


T.I.P.: B-4033

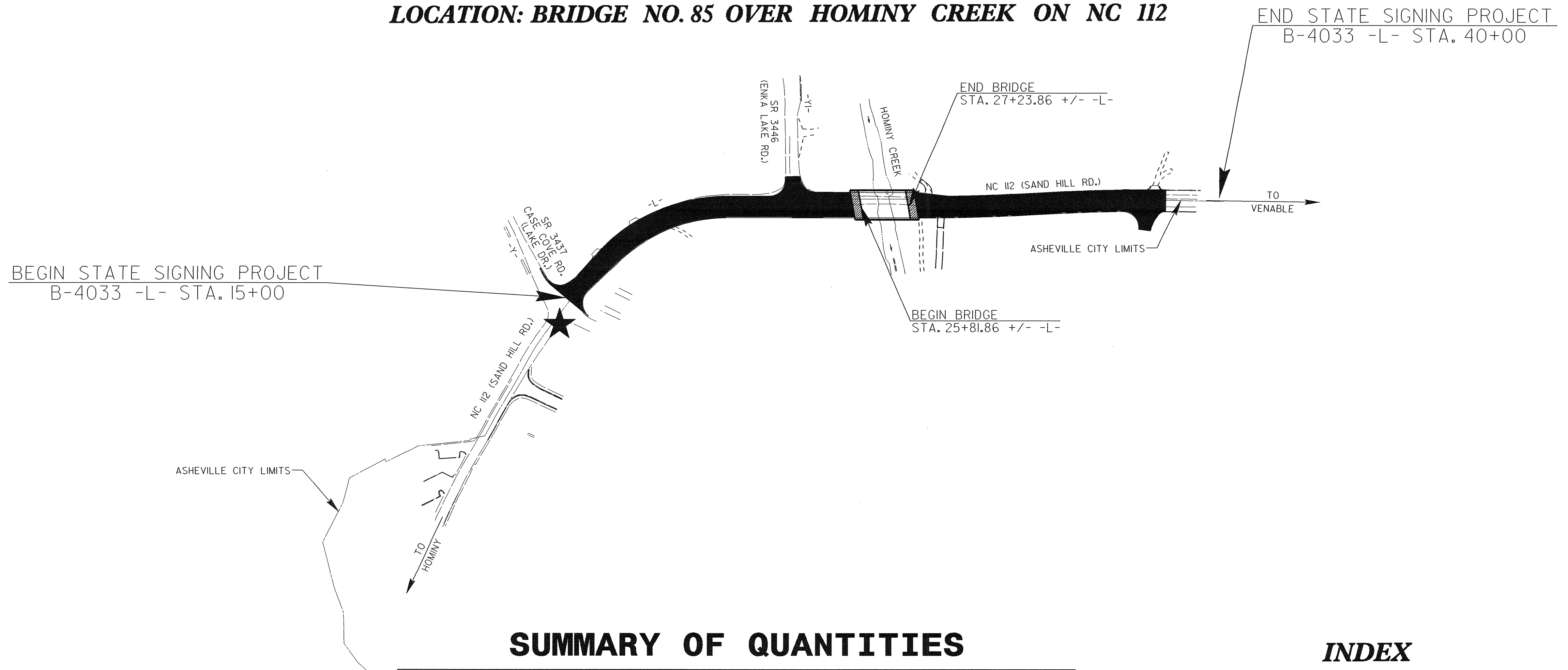
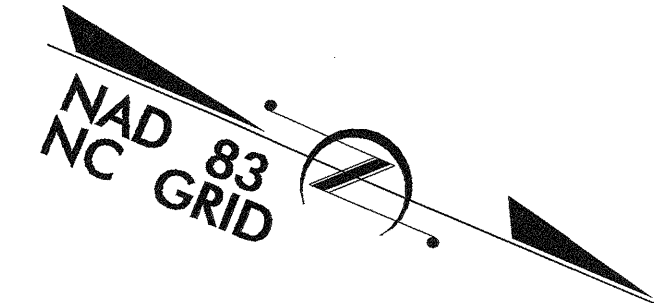
CONTRACT: C201892

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS  
BUNCOMBE COUNTY**

**LOCATION: BRIDGE NO. 85 OVER HOMINY CREEK ON NC 112**

TIP NO. B-4033	SHEET NO. SIGN-1
APPROVED: <i>[Signature]</i>	
DATE: 5/2/08	
SEAL	
	



**SUMMARY OF QUANTITIES**

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	352	L.F.
4096000000	904	SIGN ERECTION, TYPE D	1	EA.
4102000000	904	SIGN ERECTION, TYPE E	16	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E	1	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	21	EA.

**ROADWAY STANDARD DRAWINGS  
APPLICABLE TO THESE SIGNING PLANS  
904.10 904.50**


**INDEX**

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPE "D" SIGNS
3	TYPE "E" SIGNS
4-5	EXISTING/PROPOSED ROADWAY


PLAN PREPARED BY: N.C.D.O.T. SIGNING SECTION

R. W. KING, PE	SIGNING ENGINEER
A. I. ALQUDWAH, PE	SIGNING PROJECT ENGINEER
D. M. EATON	SIGNING PROJECT DESIGN ENGINEER
R. R. HENNEIN	SIGNING DESIGNER



TIP NO. B-4033	SHEET NO. SIGN-3
APPROVED: <i>[Signature]</i>	
DATE: 5/2/08	
SEAL	
	


403 QUANTITY REQ'D 4



36 X 48  
R2-1

TWO "U" POSTS PER SIGN

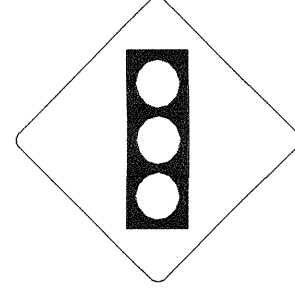
465 QUANTITY REQ'D 2



18 X 24  
W16-1

MOUNT BELOW SIGN 464  
IN 2 INSTALLATIONS

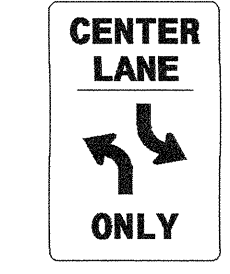
442 QUANTITY REQ'D 1



36 X 36  
W3-3

ONE "U" POST PER SIGN


466 QUANTITY REQ'D 4



24 X 36  
R3-9b

ONE "U" POST PER SIGN

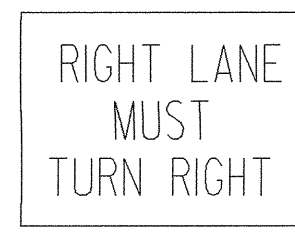
447 QUANTITY REQ'D 1



30 X 30  
W1-2L

ONE "U" POST PER SIGN

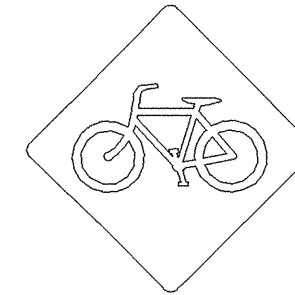
459 QUANTITY REQ'D 2



30 X 30  
R3-7R

ONE "U" POST PER SIGN

464 QUANTITY REQ'D 2

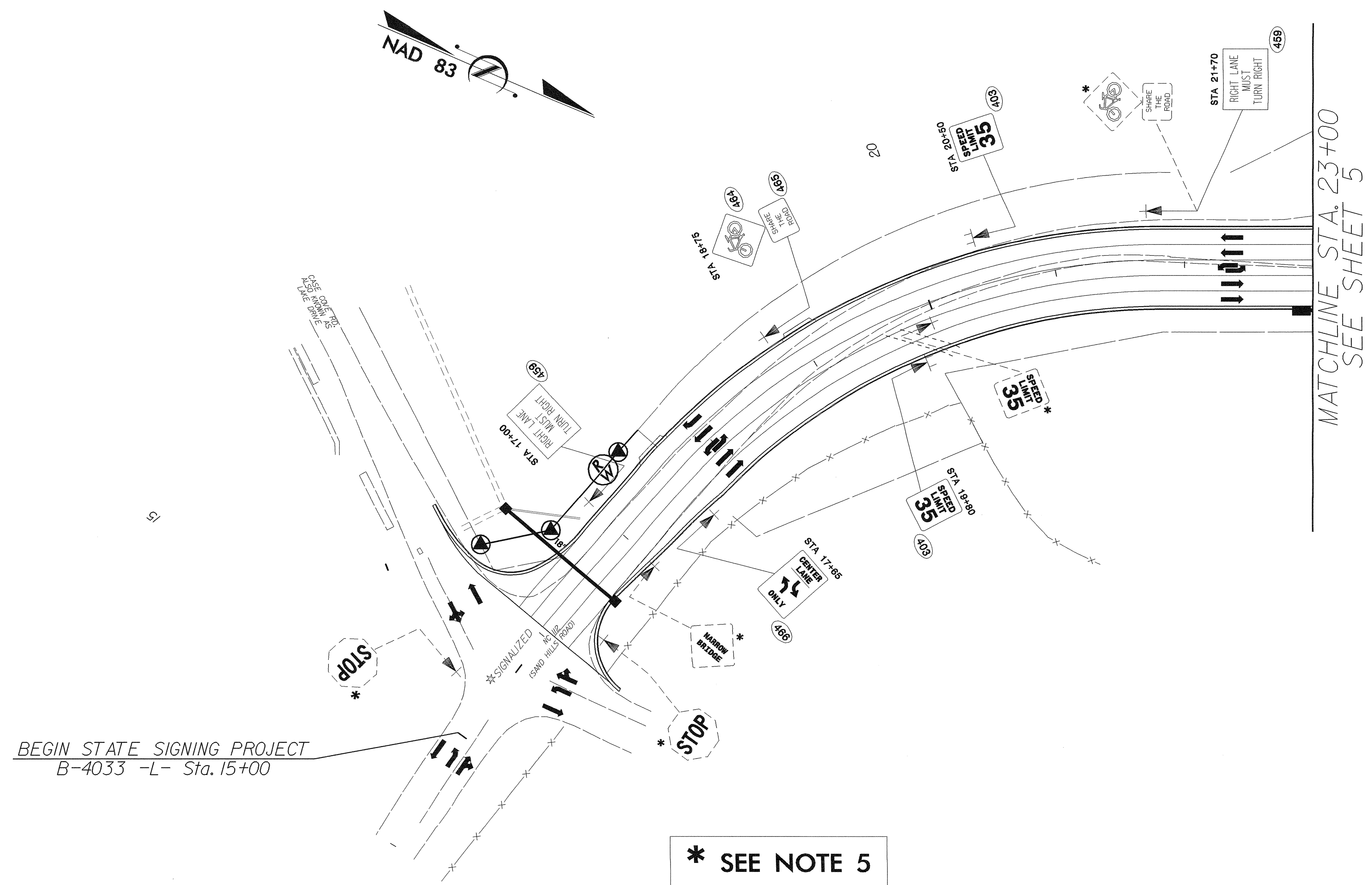


30 X 30  
W11-1

ONE "U" POST PER SIGN

**TYPE "E" SIGNS**

TIP NO. B-4033	SHEET NO. SIGN-4
APPROVED: <i>[Signature]</i>	
DATE: 5/2/08	
SEAL	



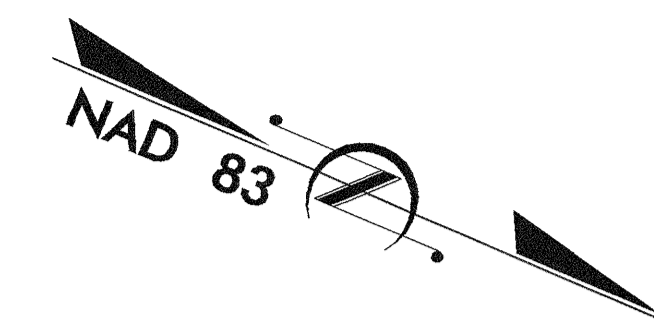
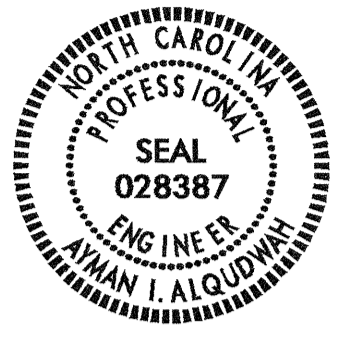
**WARNING SIGNS PLACEMENT CHART**

POSTED OR 85TH PERCENTILE SPEED MPH (KMH)	MUTCD DISTANCE FT (M)	SUGGESTED LOCATION FT (M)	SUGGESTED MAXIMUM FT (M)
30 (50)	450 (140)	475 (145)	575 (175)
35 (55)	550 (170)	575 (175)	675 (205)
40 (65)	650 (200)	675 (205)	775 (235)
45 (70)	750 (230)	775 (235)	875 (270)
50 (80)	850 (260)	875 (270)	975 (300)
55 (90)	950 (290)	975 (300)	1075 (330)
60 (95)	1100 (335)	1125 (345)	1225 (375)
65 (105)	1200 (365)	1225 (375)	1325 (405)
70 (115)	1250 (380)	1275 (390)	1375 (420)

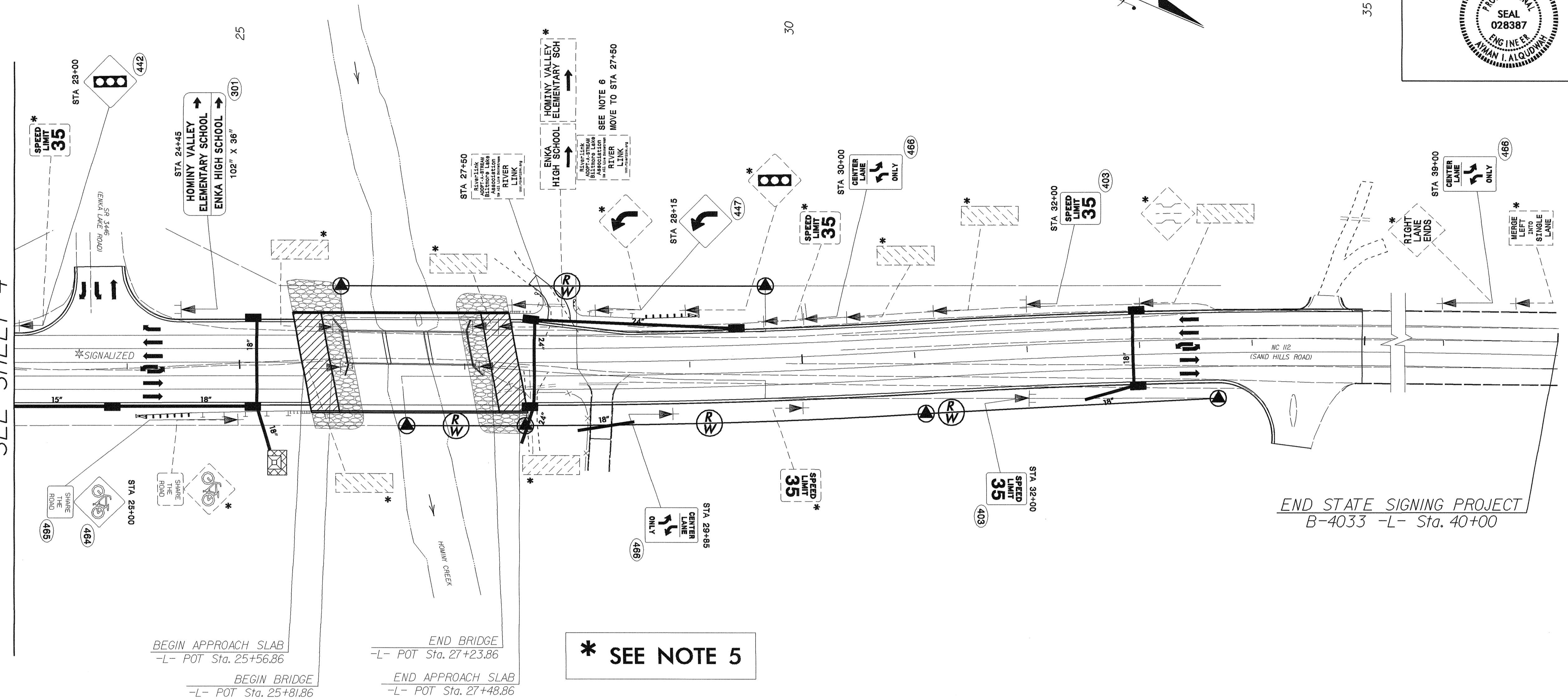
1. SEE ROADWAY STANDARD NO. 904.50 FOR MOUNTING OF TYPE 'D', 'E', AND 'F' SIGNS ON 'U' CHANNEL POSTS.
2. SEE CHART FOR PLACEMENT OF WARNING SIGNS. DISTANCES SHOWN IN MINIMUM ROAD COLUMNS ARE FOR LEVEL ROADWAYS. MAKE CORRECTIONS FOR GRADES. IF 48-INCH (1219 MM) SIGNS ARE USED, THE LEGIBILITY DISTANCE MAY BE INCREASED TO 200 FEET (61 M). THIS WOULD ALLOW REDUCING THE CHART SPECIFIED DISTANCE BY 75 FEET (23 M).
3. IF THE BRIDGE IS OVER A MAJOR STREAM OR RIVER, A SIGN FOR THE NAME OF THE STREAM OR RIVER SHOULD BE INSTALLED AT EACH APPROACH. THESE DESIGNS WILL BE COMPLETED BY THE SIGNING SECTION UPON REQUEST.
4. SIGNS FURNISHED BY STATE. BACKGROUND SHEETING SHALL BE GRADE C REFLECTIVE SHEETING.
5. DISPOSAL OF SIGN SYSTEM, U-CHANNEL.
6. SIGN ERECTION, RELOCATE SIGN TYPE D, E, OR F.
7. DISPOSAL OF SIGN SYSTEM, WOOD.
8. DISPOSAL OF SIGN, D, E, OR F.
9. DISPOSAL OF SUPPORT, U-CHANNEL.

STA 14+00 TO 23+00  
NC 112/SAND HILLS RD  
EXISTING/PROPOSED ROADWAY





MATCHLINE STA. 23+00  
SEE SHEET 4



END STATE SIGNING PROJECT  
B-4033 -L- Sta. 40+00

**\* SEE NOTE 5**

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8. DISPOSAL OF SIGN, D, E, OR F.
9. DISPOSAL OF SUPPORT, U-CHANNEL.

STA 23+00 TO 40+00  
NC 112/SAND HILLS RD  
EXISTING/PROPOSED ROADWAY