	30	36

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA
 CHECKED BY: SK
 PROJECT ID: U-3109A
 DIV: 7
 DATE: Sep 13, 2016



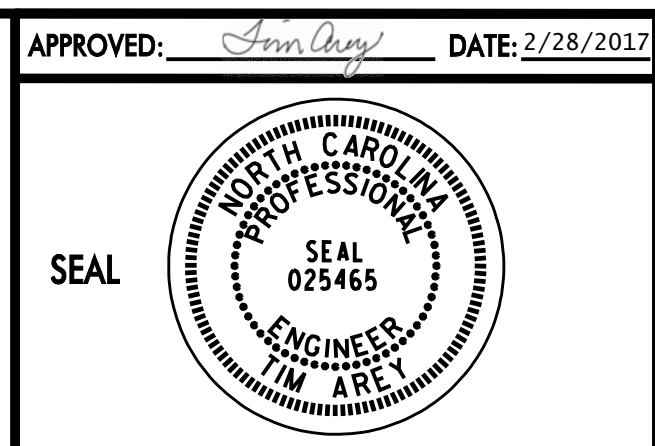
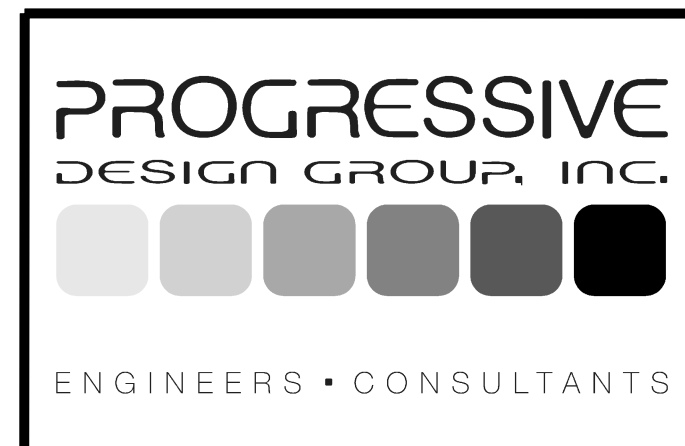
USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	60.2
EM 2000	43

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



SIGNING PLAN
 TYPE A SIGN DESIGNS

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

SIGN NUMBER: 5 BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 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
 LENGTH: 172.0

SYMBOL	X	Y	WID	HT
M1_1	68.9	41.2	24	24
M1_1	118.6	41.2	24	24
AR_Type B	16	37.6	22.4	25.5

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK DATE: Nov 1, 2016
 PROJECT ID: U-3109A DIV: 7

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	32.9
E 2000	40.1
EM 2000	112.8

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

SIGN NUMBER: 6 BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1
 SIGN WIDTH: 12'-0"
 HEIGHT: 10'-0"
 TOTAL AREA: 120.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 136.0

SYMBOL	X	Y	WID	HT
M1_1	33.3	64.2	24	24
M1_1	83	64.2	24	24

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK DATE: Sep 13, 2016
 PROJECT ID: U-3109A DIV: 7

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	32.9
E 2000	40.1
EM 2000	112.8
E 2000	110.8

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

SIGN NUMBER: 7 BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1
 SIGN WIDTH: 9'-6"
 HEIGHT: 10'-0"
 TOTAL AREA: 95.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 106.0

SYMBOL	X	Y	WID	HT
M1_1	18.2	66.6	24	24
M1_1	67.9	66.6	24	24
ARDOWN	40.6	11	32.1	22

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK DATE: Dec 12, 2016
 PROJECT ID: U-3109A DIV: 7

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	31.7
E 2000	39.7
EM 2000	80.9

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

SIGN NUMBER: 8 BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1
 SIGN WIDTH: 12'-0"
 HEIGHT: 11'-6"
 TOTAL AREA: 138.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 136.0

SYMBOL	X	Y	WID	HT
M1_1	33.3	83.3	24	24
M1_1	67	10.4	30	36

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK DATE: Dec 12, 2016
 PROJECT ID: U-3109A DIV: 7

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

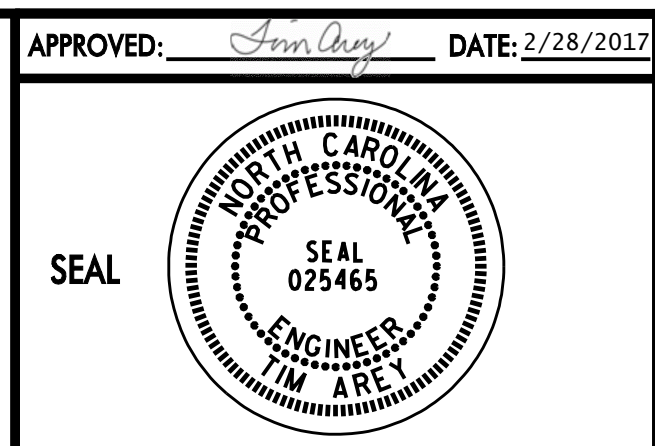
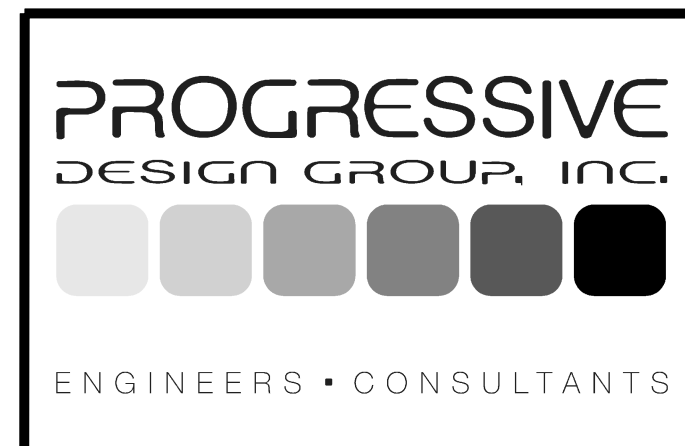
LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	32.9
E 2000	40.1
EM 2000	112.8

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

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



SIGNING PLAN
 TYPE A SIGN DESIGNS

SIGN NUMBER: 9 BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1
 SIGN WIDTH: 12'-6"
 HEIGHT: 8'-0"
 TOTAL AREA: 100.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 142.0

SYMBOL	X	Y	WID	HT
M1_1	53.1	41.7	24	24
M1_1	102.6	41.7	24	24
AR_Type B	14.8	37.6	22.4	25.5

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK DATE: Nov 1, 2016
 PROJECT ID: U-3109A DIV: 7

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
50.5 7.5 1.8 9 7.4 6 87.8	31.7
N	2000
95 8.1 1.8 8.6 7.4 7.4 6.5 15.3	39.7
D	2000
52.1 14.9 14.2 9.9 13 14.2 14.7 17	80.9

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

SIGN NUMBER: 10 BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1
 SIGN WIDTH: 20'-0"
 HEIGHT: 8'-6"
 TOTAL AREA: 170.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 232.0

SYMBOL	X	Y	WID	HT
M1-5-3-24-8D	82.9	66.3	24	24
ARDOWN	14	10.8	32.1	22
ARDOWN	194	10.8	32.1	22

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK DATE: Sep 13, 2016
 PROJECT ID: U-3109A DIV: 7

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
N	2000
117.5 8.1 1.8 8.6 7.4 7.4 6.5 82.9	39.7
M	2000
81.7 15.8 13 11.8 14.2 13 8.8 81.7	76.6

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

SIGN NUMBER: 11 BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1
 SIGN WIDTH: 5'-6"
 HEIGHT: 8'-0"
 TOTAL AREA: 44.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 9"
 NO. Z BARS: 3
 LENGTH: 58.0

SYMBOL	X	Y	WID	HT
M1-5-3-24-8D	21	41.3	24	24
ARDOWN	17	8.1	32.1	22

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK DATE: Sep 13, 2016
 PROJECT ID: U-3109A DIV: 7

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	2000
12.9 8.1 1.8 8.6 7.8 7.4 6.5 12.9	40.1

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

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

PROGRESSIVE
 DESIGN GROUP, INC.
 ENGINEERS • CONSULTANTS

APPROVED: *Tommy* DATE: 2/28/2017

SEAL

SIGNING PLAN
 TYPE A SIGN DESIGNS

SIGN NUMBER: 201, 202 BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 2
 SIGN WIDTH: 8'-0"
 HEIGHT: 5'-0"
 TOTAL AREA: 40.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 8"
 NO. Z BARS: 2
 LENGTH: 88.0

SYMBOL	X	Y	WID	HT
AR_Type A	67	6	18.3	29.3

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK
 PROJECT ID: U-3109A DIV: 7 DATE: Nov 29, 2016

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	X	I	T								E 2000
25.8	12.8	15.8	6.8	9	25.8						44.4
1	5	3									E 2000
13.8	9	17.1	14.6	41.5							40.7

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

SIGN NUMBER: 302
 TYPE: D
 QUANTITY: 1
 SIGN WIDTH: 4'-6"
 HEIGHT: 1'-6"
 TOTAL AREA: 6.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 3"
 NO. Z BARS: 1
 LENGTH:

SYMBOL	X	Y	WID	HT
AR_Type D	5.9	6	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK
 PROJECT ID: U-3109A DIV: 7 DATE: Sep 13, 2016

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
M	e	b	a	n	e						D 2000
21.1	5.8	4.4	4.3	4.6	4.4	3.5	5.9				26.9

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

SIGN NUMBER: 301, 303, 304
 TYPE: D
 QUANTITY: 3
 SIGN WIDTH: 4'-6"
 HEIGHT: 1'-6"
 TOTAL AREA: 6.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 3"
 NO. Z BARS: 1
 LENGTH:

SYMBOL	X	Y	WID	HT
AR_Type D	39.2	6	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LA CHECKED BY: SK
 PROJECT ID: U-3109A DIV: 7 DATE: Sep 13, 2016

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
M	e	b	a	n	e						D 2000
5.8	5.8	4.4	4.3	4.6	4.4	3.5	21.3				26.9

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

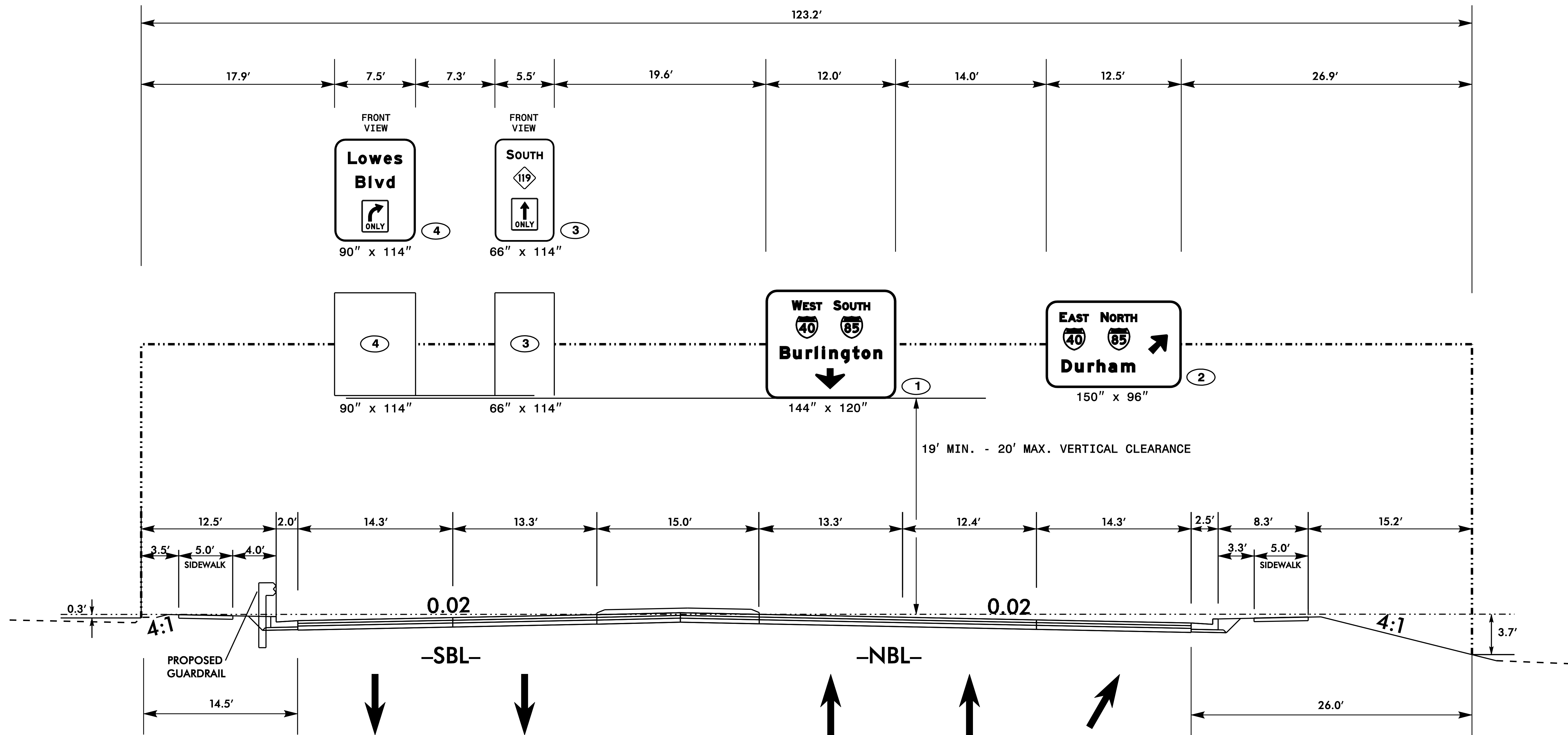
DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

PROGRESSIVE
 DESIGN GROUP, INC.

 ENGINEERS • CONSULTANTS

APPROVED: *John Arty* DATE: 2/28/2017
 SEAL

SIGNING PLAN
 TYPE A AND D SIGN DESIGNS



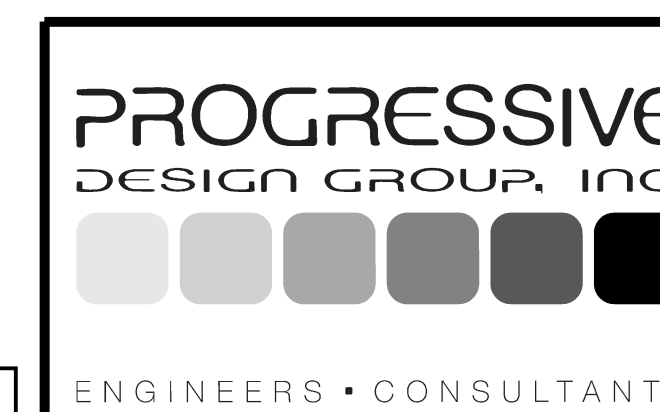
NOTES:

- 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 NCDOT SIGNING AND DELINEATION UNIT.
- 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 90 M.P.H.

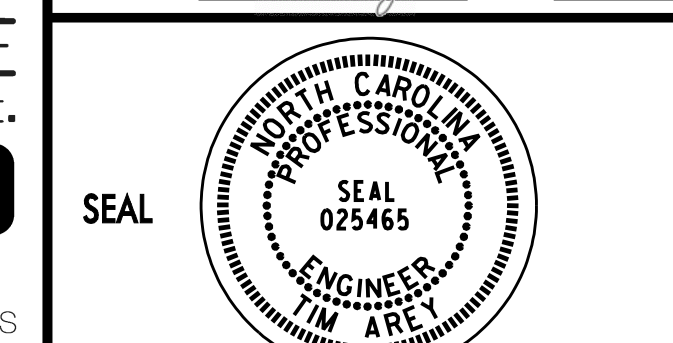
NC 119 - L -

PROPOSED OVERHEAD SIGN ASSEMBLY A
STA. 21+15 - L -

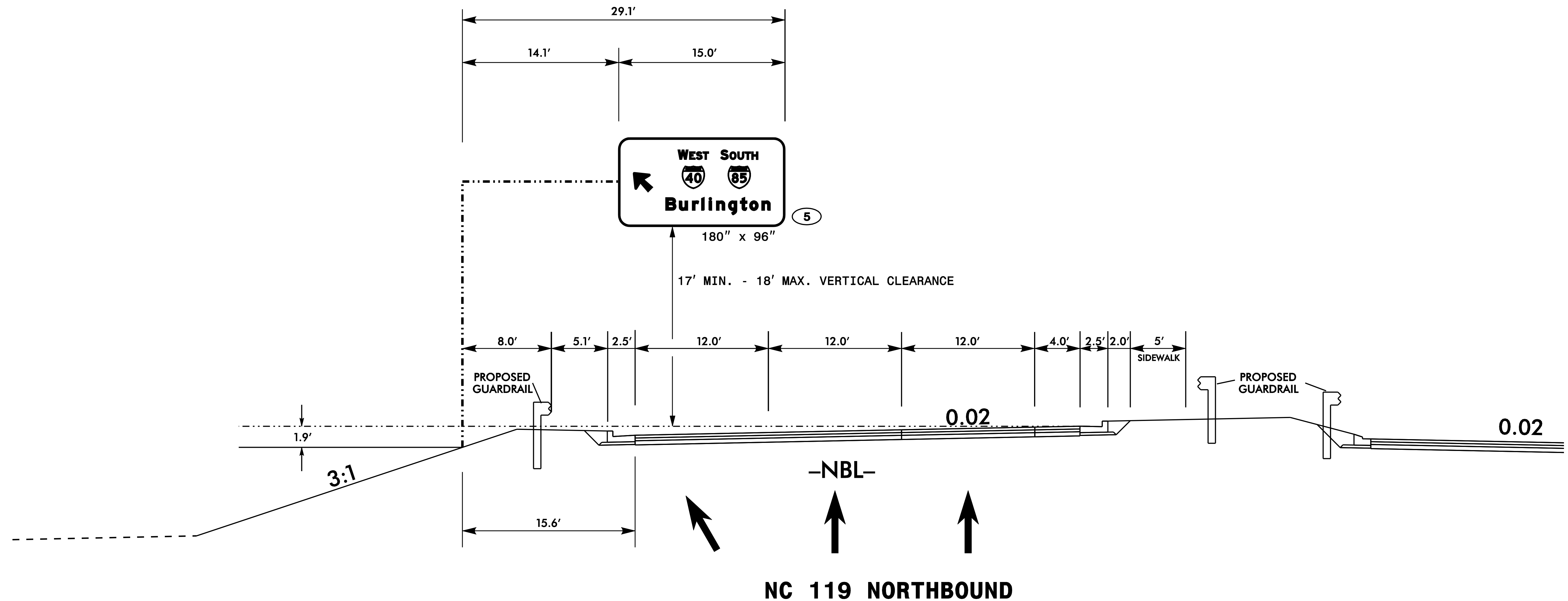
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



APPROVED: *Tommy Arsy* DATE: 2/28/2017



SIGNING PLAN

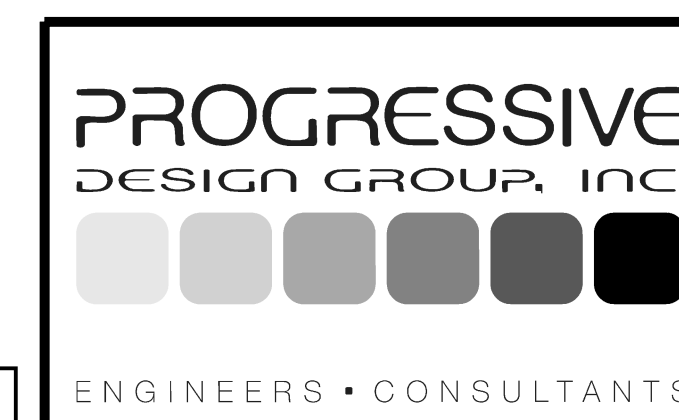


NOTES:

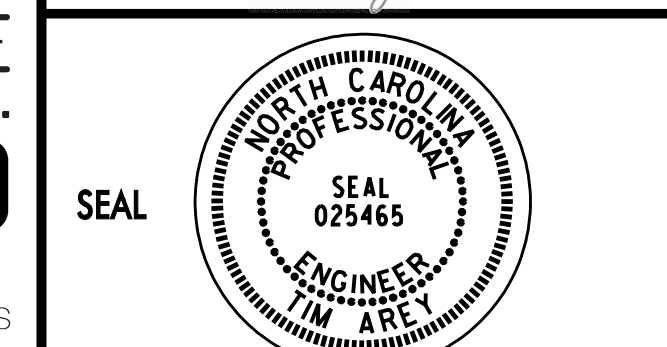
1. IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
2. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
3. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE NCDOT SIGNING AND DELINEATION UNIT.
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 90 M.P.H.

PROPOSED OVERHEAD SIGN ASSEMBLY B
STA. 28+17 -L-

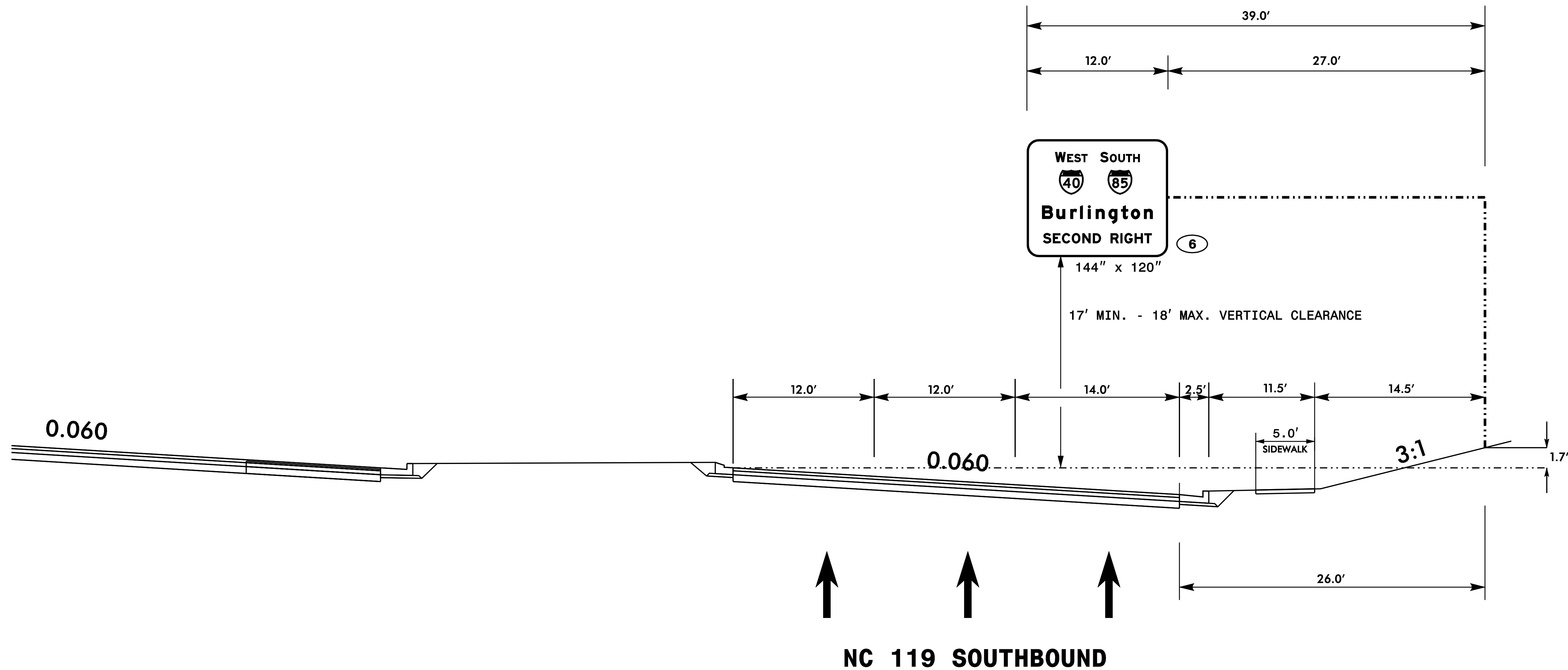
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



APPROVED: *John Arsy* DATE: 2/28/2017



SIGNING PLAN



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 NCDOT SIGNING AND DELINEATION UNIT.
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 90 M.P.H.

PROPOSED OVERHEAD SIGN ASSEMBLY C
STA. 46+00 - L -

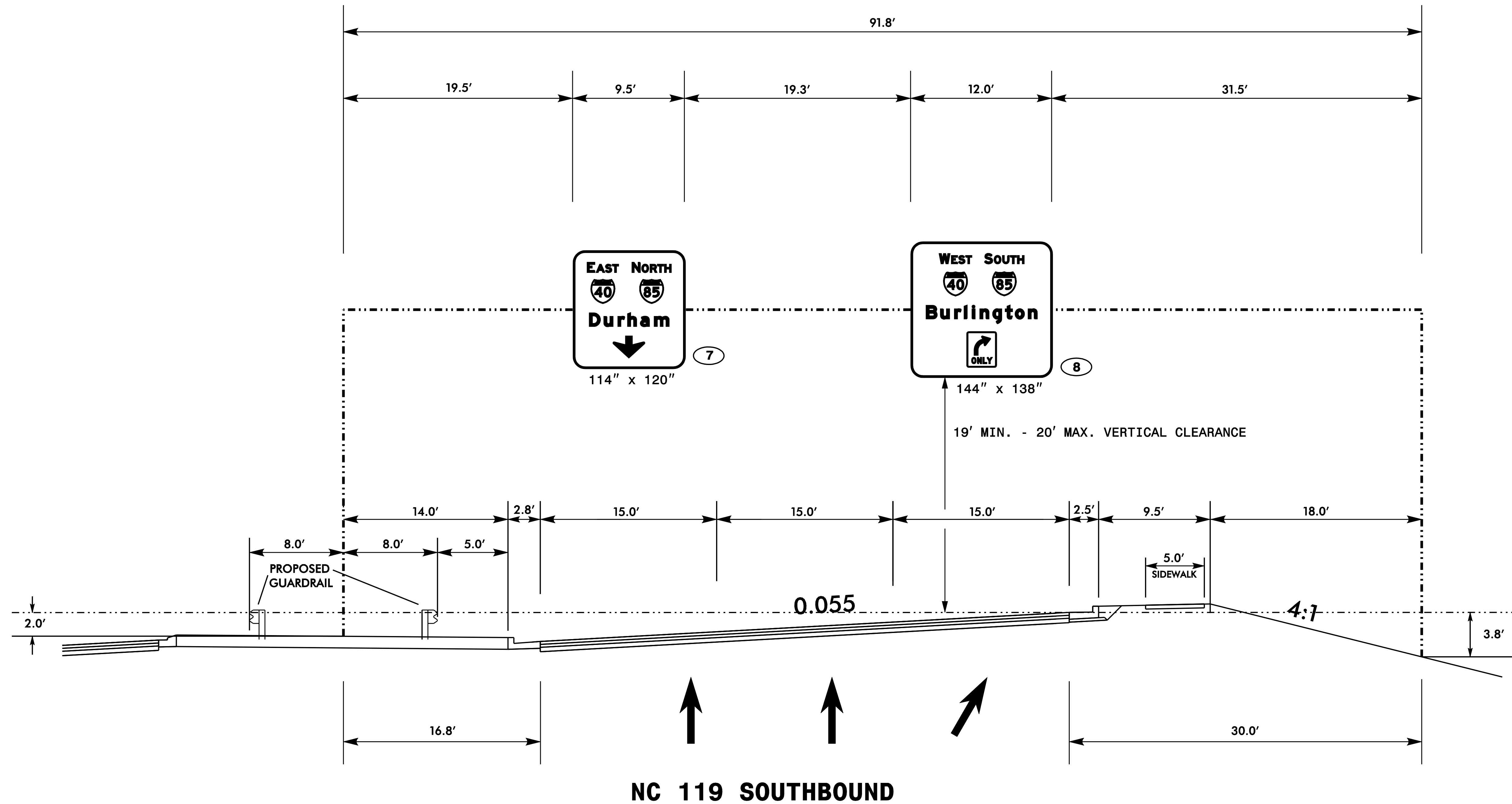
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PROGRESSIVE
DESIGN GROUP, INC.
ENGINEERS • CONSULTANTS

APPROVED: *Tommy Arty* DATE: 2/28/2017

SEAL

SIGNING PLAN



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 NCDOT SIGNING AND DELINEATION UNIT.
- 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 90 M.P.H.

PROPOSED OVERHEAD SIGN ASSEMBLY D
STA. 32+38 -L-

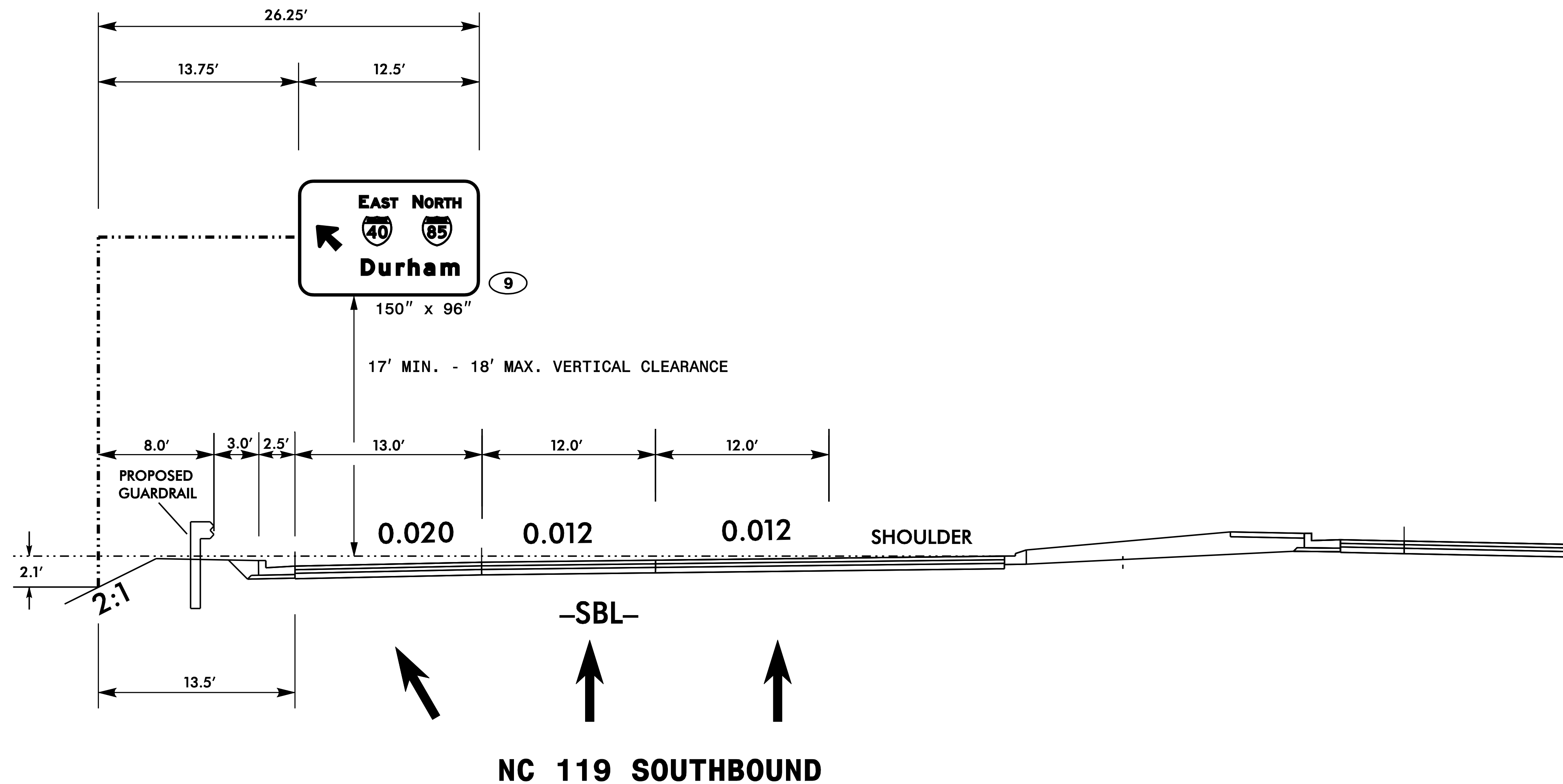
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PROGRESSIVE
DESIGN GROUP, INC.
ENGINEERS • CONSULTANTS

APPROVED: *[Signature]* DATE: 2/28/2017

SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
TIM ARLEY
SEAL
025465

SIGNING PLAN



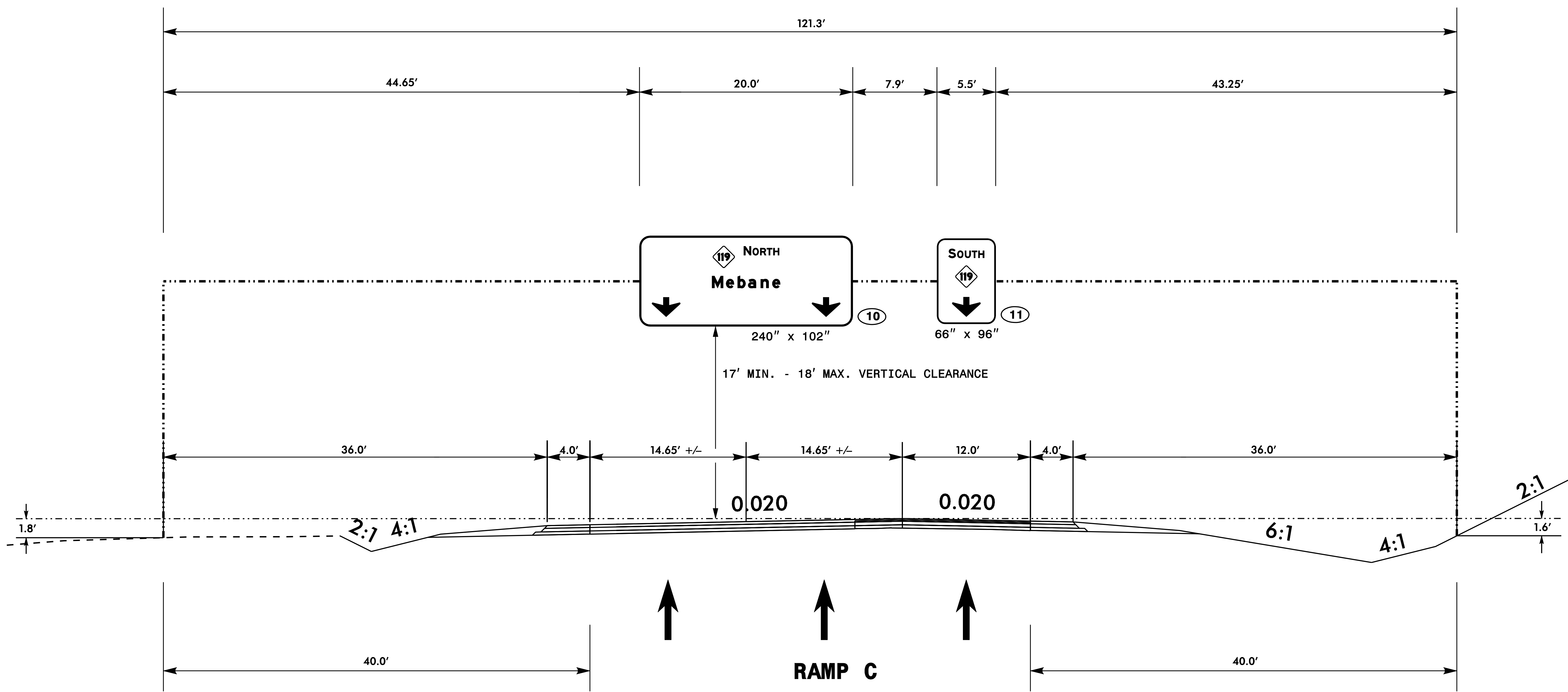
NOTES:

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 NCDOT SIGNING AND DELINEATION UNIT.
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 90 M.P.H.

PROPOSED OVERHEAD SIGN ASSEMBLY E
STA. 25+44 -L-

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

	APPROVED: <i>John Arty</i> DATE: 2/28/2017		SIGNING PLAN
	SEAL		



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 NCDOT SIGNING AND DELINEATION UNT.
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 90 M.P.H.

PROPOSED OVERHEAD SIGN ASSEMBLY F
STA. 16+50 -RPC-

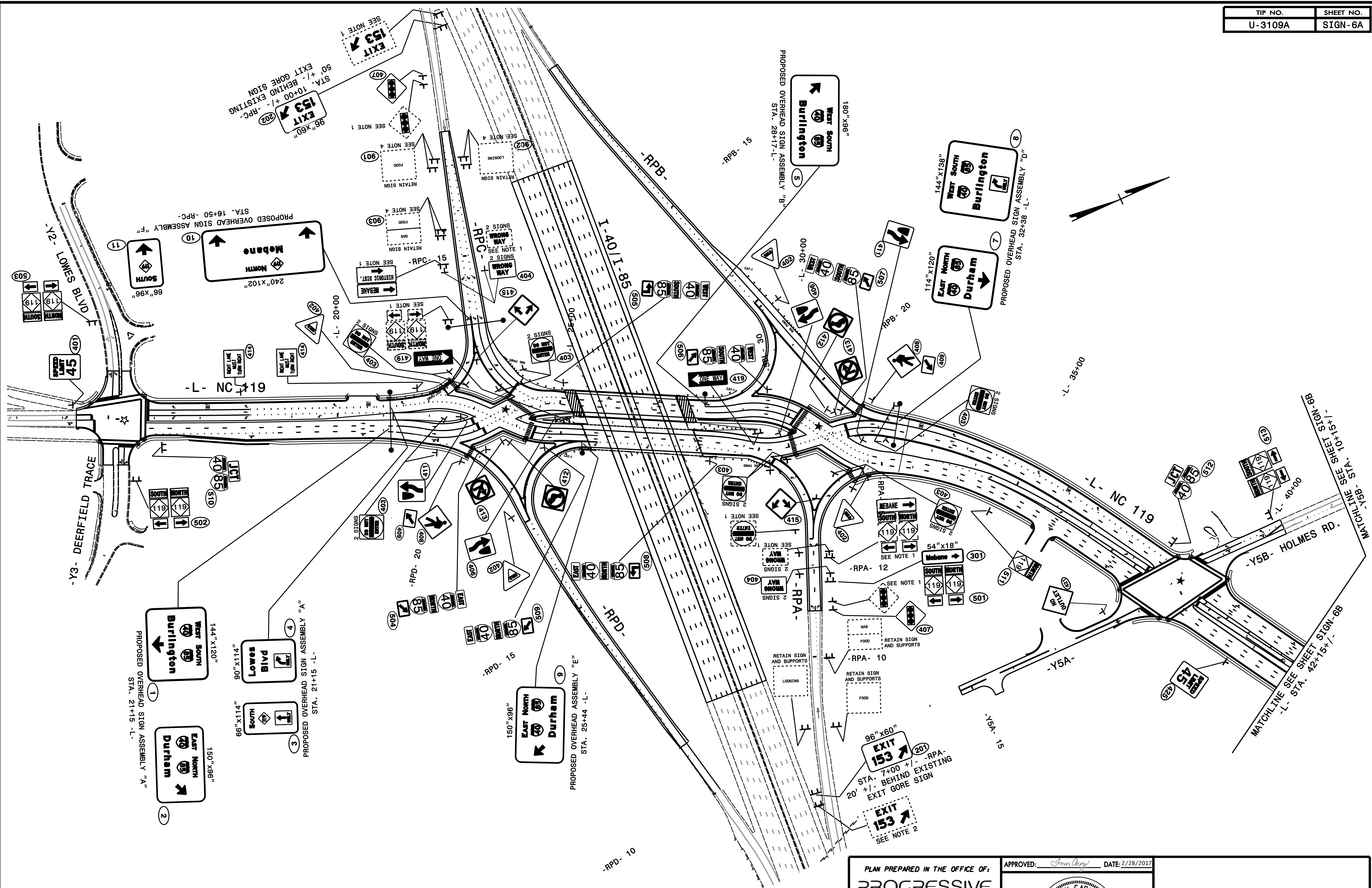
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PROGRESSIVE
DESIGN GROUP, INC.
ENGINEERS • CONSULTANTS

APPROVED: *John Gray* DATE: 2/28/2017

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
TIM ARSEY
SEAL 025465

SIGNING PLAN

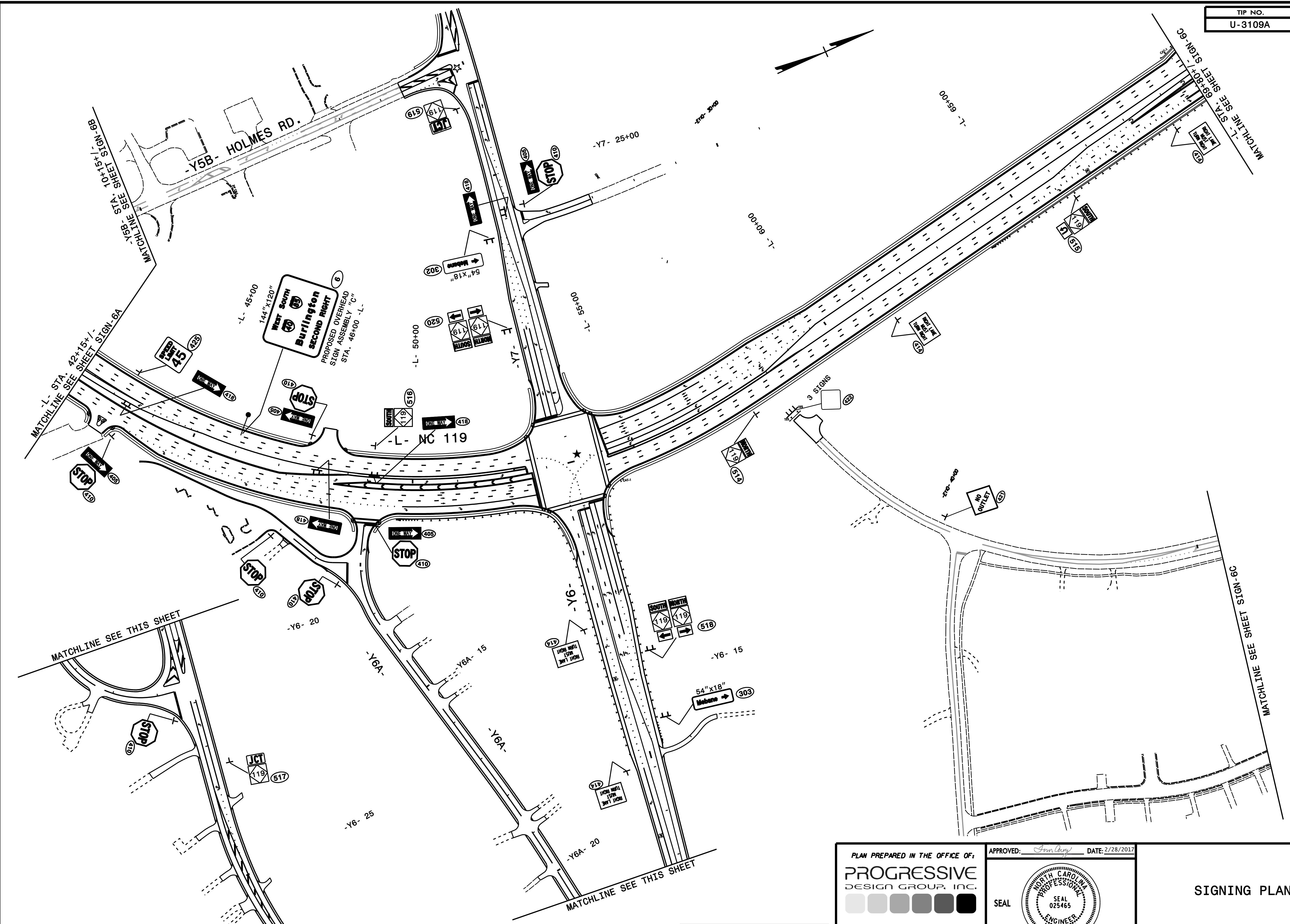


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED


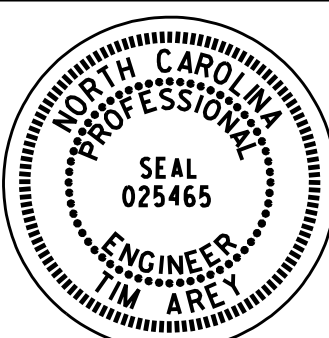
PLAN PREPARED IN THE OFFICE OF:
PROGRESSIVE DESIGN GROUP, INC.
ENGINEERS • CONSULTANTS

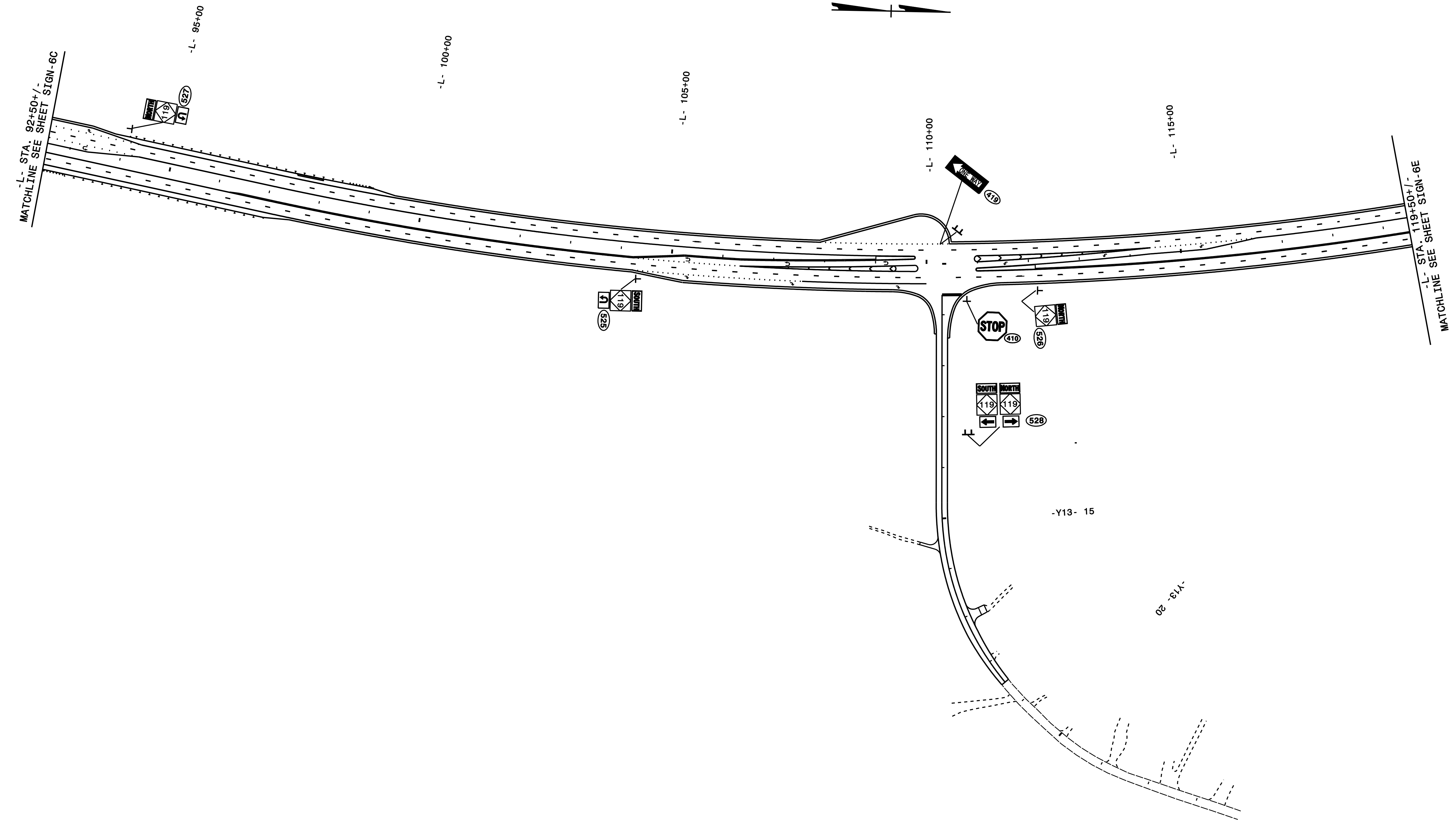
APPROVED: *Tommy* DATE: 2/28/2017
SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 025465
T.M. ARE

SIGNING PLAN



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN PREPARED IN THE OFFICE OF: PROGRESSIVE DESIGN GROUP, INC.  ENGINEERS • CONSULTANTS	APPROVED: <i>Jim Gray</i> DATE: 2/28/2017	SIGNING PLAN
	SEAL 	

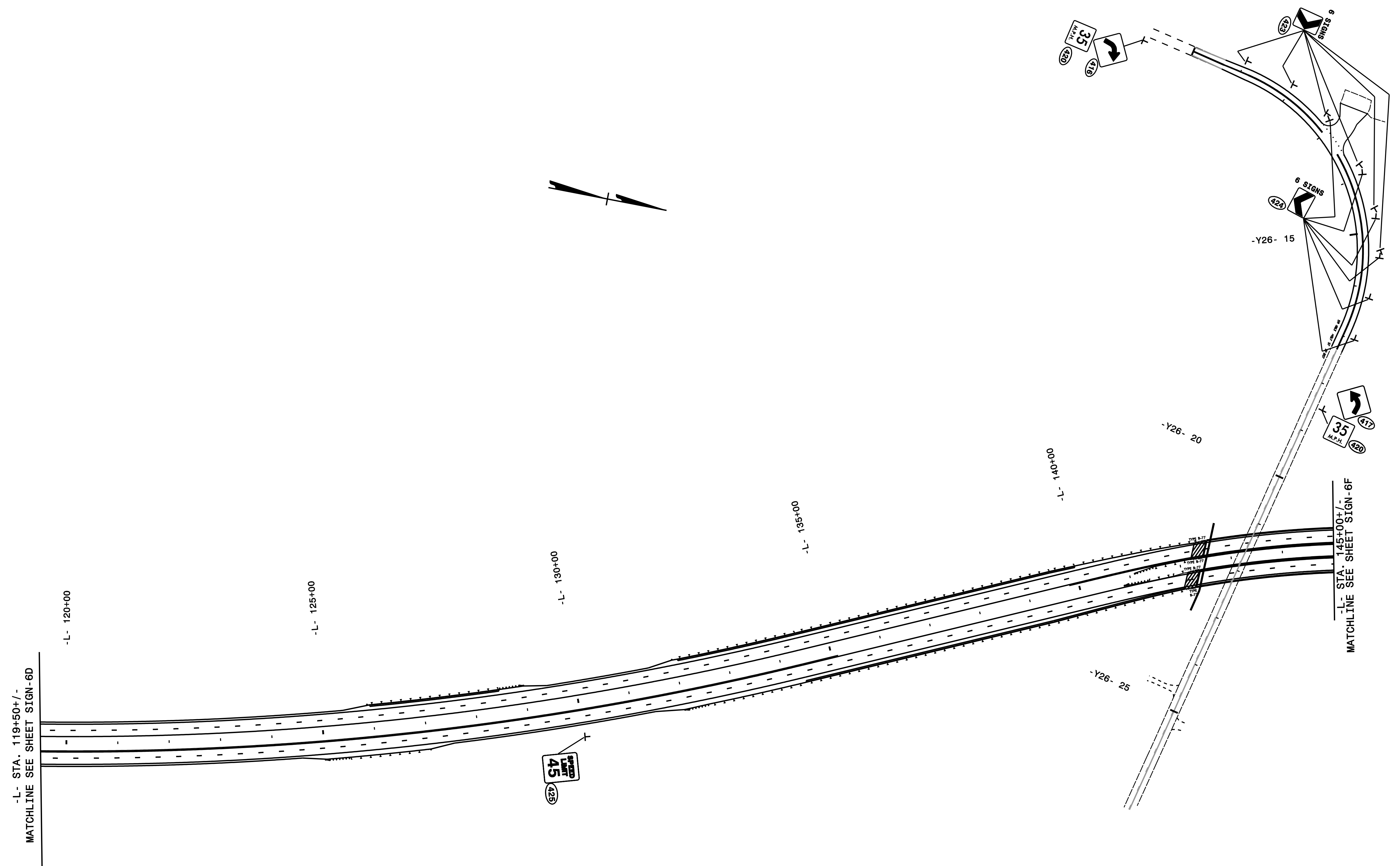


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN PREPARED IN THE OFFICE OF:
PROGRESSIVE
DESIGN GROUP, INC.
ENGINEERS • CONSULTANTS

APPROVED: *Jim Gray* DATE: 2/28/2017
SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
JIM ARE
SEAL
025465

SIGNING PLAN



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN PREPARED IN THE OFFICE OF:

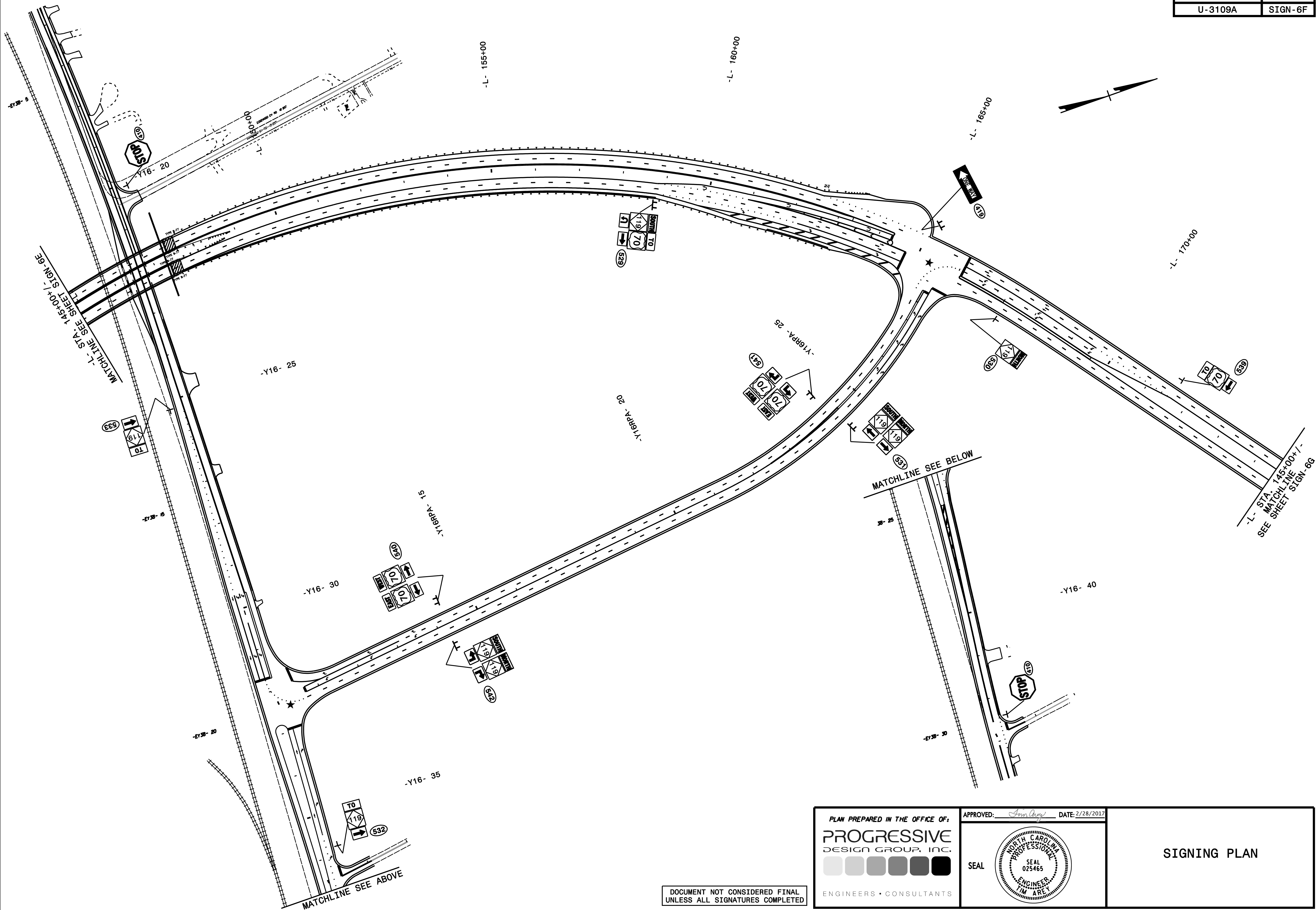
PROGRESSIVE
DESIGN GROUP, INC.

ENGINEERS • CONSULTANTS

APPROVED: *Tommy* DATE: 2/28/2017

SEAL

SIGNING PLAN



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN PREPARED IN THE OFFICE OF:

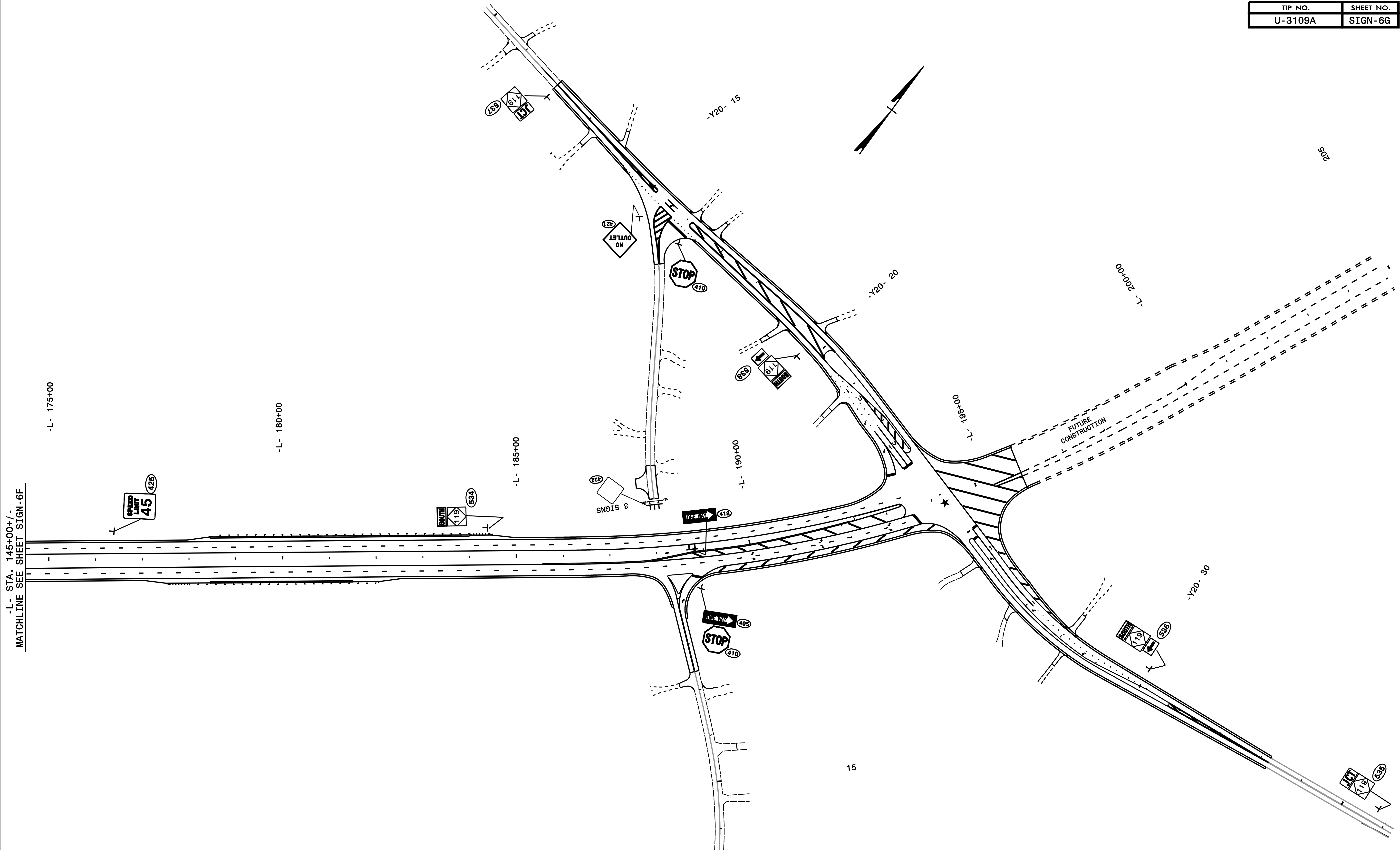
PROGRESSIVE
DESIGN GROUP, INC.

ENGINEERS • CONSULTANTS

APPROVED: *John Gray* DATE: 2/28/2017

SEAL

SIGNING PLAN



-L- STA. 145+00+/-
MATCHLINE SEE SHEET SIGN-6F

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PLAN PREPARED IN THE OFFICE OF:
PROGRESSIVE DESIGN GROUP, INC.
ENGINEERS • CONSULTANTS

APPROVED: *Tommy* DATE: 2/28/2017

SEAL

SIGNING PLAN