

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

TIP NO. U-2550B	SHEET NO. SIGN-1
APPROVED: <i>[Signature]</i>	
DATE: 5-5-11	
SEAL	

**SIGNING PLAN
BURKE COUNTY**

**LOCATION: MORGANTON - NC 18 (STERLING STREET)
AND I-40 INTERCHANGE**

T.I.P.: U-2550B

CONTRACT: C202622

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
901.10	TYPE 'A' SIGNS
901.20	TYPE 'B' SIGNS
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - FOR TYPE A AND TYPE B SIGNS
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.30	SUPPLEMENTAL SIGN MOUNTING
904.40	MILEPOST AND PLACEMENT
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

PROJECT NOTES

1. RELOCATE SIGN, TYPE A (GROUND MOUNTED)
2. RELOCATE SIGN, TYPE D
3. RELOCATE SIGN, TYPE E
4. DISPOSAL OF SUPPORT, STEEL BEAM
5. DISPOSAL OF SUPPORT, WOOD
6. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
7. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
8. DISPOSAL OF SUPPORT, U-CHANNEL

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.
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- . 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 C REFLECTIVE SHEETING.
- . DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

SUMMARY OF QUANTITIES

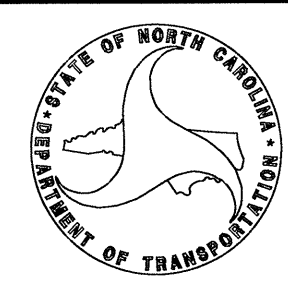
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DESC. NO.	SECT. NO.		
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4066000000	903	7841	LB.
4072000000	903	1883	L.F.
4078000000	903	2	EA.
4096000000	904	11	EA.
4102000000	904	62	EA.
4108000000	904	12	EA.
4110000000	904	6	EA.
4110000000	904	4	EA.
4114000000	904	2	EA.
4116100000	904	8	EA.
4116100000	904	3	EA.
4116100000	904	2	EA.
4138000000	907	15	EA.
4141000000	907	2	EA.
4152000000	907	5	EA.
4155000000	907	62	EA.
4192000000	907	5	EA.

INDEX


SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2-2D	SUPPORT INFORMATION AND GROUND MOUNT SHEETS
SIGN-3-3A	E AND F SHEETS
SIGN-4-4C	SIGN DESIGNS AND OVERHEAD DETAILS
SIGN-5-12	EXISTING AND PROPOSED SIGNS

PLAN PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

AYMAN I. ALQUDWAH, PE SIGNING & DELINEATION REGIONAL ENGINEER
DERRICK H. BEARD SIGNING & DELINEATION PROJECT DESIGN ENGINEER



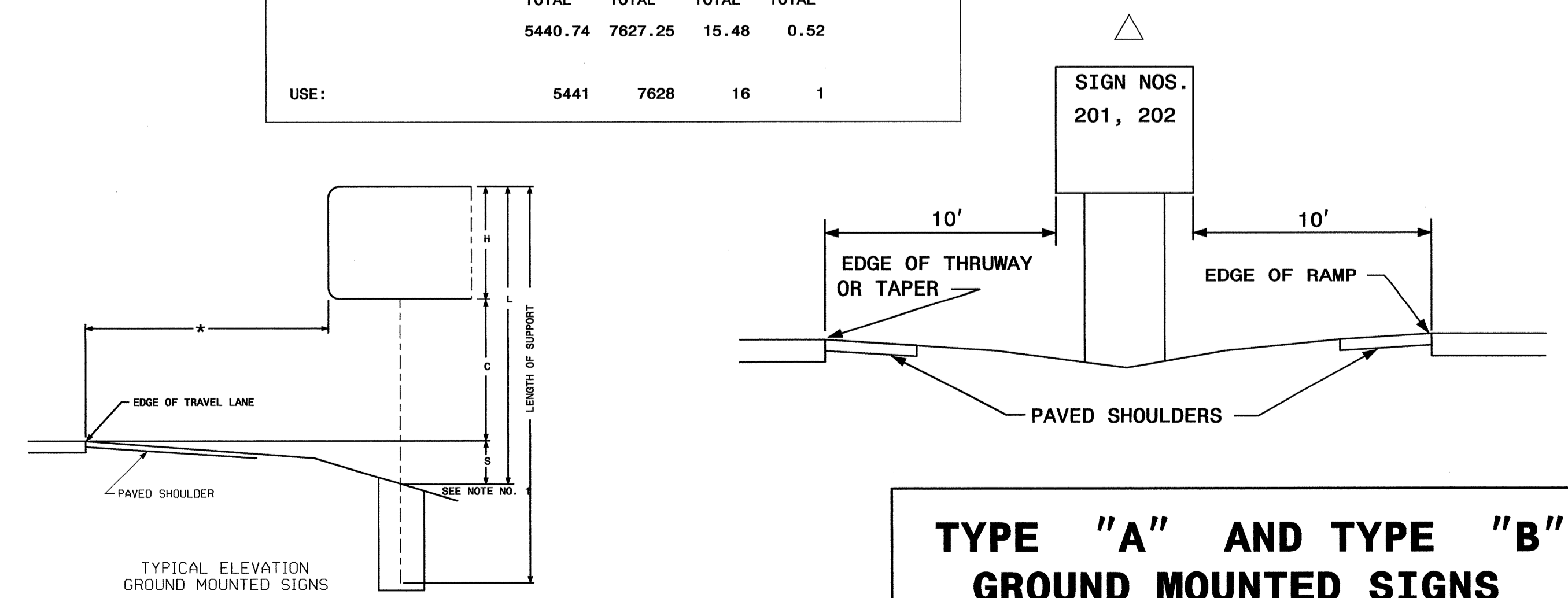
TIP NO.	SHEET NO.
U-2550B	SIGN-2
APPROVED:	
DATE: 3-7-11	
SEAL	




SIGN NO.	SIGN TYPE	SIGN SIZE (in.)	ROADWAY STATION	NO. OF	BEAM SECTION	SUPPORT TYPE	ATTACH METHOD	MOUNTING METHOD	HORIZ. CLR.	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			B/A	SIMPLE	FIELD			
										SNS	HT	MTG HT	EMBED	TOTAL	TOTAL	TOTAL	DIAMETER	DEPTH	WEIGHTS	WEIGHTS	FTGS.			FTGS.	SEE NOTE 2		
w	x	h	SUP.	BA or S				(ft.)	H	C	MENT	S	L	LENGTH	S	L	LENGTH	S	L	LENGTH	(ft.)	(ft.)	(lbs.)	(lbs.)	(c.y.)	(c.y.)	(mm/dd/yy)
101A	B	108X24																									
101B	A	168X174	Y1 32+70 +/-	2	W18x40	S	1-R	N/A	20.00	14.50	7.00	6.5	4.25	25.75	32.25	0.00	0.00	0.00	8.33	29.83	36.33	3	7	0.00	2743.20	3.67	0.00
102A	B	108X24																									
102B	A	168X174	Y1 53+20 +/-	2	W18x40	S	1-R	N/A	21.70	14.50	7.00	6.5	4.50	26.00	32.50	0.00	0.00	0.00	8.58	30.08	36.58	3	7	0.00	2763.20	3.67	0.00
103A	B	108X24																									
103B	A	156X66	Y1 18+66 +/-	2	W6x16	BA	1-R	N/A	18.00	5.50	12.08	5	-5.08	12.50	17.50	0.00	0.00	0.00	-1.25	16.33	21.33	1.5	5.5	753.66	0.00	0.72	0.00
104A	B	108X24																									
104B	A	144X66	Y1 65+51 +/-	2	W6x16	BA	1-R	N/A	18.00	5.50	12.25	5	-1.67	16.08	21.08	0.00	0.00	0.00	-5.25	12.50	17.50	1.5	5.5	749.66	0.00	0.72	0.00
201	A	90X60	Y1 40+19 +/-	2	S3x5.7	BA	N/A	N/A	5.00	7.00		3.5	0.33	12.33	15.83	0.00	0.00	0.00	0.42	12.42	15.92	1	4	216.51	0.00	0.00	0.23
202	A	90X60																									
301	D	90X24	Y1 40+23 +/-	2	S4x7.7	BA	N/A	2	7.00	7.00		4.5	0.42	14.42	18.92	0.00	0.00	0.00	0.58	14.58	19.08	1	5	333.21	0.00	0.00	0.29
901	A	180X72	Y1 29+00 +/-	2	W6x12	BA	N/A	N/A	30.00	6.00	7.00	5	3.25	16.25	21.25	0.00	0.00	0.00	1.67	14.67	19.67	1.5	5.5	576.40	0.00	0.72	0.00
902	A	180X72	Y1 34+50 +/-	2	W8x21	S	N/A	N/A	25.00	6.00	7.00	5.5	8.42	21.42	26.92	0.00	0.00	0.00	14.17	27.17	32.67	2	6	0.00	1251.39	1.40	0.00
903	A	90X102	LPC 12+33 +/-	2	W6x12	BA	N/A	N/A	18.00	8.50	7.00	4.5	2.17	17.67	22.17	0.00	0.00	0.00	2.83	18.33	22.83	1.5	5	625.36	0.00	0.65	0.00
904A	A	90X84																									
904B	B	72X18	LPC 13+78 +/-	2	W6x9	BA	N/A	1	18.00	8.50	7.00	4	1.25	16.75	20.75	0.00	0.00	0.00	1.17	16.67	20.67	1.5	4.5	435.90	0.00	0.59	0.00
905A	A	180X120																									
905B	B	96X18	Y1 61+50 +/-	2	W8x21	BA	N/A	1	25.00	11.50	7.00	6	2.75	21.25	27.25	0.00	0.00	0.00	2.67	21.17	27.17	2	6.5	1328.44	0.00	1.51	0.00
906	A	216X48	Y1 44+05 +/-	2	W6x9	S	N/A	N/A	20.00	4.00	7.00	4	1.08	12.08	16.08	0.00	0.00	0.00	2.42	13.42	17.42	1.5	4.5	0.00	301.50	0.59	0.00
908	A	90X102	RPA 20+55 +/-	2	W6x9	BA	N/A	N/A	18.00	8.50	8.33	4	-0.50	16.33	20.33	0.00	0.00	0.00	-1.33	15.50	19.50	1.5	4.5	421.59	0.00	0.59	0.00
907A	A	90X84																									
907B	B	72X18	RPA 20+51 +/-	2	W6x12	S	N/A	1	18.00	8.50	7.00	4.5	2.58	18.08	22.58	0.00	0.00	0.00	4.75	20.25	24.75	1.5	5	0.00	567.96	0.65	0.00

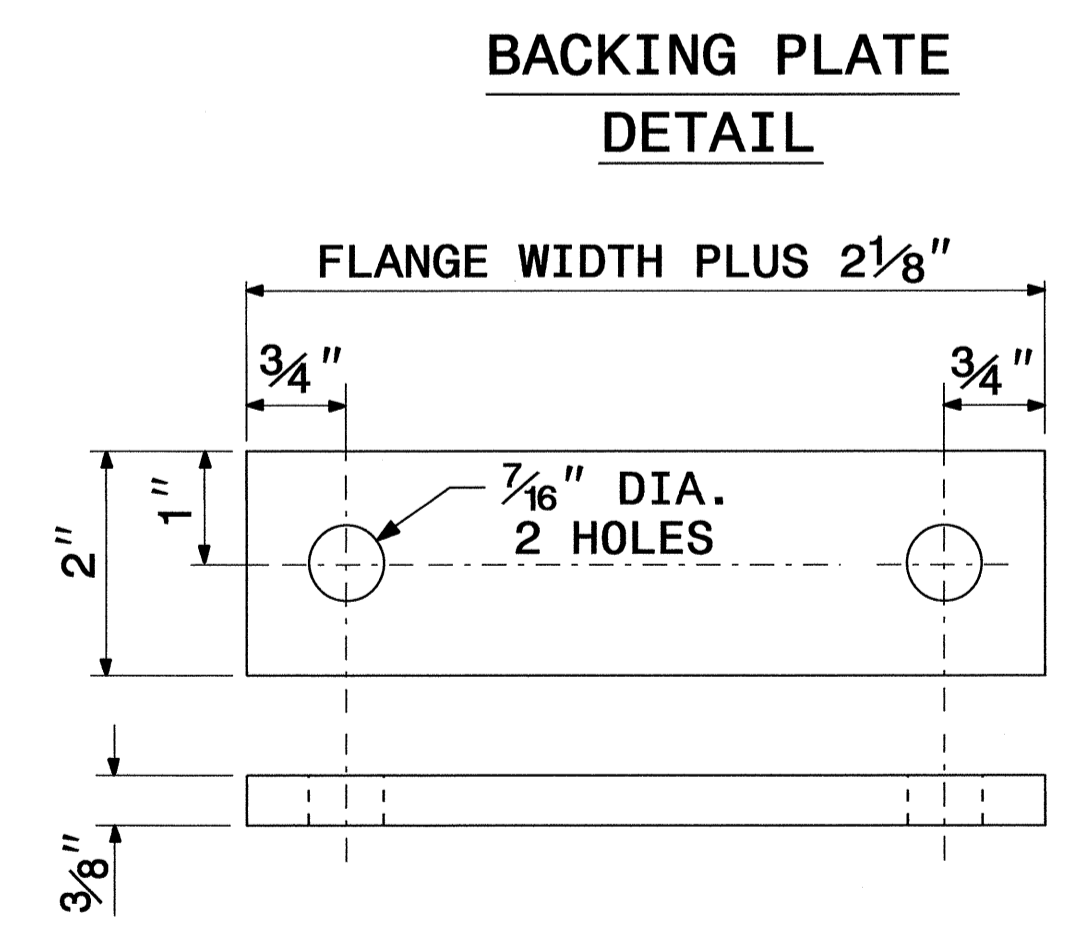
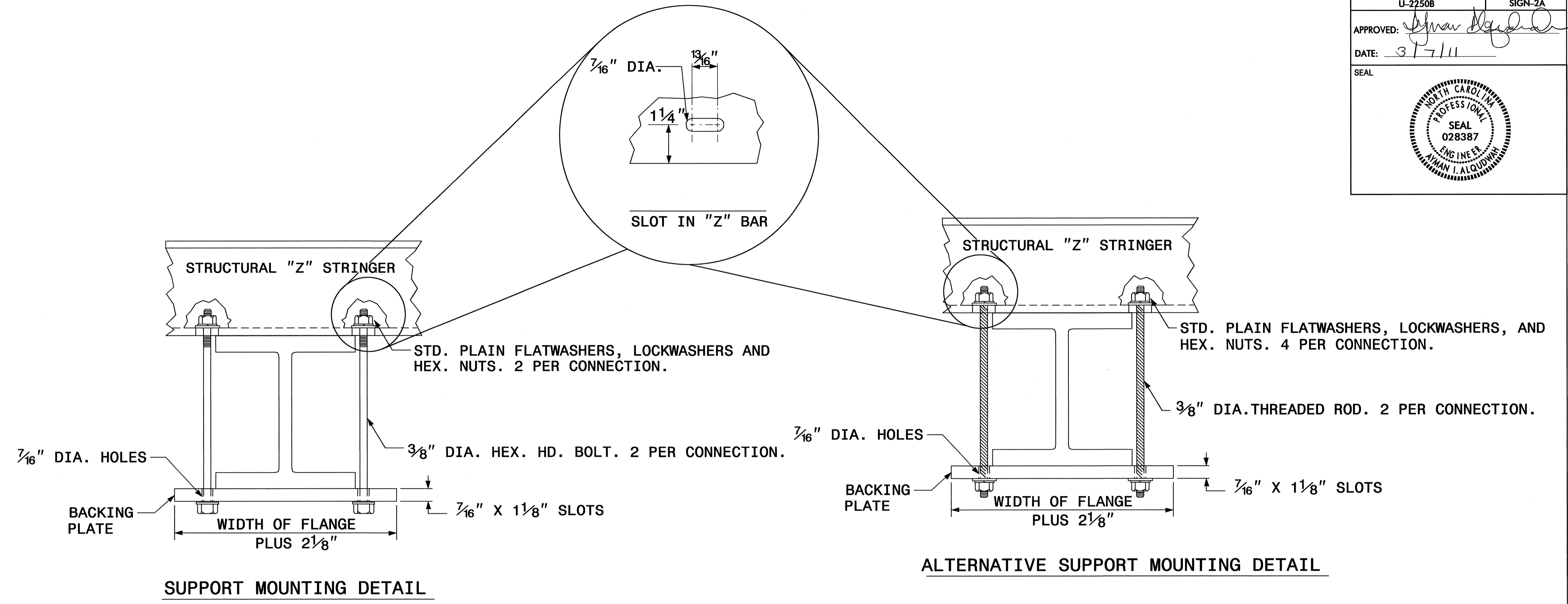
TOTAL	TOTAL	TOTAL	TOTAL
5440.74	7627.25	15.48	0.52
USE:	5441	7628	16 1

- NOTES
1. DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF PAVEMENT.
 2. 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
 3. 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.

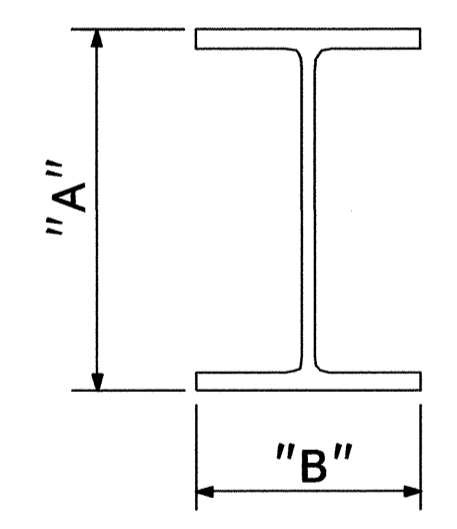


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 Sheet 3 of 3

TIP NO. U-2250B	SHEET NO. SIGN-2A
APPROVED: <i>[Signature]</i>	
DATE: 3/7/11	
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SIGN SUPPORTS SECTION DIMENSIONS

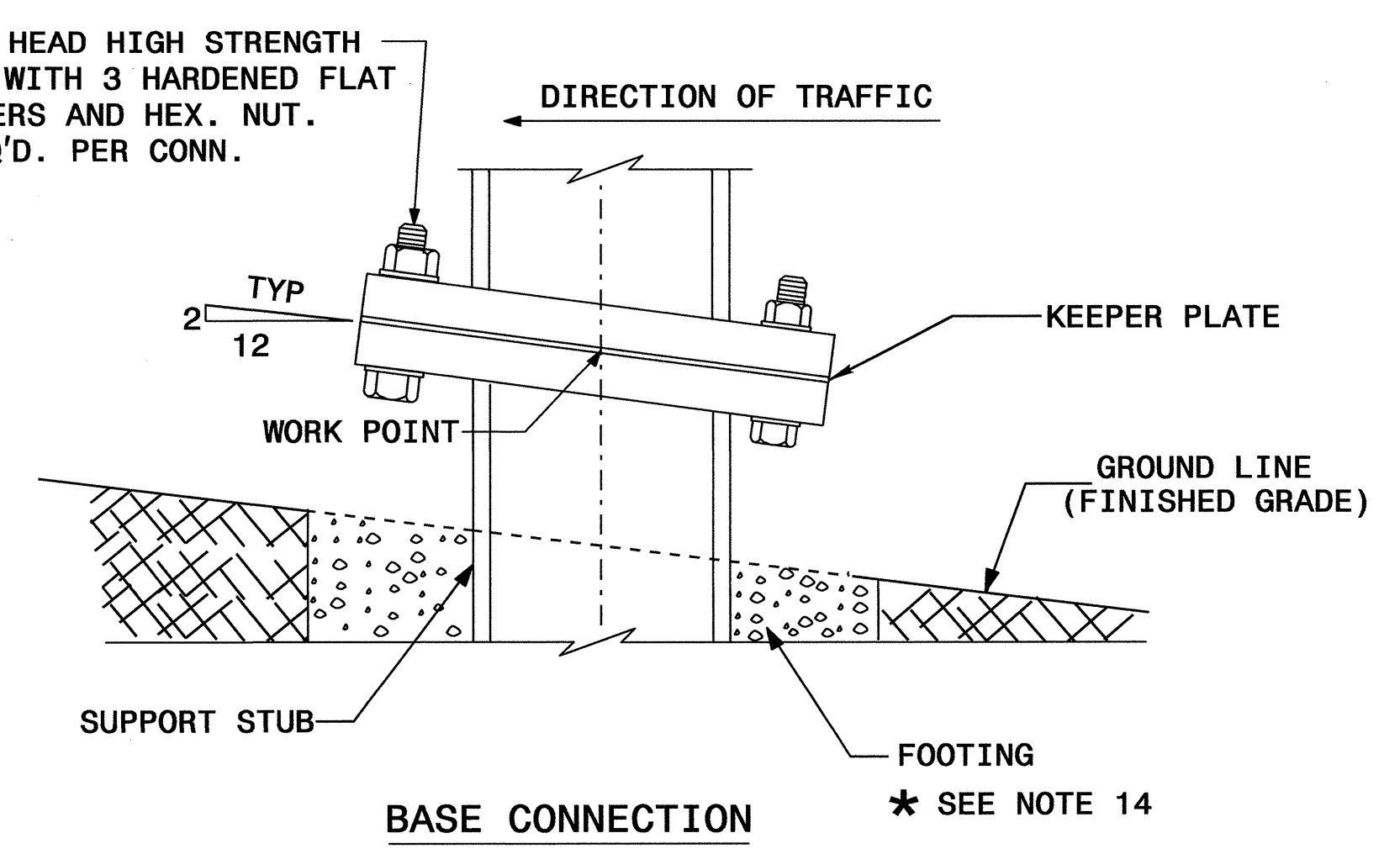
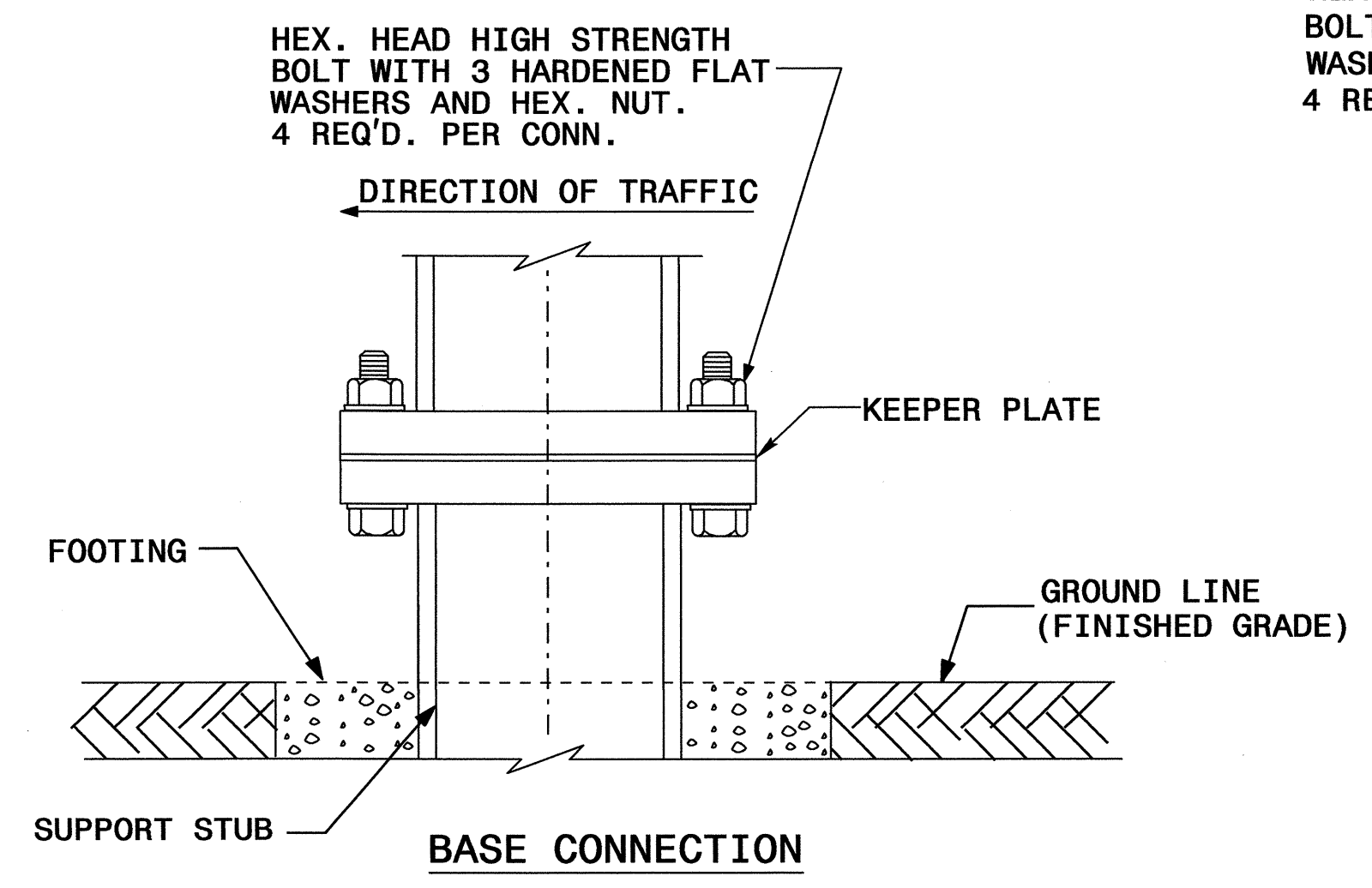
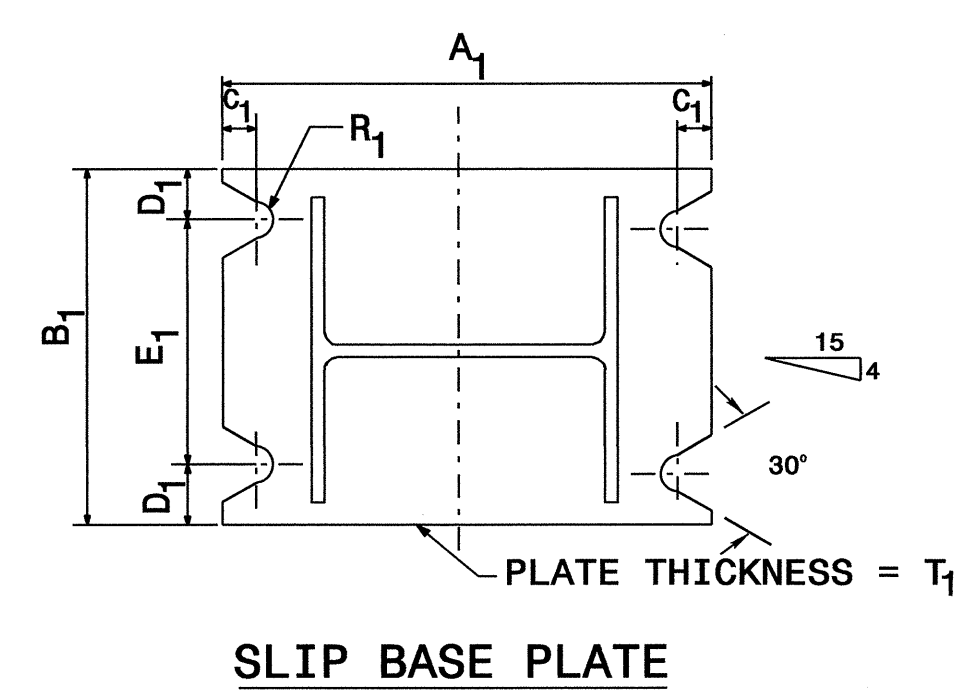
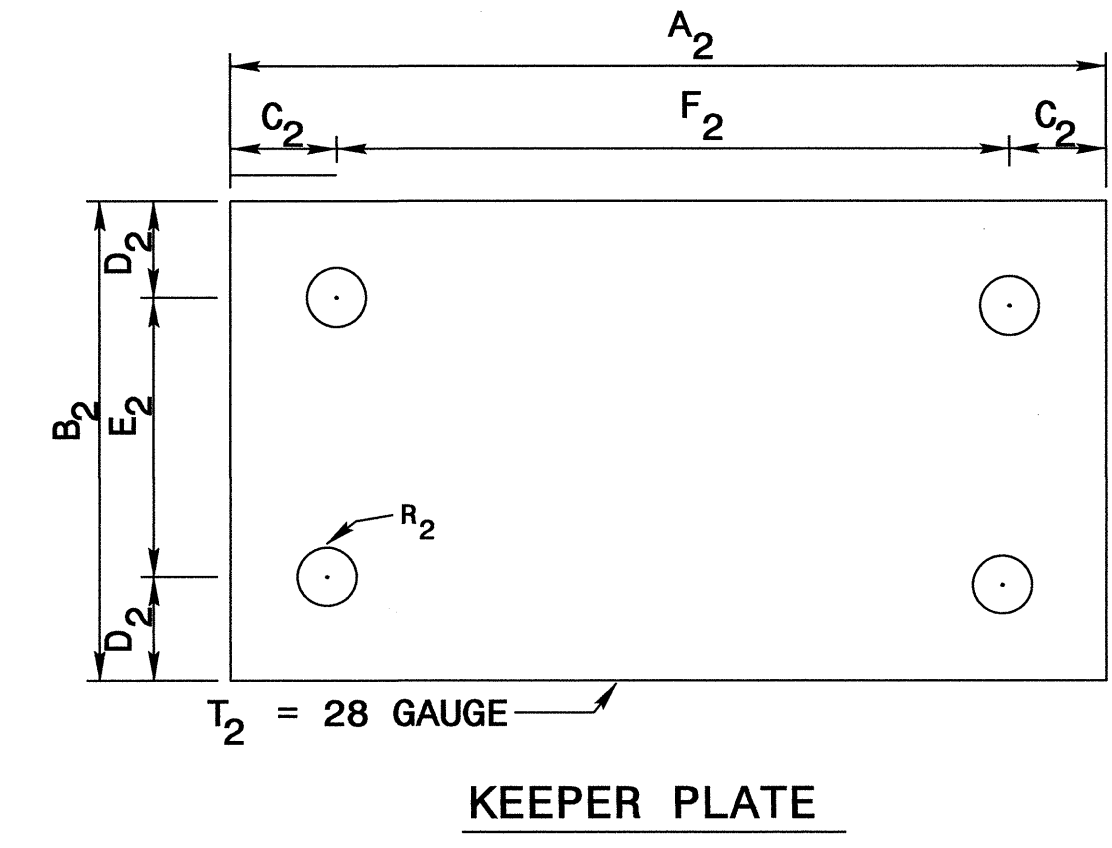
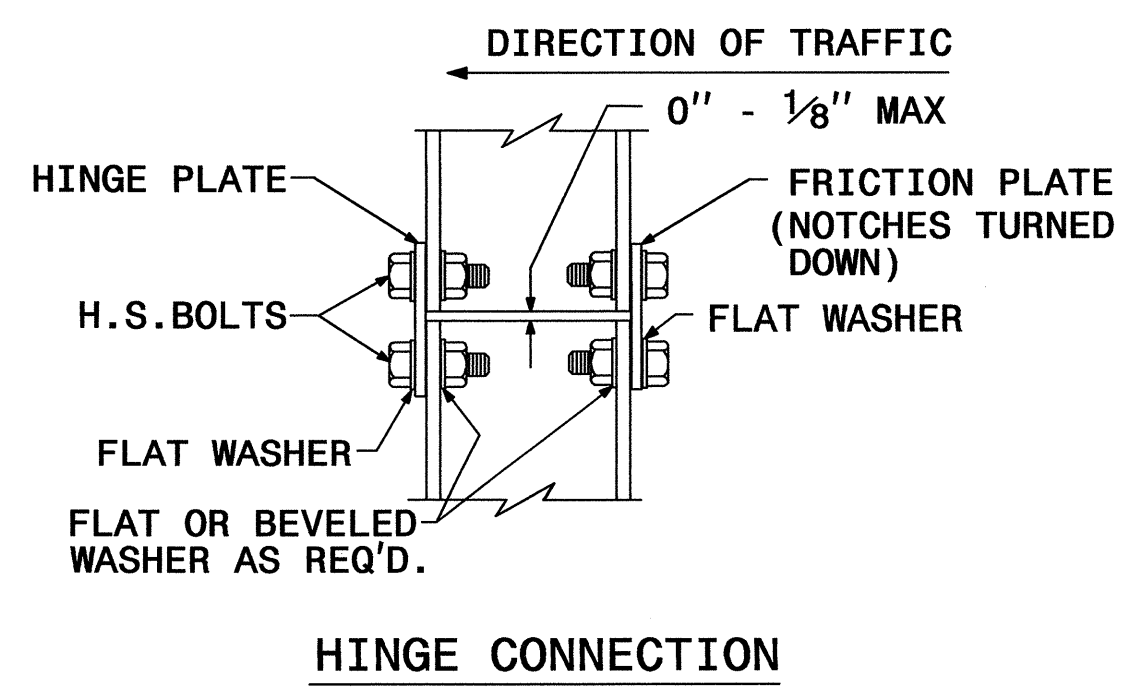
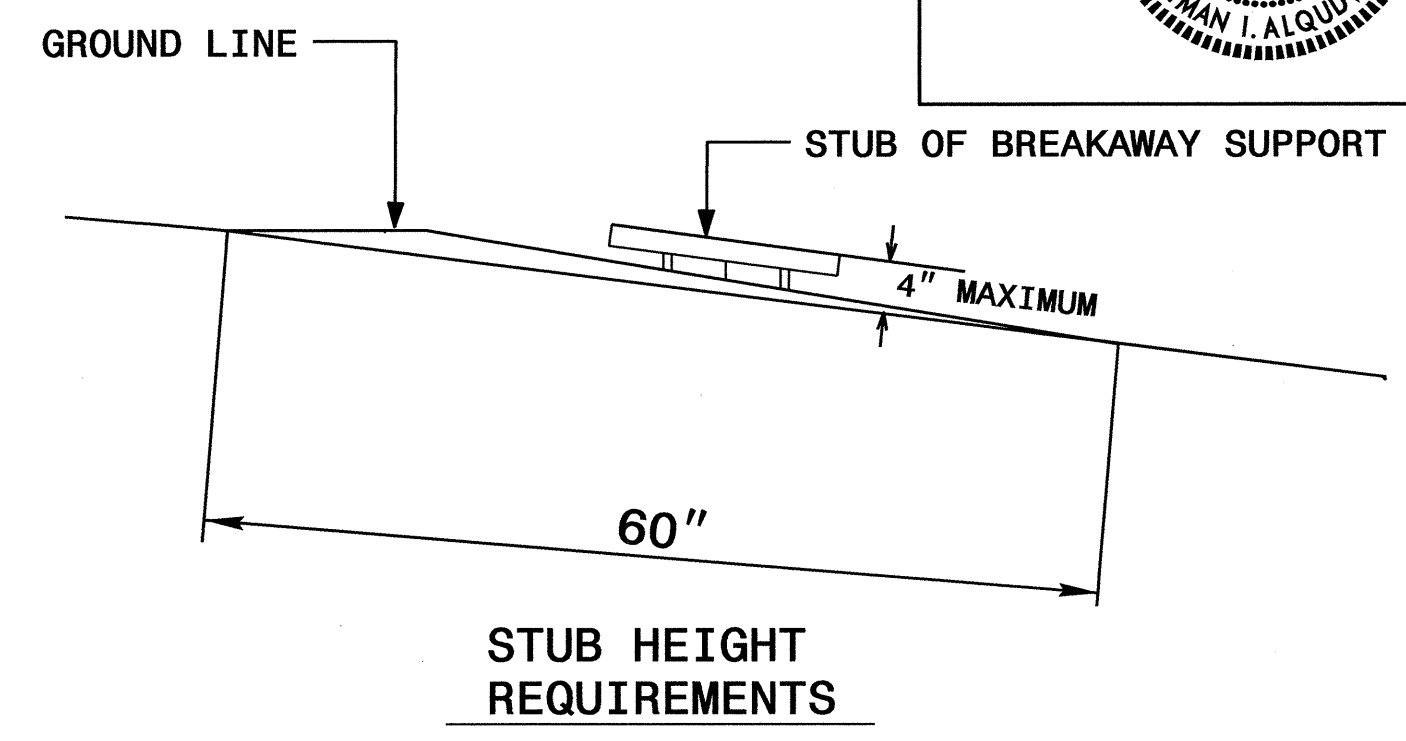
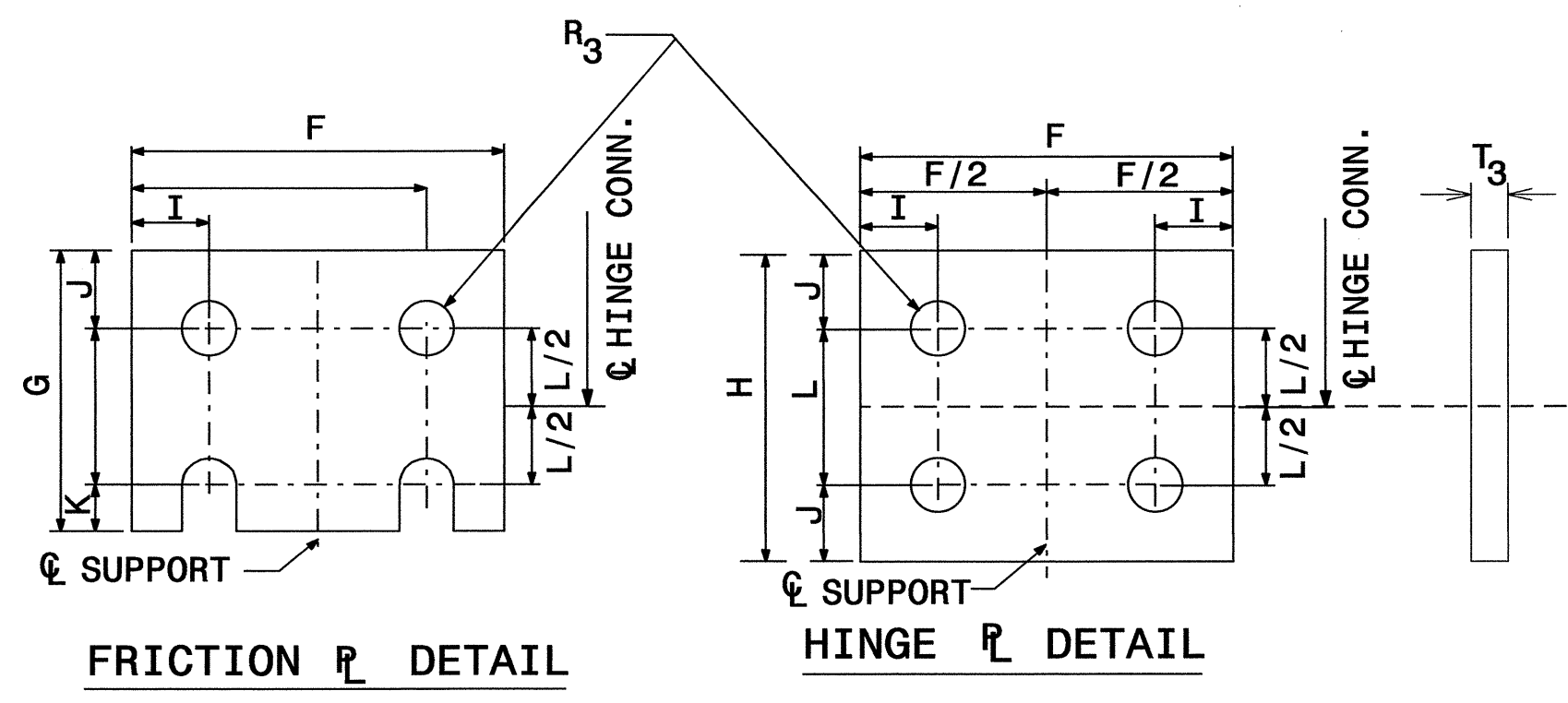
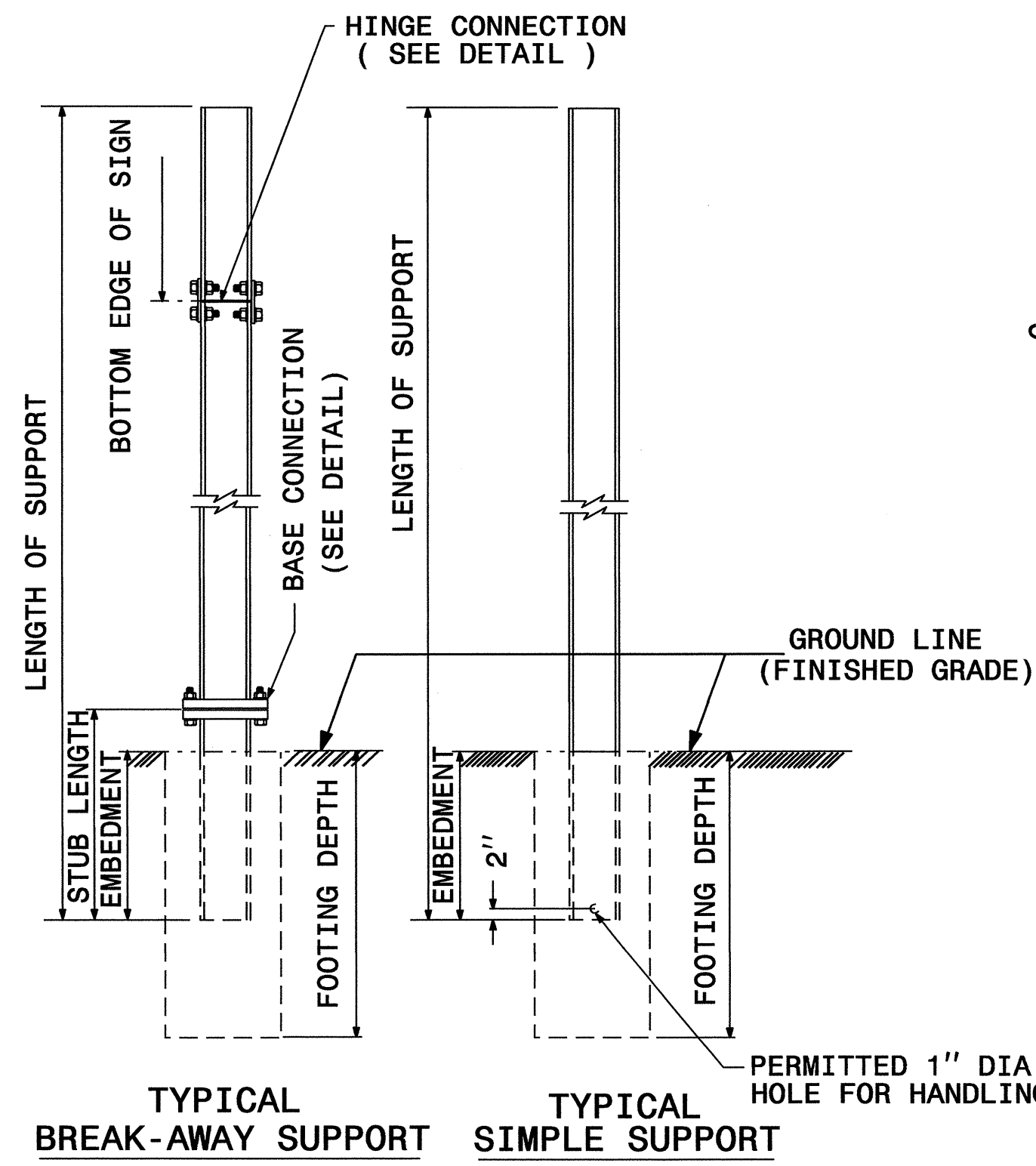


SECTION	A	B
S3 X 5.7	3"	2 3/8"
S4 X 7.7	4"	2 5/8"
W6 X 9	6"	4"
W6 X 12	6"	4"
W6 X 16	6 1/4"	4"
W8 X 18	8 1/8"	5 1/4"
W8 X 21	8 1/4"	5 1/4"
W10 X 22	10 1/8"	5 3/4"
W10 X 26	10 3/8"	5 3/4"
W12 X 26	12 1/4"	6 1/2"
W14 X 30	13 7/8"	6 3/4"
W16 X 31	15 7/8"	5 1/2"
W18 X 35	17 3/4"	6"
W18 X 40	17 7/8"	6"
W21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

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 BOLTS AND THREADED RODS IN COMPLIANCE WITH ASTM A307 AND ASTM A153.

SIGN MOUNTING DETAILS

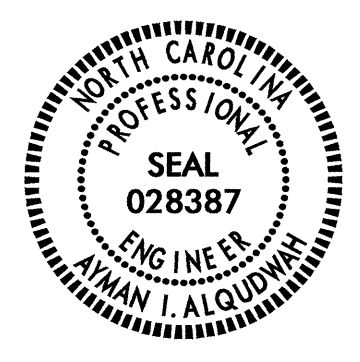
TIP NO. U-2250B	SHEET NO. SIGN-2B
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DATE: 3-1-11	
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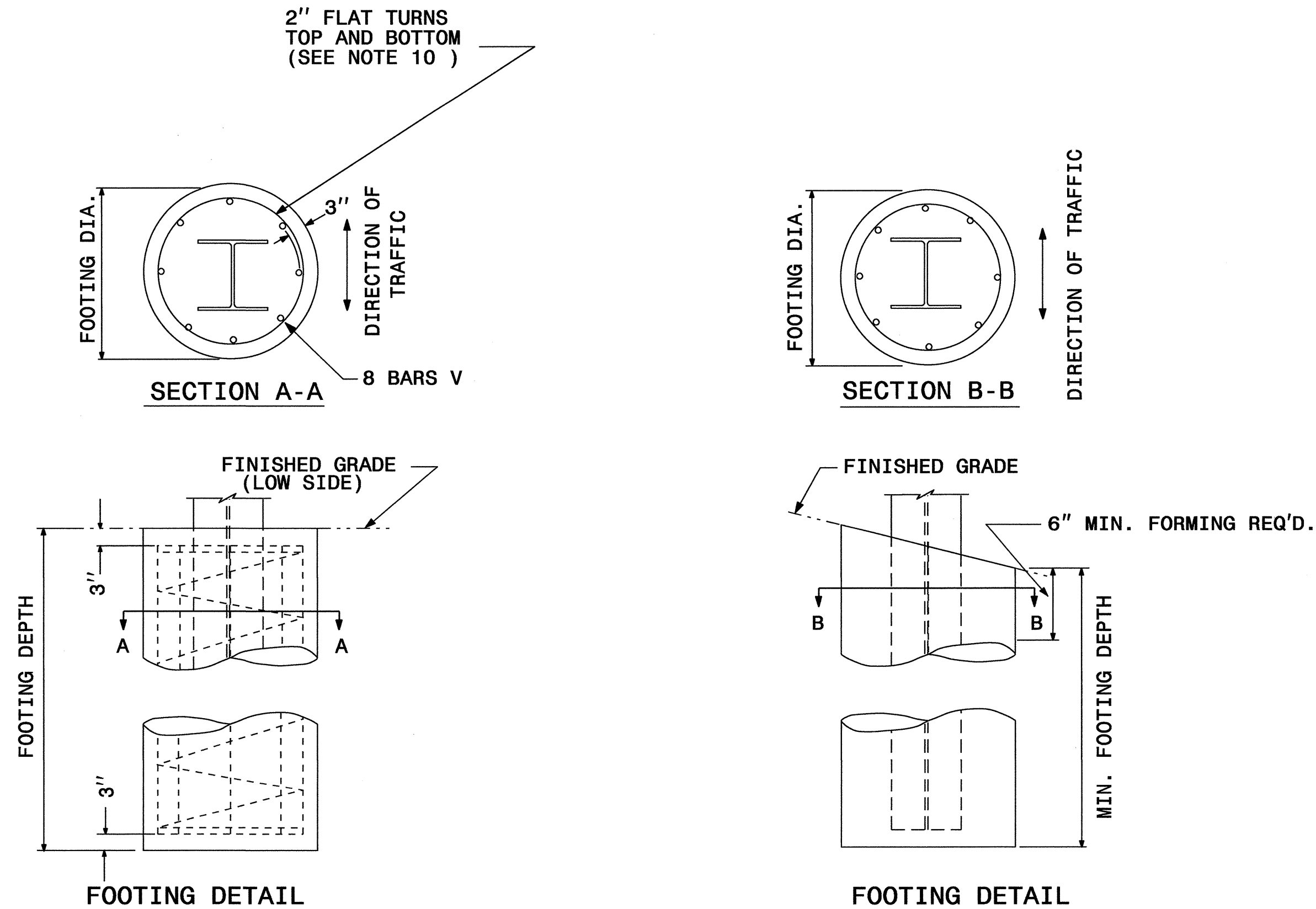
SEE SHEET SIGN-2C FOR DIMENSIONS.
SEE SHEET SIGN-2D FOR NOTES.

GROUND MOUNTED SIGN SUPPORT

04-MAR-2011 09:26
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shoebid 01 12:47:36

TIP NO. U-2250B	SHEET NO. SIGN-2C
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DATE: 3-1-11	
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BEAM SHAPE	SLIP BASE PLATE DATA								KEEPER PLATE DATA							HINGE CONNECTION DATA							BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.			
	BOLT SIZE	A ₁	B ₁	C ₁	D ₁	E ₁	T ₁	R ₁	A ₂	B ₂	C ₂	D ₂	E ₂	R ₂	T ₂	BOLT SIZE	F	G	H	I	J	K		L	R ₃	T ₃
S3X5.7	1/2"DIA.X 3"	7"	4"	1"	3/4"	2 1/2"	1"	9/32"	7"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2"DIA.X 1 1/4"	2 1/4"	3 1/2"	4"	1 1/2"	1"	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"	9/32"	8"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2"DIA.X 1 1/4"	2 5/8"	3 1/2"	4"	1 1/2"	1"	1 1/2"	2"	9/32"	3/8"	20
W6X9	1/2"DIA.X 3"	10"	5"	1"	3/4"	3 1/2"	1"	9/32"	10"	5"	1"	3/4"	3 1/2"	9/32"	28 GAUGE	1/2"DIA.X 1 1/4"	4"	3 1/2"	4"	3/4"	1"	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"	1 1/32"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/32"	28 GAUGE	5/8"DIA.X 2 1/4"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	3/8"	39
W6X16	5/8"DIA.X 3 3/4"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	1 1/32"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/32"	28 GAUGE	5/8"DIA.X 2 1/2"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	1 1/2"	47
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"	1 1/32"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/32"	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"	1 1/32"	1 1/2"	70
W8X21	3/4"DIA.X 4 1/4"	14"	7"	1 1/2"	1"	5"	1 1/2"	1 1/32"	14"	7"	1 1/2"	1"	5"	1 1/32"	28 GAUGE	3/4"DIA.X 2 3/4"	5 1/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 1/32"	1 1/2"	73
W10X22	3/4"DIA.X 4 1/4"	16"	8"	1 1/2"	1"	6"	1 1/2"	1 1/32"	16"	8"	1 1/2"	1"	6"	1 1/32"	28 GAUGE	3/4"DIA.X 2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 1/32"	1 1/2"	119
W10X26	3/4"DIA.X 4 3/4"	16 1/2"	8"	1 1/2"	1"	6"	1 3/4"	1 1/32"	16 1/2"	8"	1 1/2"	1"	6"	1 1/32"	28 GAUGE	3/4"DIA.X 2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 1/32"	5/8"	140
W12X26	3/4"DIA.X 4 3/4"	18 1/2"	9"	1 1/2"	1"	7"	1 3/4"	1 1/32"	18 1/2"	9"	1 1/2"	1"	7"	1 1/32"	28 GAUGE	3/4"DIA.X 2 3/4"	6 1/2"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 1/32"	5/8"	176
W14X30	1"DIA.X 5"	22"	9"	2"	1 1/2"	6"	2"	1 7/32"	22"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X 3"	6 3/4"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	5/8"	205
W16X31	1"DIA.X 5"	24"	9"	2"	1 1/2"	6"	2"	1 7/32"	24"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X 3 1/4"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	3/4"	223
W18X35	1"DIA.X 5"	25"	9"	2"	1 1/2"	6"	2"	1 7/32"	25"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X 3 1/4"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	3/4"	243
W18X40	1"DIA.X 5 1/2"	26"	9"	2"	1 1/2"	6"	2 1/4"	1 7/32"	26"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X 3 3/4"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	278
W21X44	1"DIA.X 5 1/2"	29"	9"	2"	1 1/2"	6"	2 1/2"	1 7/32"	29"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X 3 3/4"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	310



FOUNDATION DATA *		
FOOTING DIAMETER	REINFORCEMENT	SPIRAL BAR
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-2D FOR NOTES.

GROUND MOUNTED SIGN SUPPORT

TIP NO. U-2250B	SHEET NO. SIGN-2D
APPROVED: <i>[Signature]</i>	
DATE: 3-7-11	
SEAL	
	

NOTES:

1. DESIGN CONFORMS WITH THE SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS - A.A.S.H.T.O.
2. USE MATERIALS, FABRICATE AND ERECT SIGNS AND SUPPORTS THAT CONFORM TO THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
3. 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.
4. 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
5. 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.
6. BASE PLATES DETAILS ARE FOR INSTALLATIONS ON THE RIGHT SHOULDER AND IN GORE AREAS.
7. ASSEMBLE UPPER SUPPORT TO STUB AS SHOWN IN DETAIL. SLIP BASE PLATES SHALL BE FILLET WELDED ONTO POSTS ALL AROUND THE STRUCTURAL SHAPE SO AS TO INSURE NO LOSS OF STRENGTH. 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
3/8"	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.

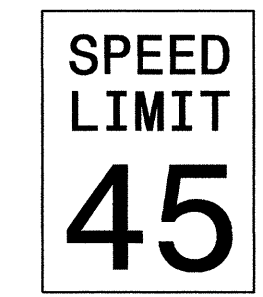
8. USE REINFORCED FOOTINGS WITH DIMENSIONS AS SHOWN IN PLANS. WHERE SOLID ROCK IS ENCOUNTERED, THE ENGINEER DIRECTS WHETHER TO PLACE THE FOOTING AT THE PRESCRIBED DEPTH OR EXTEND IT AT LEAST TWO FEET INTO THE ROCK. CONSTRUCT ALL FOOTINGS OF CLASS A CONCRETE.
9. FORM TOP 6" OF FOOTINGS. ENGINEER APPROVES THE METHOD USED.
10. 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.
11. ELIMINATE HINGE CONNECTION FOR ALL SINGLE SUPPORT SIGNS.
12. 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.
13. SHAPE THE TOPS OF THE FOOTINGS TO CONFORM WITH FINISHED GROUND ELEVATIONS SUCH THAT WATER WILL NOT COLLECT AGAINST THE SUPPORTS.
14. 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

04-MAR-2011 09:27
C:\Traffic\Signs\Layout Plans\Engseed\dgn
Sheet 3 of 12

TIP NO. U-2550B	SHEET NO. SIGN-3
APPROVED: <i>[Signature]</i>	
DATE: 6-5-11	
SEAL	
	

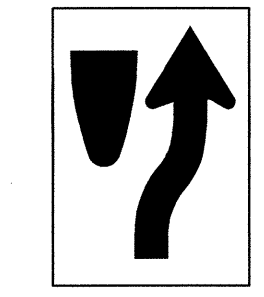
401 QUANTITY REQ'D 4



30" X 36"
R2-1

ONE "U" POST PER SIGN


406 QUANTITY REQ'D 7



24" X 30"
R4-7

ONE "U" POST PER SIGN

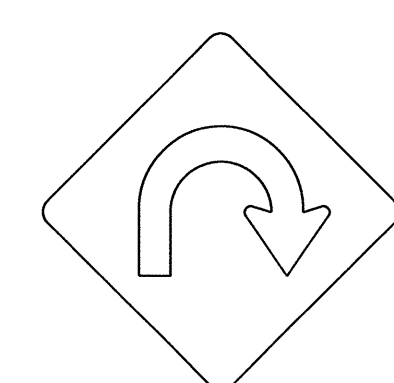
411 QUANTITY REQ'D 2



36" X 12"
R6-1 (R)

MOUNT ABOVE SIGN 429
IN 1 INSTALLATION


416 QUANTITY REQ'D 1



48" X 48"
W1-11 (R)

TWO "U" POSTS PER SIGN

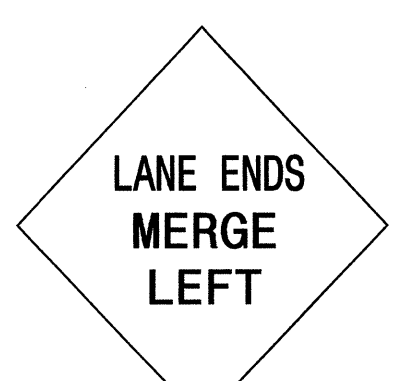
421 QUANTITY REQ'D 1



48" X 48"
W9-2(R)

TWO "U" POSTS PER SIGN

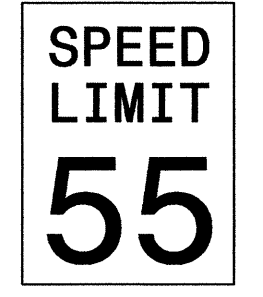
426 QUANTITY REQ'D 1



36" X 36"
W9-2L

ONE "U" POST PER SIGN

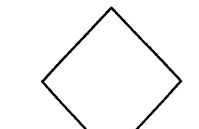
402 QUANTITY REQ'D 1



30" X 36"
R2-1

ONE "U" POST PER SIGN

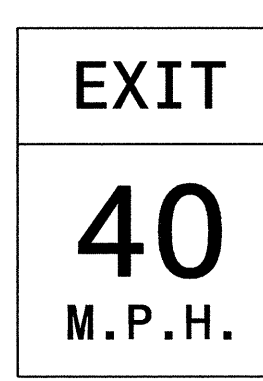
407 QUANTITY REQ'D 7



18" X 18"
OM1-3

MOUNT BELOW SIGN 406
IN 7 INSTALLATIONS

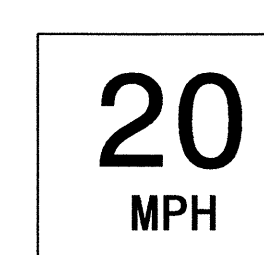
412 QUANTITY REQ'D 1



36" X 48"
W13-2

TWO "U" POSTS PER SIGN

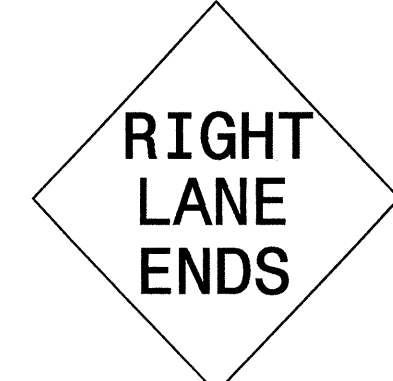
417 QUANTITY REQ'D 1



30" X 30"
W13-1

MOUNT BELOW SIGN 416
IN 1 INSTALLATION

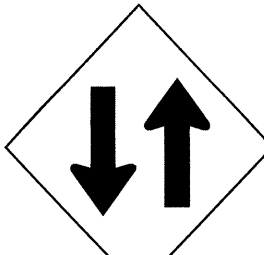
422 QUANTITY REQ'D 1



36" X 36"
W9-2(R)

ONE "U" POST PER SIGN

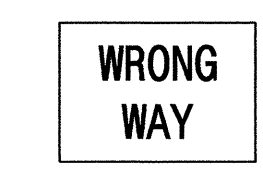
427 QUANTITY REQ'D 1



36" X 36"
W6-3

ONE "U" POST PER SIGN

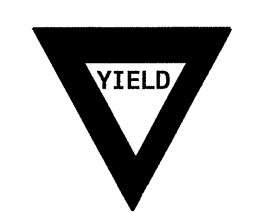
403 QUANTITY REQ'D 4



42" X 30"
R5-1a

ONE "U" POST PER SIGN

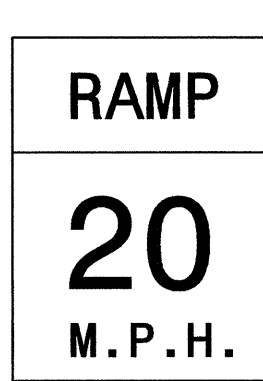
408 QUANTITY REQ'D 2



36" X 36" X 36"
R1-2

ONE "U" POST PER SIGN

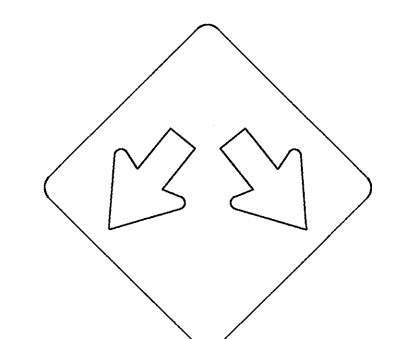
413 QUANTITY REQ'D 1



36" X 48"
W13-3

TWO "U" POSTS PER SIGN

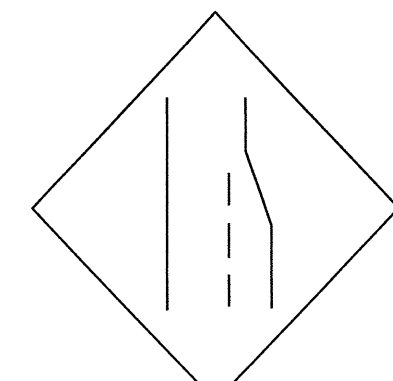
418 QUANTITY REQ'D 1



36" X 36"
W12-1

ONE "U" POST PER SIGN


423 QUANTITY REQ'D 1



48" X 48"
W4-2(R)

TWO "U" POSTS PER SIGN

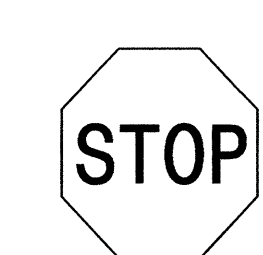
428 QUANTITY REQ'D 1



36" X 36"
W3-5

ONE "U" POST PER SIGN


404 QUANTITY REQ'D 1



30" X 30"
R1-1

ONE "U" POST PER SIGN


409 QUANTITY REQ'D 3



54" X 18"
R6-1 (R)

TWO "U" POSTS PER SIGN

414 QUANTITY REQ'D 2

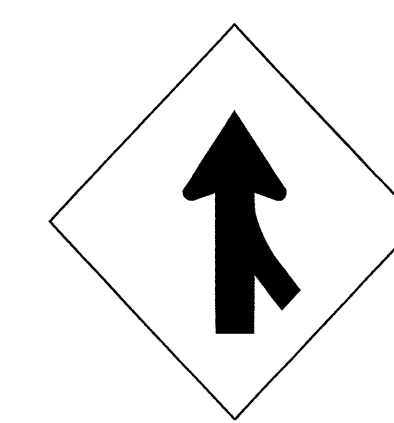


36" X 36"
W11-2

YELLOW/GREEN REFLECTIVE SHEETING

ONE "U" POST PER SIGN

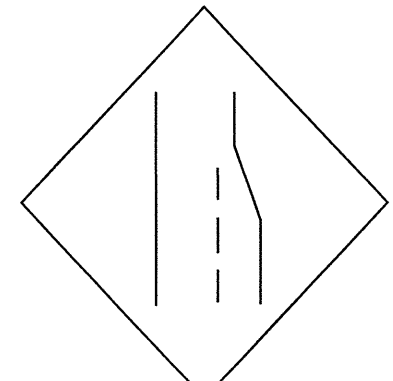
419 QUANTITY REQ'D 2



48" X 48"
W4-1 (R)

TWO "U" POSTS PER SIGN

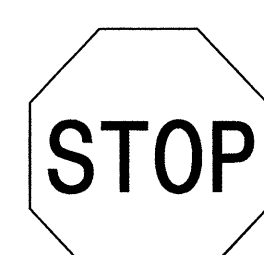
424 QUANTITY REQ'D 3



36" X 36"
W4-2(R)

ONE "U" POST PER SIGN


429 QUANTITY REQ'D 2



36" X 36"
R1-1

ONE "U" POST PER SIGN


405 QUANTITY REQ'D 2



36" X 36"
R5-1

ONE "U" POST PER SIGN

410 QUANTITY REQ'D 3




54" X 18"
R6-1 (L)

MOUNT BACK TO BACK WITH SIGN 409
IN 2 INSTALLATIONS

TWO "U" POSTS PER SIGN

415 QUANTITY REQ'D 2

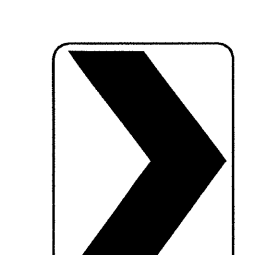


24" X 12"
W16-7

YELLOW/GREEN REFLECTIVE SHEETING

MOUNT BELOW SIGN 414
IN 2 INSTALLATIONS

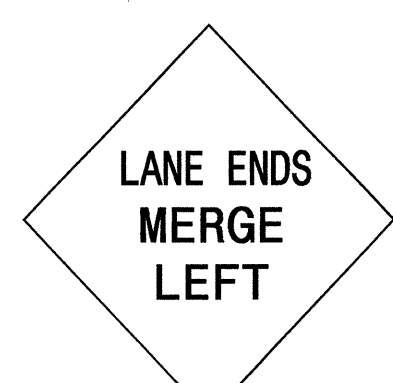
420 QUANTITY REQ'D 3



36" X 48"
W1-8

ONE "U" POST PER SIGN

425 QUANTITY REQ'D 1




48" X 48"
W9-2L

TWO "U" POSTS PER SIGN

TYPE "E" SIGNS

05-MAY-2011 08:55 C:\Users\jgadda\CAD\Signing Layout Plans\U-2550B_Sign_SGN_I-4.dgn

TIP NO. U-2550B	SHEET NO. SIGN-3A
APPROVED: <i>[Signature]</i>	
DATE: 3-7-11	
SEAL	
	

501
502

JCT 1 - 21" X 15"

INTERSTATE 40 1 - 24" X 24"

ONE 'U' POST

509

WEST EAST 2 - 24" X 12"

INTERSTATE 40 40 2 - 24" X 24"

↑ → 2 - 21" X 15"

TWO 'U' POSTS

503

EAST WEST 2 - 24" X 12"

INTERSTATE 40 40 2 - 24" X 24"

↑ → 2 - 21" X 15"

TWO 'U' POSTS

510

WEST NORTH 2 - 24" X 12"

INTERSTATE 40 18 2 - 24" X 24"

↙ ↑ 2 - 21" X 15"

TWO 'U' POSTS

QUANTITY REQ'D 2

MILE 105 12" X 48" D10-3

ONE 'U' POST PER SIGN

505

EAST SOUTH 2 - 24" X 12"

INTERSTATE 40 18 2 - 24" X 24"

↙ ↑ 2 - 21" X 15"

TWO 'U' POSTS

511

WEST 1 - 24" X 12"

INTERSTATE 40 1 - 24" X 24"

← 1 - 21" X 15"

TWO 'U' POSTS
MOUNT BELOW SIGN 309

506

EAST 1 - 24" X 12"

INTERSTATE 40 1 - 24" X 24"

← 1 - 21" X 15"

TWO 'U' POSTS
MOUNT BELOW SIGN 311

512

NORTH 1 - 24" X 12"

18 1 - 24" X 24"

ONE 'U' POST

507

SOUTH 1 - 24" X 12"

18 1 - 24" X 24"

ONE 'U' POST

514
515

SOUTH NORTH 2 - 24" X 12"

18 18 2 - 24" X 24"

← → 2 - 21" X 15"

TWO 'U' POSTS
MOUNT BELOW SIGNS 306 & 307

TYPE "F" SIGNS

04-MAR-2011 08:10 C:\p1\cadd\signing\Layout Plans\U-2550B_Sgn.L-4.dgn chbeard



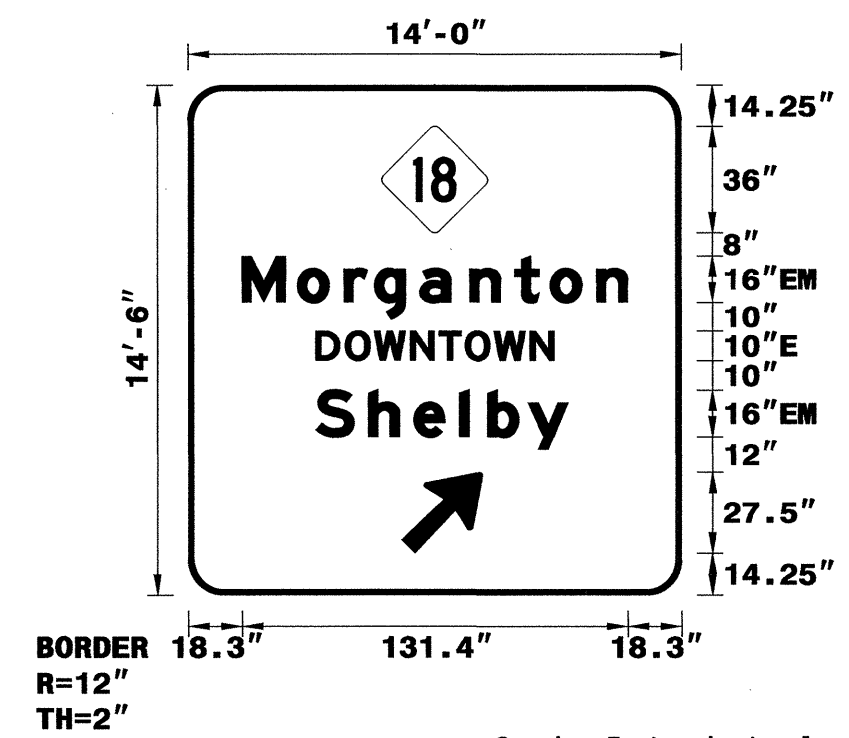
SIGN NUMBER: 101B, 102B
TYPE: A
QUANTITY: 2
SIGN WIDTH: 14'-0"
HEIGHT: 14'-6"
TOTAL AREA: 203.0 Sq.-Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 5
LENGTH: 160.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1-5-2-36-15C	66	123.7	36	36
ARMED	72.7	14.3	22.4	35.3

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: DHB
PROJECT ID: U-2550B
CHECKED BY: DIV: 13
DATE: Feb 23, 2011



- USE NOTES:
- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 - Background shall be Grade C reflective sheeting.
 - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	131.4
E 2000	81.1
EM 2000	85.9

FILENAME: U-2550B Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

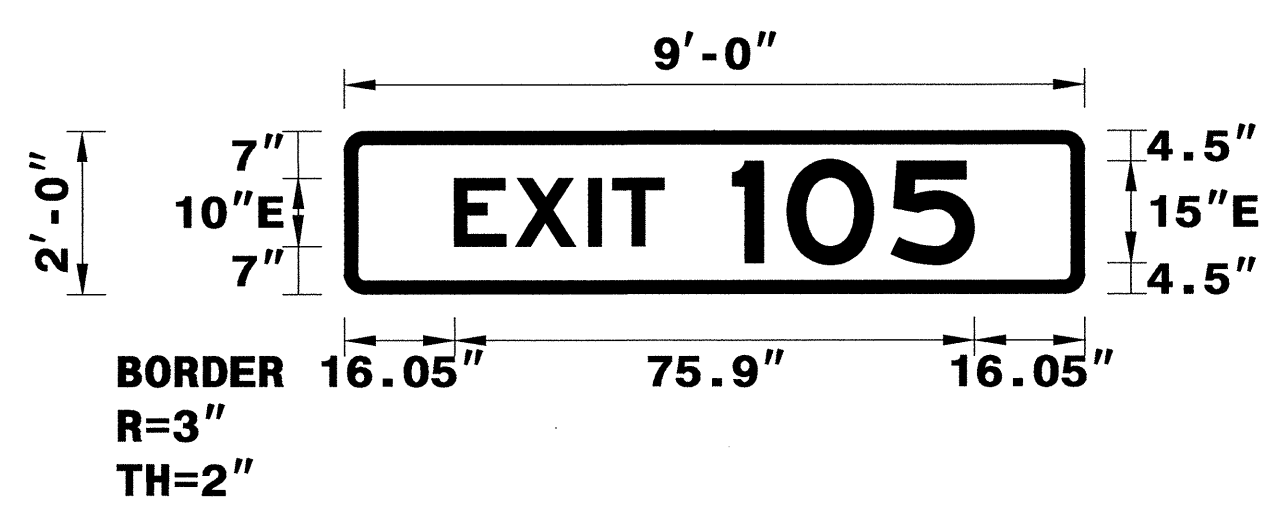
SIGN NUMBER: 101A, 102A
TYPE: B
QUANTITY: 2
SIGN WIDTH: 9'-0"
HEIGHT: 2'-0"
TOTAL AREA: 18.0 Sq.-Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 3"
NO. Z BARS: 2
LENGTH: 100.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: DHB
PROJECT ID: U-2550B
CHECKED BY: DIV: 13
DATE: Feb 22, 2011



- USE NOTES: 1,2
- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 - Background shall be Grade C reflective sheeting.
 - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	75.9

FILENAME: U-2550B Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

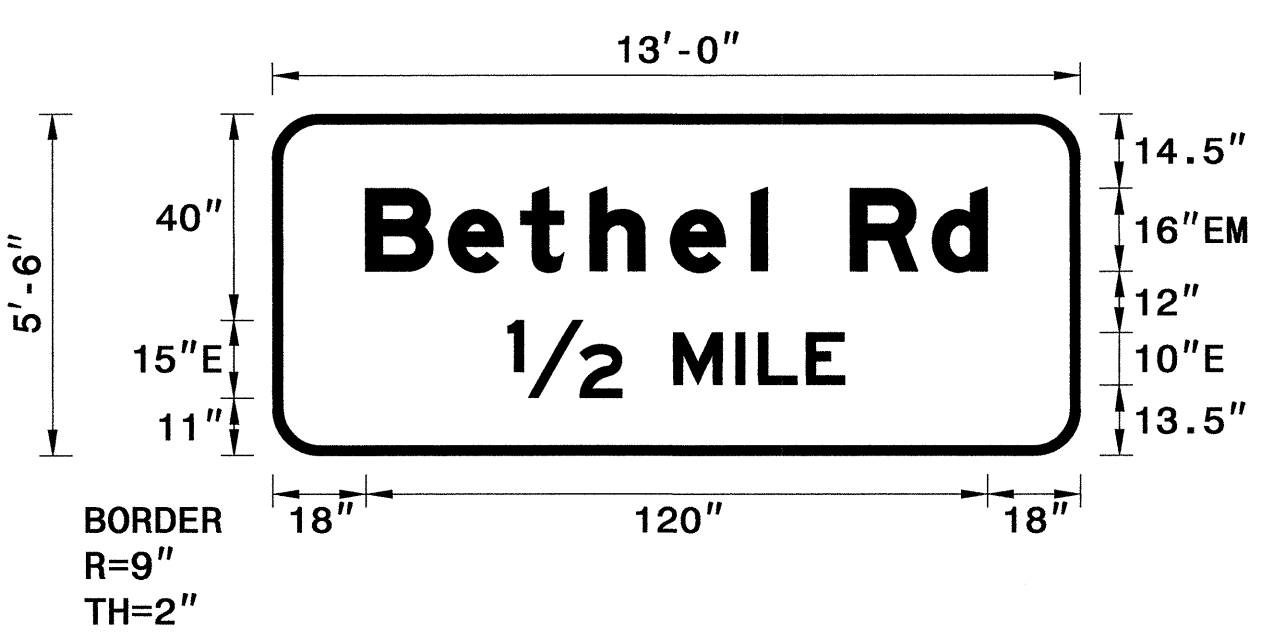
SIGN NUMBER: 103B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 13'-0"
HEIGHT: 5'-6"
TOTAL AREA: 71.5 Sq.-Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"
NO. Z BARS: 2
LENGTH: 148.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: DHB
PROJECT ID: U-2550B
CHECKED BY: DIV: 13
DATE: Feb 23, 2011



- USE NOTES:
- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 - Background shall be Grade C reflective sheeting.
 - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	120
E 2000	65.1

FILENAME: U-2550B Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

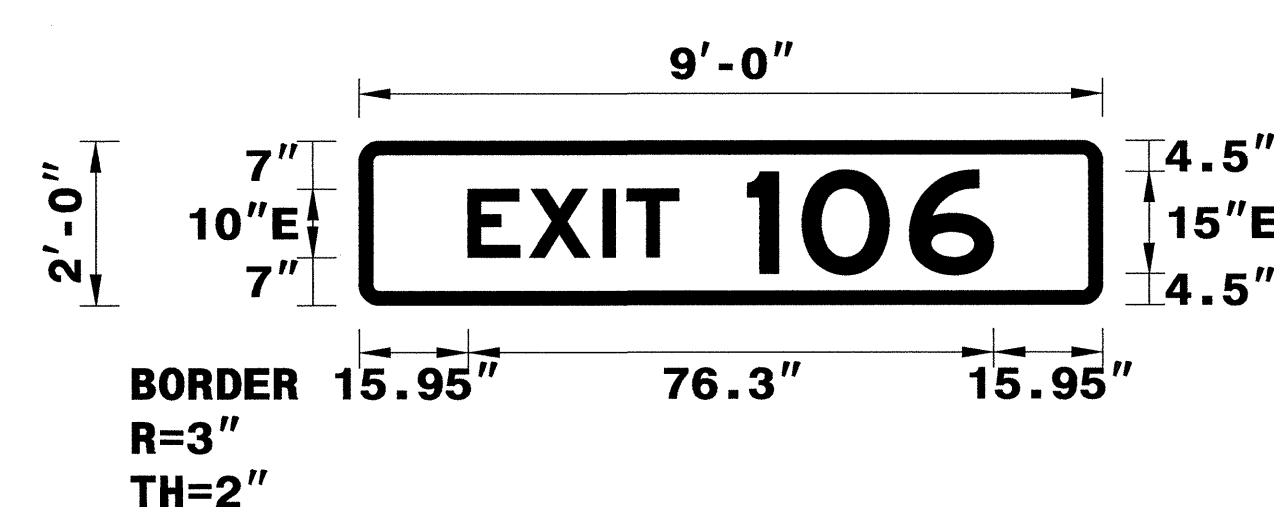
SIGN NUMBER: 103A
TYPE: B
QUANTITY: 1
SIGN WIDTH: 9'-0"
HEIGHT: 2'-0"
TOTAL AREA: 18.0 Sq.-Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 3"
NO. Z BARS: 2
LENGTH: 100.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: DHB
PROJECT ID: U-2550B
CHECKED BY: DIV: 13
DATE: Feb 22, 2011



- USE NOTES: 1,2
- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 - Background shall be Grade C reflective sheeting.
 - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

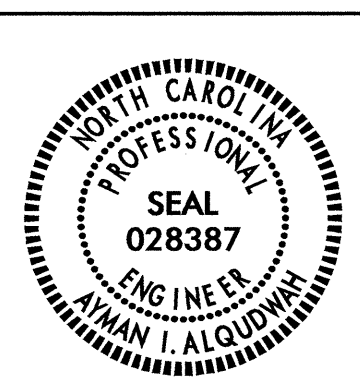
Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	76.3

FILENAME: U-2550B Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

D:\MAPS\2010\Bill\cadd\CADD\Signing Layout Plans\U-2550B-Sgn_SGN1-4.dgn

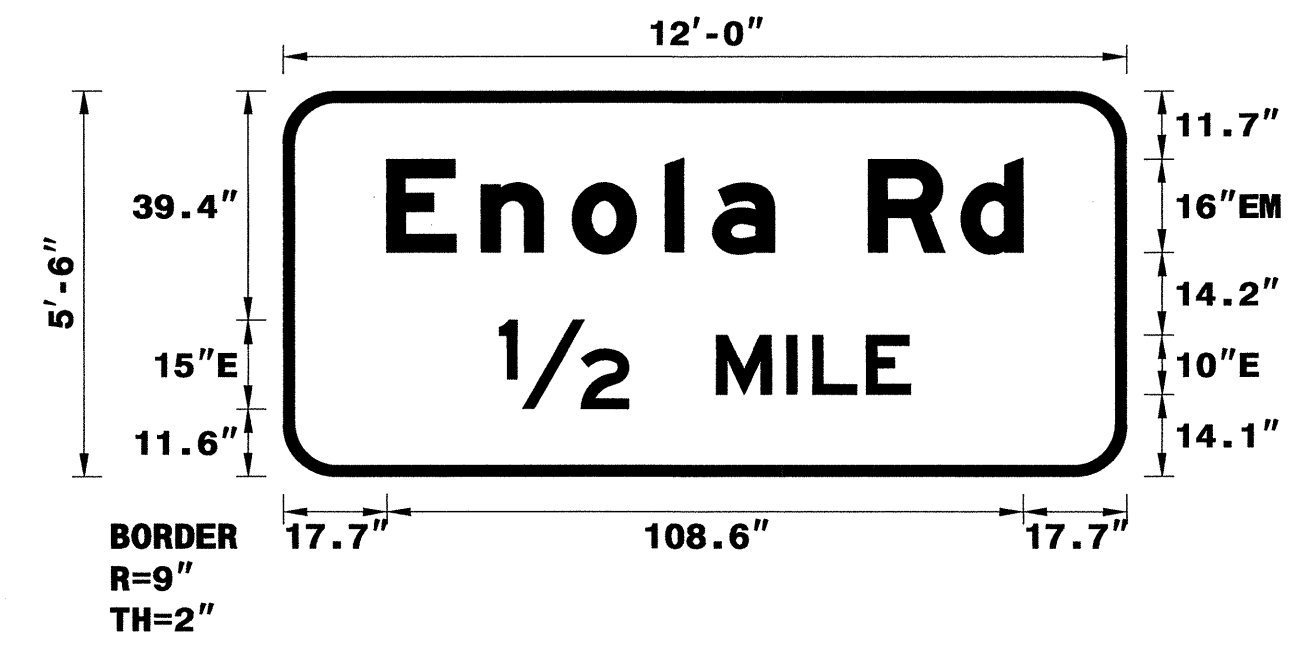
TIP NO. U-2550B	SHEET NO. SIGN-4A
APPROVED: <i>[Signature]</i>	
DATE: 3-7-11	
SEAL	



SIGN NUMBER: 104B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 12'-0"
HEIGHT: 5'-6"
TOTAL AREA: 66.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 9"
NO. Z BARS: 2
LENGTH: 136.0

SYMBOL	X	Y	WID	HT

DESIGN BY: DHB
PROJECT ID: U-2550B
CHECKED BY:
DIV: 13
DATE: Feb 22, 2011



USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

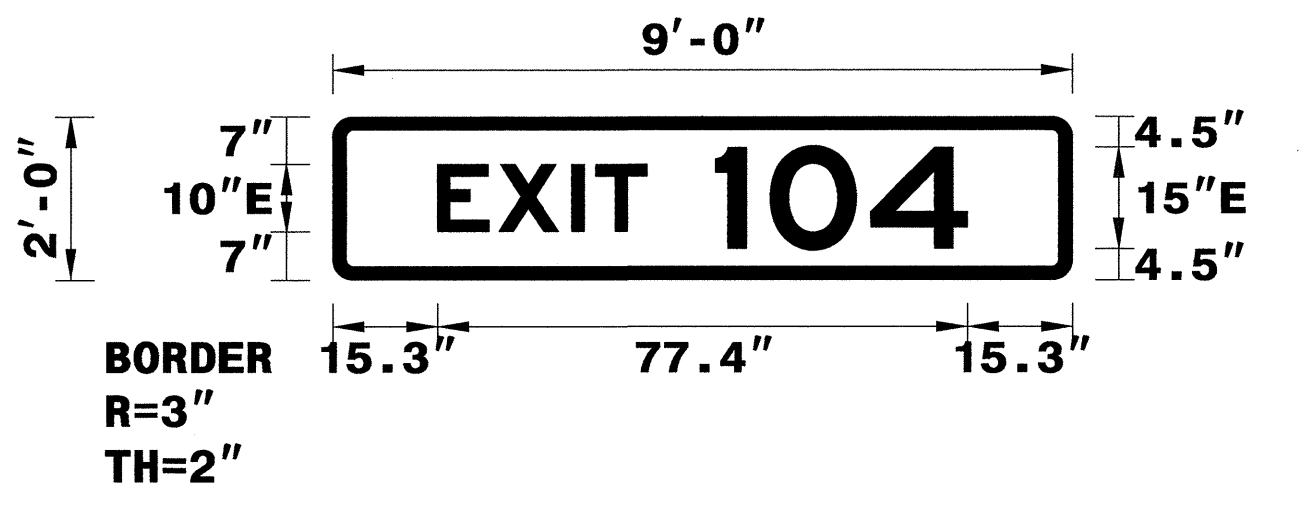
Series/Size	Text Length
E N O L A R D	EM 2000
17.7 16.2 15.5 15.8 8.2 10.6 16 15.8 10.6 17.7	108.6
1/2 M I L E	E 2000
37 22 15 12 4.4 9.2 7.5 37	70.1

FILENAME: U-2550B Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 104A
TYPE: B
QUANTITY: 1
SIGN WIDTH: 9'-0"
HEIGHT: 2'-0"
TOTAL AREA: 18.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 3"
NO. Z BARS: 2
LENGTH: 100.0

SYMBOL	X	Y	WID	HT

DESIGN BY: DHB
PROJECT ID: U-2550B
CHECKED BY:
DIV: 13
DATE: Feb 22, 2011



USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

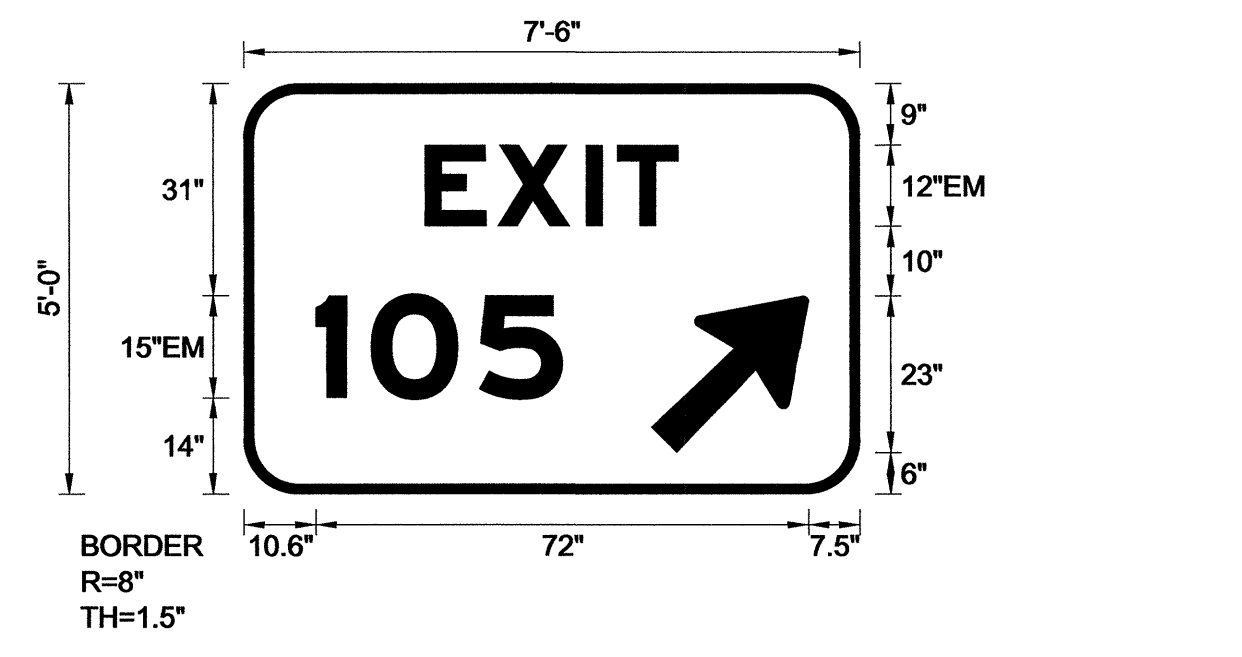
Series/Size	Text Length
E X I T 1 0 4	E 2000
15.3 8.9 10.7 3.5 7.5 10 7.9 14.7 14.1 15.3	77.4

FILENAME: U-2550B Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 201, 202
TYPE: A
QUANTITY: 2
SIGN WIDTH: 7'-6"
HEIGHT: 5'-0"
TOTAL AREA: 37.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADIUS: 8"
NO. Z BARS: 2
LENGTH: 82.0

SYMBOL	X	Y	WID	HT
ARMED	59.5	6	18.8	29.5

DESIGN BY: DHB
PROJECT ID: U-2550B
CHECKED BY:
DIV: 13
DATE: Feb 22, 2011



USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

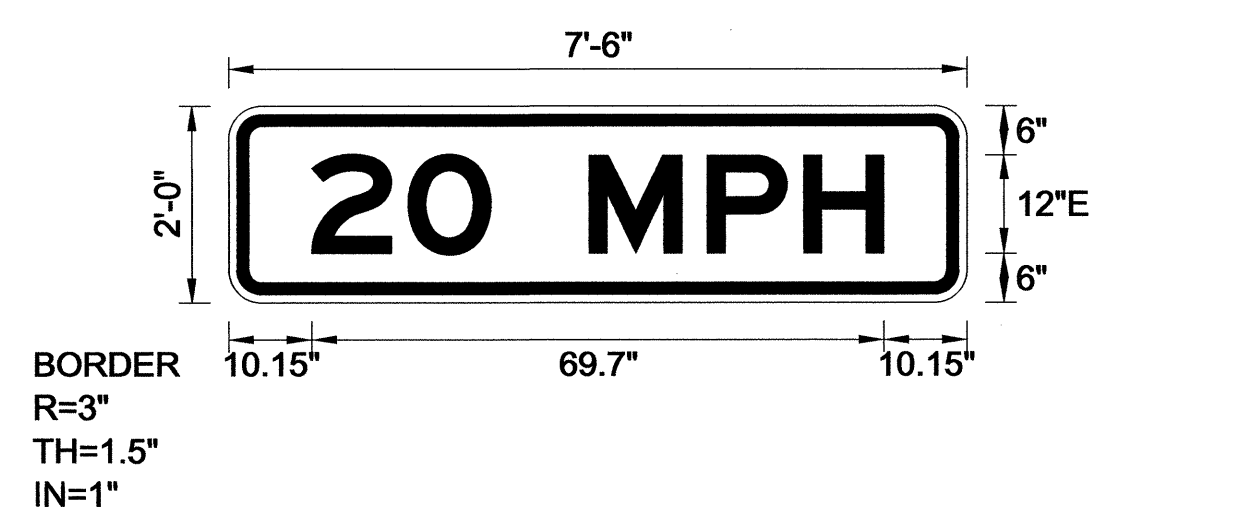
Series/Size	Text Length
E X I T	EM 2000
26.5 10.6 13 4.6 8.9 26.5	37
1 0 5	EM 2000
10.6 8.1 15.8 12.2 43.5	36

FILENAME: U-2550B Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 301
TYPE: D
QUANTITY: 1
SIGN WIDTH: 7'-6"
HEIGHT: 2'-0"
TOTAL AREA: 15.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 1"
WIDTH: 1.5"
RADIUS: 3"
NO. Z BARS:
LENGTH:

SYMBOL	X	Y	WID	HT

DESIGN BY: DHB
PROJECT ID: U-2550B
CHECKED BY:
DIV: 13
DATE: Feb 22, 2011



USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
2 0 M P H	E 2000
10.1 11.8 10.1 12 14.4 11.8 9.7 10.1	69.7

FILENAME: U-2550B Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN DESIGNS

04-MAR-2011 08:28 C:\CADD\Signing Layout Plans\U-2550B_Sgn_SGN.L-4.dgn

SIGN NUMBER: 302, 303
TYPE: D
QUANTITY: 2
SIGN WIDTH: 8'-0"
HEIGHT: 3'-0"
TOTAL AREA: 24.0 Sq.Ft.

BACKG COLOR: Blue/Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	81.5	26.4	6	9
ARUP	70.9	8.8	6	9

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADIO: 6"

NO. Z BARS: 1
LENGTH: 6"

DESIGN BY: DHB
PROJECT ID: U-2550B
CHECKED BY: DIV: 13
DATE: Mar 07, 2011

USE NOTES: 1,2

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size Text Length	
G	r	a	c	e	H	o	s	p	i	t	a	l				EM 2000
5.5	6.7	3.9	5.8	5.3	4	6	6.4	5.3	5.8	5.8	3	4.5	6.4	1.2	20.5	70
B	r	o	u	g	h	t	o	n								EM 2000
16.1	6.5	3.9	5.9	5.8	6.4	5.8	4.5	5.9	4	31.1						48.7
H	o	s	p	i	t	a	l									EM 2000
21.3	6.4	5.3	5.8	5.8	3	4.5	6.4	1.2	36.3							38.3

FILENAME: U-2550B Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 304, 305
TYPE: D
QUANTITY: 2
SIGN WIDTH: 8'-0"
HEIGHT: 3'-0"
TOTAL AREA: 24.0 Sq.Ft.

BACKG COLOR: Brown/Brown
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	14.6	15.9	6	9
ARUP	80.2	3.6	6	9

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADIO: 6"

NO. Z BARS: 1
LENGTH: 6"

DESIGN BY: DHB
PROJECT ID: U-2250B
CHECKED BY: DIV: 13
DATE: Mar 07, 2011

USE NOTES: 1,2

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size Text Length		
S	o	u	t	h	M	o	u	n	t	a	i	n	s			EM 2000	
6.9	6.2	5.9	5.8	5	4	6	7.1	5.9	6.4	5.8	4.5	6.4	3.6	5.7	4	6.9	82.1
S	t	a	t	e	P	a	r	k								EM 2000	
30	6.1	4.5	5.8	4.5	4	6	5.8	6.4	4.4	4	14.6					51.4	
L	i	n	v	i	l	l	e	G	o	r	g	e				EM 2000	
6.8	5.8	3.6	5.7	6.4	3.6	3.6	3.1	4	6	6.1	5.9	3.9	5.8	4	21.8	67.4	

FILENAME: U-2550B Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER 306, 307
TYPE: D
QUANTITY: 2
SIGN WIDTH: 8'-0"
HEIGHT: 3'-0"
TOTAL AREA: 24.0 Sq.Ft.

BACKG COLOR: Green/Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	16.5	22.8	8	12
ARUP	76	5.3	8	12

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

NO. Z BARS: 1
LENGTH: 6"

DESIGN BY: none
PROJECT ID: ID
CHECKED BY: DIV: DIV
DATE: Mar 07, 2011

USE NOTES: 1,2

- Legend and border(except those that are colored black) shall be direct applied Grade B sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 0.8 for "Morganton"

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size Text Length	
S	h	e	l	b	y											EM 2000
36.5	9	7.8	7.8	4.8	6.9	6.8	16.5									43
M	o	r	g	a	n	t	o	n								EM 2000
8	9	7.4	5	7.3	7.8	7.2	5.6	7.4	5.3	26						62.1

FILENAME: U-2550B Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 308
TYPE: D
QUANTITY: 1
SIGN WIDTH: 6'-6"
HEIGHT: 3'-0"
TOTAL AREA: 19.5 Sq.Ft.

BACKG COLOR: Green/Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	7.1	19.8	8	12
ARUP	57.6	4.3	8	12

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

NO. Z BARS: 1
LENGTH: 6"

DESIGN BY: DHB
PROJECT ID: U-2550B
CHECKED BY: DIV: 13
DATE: Mar 07, 2011

USE NOTES: 1,2

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

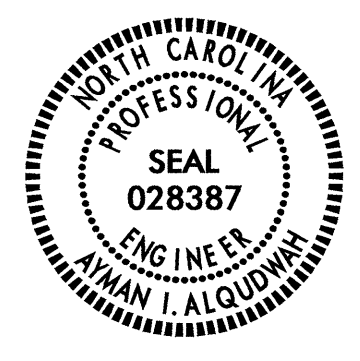
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

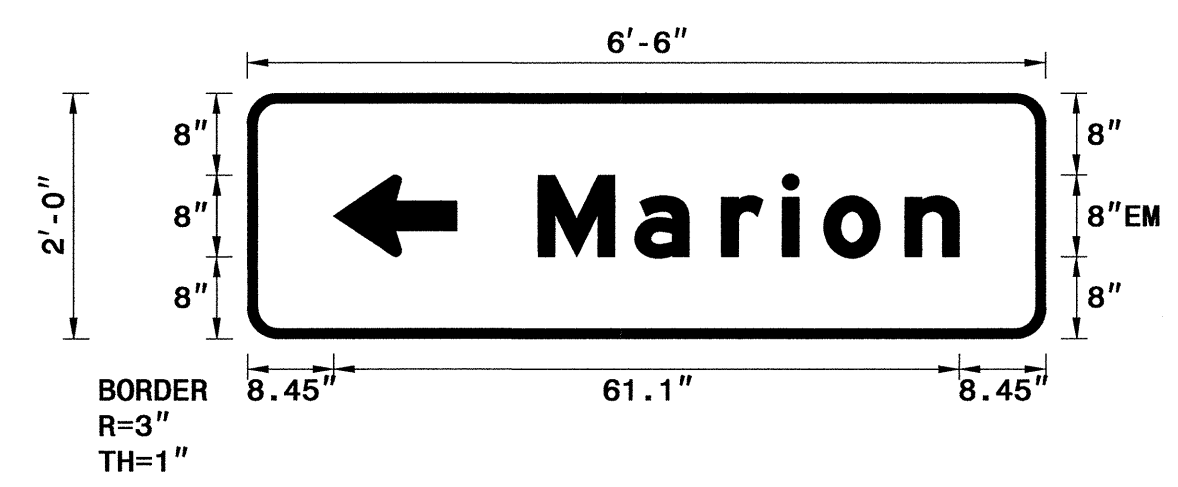
Letter spacings are to start of next letter															Series/Size Text Length	
H	i	c	k	o	r	y										EM 2000
23.1	9.2	4.1	7.8	7	7.9	5	6.8	7.1								47.8
M	a	r	i	o	n											EM 2000
8.4	9.4	8.5	5.9	4.1	7.9	5.3	28.4									41.1

FILENAME: U-2550B Sign Designs
NORTH CAROLINA D.O.T. SIGN DETAIL

D:\MAPS\2011\345\345.dwg
3/7/11 10:45
3/7/11 10:45
3/7/11 10:45

TIP NO. U-2550B	SHEET NO. SIGN-4C
APPROVED: <i>Sydney [Signature]</i>	
DATE: 3-7-11	
SEAL	
	

SIGN NUMBER: 309 TYPE: D QUANTITY: 1 SIGN WIDTH: 6'-6" HEIGHT: 2'-0" TOTAL AREA: 13.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1" RADIUS: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT ARUP 8.4 8 8 12	DESIGN BY: DHB PROJECT ID: U-2550B CHECKED BY: DIV: 13 DATE: Mar 07, 2011
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USE NOTES: 1,2

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

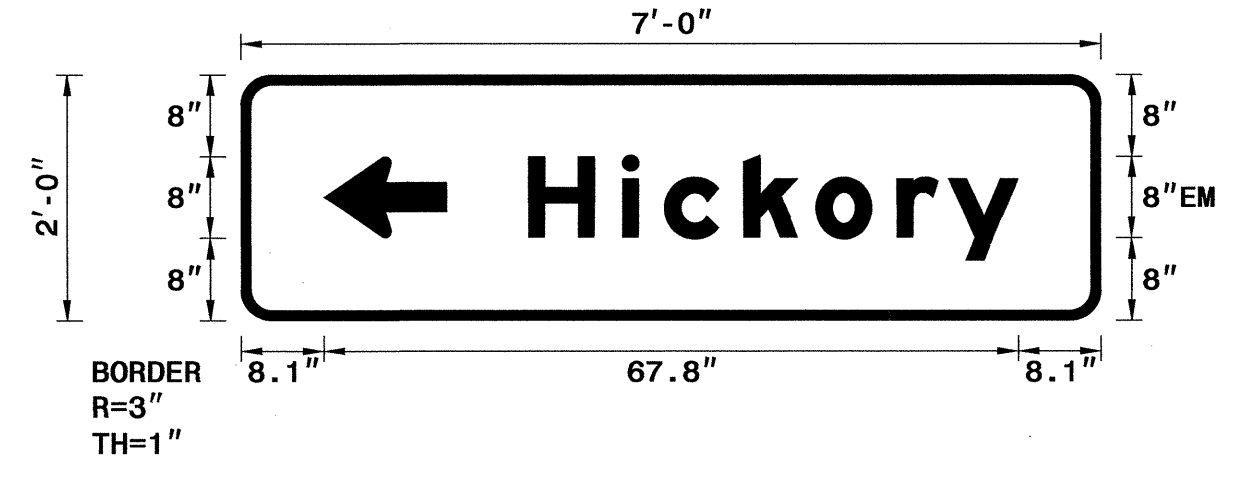
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size
M	a	r	i	o	n					Text Length
28.4	9.4	8.5	5.9	4.1	7.9	5.3	8.4			EM 2000
										41.1

FILENAME: U-2550B Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 311 TYPE: D QUANTITY: 1 SIGN WIDTH: 7'-0" HEIGHT: 2'-0" TOTAL AREA: 14.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1" RADIUS: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT ARUP 8.1 8 8 12	DESIGN BY: DHB PROJECT ID: U-2550B CHECKED BY: DIV: 13 DATE: Mar 07, 2011
--	---	---



USE NOTES: 1,2

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

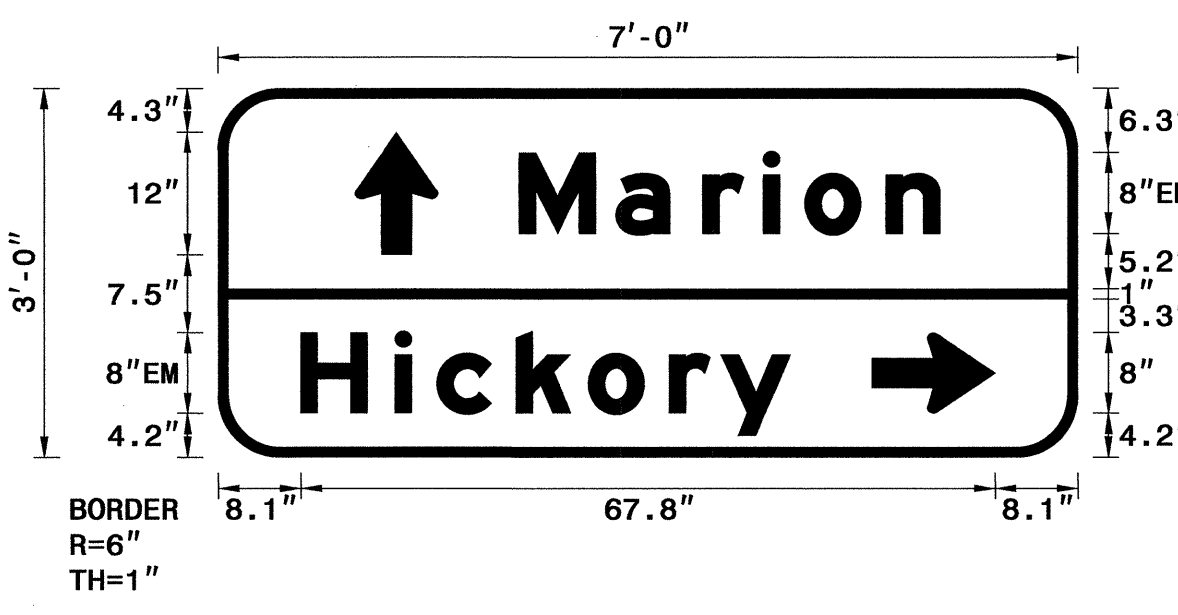
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size
H	i	c	k	o	r	y				Text Length
28.1	9.2	4.1	7.8	7	7.9	5	6.8	8.1	EM 2000	
										47.8

FILENAME: U-2550B Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 310 TYPE: D QUANTITY: 1 SIGN WIDTH: 7'-0" HEIGHT: 3'-0" TOTAL AREA: 21.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1" RADIUS: 6" NO. Z BARS: LENGTH:	BACKG COLOR: Green/Green COPY COLOR: White SYMBOL X Y WID HT ARUP 13.4 19.8 8 12 ARUP 63.9 4.2 8 12	DESIGN BY: DHB PROJECT ID: U-2550B CHECKED BY: DIV: 13 DATE: Mar 07, 2011
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USE NOTES: 1,2

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise


LETTER POSITIONS

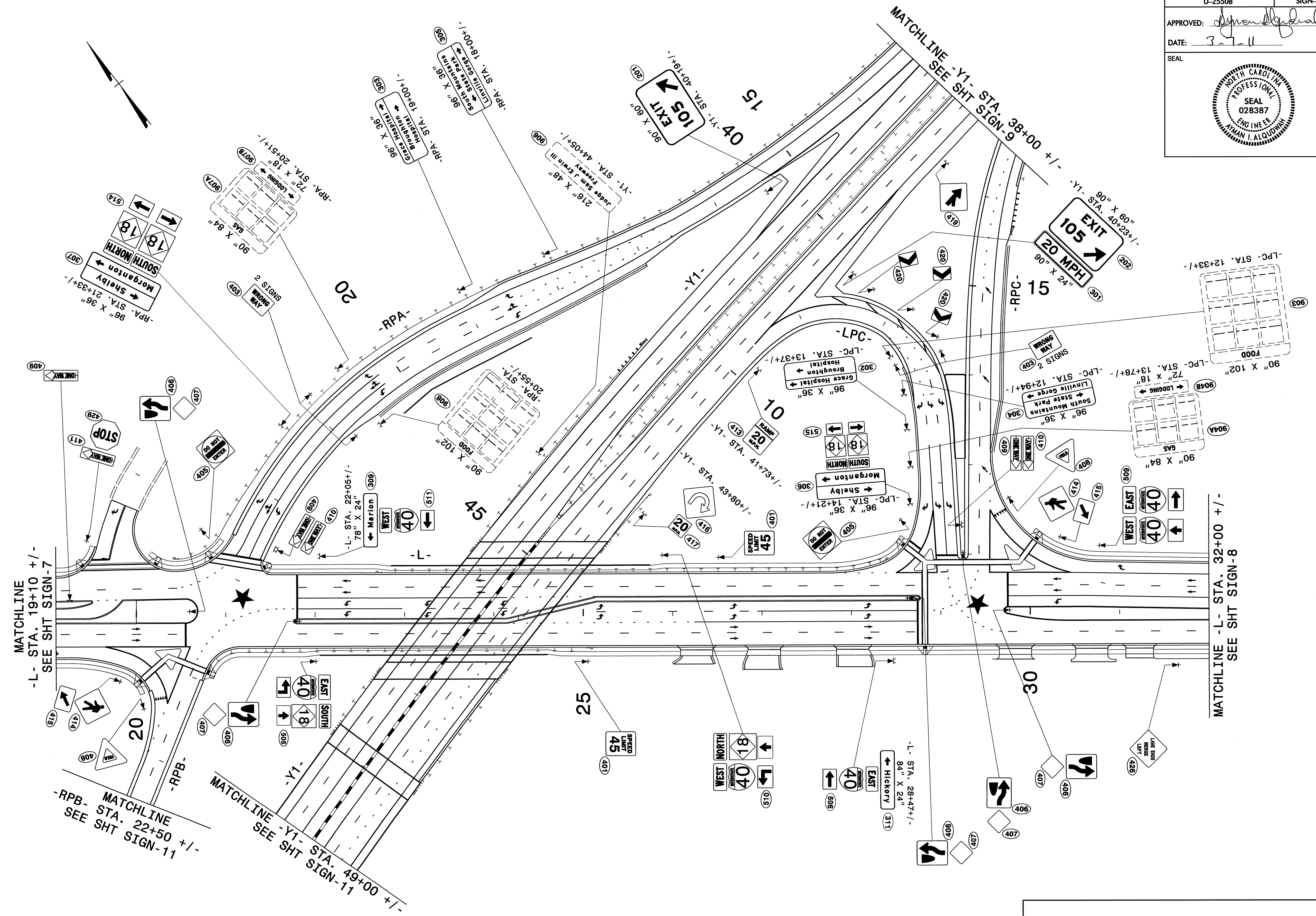
Letter spacings are to start of next letter										Series/Size
M	a	r	i	o	n					Text Length
29.4	9.4	8.5	5.9	4.1	7.9	5.3	13.4			EM 2000
										41.1
H	i	c	k	o	r	y				Text Length
8.1	9.2	4.1	7.8	7	7.9	5	6.8	28.1	EM 2000	
										47.8

FILENAME: U-2550B Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN DESIGNS

07-MAR-2011 13:46
 C:\Traffic Signs\Sign Layout Plans\U-2550B_Sgn_SGN.L-4.dgn
 Al 12/17/20

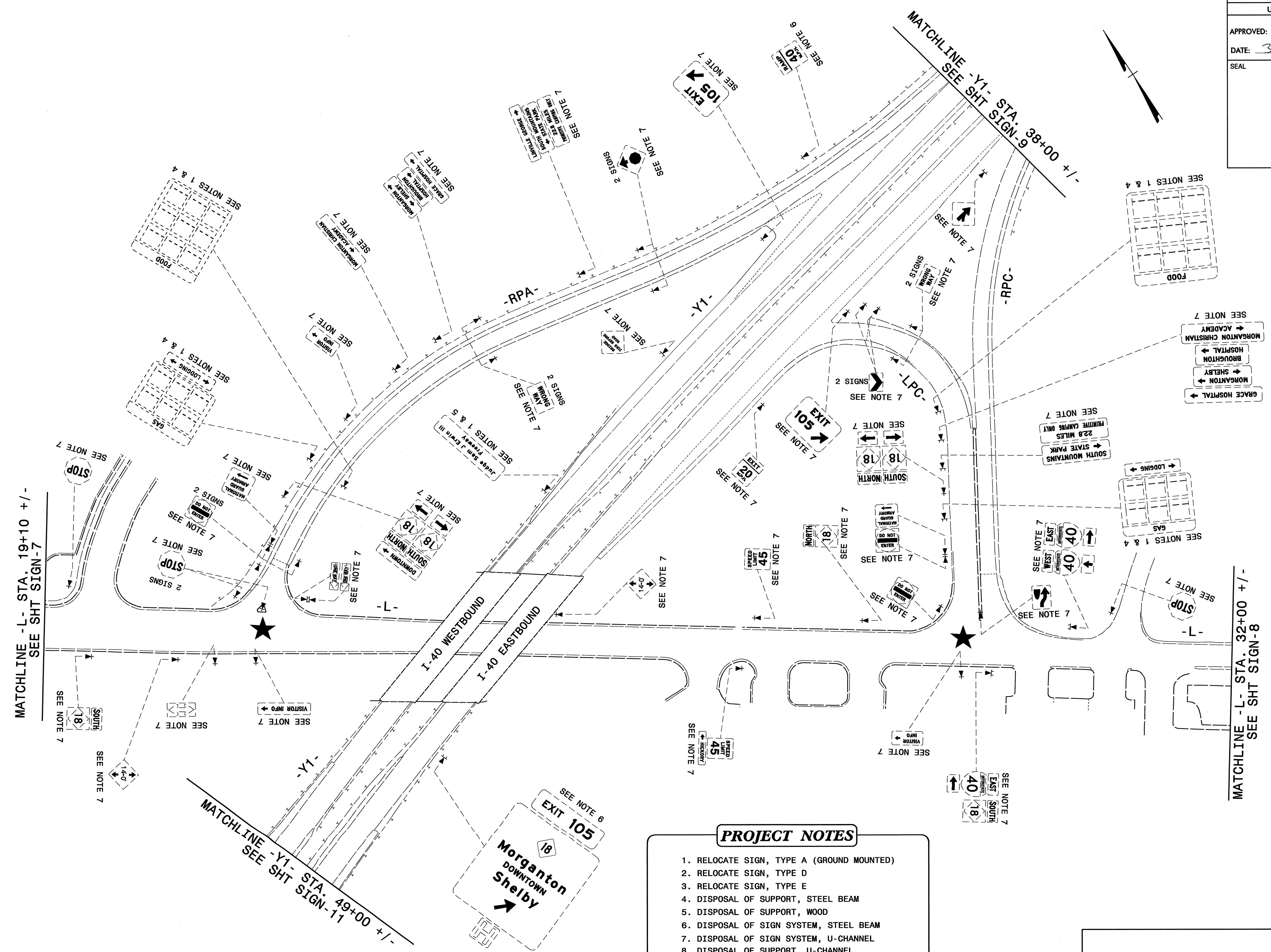
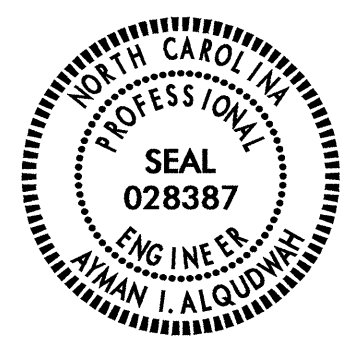
TIP NO. U-2550B	SHEET NO. SIGN-5
APPROVED: <i>[Signature]</i>	
DATE: 3-1-11	
SEAL	
	



PROPOSED SIGNS

D:\MAPS\2011\3455
 44\Traffic\Sign\2550B.dwg
 07-MAR-2011 13:55
 Sheppard A1 12:47:36

TIP NO.	SHEET NO.
U-2550B	SIGN-6
APPROVED: <i>[Signature]</i>	
DATE: 3-7-11	
SEAL	

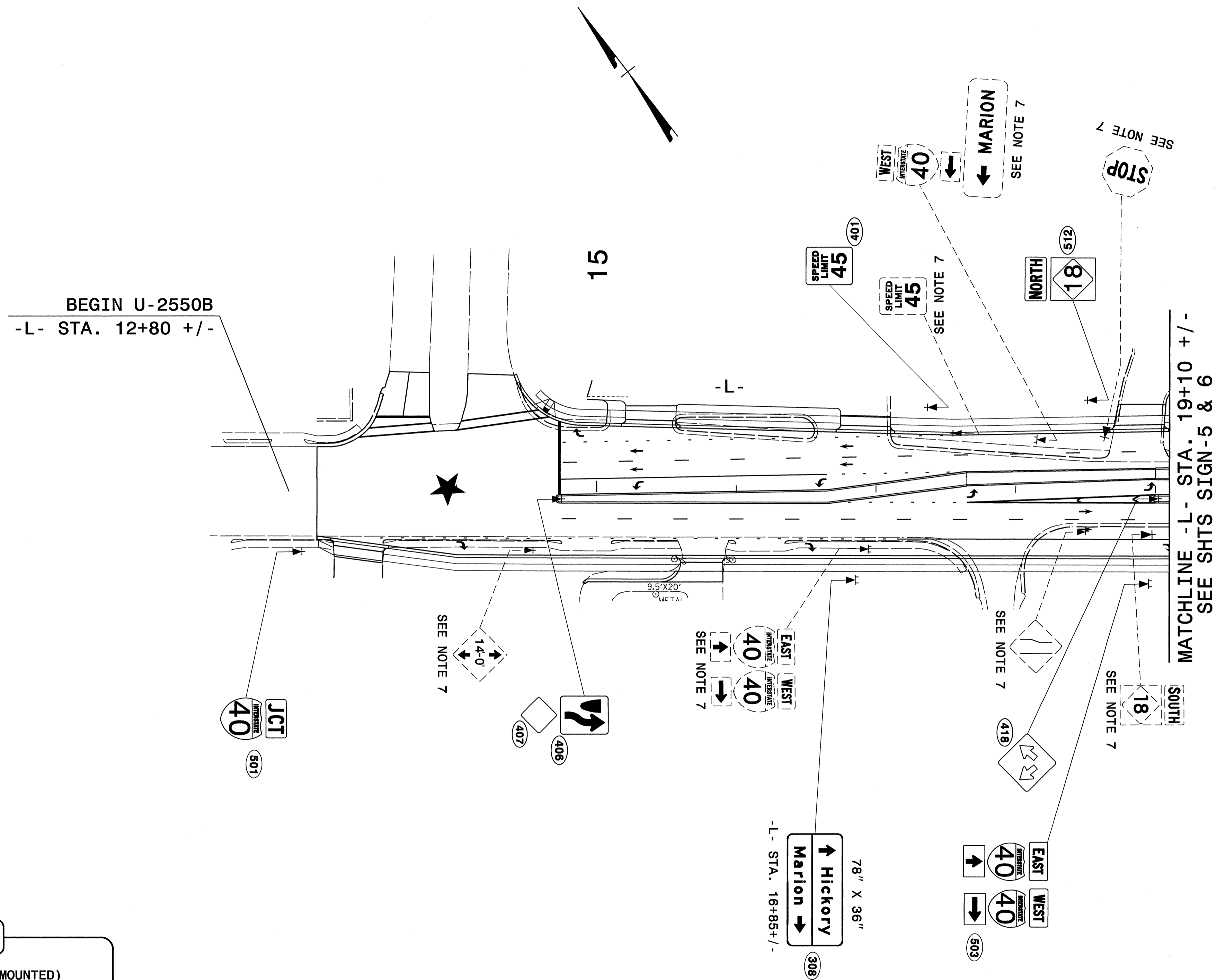


- PROJECT NOTES**
1. RELOCATE SIGN, TYPE A (GROUND MOUNTED)
 2. RELOCATE SIGN, TYPE D
 3. RELOCATE SIGN, TYPE E
 4. DISPOSAL OF SUPPORT, STEEL BEAM
 5. DISPOSAL OF SUPPORT, WOOD
 6. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
 7. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 8. DISPOSAL OF SUPPORT, U-CHANNEL

EXISTING SIGNS

04-MAR-2010 08:53
 C:\CADD\Signing Layout Plans\U-2550B_Sign_SGN.6.dgn
 chbeard

TIP NO. U-2550B	SHEET NO. SIGN-7
APPROVED: <i>[Signature]</i>	
DATE: 3-1-11	
SEAL	



BEGIN U-2550B
-L- STA. 12+80 +/-

MATCHLINE -L- STA. 19+10 +/-
SEE SHTS SIGN-5 & 6

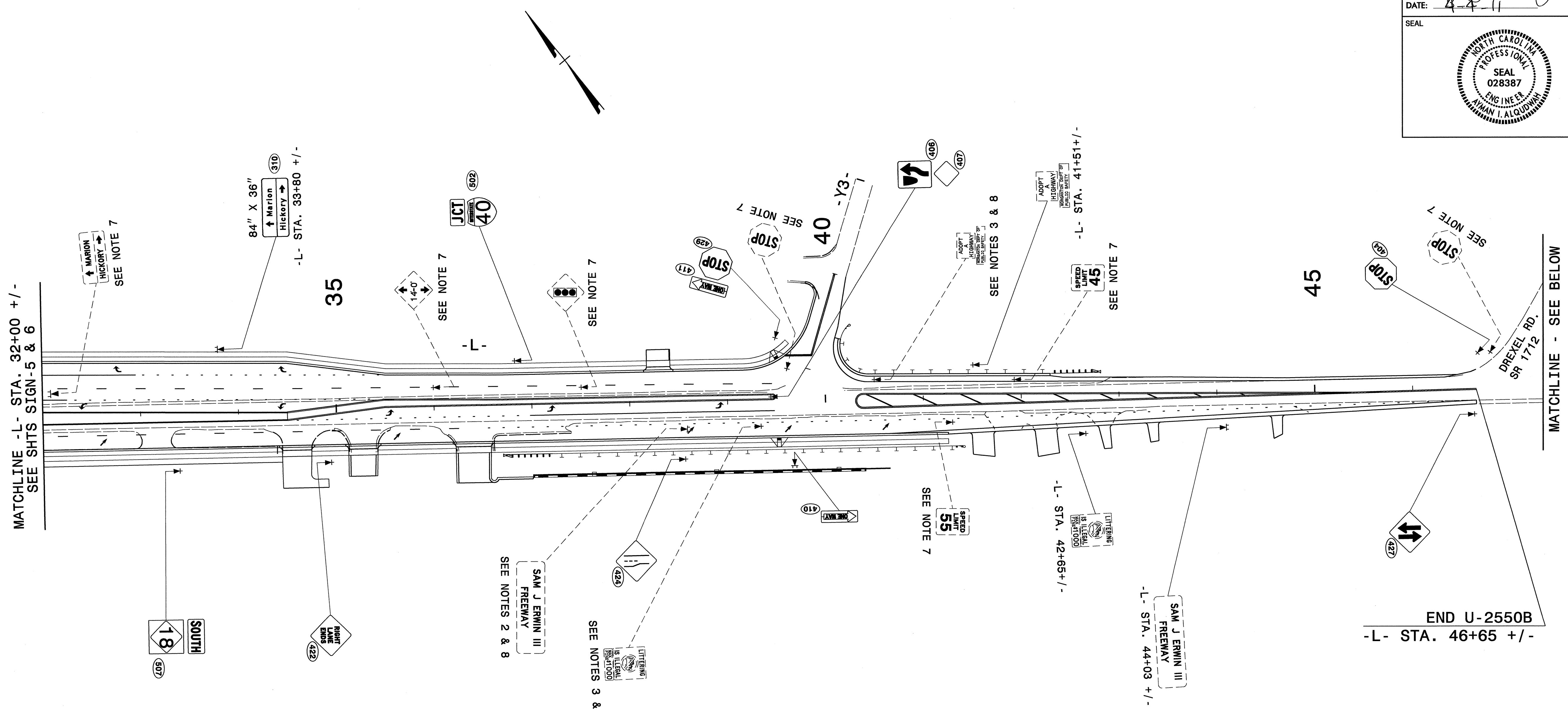
PROJECT NOTES

1. RELOCATE SIGN, TYPE A (GROUND MOUNTED)
2. RELOCATE SIGN, TYPE D
3. RELOCATE SIGN, TYPE E
4. DISPOSAL OF SUPPORT, STEEL BEAM
5. DISPOSAL OF SUPPORT, WOOD
6. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
7. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
8. DISPOSAL OF SUPPORT, U-CHANNEL

EXISTING AND PROPOSED SIGNS

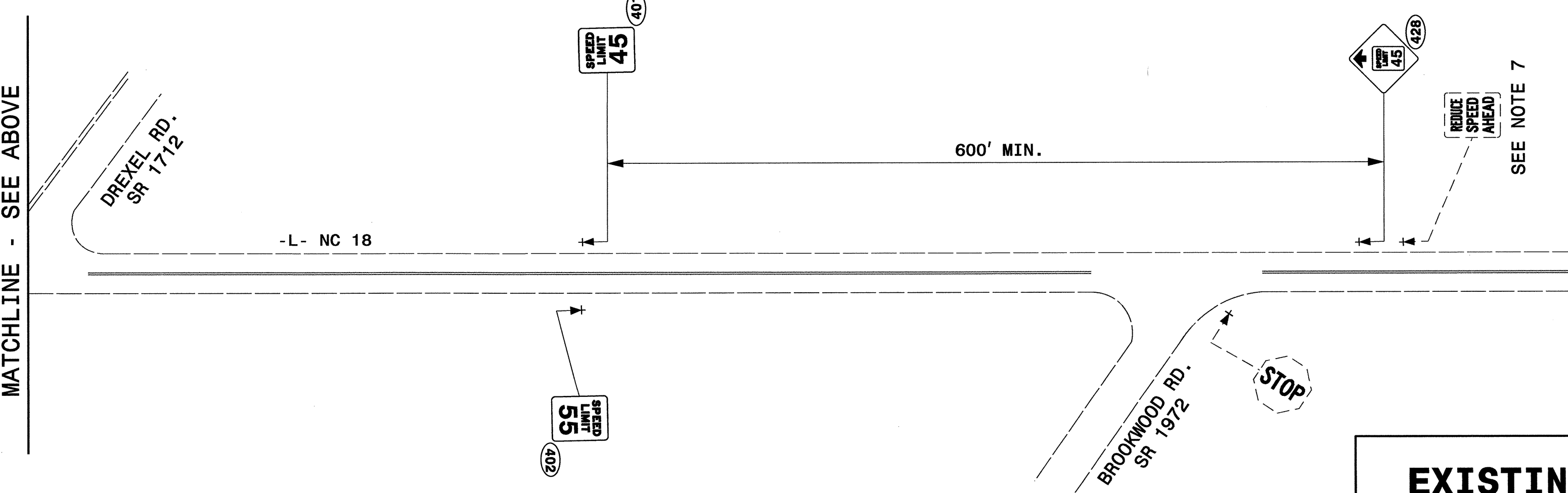
07-MAR-2011 13:55
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 11:12:47 AM

TIP NO. U-2550B	SHEET NO. SIGN-8
APPROVED: <i>[Signature]</i>	
DATE: 8-4-11	
SEAL	



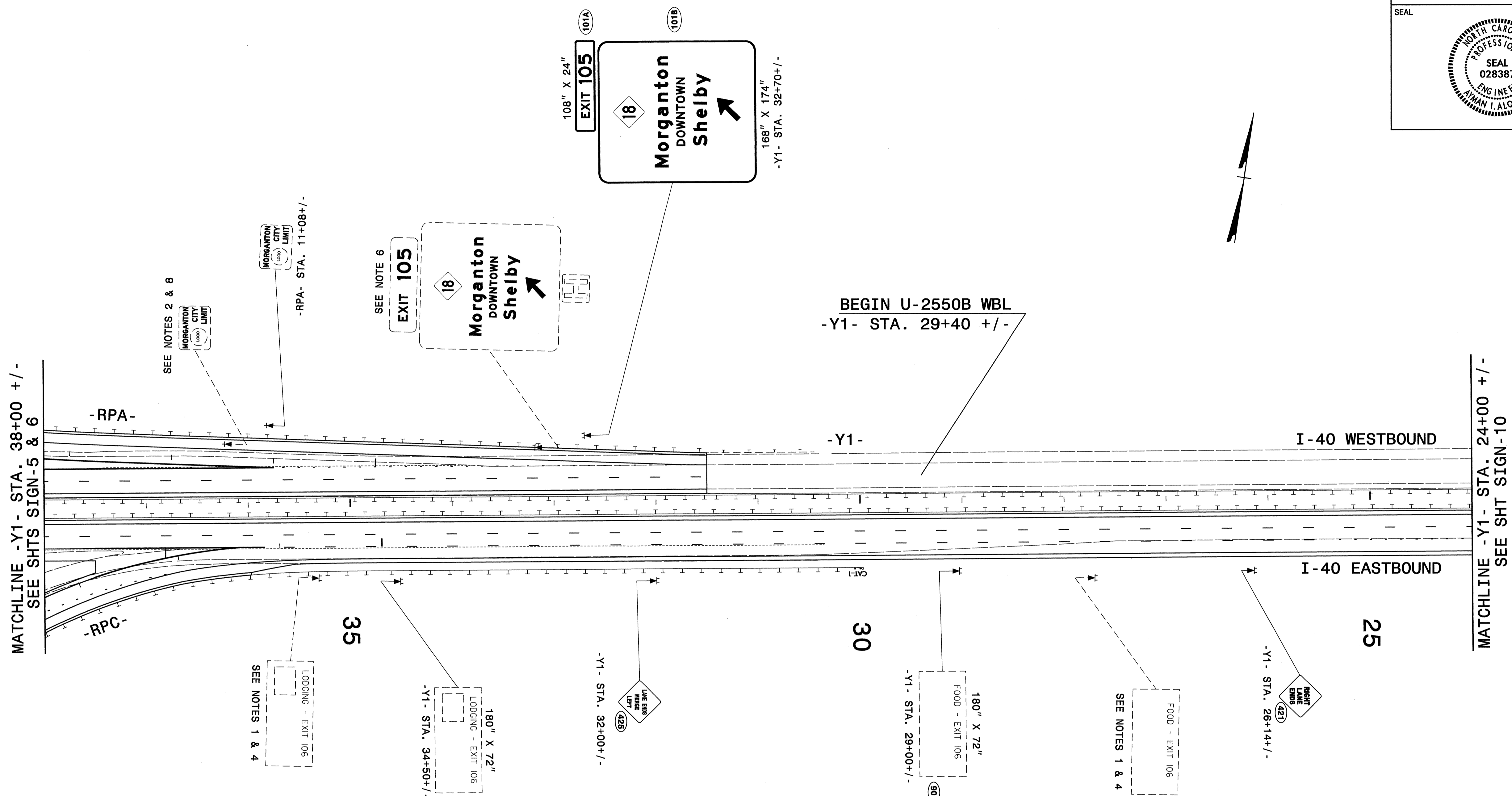
- PROJECT NOTES**
1. RELOCATE SIGN, TYPE A (GROUND MOUNTED)
 2. RELOCATE SIGN, TYPE D
 3. RELOCATE SIGN, TYPE E
 4. DISPOSAL OF SUPPORT, STEEL BEAM
 5. DISPOSAL OF SUPPORT, WOOD
 6. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
 7. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 8. DISPOSAL OF SUPPORT, U-CHANNEL

EXISTING AND PROPOSED SIGNS



01-APR-2010 09:42
C:\Users\jacob\Documents\Signing Layout Plans\U-2550B_Sgn_SGNL8.dgn
c:\users\jacob\Documents\Signing Layout Plans\U-2550B_Sgn_SGNL8.dgn

TIP NO. U-2550B	SHEET NO. SIGN-9
APPROVED: <i>[Signature]</i>	
DATE: 3-7-11	
SEAL	

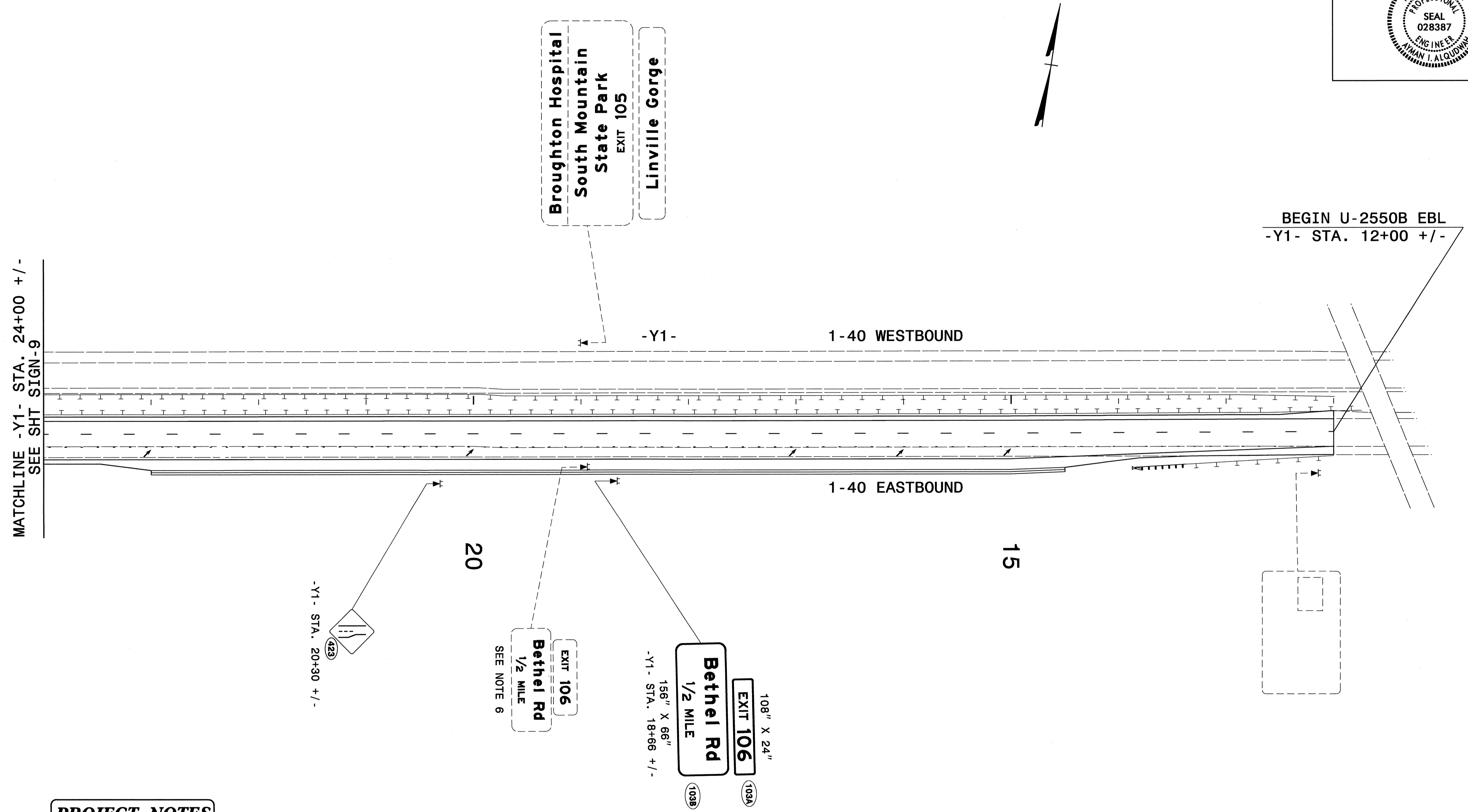


- PROJECT NOTES**
1. RELOCATE SIGN, TYPE A (GROUND MOUNTED)
 2. RELOCATE SIGN, TYPE D
 3. RELOCATE SIGN, TYPE E
 4. DISPOSAL OF SUPPORT, STEEL BEAM
 5. DISPOSAL OF SUPPORT, WOOD
 6. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
 7. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 8. DISPOSAL OF SUPPORT, U-CHANNEL

EXISTING AND PROPOSED SIGNS

04-MAR-2011 09:01
 C:\Users\shibeeid\Documents\Projects\U-2550B-Sgn_SGN_9.dgn
 shibeeid


TIP NO. U-2550B	SHEET NO. SIGN-10
APPROVED: <i>[Signature]</i>	
DATE: 3-7-11	
SEAL	

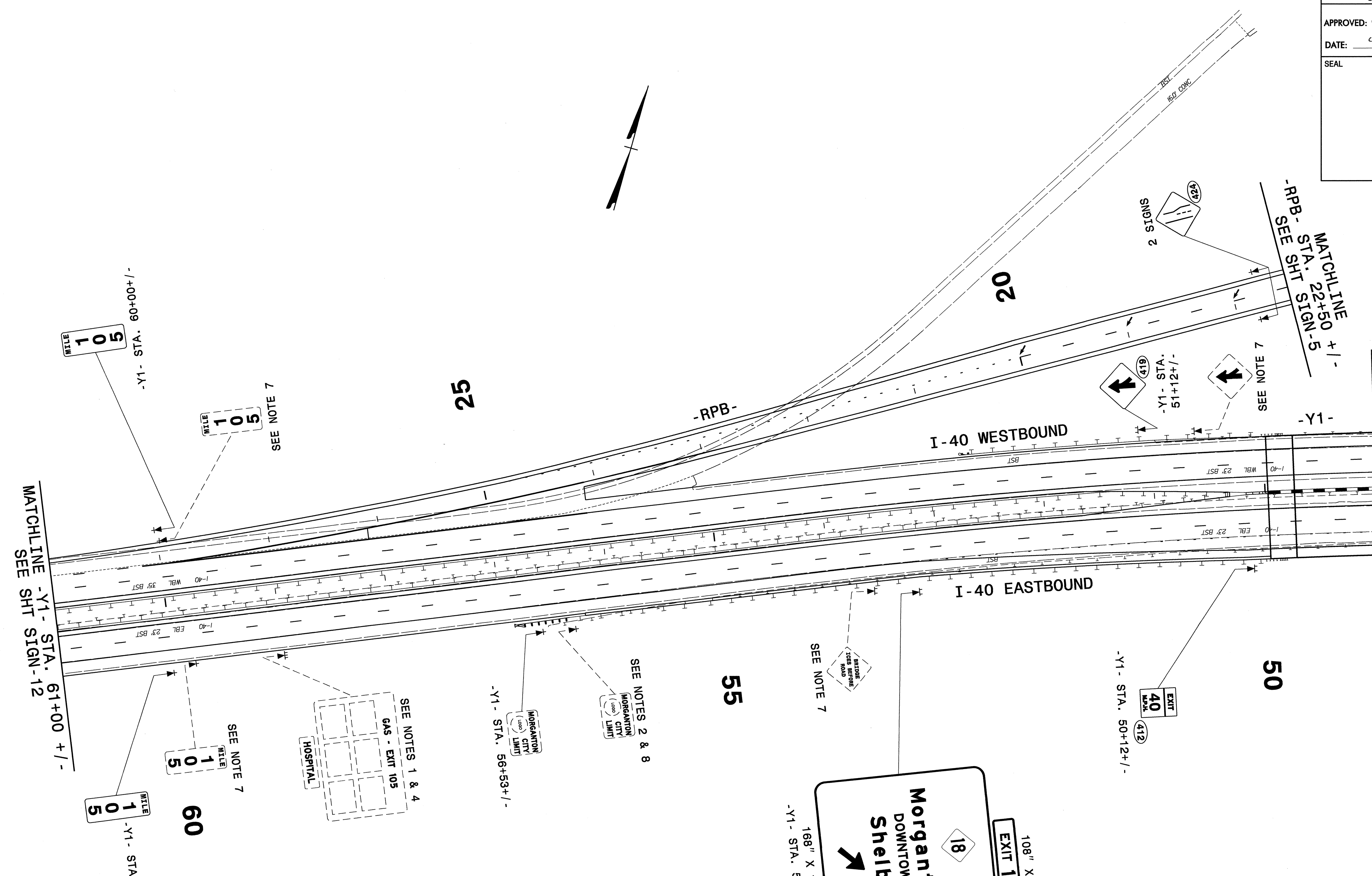


- PROJECT NOTES**
1. RELOCATE SIGN, TYPE A (GROUND MOUNTED)
 2. RELOCATE SIGN, TYPE D
 3. RELOCATE SIGN, TYPE E
 4. DISPOSAL OF SUPPORT, STEEL BEAM
 5. DISPOSAL OF SUPPORT, WOOD
 6. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
 7. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 8. DISPOSAL OF SUPPORT, U-CHANNEL

EXISTING AND PROPOSED SIGNS

04-MAR-2011 09:03
 C:\Users\cadd\Documents\CADD\Signting Layout Plans\U-2550B_Sgn_SGN_10.dgn
 c:\users\cadd\documents\cadd\signting layout plans\U-2550B_Sgn_SGN_10.dgn

TIP NO. U-2550B	SHEET NO. SIGN-11
APPROVED: <i>[Signature]</i>	
DATE: 5-5-11	
SEAL	
	

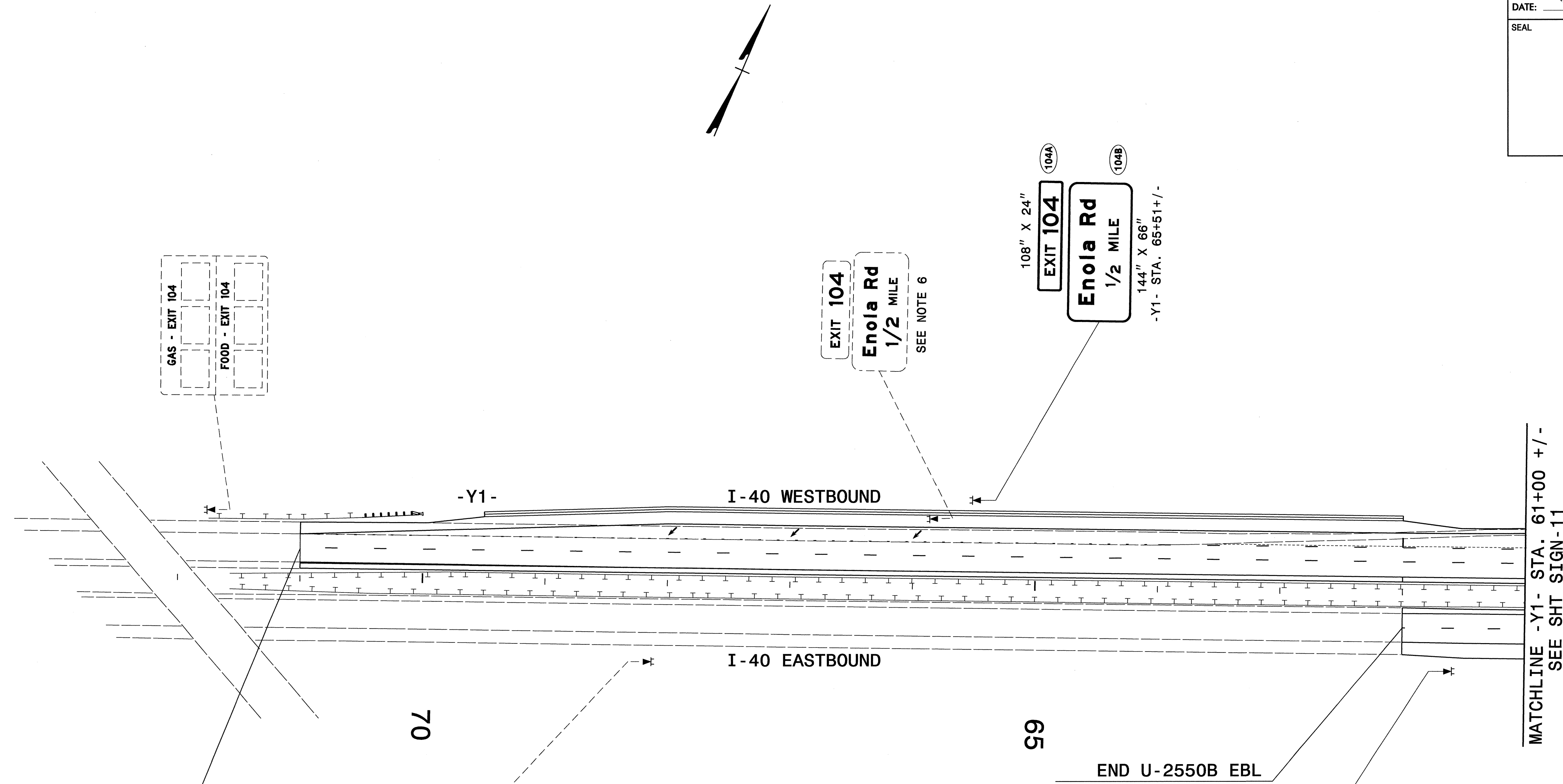


- PROJECT NOTES**
1. RELOCATE SIGN, TYPE A (GROUND MOUNTED)
 2. RELOCATE SIGN, TYPE D
 3. RELOCATE SIGN, TYPE E
 4. DISPOSAL OF SUPPORT, STEEL BEAM
 5. DISPOSAL OF SUPPORT, WOOD
 6. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
 7. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 8. DISPOSAL OF SUPPORT, U-CHANNEL

EXISTING AND PROPOSED SIGNS

05-MAY-2011 06:54
 C:\Users\chibbead\AppData\Local\Temp\19001294736\11.dgn
 chibbead

TIP NO. U-2550B	SHEET NO. SIGN-12
APPROVED: <i>[Signature]</i>	
DATE: 3-7-11	
SEAL	



PROJECT NOTES

1. RELOCATE SIGN, TYPE A (GROUND MOUNTED)
2. RELOCATE SIGN, TYPE D
3. RELOCATE SIGN, TYPE E
4. DISPOSAL OF SUPPORT, STEEL BEAM
5. DISPOSAL OF SUPPORT, WOOD
6. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
7. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
8. DISPOSAL OF SUPPORT, U-CHANNEL

EXISTING AND PROPOSED SIGNS

04-MAR-2011 09:05
 C:\Users\chbeard\Documents\Projects\U-2550B_Signs\SGN-12.dgn
 chbeard A11124736