

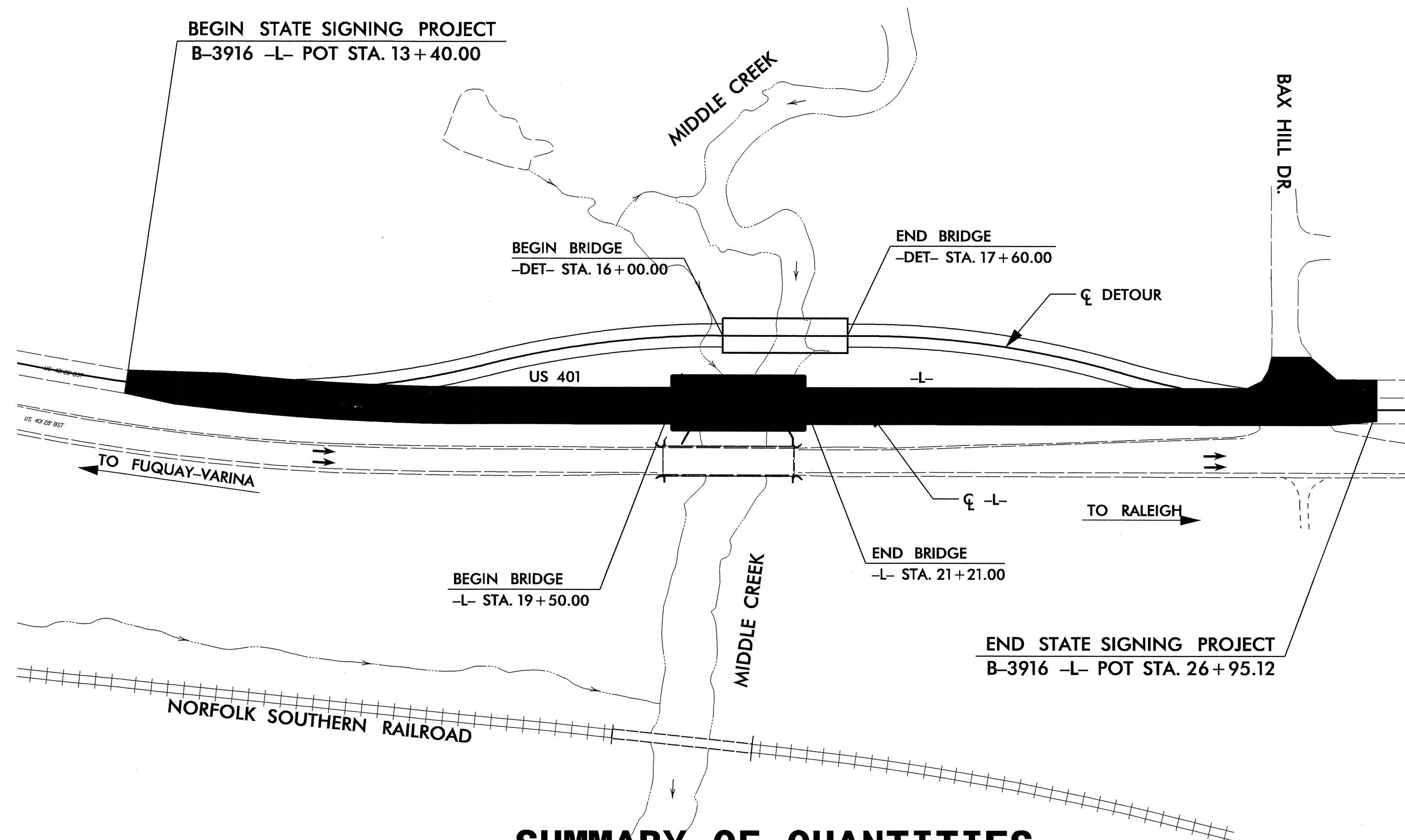
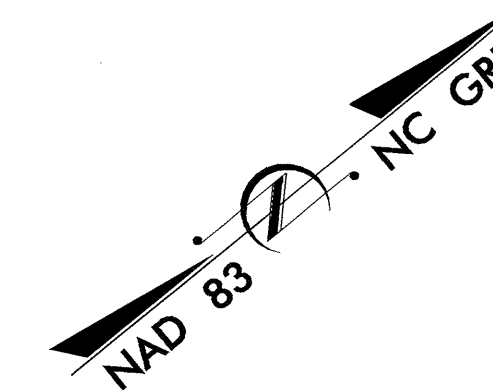
CONTRACT NO.: C201546 T.I.P.: B-3916

TIP NO. B-3916	SHEET NO. SIGN-1
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**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS
WAKE COUNTY**

LOCATION: BRIDGE NO. 63 AND APPROACHES ON US 401 OVER MIDDLE CREEK



SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN	13.30	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN	26	S.F.
4072000000	903	SUPPORTS, 3-LB STEEL U-CHANNEL	136	L.F.
4096000000	904	SIGN ERECTION, TYPE D	2	EA.
4102000000	904	SIGN ERECTION, TYPE E	4	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE D	1	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	6	EA.
4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD	1	EA.

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

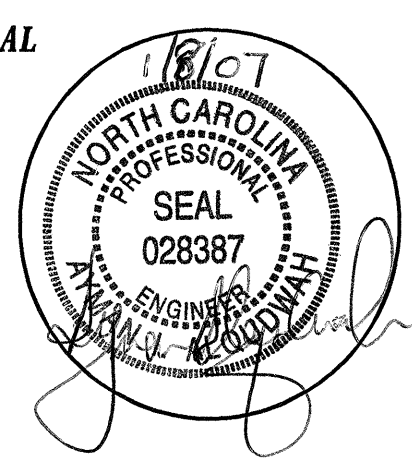
INDEX

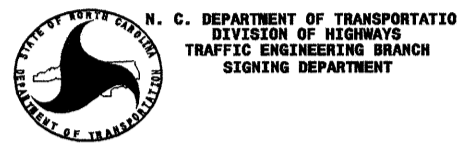
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SIGN DESIGNS
3	TYPE "E" SIGNS
4	EXISTING/PROPOSED ROADWAY

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

SEAL

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





N. C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
TRAFFIC ENGINEERING BRANCH
SIGNING DEPARTMENT

SIGN NUMBER: 302	BACKG COLOR: Green	DESIGN BY: R. HENNEIN	CHECKED BY:	STD #: N/A
TYPE: D	COPY COLOR: White	PROJECT ID: B-3916	DIV: 5	DATE: Nov 08, 2006
QUANTITY: 1				

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 42"
HEIGHT: 18"
TOTAL AREA: 5.3 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.5"
RADII: 3"

NO. Z BARS:
LENGTH:

MAT'L: 0.080" (2.0 mm) ALUMINUM

USE NOTES:
1. Legend and border shall be direct applied
Type III reflective sheeting.
2. Background shall be Type III reflective sheeting.

BORDER R=3" TH=0.5"

MOUNT ON TWO U-POSTS

LETTER POSITIONS

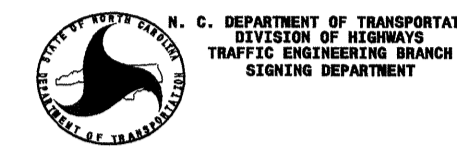
Letter spacings are to start of next letter

	F	U	Q	U	A	Y	V	A	R	I	N	A		Series/Size Text Length		
	3.3	2.5	2.9	3	2.7	2.8	2.6	4	2.7	3	2.8	1.3	2.7	2.6	3.3	C 2000 35.3
	F	I	R	E		D	I	S	T	R	I	C	T			C 2000 31.5
	5.2	2.6	1.4	2.9	2	4	3	1.2	2.6	2.6	2.9	1.4	2.7	2	5.2	
	D	I	A	L		9	1	1								C 2000 9.3
	16.3	1.5	0.6	1.6	1	2	1.4	0.8	0.4	16.3						

Spacing Factor is 1 unless specified otherwise

FILENAME: signdesign

NORTH CAROLINA D.O.T. SIGN DETAIL



N. C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
TRAFFIC ENGINEERING BRANCH
SIGNING DEPARTMENT

SIGN NUMBER: 301	BACKG COLOR: Green	DESIGN BY: R. HENNEIN	CHECKED BY:	STD #: N/A
TYPE: D	COPY COLOR: White	PROJECT ID: B-3916	DIV: 5	DATE: Nov 08, 2006
QUANTITY: 1				

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 72"
HEIGHT: 18"
TOTAL AREA: 8.0 Sq.Ft.

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

NO. Z BARS:
LENGTH:

MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES:
1. Legend and border shall be direct applied
Type III reflective sheeting.
2. Background shall be Type III reflective sheeting.

BORDER R=3" TH=0.75"

MOUNT ON TWO U-POSTS

LETTER POSITIONS

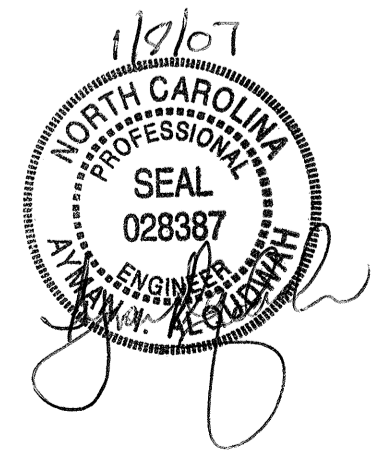
Letter spacings are to start of next letter

	M	I	D	D	L	E	C	R	E	E	K		Series/Size Text Length		
	7.1	6.1	2.4	5.4	5.4	4.6	3.7	6	5.4	5.1	4.7	4.7	4.2	7.1	D 2000 57.8

Spacing Factor is 1 unless specified otherwise

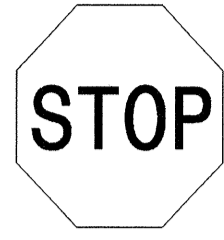
FILENAME: signdesign

NORTH CAROLINA D.O.T. SIGN DETAIL



SIGN DESIGNS

408 QUANTITY REQ'D _1_



30 X 30
R1-1

ONE "U" POST PER SIGN

411 QUANTITY REQ'D _1_



30 X 30
R5-1

ONE "U" POST PER SIGN

413 QUANTITY REQ'D _1_



54 X 18
R6-1 (R)

TWO "U" POSTS PER SIGN

414 QUANTITY REQ'D _1_



54 X 18
R6-1 (L)

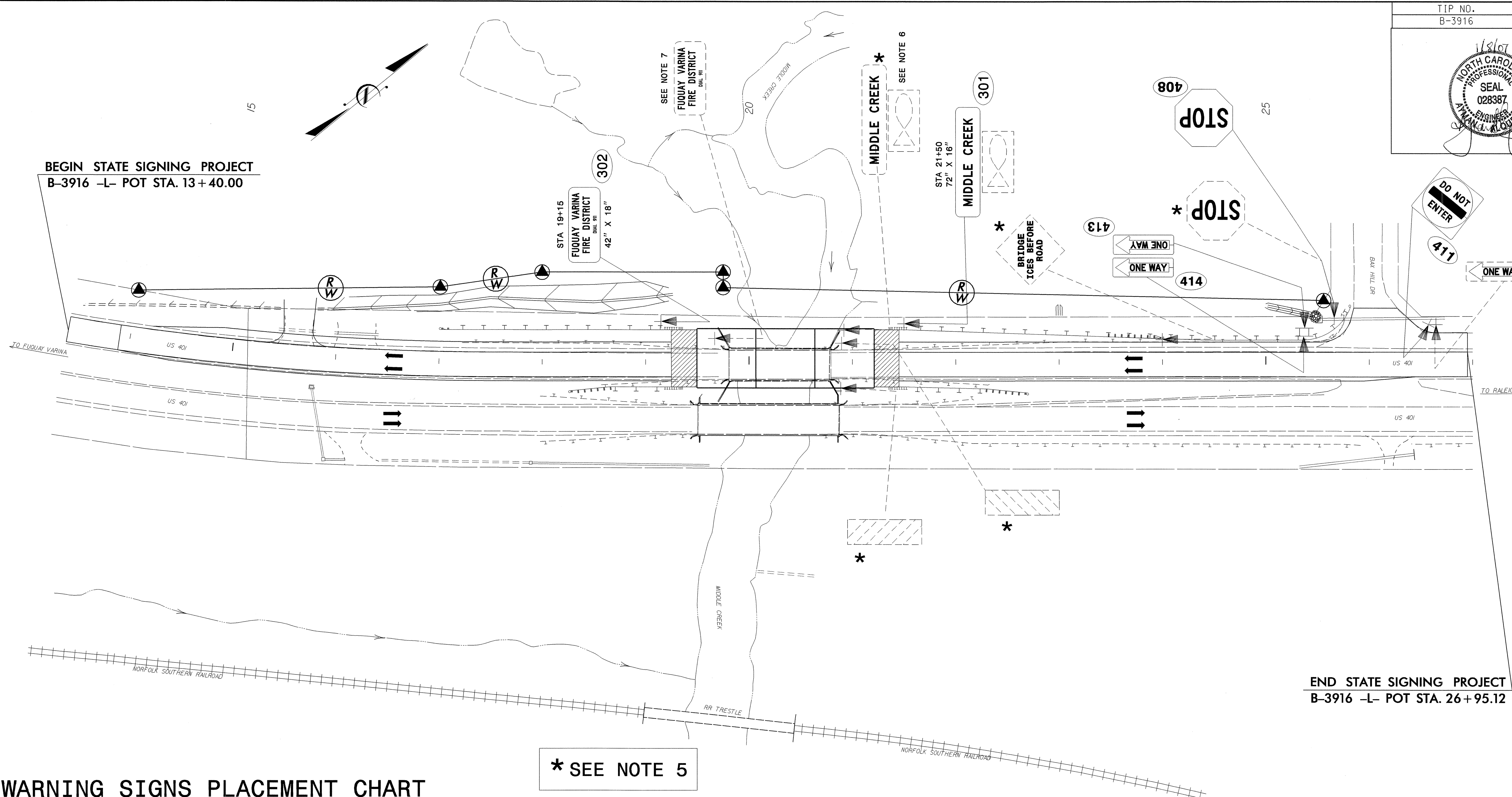
MOUNT BACK TO BACK WITH SIGN 413
IN 1 INSTALLATION

NOTE: THIS DRAWING IS DIMENSIONED
IN INCHES UNLESS OTHERWISE
DEPICTED WITHIN THE DRAWING.

SEAL



TYPE "E" SIGNS



BEGIN STATE SIGNING PROJECT
 B-3916 -L- POT STA. 13+40.00

END STATE SIGNING PROJECT
 B-3916 -L- POT STA. 26+95.12

* SEE NOTE 5

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 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 SUPPORT, WOOD.
9. DISPOSAL OF SUPPORT, U-CHANNEL.

EXISTING/PROPOSED ROADWAY
 US 401
 STA 13+40 TO 28+00