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**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

SIGNING PLAN

CUMBERLAND COUNTY

**LOCATION: BRIDGE NO. 116 OVER CSX RR, NORFOLK SOUTHERN RR,
AND HILLSBORO STREET ON NC 24/210**

PROJECT REFERENCE NO. B-4490	SHEET NO. SIGN-1
APPROVED: <i>Ayman Alqudwah</i> <small>F32ACSCAF95472</small>	
DATE: 3/17/2016	
SEAL 	

T.I.P.: B-4490

CONTRACT: 8.1444501

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
901.50	ARROWS AND SHIELDS
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

GENERAL NOTES

- . SIGNS FURNISHED BY STATE
- . 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
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	620	L.F.
4096000000	904	SIGN ERECTION, TYPE D	2	EA.
4102000000	904	SIGN ERECTION, TYPE E	17	EA.
4108000000	904	SIGN ERECTION, TYPE F	6	EA.

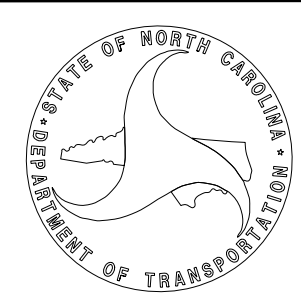
INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	TYPE D SIGNS
SIGN-3	TYPE E SIGNS
SIGN-3A	TYPE F SIGNS
SIGN-4-6	SIGNING PLAN SHEETS

PLAN PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

Ayman I. Alqudwah P.E. SIGNING & DELINEATION REGIONAL ENGINEER

Barry Nowlin SIGNING & DELINEATION PROJECT DESIGNER





SIGN NUMBER: 301 TYPE: B QUANTITY: 1 SIGN WIDTH: 4'-0" HEIGHT: 4'-0" TOTAL AREA: 16.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: 2 LENGTH: 40.0	BACKG COLOR: Brown COPY COLOR: Brown SYMBOL AR_Type D X 19.4 Y 2.2 WID 6 HT 9 MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: B. Nowlin PROJECT ID: B-4490 CHECKED BY: LOCATION: DIV 6 May 20, 2015 DIV: 6
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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										Series/Size		
Letter spacings are to start of next letter										Text Length		
A	i	r	b	o	r	n	e			D 2000		
9	5.9	2.2	3	4.3	4.6	3	4.4	3.5	8.1	31		
&	S	p	e	c	i	a	l			D 2000		
6.2	5.3	6	5	4.3	4.1	4.3	1.9	4.6	1	5.3	36.5	
O	p	e	r	a	t	i	o	n	s	D 2000		
5.2	5.5	4.3	4.4	2.7	4	3.1	1.9	4.6	4.3	2.8	5.2	37.6
M	u	s	e	u	m					D 2000		
9.5	5.9	4.4	3.4	4.3	4.7	5.9	9.8			28.7		

FILENAME: B-4490_Sgn_SGN_designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302 TYPE: D QUANTITY: 1 SIGN WIDTH: 6'-6" HEIGHT: 2'-0" TOTAL AREA: 13.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: Green SYMBOL AR_Type D X 5.2 Y 9 WID 6 HT 9 MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: B. Nowlin PROJECT ID: B-4490 CHECKED BY: LOCATION: DIV 6 May 20, 2015 DIV: 6
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USE NOTES: 1,2
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.

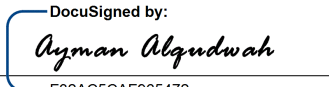
Note: Mount Above Sign 501

Spacing Factor is 1 unless specified otherwise

Letter positions										Series/Size						
Letter spacings are to start of next letter										Text Length						
N	o	r	t	h	C	a	r	o	l	i	n	a	D 2000			
18.9	5.2	4.6	2.5	3.1	3.5	6	5	4.6	2.8	4.6	2.2	2.2	4.4	3.4	5.3	53.9
V	e	t	e	r	a	n	s	P	a	r	k					D 2000
20.3	5.1	3.8	2.8	4.4	2.7	4.6	4.3	2.8	6	4.6	4.6	3	3.8	5.3	52.5	

FILENAME: B-4490_Sgn_SGN_designs NORTH CAROLINA D.O.T. SIGN DETAIL

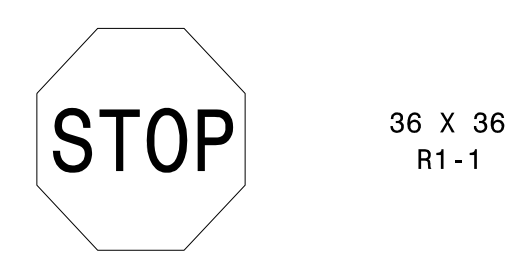
TYPE D SIGNS

APPROVED: 
DocuSigned by:
Ayman Alquodwah
F32AC5CAF965472

DATE: 8/31/2015



401 QUANTITY REQ'D 5



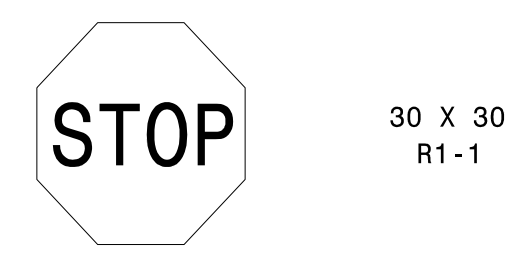
TWO "U" POSTS PER SIGN

402 QUANTITY REQ'D 7



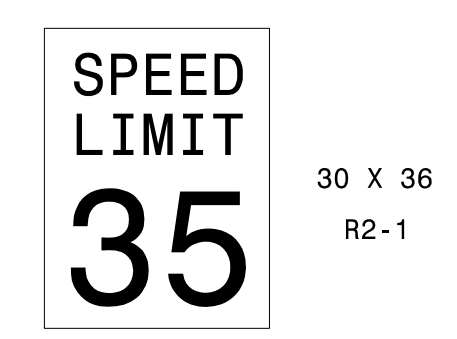
MOUNTED ABOVE 401 IN THREE APPLICATIONS
TWO "U" POST PER SIGN

403 QUANTITY REQ'D 1



ONE "U" POST PER SIGN

404 QUANTITY REQ'D 4

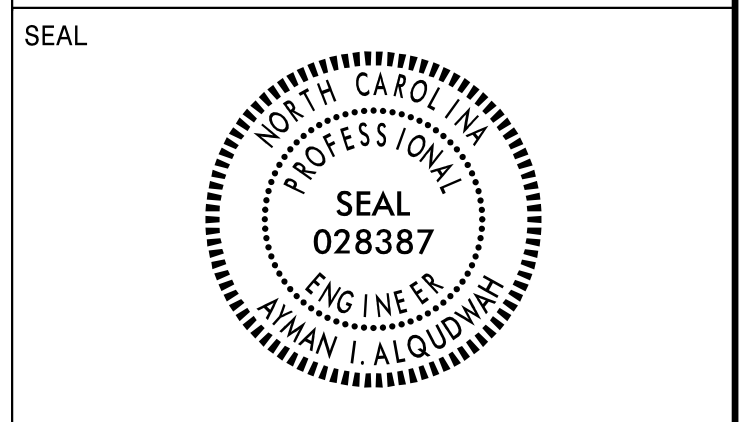


ONE "U" POST PER SIGN

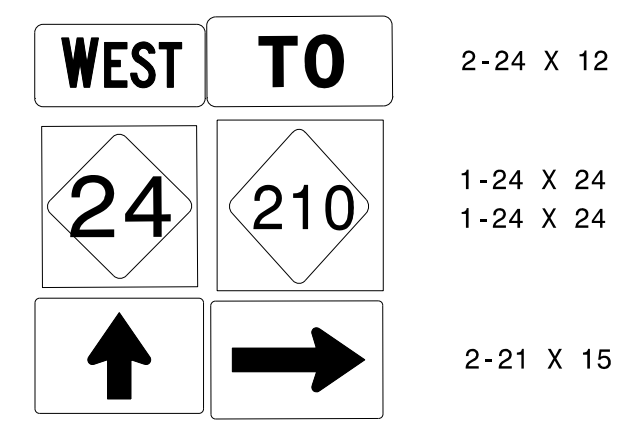
TYPE "E" SIGNS

APPROVED: *Ayman Alqudwah*
F20A650AF96472

DATE: 8/31/2015

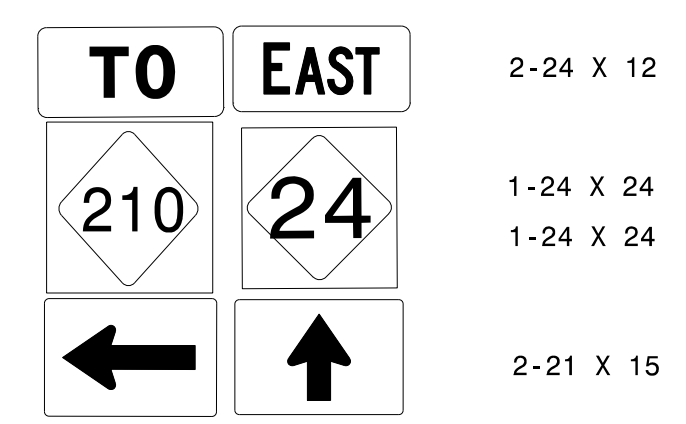


501 QUANTITY REQ'D 1



TWO "U" POSTS PER SIGN

505 QUANTITY REQ'D 1



TWO "U" POSTS PER SIGN

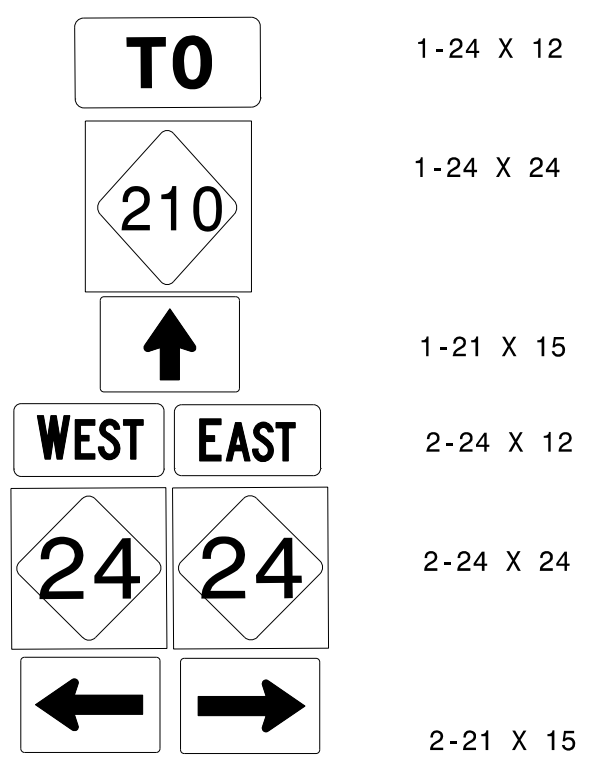
Ayman

502 QUANTITY REQ'D 2



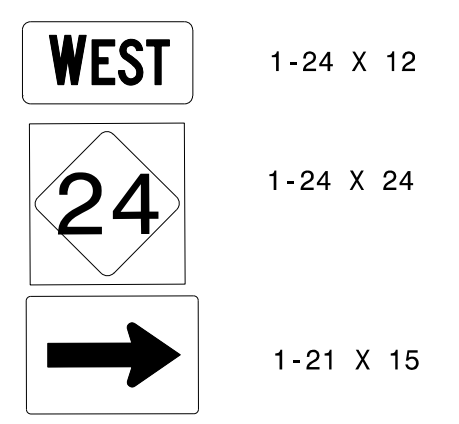
ONE "U" POST PER SIGN

503 QUANTITY REQ'D 1



TWO "U" POSTS PER SIGN

504 QUANTITY REQ'D 1

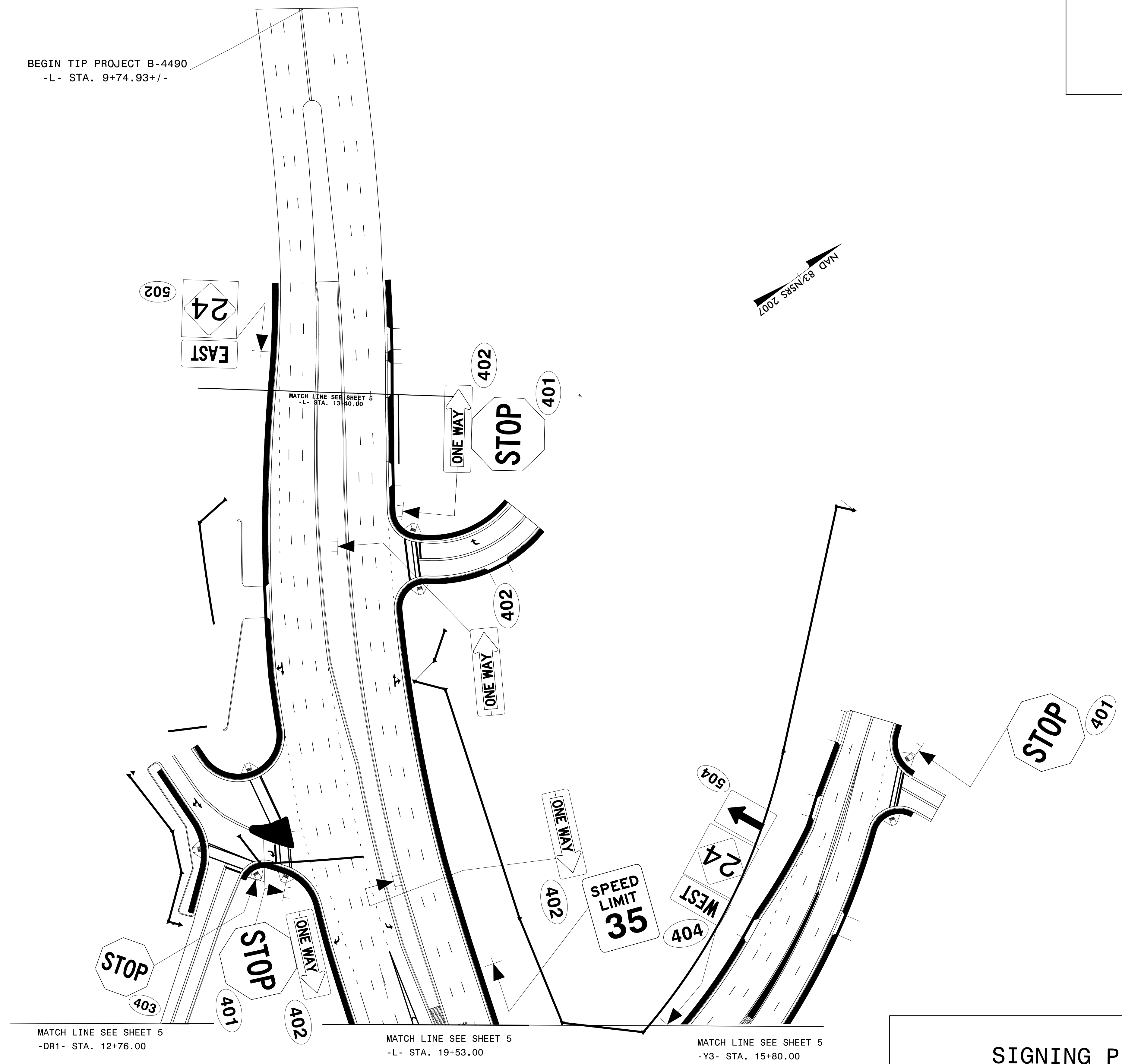


ONE "U" POSTS PER SIGN

TYPE "F" SIGNS



BEGIN TIP PROJECT B-4490
-L- STA. 9+74.93+/-



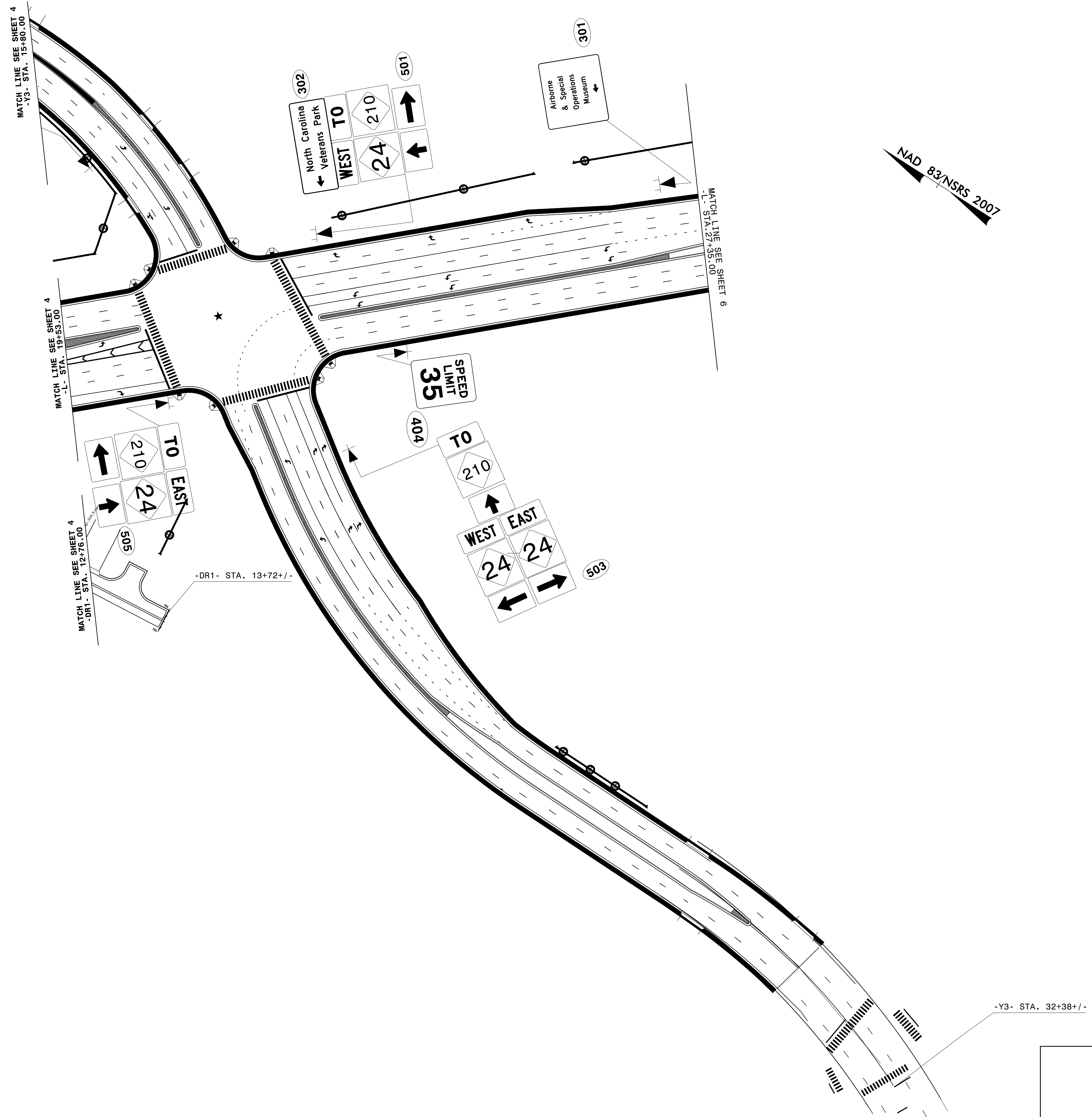
MATCH LINE SEE SHEET 5
-DR1- STA. 12+76.00

MATCH LINE SEE SHEET 5
-L- STA. 19+53.00

MATCH LINE SEE SHEET 5
-Y3- STA. 15+80.00

SIGNING PLAN SHEET

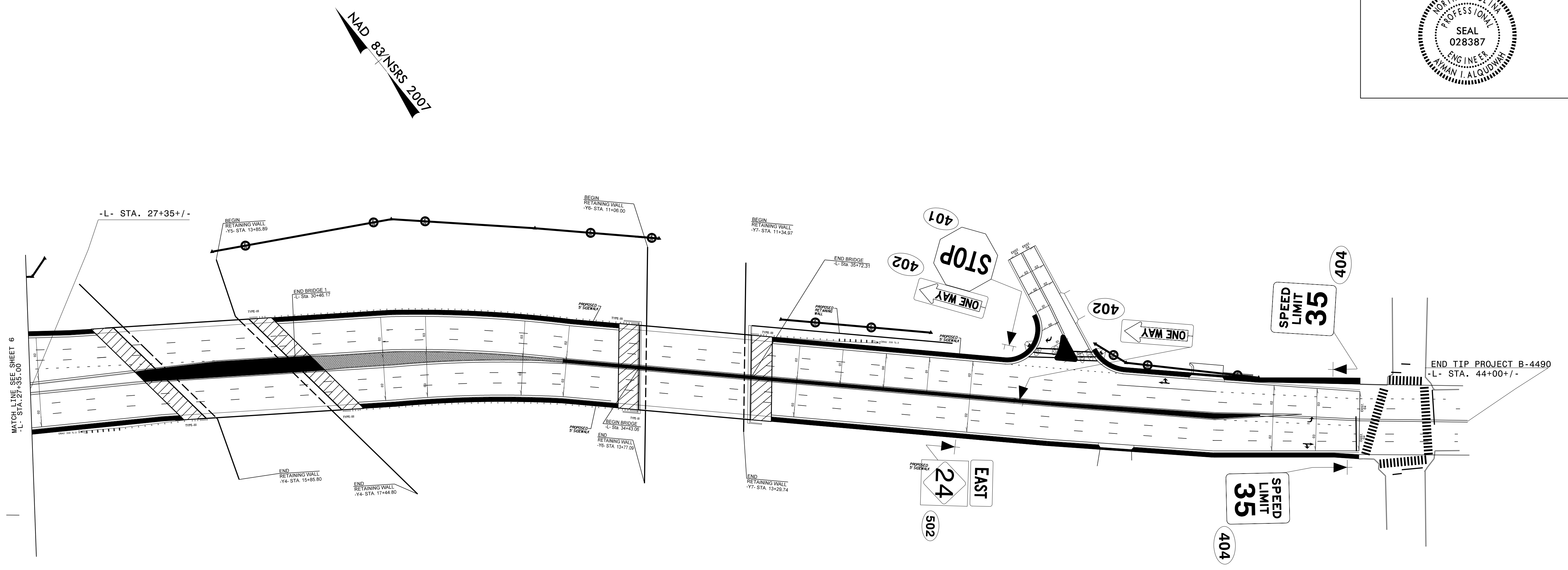
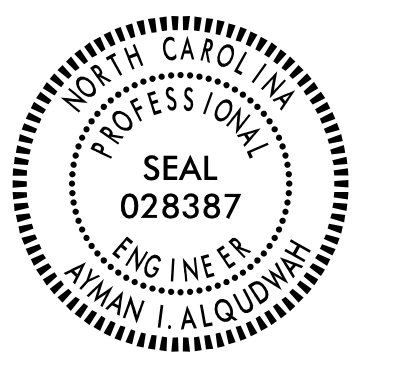
8/31/2015
F:\I\Office\Signing\CADD\Signing Layout Plans\New 90 % FILES\B-4490_5gn_SGN.L5.dgn
User:hbrown



TIP NO. B-4490	SHEET NO. SIGN-5
APPROVED: <i>Ayman Alqudwa</i> <small>DocuSigned by: F32AC5CAF96472...</small>	
DATE: 8/31/2015	
SEAL	

Professional Engineer Seal for Ayman I. Alqudwa, No. 028387, State of North Carolina.

SIGNING PLAN SHEET



8/31/2015
 P:\1\Office\Signing\CADD\Signing Layout Plans\New 90 % FILES\B-4490_Sgn_SON_6.dgn
 User:bnwlin

SIGNING PLAN SHEET