

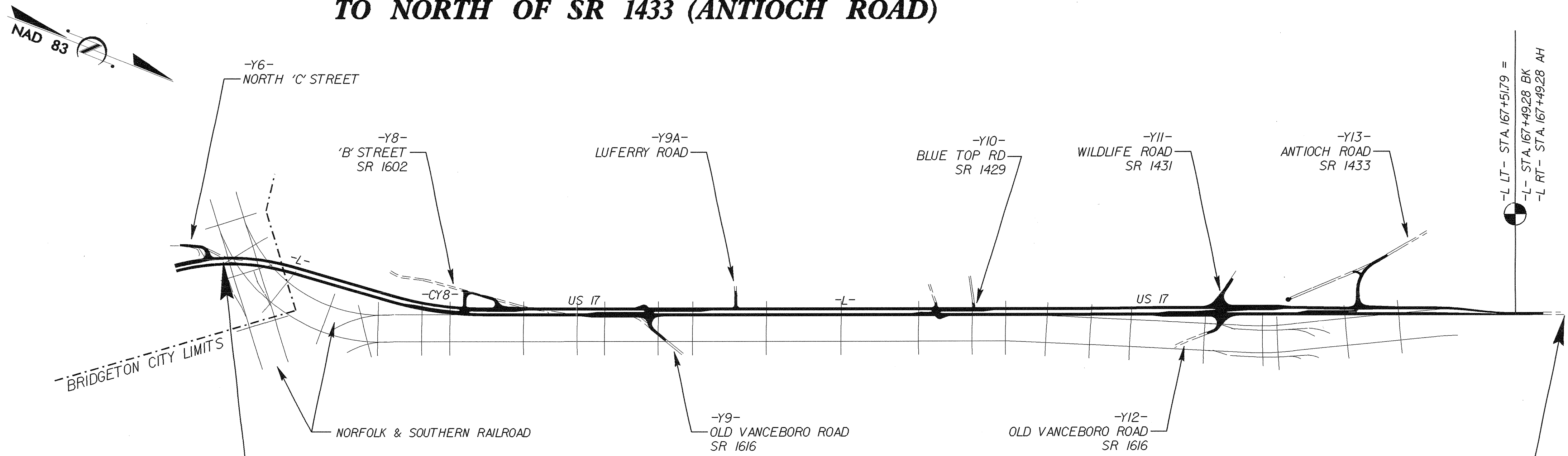
TIP NO. R-3403AB	SHEET NO. SIGN-1
APPROVED: <i>[Signature]</i>	
DATE: 4/1/08	
SEAL	



**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS  
CRAVEN COUNTY**

**LOCATION: US 17 NORTH OF "C" STREET & SOUTHERN RR  
TO NORTH OF SR 1433 (ANTIOCH ROAD)**



**BEGIN SIGNING PROJECT R-3403AB  
STA. 50+90 -L-**

**BEGIN SIGNING PROJECT R-3403AB  
STA. 181+00 -L-**

**INDEX**


SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SUMMARY OF QUANTITIES, NOTES and applicable ROADWAY STANDARD DRAWINGS
3A - 3E	SUPPORT INFORMATION
4A - 4F	SIGN DESIGN SHEETS, "E" AND "F" SHEET
5 - 11	SIGN ROADWAY SHEETS

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

RON KING, P.E. SIGNING ENGINEER  
 A. I. ALQUODWAH, P.E. SIGNING PROJECT ENGINEER  
 D. M. EATON SIGNING PROJECT DESIGN ENGINEER  
 E. E. WARD SIGNING DESIGN ENGINEER

**CONTRACT: C202017 T.I.P.: R-3403AB**

31-MAR-2008 15:26  
p:\tipp\proj\c202017\traffic\signing\cecd\signing layout plans\3403ab\3403ab\_sgn\_title.dgn  
ericward AT E221688

TIP NO. R-3403AB	SHEET NO. SIGN-2
APPROVED: <i>[Signature]</i>	
DATE: 4/1/08	
SEAL	
	

# SIGNS

## SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION .....	1	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM .....	457	LB.
4072000000	903	SUPPORTS, 3-LB STEEL U-CHANNEL (BRACING) .....	155	L.F.
4078000000	903	SUPPORTS, 2-LB STEEL U-CHANNEL .....	5	EA.
4082000000	903	SUPPORTS, WOOD .....	1,802	L.F.
4096000000	904	SIGN ERECTION, TYPE D .....	16	EA.
4102000000	904	SIGN ERECTION, TYPE E .....	113	EA.
4108000000	904	SIGN ERECTION, TYPE F .....	3	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED) .....	1	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E .....	4	EA.
4141000000	907	DISPOSAL OF SUPPORT, WOOD .....	4	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL .....	2	EA.
4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD .....	60	EA.

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

901.10    901.70    904.10  
901.50    903.20    904.50


## NOTES

Pay Item Notes:	
1	DISPOSAL OF SIGN SYSTEM, WOOD
2	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
3	RELOCATE SIGN, TYPE E
4	DISPOSAL OF SUPPORT, WOOD

Project Notes:	
A.	FLASHERS ARE TO BE MAINTAINED DURING CONSTRUCTION UNTIL ROADWAY IS REALIGNED. CONTRACTOR IS TO THEN CONTACT DIVISION TRAFFIC SERVICES AND SCHEDULE TO HAVE DIVISION FORCES TO REMOVE.
B.	SIGN (R4-1) TO BE PLACED AT THE BEGINING OF THE NO PASSING ZONE.
C.	SIGNS MAY BE FIELD ADJUSTED TO MEET UTILITY CONFLICT NEEDS, PER ENGINEER APPROVAL.

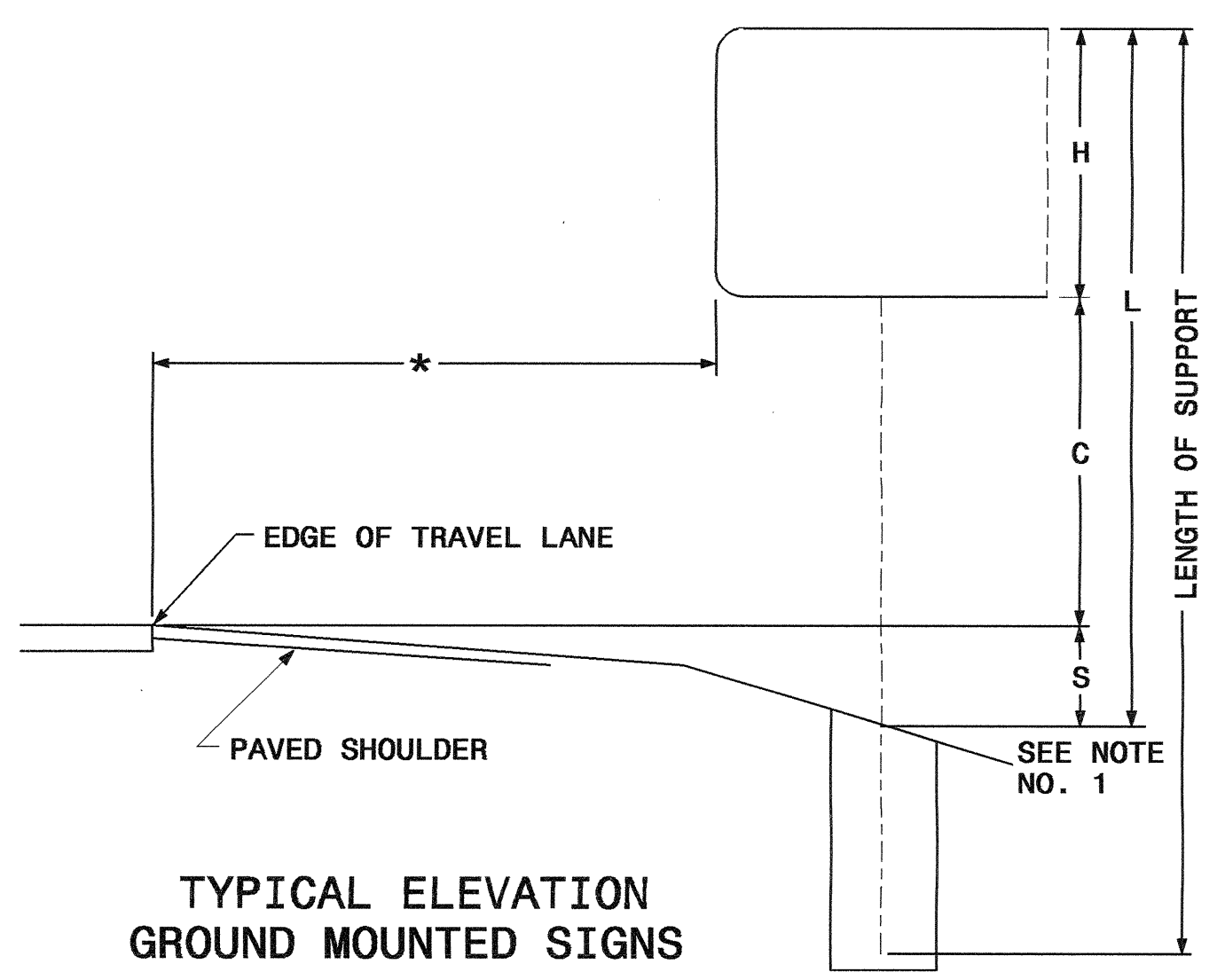
General Notes:	
. SIGNS FURNISHED BY STATE	
. ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.	
. IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE 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 GRADE C REFLECTIVE SHEETING.	
. SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.	

**SUMMARY OF QUANTITIES,  
NOTES and applicable ROADWAY  
STANDARD DRAWINGS**

TIP NO. R-3403AB	SHEET NO. SIGN-3A
APPROVED: <i>[Signature]</i>	
DATE: 4/1/08	
SEAL	
	

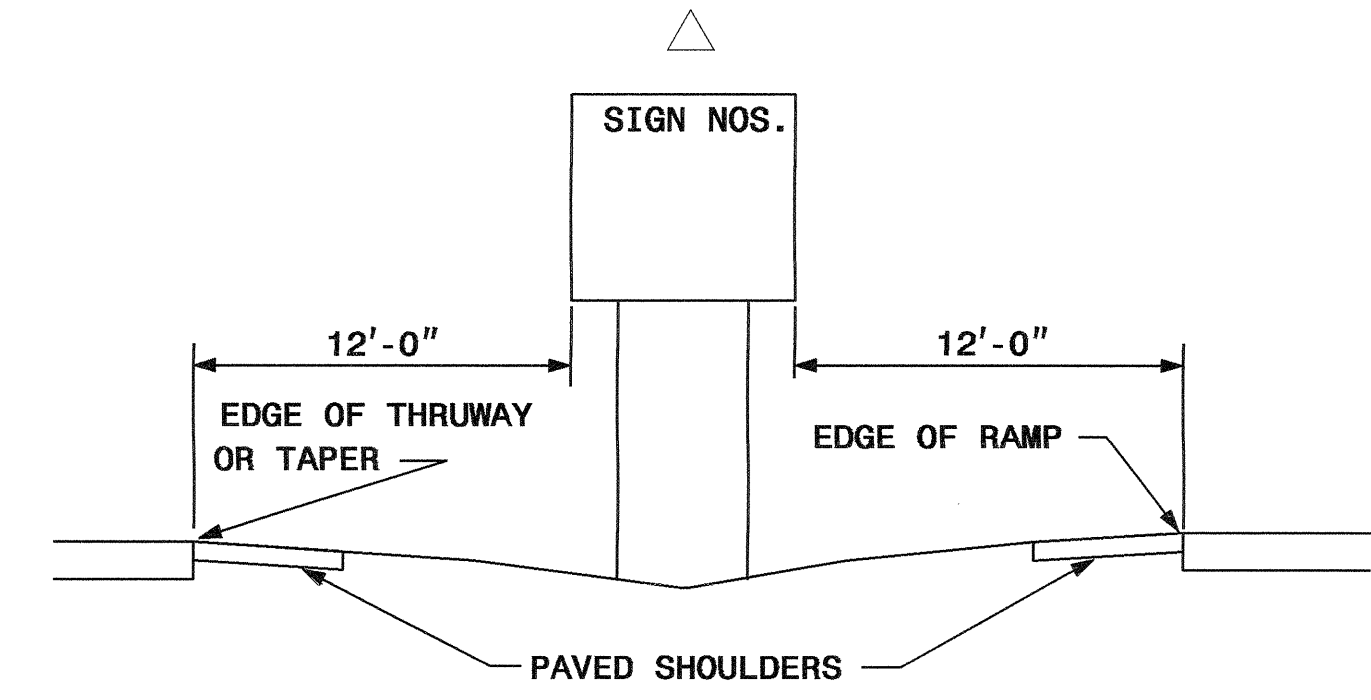
## TYPE "A" GROUND MOUNTED SIGN

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	HT C	EMBED-MENT	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH	S	L							TOTAL LENGTH																				
101	A	144	X	60	159+00 -L-	2	W6x9	BA	N/A	N/A	30.00	5.00	7.00	5	5.41	17.41	22.41	0.00	0.00	0.00	4.29	16.29	21.29	1.5	5.5	456.42	0.00	0.72																					
																							TOTAL	TOTAL	TOTAL																								
																							456.42	0.00	0.72																								
																							USE:	457	0	1																							



**NOTES**

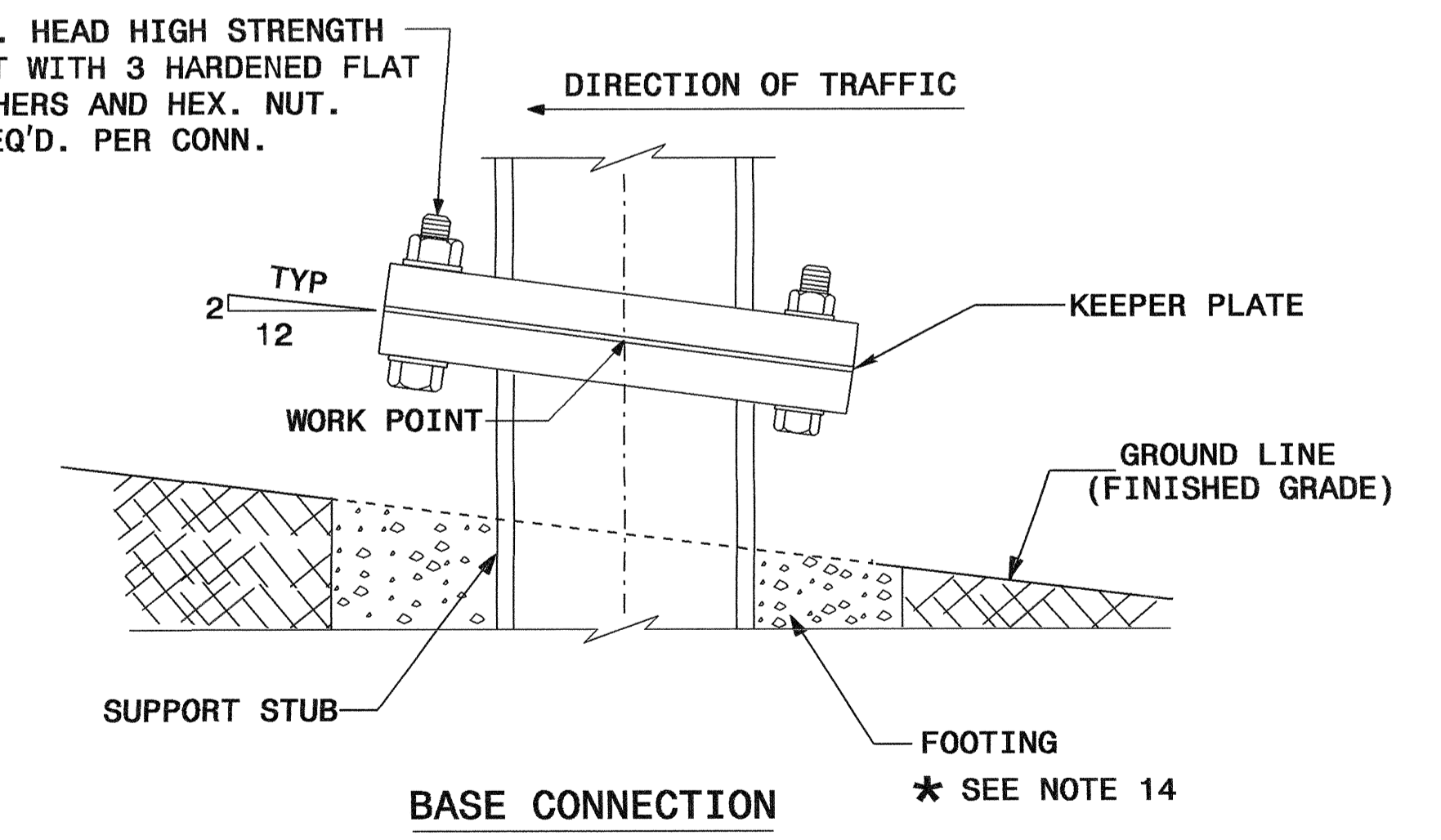
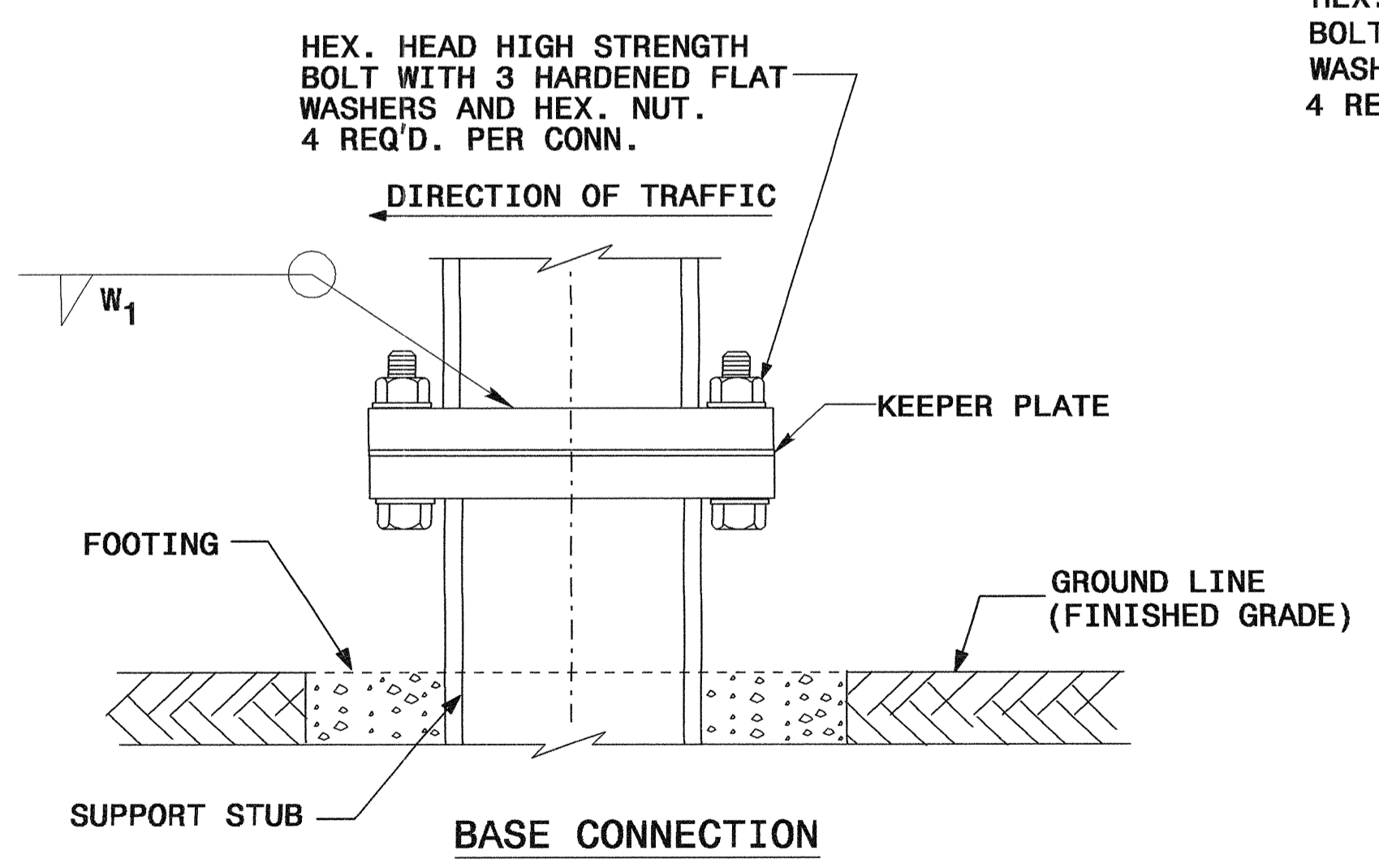
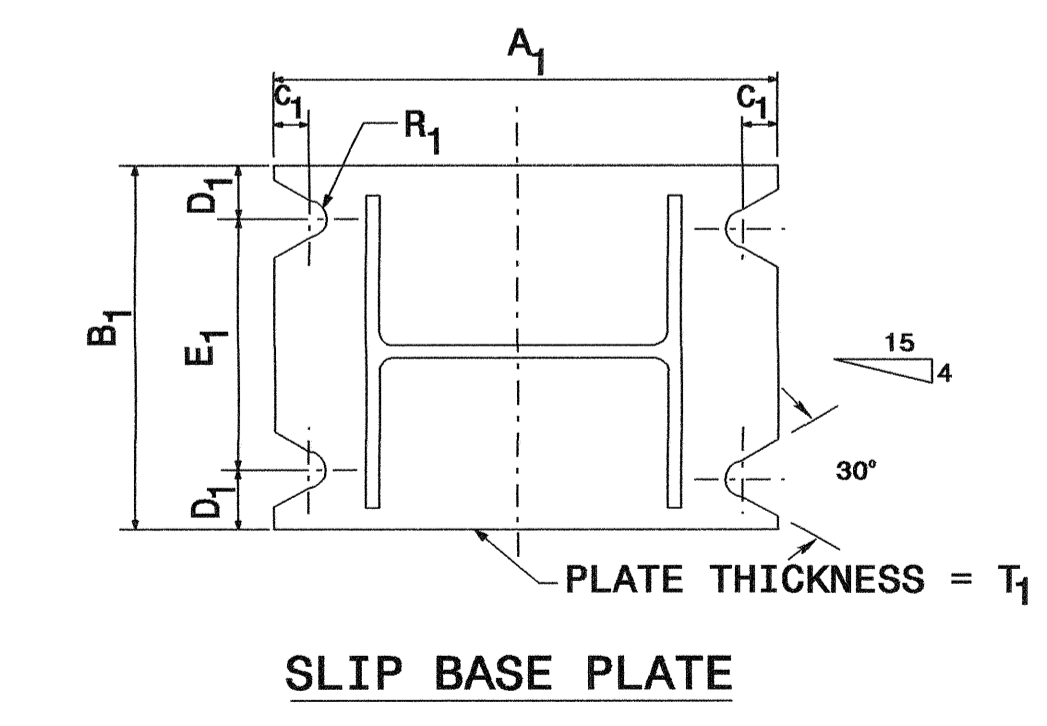
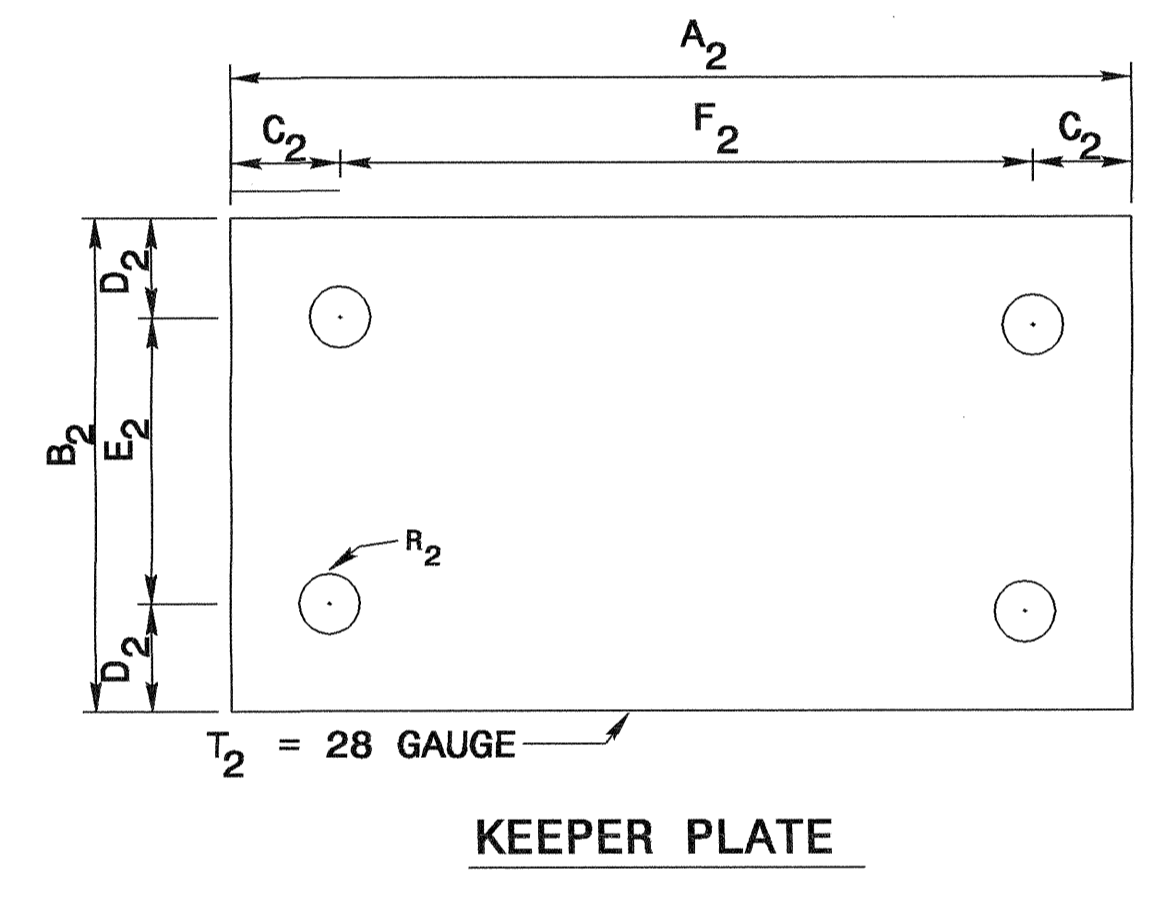
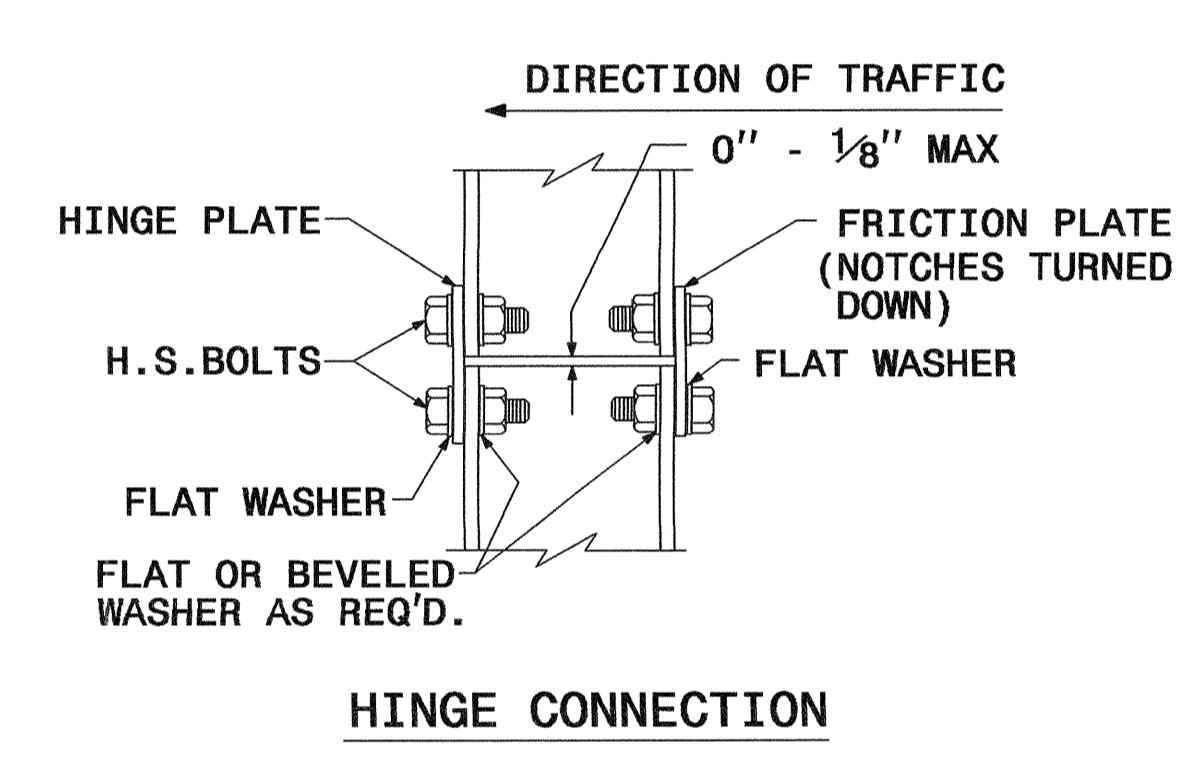
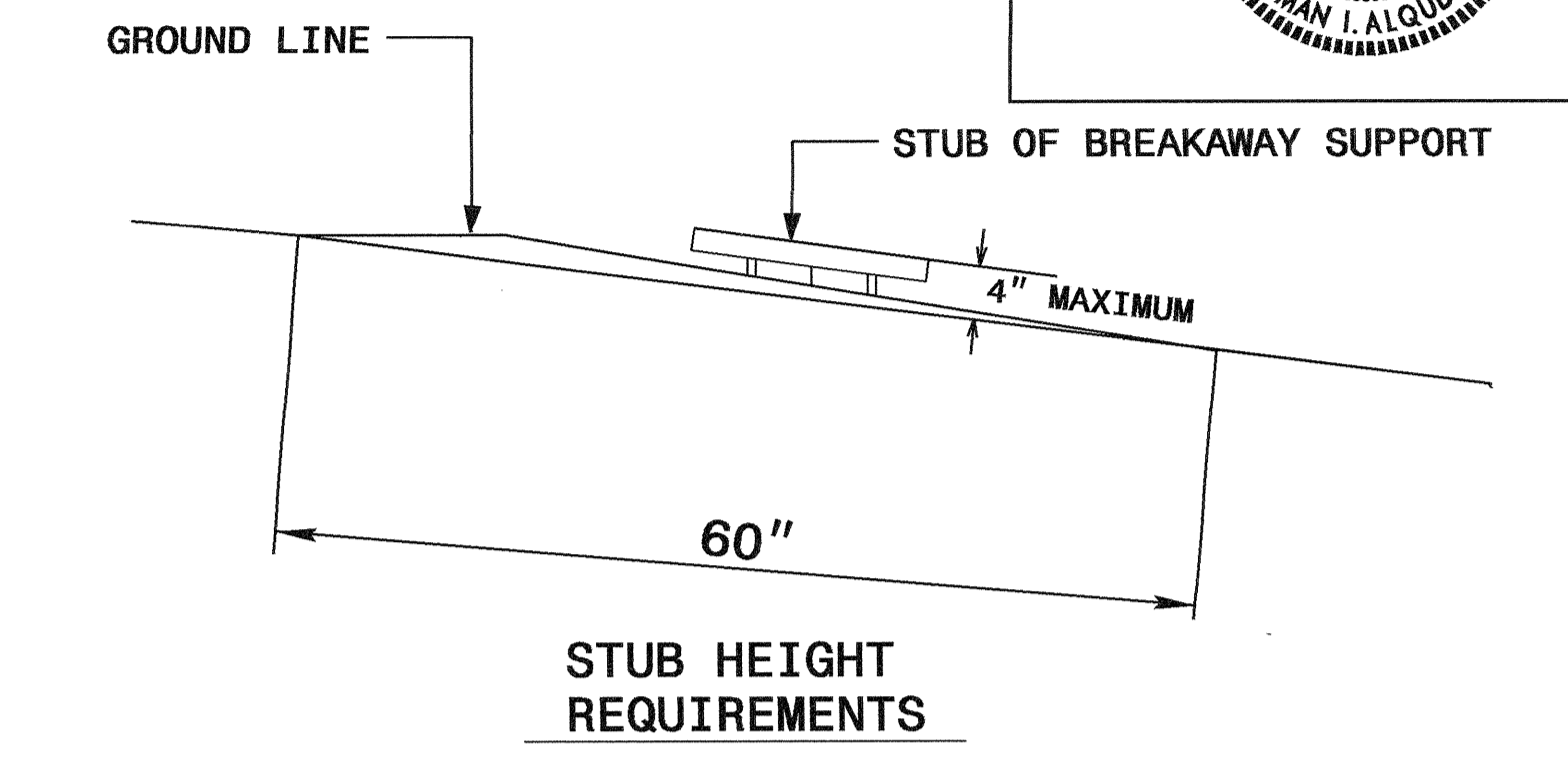
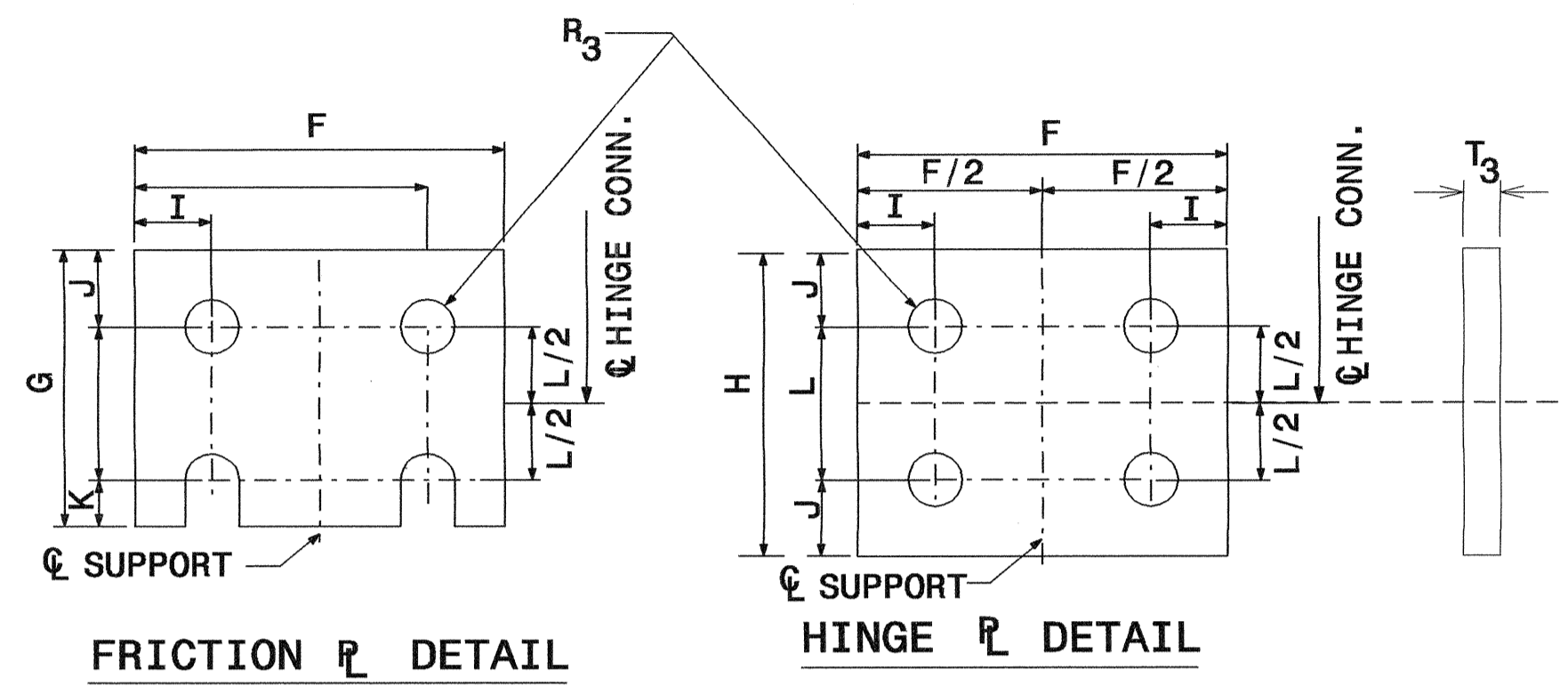
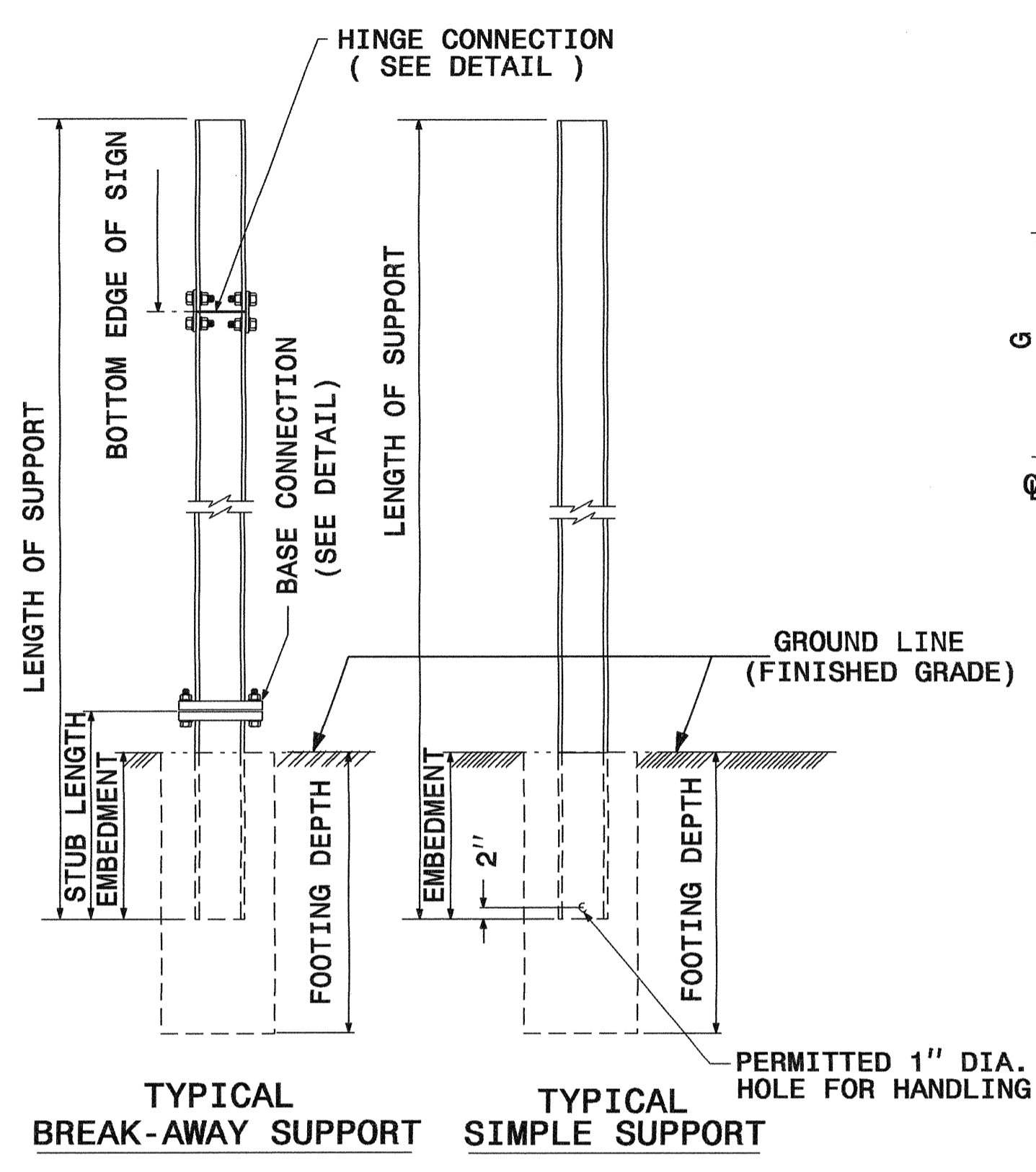
- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF PAVEMENT.
- FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (\*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (\*) ARTICLE 1072-1. (\*) = N.C.D.O.T. 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.



**TYPE "A"  
GROUND MOUNTED SIGNS**

01-APR-2008 10:32 p:\tippr\p\ec\tr\3403ab\traffic\signing\layout\plans\R-3403ab\vr-3403ab.sgn\_title.dgn ericward .pl TE221688






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

**GROUND MOUNTED SIGN SUPPORT**

3-MAR-2008 15:28  
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ericward AT TE221658



TIP NO. R-3403AB	SHEET NO. SIGN-3E
APPROVED: <i>[Signature]</i>	
DATE: 4/1/08	
SEAL	
	

**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**

31-MAR-2008 15:27  
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 ericward AT TE221558






TIP NO. R-3404AB	SHEET NO. SIGN-4B
APPROVED: <i>[Signature]</i>	
DATE: 4/1/08	
SEAL	



SIGN NUMBER: 301 TYPE: D QUANTITY: 1 SIGN WIDTH: 3'-6" HEIGHT: 1'-6" TOTAL AREA: 5.3 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.5" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: WARD PROJECT ID: R-3403AB CHECKED BY: EATON DIV: 2 DATE: Feb 05, 2008
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BORDER 3.3" 35.4" 3.3"  
R=3"  
TH=0.5"

USE NOTES: 1,2

- Legend and border shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields shall be on 0.032" (0.8mm) aluminum and demountable.
- Shields shall be Grade C sheeting.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

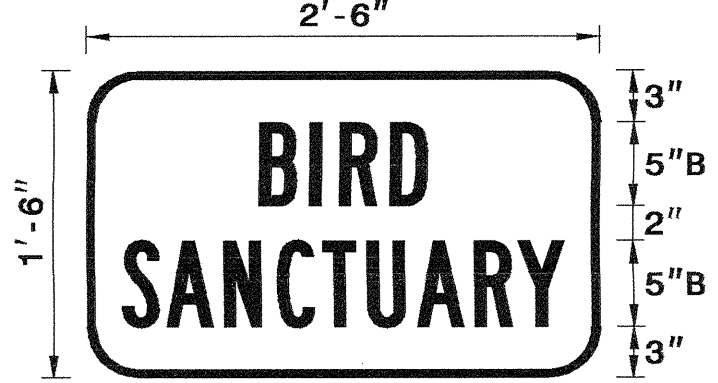
LETTER POSITIONS

Letter spacings are to start of next letter

	T	R	I	C	O	M	M	U	N	I	T	Y	Series/Size Text Length			
	3.3	2.6	2.9	0.6	4	3	3.2	3.5	3.1	3.1	1.1	2.3	2.6	3.3	C 2000 35.4	
	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 2000 3.2
	9	1	1													
	19.4	1.8	0.9	0.5	19.4											

FILENAME: r3403a\_sgn\_guidesign NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302B TYPE: D QUANTITY: 1 SIGN WIDTH: 2'-6" HEIGHT: 1'-6" TOTAL AREA: 3.8 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.5" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT MAT'L: 0.063" (1.6 mm) ALUMINUM	DESIGN BY: WARD PROJECT ID: R-3403AB CHECKED BY: EATON DIV: 2 DATE: Feb 05, 2008
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BORDER 2.05" 25.9" 2.05"  
R=3"  
TH=0.5"

USE NOTES: 1,2

- Legend and border shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields shall be on 0.032" (0.8mm) aluminum and demountable.
- Shields shall be Grade C sheeting.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

MOUNT BELOW SIGN 302A

Spacing Factor is 1 unless specified otherwise

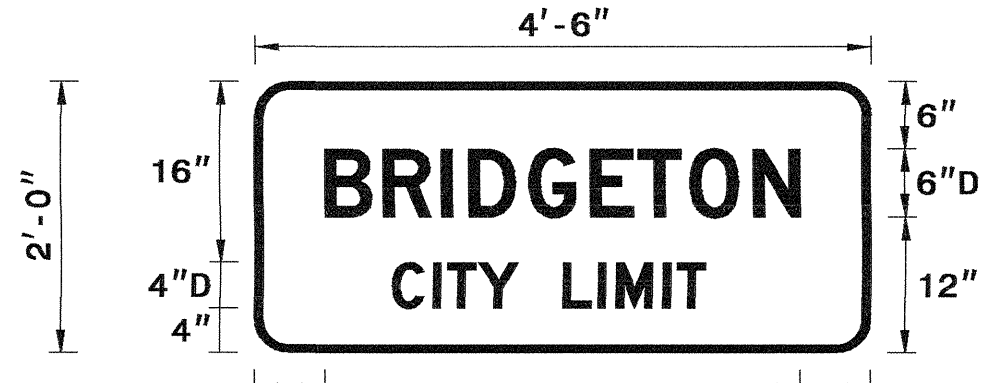
LETTER POSITIONS

Letter spacings are to start of next letter

	B	I	R	D	Series/Size Text Length							
	10.1	3	1.8	2.9	2.2	10.1	B 2000 9.8					
	S	A	N	C	T	U	A	R	Y	B 2000 25.9		
	2.1	2.6	3.4	3.1	2.7	2.6	2.9	3.4	2.6	2.7	2.1	

FILENAME: r3403a\_sgn\_guidesign NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302A TYPE: D QUANTITY: 1 SIGN WIDTH: 4'-6" HEIGHT: 2'-0" 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: WARD PROJECT ID: R-3403AB CHECKED BY: EATON DIV: 2DIV DATE: Feb 05, 2008
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BORDER 6.2" 41.6" 6.2"  
R=3"  
TH=0.75"

USE NOTES: 1,2

- Legend and border shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields shall be on 0.032" (0.8mm) aluminum and demountable.
- Shields shall be Grade C sheeting.
- Bottom panel shall be yellow Grade C 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


	B	R	I	D	G	E	T	O	N	Series/Size Text Length		
	6.2	5.1	5.1	2.4	5.3	5.4	4.2	4.5	5.6	4.1	6.2	D 2000 41.6
	C	I	T	Y	L	I	M	I	T	D 2000 27.5		
	12	3.6	1.2	2.7	3.4	4	3.1	1.6	4.1	1.2	2.5	14.5

FILENAME: r3403a\_sgn\_guidesign NORTH CAROLINA D.O.T. SIGN DETAIL

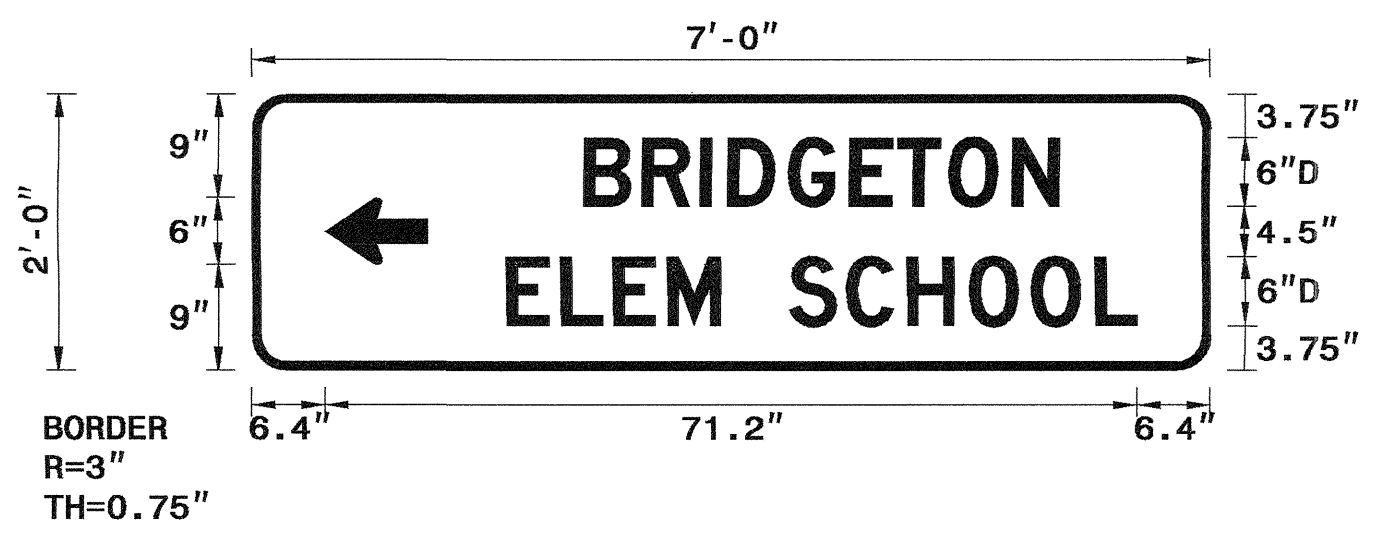
**TYPE D SIGN  
SIGN DESIGNS**

01-APR-2008 07:55 p:\tpp\proj\ec\tr\3403a\traffic\signing\cadd\signing layout plans\3403a\_sgn\_guidesign.dgn

TIP NO. R-3404AB	SHEET NO. SIGN-4C
APPROVED: <i>[Signature]</i>	
DATE: 4/1/08	
SEAL	



SIGN NUMBER: 303 TYPE: D QUANTITY: 1 SIGN WIDTH: 7'-0" HEIGHT: 2'-0" TOTAL AREA: 14.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3"	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT ARUP 6.4 9 6 9	DESIGN BY: WARD PROJECT ID: R-3403AB CHECKED BY: EATON DIV: 2 DATE: Feb 05, 2008
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USE NOTES: 1,2

- Legend and border shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields shall be on 0.032" (0.8mm) aluminum and demountable.
- Shields shall be Grade C sheeting.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

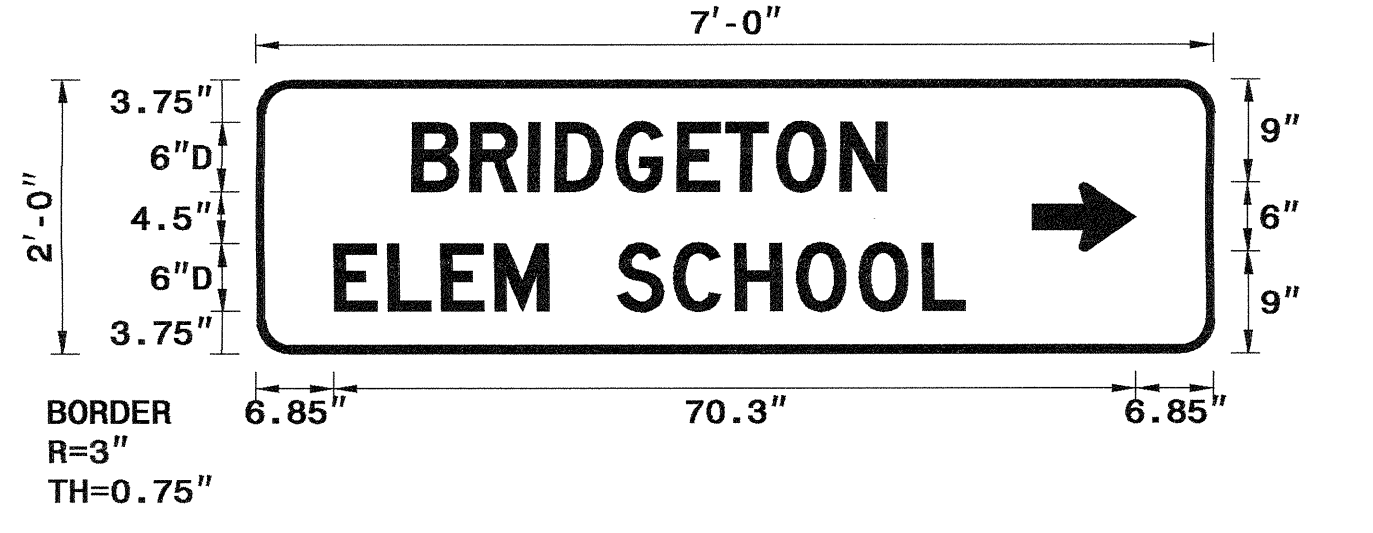
LETTER POSITIONS

Letter spacings are to start of next letter

	B	R	I	D	G	E	T	O	N		Series/Size Text Length		
	29.1	5.1	5.1	2.4	5.3	5.4	4.2	4.5	5.6	4.1	13.3	D 2000 41.6	
	E	L	E	M	S	C	H	O	O	L		D 2000 55.3	
	22.3	4.7	4.6	4.7	4.7	6	5	5.4	5.4	5.5	5.6	3.7	6.4

FILENAME: r3403a\_sgn\_guidsign NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 305 TYPE: D QUANTITY: 1 SIGN WIDTH: 7'-0" HEIGHT: 2'-0" TOTAL AREA: 14.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3"	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT ARUP 68.2 9 6 9	DESIGN BY: WARD PROJECT ID: R-3403AB CHECKED BY: EATON DIV: 2 DATE: Feb 05, 2008
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USE NOTES: 1,2

- Legend and border shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields shall be on 0.032" (0.8mm) aluminum and demountable.
- Shields shall be Grade C sheeting.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

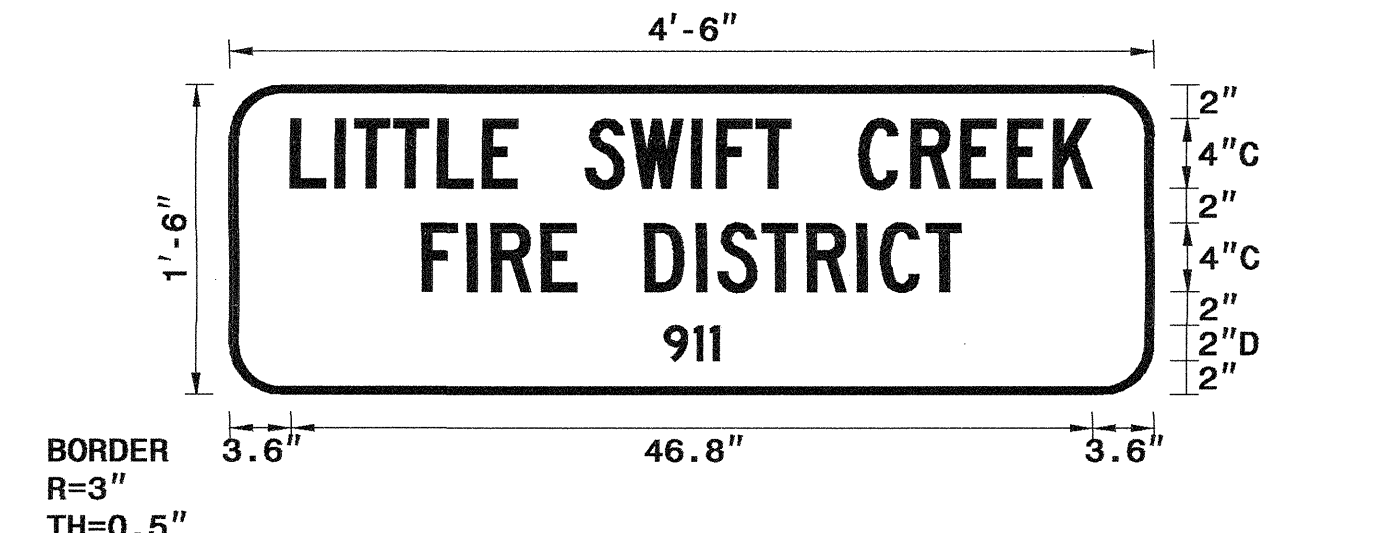
LETTER POSITIONS

Letter spacings are to start of next letter

	B	R	I	D	G	E	T	O	N		Series/Size Text Length		
	13.7	5.1	5.1	2.4	5.3	5.4	4.2	4.5	5.6	4.1	28.7	D 2000 41.6	
	E	L	E	M	S	C	H	O	O	L		D 2000 55.3	
	6.8	4.7	4.6	4.7	4.7	6	5	5.4	5.4	5.5	5.6	3.7	21.8

FILENAME: r3403a\_sgn\_guidsign NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 304 TYPE: D QUANTITY: 1 SIGN WIDTH: 4'-6" HEIGHT: 1'-6" TOTAL AREA: 6.8 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.5" RADII: 3"	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT ARUP 6.4 9 6 9	DESIGN BY: WARD PROJECT ID: R-3403AB CHECKED BY: EATON DIV: 2 DATE: Feb 05, 2008
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USE NOTES: 1.,2

- Legend and border shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields shall be on 0.032" (0.8mm) aluminum and demountable.
- Shields shall be Grade C sheeting.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter

	L	I	T	T	L	E	S	W	I	F	T	C	R	E	E	K		Series/Size Text Length				
	3.6	2.6	1.1	2.3	2.6	2.6	2	4	2.6	3.6	1.4	2.3	2	4	3	2.9	2.7	2.7	2.2	3.6	C 2000 46.8	
	F	I	R	E	D	I	S	T	R	I	C	T										C 2000 31.5
	11.2	2.6	1.4	2.9	2	4	3	1.2	2.6	2.6	2.9	1.4	2.7	2	11.2							
	9	1	1																			D 2000 3.2
	25.4	1.8	0.9	0.5	25.4																	

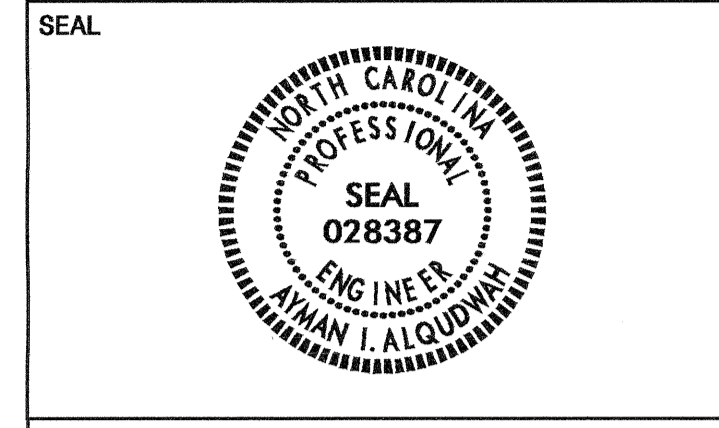
FILENAME: r3403a\_sgn\_guidsign NORTH CAROLINA D.O.T. SIGN DETAIL

**TYPE D SIGN  
SIGN DESIGNS**

01-APR-2008 07:50 p:\tipp\c\ec\p\p\3403a\traffic\signing\cadd\signing layout\plana\3403a\_sgn\_guidsign.dgn ericward AT LE221658



APPROVED: *[Signature]*  
DATE: 4/1/08



401 QUANTITY REQ'D 3  
SPEED LIMIT 55  
36 X 48 R2-1  
TWO WOOD POSTS PER SIGN

413 QUANTITY REQ'D 6  
ONE WAY  
54 X 18 R6-1 (R)  
TWO WOOD POSTS PER SIGN

428 QUANTITY REQ'D 2  
LEFT LANE ENDS  
48 X 48 W9-1L  
TWO WOOD POSTS PER SIGN

445 QUANTITY REQ'D 1  
36 X 36 W2-2  
ONE WOOD POST PER SIGN

462 QUANTITY REQ'D 3  
36 X 36 W12-1  
ONE WOOD POST PER SIGN

476 QUANTITY REQ'D 1  
36 X 36 W10-2L  
ONE WOOD POST PER SIGN

402 QUANTITY REQ'D 6  
SPEED LIMIT 45  
30 X 36 R2-1  
ONE WOOD POST PER SIGN

414 QUANTITY REQ'D 7  
ONE WAY  
54 X 18 R6-1 (L)  
TWO WOOD POSTS PER SIGN

429 QUANTITY REQ'D 1  
DO NOT PASS  
36 X 48 R4-1  
TWO WOOD POSTS PER SIGN

446 QUANTITY REQ'D 2  
36 X 36 W2-2  
ONE WOOD POST PER SIGN

472 QUANTITY REQ'D 3  
30 X 30 W10-1  
ONE WOOD POST PER SIGN

480 QUANTITY REQ'D 1  
30 X 30 RM-020  
WHITE ON BROWN  
ONE WOOD POST PER SIGN

484 QUANTITY REQ'D 1  
24 X 24 SEE SIGN DESIGN  
MOUNT BELOW SIGN 462 IN 1 INSTALLATION

408 QUANTITY REQ'D 11  
STOP  
30 X 30 R1-1  
ONE WOOD POST PER SIGN

415 QUANTITY REQ'D 1  
36 X 48 R4-7  
TWO WOOD POSTS PER SIGN

430 QUANTITY REQ'D 2  
48 X 48 W4-2(L)  
TWO WOOD POSTS PER SIGN

448 QUANTITY REQ'D 1  
36 X 36 W6-3  
ONE WOOD POST PER SIGN

473 QUANTITY REQ'D 1  
36 X 36 W10-3L  
ONE WOOD POST PER SIGN

482 QUANTITY REQ'D 2  
24 X 24 R3-4  
MOUNT BELOW SIGN 462 IN 2 INSTALLATION

485 QUANTITY REQ'D 1  
21 X 15 M6-1  
WHITE ON BROWN  
MOUNT BELOW SIGN 480 IN 1 INSTALLATION

410 QUANTITY REQ'D 20  
WRONG WAY  
36 X 24 R5-1a  
ONE WOOD POST PER SIGN

416 QUANTITY REQ'D 7  
24 X 30 R4-7  
ONE WOOD POST PER SIGN

441 QUANTITY REQ'D 1  
36 X 36 W6-1  
ONE WOOD POST PER SIGN

451 QUANTITY REQ'D 3  
30 X 36 R3-5R  
ONE "U" POST PER SIGN

474 QUANTITY REQ'D 1  
36 X 36 W10-3R  
ONE WOOD POST PER SIGN

483 QUANTITY REQ'D 2  
24 X 18 SEE SIGN DESIGN  
MOUNT BELOW SIGN 482 IN 2 INSTALLATIONS

411 QUANTITY REQ'D 11  
DO NOT ENTER  
30 X 30 R5-1  
ONE WOOD POST PER SIGN

417 QUANTITY REQ'D 8  
18 X 18 W23-15  
MOUNT BELOW SIGN 415 & 416 IN 8 INSTALLATIONS

442 QUANTITY REQ'D 1  
36 X 36 W6-2  
ONE WOOD POST PER SIGN

457 QUANTITY REQ'D 2  
36 X 36 W3-5  
ONE WOOD POST PER SIGN

475 QUANTITY REQ'D 1  
36 X 36 W10-2R  
ONE WOOD POST PER SIGN

TYPE "E" SIGNS

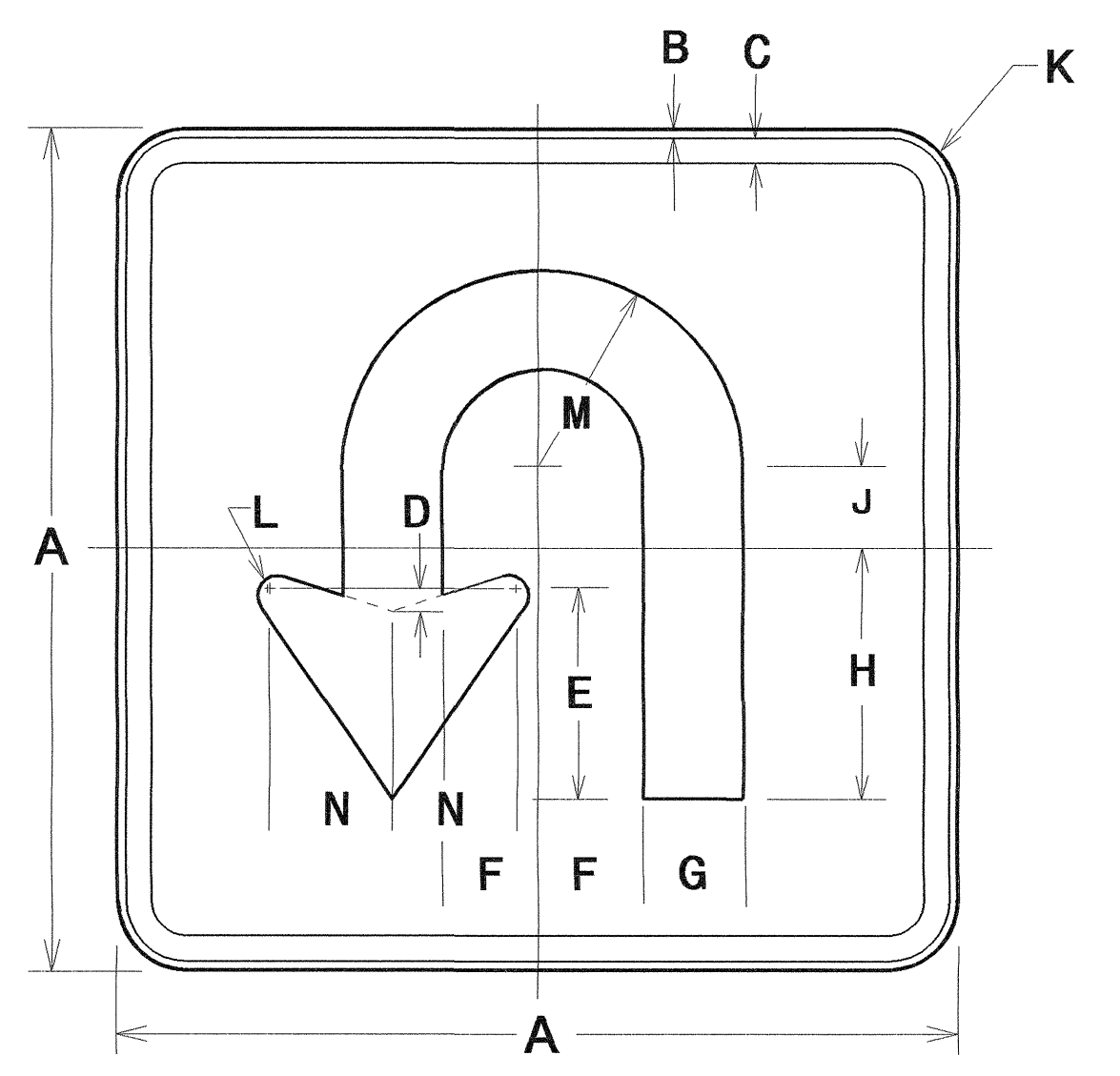
3-MAR-2008 15:26 p:\tpp\p\j\3403ab\traffic\signing\code\signing layout plans\vr-3403ab\vr-3403ab\_sgn-tile.dgn

TIP NO. R-3404AB SHEET NO. SIGN-4F  
 APPROVED: *[Signature]*  
 DATE: 4/17/08  
 SEAL

501  
 SOUTH 1-24 X 12  
 17 1-24 X 24

ONE WOOD POST PER SIGN

SIGN NUMBER: 484  
 TYPE: E  
 QUANTITY: 1



SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	J	K	L	M	N
SPECIAL	24	1/2	3/4	1/2	6-3/8	3-1/8	3-1/8	7-1/2	2 13/16	1-7/8	5/8	6-1/4	3-5/8

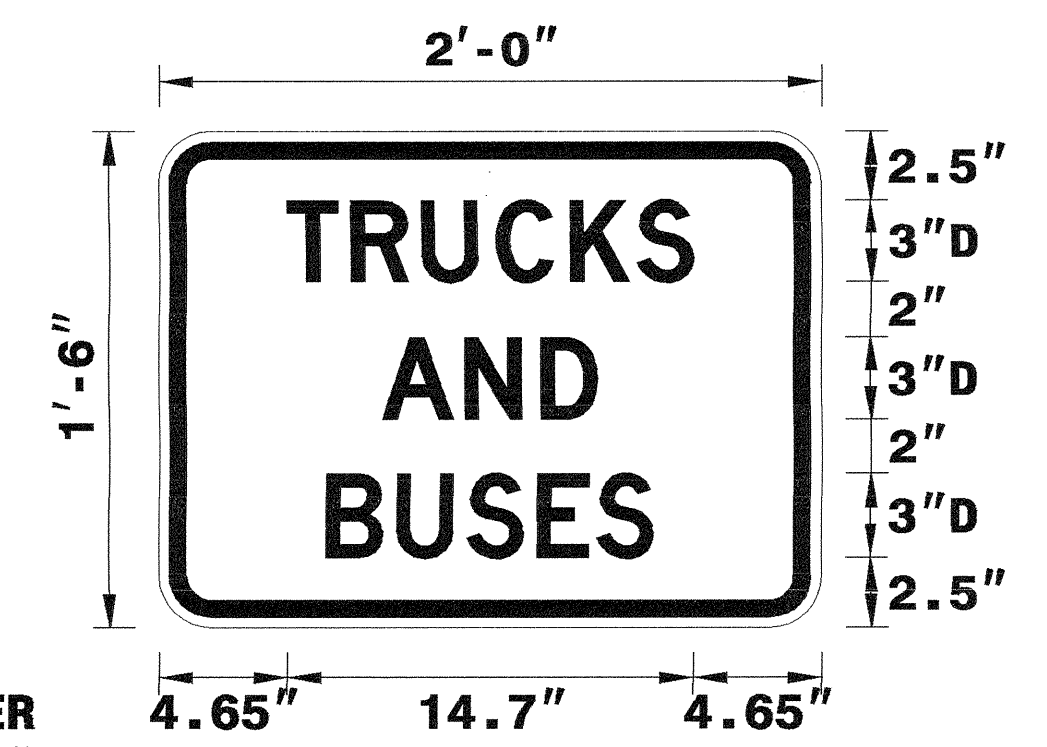
COLORS  
 ARROW AND BORDER - BLACK  
 BACKGROUND - WHITE

502 503  
 NORTH 1-24 X 12  
 17 1-24 X 24

ONE WOOD POST PER SIGN

SIGN NUMBER: 483  
 TYPE: E  
 QUANTITY: 1  
 SIGN WIDTH: 2'-0"  
 HEIGHT: 1'-6"  
 TOTAL AREA: 3.0 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0.38"  
 WIDTH: 0.63"  
 RADII: 1.5"  
 NO. Z BARS:  
 LENGTH:  
 BACKG COLOR: White  
 COPY COLOR: Black  
 SYMBOL X Y WID HT  
 MAT'L: 0.063" (1.6 mm) ALUMINUM

DESIGN BY: WARD CHECKED BY: EATON DATE: Feb 14, 2008  
 PROJECT ID: R-3403AB DIV: 2



BORDER  
 R=1.5"  
 TH=0.63"  
 IN=0.38"

Spacing Factor is 1 unless specified otherwise

- USE NOTES:
- Legend and border shall be direct applied Grade C sheeting.
  - Background shall be Grade C reflective sheeting.
  - Shields shall be on 0.032" (0.8mm) aluminum and demountable.
  - Shields shall be Grade A, B, or C sheeting.
  - Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter

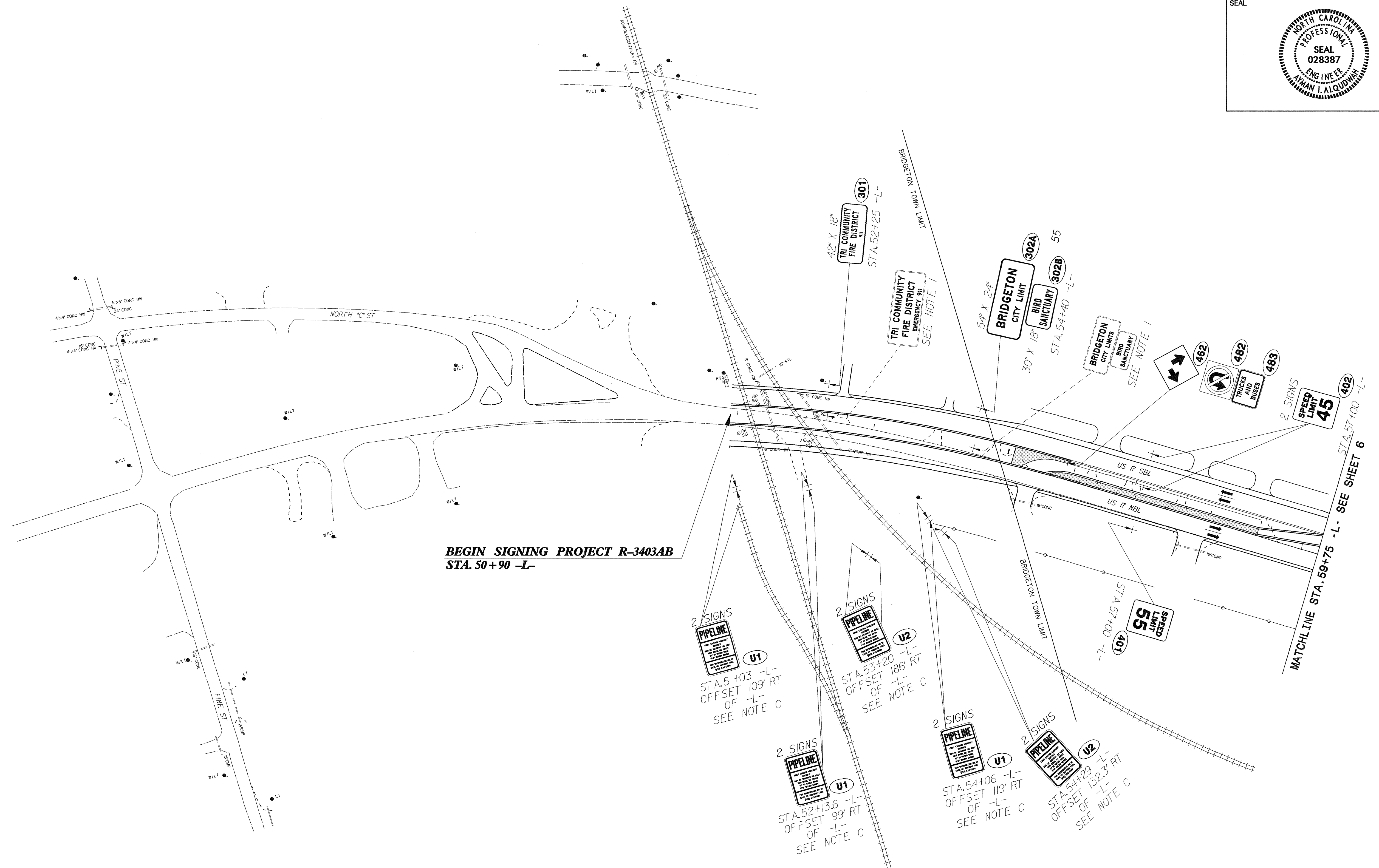
Letter	T	R	U	C	K	S	Series/Size Text Length
4.7	2.3	2.6	2.7	2.7	2.4	2	4.7
8.1	3	2.8	2	8.1			7.8
6.1	2.6	2.6	2.6	2.2	2	6.1	11.9

FILENAME: r3403a\_sgn\_guidesign NORTH CAROLINA D.O.T. SIGN DETAIL

3-MAR-2008 15:25  
 pt:\ppr\projects\3403a\traffic\signing\codd\signing layout plans\vr-3403ab\vr-3403ab\_sgn.ttitle.dgn  
 ericward AT TE221658

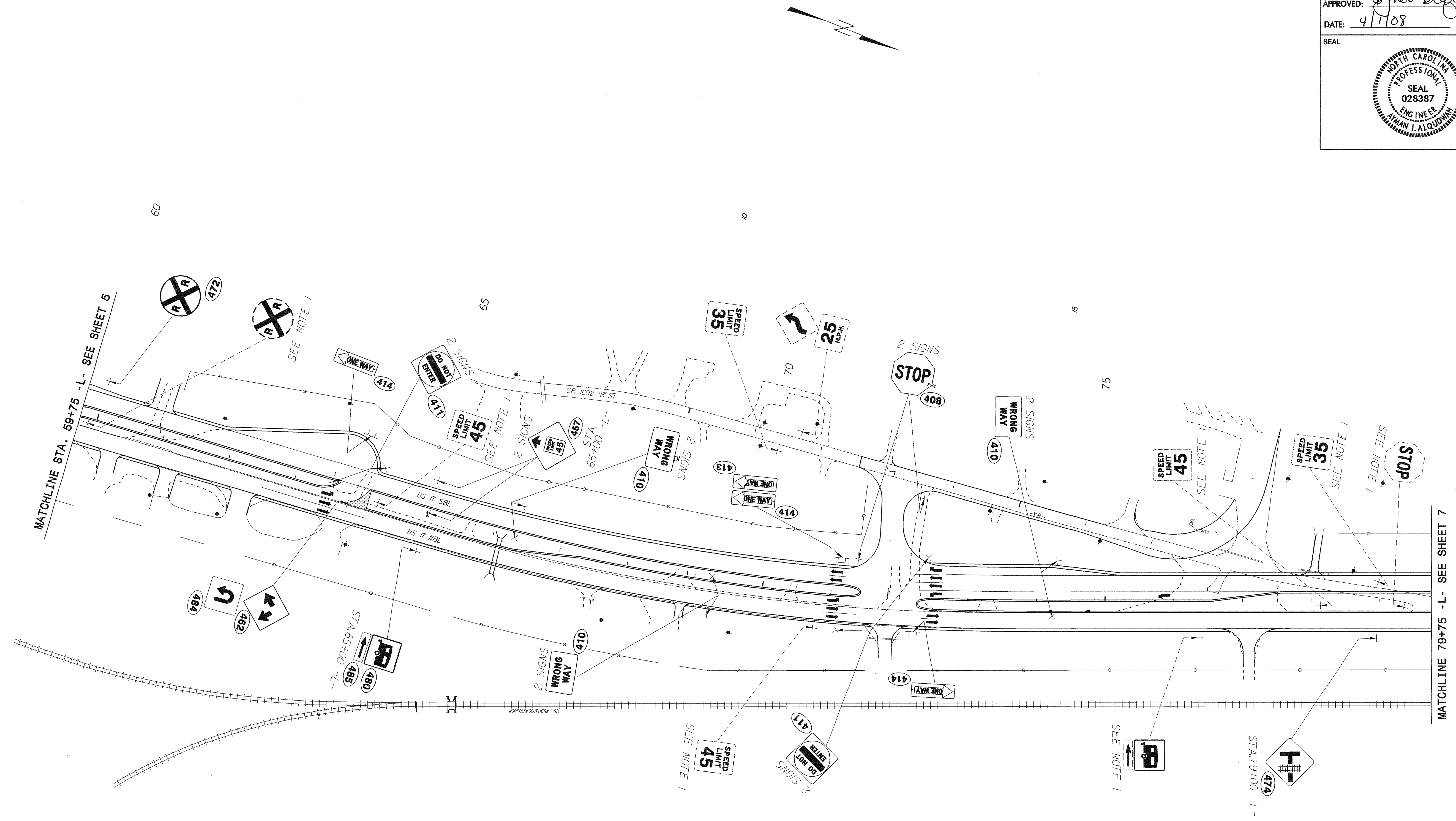
TYPE "E" AND "F" SIGNS

TIP NO. R-3403AB	SHEET NO. SIGN-5
APPROVED: <i>[Signature]</i>	
DATE: 7/16/08	
SEAL	



14-JUL-2008 14:01  
 pt:\ppr\p\ec\15-1-3403ab\traffic\signing\layout\_plans\1-3403ab-r-3403ab-sgn\_psh5.dgn  
 erickward AT TE221658

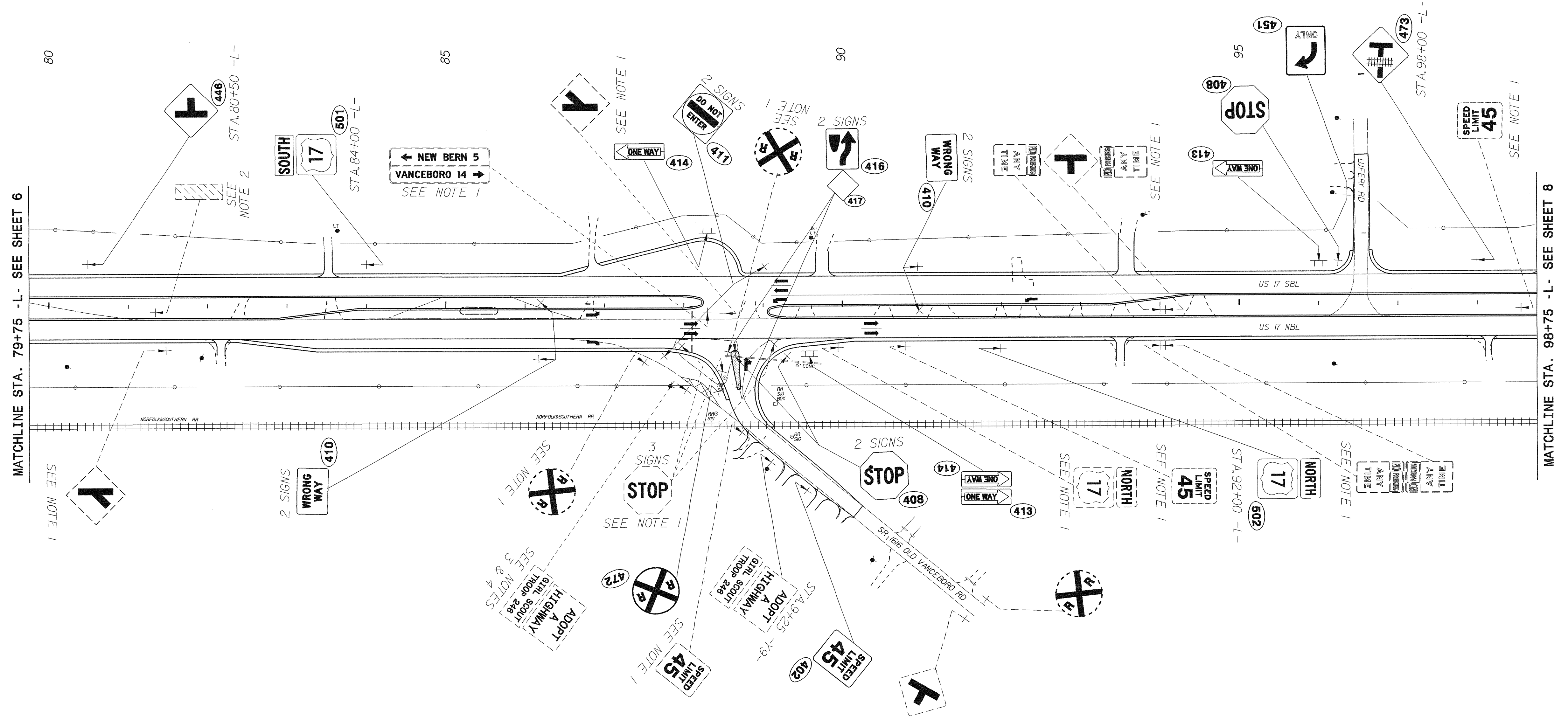
TIP NO. R-3403AB	SHEET NO. SIGN-6
APPROVED: <i>Ayman Blyden</i>	
DATE: 4/1/08	
SEAL	



**PROPOSED & EXISTING SIGNS**  
**US 17**  
**-L- STA. 59+75 TO STA. 79+75**

31-MAR-2008 15:22  
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 ericward AT TE221658

TIP NO. R-3403AB	SHEET NO. SIGN-7
APPROVED: <i>[Signature]</i>	
DATE: 4/1/08	
SEAL	



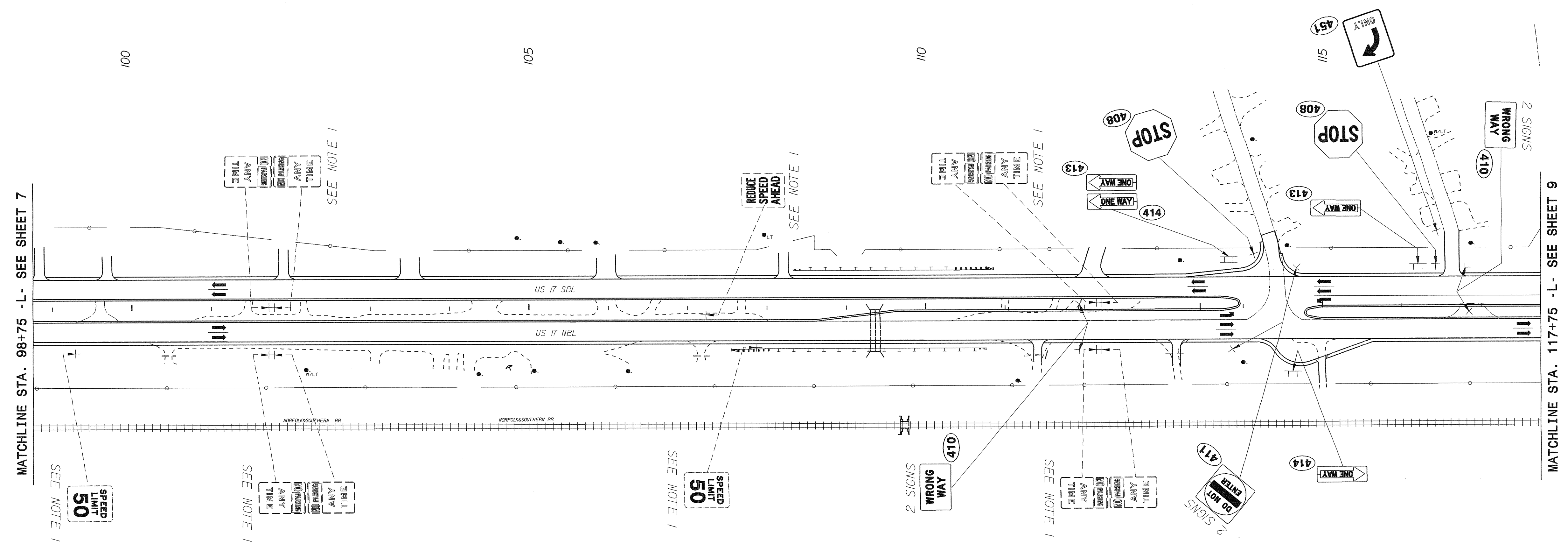
**PROPOSED & EXISTING SIGNS**  
**US 17**  
**-L- STA. 79+75 TO STA. 98+75**

31-MAR-2008 15:23  
 p:\tippro\electrical\3403ab\traffic\signing\cadd\signing\_layout.plans\R-3403ab\3403ab\_sgn.psh7.dgn  
 erichard AT TE221858



TIP NO. R-3403AB	SHEET NO. SIGN-8
APPROVED: <i>Jyma Blyden</i>	
DATE: 4/1/08	
SEAL	

SEAL  
028387  
ENGINEER  
THOMAS I. ALQUODDY  
NORTH CAROLINA



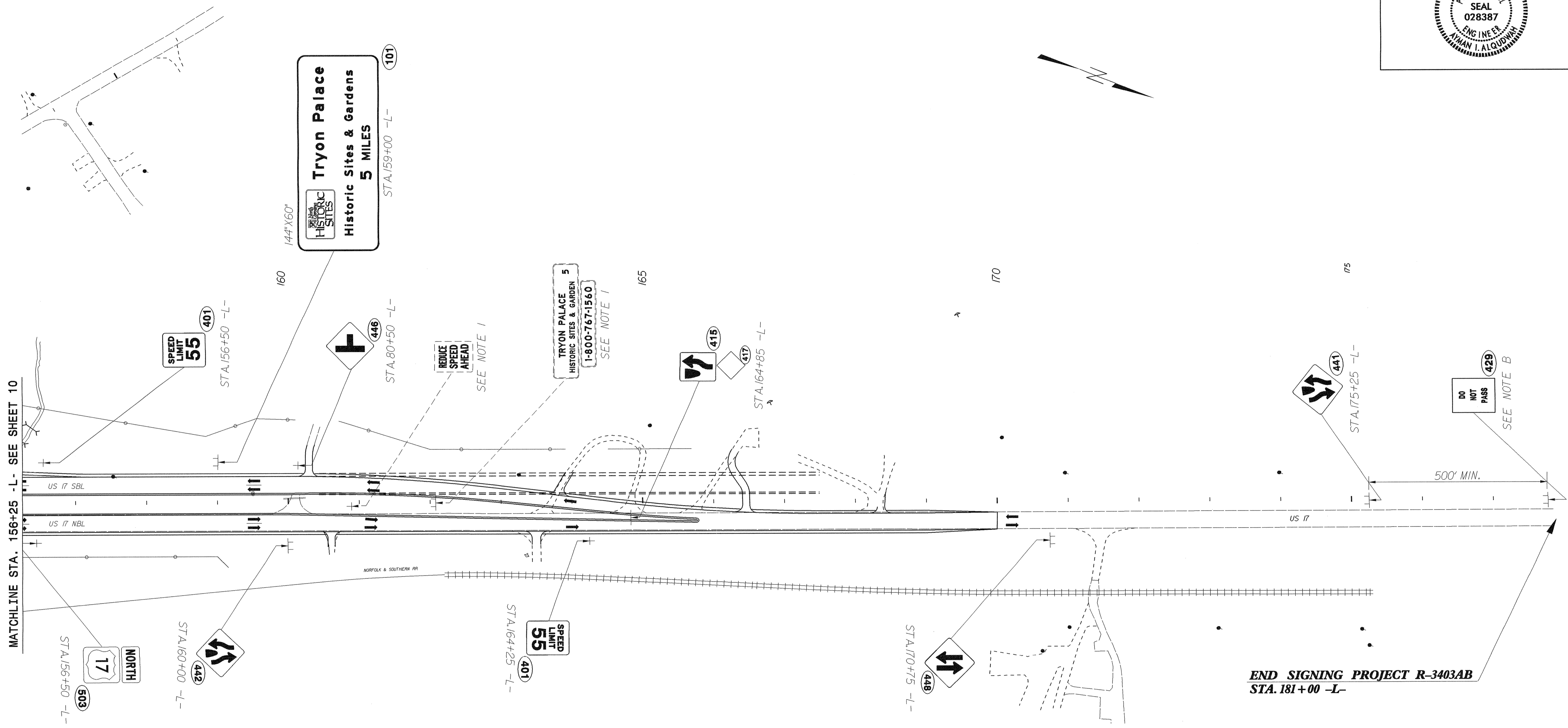
**PROPOSED & EXISTING SIGNS**  
**US 17**  
**-L- STA. 98+75 TO STA. 117+75**

31-MAR-2008 15:23  
 p:\tippro\proj\3403ab\traffic\signing\cadd\signing\_layout.plots\R-3403ab\sgn-pshb.dgn  
 er:icwerd AT TE221658





TIP NO. R-3403AB	SHEET NO. SIGN-11
APPROVED: <i>Dyna Reynolds</i>	
DATE: 4/1/08	
SEAL	



31-MAR-2008 15:25  
 p:\tipprojelect\3403ab\traffic\signing\cadd\signing\_layout\plans\R-3403ab\3403ab\_sgn\_psh11.dgn  
 ericward AT TE221858

**PROPOSED & EXISTING SIGNS**  
**US 17**  
**-L- STA. 156+25 TO STA. 181+00**