


T.I.P.: B-3528

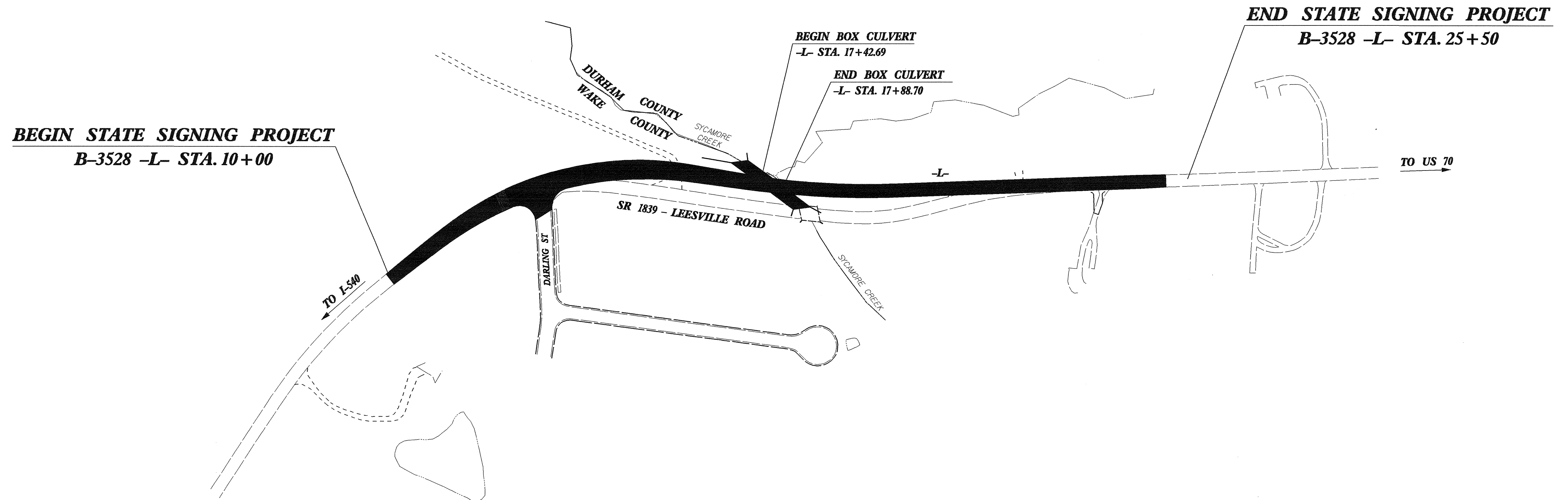
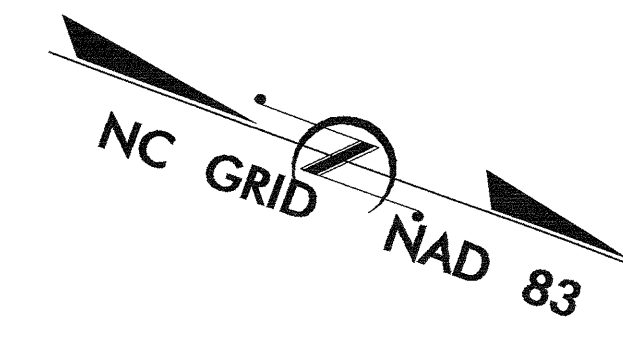
CONTRACT: C201783

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS
WAKE/DURHAM COUNTY**

LOCATION: BRIDGE NO. 429 OVER SYCAMORE CREEK ON SR 1839 AND APPROACHES

TIP NO. B-3528	SHEET NO. SIGN-1
APPROVED: <i>[Signature]</i>	
DATE: 12/10/07	
SEAL	
	



SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN	19.5	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN	22.5	S.F.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	127	L.F.
4096000000	904	SIGN ERECTION, TYPE D	2	EA.
4102000000	904	SIGN ERECTION, TYPE E	4	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	18	EA.

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

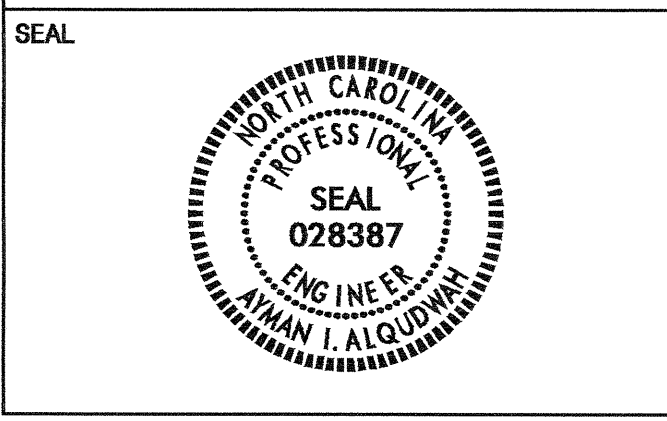
INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPE "D" SIGNS
3	TYPE "E" SIGNS
4	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

APPROVED: *[Signature]*
DATE: 12/18/07



SIGN NUMBER: 301 TYPE: D QUANTITY: 1 SIGN WIDTH: 84" HEIGHT: 18" TOTAL AREA: 10.5 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 MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: R. HENNEIN PROJECT ID: B-3528 CHECKED BY: DIV: 5 DATE: Nov 14, 2007
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DURHAM COUNTY

MOUNT ON TWO U-POSTS

Spacing Factor is unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	D	U	R	H	A	M	C	O	U	N	T	Y	Series/Size Text Length			
	7.9	5.4	5.5	5.1	5	6	4.7	6	5.3	5.6	5.5	5	4.1	5.2	7.9	D 2000 68.3

FILENAME: signdesign NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302 TYPE: D QUANTITY: 1 SIGN WIDTH: 72" HEIGHT: 18" TOTAL AREA: 9.0 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 MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: R. HENNEIN PROJECT ID: B-3528 CHECKED BY: DIV: 5 DATE: Nov 14, 2007
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WAKE COUNTY

MOUNT ON TWO U-POSTS

Spacing Factor is unless specified otherwise

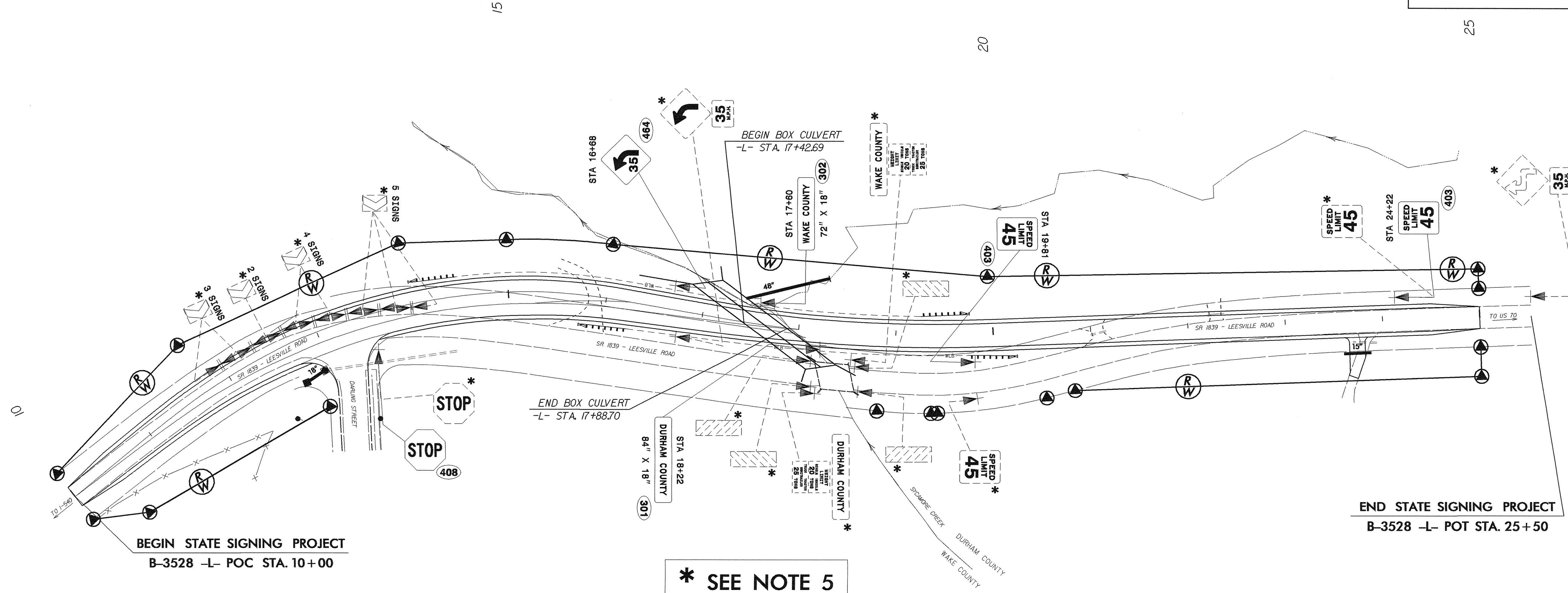
LETTER POSITIONS

Letter spacings are to start of next letter

	W	A	K	E	C	O	U	N	T	Y	Series/Size Text Length			
	7.4	5.7	6	5.2	3.7	6	5.3	5.6	5.5	5	4.1	5.2	7.4	D 2000 57.2

FILENAME: signdesign NORTH CAROLINA D.O.T. SIGN DETAIL

TYPE "D" SIGNS



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)

*** SEE NOTE 5**

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 CONTRACTOR. BACKGROUND SHEETING SHALL BE TYPE III 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 10+00 TO 25+50
SR 1839
EXISTING/PROPOSED ROADWAY

BEGIN STATE SIGNING PROJECT
B-3528 -L- POC STA. 10+00

END STATE SIGNING PROJECT
B-3528 -L- POT STA. 25+50