

8/17/99

TIP NO.	SHEET NO.
I-2810	SIGN - 1

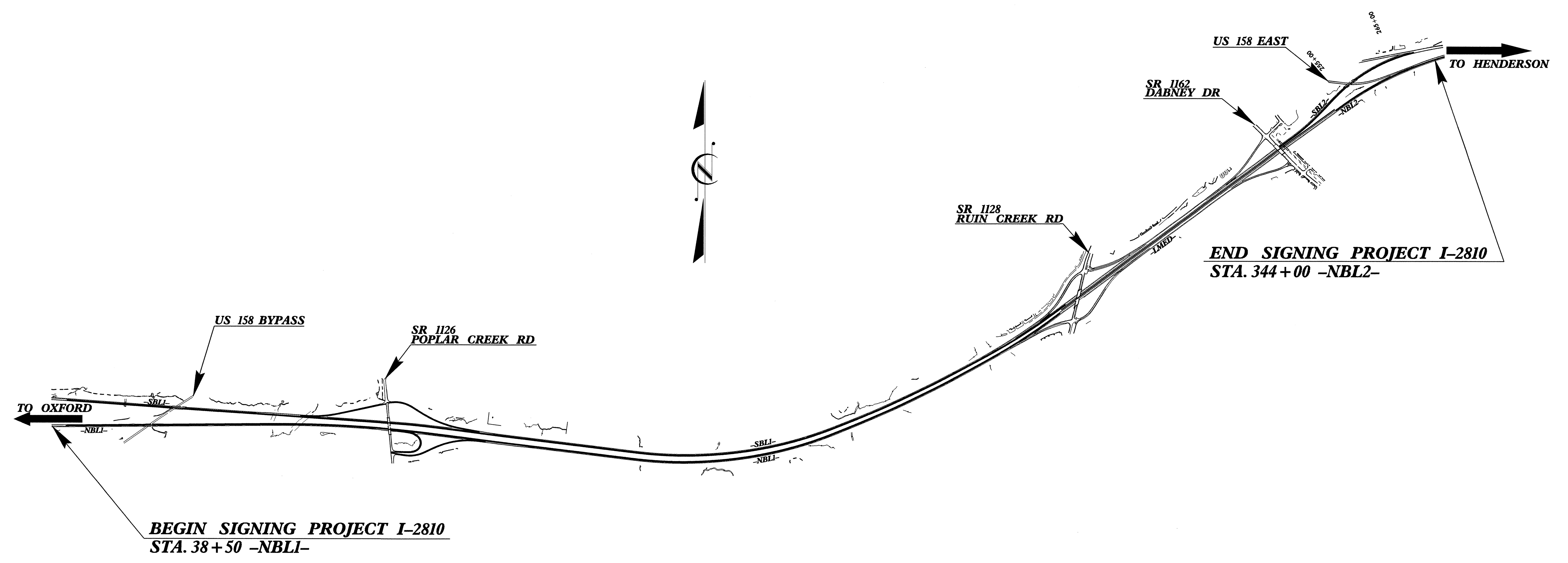
**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS  
VANCE COUNTY**

LOCATION: I-85 FROM THE GRANVILLE COUNTY LINE (MP 208.5)  
TO US 158 (MP 213.5)

**TIP PROJECT: I-2810**

**CONTRACT: C201791**



**INDEX**

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SUMMARY OF QUANTITIES & NOTES
3A - 3I	SUPPORT INFORMATION AND OVERHEAD STRUCTURE LINE DRAWINGS
4A - 4P	SIGN DESIGN SHEETS, "E" AND "F" SHEETS
5 - 15	SIGN ROADWAY SHEETS

**ROADWAY STANDARD DRAWINGS  
APPLICABLE TO THESE SIGNING PLANS**

901.10	901.70	903.10
901.20	904.10	904.40
901.50	904.20	904.50

PLAN PREPARED BY: N.C.D.O.T. SIGNING SECTION	SEAL
RON KING, P.E. SIGNING ENGINEER A. I. ALQUDWAH, P.E. SIGNING PROJECT ENGINEER D. M. EATON SIGNING PROJECT DESIGN ENGINEER E. E. WARD SIGNING DESIGN ENGINEER	

# SIGNS

## SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION .....	18	C.Y.
4057000000	SP	OVERHEAD FOOTINGS .....	36	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM .....	13,904	LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL .....	2,095	L.F.
4078000000	903	SUPPORTS, 2 LB STEEL U-CHANNEL .....	12	EA.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION 299+00 -LMED- .....	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION 285+65 -LMED- .....	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION 302+00 -LMED- .....	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION 295+00 -LMED- .....	1	L.S.
4096000000	904	SIGN ERECTION, TYPE D .....	21	EA.
4102000000	904	SIGN ERECTION, TYPE E .....	58	EA.
4108000000	904	SIGN ERECTION, TYPE F .....	20	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED) .....	18	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED) .....	10	EA.
4114000000	904	SIGN ERECTION, MILEMARKERS .....	12	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE D .....	2	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E .....	1	EA.
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM .....	19	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL .....	97	EA.
4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD .....	2	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL .....	2	EA.

## NOTES

### Pay Item Notes:

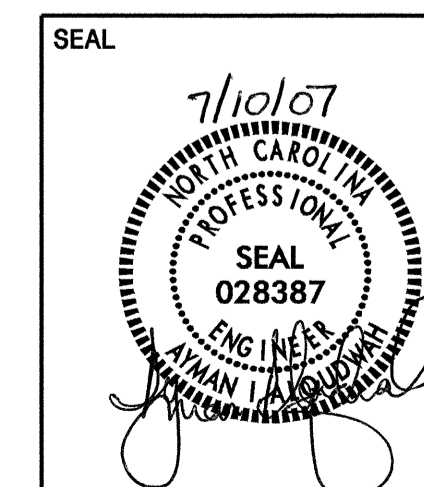
- |   |                                     |
|---|-------------------------------------|
| 1 | DISPOSAL OF SIGN SYSTEM, U-CHANNEL  |
| 2 | DISPOSAL OF SIGN SYSTEM, STEEL BEAM |
| 3 | RELOCATE SIGN, TYPE E               |
| 4 | RELOCATE SIGN, TYPE D               |
| 5 | DISPOSAL OF SUPPORT, U-CHANNEL      |
| 6 | DISPOSAL OF SIGN SYSTEM, WOOD       |

### Project Notes:

- |    |   |
|----|---|
| A. | REPLACE PROPOSED SIGN IN EXISTING LOCATION PLUS OR MINUS 10'. |
| B. | DO NOT REMOVE EXISTING SIGN.                                  |

### 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.
- . SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING OR PAVEMENT MARKINGS. SEE TRAFFIC CONTROL PLANS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE III REFLECTIVE SHEETING.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.
- . ALL OVERHEAD SIGNS SHALL HAVE TYPE IX SHEETING FOR THE BORDERS, TEXT, ARROWS, AND SHIELDS. BACKGROUND SHEETING SHALL BE TYPE III.



### SUMMARY OF QUANTITIES AND NOTES

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

5/14/99  
06-JUL-2007 16:05  
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I2810\traffic\signing\sgn\sgn\_title.dgn

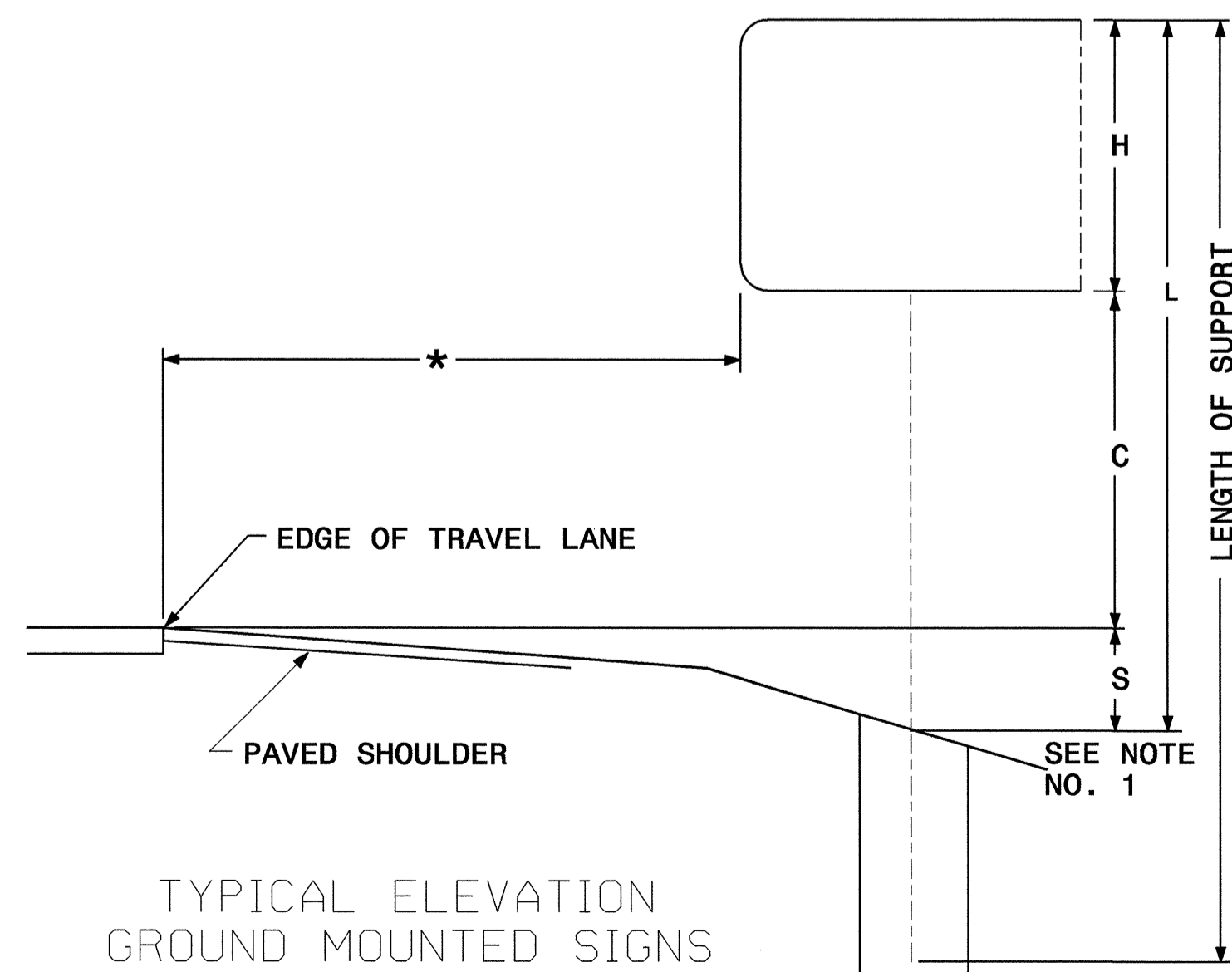
SIGN NO.	SIGN TYPE	SIGN SIZE (in.)			ROADWAY STATION	NO. OF SUP.	BEAM SECTION	SUPPORT TYPE BA OR S	ATTACH METHOD	MOUNTING METHOD	HORIZ. CLR.* (ft.)	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			FOOTING DIAMETER (ft.)	FOOTING DEPTH (ft.)	B/A SUPPORT WEIGHTS (lbs.)	SIMPLE SUPPORT WEIGHTS (lbs.)	REINF. FTGS. (c.y.)	FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
		w	x	h								SNS H	MTG HT C	EMBED-MENT	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH						
101A	B	114	X	30	38+60 NBL1	3	W6x9	BA	1-R	N/A	30.00	5.50	7.00	5	3.75	16.25	21.25	3.00	15.50	20.50	2.25	14.75	19.75	1.5	5.5	648.18	0.00	1.08	
101B	A	240	X	66																									
102	B	108	X	36	88+00 NBL1	2	S4x7.7	BA	N/A	N/A	30.00	3.00	7.00	3.5	5.05	15.05	18.55	0.00	0.00	0.00	4.38	14.38	17.88	1	4	321.12	0.00	0.23	
103A	B	114	X	30	91+40 NBL1	3	W6x12	BA	1-R	N/A	30.00	5.50	7.00	5.5	4.69	17.19	22.69	6.24	18.74	24.24	7.76	20.26	25.76	1.5	6	1000.32	0.00	1.18	
103B	A	240	X	66																									
104	A	246	X	76	108+30 NBL1	3	W6x9	BA	N/A	N/A	30.00	6.33	7.00	5	3.50	16.83	21.83	2.33	15.66	20.66	1.00	14.33	19.33	1.5	5.5	651.15	0.00	1.08	
105A	B	114	X	30	118+30 NBL1	3	W6x9	BA	1-R	N/A	30.00	5.00	7.00	5	4.50	16.50	21.50	3.67	15.67	20.67	3.13	15.13	20.13	1.5	5.5	655.38	0.00	1.08	
105B	A	240	X	60																									
106A	B	114	X	30	137+50 NBL1	3	W6x9	BA	1-R	N/A	23.00	3.50	9.92	4.5	2.63	16.05	20.55	0.84	14.26	18.76	-2.92	10.50	15.00	1.5	5	583.47	0.00	0.98	
106B	A	276	X	42																									
107A	B	114	X	30	162+40 SBL1	3	W6x9	BA	1-R	N/A	30.00	3.50	7.00	5	4.65	15.15	20.15	6.72	17.22	22.22	8.73	19.23	24.23	1.5	5.5	694.08	0.00	1.08	
107B	A	276	X	42																									
108A	B	114	X	30	184+40 SBL1	3	W6x12	BA	1-R	N/A	20.00	5.00	7.00	5.5	2.56	14.56	20.06	4.39	16.39	21.89	7.60	19.60	25.10	1.5	6	932.64	0.00	1.18	
108B	A	240	X	60																									
109A	B	108	X	30	203+70 NBL1	2	W6x16	BA	1-R	N/A	20.00	5.50	7.00	6	2.54	15.04	21.04	0.00	0.00	0.00	5.92	18.42	24.42	1.5	6.5	859.74	0.00	0.85	
109B	A	216	X	66																									
110	A	246	X	78	194+40 SBL1	3	W6x12	BA	N/A	N/A	30.00	6.50	7.00	5	3.81	17.31	22.31	5.25	18.75	23.75	6.18	19.68	24.68	1.5	5.5	976.92	0.00	1.08	
111A	B	114	X	30	210+80 SBL1	3	W6x9	BA	1-R	N/A	30.00	5.50	7.00	5	3.62	16.12	21.12	2.17	14.67	19.67	0.95	13.45	18.45	1.5	5.5	627.84	0.00	1.08	
111B	A	240	X	66																									
112	A	138	X	54	220+75 NBL1	2	W6x9	BA	N/A	N/A	20.00	4.50	7.00	4.5	3.93	15.43	19.93	0.00	0.00	0.00	8.87	20.37	24.87	1.5	5	466.32	0.00	0.65	
113A	B	108	X	30	230+75 NBL1	2	W6x16	BA	1-R	N/A	30.00	5.50	7.00	6	3.89	16.39	22.39	0.00	0.00	0.00	2.22	14.72	20.72	1.5	6.5	822.14	0.00	0.85	
113B	A	216	X	66																									
114A	B	114	X	30	237+20 SBL1	3	W6x9	BA	1-R	N/A	30.00	5.50	7.00	5	2.47	14.97	19.97	0.19	12.69	17.69	2.09	14.59	19.59	1.5	5.5	609.93	0.00	1.08	
114B	A	240	X	66																									
115	A	108	X	60	248+90 NBL1	2	S4x7.7	BA	N/A	N/A	20.00	5.00	7.00	4	2.16	14.16	18.16	0.00	0.00	0.00	2.83	14.83	18.83	1	4.5	325.43	0.00	0.26	
116A	B	108	X	30	256+90 NBL1	3	W6x9	BA	1-R	N/A	30.00	3.50	7.00	4.5	4.89	15.39	19.89	6.43	16.93	21.43	7.13	17.63	22.13	1.5	5	665.73	0.00	0.98	
116B	A	252	X	42																									
117	A	108	X	60	290+35 LMED	2	S4x7.7	BA	N/A	N/A	20.00	5.00	7.00	4	2.44	14.44	18.44	0.00	0.00	0.00	3.33	15.33	19.33	1	4.5	331.44	0.00	0.26	
118	A	180	X	60	339+00 NBL2	2	W6x9	BA	N/A	N/A	30.00	5.00	7.00	4.5	2.12	14.12	18.62	0.00	0.00	0.00	2.06	14.06	18.56	1.5	5	397.74	0.00	0.65	
119A	B	108	X	30	324+95 SBL2	2	W8x18	BA	1-R	N/A	20.00	5.50	7.00	6	4.24	16.74	22.74	0.00	0.00	0.00	9.08	21.58	27.58	2	6.5	1067.88	0.00	1.51	
119B	A	216	X	66																									
201	A	90	X	60	145+75 NBL1	2	S3x5.7	BA	N/A	N/A	30.00	5.00	7.00	3.5	1.00	13.00	16.50	0.00	0.00	0.00	1.00	13.00	16.50	1	4	223.63	0.00	0.23	
202	A	90	X	60	152+50 SBL1	2	S3x5.7	BA	N/A	N/A	30.00	5.00	7.00	3.5	1.00	13.00	16.50	0.00	0.00	0.00	1.00	13.00	16.50	1	4	223.63	0.00	0.23	
203	A	90	X	60	260+70 NBL1	2	S3x5.7	BA	N/A	N/A	30.00	5.00	7.00	3.5	1.00	13.00	16.50	0.00	0.00	0.00	1.00	13.00	16.50	1	4	223.63	0.00	0.23	
204	A	90	X	60	281+00 LMED	1	S4x7.7	BA	N/A	N/A	30.00	5.00	7.00	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	5	147.35	0.00	0.15	
205	A	90	X	60	306+10 LMED	2	S3x5.7	BA	N/A	N/A	30.00	5.00	7.00	3.5	1.00	13.00	16.50	0.00	0.00	0.00	1.00	13.00	16.50	1	4	223.63	0.00	0.23	
206	A	90	X	60	341+00 SBL2	2	S3x5.7	BA	N/A	N/A	30.00	5.00	7.00	3.5	1.00	13.00	16.50	0.00	0.00	0.00	1.00	13.00	16.50	1	4	223.63	0.00	0.23	

TOTAL 13903.01 TOTAL 0.00 TOTAL 18.47

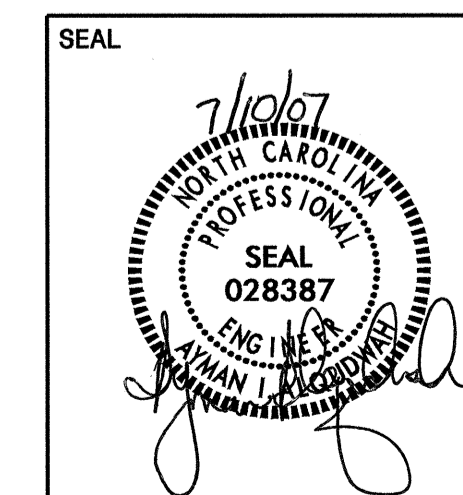
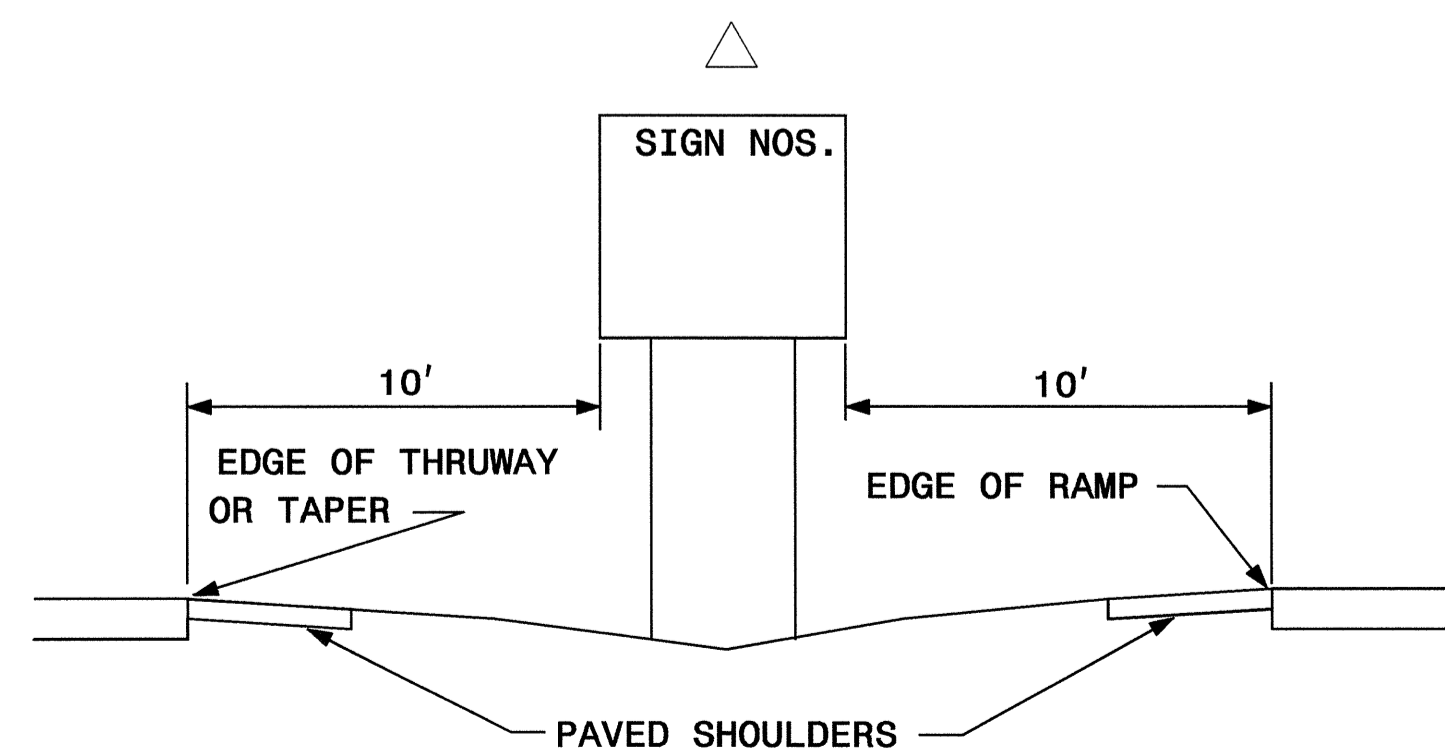
USE: 13904 0 19

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.



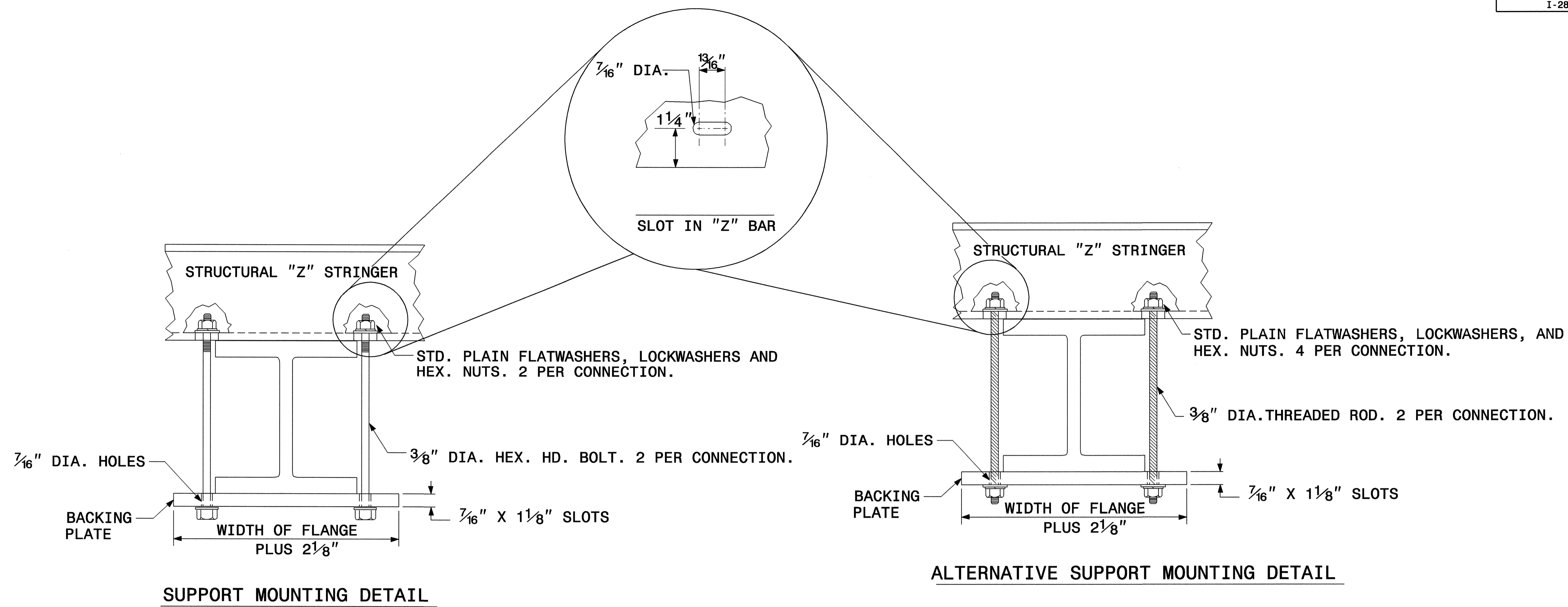
TYPICAL ELEVATION GROUND MOUNTED SIGNS



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

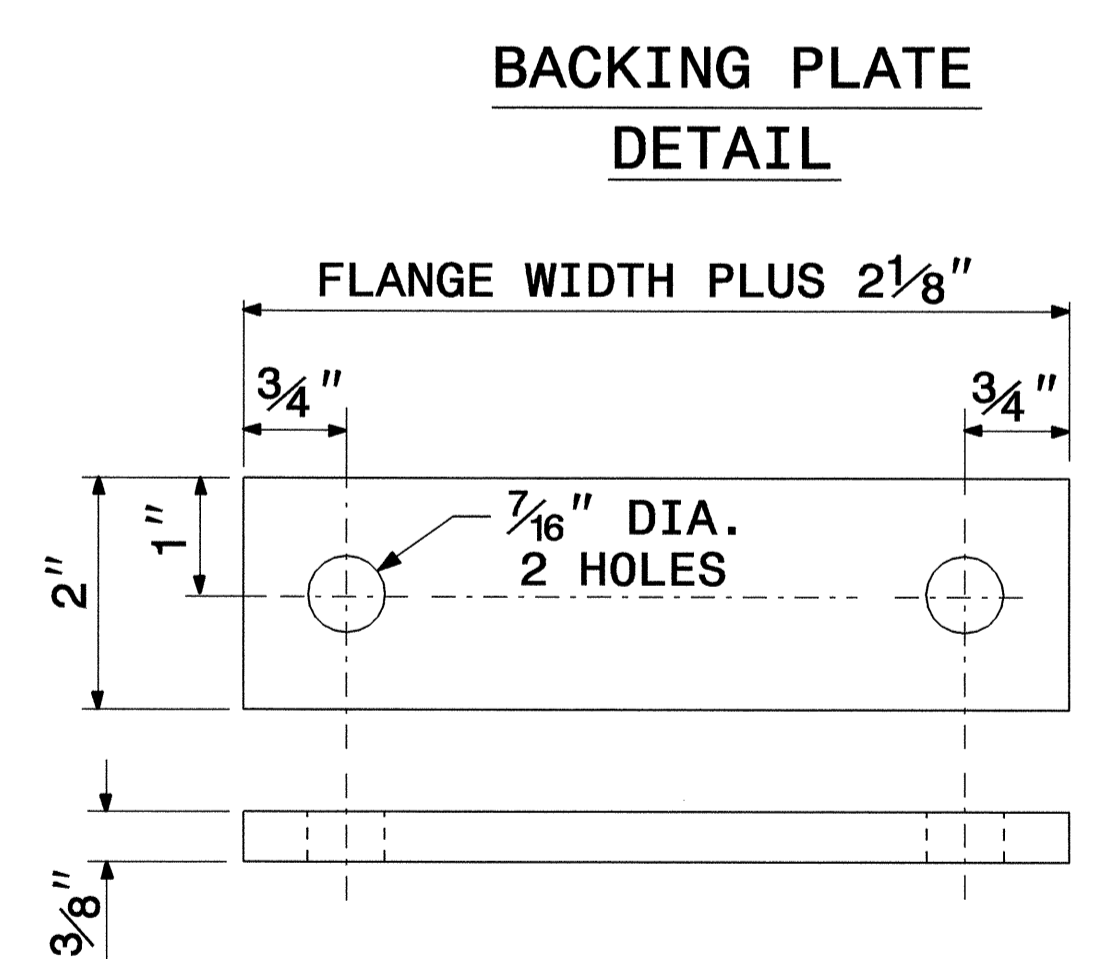
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

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SUPPORT MOUNTING DETAIL

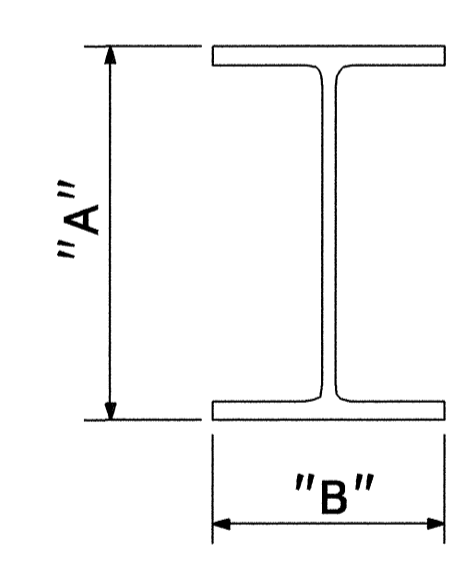
ALTERNATIVE SUPPORT MOUNTING DETAIL



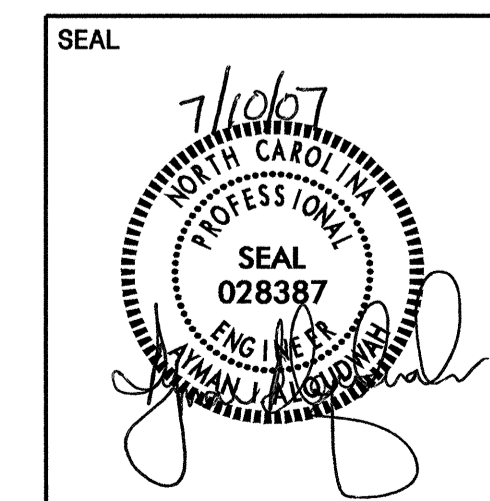
BACKING PLATE  
DETAIL

1. THE SUPPORT MOUNTING DETAIL SHOWS A "W" OR "S" BEAM. THIS DETAIL IS ALSO USED FOR MOUNTING SIGNS TO WOOD OR SQUARE TUBE SUPPORTS.
2. USE GALVANIZED STEEL FOR BACKING PLATES AND MOUNTING BOLTS IN ACCORDANCE WITH ASTM A123.
3. SEE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES FOR TYPE OF MATERIAL TO BE USED FOR SIGN HANGER ASSEMBLIES AND SUPPORTS.
4. USE GALVANIZED STEEL FOR MOUNTING BOTS AND THREADED RODS IN COMPLIANCE WITH ASTM A307 AND ASTM A153.

SIGN SUPPORTS SECTION DIMENSIONS



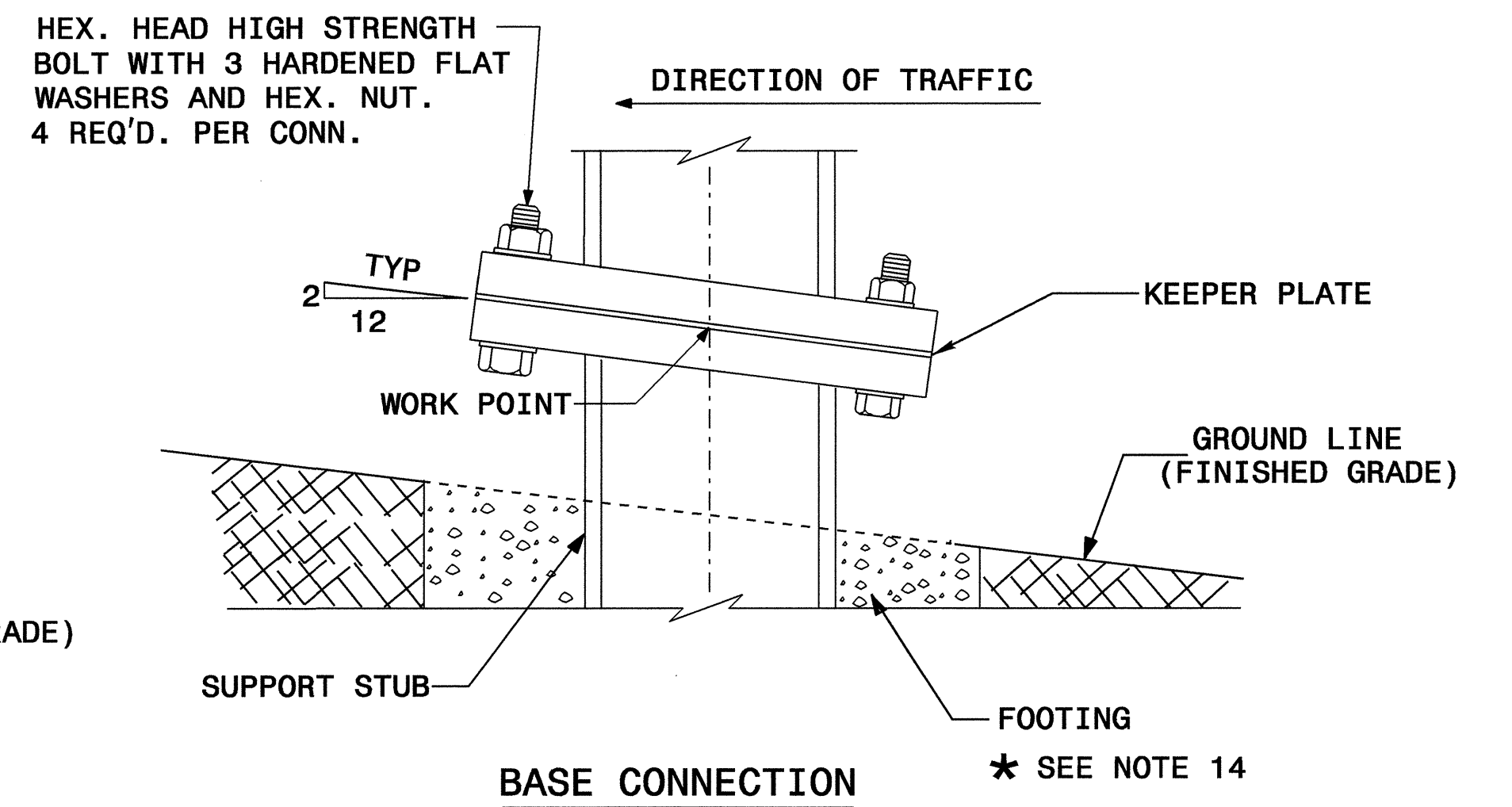
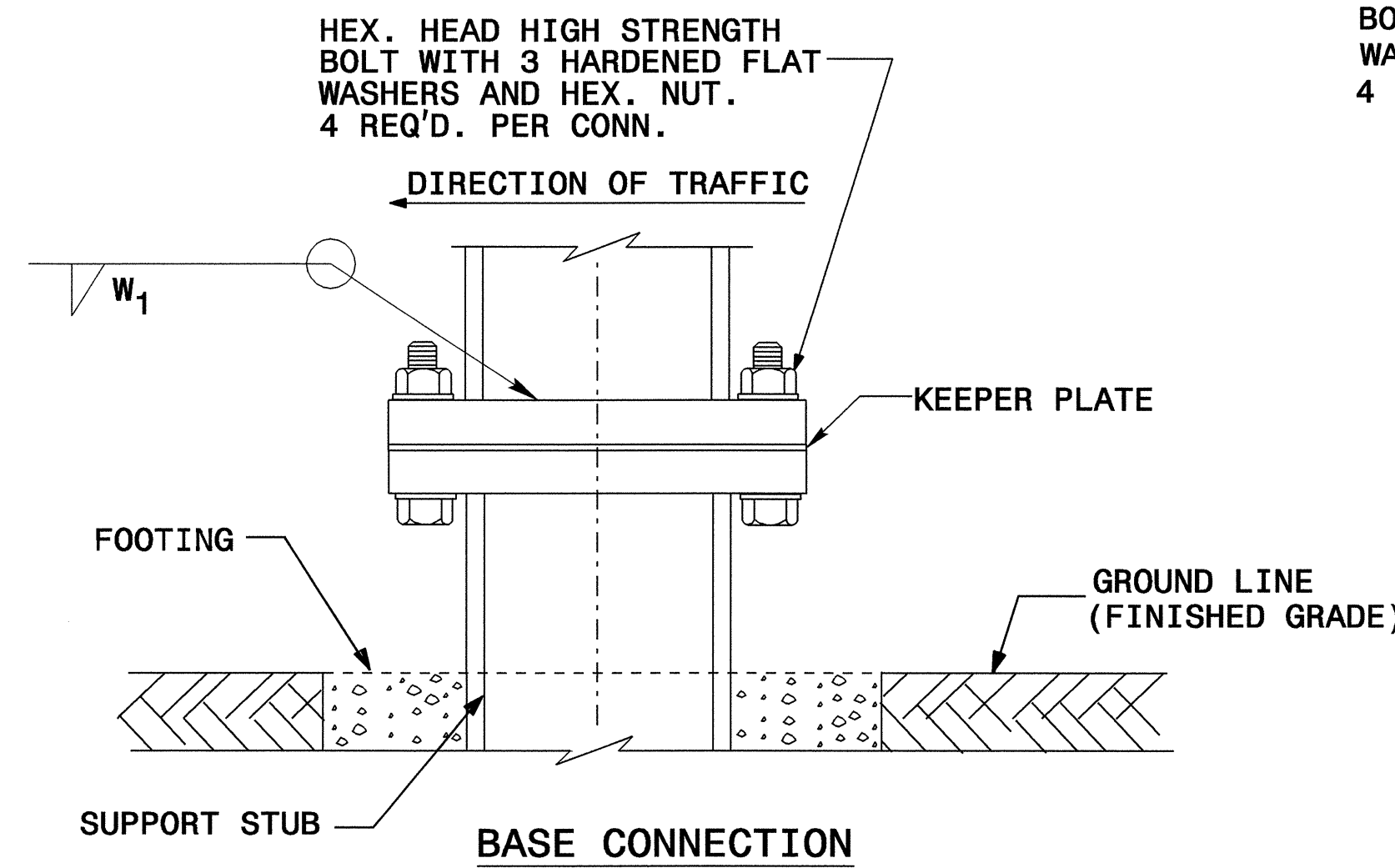
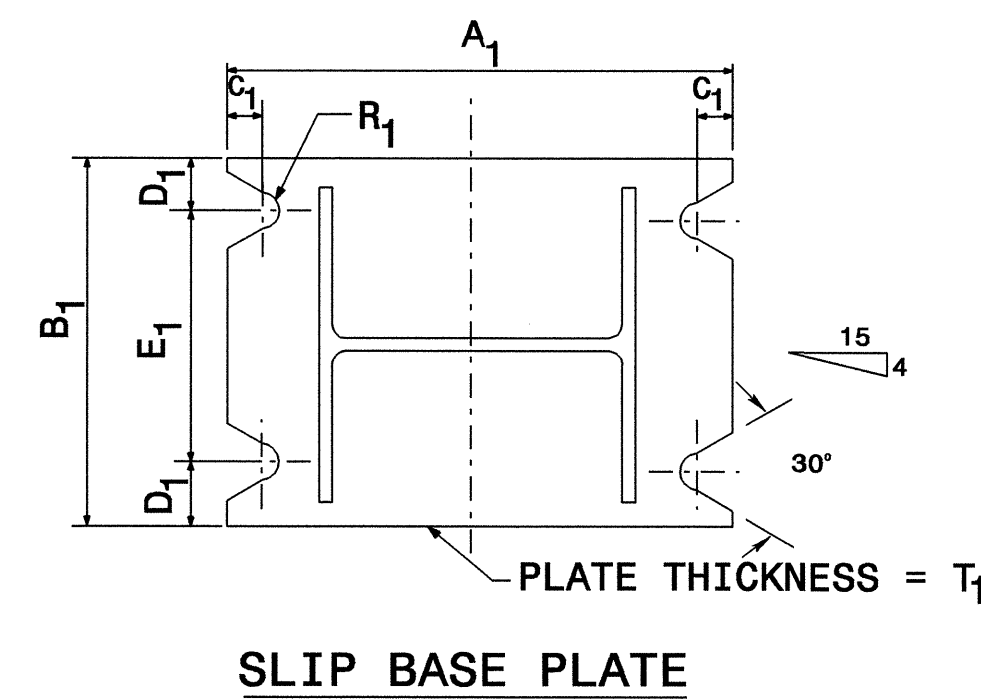
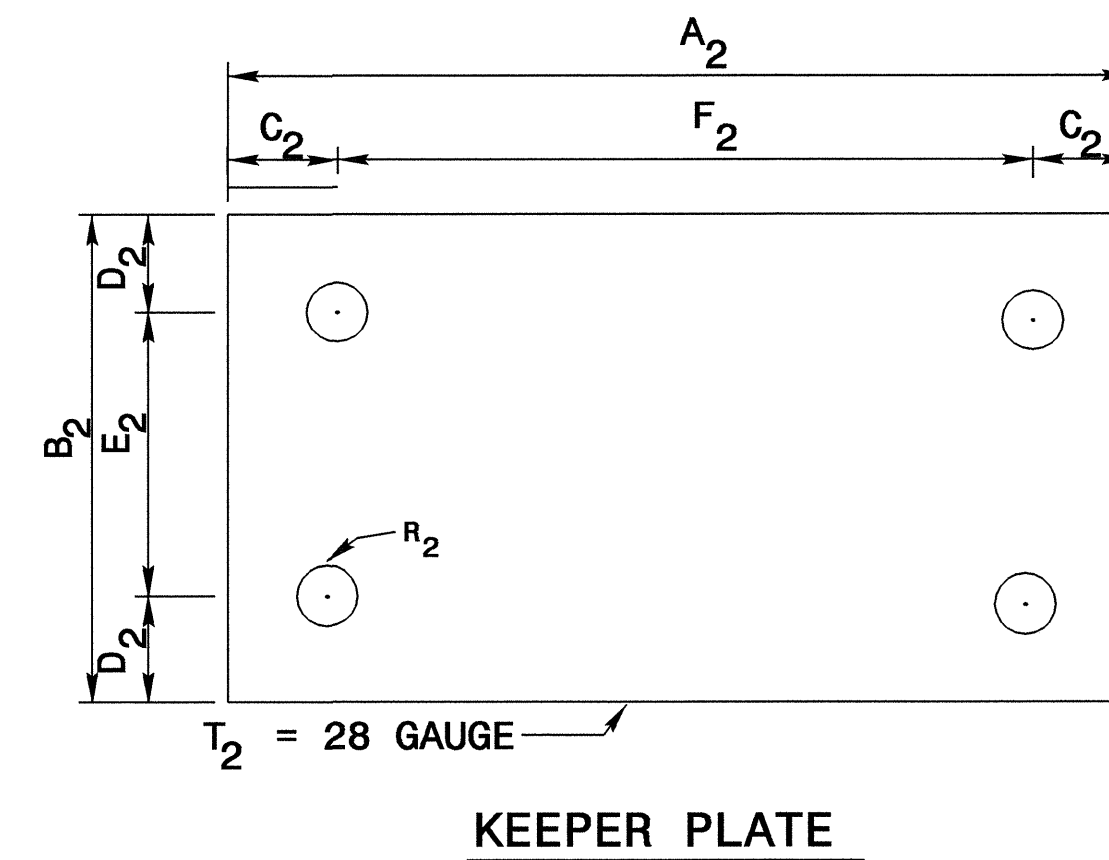
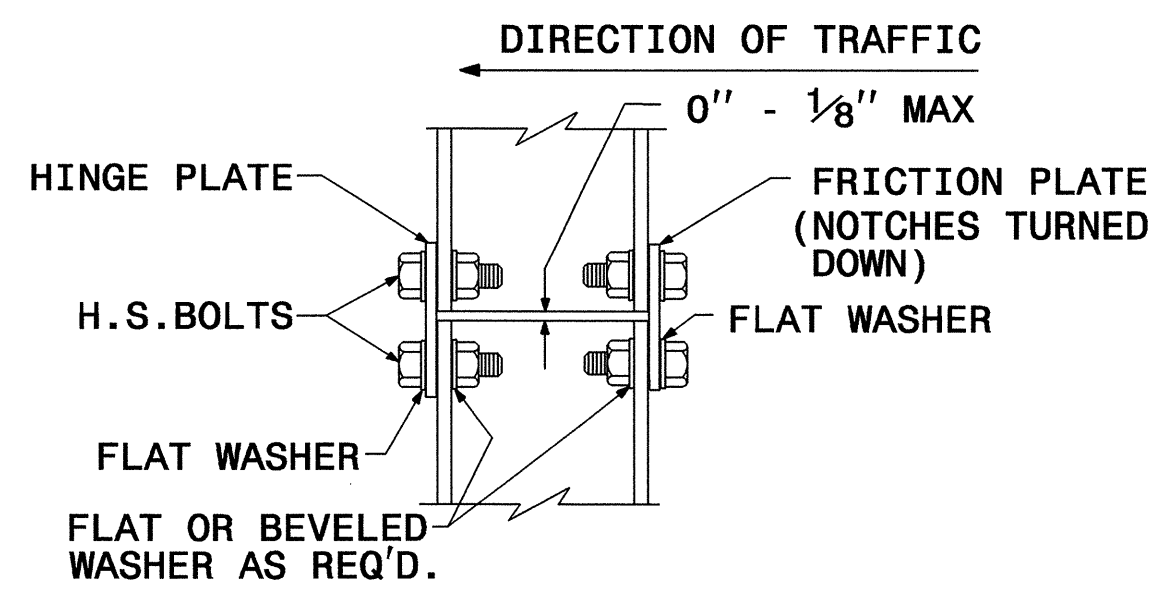
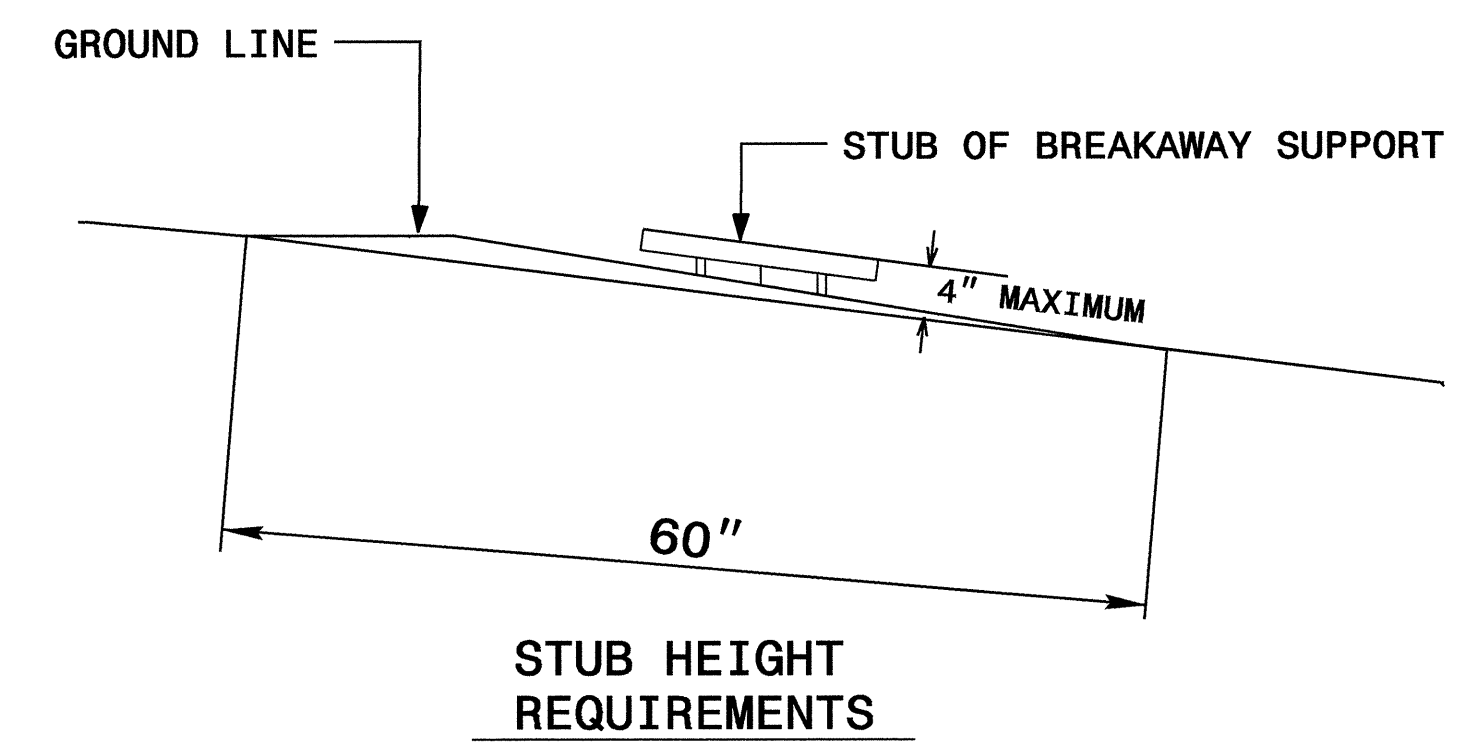
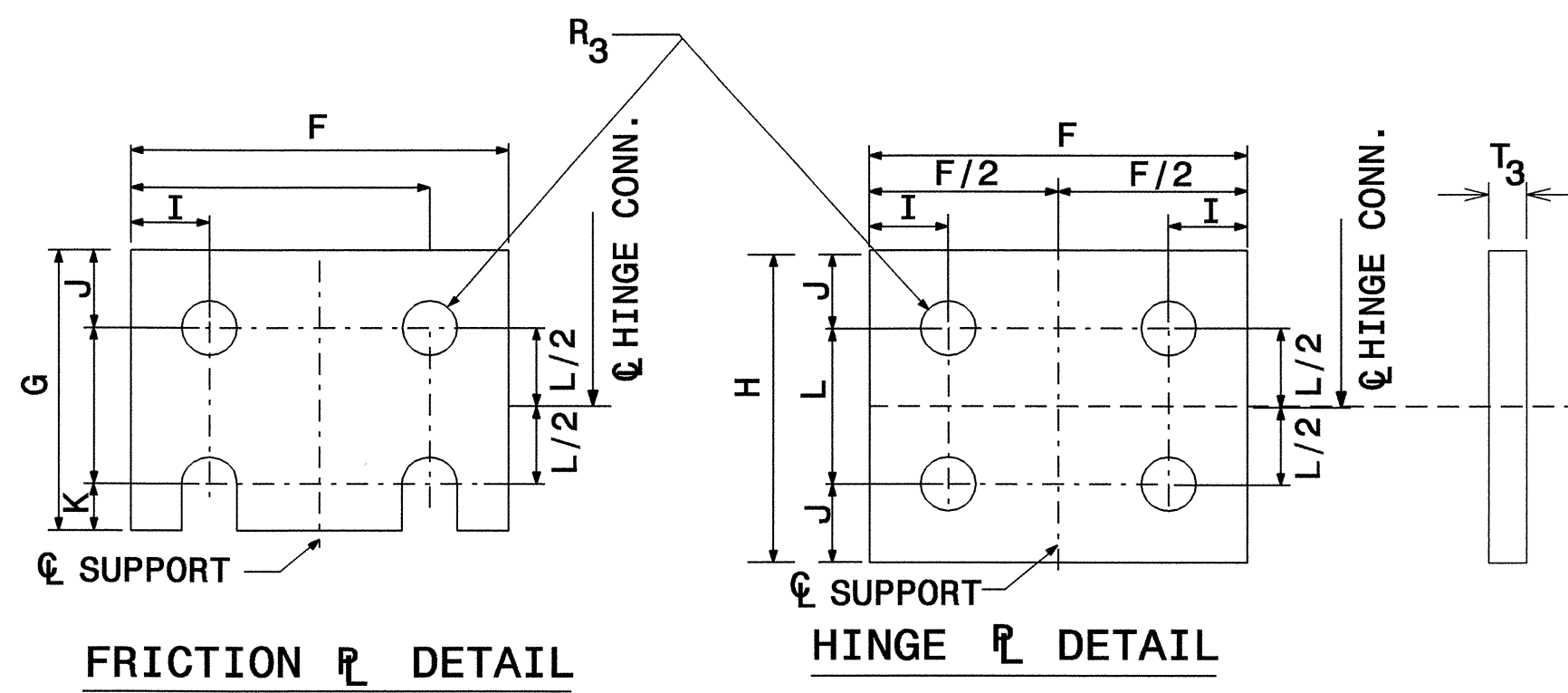
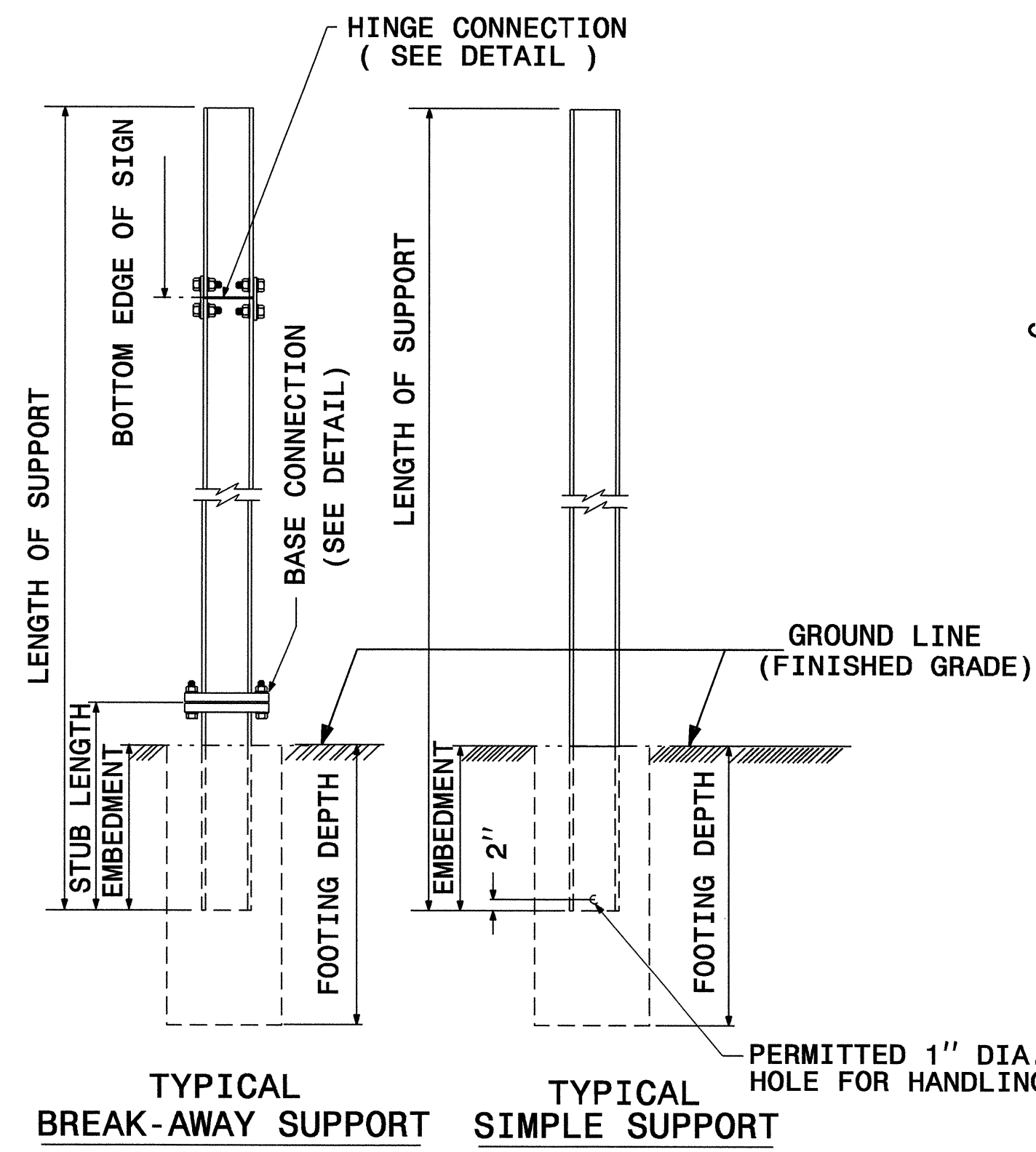
SECTION	A	B
S3 X 5.7	3"	2 <sup>3</sup> / <sub>8</sub> "
S4 X 7.7	4"	2 <sup>5</sup> / <sub>8</sub> "
W6 X 9	6"	4"
W6 X 12	6"	4"
W6 X 16	6 <sup>1</sup> / <sub>4</sub> "	4"
W8 X 18	8 <sup>1</sup> / <sub>8</sub> "	5 <sup>1</sup> / <sub>4</sub> "
W8 X 21	8 <sup>1</sup> / <sub>4</sub> "	5 <sup>1</sup> / <sub>4</sub> "
W10 X 22	10 <sup>1</sup> / <sub>8</sub> "	5 <sup>3</sup> / <sub>4</sub> "
W10 X 26	10 <sup>3</sup> / <sub>8</sub> "	5 <sup>3</sup> / <sub>4</sub> "
W12 X 26	12 <sup>1</sup> / <sub>4</sub> "	6 <sup>1</sup> / <sub>2</sub> "
W14 X 30	13 <sup>7</sup> / <sub>8</sub> "	6 <sup>3</sup> / <sub>4</sub> "
W16 X 31	15 <sup>7</sup> / <sub>8</sub> "	5 <sup>1</sup> / <sub>2</sub> "
W18 X 35	17 <sup>3</sup> / <sub>4</sub> "	6"
W18 X 40	17 <sup>7</sup> / <sub>8</sub> "	6"
W21 X 44	20 <sup>5</sup> / <sub>8</sub> "	6 <sup>1</sup> / <sub>2</sub> "



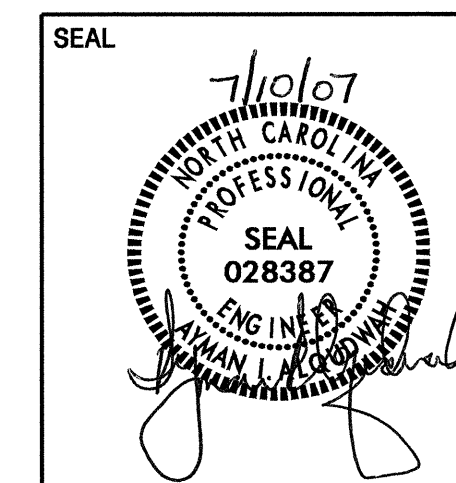
**GROUND MOUNTED  
SIGN SUPPORT**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

5/14/09  
05-JUL-2007 13:52  
I2810\traffic\signing\layout\plans\i2810\_sgn\_title.dgn  
ericward



SEE SHEET SIGN-3D FOR DIMENSIONS.  
SEE SHEET SIGN-3E FOR NOTES.

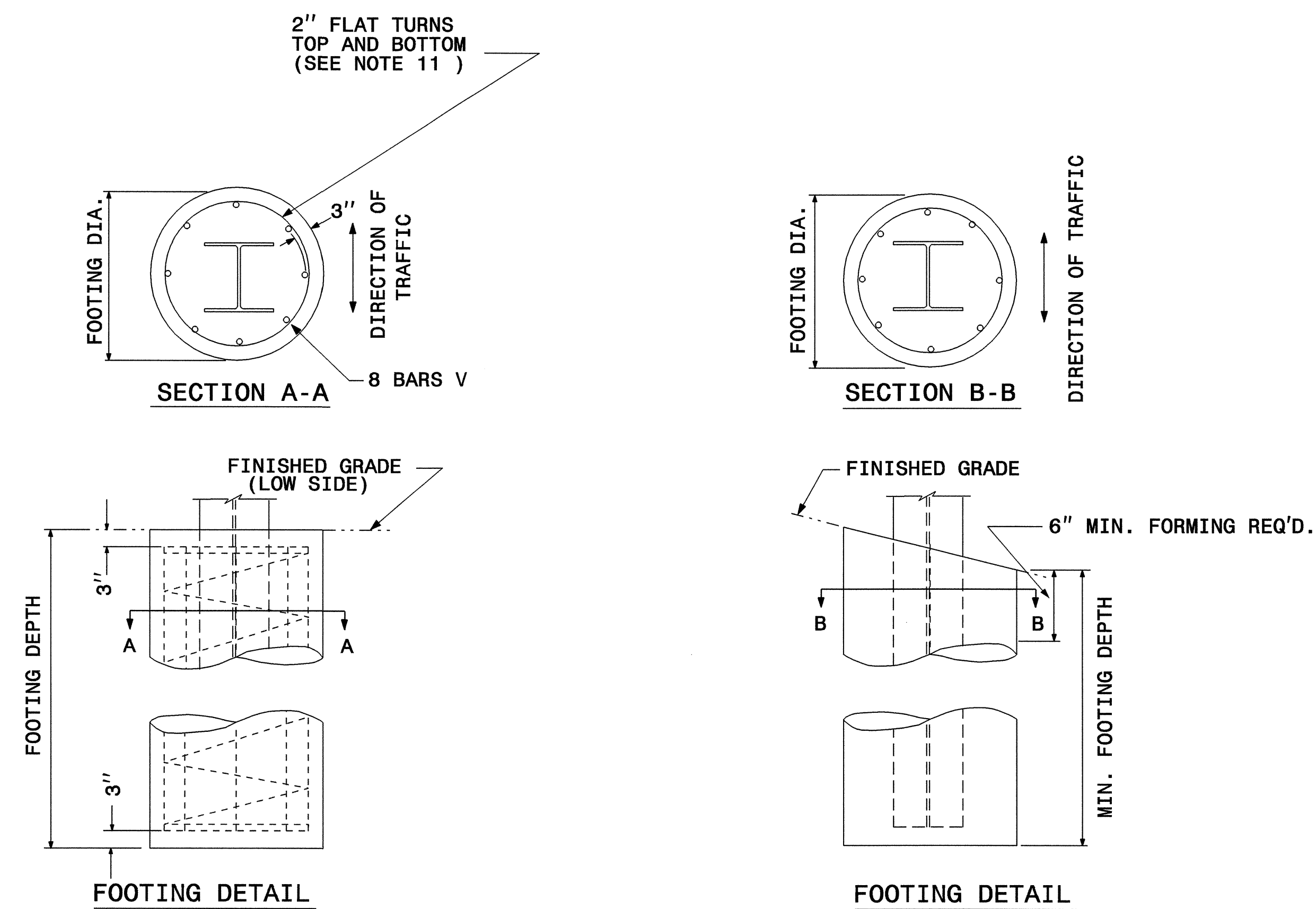


**GROUND MOUNTED SIGN SUPPORT**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

5/14/99  
05-JUL-2007 13:51  
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ericward

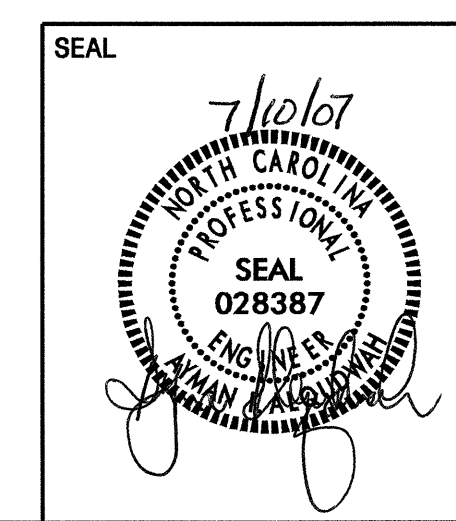
BEAM SHAPE	SLIP BASE PLATE DATA										KEEPER PLATE DATA							HINGE CONNECTION DATA							BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.			
	BOLT SIZE	A <sub>1</sub>	B <sub>1</sub>	C <sub>1</sub>	D <sub>1</sub>	E <sub>1</sub>	T <sub>1</sub>	W <sub>1</sub>	R <sub>1</sub>	A <sub>2</sub>	B <sub>2</sub>	C <sub>2</sub>	D <sub>2</sub>	E <sub>2</sub>	F <sub>2</sub>	R <sub>2</sub>	T <sub>2</sub>	BOLT SIZE	F	G	H	I	J	K		L	R <sub>3</sub>	T <sub>3</sub>
S3X5.7	1/2"DIA. X 3"	7"	4"	1"	3/4"	2 1/2"	1"	3/8"	9/32"	7"	4"	1"	3/4"	2 1/2"	5"	9/32"	28 GAUGE	1/2"DIA. X 1 1/4"	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"	8"	4"	1"	3/4"	2 1/2"	1"	3/8"	9/32"	8"	4"	1"	3/4"	2 1/2"	6"	9/32"	28 GAUGE	1/2"DIA. X 1 1/4"	2 5/8"	3 1/2"	4"	1/2"	1"	1/2"	2"	9/32"	3/8"	20
W6X9	1/2"DIA. X 3"	10"	5"	1"	3/4"	3 1/2"	1"	3/8"	9/32"	10"	5"	1"	3/4"	3 1/2"	8"	9/32"	28 GAUGE	1/2"DIA. X 1 1/4"	4"	3 1/2"	4"	3/4"	1"	1/2"	2"	9/32"	3/8"	32
W6X12	5/8"DIA. X 3 3/4"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/4"	3/8"	11/32"	11"	5"	1 1/4"	7/8"	3 1/4"	8 1/2"	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"	3/8"	43
W6X16	5/8"DIA. X 4 1/4"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	3/8"	11/32"	12"	6"	1 1/4"	7/8"	4 1/4"	9 1/2"	11/32"	28 GAUGE	5/8"DIA. X 2 1/2"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	11/32"	1/2"	66
W8X18	5/8"DIA. X 4 1/4"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/2"	3/8"	11/32"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	11"	11/32"	28 GAUGE	5/8"DIA. X 2 1/2"	5 1/4"	4"	4 1/2"	1"	1 1/8"	5/8"	2 1/4"	11/32"	1/2"	81
W8X21	3/4"DIA. X 4 1/4"	14"	7"	1 1/2"	1"	5"	1 1/2"	3/8"	13/32"	14"	7"	1 1/2"	1"	5"	11"	13/32"	28 GAUGE	3/4"DIA. X 2 3/4"	5 1/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	1/2"	93
W10X22	3/4"DIA. X 4 1/4"	16"	8"	1 1/2"	1"	6"	1 1/2"	3/8"	13/32"	16"	8"	1 1/2"	1"	6"	13"	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"	1/2"	119
W10X26	3/4"DIA. X 4 3/4"	16 1/2"	8"	1 1/2"	1"	6"	1 3/4"	3/8"	13/32"	16 1/2"	8"	1 1/2"	1"	6"	13 1/2"	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"	144
W12X26	3/4"DIA. X 4 3/4"	18 1/2"	9"	1 1/2"	1"	7"	1 3/4"	3/8"	13/32"	18 1/2"	9"	1 1/2"	1"	7"	15 1/2"	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"	180
W14X30	1"DIA. X 5 3/4"	22"	9"	2"	1 1/2"	6"	2"	1/2"	17/32"	22"	9"	2"	1 1/2"	6"	18"	17/32"	28 GAUGE	1"DIA. X 3"	6 3/4"	7"	8"	1 1/4"	2"	1"	4"	17/32"	5/8"	242
W16X31	1"DIA. X 5 3/4"	24"	9"	2"	1 1/2"	6"	2"	1/2"	17/32"	24"	9"	2"	1 1/2"	6"	20"	17/32"	28 GAUGE	1"DIA. X 3 1/4"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	17/32"	3/4"	263
W18X35	1"DIA. X 5 3/4"	25"	9"	2"	1 1/2"	6"	2"	1/2"	17/32"	25"	9"	2"	1 1/2"	6"	21"	17/32"	28 GAUGE	1"DIA. X 3 1/4"	6"	7"	8"	1 1/4"	2"	1"	4"	17/32"	3/4"	274
W18X40	1"DIA. X 6 1/4"	26"	9"	2"	1 1/2"	6"	2 1/4"	5/8"	17/32"	26"	9"	2"	1 1/2"	6"	22"	17/32"	28 GAUGE	1"DIA. X 3 3/4"	6"	7"	8"	1 1/4"	2"	1"	4"	17/32"	7/8"	321
W21X44	1"DIA. X 6 3/4"	29"	9"	2"	1 1/2"	6"	2 1/2"	5/8"	17/32"	29"	9"	2"	1 1/2"	6"	25"	17/32"	28 GAUGE	1"DIA. X 3 3/4"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	17/32"	7/8"	394



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

\* FOUNDATION DIMENSIONS ARE SHOWN IN PLANS

SEE SHEET SIGN-3E FOR NOTES.



GROUND MOUNTED SIGN SUPPORT			
SCALE	DATE	SIGNING PROJECT DGN ENG	REVISIONS
NONE	06/29/07	M. EATON	
		A. ALQUDWAH	
N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH			

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ericward

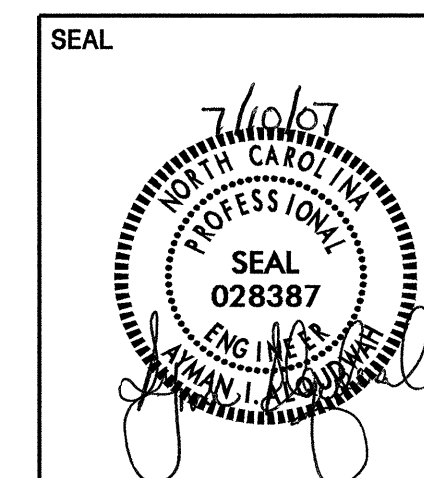
**NOTES:**

- DESIGN CONFORMS WITH THE SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS - A.A.S.H.T.O.
- USE MATERIALS, FABRICATE AND ERECT SIGNS AND SUPPORTS THAT CONFORM TO THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- USE HIGH STRENGTH BOLTS, NUTS AND WASHERS THAT CONFORM TO A.S.T.M. A-325 AND THAT ARE GALVANIZED IN ACCORDANCE WITH A.S.T.M. A-153.
- USE BACKING PLATES, SLIP BASE PLATES, FRICTION PLATES, AND HINGE PLATES THAT CONFORM TO A.S.T.M. A-36 AND THAT ARE GALVANIZED IN ACCORDANCE WITH A.S.T.M. A-123 PRIOR TO GALVANIZING, GRIND SMOOTH ANY METAL PROJECTION BEYOND THE PLATE FACE. KEEPER PLATES SHALL BE MANUFACTURED FROM 28 GAUGE SHEET STEEL THAT CONFORMS TO A.S.T.M. A-36 AND IS GALVANIZED IN ACCORDANCE WITH A.S.T.M. A-123
- ASSEMBLE HINGE CONNECTIONS IN THE SHOP. SHOP TIGHTEN BOLTS BY USE OF EITHER A CALIBRATED POWER WRENCH OR A MANUAL TORQUE WRENCH. TIGHTEN EACH HINGE CONNECTION BOLT TO 1/3 PAST SNUG.
- BASE PLATES DETAILS ARE FOR INSTALLATIONS ON THE RIGHT SHOULDER AND IN GORE AREAS.
- ASSEMBLE UPPER SUPPORT TO STUB AS SHOWN IN DETAIL. SLIP BASE PLATES SHALL BE FILLET WELDED ONTO POSTS ALL AROUND THE STRUCTURAL SHAPE. ASSEMBLE IN EITHER SHOP OR FIELD. 28 GAUGE KEEPER PLATE IS PLACED BETWEEN SLIP BASE PLATES TO PREVENT BOLT SLIPPING. TIGHTEN BOLTS TO THE FOLLOWING PRESCRIBED TORQUE:

BOLT DIAMETER	TORQUE (LB. FT.)
1/2"	9
5/8"	22
3/4"	37
1"	48

COMPLETELY ASSEMBLE B/A POSTS PRIOR TO ERECTION. B/A POST TO BE SET IN ONE PIECE. AFTER SUPPORT HAS BEEN ERECTED AND THE CONCRETE FOOTINGS HAS CURED AT LEAST 48 HRS., CLEAN CONCRETE FROM BASE CONNECTION BOLTS THEN LOOSEN AND RETIGHTEN EACH BOLT IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE. DO NOT OVERTIGHTEN. BURR ALL BOLT THREADS OF BASE CONNECTIONS TO PREVENT LOOSENING.

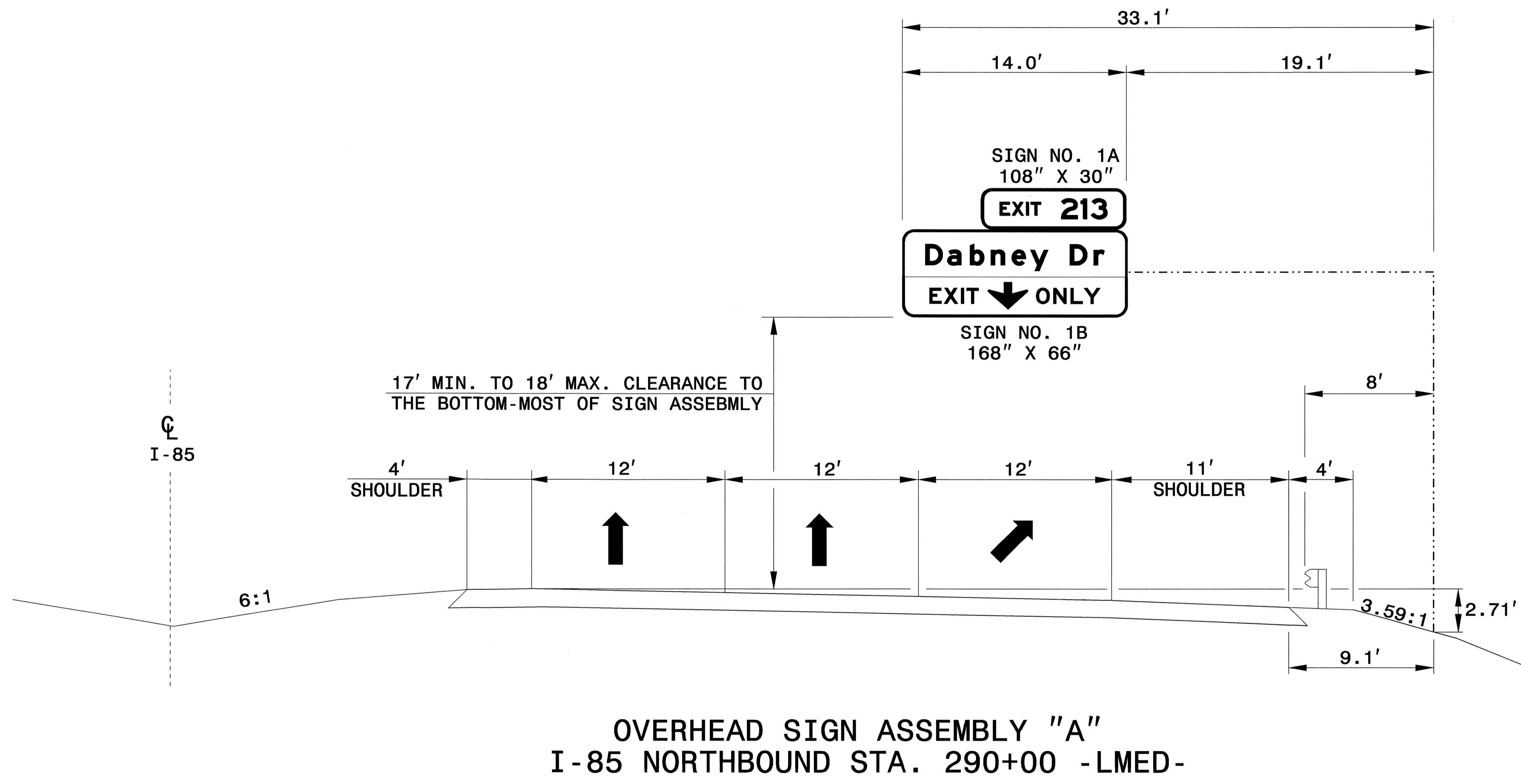
- USE REINFORCED FOOTINGS WITH DIMENSIONS AS SHOWN IN PLANS. WHERE SOLID ROCK IS ENCOUNTERED, THE ENGINEER DIRECTS WHETHER TO PLACE THE FOOTING AT THE PRESCRIBED DEPTH OR EXTEND IT AT LEAST TWO FEET INTO THE ROCK. CONSTRUCT ALL FOOTINGS OF CLASS A CONCRETE.
- FORM TOP 6" OF FOOTINGS. ENGINEER APPROVES THE METHOD USED.
- THE FINAL FLAT TURN OF SPIRAL OR HOOPS NO. 3 OR LARGER PLACED 3" FROM TOP AND BOTTOM OF FOOTING MAY BE WELDED TO VERTICAL REINFORCING BARS. NO OTHER WELDING WILL BE PERMITTED.
- ELIMINATE HINGE CONNECTION FOR ALL SINGLE SUPPORT SIGNS.
- DETAIL IS FOR ONE DIRECTION BREAKAWAY. WHEN PLANS REQUIRE A TWO DIRECTION BREAKAWAY, TWO FRICTION PLATES SHALL BE USED IN LIEU OF ONE FRICTION PLATE AND ONE HINGE PLATE.
- SHAPE THE TOPS OF THE FOOTINGS TO CONFORM WITH FINISHED GROUND ELEVATIONS SUCH THAT WATER WILL NOT COLLECT AGAINST THE SUPPORTS.
- IF THE GROUNDWATER IS ENCOUNTERED AT AN 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.



**GROUND MOUNTED  
SIGN SUPPORT**

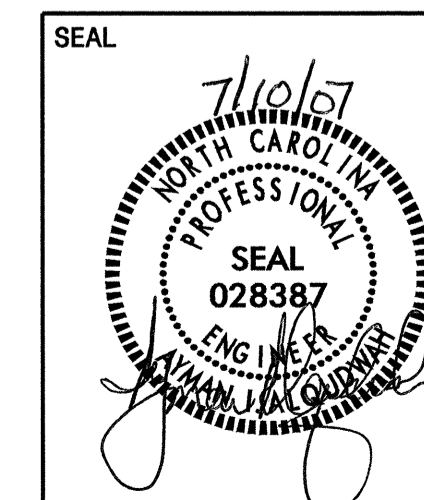
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DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

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ericward



**OVERHEAD SIGN ASSEMBLY "A"**  
**I-85 NORTHBOUND STA. 290+00 -LMED-**

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. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
3. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
4. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS AND SLOPES AT SUPPORTS. PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
5. THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 6" AND NOT MORE THAN 24" ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
6. THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN THE DESIGN OF STRUCTURE AND FOOTINGS. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.

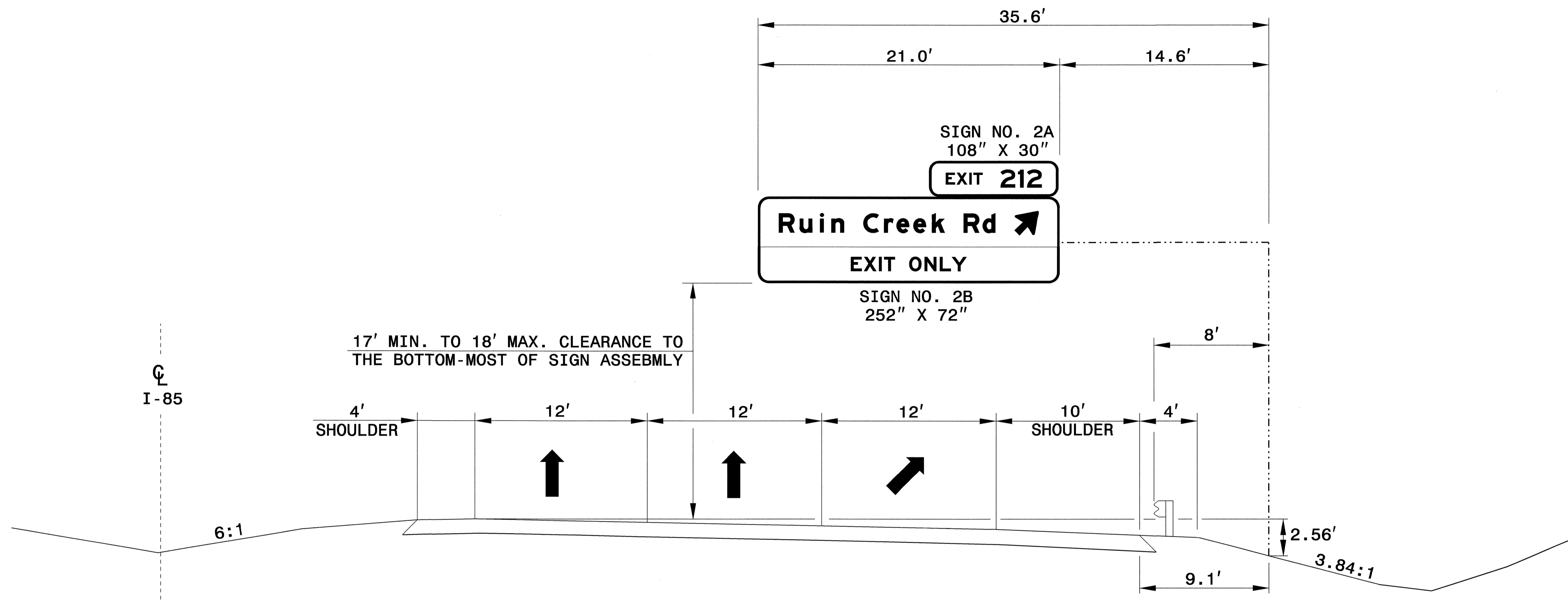


**I-85 NORTHBOUND  
OVERHEAD SIGN ASSEMBLY "A"  
STA. 290+00 -LMED-**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

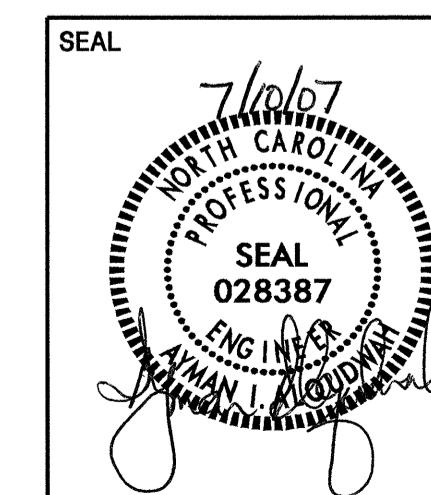
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**OVERHEAD SIGN ASSEMBLY "B"**  
**I-85 SOUTHBOUND STA. 285+65 -LMED-**

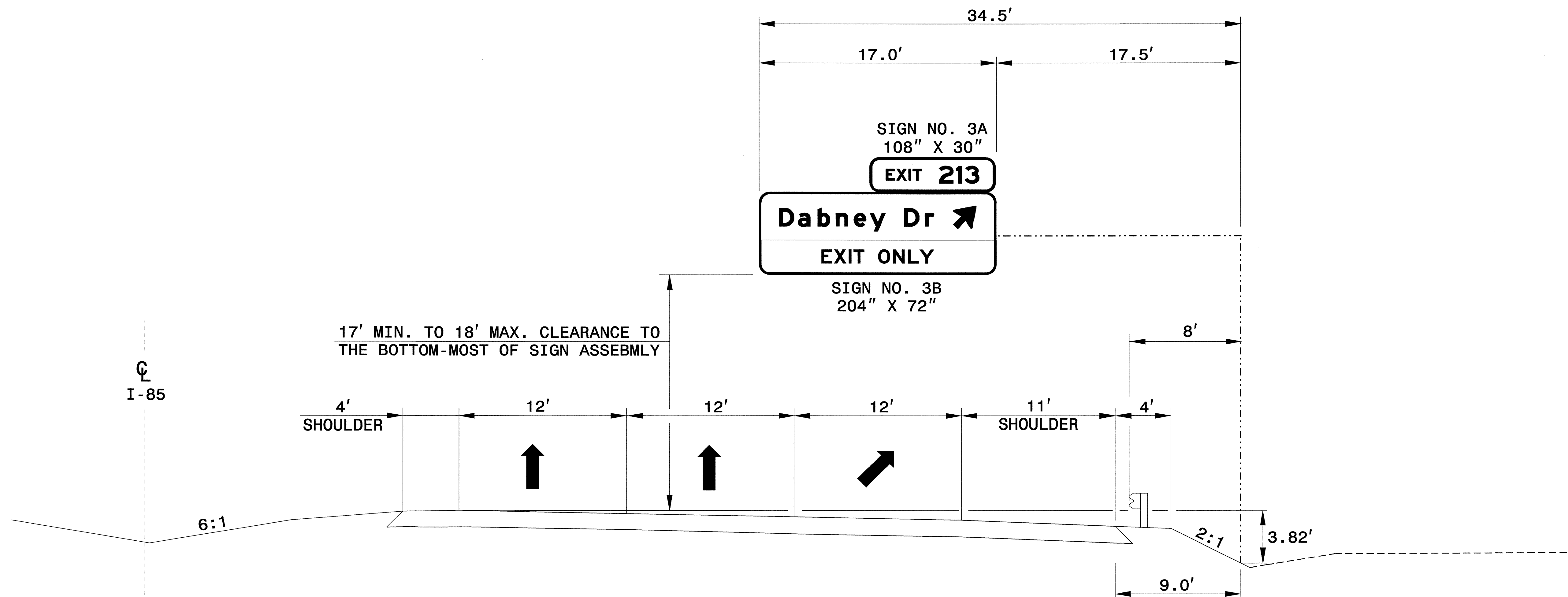
- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
- FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS AND SLOPES AT SUPPORTS. PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
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**I-85 SOUTHBOUND**  
**OVERHEAD SIGN ASSEMBLY "B"**  
**STA. 285 + 65 -LMED-**

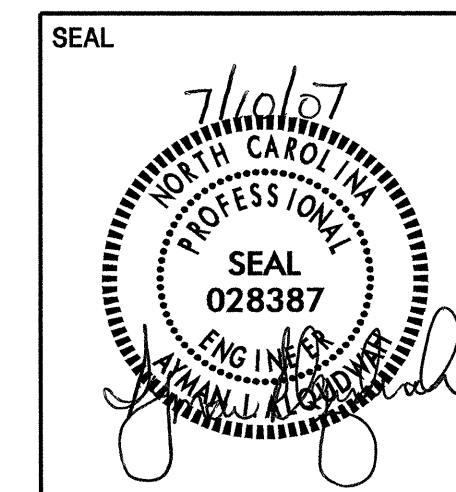
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DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

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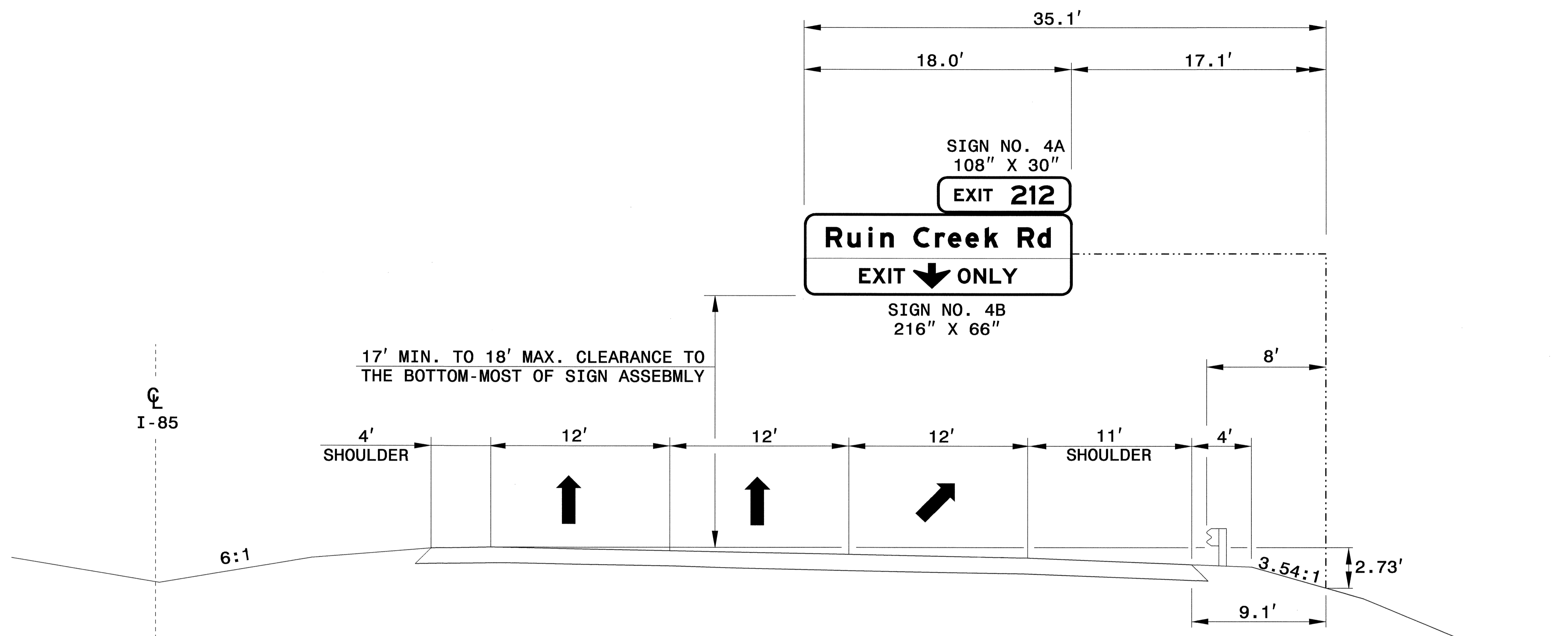
**OVERHEAD SIGN ASSEMBLY "C"**  
**I-85 NORTHBOUND STA. 302+00 -LMED-**

- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
- FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS AND SLOPES AT SUPPORTS. PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
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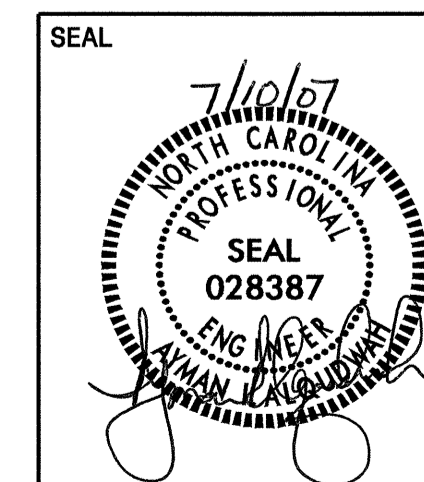
<b>I-85 NORTHBOUND OVERHEAD SIGN ASSEMBLY "C" STA. 302+00 -LMED-</b>			
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

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**OVERHEAD SIGN ASSEMBLY "D"**  
**I-85 SOUTHBOUND STA. 295+00 -LMED-**

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. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
3. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
4. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS AND SLOPES AT SUPPORTS. PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
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6. THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN THE DESIGN OF STRUCTURE AND FOOTINGS. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.



**I-85 SOUTHBOUND**  
**OVERHEAD SIGN ASSEMBLY "D"**  
**STA. 295 + 00 -LMED-**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

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SIGN NUMBER: 114B      BACKG COLOR: Green  
TYPE: A      COPY COLOR: White  
QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 20'-0"  
HEIGHT: 5'-6"  
TOTAL AREA: 110.0 Sq.Ft.

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

NO. Z BARS: 2      MAT'L: 0.125" (3.2 mm) ALUMINUM  
LENGTH: 232.0

DESIGN BY: WARD      CHECKED BY: EATON      DATE: Jun 21, 2007  
PROJECT ID: I-2810      DIV: 5

USE NOTES: 1,4  
1. Legend and border shall be direct applied Type III reflective sheeting.  
2. Legend and border shall be direct applied non-reflective sheeting.  
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
4. Background shall be Type III reflective sheeting.  
5. Background shall be Type I reflective sheeting.  
6. Center arrow(s) vertically on sign.  
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size		
															Text Length		
P	o	p	l	a	r	C	r	e	e	k	R	d				EM 2000	
16.9	15.4	15.8	15.5	8.2	17	8	16	17.4	10.4	14.1	15.5	10.6	16	15.8	10.6	16.9	206.2
	1	1/2	M	I	L	E	S										E 2000
	74.2	4.5	7.5	22	15	12	4.4	9.2	8.9	8.1	74.2						91.6

FILENAME: i2810\_sgn\_Guidesign      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 105B, 108B      BACKG COLOR: Green  
TYPE: A      COPY COLOR: White  
QUANTITY: 2

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 20'-0"  
HEIGHT: 5'-0"  
TOTAL AREA: 100.0 Sq.Ft.

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

NO. Z BARS: 2      MAT'L: 0.125" (3.2 mm) ALUMINUM  
LENGTH: 232.0

DESIGN BY: WARD      CHECKED BY: EATON      DATE: Jun 21, 2007  
PROJECT ID: I-2810      DIV: 5

USE NOTES: 1,4  
1. Legend and border shall be direct applied Type III reflective sheeting.  
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LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size		
															Text Length		
P	o	p	l	a	r	C	r	e	e	k	R	d				EM 2000	
16.9	15.4	15.8	15.5	8.2	17	8	16	17.4	10.4	14.1	15.5	10.6	16	15.8	10.6	16.9	206.2
	1/2	M	I	L	E												E 2000
	84.9	22	15	12	4.4	9.2	7.5	84.9									70.1

FILENAME: i2810\_sgn\_Guidesign      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 103B, 111B      BACKG COLOR: Green  
TYPE: A      COPY COLOR: White  
QUANTITY: 2

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 20'-0"  
HEIGHT: 5'-6"  
TOTAL AREA: 110.0 Sq.Ft.

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

NO. Z BARS: 2      MAT'L: 0.125" (3.2 mm) ALUMINUM  
LENGTH: 232.0

DESIGN BY: WARD      CHECKED BY: EATON      DATE: Jun 21, 2007  
PROJECT ID: I-2810      DIV: 5

USE NOTES: 1,4  
1. Legend and border shall be direct applied Type III reflective sheeting.  
2. Legend and border shall be direct applied non-reflective sheeting.  
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
4. Background shall be Type III reflective sheeting.  
5. Background shall be Type I reflective sheeting.  
6. Center arrow(s) vertically on sign.  
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size		
															Text Length		
P	o	p	l	a	r	C	r	e	e	k	R	d				EM 2000	
16.9	15.4	15.8	15.5	8.2	17	8	16	17.4	10.4	14.1	15.5	10.6	16	15.8	10.6	16.9	206.2
	1	M	I	L	E												E 2000
	93.7	4.5	15	12	4.4	9.2	7.5	93.7									52.6

FILENAME: i2810\_sgn\_Guidesign      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 106B, 107B      BACKG COLOR: Green  
TYPE: A      COPY COLOR: White  
QUANTITY: 2

SYMBOL	X	Y	WID	HT
ARSHRT	239	10.9	22.4	25.2

SIGN WIDTH: 23'-0"  
HEIGHT: 3'-6"  
TOTAL AREA: 80.5 Sq.Ft.

BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 2"  
RADII: 6"

NO. Z BARS: 2      MAT'L: 0.125" (3.2 mm) ALUMINUM  
LENGTH: 268.0

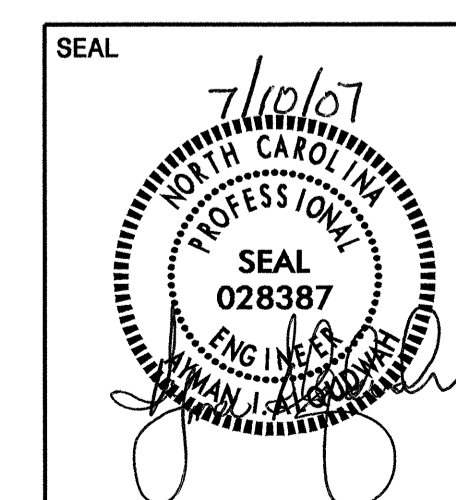
DESIGN BY: WARD      CHECKED BY: EATON      DATE: Jun 29, 2007  
PROJECT ID: I-2810      DIV: 5

USE NOTES: 1,4  
1. Legend and border shall be direct applied Type III reflective sheeting.  
2. Legend and border shall be direct applied non-reflective sheeting.  
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
4. Background shall be Type III reflective sheeting.  
5. Background shall be Type I reflective sheeting.  
6. Center arrow(s) vertically on sign.  
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size		
															Text Length		
P	o	p	l	a	r	C	r	e	e	k	R	d				EM 2000	
16.8	15.4	15.8	15.5	8.2	17	8	16	17.4	10.4	14.1	15.5	10.6	16	15.8	10.6	53	206.2

FILENAME: i2810\_sgn\_Guidesign      NORTH CAROLINA D.O.T. SIGN DETAIL



**TYPE "A" & "B" SIGN DESIGNS**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE	06/29/07	DIVISION OF HIGHWAYS	
SIGNING DESIGN ENG	E. WARD	TRAFFIC ENGINEERING BRANCH	
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUODWAH		

5/14/99  
05-JUL-2007 13:52  
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ericward E I 221658

**SIGN NUMBER:** 201,202 **BACKG COLOR:** Green **TYPE:** A **COPY COLOR:** White **DESIGN BY:** WARD **CHECKED BY:** EATON **DATE:** Jun 21, 2007  
**QUANTITY:** 2 **PROJECT ID:** I-2810 **DIV:** 5

SYMBOL	X	Y	WID	HT
ARMED	61	6	18.8	29.5

SIGN WIDTH: 7'-6" HEIGHT: 5'-0" TOTAL AREA: 37.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADII: 8" NO. Z BARS: 2 LENGTH: 82.0 MAT'L: 0.125" (3.2 mm) ALUMINUM

**USE NOTES:** 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

**LETTER POSITIONS**

Letter spacings are to start of next letter						Series/Size
E	X	I	T			Text Length
26.5	10.6	13	4.6	8.9	26.5	EM 2000
2	0	9				37
14.1	13.2	13.6	10.2	38.8		D 2000
						37.1

FILENAME: i2810\_sgn\_Guidesign NORTH CAROLINA D.O.T. SIGN DETAIL

**SIGN NUMBER:** 203,204 **BACKG COLOR:** Green **TYPE:** A **COPY COLOR:** White **DESIGN BY:** WARD **CHECKED BY:** EATON **DATE:** Jun 21, 2007  
**QUANTITY:** 2 **PROJECT ID:** I-2810 **DIV:** 5

SYMBOL	X	Y	WID	HT
ARMED	61	6	18.8	29.5

SIGN WIDTH: 7'-6" HEIGHT: 5'-0" TOTAL AREA: 37.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADII: 8" NO. Z BARS: 2 LENGTH: 82.0 MAT'L: 0.125" (3.2 mm) ALUMINUM

**USE NOTES:** 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

**LETTER POSITIONS**

Letter spacings are to start of next letter						Series/Size
E	X	I	T			Text Length
26.5	10.6	13	4.6	8.9	26.5	EM 2000
2	1	2				37
15.6	13.2	7	10.2	44		D 2000
						30.5

FILENAME: i2810\_sgn\_Guidesign NORTH CAROLINA D.O.T. SIGN DETAIL

**SIGN NUMBER:** 205,206 **BACKG COLOR:** Green **TYPE:** A **COPY COLOR:** White **DESIGN BY:** WARD **CHECKED BY:** EATON **DATE:** Jun 21, 2007  
**QUANTITY:** 2 **PROJECT ID:** I-2810 **DIV:** 5

SYMBOL	X	Y	WID	HT
ARMED	61	6	18.8	29.5

SIGN WIDTH: 7'-6" HEIGHT: 5'-0" TOTAL AREA: 37.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADII: 8" NO. Z BARS: 2 LENGTH: 82.0 MAT'L: 0.125" (3.2 mm) ALUMINUM

**USE NOTES:** 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

**LETTER POSITIONS**

Letter spacings are to start of next letter						Series/Size
E	X	I	T			Text Length
26.5	10.6	13	4.6	8.9	26.5	EM 2000
2	1	3				37
15.6	13.2	8.2	10.2	42.8		D 2000
						31.6

FILENAME: i2810\_sgn\_Guidesign NORTH CAROLINA D.O.T. SIGN DETAIL

**SIGN NUMBER:** 115,117 **BACKG COLOR:** Blue **TYPE:** A **COPY COLOR:** White **DESIGN BY:** WARD **CHECKED BY:** EATON **DATE:** Jun 21, 2007  
**QUANTITY:** 2 **PROJECT ID:** I-2810 **DIV:** 5

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 9'-0" HEIGHT: 5'-0" TOTAL AREA: 45.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 9" NO. Z BARS: 2 LENGTH: 100.0 MAT'L: 0.125" (3.2 mm) ALUMINUM

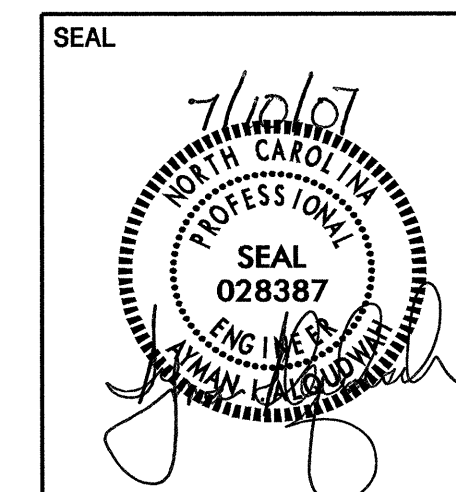
**USE NOTES:** 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

**LETTER POSITIONS**

Letter spacings are to start of next letter											Series/Size
H	O	S	P	I	T	A	L				Text Length
17.7	10.8	10.3	10.2	10	3.7	8.2	12	7.4	17.7		D 2000
											72.6
											D 2000
											65.5

FILENAME: i2810\_sgn\_Guidesign NORTH CAROLINA D.O.T. SIGN DETAIL



**TYPE "A" & "B" SIGN DESIGNS**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

5/14/09 05-JUL-2007 13:53 810\tr-off\signing\layout\plans\i2810\_sgn\_Guidesign.dgn

**SIGN NUMBER:** 101A,103A,105A,106A,107A, 108A,111A,114A  
**TYPE:** B  
**QUANTITY:** 5  
**SIGN WIDTH:** 9'-6"  
**HEIGHT:** 2'-6"  
**TOTAL AREA:** 23.8 Sq.Ft.  
**BORDER TYPE:** FLUSH  
**RECESS:** 0"  
**WIDTH:** 2"  
**RADII:** 6"  
**NO. Z BARS:** 2  
**LENGTH:** 106.0  
**MAT'L:** 0.125" (3.2 mm) ALUMINUM

**BACKG COLOR:** GREEN  
**COPY COLOR:** White

**DESIGN BY:** WARD  
**CHECKED BY:** EATON  
**PROJECT ID:** I-2810  
**DIV:** 5  
**DATE:** Jun 19, 2007

**USE NOTES:** 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

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	2	0	9					E 2000
13.2	8.9	10.7	3.5	7.5	15	14.7	15.2	12.2	13.2		87.6

FILENAME: i2810\_sgn\_GuidsSign NORTH CAROLINA D.O.T. SIGN DETAIL

**SIGN NUMBER:** 109A,113A,116A,119A  
**TYPE:** B  
**QUANTITY:** 4  
**SIGN WIDTH:** 9'-0"  
**HEIGHT:** 2'-6"  
**TOTAL AREA:** 22.5 Sq.Ft.  
**BORDER TYPE:** FLUSH  
**RECESS:** 0"  
**WIDTH:** 2"  
**RADII:** 6"  
**NO. Z BARS:** 2  
**LENGTH:** 100.0  
**MAT'L:** 0.125" (3.2 mm) ALUMINUM

**BACKG COLOR:** GREEN  
**COPY COLOR:** White

**DESIGN BY:** WARD  
**CHECKED BY:** EATON  
**PROJECT ID:** I-2810  
**DIV:** 5  
**DATE:** Jun 19, 2007

**USE NOTES:** 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

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	2	1	2					E 2000
14	8.9	10.7	3.5	7.5	15	14.7	7.5	12.2	14		80

FILENAME: i2810\_sgn\_GuidsSign NORTH CAROLINA D.O.T. SIGN DETAIL

**SIGN NUMBER:** 1A,3A  
**TYPE:** B  
**QUANTITY:** 2  
**SIGN WIDTH:** 9'-0"  
**HEIGHT:** 2'-6"  
**TOTAL AREA:** 22.5 Sq.Ft.  
**BORDER TYPE:** FLUSH  
**RECESS:** 0"  
**WIDTH:** 2"  
**RADII:** 6"  
**NO. Z BARS:** 2  
**LENGTH:** 100.0  
**MAT'L:** 0.125" (3.2 mm) ALUMINUM

**BACKG COLOR:** Green  
**COPY COLOR:** White

**DESIGN BY:** WARD  
**CHECKED BY:** EATON  
**PROJECT ID:** I-2810  
**DIV:** 5  
**DATE:** Jun 21, 2007

**USE NOTES:** 1,4  
 1. Legend and border shall be direct applied Type IX reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

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	2	1	3					E 2000
14	8.9	10.7	3.5	7.5	15	14.7	7.5	12.2	14		80

FILENAME: i2810\_sgn\_GuidsSign NORTH CAROLINA D.O.T. SIGN DETAIL

**SIGN NUMBER:** 2A,4A  
**TYPE:** B  
**QUANTITY:** 2  
**SIGN WIDTH:** 9'-0"  
**HEIGHT:** 2'-6"  
**TOTAL AREA:** 22.5 Sq.Ft.  
**BORDER TYPE:** FLUSH  
**RECESS:** 0"  
**WIDTH:** 2"  
**RADII:** 6"  
**NO. Z BARS:** 2  
**LENGTH:** 100.0  
**MAT'L:** 0.125" (3.2 mm) ALUMINUM

**BACKG COLOR:** GREEN  
**COPY COLOR:** White

**DESIGN BY:** WARD  
**CHECKED BY:** EATON  
**PROJECT ID:** I-2810  
**DIV:** 5  
**DATE:** Jun 19, 2007

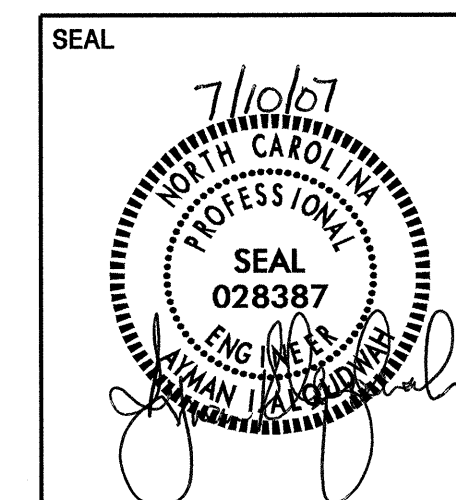
**USE NOTES:** 1,4  
 1. Legend and border shall be direct applied Type IX reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

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	2	1	2					E 2000
14	8.9	10.7	3.5	7.5	15	14.7	7.5	12.2	14		80

FILENAME: i2810\_sgn\_GuidsSign NORTH CAROLINA D.O.T. SIGN DETAIL



**TYPE "A" & "B" SIGN DESIGNS**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUIDWAH		

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06-JUL-2007 14:59  
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ericward

SIGN NUMBER: 1098      BACKG COLOR: Green  
TYPE: A      COPY COLOR: White  
QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 18'-0"  
HEIGHT: 5'-6"  
TOTAL AREA: 99.0 Sq.Ft.

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

NO. Z BARS: 2      MAT'L: 0.125" (3.2 mm) ALUMINUM  
LENGTH: 208.0

DESIGN BY: WARD      CHECKED BY: EATON  
PROJECT ID: I-2810      DIV: 5      DATE: May 29, 2007

USE NOTES: 1,4  
1. Legend and border shall be direct applied Type III reflective sheeting.  
2. Legend and border shall be direct applied non-reflective sheeting.  
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
4. Background shall be Type III reflective sheeting.  
5. Background shall be Type I reflective sheeting.  
6. Center arrow(s) vertically on sign.  
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size
R	u	i	n	C	r	e	e	k	R	d					Text Length
17.6	17.3	17	9.6	10.6	16	17.4	10.4	14.1	15.5	10.6	16	15.8	10.6	17.6	EM 2000
															180.8
1	M	I	L	E											E 2000
81.7	4.5	15	12	4.4	9.2	7.5	81.7								52.6

FILENAME: i2810\_sgn\_Guidesign      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 1198      BACKG COLOR: Green  
TYPE: A      COPY COLOR: White  
QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 18'-0"  
HEIGHT: 5'-6"  
TOTAL AREA: 99.0 Sq.Ft.

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

NO. Z BARS: 2      MAT'L: 0.125" (1.6 mm) ALUMINUM  
LENGTH: 208.0

DESIGN BY: WARD      CHECKED BY: EATON  
PROJECT ID: I-2810      DIV: 5      DATE: Jun 29, 2007

USE NOTES: 1,4  
1. Legend and border shall be direct applied Type III reflective sheeting.  
2. Legend and border shall be direct applied non-reflective sheeting.  
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
4. Background shall be Type III reflective sheeting.  
5. Background shall be Type I reflective sheeting.  
6. Center arrow(s) vertically on sign.  
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size
R	u	i	n	C	r	e	e	k	R	d					Text Length
17.6	17.3	17	9.6	10.6	16	17.4	10.4	14.1	15.5	10.6	16	15.8	10.6	17.6	EM 2000
															180.8
3/4	M	I	L	E											E 2000
71.5	25	15	12	4.4	9.2	7.5	71.5								73.1

FILENAME: i2810\_sgn\_Guidesign      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 1138      BACKG COLOR: Green  
TYPE: A      COPY COLOR: White  
QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 18'-0"  
HEIGHT: 5'-6"  
TOTAL AREA: 99.0 Sq.Ft.

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

NO. Z BARS: 2      MAT'L: 0.125" (1.6 mm) ALUMINUM  
LENGTH: 208.0

DESIGN BY: WARD      CHECKED BY: EATON  
PROJECT ID: I-2810      DIV: 5      DATE: Jun 29, 2007

USE NOTES: 1,4  
1. Legend and border shall be direct applied Type III reflective sheeting.  
2. Legend and border shall be direct applied non-reflective sheeting.  
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
4. Background shall be Type III reflective sheeting.  
5. Background shall be Type I reflective sheeting.  
6. Center arrow(s) vertically on sign.  
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size
R	u	i	n	C	r	e	e	k	R	d					Text Length
17.6	17.3	17	9.6	10.6	16	17.4	10.4	14.1	15.5	10.6	16	15.8	10.6	17.6	EM 2000
															180.8
1/2	M	I	L	E											E 2000
73	22	15	12	4.4	9.2	7.5	73								70.1

FILENAME: i2810\_sgn\_Guidesign      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 1168      BACKG COLOR: Green  
TYPE: A      COPY COLOR: White  
QUANTITY: 1

SYMBOL	X	Y	WID	HT
ARSHRT	214.3	10.9	22.4	25.2

SIGN WIDTH: 21'-0"  
HEIGHT: 3'-6"  
TOTAL AREA: 73.5 Sq.Ft.

BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 2"  
RADIUS: 6"

NO. Z BARS: 2      MAT'L: 0.125" (3.2 mm) ALUMINUM  
LENGTH: 244.0

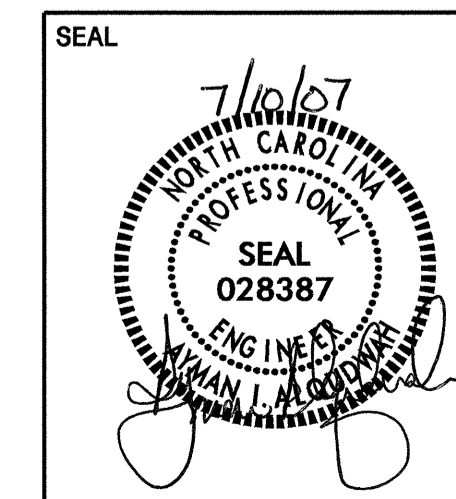
DESIGN BY: WARD      CHECKED BY: EATON  
PROJECT ID: I-2810      DIV: 5      DATE: Jun 19, 2007

USE NOTES: 1,4  
1. Legend and border shall be direct applied Type III reflective sheeting.  
2. Legend and border shall be direct applied non-reflective sheeting.  
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
4. Background shall be Type III reflective sheeting.  
5. Background shall be Type I reflective sheeting.  
6. Center arrow(s) vertically on sign.  
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size
R	u	i	n	C	r	e	e	k	R	d					Text Length
17.5	17.3	17	9.6	10.6	16	17.4	10.4	14.1	15.5	10.6	16	15.8	10.6	53.7	EM 2000
															180.8

FILENAME: i2810\_sgn\_Guidesign      NORTH CAROLINA D.O.T. SIGN DETAIL



**TYPE "A" & "B" SIGN DESIGNS**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE	06/29/07	DIVISION OF HIGHWAYS	
SIGNING DESIGN ENG	E. WARD	TRAFFIC ENGINEERING BRANCH	
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDAH		

5/14/09  
05-JUL-2007 13:54  
810:\traffic\signing\layout\plans\i2810\_sgn\_Guidesign.dgn  
ericward 11/22/07

**SIGN NUMBER:** 1B **BACKG COLOR:** Green **DESIGN BY:** WARD **CHECKED BY:** EATON **DATE:** Jun 21, 2007  
**TYPE:** A **COPY COLOR:** White **PROJECT ID:** I-2810 **DIV:** 5

**QUANTITY:** 1

SYMBOL	X	Y	WID	HT
ARDOWN	63.8	5.7	30	20.6

**SIGN WIDTH:** 14'-0" **HEIGHT:** 5'-6" **TOTAL AREA:** 77.0 Sq.Ft.

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

**NO. Z BARS:** 2 **MAT'L:** 0.125" (3.2 mm) ALUMINUM  
**LENGTH:** 160.0

**USE NOTES:** 1,4,7  
1. Legend and border shall be direct applied Type IX reflective sheeting.  
2. Legend and border shall be direct applied non-reflective sheeting.  
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
4. Background shall be Type III reflective sheeting.  
5. Background shall be Type I reflective sheeting.  
6. Center arrow(s) vertically on sign.  
7. Bottom panel shall be yellow Type IX sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is: 160" X 26"

**LETTER POSITIONS**

Letter spacings are to start of next letter												Series/Size
												Text Length
D	a	b	n	e	y	D	r					EN 2000
17.3	16.3	17	15.5	15.5	13.8	13.6	16	17.8	8	17.3		133.4
E	X	I	T									E 2000
20.3	10.7	12.8	4.2	9	11.1							36.7
O	N	L	Y									E 2000
99.8	12.8	12.8	10	12.2	20.3							47.9

Spacing Factor is 1 unless specified otherwise

FILENAME: i2810\_sgn\_Guidesign NORTH CAROLINA D.O.T. SIGN DETAIL

**SIGN NUMBER:** 4B **BACKG COLOR:** Green **DESIGN BY:** WARD **CHECKED BY:** EATON **DATE:** May 29, 2007  
**TYPE:** A **COPY COLOR:** White **PROJECT ID:** I-2810 **DIV:** 5

**QUANTITY:** 1

SYMBOL	X	Y	WID	HT
ARDOWN	87.8	5.7	30	20.6

**SIGN WIDTH:** 18'-0" **HEIGHT:** 5'-6" **TOTAL AREA:** 99.0 Sq.Ft.

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

**NO. Z BARS:** 2 **MAT'L:** 0.125" (3.2 mm) ALUMINUM  
**LENGTH:** 208.0

**USE NOTES:** 1,4,7  
1. Legend and border shall be direct applied Type IX reflective sheeting.  
2. Legend and border shall be direct applied non-reflective sheeting.  
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
4. Background shall be Type III reflective sheeting.  
5. Background shall be Type I reflective sheeting.  
6. Center arrow(s) vertically on sign.  
7. Bottom panel shall be yellow Type IX sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is: 208" X 26"

**LETTER POSITIONS**

Letter spacings are to start of next letter												Series/Size
												Text Length
R	u	i	n	C	r	e	e	k	R	d		EN 2000
17.6	17.3	17	9.6	10.6	16	17.4	10.4	14.1	15.5	10.6	16	180.8
E	X	I	T									E 2000
44.3	10.7	12.8	4.2	9	134.9							36.7
O	N	L	Y									E 2000
123.8	12.8	12.8	10	12.2	44.3							47.9

Spacing Factor is 1 unless specified otherwise

FILENAME: i2810\_sgn\_Guidesign NORTH CAROLINA D.O.T. SIGN DETAIL

**SIGN NUMBER:** 3B **BACKG COLOR:** Green **DESIGN BY:** WARD **CHECKED BY:** EATON **DATE:** Jun 07, 2007  
**TYPE:** A **COPY COLOR:** White **PROJECT ID:** I-2810 **DIV:** 5

**QUANTITY:** 1

SYMBOL	X	Y	WID	HT
ARSHRT	166.6	39.9	22.4	25.2

**SIGN WIDTH:** 17'-0" **HEIGHT:** 6'-0" **TOTAL AREA:** 102.0 Sq.Ft.

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

**NO. Z BARS:** 2 **MAT'L:** 0.125" (3.2 mm) ALUMINUM  
**LENGTH:** 196.0

**USE NOTES:** 1,4,7  
1. Legend and border shall be direct applied Type IX reflective sheeting.  
2. Legend and border shall be direct applied non-reflective sheeting.  
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
4. Background shall be Type III reflective sheeting.  
5. Background shall be Type I reflective sheeting.  
6. Center arrow(s) vertically on sign.  
7. Bottom panel shall be yellow Type IX sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is: 196" X 26"

**LETTER POSITIONS**

Letter spacings are to start of next letter												Series/Size
												Text Length
D	a	b	n	e	y	D	r					EN 2000
17.2	16.3	17	15.5	15.5	13.8	13.6	16	17.8	8	53.4		133.4
E	X	I	T									E 2000
53.7	10.7	12.8	4.2	9.5	11.5	12.8	12.8	10	12.2	53.7		96.6

Spacing Factor is 1 unless specified otherwise

FILENAME: i2810\_sgn\_Guidesign NORTH CAROLINA D.O.T. SIGN DETAIL

**SIGN NUMBER:** 2B **BACKG COLOR:** Green **DESIGN BY:** WARD **CHECKED BY:** EATON **DATE:** Jun 07, 2007  
**TYPE:** A **COPY COLOR:** White **PROJECT ID:** I-2810 **DIV:** 5

**QUANTITY:** 1

SYMBOL	X	Y	WID	HT
ARSHRT	214.3	39.9	22.4	25.2

**SIGN WIDTH:** 21'-0" **HEIGHT:** 6'-0" **TOTAL AREA:** 126.0 Sq.Ft.

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

**NO. Z BARS:** 2 **MAT'L:** 0.125" (3.2 mm) ALUMINUM  
**LENGTH:** 244.0

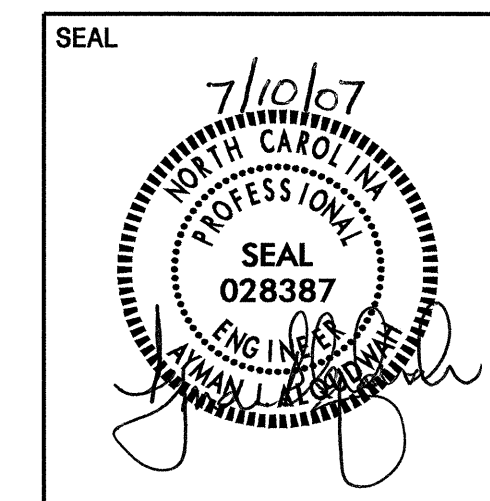
**USE NOTES:** 1,4,7  
1. Legend and border shall be direct applied Type IX reflective sheeting.  
2. Legend and border shall be direct applied non-reflective sheeting.  
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
4. Background shall be Type III reflective sheeting.  
5. Background shall be Type I reflective sheeting.  
6. Center arrow(s) vertically on sign.  
7. Bottom panel shall be yellow Type IX sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is: 244" X 26"

**LETTER POSITIONS**

Letter spacings are to start of next letter												Series/Size
												Text Length
R	u	i	n	C	r	e	e	k	R	d		EN 2000
17.5	17.3	17	9.6	10.6	16	17.4	10.4	14.1	15.5	10.6	16	180.8
E	X	I	T									E 2000
77.7	10.7	12.8	4.2	9.5	11.5	12.8	12.8	10	12.2	77.7		96.6

Spacing Factor is 1 unless specified otherwise

FILENAME: i2810\_sgn\_Guidesign NORTH CAROLINA D.O.T. SIGN DETAIL



**TYPE "A" & "B" SIGN DESIGNS**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUIDWAH		

5/14/09 03-JUL-2007 15:21 810:\traffic\signing layout plans\i2810\_sgn\_Guidesign.dgn ericward



5/14/99

SIGN NUMBER: 104,110      BACKG COLOR: Green  
 TYPE: A      COPY COLOR: White  
 QUANTITY: 2  
 SIGN WIDTH: 20'-6"      HEIGHT: 6'-6"  
 TOTAL AREA: 133.3 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 2"  
 RADII: 9"  
 NO. Z BARS: 2      MAT'L: 0.125" (3.2 mm) ALUMINUM  
 LENGTH: 238.0

DESIGN BY: WARD      CHECKED BY: EATON  
 PROJECT ID: I-2810      DIV: 5      DATE: Jun 29, 2007

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter																Series/Size			
																Text Length			
V	a	n	c	e		G	r	a	n	v	i	l	l	e		EM 2000			
37.6	14.2	14.1	12.9	11.7	8.8	13.3	14.8	8.6	14.1	12.6	14.1	8	8	6.8	8.8	37.6	170.8		
C	o	m	m	u	m	i	t	y		C	o	l	l	e	g	e		EM 2000	
15	13.3	13.2	20	19.9	14.1	20	6.7	9.7	11.3	13.3	13.3	13.2	8	6.8	11.7	12.9	8.8	15	216
E	x	i	t		2	0	9												E 2000
89.2	7.1	8.6	2.8	6	9.5	11.8	12.1	9.7	89.2										67.6

FILENAME: I2810\_sgn\_Guidesign      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 112      BACKG COLOR: Green  
 TYPE: B      COPY COLOR: White  
 QUANTITY: 1  
 SIGN WIDTH: 11'-6"      HEIGHT: 4'-6"  
 TOTAL AREA: 51.8 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 2"  
 RADII: 6"  
 NO. Z BARS: 2      MAT'L: 0.125" (3.2 mm) ALUMINUM  
 LENGTH: 130.0

DESIGN BY: WARD      CHECKED BY: EATON  
 PROJECT ID: I-2810      DIV: 5      DATE: Jul 02, 2007

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter																Series/Size
																Text Length
H	e	n	d	e	r	s	o	n								EM 2000
15	14.1	12.9	12.9	12.9	8.4	11.7	13.2	8.8	15							108
H	E	X	T		4				E	X	I	T		S		EM 2000
15.7	10.9	8.8	9.8	7.4	10	9.3	10	8.8	10.8	3.8	8.9	8.1	15.7			106.6

FILENAME: I2810\_sgn\_Guidesign      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 118      BACKG COLOR: Green  
 TYPE: A      COPY COLOR: White  
 QUANTITY: 1  
 SIGN WIDTH: 15'-0"      HEIGHT: 5'-0"  
 TOTAL AREA: 75.0 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 1.25"  
 RADII: 6"  
 NO. Z BARS: 2      MAT'L: 0.125" (3.2 mm) ALUMINUM  
 LENGTH: 172.0

DESIGN BY: WARD      CHECKED BY: EATON  
 PROJECT ID: I-2810      DIV: 5      DATE: Jun 21, 2007

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter																Series/Size					
																Text Length					
G	R	E	Y	H	O	U	N	D	/	T	R	A	I	L	W	A	Y	S		D 2000	
9.7	9	8.5	7	10.1	9	9.3	9.2	9.2	7.8	10.6	7.7	7.6	10	4	6.8	9.5	9.1	9.4	6.8	9.7	160.6
S	T	A	T	I	O	N															D 2000
64.4	7.6	6.8	9.1	7.7	3.8	9.3	6.8	64.5													51.1
E	x	i	t		2	1	4														D 2000
63.9	5.8	6.8	2.5	5	8	10.6	4.7	9	63.9												52.2

FILENAME: I2810\_sgn\_Guidesign      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 102      BACKG COLOR: Green  
 TYPE: B      COPY COLOR: White  
 QUANTITY: 1  
 SIGN WIDTH: 9'-0"      HEIGHT: 3'-0"  
 TOTAL AREA: 27.0 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 1"  
 RADII: 6"  
 NO. Z BARS: 2      MAT'L: 0.125" (3.2 mm) ALUMINUM  
 LENGTH: 100.0

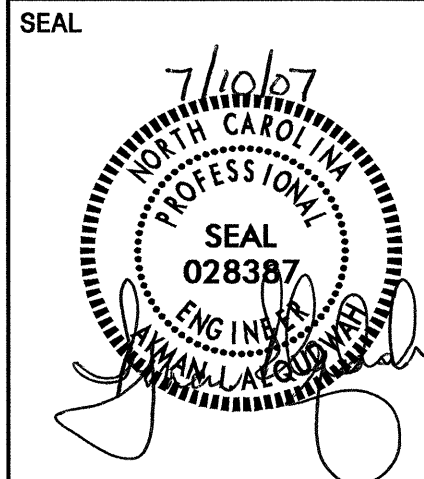
DESIGN BY: WARD      CHECKED BY: EATON  
 PROJECT ID: I-2810      DIV: 5      DATE: May 29, 2007

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter																Series/Size
																Text Length
H	e	n	d	e	r	s	o	n		7						EM 2000
9.8	8.5	7.8	7.8	7.8	7.8	5	7	7.9	5.3	8	9	6.5	9.8			87.3
S	o	u	t	h		H	i	l	l		4	0				EM 2000
9.8	8.2	7.9	7.7	6.7	5.3	8	9.2	4.8	4.8	1.6	8	9.4	6.7	9.8		88.3

FILENAME: I2810\_sgn\_Guidesign      NORTH CAROLINA D.O.T. SIGN DETAIL



**TYPE "A" & "B" SIGN DESIGNS**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

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SIGN NUMBER: 101B TYPE: A QUANTITY: 1 SIGN WIDTH: 20'-0" HEIGHT: 5'-6" TOTAL AREA: 110.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADIUS: 9" NO. Z BARS: 2 LENGTH: 232.0	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: WARD PROJECT ID: I-2810 CHECKED BY: EATON DIV: 5 DATE: Jun 21, 2007
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**Poplar Creek Rd**  
**2 MILES**

BORDER R=9" TH=2"

Spacing Factor is 1 unless specified otherwise

**LETTER POSITIONS**

Letter spacings are to start of next letter																Series/Size		
	P	o	p	i	a	r	C	r	e	e	k	R	d			Text Length		
	16.9	15.4	15.8	15.5	8.2	17	8	16	17.4	10.4	14.1	15.5	10.6	16	15.8	10.6	16.9	EM 2000
	2																	206.2
																		E 2000
	85.1	12.2	15	12	4.4	9.2	8.9	8.1	85.1									69.8

FILENAME: i2810\_sgn\_Guidesign NORTH CAROLINA D.O.T. SIGN DETAIL

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03-JUL-2007 15:21  
810:\traffic\signing\layout\plans\i2810\_sgn\_Guidesign.dgn  
ericward

	<b>TYPE "A" &amp; "B"</b>		<table border="1"> <tr> <td>SCALE</td> <td>NONE</td> <td rowspan="4">N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH</td> <td>REVISIONS</td> </tr> <tr> <td>DATE</td> <td>06/29/07</td> <td></td> </tr> <tr> <td>SIGNING DESIGN ENG</td> <td>E. WARD</td> <td></td> </tr> <tr> <td>SIGNING PROJECT DGN ENG</td> <td>M. EATON</td> <td></td> </tr> <tr> <td>SIGNING PROJECT ENG</td> <td>A. ALQUDWAH</td> <td></td> <td></td> </tr> </table>	SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS	DATE	06/29/07		SIGNING DESIGN ENG	E. WARD		SIGNING PROJECT DGN ENG	M. EATON		SIGNING PROJECT ENG	A. ALQUDWAH		
	SCALE	NONE		N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS															
	DATE	06/29/07																		
	SIGNING DESIGN ENG	E. WARD																		
SIGNING PROJECT DGN ENG	M. EATON																			
SIGNING PROJECT ENG	A. ALQUDWAH																			
<b>"SIGN DESIGNS"</b>																				

SIGN NUMBER: 301      BACKG COLOR: Green/Green  
 TYPE: D      COPY COLOR: White  
 QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 6'-0"  
 HEIGHT: 3'-6"  
 TOTAL AREA: 21.0 Sq.Ft.

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

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

DESIGN BY: WARD      CHECKED BY: EATON  
 PROJECT ID: I-2810      DIV: 5      DATE: Jul 02, 2007

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size	
													Text Length	
													C 2000	
25	2.7	2	1.9	2.2	2.4	2.6	1.5	3	1.9	1.8	25	22.1		
												D 2000		
15.5	4.9	6	5.4	5.4	3.7	6	5.3	4.3	15.5	41				
												C 2000		
29.4	2	1.8	2.1	2.3	1.1	2.3	1.7	29.4	13.2					
												D 2000		
7.3	5.4	4.6	6	5	5.5	2.4	4.6	4.6	3.7	6	5.3	4.3	7.4	57.3

FILENAME: I2810\_sgn\_Guidesign      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302,304      BACKG COLOR: Green  
 TYPE: D      COPY COLOR: White  
 QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 3'-0"  
 HEIGHT: 1'-0"  
 TOTAL AREA: 3.0 Sq.Ft.

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

NO. Z BARS:      MAT'L: 0.080" (2.0 mm) ALUMINUM  
 LENGTH:

DESIGN BY: WARD      CHECKED BY: EATON  
 PROJECT ID: I-2810      DIV: 5      DATE: Jun 22, 2007

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter									Series/Size
									Text Length
									C 2000
6.3	4.4	3.4	6	2.3	4.1	3.4	6.3	23.5	

FILENAME: I2810\_sgn\_Guidesign      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 303      BACKG COLOR: Green/Green  
 TYPE: D      COPY COLOR: White  
 QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 6'-0"  
 HEIGHT: 3'-6"  
 TOTAL AREA: 21.0 Sq.Ft.

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

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

DESIGN BY: WARD      CHECKED BY: EATON  
 PROJECT ID: I-2810      DIV: 5      DATE: Jul 06, 2007

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size	
													Text Length	
													C 2000	
25	2.7	2	1.9	2.2	2.4	2.6	1.5	3	1.9	1.8	25	22.1		
												D 2000		
7.4	5.4	4.6	6	5	5.5	2.4	4.6	4.6	3.7	6	5.3	4.3	7.3	57.3
													C 2000	
29.4	2	1.8	2.1	2.3	1.1	2.3	1.7	29.4	13.2					
													D 2000	
15.5	4.9	6	5.4	5.4	3.7	6	5.3	4.3	15.5	41				

FILENAME: I2810\_sgn\_Guidesign      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 305,306      BACKG COLOR: Green  
 TYPE: D      COPY COLOR: White  
 QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 2'-0"  
 HEIGHT: 1'-0"  
 TOTAL AREA: 2.0 Sq.Ft.

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

NO. Z BARS:      MAT'L: 0.080" (2.0 mm) ALUMINUM  
 LENGTH:

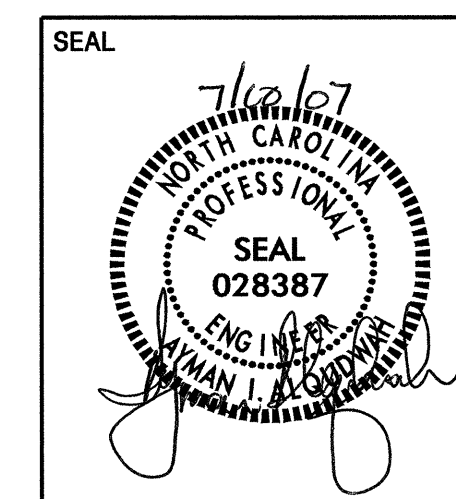
DESIGN BY: WARD      CHECKED BY: EATON  
 PROJECT ID: I-2810      DIV: 5      DATE: Jun 22, 2007

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter						Series/Size
						Text Length
						C 2000
5.8	2.5	2.3	4.3	3.4	5.8	12.4

FILENAME: I2810\_sgn\_Guidesign      NORTH CAROLINA D.O.T. SIGN DETAIL



**TYPE "D"  
SIGN DESIGNS**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE	06/29/07	DIVISION OF HIGHWAYS	
SIGNING DESIGN ENG	E. WARD	TRAFFIC ENGINEERING BRANCH	
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

5/14/09  
 06-JUL-2007 16:29  
 810\tr\af\fig\signing\layout\plans\I2810\_sgn\_Guidesign.dgn  
 ericward

SIGN NUMBER: 307  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 6'-0"  
HEIGHT: 2'-6"  
TOTAL AREA: 15.0 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADIUS: 3"  
NO. Z BARS: 1  
LENGTH: 1

BACKG COLOR: Green/Green  
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	15.2	17.1	6	9
ARUP	57.1	3.9	6	9

DESIGN BY: WARD  
PROJECT ID: I-2810  
CHECKED BY: EATON  
DIV: 5  
DATE: Jun 22, 2007

Letter spacings are to start of next letter

Letter spacings are to start of next letter										Series/Size
										Text Length
O	X	F	O	R	D					D 2000
27.2	5.2	5.1	4.5	5.6	5.1	4.1	15.2			29.5
H	E	N	D	E	R	S	O	N		D 2000
5.9	5.5	4.7	5.5	5.4	4.7	5	5.6	4.1	20.9	45.2

FILENAME: I2810\_sgn\_GuidsSign  
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 308,312  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 8'-0"  
HEIGHT: 2'-0"  
TOTAL AREA: 16.0 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADIUS: 3"  
NO. Z BARS: 1  
LENGTH: 1

BACKG COLOR: Green  
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	81.8	14.2	6	9

DESIGN BY: WARD  
PROJECT ID: I-2810  
CHECKED BY: EATON  
DIV: 5  
DATE: Jun 22, 2007

Letter spacings are to start of next letter

Letter spacings are to start of next letter															Series/Size			
															Text Length			
V	A	N	C	E	-	G	R	A	N	V	I	L	L	E	D 2000			
5.2	4.9	6	5.4	5.4	4.2	2.9	5.4	4.6	6	5	5.5	2.4	4.6	3.7	20.2	70.6		
C	O	M	M	U	N	I	T	Y	C	O	L	L	E	G	E	D 2000		
5.2	5.3	5.6	6.1	6.1	5.5	5.5	1.9	4.1	5.2	6	5.3	5.6	4.6	4.6	5.4	3.7	5.7	85.1

FILENAME: I2810\_sgn\_GuidsSign  
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 309  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 6'-0"  
HEIGHT: 1'-6"  
TOTAL AREA: 9.0 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADIUS: 3"  
NO. Z BARS: 1  
LENGTH: 1

BACKG COLOR: Green  
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	5.9	6	6	9

DESIGN BY: WARD  
PROJECT ID: I-2810  
CHECKED BY: EATON  
DIV: 5  
DATE: Jun 22, 2007

Letter spacings are to start of next letter

Letter spacings are to start of next letter										Series/Size
										Text Length
H	E	N	D	E	R	S	O	N		D 2000
20.9	5.5	4.7	5.5	5.4	4.7	5	5.6	4.1	5.9	45.2

FILENAME: I2810\_sgn\_GuidsSign  
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 310  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 5'-0"  
HEIGHT: 1'-6"  
TOTAL AREA: 7.5 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADIUS: 3"  
NO. Z BARS: 1  
LENGTH: 1

BACKG COLOR: Green  
COPY COLOR: White

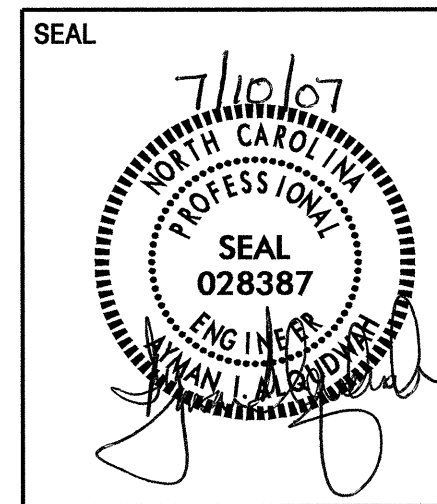
SYMBOL	X	Y	WID	HT
ARUP	7.7	6	6	9

DESIGN BY: WARD  
PROJECT ID: I-2810  
CHECKED BY: EATON  
DIV: 5  
DATE: Jun 22, 2007

Letter spacings are to start of next letter

Letter spacings are to start of next letter										Series/Size
										Text Length
O	X	F	O	R	D					D 2000
22.7	5.2	5.1	4.5	5.6	5.1	4.1	7.7			29.5

FILENAME: I2810\_sgn\_GuidsSign  
NORTH CAROLINA D.O.T. SIGN DETAIL



**TYPE "D"  
SIGN DESIGNS**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUJWAH		

5/14/99  
03-JUL-2007 15:23  
C:\tr-af\fig\signing\layout\plans\i2810\_sgn\_GuidsSign.dgn  
ericward

SIGN NUMBER: 311 TYPE: D QUANTITY: 1  
 SIGN WIDTH: 6'-0" HEIGHT: 2'-6" TOTAL AREA: 15.0 Sq.Ft.  
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3"  
 NO. Z BARS: LENGTH:

BACKG COLOR: Green/Green COPY COLOR: White  
 SYMBOL X Y WID HT  
 ARUP 7.4 17.1 6 9  
 ARUP 49.3 3.9 6 9

DESIGN BY: WARD CHECKED BY: EATON DATE: Jun 22, 2007  
 PROJECT ID: I-2810 DIV: 5

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS  
 Letter spacings are to start of next letter

Series/Size	Text Length
D 2000	45.2
D 2000	29.5

FILENAME: I2810\_sgn\_Guidesign NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 313 TYPE: D QUANTITY: 1  
 SIGN WIDTH: 7'-6" HEIGHT: 3'-0" TOTAL AREA: 22.5 Sq.Ft.  
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1" RADII: 6"  
 NO. Z BARS: LENGTH:

BACKG COLOR: Green COPY COLOR: White  
 SYMBOL X Y WID HT

DESIGN BY: WARD CHECKED BY: EATON DATE: Jun 22, 2007  
 PROJECT ID: I-2810 DIV: 5

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS  
 Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	40
EM 2000	6.5
EM 2000	48.3
EM 2000	14.6

FILENAME: I2810\_sgn\_Guidesign NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 314 TYPE: D QUANTITY: 1  
 SIGN WIDTH: 5'-0" HEIGHT: 2'-0" TOTAL AREA: 10.0 Sq.Ft.  
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3"  
 NO. Z BARS: LENGTH:

BACKG COLOR: Green COPY COLOR: White  
 SYMBOL X Y WID HT  
 ARUP 6.7 9 6 9

DESIGN BY: WARD CHECKED BY: EATON DATE: Jun 22, 2007  
 PROJECT ID: I-2810 DIV: 5

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS  
 Letter spacings are to start of next letter

Series/Size	Text Length
D 2000	29.5
D 2000	31.7

FILENAME: I2810\_sgn\_Guidesign NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 315 TYPE: D QUANTITY: 1  
 SIGN WIDTH: 5'-0" HEIGHT: 2'-0" TOTAL AREA: 10.0 Sq.Ft.  
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3"  
 NO. Z BARS: LENGTH:

BACKG COLOR: Green COPY COLOR: White  
 SYMBOL X Y WID HT  
 ARUP 44.3 9 6 9

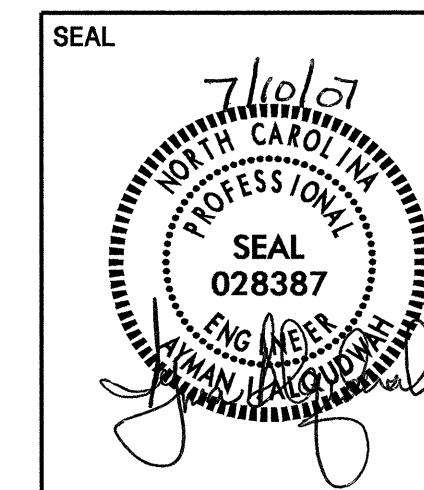
DESIGN BY: WARD CHECKED BY: EATON DATE: Jun 22, 2007  
 PROJECT ID: I-2810 DIV: 5

USE NOTES: 1,4  
 1. Legend and border shall be direct applied Type III reflective sheeting.  
 2. Legend and border shall be direct applied non-reflective sheeting.  
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
 4. Background shall be Type III reflective sheeting.  
 5. Background shall be Type I reflective sheeting.  
 6. Center arrow(s) vertically on sign.  
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS  
 Letter spacings are to start of next letter

Series/Size	Text Length
D 2000	29.5
D 2000	31.7

FILENAME: I2810\_sgn\_Guidesign NORTH CAROLINA D.O.T. SIGN DETAIL



**TYPE "D" SIGN DESIGNS**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE	06/29/07	DIVISION OF HIGHWAYS	
SIGNING DESIGN ENG	E. WARD	TRAFFIC ENGINEERING BRANCH	
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

5/14/09 03-JUL-2007 15:23 810\tr\er\signing\2810\signing layout\plans\I2810\_sgn\_Guidesign.dgn erward

SIGN NUMBER: 316  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 5'-0"  
HEIGHT: 2'-6"  
TOTAL AREA: 12.5 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADIUS: 3"  
NO. Z BARS: 1  
LENGTH: 1

BACKG COLOR: Green  
COPY COLOR: White

DESIGN BY: WARD  
PROJECT ID: I-2810  
CHECKED BY: EATON  
DIV: 5  
DATE: Jun 22, 2007

USE NOTES: 1,4  
1. Legend and border shall be direct applied Type III reflective sheeting.  
2. Legend and border shall be direct applied non-reflective sheeting.  
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
4. Background shall be Type III reflective sheeting.  
5. Background shall be Type I reflective sheeting.  
6. Center arrow(s) vertically on sign.  
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size	
													Text Length	
E	N	T	E	R	I	N	G	I	N	T	O		D 2000	
10.6	3.2	3.3	3.1	3.2	3.4	1.6	3.6	2.7	4	1.6	3.3	3	2.8	38.8
R	O	A	N	O	K	E							EM 2000	
10.7	5.9	5.4	6.4	5.8	5.9	5.3	4	10.7					38.7	
R	I	V	E	R	B	A	S	I	N				EM 2000	
7	5.4	2.5	4.8	4.9	2.5	5	5	4.8	4.8	3	3.3	7	46	

Spacing Factor is 1 unless specified otherwise

FILENAME: 12810\_sgn\_Guidesign NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 317  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 5'-0"  
HEIGHT: 2'-6"  
TOTAL AREA: 12.5 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADIUS: 3"  
NO. Z BARS: 1  
LENGTH: 1

BACKG COLOR: Green  
COPY COLOR: White

DESIGN BY: WARD  
PROJECT ID: I-2810  
CHECKED BY: EATON  
DIV: 5  
DATE: Jun 22, 2007

USE NOTES: 1,4  
1. Legend and border shall be direct applied Type III reflective sheeting.  
2. Legend and border shall be direct applied non-reflective sheeting.  
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
4. Background shall be Type III reflective sheeting.  
5. Background shall be Type I reflective sheeting.  
6. Center arrow(s) vertically on sign.  
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size	
													Text Length	
E	N	T	E	R	I	N	G	I	N	T	O		D 2000	
10.6	3.2	3.3	3.1	3.2	3.4	1.6	3.6	2.7	4	1.6	3.3	3	2.8	38.8
T	A	R	-	P	A	M	I	L	I	C	O		EM 2000	
3.2	5	5.6	3	2.2	2.1	2.2	5.5	5.6	8.2	2.8	2.4	4.8	4.1	53.5
R	I	V	E	R	B	A	S	I	N				EM 2000	
7	5.4	2.5	4.8	4.9	2.5	5	5	4.8	4.8	3	3.3	7	46	

Spacing Factor is 0.67 for "Tar-Pamlico" text only

FILENAME: 12810\_sgn\_Guidesign NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 318,319  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 2'-0"  
HEIGHT: 1'-0"  
TOTAL AREA: 2.0 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADIUS: 3"  
NO. Z BARS: 1  
LENGTH: 1

BACKG COLOR: Green  
COPY COLOR: White

DESIGN BY: WARD  
PROJECT ID: I-2810  
CHECKED BY: EATON  
DIV: 5  
DATE: Jun 22, 2007

USE NOTES: 1,4  
1. Legend and border shall be direct applied Type III reflective sheeting.  
2. Legend and border shall be direct applied non-reflective sheeting.  
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
4. Background shall be Type III reflective sheeting.  
5. Background shall be Type I reflective sheeting.  
6. Center arrow(s) vertically on sign.  
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter						Series/Size
						Text Length
1	1	2	8			C 2000
5.9	2.5	2.3	4.1	3.4	5.9	12.2

Spacing Factor is 1 unless specified otherwise

FILENAME: 12810\_sgn\_Guidesign NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 320,321  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 2'-0"  
HEIGHT: 1'-0"  
TOTAL AREA: 2.0 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADIUS: 3"  
NO. Z BARS: 1  
LENGTH: 1

BACKG COLOR: Green  
COPY COLOR: White

DESIGN BY: WARD  
PROJECT ID: I-2810  
CHECKED BY: EATON  
DIV: 5  
DATE: Jun 22, 2007

USE NOTES: 1,4  
1. Legend and border shall be direct applied Type III reflective sheeting.  
2. Legend and border shall be direct applied non-reflective sheeting.  
3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.  
4. Background shall be Type III reflective sheeting.  
5. Background shall be Type I reflective sheeting.  
6. Center arrow(s) vertically on sign.  
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter						Series/Size
						Text Length
1	1	6	2			C 2000
5.7	2.5	2.5	4.3	3.4	5.7	12.5

Spacing Factor is 1 unless specified otherwise

FILENAME: 12810\_sgn\_Guidesign NORTH CAROLINA D.O.T. SIGN DETAIL



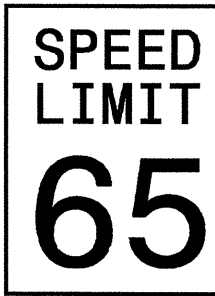
**TYPE "D"  
SIGN DESIGNS**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE	06/29/07	DIVISION OF HIGHWAYS	
SIGNING DESIGN ENG	E. WARD	TRAFFIC ENGINEERING BRANCH	
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

5/14/09  
810:\tr\er\12810\_sgn\signing layout\plans\12810\_sgn\_Guidesign.dgn  
03-JUL-2007 15:24  
ericward

5/14/99  
06-JUL-2007 15:30  
I:\2810\ref\trc\signing\sgnd\signing\_layout\plans\2810\_sgn\_title.dgn  
ericward

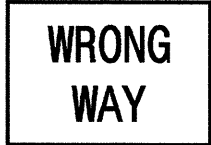
401 QUANTITY REQ'D   4  



48 X 60  
R2-1

TWO "U" POSTS PER SIGN

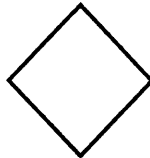
410 QUANTITY REQ'D   6  



36 X 24  
R5-1a

ONE "U" POST PER SIGN

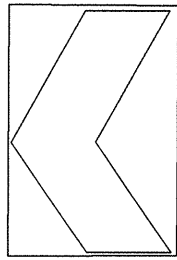
417 QUANTITY REQ'D   1  



18 X 18  
W23-15

MOUNT BELOW SIGN 415  
IN 1 INSTALLATIONS

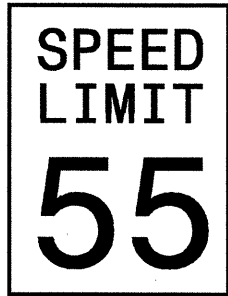
470 QUANTITY REQ'D   7  



24 X 30  
W1-8

ONE "U" POST PER SIGN


402 QUANTITY REQ'D   3  



30 X 36  
R2-1

ONE "U" POSTS PER SIGN

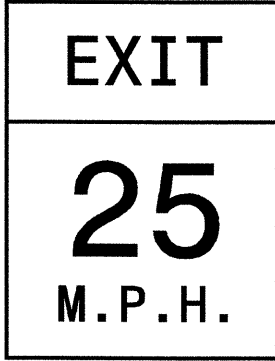
411 QUANTITY REQ'D   5  



30 X 30  
R5-1

ONE "U" POST PER SIGN  
MOUNT BACK TO BACK WITH  
SIGN 408 IN 3 LOCATIONS


418 QUANTITY REQ'D   1  



48 X 60  
W13-2

TWO "U" POSTS PER SIGN


403 QUANTITY REQ'D   3  



24 X 30  
R2-1

ONE "U" POST PER SIGN

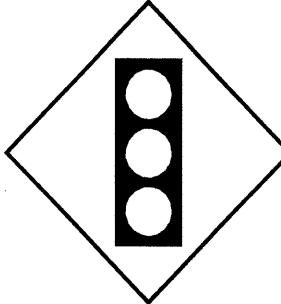
413 QUANTITY REQ'D   3  



54 X 18  
R6-1 (R)

TWO "U" POSTS PER SIGN

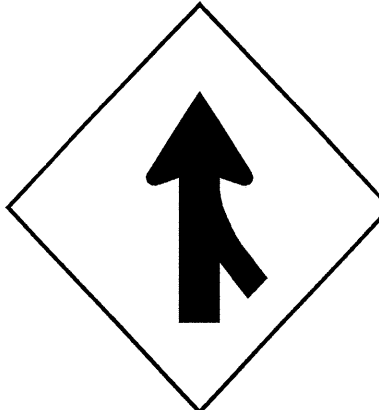
438 QUANTITY REQ'D   1  



36 X 36  
W3-3

ONE "U" POST PER SIGN


406 QUANTITY REQ'D   5  



48 X 48  
W4-1 (R)

TWO "U" POSTS PER SIGN


414 QUANTITY REQ'D   2  



54 X 18  
R6-1 (L)

MOUNT BACK TO BACK WITH  
SIGN 413 IN 2 LOCATIONS


464 QUANTITY REQ'D   2  



30 X 30  
W11-3

ONE "U" POST PER SIGN

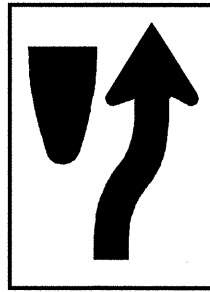
408 QUANTITY REQ'D   4  



30 X 30  
R1-1

ONE "U" POST PER SIGN  
MOUNT BACK TO BACK WITH  
SIGN 415 IN 1 LOCATION

415 QUANTITY REQ'D   1  



24 X 30  
R4-7

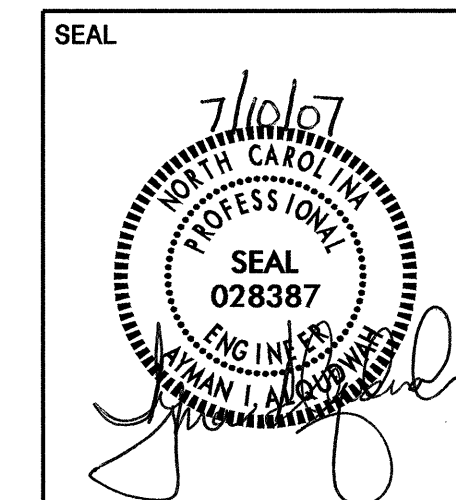
ONE "U" POSTS PER SIGN

465 QUANTITY REQ'D  10  



24 X 30  
R8-3

ONE "U" POSTS PER SIGN



<b>TYPE "E" SIGNS</b>			
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

5/14/99  
05-JUL-2007 13:55  
I:\2810\traffic\signing\sgn\_title.dgn  
I:\2810\traffic\signing\sgn\_title.dgn  
I:\2810\traffic\signing\sgn\_title.dgn

501 511 519

**SOUTH** 1-30 X 15  
**INTERSTATE 85** 1-36 X 36

ONE "U" POSTS PER SIGN

507

**NORTH** 2-24 X 12  
**SOUTH** 2-24 X 12  
**INTERSTATE 85** 2-24 X 24  
**INTERSTATE 85** 2-24 X 24  
**↑** 2-21 X 15  
**→** 2-21 X 15

TWO "U" POSTS PER SIGN

514

**TO** 1-24 X 12  
**NORTH** 1-24 X 12  
**INTERSTATE 85** 1-24 X 24  
**←** 1-21 X 15

ONE "U" POSTS PER SIGN

QUANTITY REQ'D   2  

MILE **208** 12 X 48

QUANTITY REQ'D   2  

MILE **212** 12 X 48

502 506

**JCT** 1-21 X 15  
**INTERSTATE 85** 1-24 X 24

ONE "U" POSTS PER SIGN

508

**NORTH** 1-24 X 12  
**INTERSTATE 85** 1-24 X 24  
**↶** 1-21 X 15

ONE "U" POSTS PER SIGN

515

**TO** 1-24 X 12  
**WEST** 1-24 X 12  
D9-2  
**H** 1-24 X 24  
**158** 1-30 X 24  
**←** 2-21 X 15  
**↑** 2-21 X 15

TWO "U" POSTS PER SIGN

QUANTITY REQ'D   2  

MILE **209** 12 X 48

QUANTITY REQ'D   2  

MILE **213** 12 X 48

503

**SOUTH** 2-24 X 12  
**NORTH** 2-24 X 12  
**INTERSTATE 85** 2-24 X 24  
**INTERSTATE 85** 2-24 X 24  
**↑** 2-21 X 15  
**→** 2-21 X 15

TWO "U" POSTS PER SIGN

509

**NORTH** 1-24 X 12  
**INTERSTATE 85** 1-24 X 24  
**←** 1-21 X 15

MOUNT BELOW SIGN NO. 309

516

**TO** 1-24 X 12  
**SOUTH** 2-24 X 12  
**NORTH** 2-24 X 12  
**INTERSTATE 85** 2-24 X 24  
**INTERSTATE 85** 2-24 X 24  
**←** 2-21 X 15  
**↑** 2-21 X 15

MOUNT BELOW SIGN NO. 314

QUANTITY REQ'D   2  

MILE **210** 12 X 48

504

**SOUTH** 1-24 X 12  
**INTERSTATE 85** 1-24 X 24  
**↶** 1-21 X 15

ONE "U" POSTS PER SIGN

510 512

**NORTH** 1-30 X 15  
**INTERSTATE 85** 1-36 X 36

ONE "U" POSTS PER SIGN

518

**SOUTH** 1-24 X 12  
**INTERSTATE 85** 1-24 X 24  
D9-2  
**H** 1-24 X 24  
**→** 2-21 X 15  
**→** 2-21 X 15

TWO "U" POSTS PER SIGN

QUANTITY REQ'D   2  

MILE **211** 12 X 48

505

**SOUTH** 1-24 X 12  
**INTERSTATE 85** 1-24 X 24  
**←** 1-21 X 15

MOUNT BELOW SIGN NO. 310

513 517

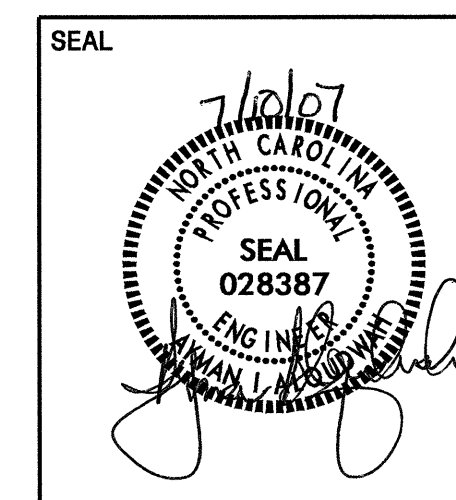
**JCT** 1-21 X 15  
**SOUTH** 1-24 X 12  
**INTERSTATE 85** 1-24 X 24

ONE "U" POSTS PER SIGN

520

**WEST** 1-21 X 15  
**BY-PASS** 1-24 X 12  
**158** 1-30 X 24

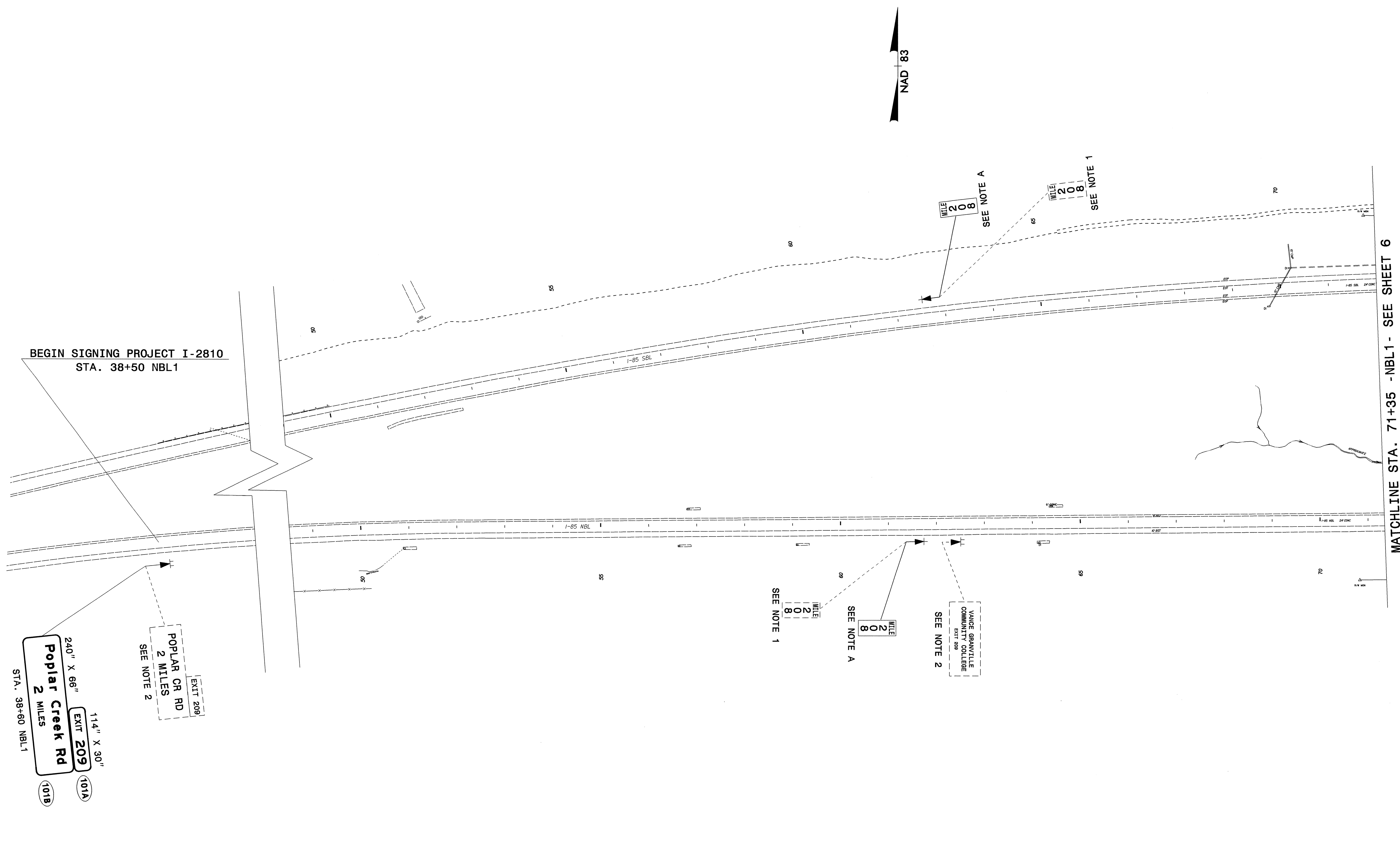
ONE "U" POSTS PER SIGN



TYPE "F" SIGNS & MILEMARKERS		REVISIONS	
SCALE	NONE		
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUIDWAH		
N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH			



5/14/99



BEGIN SIGNING PROJECT I-2810  
STA. 38+50 NBL1

240" X 66"  
**Poplar Creek Rd**  
2 MILES  
STA. 38+60 NBL1

114" X 30"  
**EXIT 209**  
101A  
101B

240" X 66"  
**POPLAR CR RD**  
2 MILES  
EXIT 208  
SEE NOTE 2

SEE NOTE 1  
MILE 208

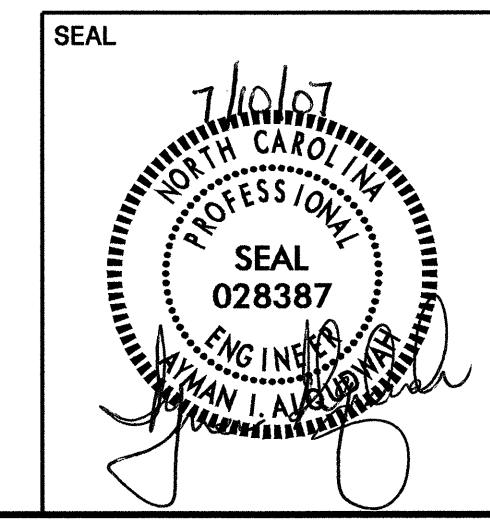
SEE NOTE A  
MILE 208

SEE NOTE 2  
VANCE GRANVILLE  
COMMUNITY COLLEGE  
EXIT 209

SEE NOTE A  
MILE 208

SEE NOTE 1  
MILE 208

MATCHLINE STA. 71+35 - NBL1 - SEE SHEET 6



**EXISTING & PROPOSED SIGNS**  
**I-85 -NBL-**  
**STA. 44+00 - STA. 71+35**

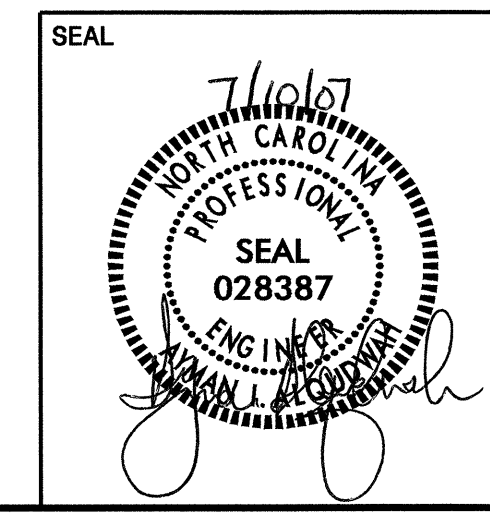
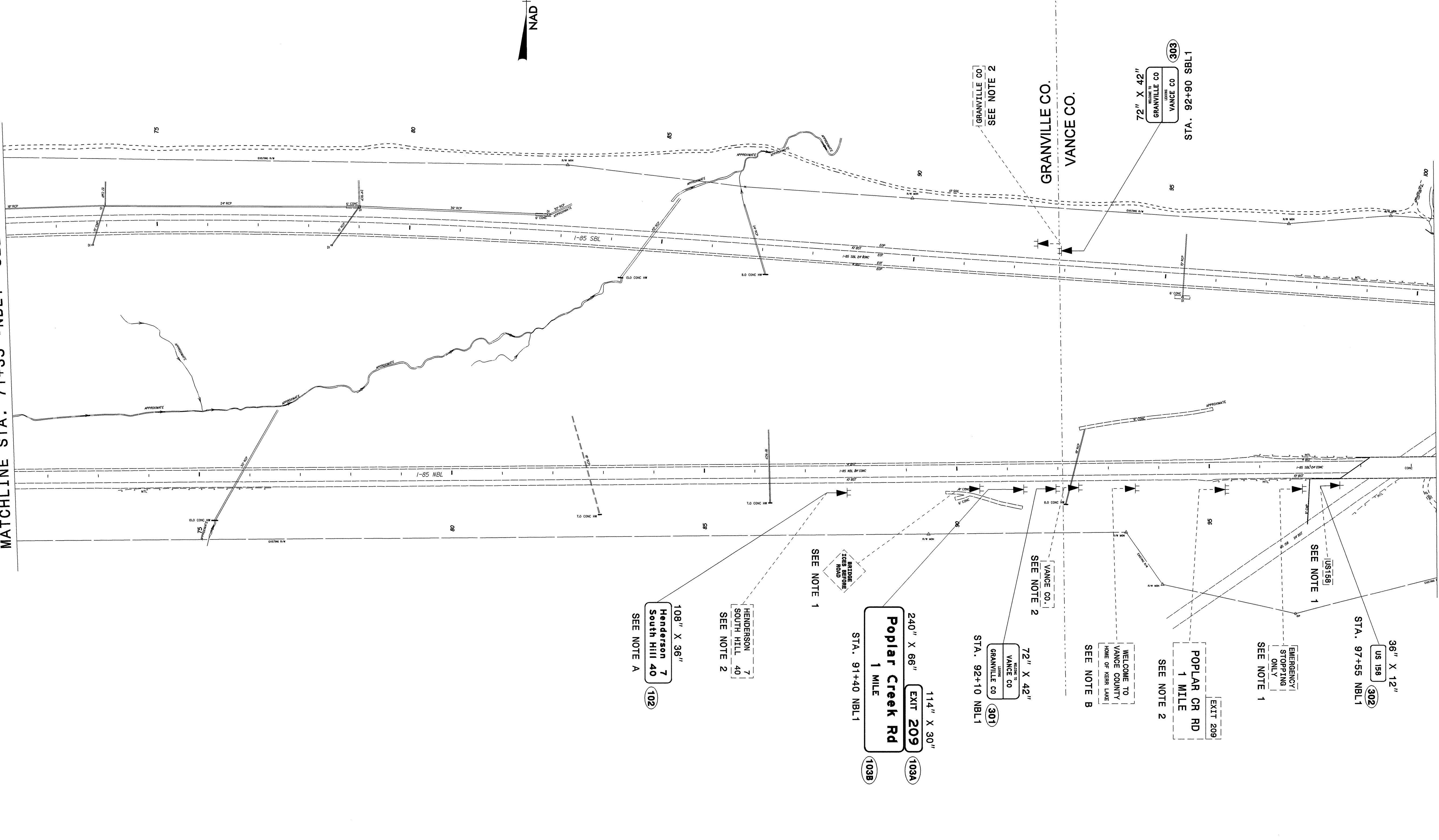
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUIDWAH		

03-JUL-2007 15:32  
2810\traffic\signing\layout\plans\i2810\_sgn\_psh\_5.dgn  
ericward



MATCHLINE STA. 71+35 -NBL1- SEE SHEET 5

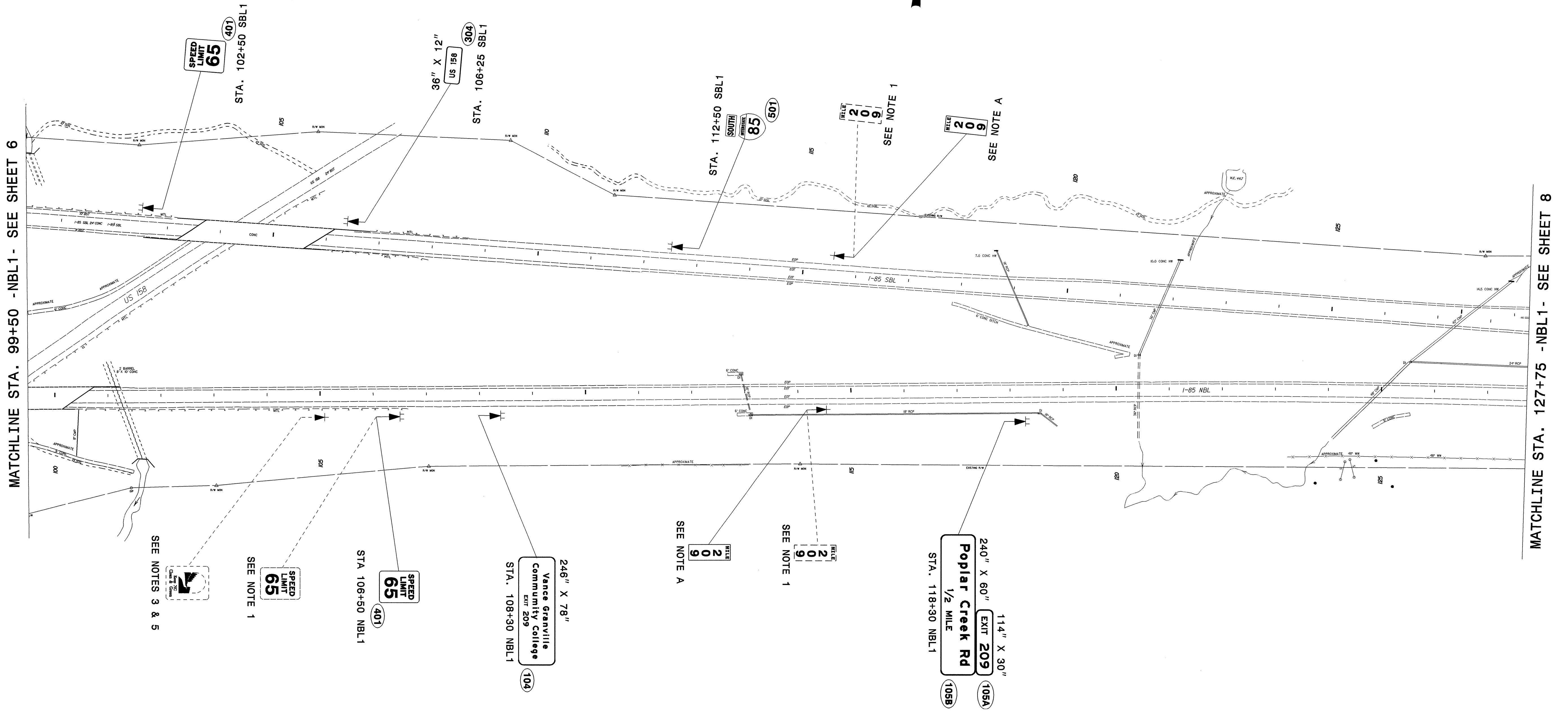
MATCHLINE STA. 99+50 -NBL1- SEE SHEET 7



**EXISTING & PROPOSED SIGNS**  
**I-85 -NBL1-**  
**STA. 71+35 - STA. 99+50**

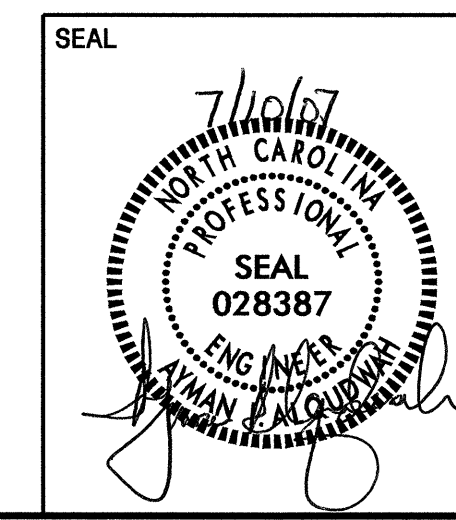
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

5/14/99  
 06-JUL-2007 15:31  
 \\t2810\traffic\signing\12810\_sgn\_psh\_6.dgn  
 ericward



MATCHLINE STA. 99+50 -NBL1- SEE SHEET 6

MATCHLINE STA. 127+75 -NBL1- SEE SHEET 8



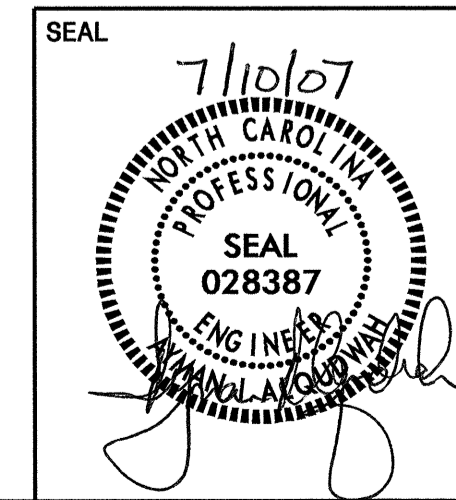
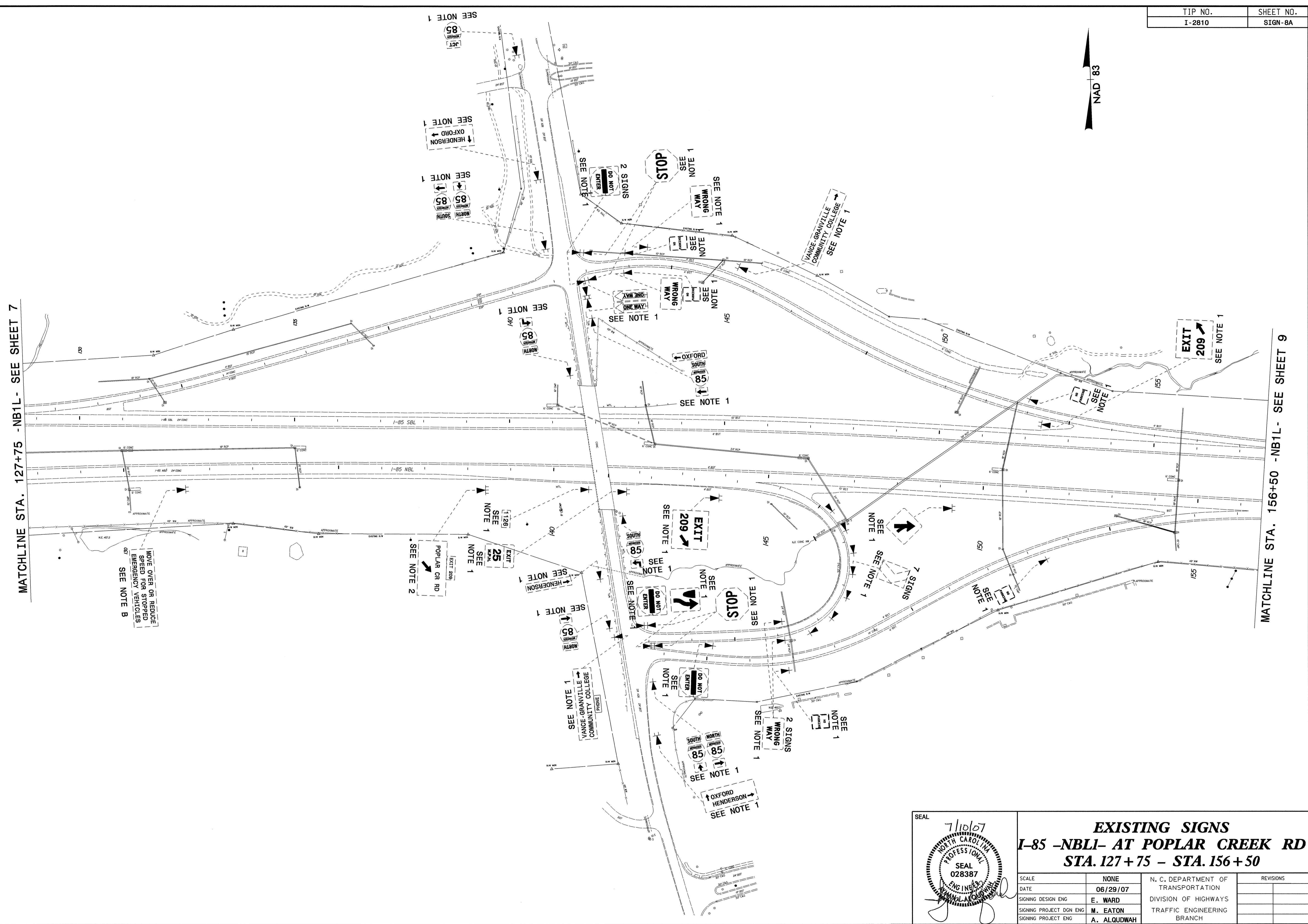
EXISTING & PROPOSED SIGNS			
I-85 -NBL1-			
STA. 99+50 - STA. 127+75			
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

5/14/99  
 03-JUL-2007 15:33  
 I:\2810\tr-er-ic-ward\signing\2810\_sgn\_psh\_7.dgn  
 ericward



MATCHLINE STA. 127+75 -NB1L- SEE SHEET 7

MATCHLINE STA. 156+50 -NB1L- SEE SHEET 9



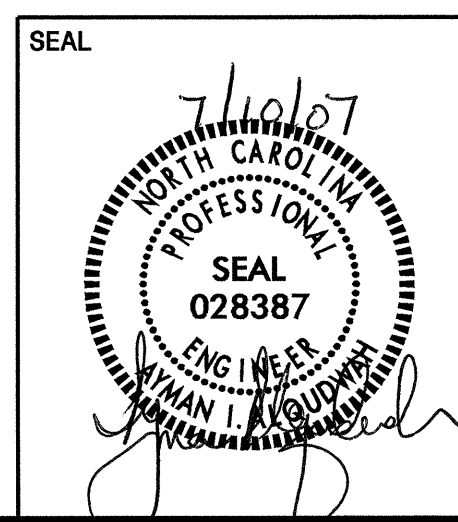
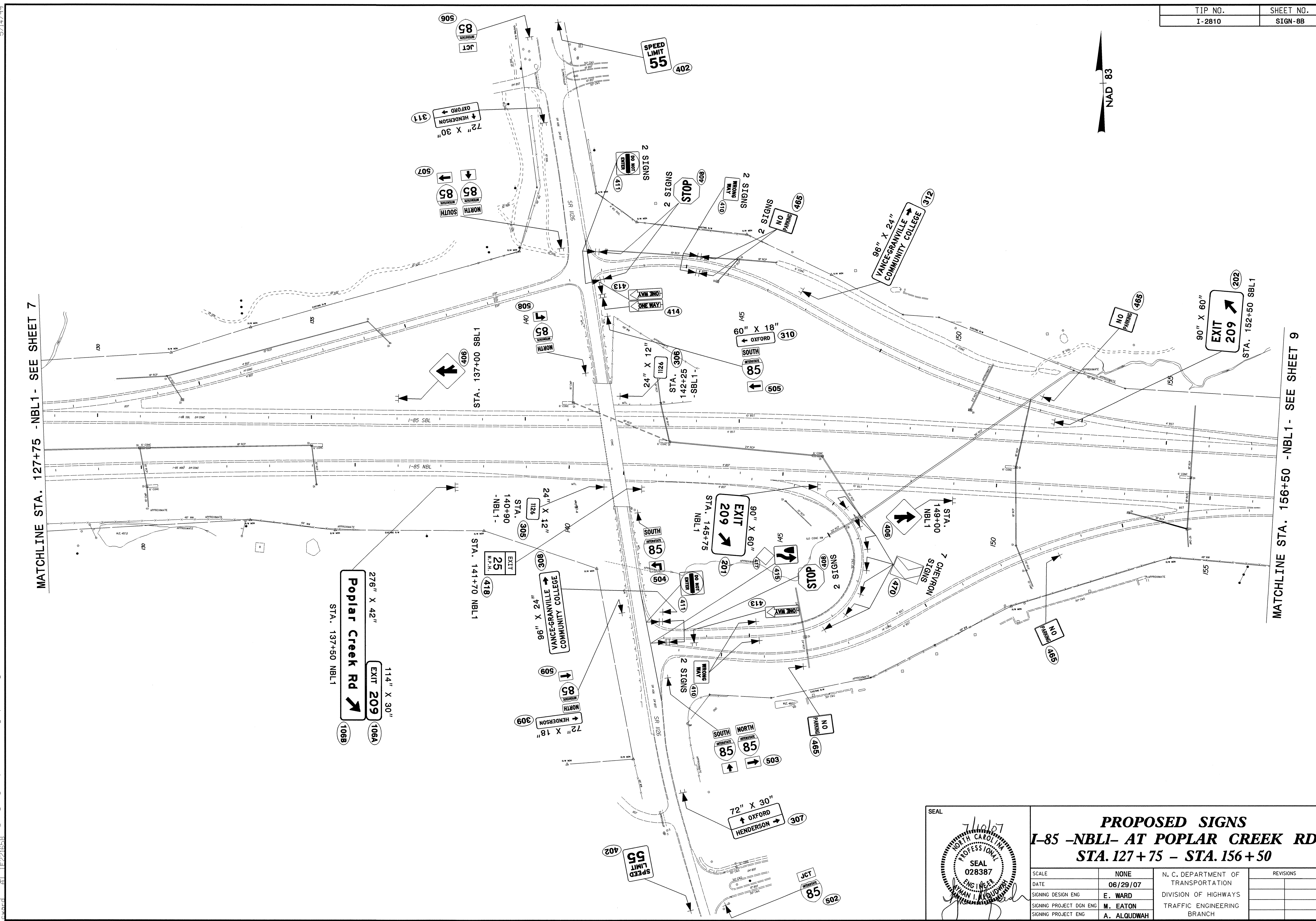
EXISTING SIGNS I-85 -NBL- AT POPLAR CREEK RD STA. 127 + 75 - STA. 156 + 50			
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DON ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

07-JUL-2007 15:34  
 s:\01\traffic\signing layout plans\2810\_sgn\_psh\_8a.dgn  
 5/14/99



MATCHLINE STA. 127+75 - NBL1 - SEE SHEET 7

MATCHLINE STA. 156+50 - NBL1 - SEE SHEET 9



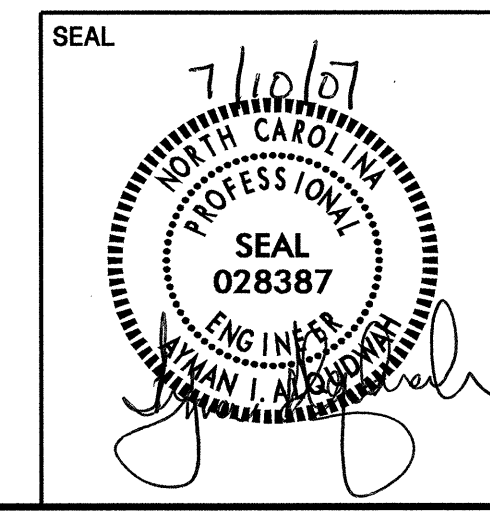
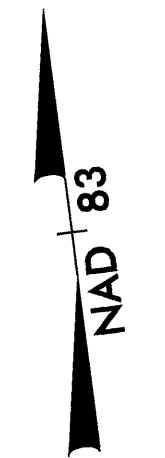
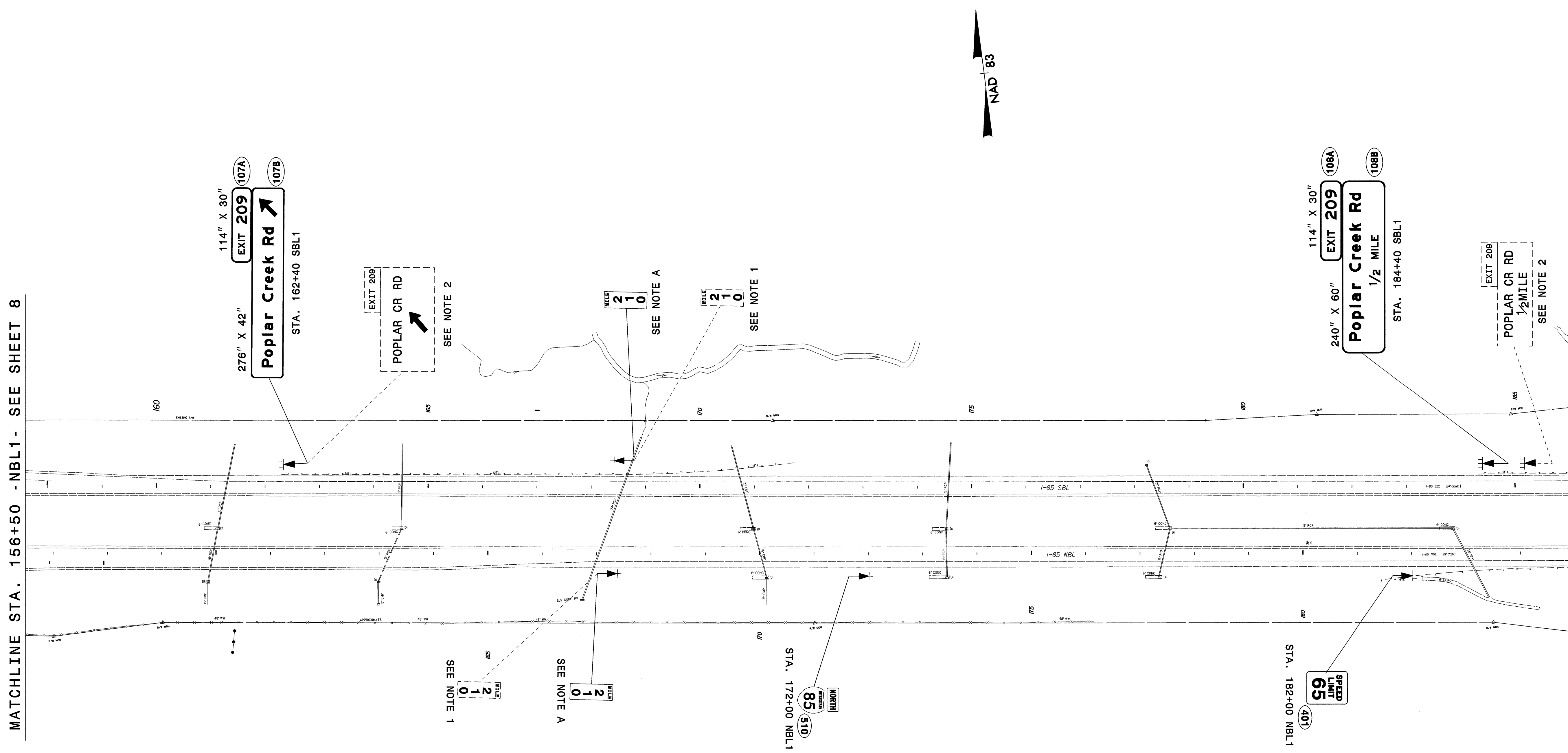
**PROPOSED SIGNS  
I-85 -NBL1- AT POPLAR CREEK RD  
STA. 127+75 - STA. 156+50**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

5/14/99  
06-JUL-2007 15:33  
er:\work\2007\062907\signing\layout\plans\i2810\_sgn\_psh\_8b.dgn  
TE221658

MATCHLINE STA. 156+50 - NBL1 - SEE SHEET 8

MATCHLINE STA. 185+00 - NBL1 - SEE SHEET 10

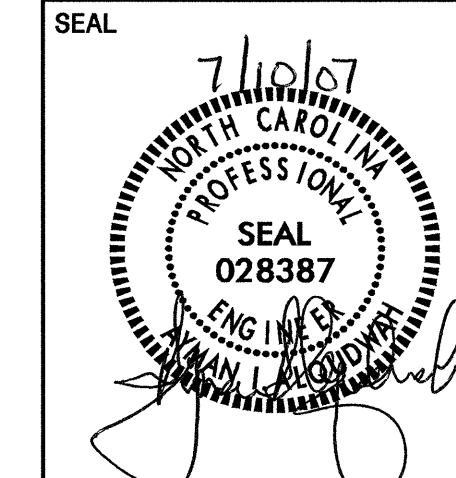
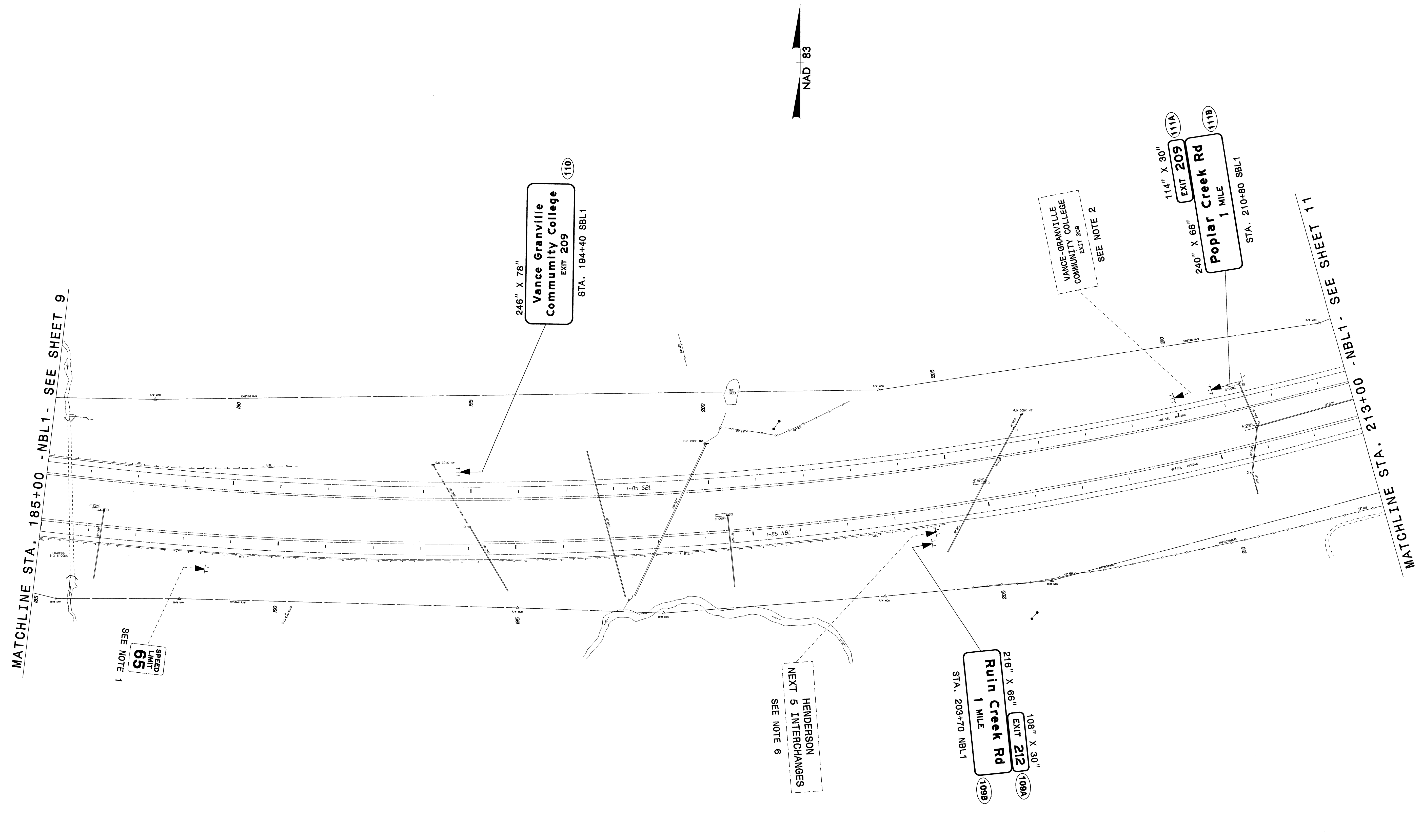


**EXISTING & PROPOSED SIGNS**  
**I-85 -L-**  
**STA. 156+50 - STA. 185+00**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

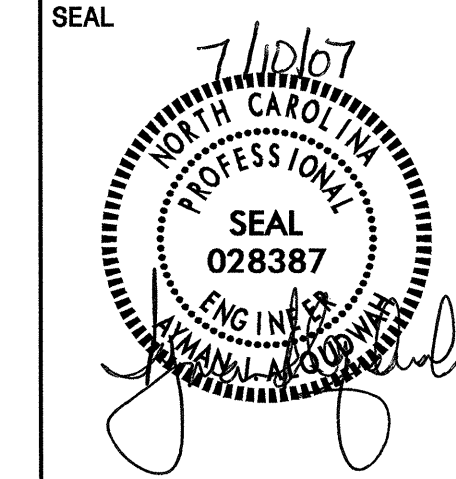
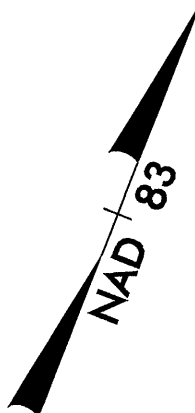
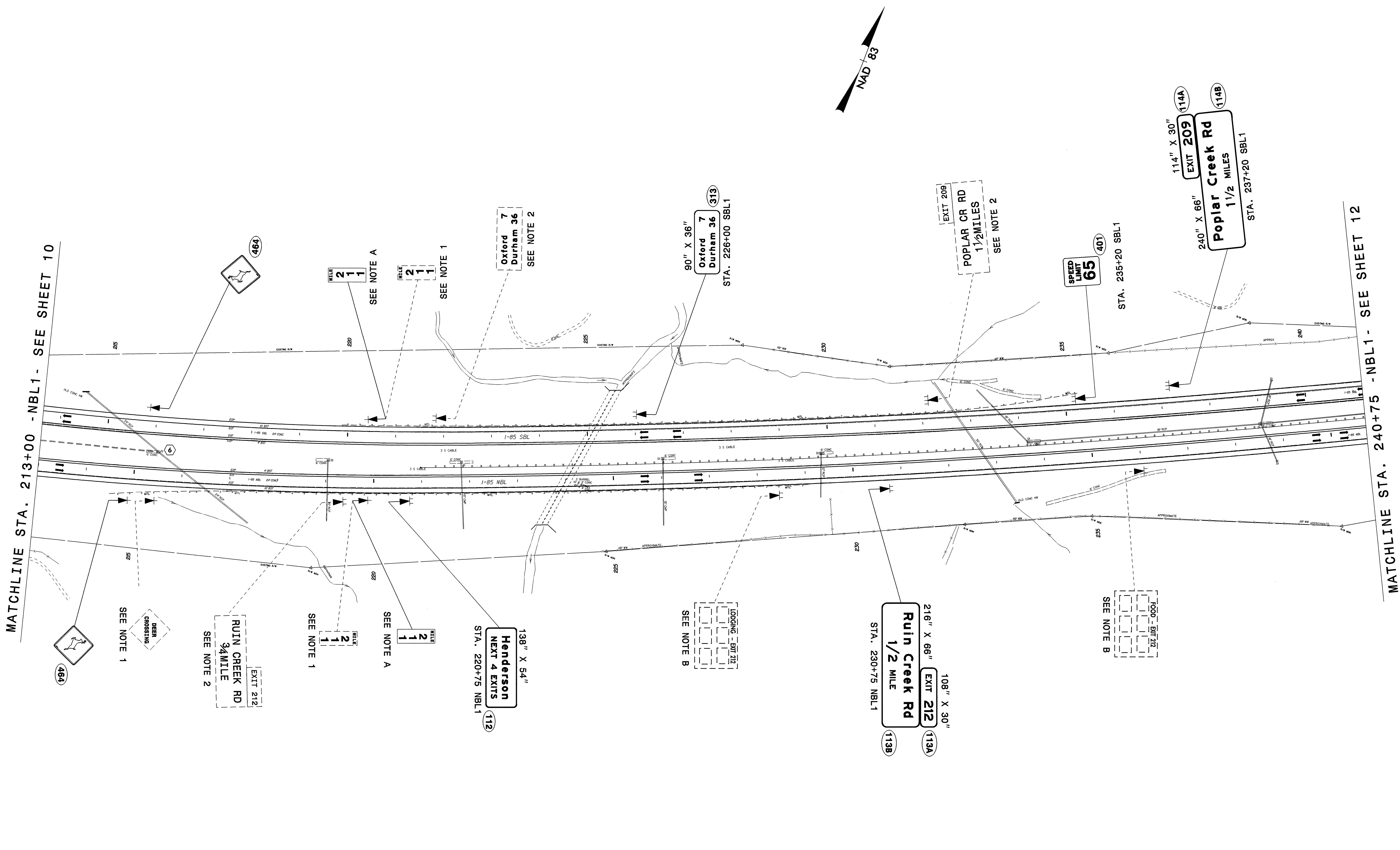
06-JUL-2007 15:35  
 I:\2810\traffic\signing\layout\plans\i2810\_sgn\_psh\_9.dgn  
 ericward 11/22/07

5/14/99  
03-JUL-2007 15:36  
I-2810\tr\of\ic\signing\layout\plans\2810\_sgn\_psh\_10.dgn  
ericward



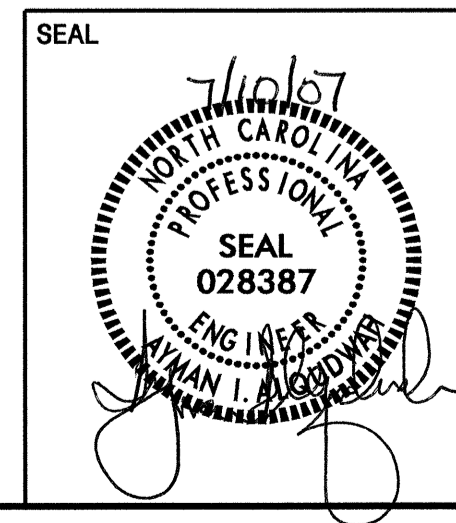
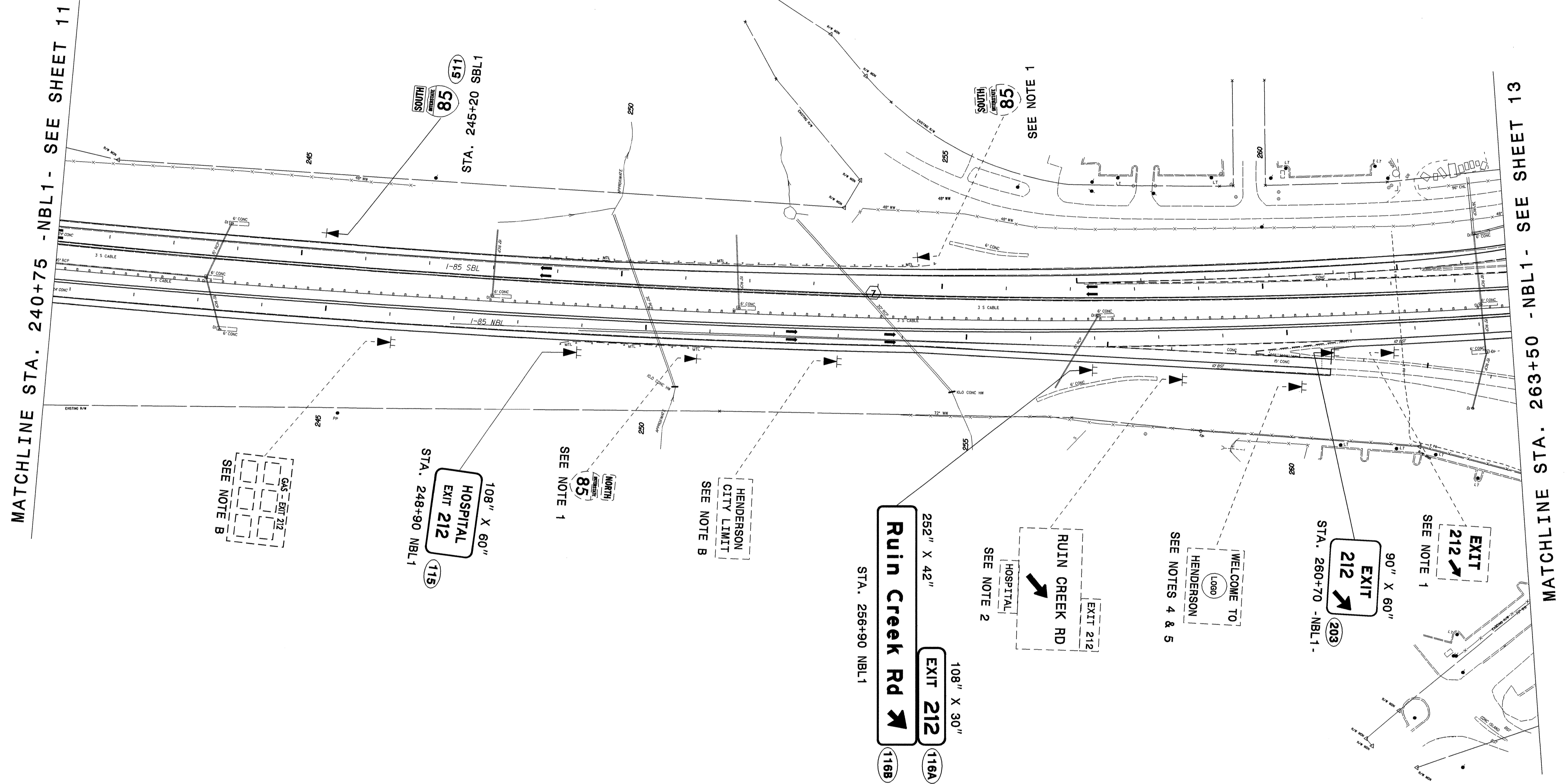
EXISTING & PROPOSED SIGNS			STATION REVISIONS	
I-85 -NBL1-			STA. 185+00 - STA. 213+00	
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS	
DATE	06/29/07	DIVISION OF HIGHWAYS		
SIGNING DESIGN ENG	E. WARD	TRAFFIC ENGINEERING BRANCH		
SIGNING PROJECT DGN ENG	M. EATON			
SIGNING PROJECT ENG	A. ALQUDWAH			

5/14/99  
06-JUL-2007 16:36  
2810\proj\11\11\signing\layout\plans\2810\_sgn\_psh\_11.dgn  
ericward



EXISTING & PROPOSED SIGNS			
I-85 -NBL-			
STA. 213+00 - STA. 240+75			
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUIDWAH		



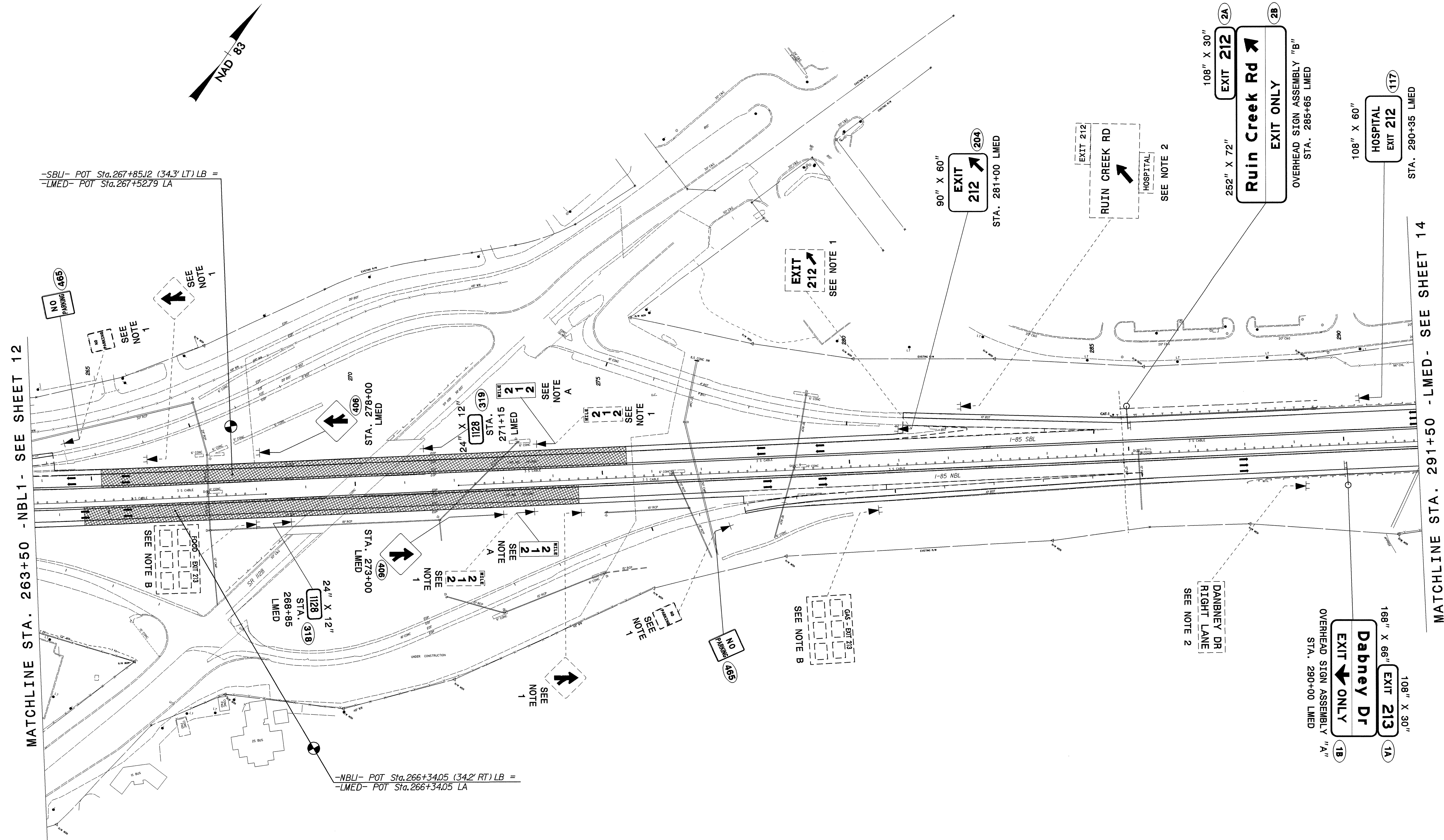


**EXISTING & PROPOSED SIGNS**  
**I-85 -NBL1-**  
**STA. 240+75 - STA. 263+50**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

06-JUL-2007 15:37  
 2810-traffic-signing\2810\_sgn\_psh\_12.dgn  
 ericward

5/14/99

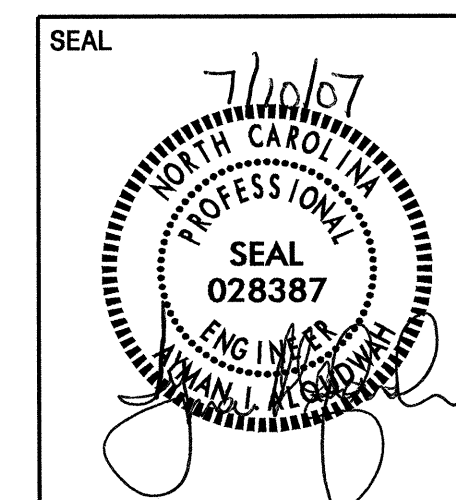


-SBLI- POT Sta. 267+85.12 (34.3' LT) LB =  
-LMED- POT Sta. 267+52.79 LA

-NBLI- POT Sta. 266+34.05 (34.2' RT) LB =  
-LMED- POT Sta. 266+34.05 LA

MATCHLINE STA. 263+50 -NBL1- SEE SHEET 12

MATCHLINE STA. 291+50 -LMED- SEE SHEET 14



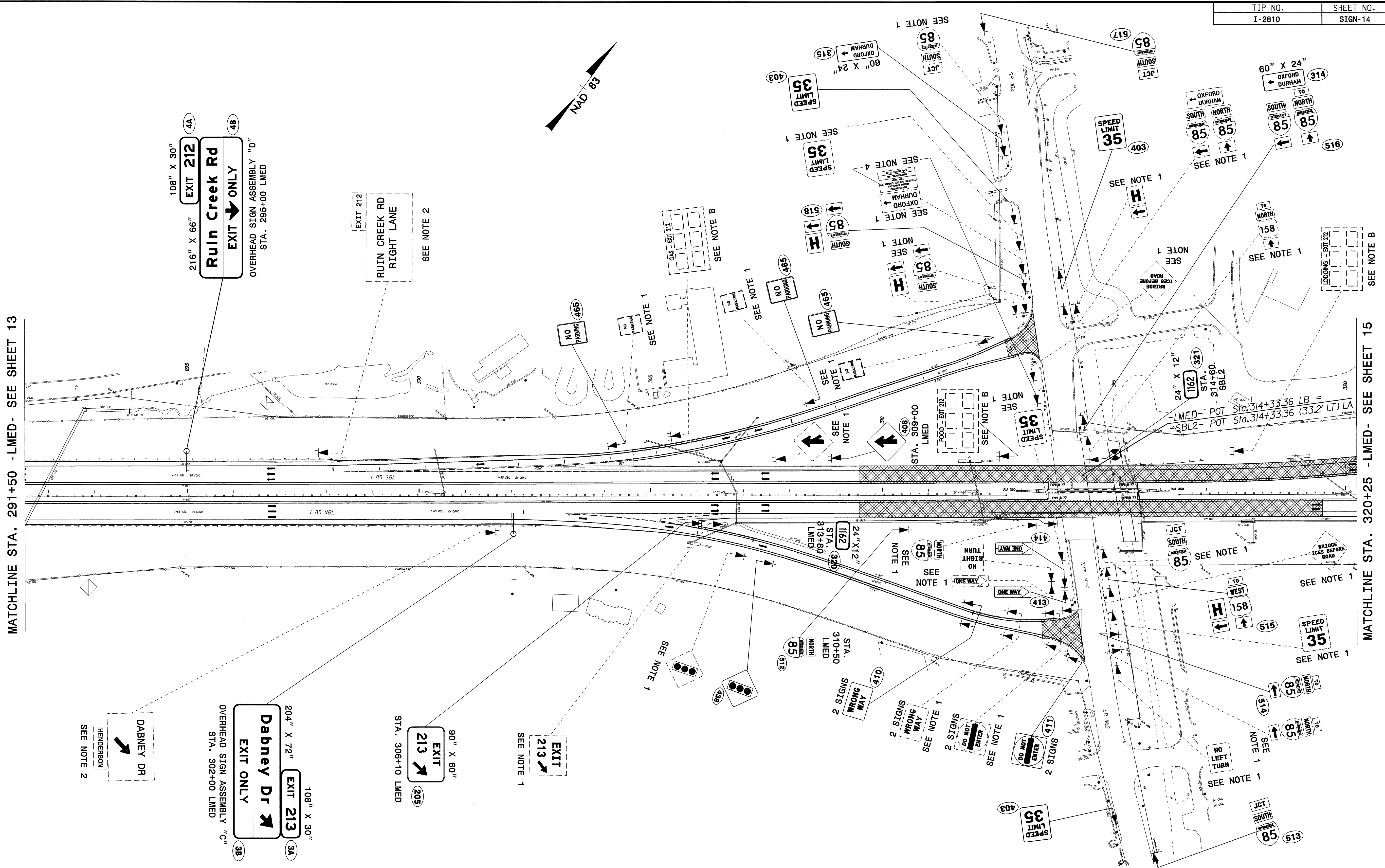
EXISTING & PROPOSED SIGNS		I-85 AT RUIN CREEK RD		STA. 263+50 NBL1 - STA. 291+50 LMED	
SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION		REVISIONS	
DATE	06/29/07	DIVISION OF HIGHWAYS			
SIGNING DESIGN ENG	E. WARD	TRAFFIC ENGINEERING BRANCH			
SIGNING PROJECT DGN ENG	M. EATON				
SIGNING PROJECT ENG	A. ALQUIDWAH				

03-JUL-2007 15:39  
2810-traffic\signing\layout\plans\i2810\_sgn\_psh\_13.dgn  
ericward 11/22/08

MATCHLINE STA. 291+50 - LMED - SEE SHEET 13

MATCHLINE STA. 320+25 - LMED - SEE SHEET 15

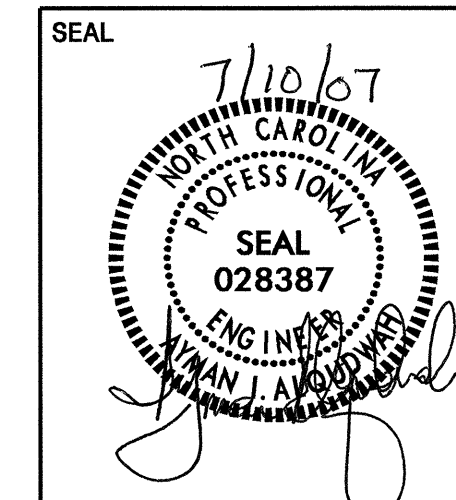
5/14/99 03-JUL-2007 15:39 2810-traffic-signing\sgn\layout plans\2810\_sgn\_psh\_14.dgn



108" X 30" EXIT 212  
 216" X 66" Ruin Creek Rd EXIT ONLY  
 OVERHEAD SIGN ASSEMBLY "D"  
 STA. 295+00 LMED

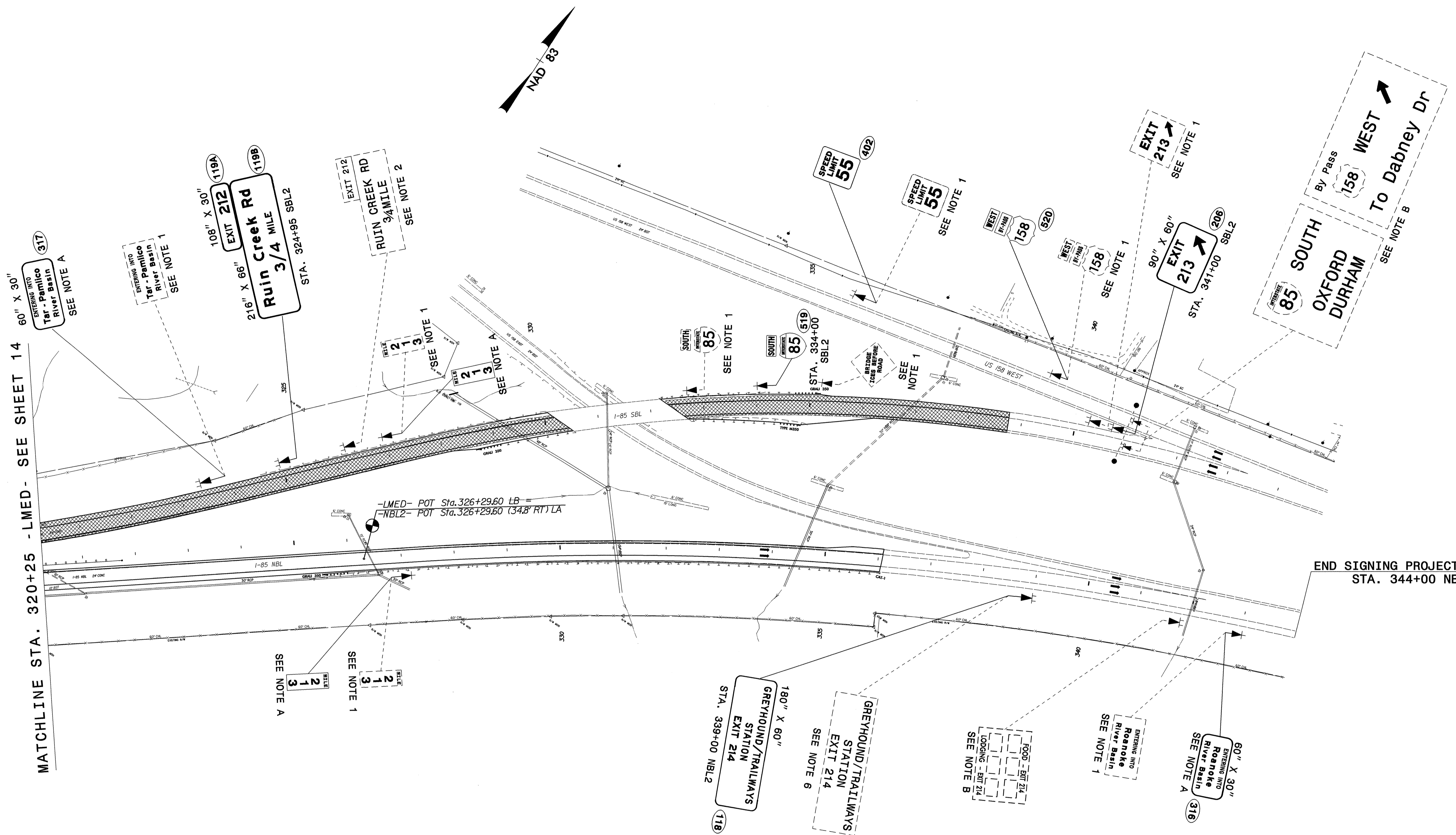
108" X 30" EXIT 213  
 204" X 72" Dabney Dr EXIT ONLY  
 OVERHEAD SIGN ASSEMBLY "C"  
 STA. 302+00 LMED

90" X 60" EXIT 213  
 STA. 306+10 LMED



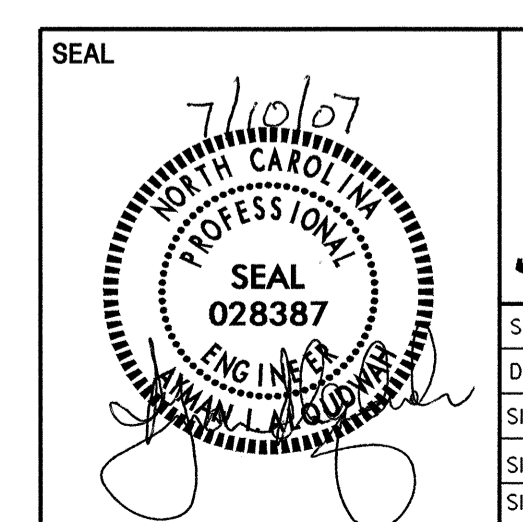
**EXISTING & PROPOSED SIGNS  
 I-85 AT DABNEY DR  
 STA. 291+50 - STA. 320+25**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		



MATCHLINE STA. 320+25 - LMED - SEE SHEET 14

END SIGNING PROJECT I-2810  
STA. 344+00 NBL2



**EXISTING & PROPOSED SIGNS**  
**I-85 AT DABNEY DR**  
**STA. 320+25 LMED - STA. 344+00 NBL2**

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	06/29/07		
SIGNING DESIGN ENG	E. WARD		
SIGNING PROJECT DGN ENG	M. EATON		
SIGNING PROJECT ENG	A. ALQUDWAH		

5/14/99  
03-JUL-2007 15:40  
2810\traffic\signing\2810\sgn\_psh\_15.dgn  
erward