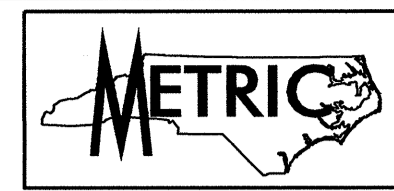


CONTRACT No.: C202837 T.I.P.: R-2554A

**STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION**



TIP NO. R-2554A	SHEET NO. SIGN-1
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	



**SIGNING PLAN
 WAYNE COUNTY**

LOCATION: GOLDSBORO BYPASS 70 FROM WEST OF NC 581 TO EAST OF SR 1300 (SALEM CHURGH ROAD)

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	19	C.M.
4057000000	SP	OVERHEAD FOOTING	23	C.M.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	4866	KG.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM	3061	KG.
4072000000	903	SUPPORTS, 4.5 kg STEEL U-CHANNEL	840	M
4078000000	903	SUPPORTS, 3 kg STEEL U-CHANNEL	22	EA.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "-L- 6+00 "	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "-L- 13+87 "	1	L.S.
4102000000	904	SIGN ERECTION, TYPE E	97	EA.
4108000000	904	SIGN ERECTION, TYPE F	26	EA.
4114000000	904	SIGN ERECTION, MILEMARKERS	22	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	18	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	2	EA.

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.

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
901.30	VHB TAPE CONSTRUCTION - FOR TYPE 'A' SIGNS
901.40	VHB TAPE CONSTRUCTION - FOR TYPE 'B' SIGNS
901.50	ARROWS AND SHIELDS
901.60	RIVET SPACING FOR OVERLAYED SIGNS
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
903.30	BARRIER SIGN SUPPORT ASSEMBLY
903.40	MEDIAN BARRIER SIGN SUPPORT AND ANCHORAGE
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.40	MILEPOST AND PLACEMENT
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
1264.01	OBJECT MARKERS
1264.02	PLACEMENT OF OBJECT MARKERS

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

A. ALQUDWAH, P.E. SIGNING & DELINEATION REGIONAL ENGINEER
 D. M. EATON SIGNING & DELINEATION DESIGN ENGINEER

INDEX

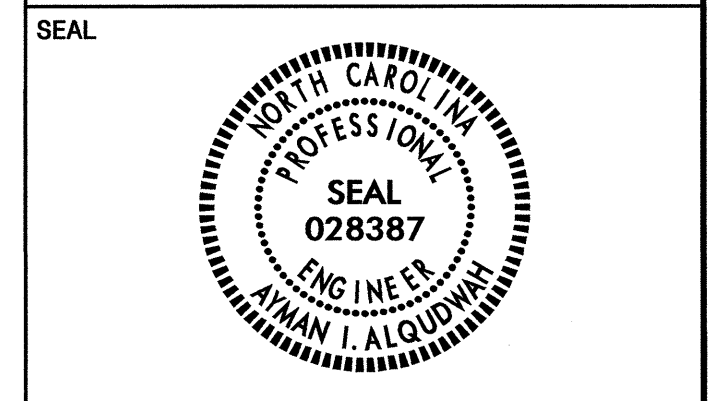
SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET, GENERAL NOTES & SUMMARY OF QUANTITIES
SIGN-2-2D	SUPPORT INFORMATION
SIGN-3-3A	E AND F SHEETS
SIGN-4-4H	OVERHEAD ASSEMBLY SHEETS, OVERHEAD SIGN DESIGNS AND GROUND MOUNTED SIGN DESIGNS
SIGN-5-14	SIGN DETAIL SHEETS

[Handwritten initials: DME, BPC]

TYPE "A" AND TYPE "B" GROUND MOUNTED SIGNS

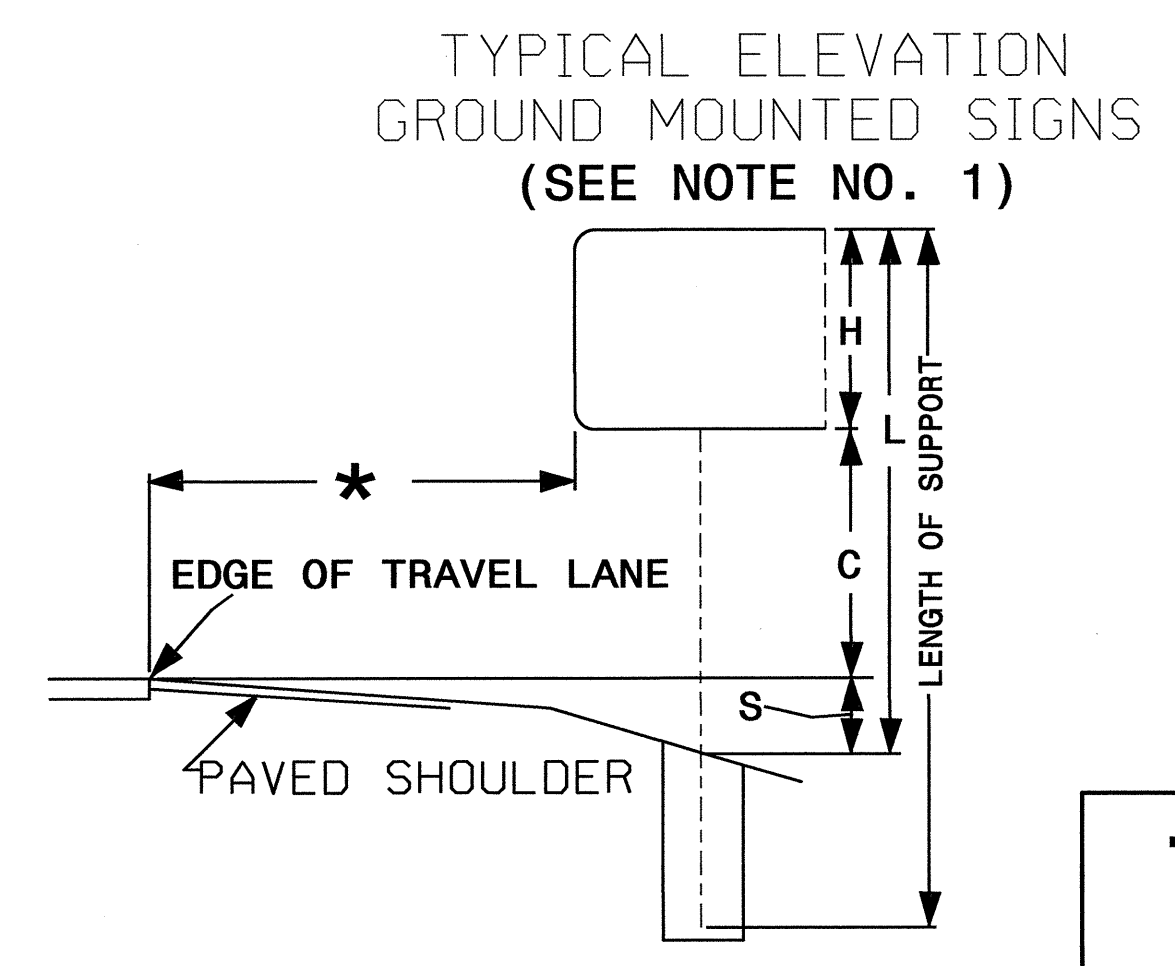
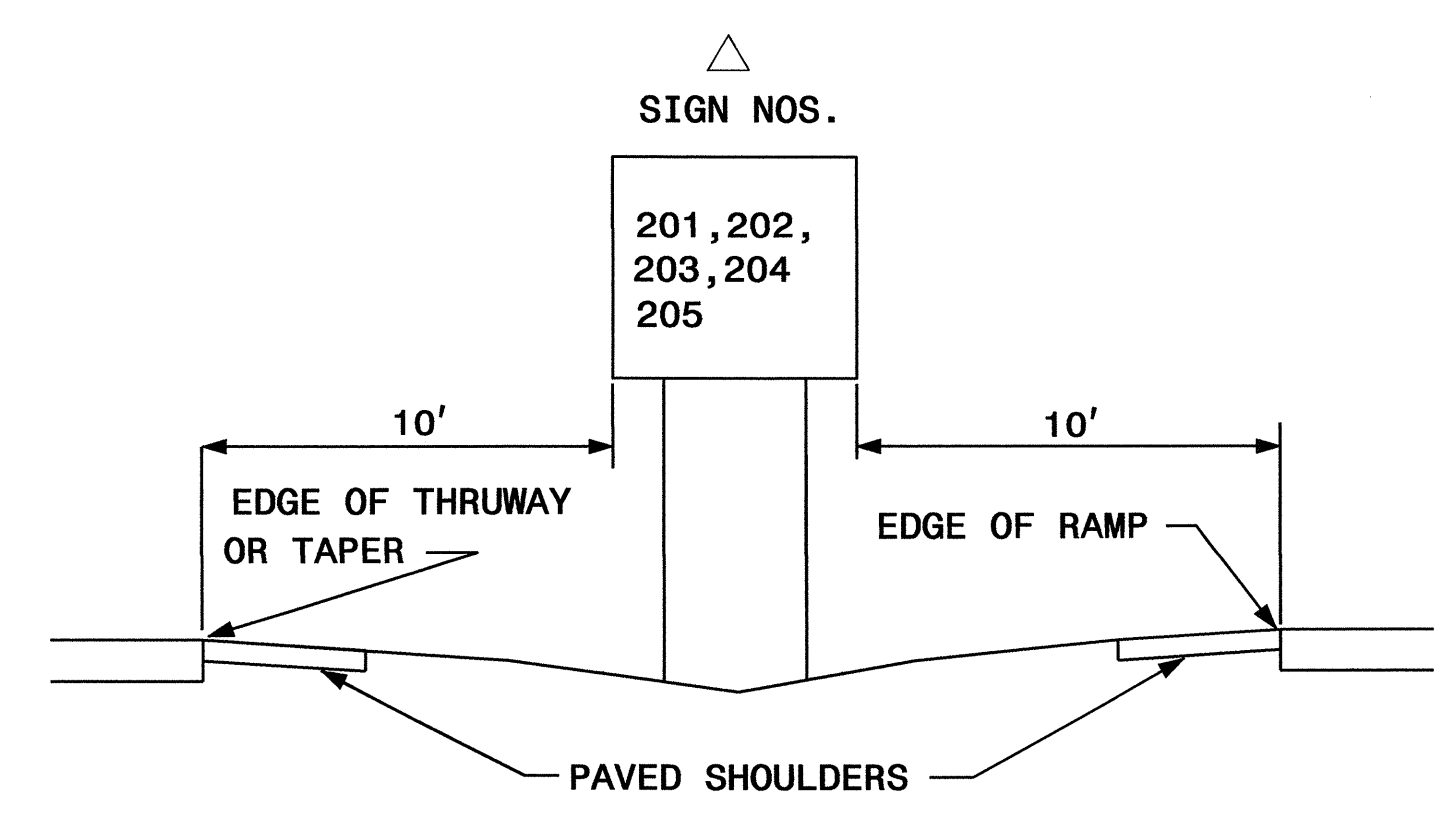


TIP NO. R-2554A SHEET NO. SIGN-2
 APPROVED: *[Signature]*
 DATE: 2-1-12



SIGN NO.	SIGN TYPE	SIGN SIZE (mm)			ROADWAY STATION	NO. OF SUP.	BEAM SECTION	SUPPORT TYPE BA or S	ATTACH METHOD	MOUNTING METHOD	HORIZ. CLR. * (m)	LENGTH (m)				LEFT SUPPORT (m)			CENTER SUPPORT (m)			RIGHT SUPPORT (m)			FOOTING DIAMETER (m)	FOOTING DEPTH (m)	B/A SUPPORT WEIGHTS (kg)	SIMPLE SUPPORT WEIGHTS (kg)	REINF. FTGS. (c.m.)	FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)																							
		w	x	h								SNS H	HT C	MTG HT	EMBED-MENT	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH																													
101	A	3300	X	2900	(L) 17+85	2	W6x12	BA	N/A	N/A	9.14	2.90	2.13	1.68	1.04	6.07	7.75	0.00	0.00	0.00	0.71	5.74	7.42	0.4572	1.8288	309.63	0.00	0.60																									
102	A	3300	X	3000	(L) 23+64	2	W6x16	BA	N/A	N/A	9.14	3.00	2.13	1.83	1.55	6.68	8.51	0.00	0.00	0.00	1.93	7.06	8.89	0.4572	1.9812	474.44	0.00	0.65																									
103	A	3300	X	1400	(L) 60+41	2	W6x9	S	N/A	N/A	6.10	1.40	2.13	1.37	0.94	4.47	5.85	0.00	0.00	0.00	1.60	5.13	6.51	0.4572	1.524	0.00	165.41	0.50																									
104	A	3200	X	2500	(-Y10-) 17+1	2	W6x12	BA	N/A	N/A	6.00	2.50	2.13	1.68	1.20	5.83	7.51	0.00	0.00	0.00	1.54	6.17	7.85	0.4572	1.8288	313.02	0.00	0.60																									
105	A	3900	X	4300	(-Y10-) 17+4	2	W10x22	S	N/A	N/A	6.00	4.30	2.13	1.98	1.73	8.16	10.14	0.00	0.00	0.00	2.49	8.92	10.90	0.762	2.1336	0.00	689.16	1.95																									
106	A	3200	X	2500	(-Y10-) 15+0	2	W6x12	BA	N/A	N/A	9.14	2.50	2.13	1.68	1.14	5.77	7.45	0.00	0.00	0.00	1.59	6.22	7.90	0.4572	1.8288	312.84	0.00	0.60																									
107	A	3900	X	4300	(-Y10-) 12+2	2	W8x18	BA	N/A	N/A	9.14	4.30	2.13	1.98	0.76	7.19	9.17	0.00	0.00	0.00	0.30	6.73	8.71	0.6096	2.1336	552.75	0.00	1.25																									
108	A	3300	X	3000	(-L) 36+58	2	W6x16	BA	N/A	N/A	9.14	3.00	2.13	1.98	1.83	6.96	8.94	0.00	0.00	0.00	2.31	7.44	9.43	0.4572	2.1336	497.44	0.00	0.70																									
109	A	3300	X	2900	(-L) 42+44	2	W6x16	BA	N/A	N/A	9.14	2.90	2.13	1.83	1.22	6.25	8.08	0.00	0.00	0.00	0.56	5.59	7.42	0.4572	1.9812	429.18	0.00	0.65																									
110	A	3300	X	2900	(-L) 50+48	2	W6x16	BA	N/A	N/A	7.62	2.90	2.13	1.83	1.65	6.68	8.51	0.00	0.00	0.00	2.18	7.22	9.05	0.4572	1.9812	478.16	0.00	0.65																									
111	A	4700	X	5400	(-L) 63+54	3	W10x22	S	N/A	N/A	6.10	5.40	2.13	2.13	1.09	8.63	10.76	1.65	9.18	11.32	2.21	9.74	11.88	0.762	2.286	0.00	1111.66	3.13																									
112	A	4700	X	5400	(-L-) 75+61	3	W10x22	S	N/A	N/A	6.10	5.40	2.13	1.98	1.07	8.60	10.58	1.63	9.16	11.14	2.18	9.72	11.70	0.9144	2.1336	0.00	1094.20	4.20																									
113A	B	3400	X	800	(-L-) 84+79	2	W10x22	BA	1-R	N/A	9.14	4.00	2.13	2.13	0.79	6.92	9.06	0.00	0.00	0.00	0.82	6.95	9.09	0.762	2.286	702.38	0.00	2.09																									
113B	A	5100	X	4000																																																	
114	B	2400	X	1100	(-L-) 22+20	2	S4x7.7	BA	N/A	N/A	6.10	1.10	2.13	1.22	0.86	4.10	5.32	0.00	0.00	0.00	1.22	4.45	5.67	0.3048	1.3716	144.34	0.00	0.20																									
201	A	2300	X	1500	(-L-) 16+66	2	S4x7.7	BA	N/A	N/A	△	1.50	2.13	1.22	0.20	3.83	5.05	0.00	0.00	0.00	0.30	3.93	5.15	0.3048	1.3716	135.36	0.00	0.20																									
202	A	2300	X	1500	(-L-) 25+71	2	S4x7.7	BA	N/A	N/A	△	1.50	2.13	1.22	0.32	3.95	5.17	0.00	0.00	0.00	0.13	3.76	4.98	0.3048	1.3716	134.79	0.00	0.20																									
203	A	2300	X	1500	(-L-) 34+42	2	S4x7.7	BA	N/A	N/A	△	1.50	2.13	1.22	0.40	4.03	5.25	0.00	0.00	0.00	0.33	3.96	5.18	0.3048	1.3716	138.00	0.00	0.20																									
204	A	2700	X	1500	(-L-) 87+68	2	S4x7.7	BA	N/A	N/A	△	1.50	2.13	1.37	0.40	4.03	5.41	0.00	0.00	0.00	0.50	4.13	5.51	0.3048	1.524	143.44	0.00	0.22																									
205	A	1800	X	1500	(-LPC-) 10+82	2	S3x5.7	BA	N/A	N/A	△	1.50	2.13	1.07	0.20	3.83	4.90	0.00	0.00	0.00	0.20	3.83	4.90	0.3048	1.2192	99.25	0.00	0.18																									
																								TOTAL	4865.01	TOTAL	3060.43	TOTAL	18.76																								
																								USE:	4866	3061	19																										

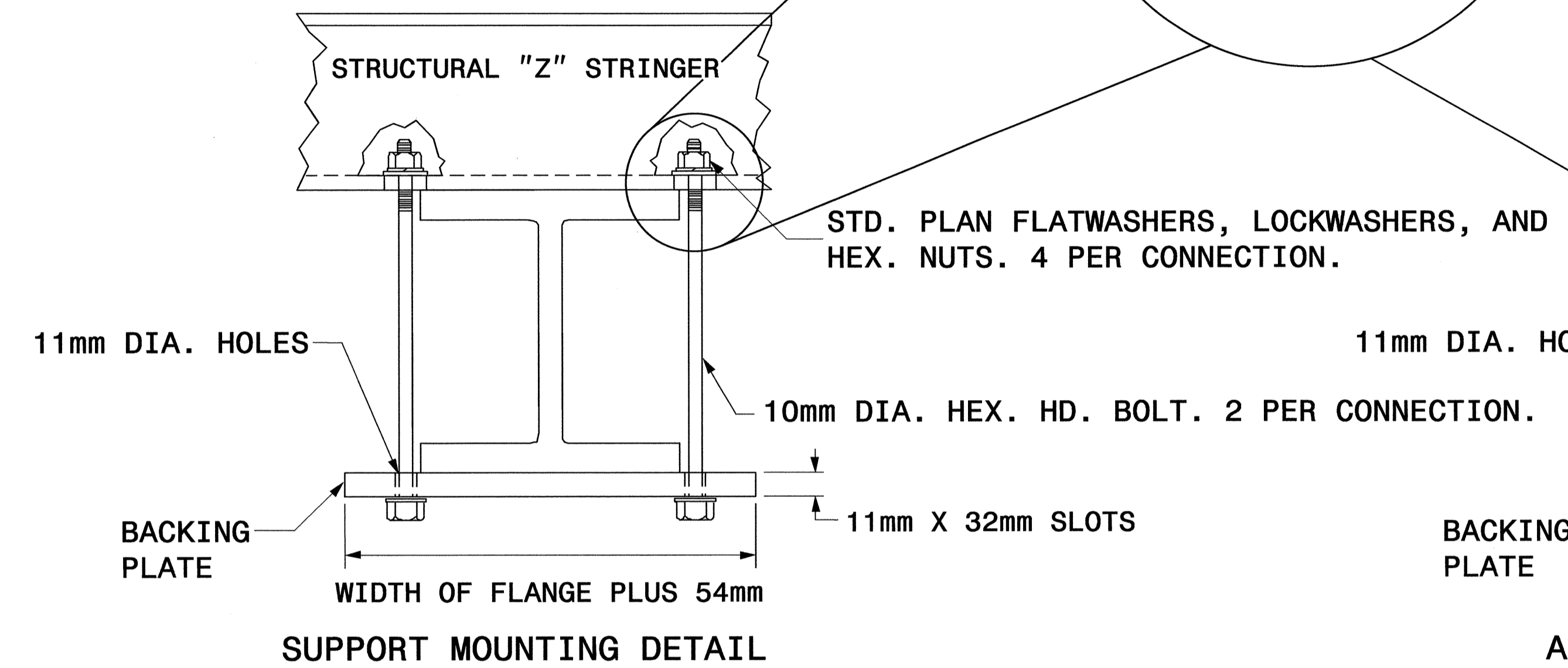
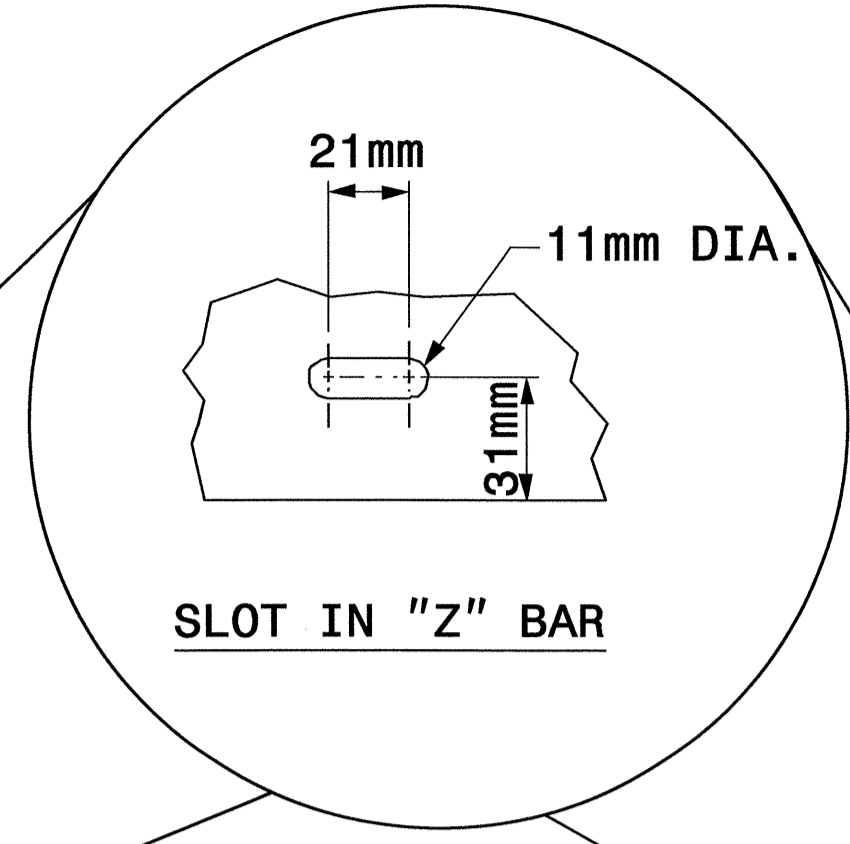
- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF PAVEMENT.
- FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1. SEE (*) ARTICLE 1072-1. (*) = N.C.D.O.T.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



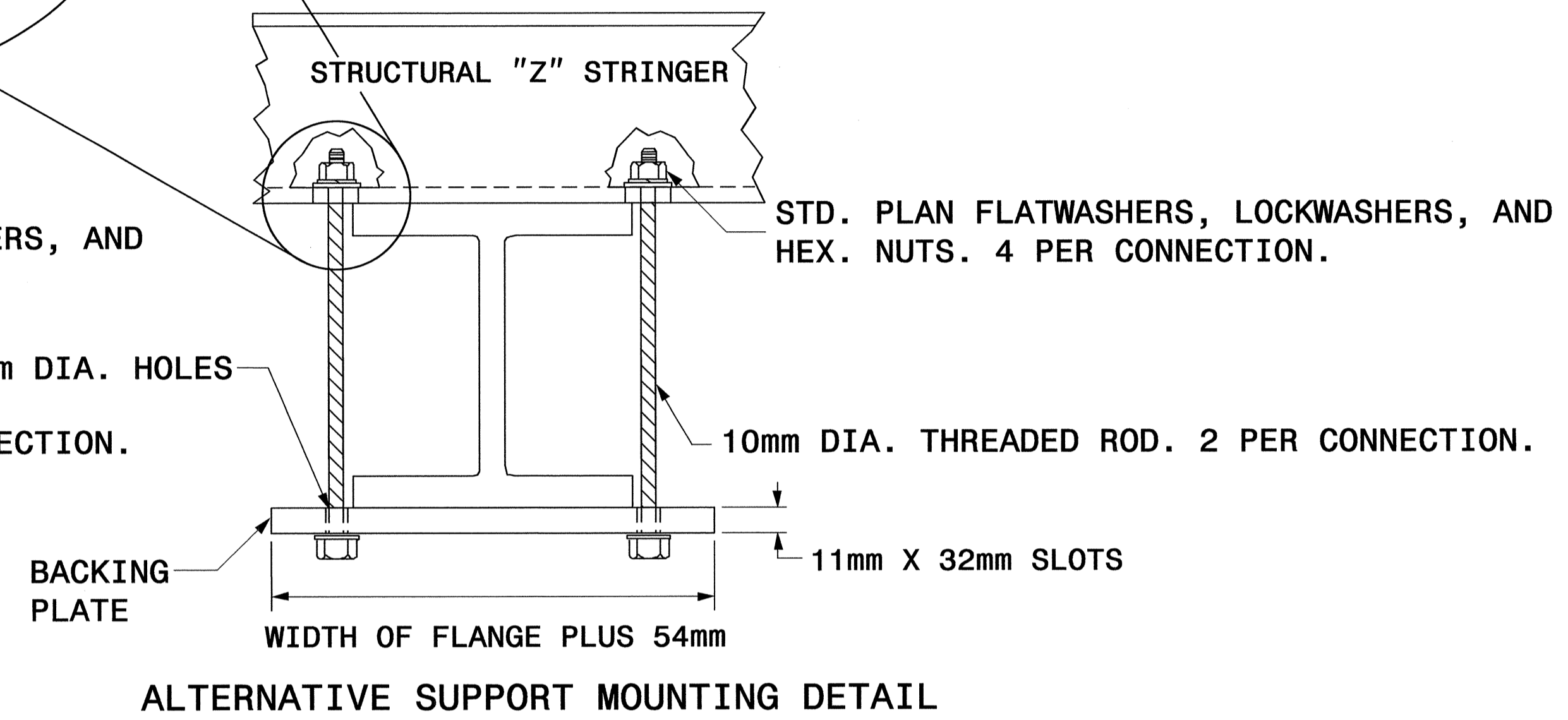
TYPE "A" AND "B" SIGN INFORMATION SHEET



TIP NO. R-2554A	SHEET NO. SIGN-2A
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	
SEAL	

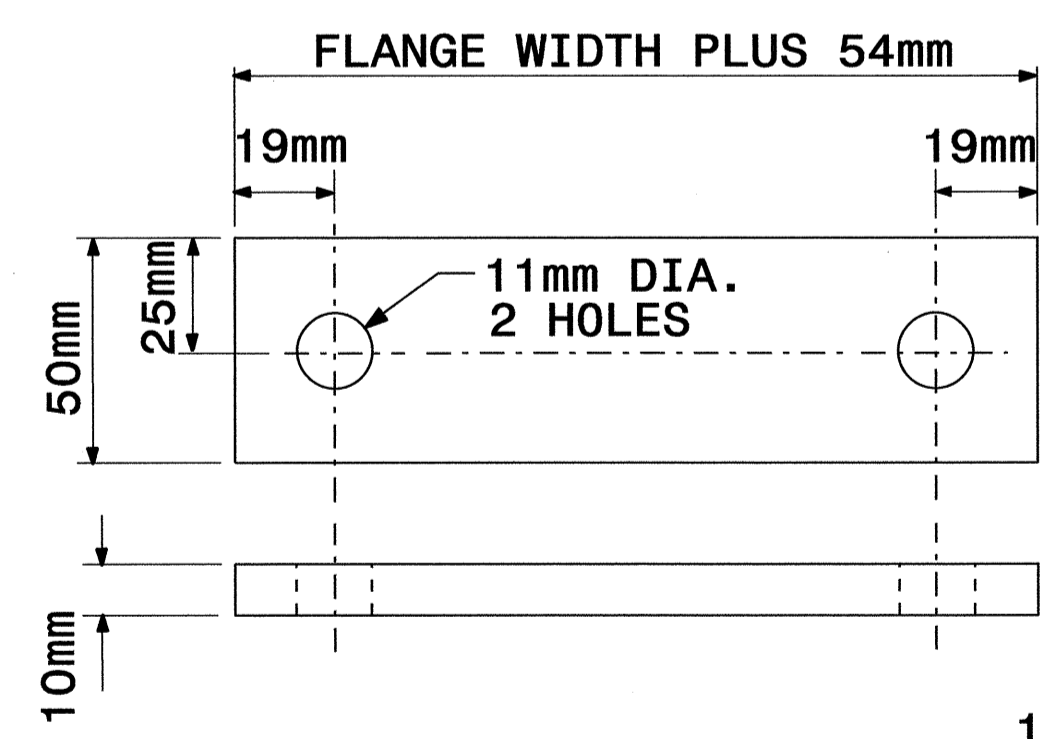


STD. PLAN FLATWASHERS, LOCKWASHERS, AND HEX. NUTS. 4 PER CONNECTION.



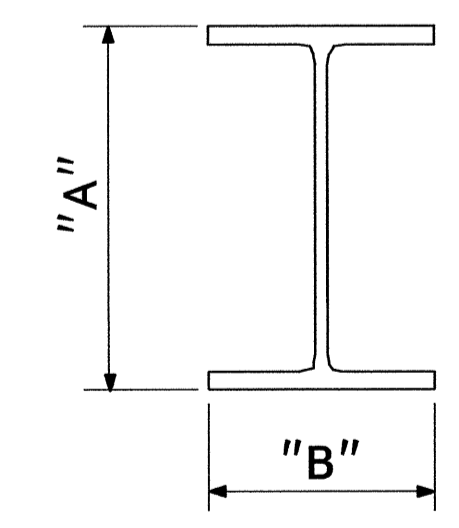
STD. PLAN FLATWASHERS, LOCKWASHERS, AND HEX. NUTS. 4 PER CONNECTION.

BACKING PLATE
DETAIL



SIGN SUPPORTS SECTION DIMENSIONS

SECTION	A	B
S75 X 8.5	76.2	60.3
S100 X 11	101.6	66.7
W150 X 13	152.4	101.6
W150 X 18	152.4	101.6
W150 X 24	158.8	101.6
W200 X 27	206.4	133.4
W200 X 31	209.6	133.4
W250 X 33	257.2	146.1
W250 X 39	263.5	146.1
W300 X 39	311.2	165.0
W350 X 45	352.4	171.5
W400 X 31	403.2	139.7
W450 X 52	450.9	152.4
W450 X 60	454.0	152.4
W525 X 65	523.9	165.1



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.
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.

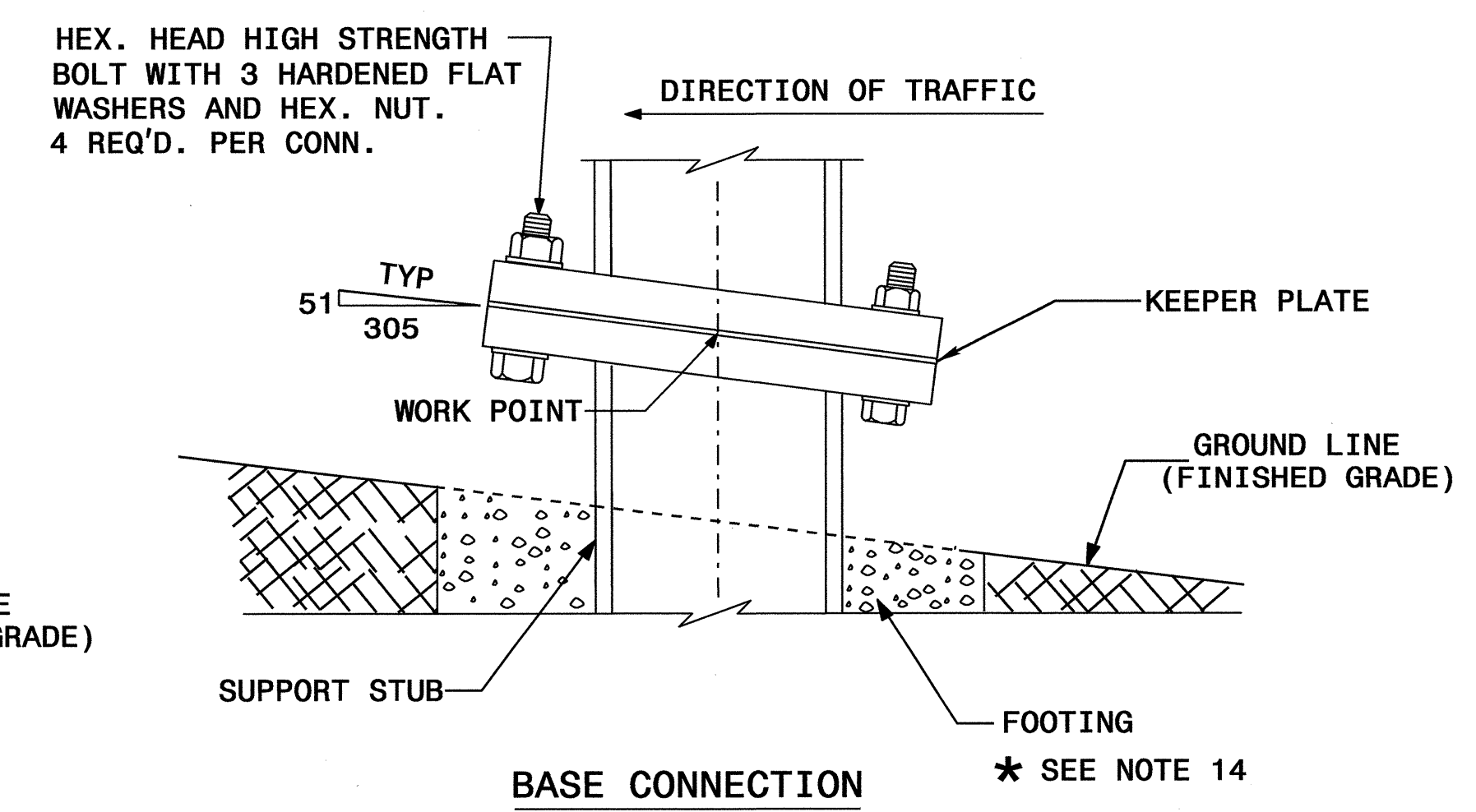
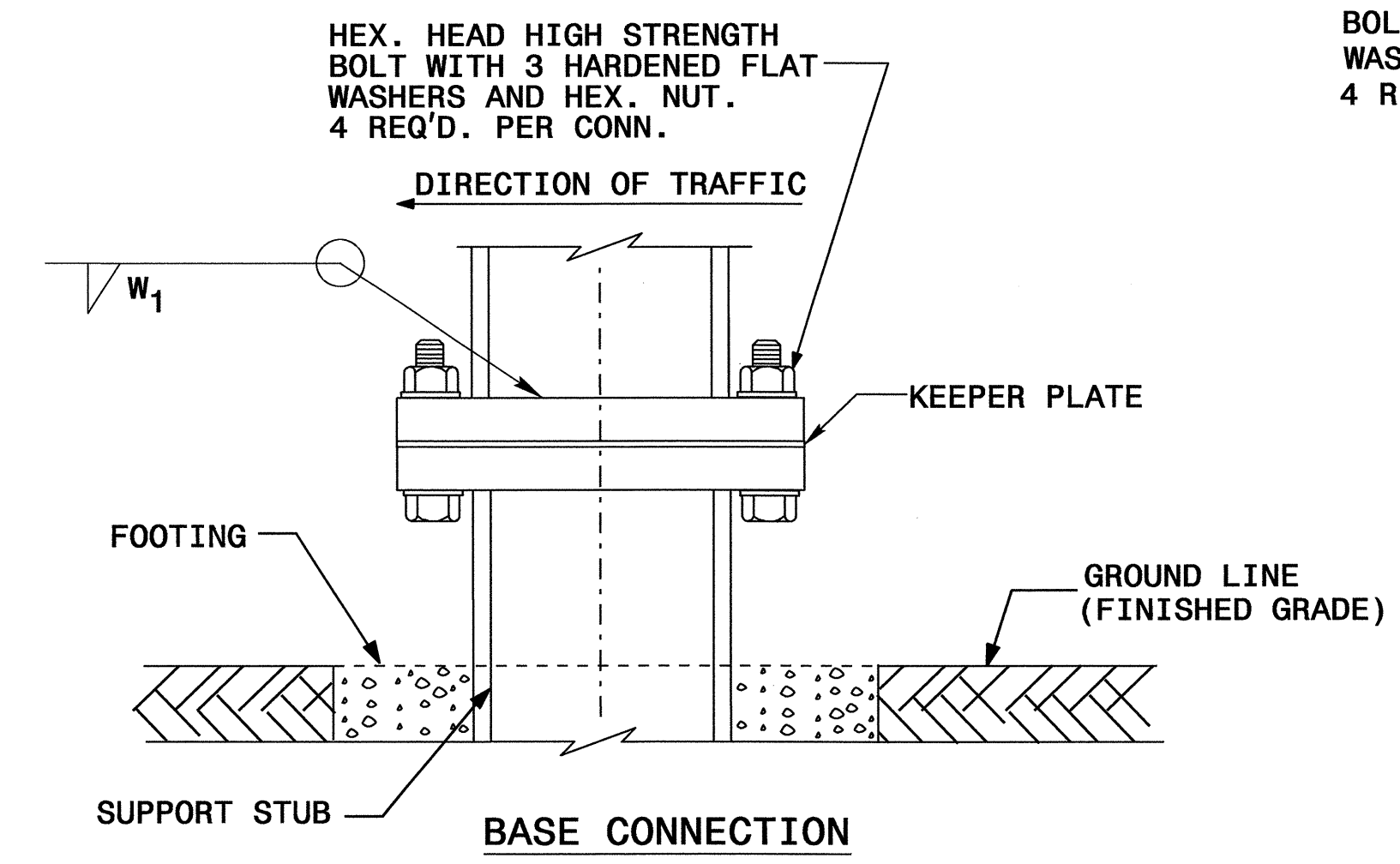
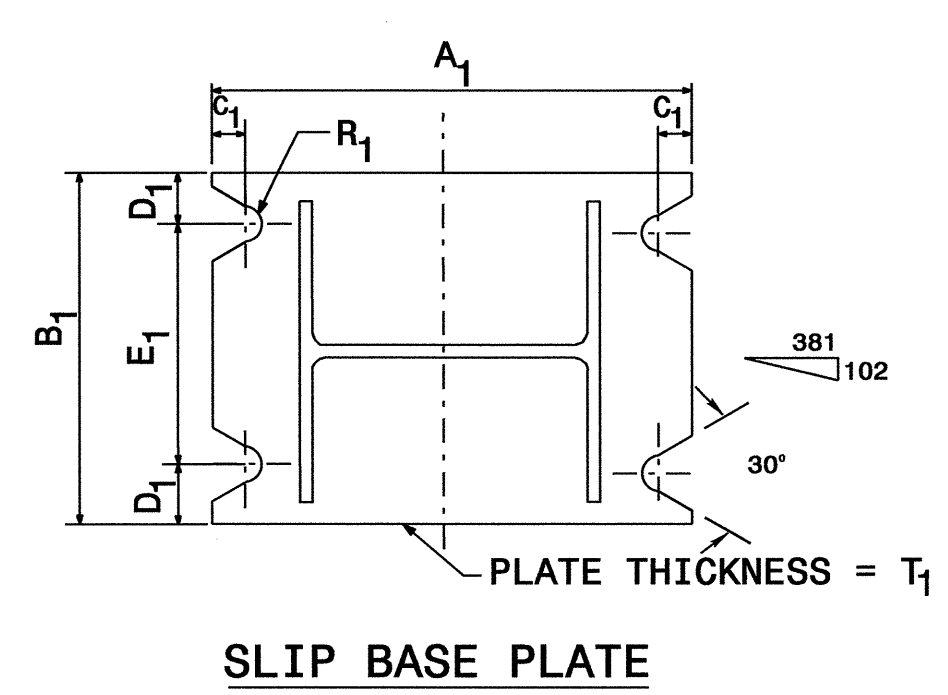
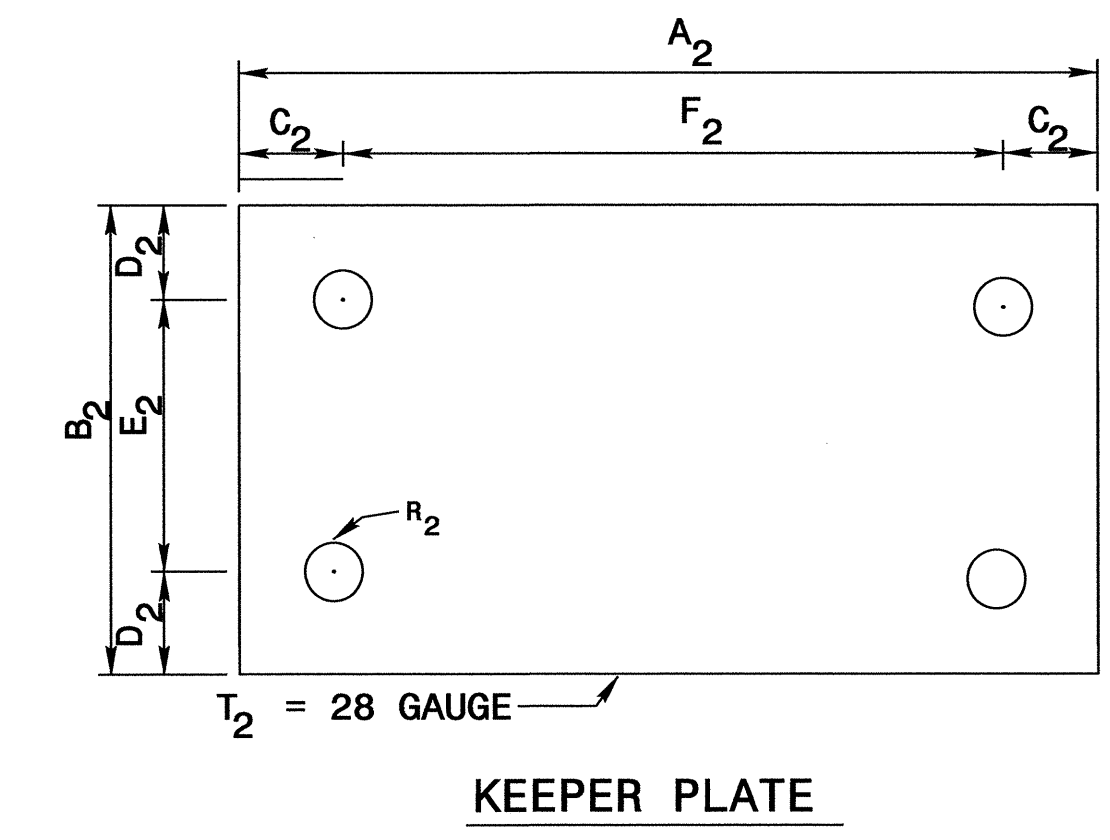
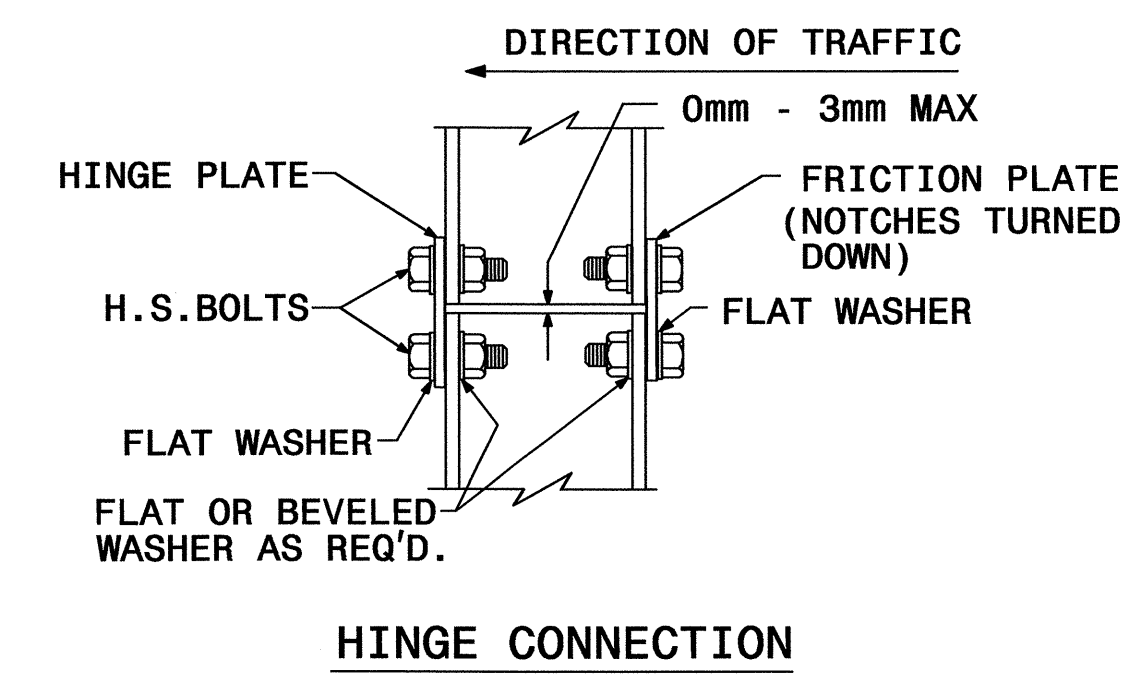
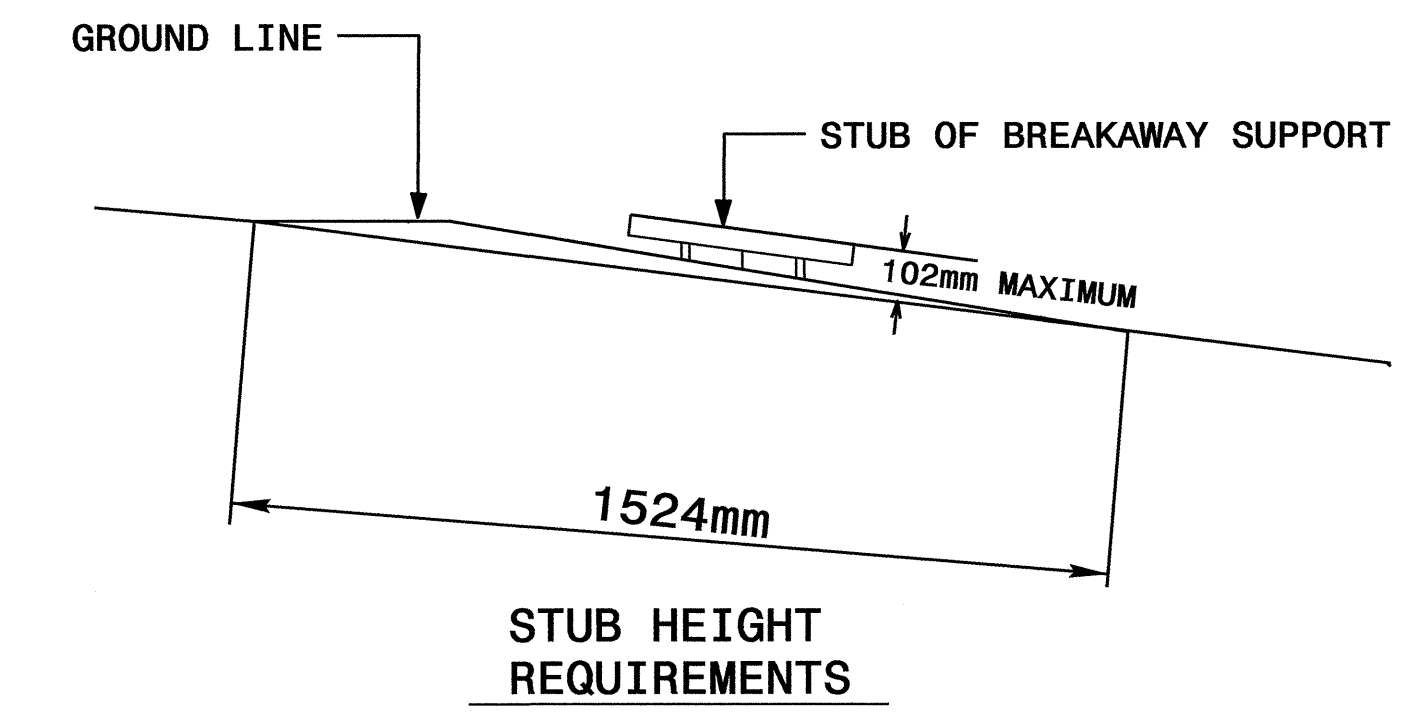
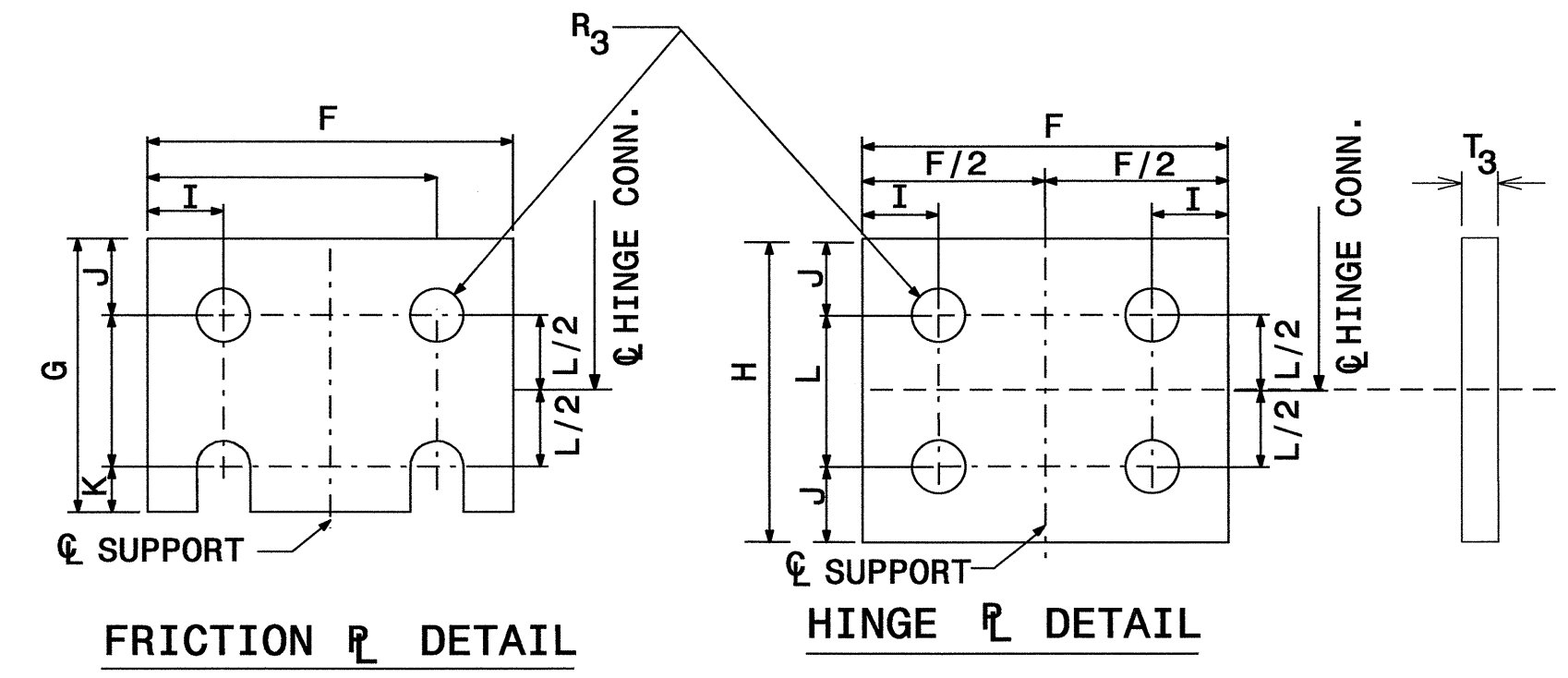
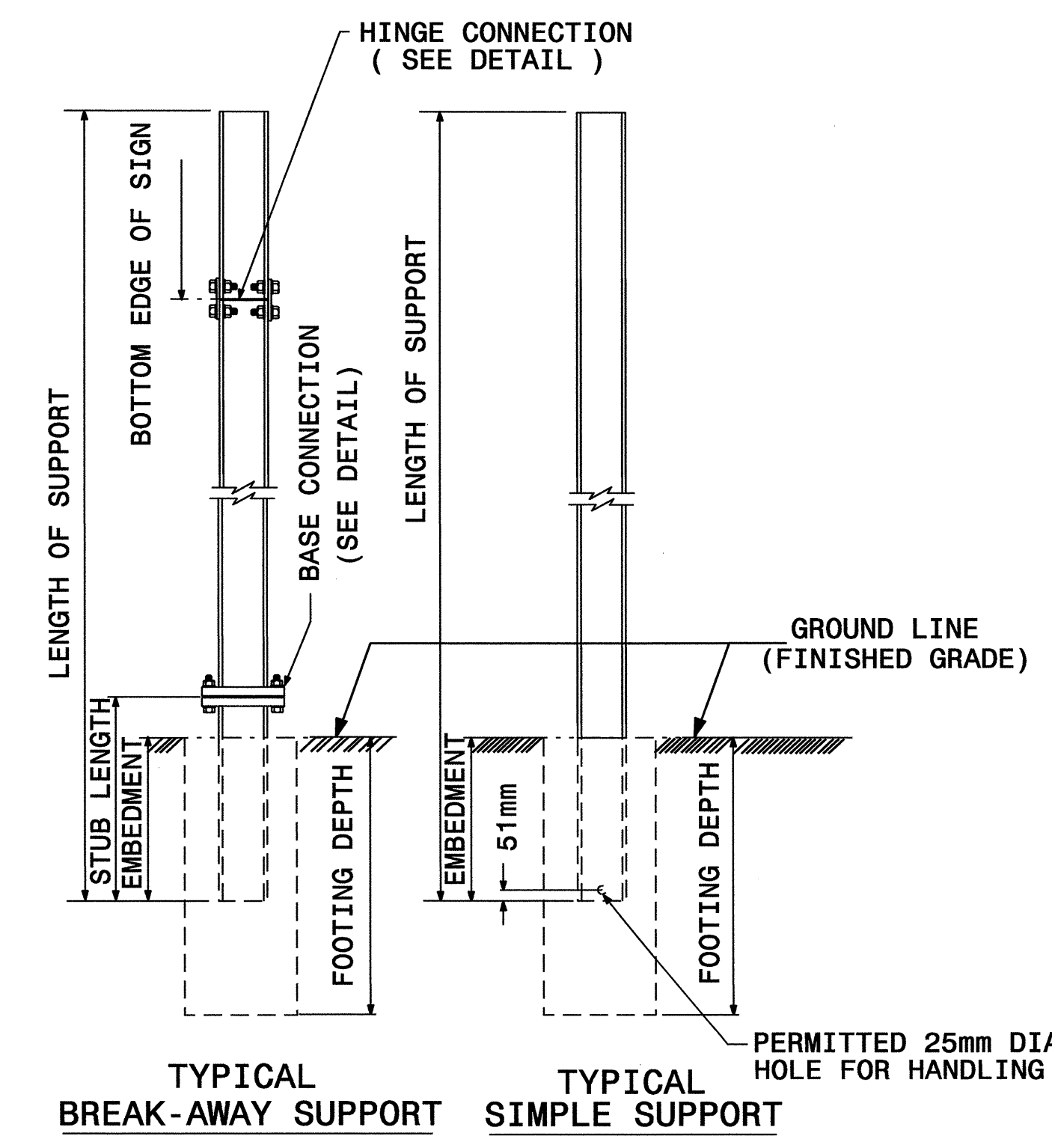
Note:
This drawing is dimensioned in millimeters unless otherwise depicted within the drawing.

SIGN MOUNTING DETAILS

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 1/11/2012 1:55 PM
 Aayan I. Alquodbi
 Professional Engineer
 State of North Carolina
 Seal No. 028387



TIP NO. R-2554A	SHEET NO. SIGN-28
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	
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Note:
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GROUND MOUNTED SIGN SUPPORTS

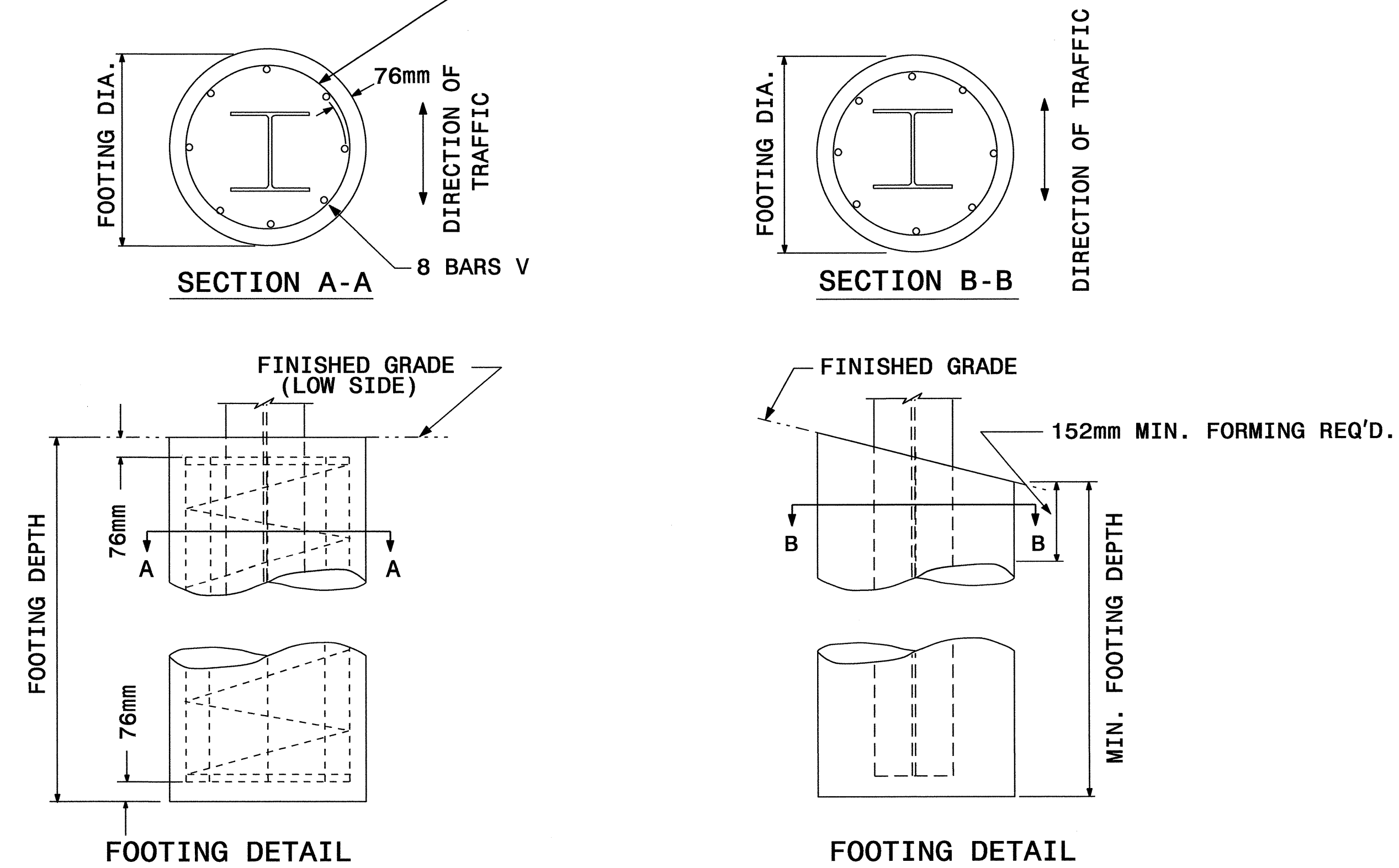
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TIP NO. R-2554A	SHEET NO. SIGN-2C
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	
SEAL	

BEAM SHAPE	BOLT SIZE	SLIP BASE PLATE DATA								KEEPER PLATE DATA								HINGE CONNECTION DATA								BREAK AWAY SUPPORT WEIGHT CONSTANT KGS.
		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	
S75X8.5	13 DIA. X 76	178	102	25	19	64	25	7	178	102	25	19	64	7	28 GAUGE	13 DIA. X 32	57	89	102	13	25	13	51	7	10	8
S100X11	13 DIA. X 76	203	102	25	19	64	25	7	203	102	25	19	64	7	28 GAUGE	13 DIA. X 32	67	89	102	13	25	13	51	7	10	9
W150X13	13 DIA. X 76	254	127	25	19	89	25	7	254	127	25	19	89	7	28 GAUGE	13 DIA. X 32	102	89	102	19	25	13	51	7	10	15
W150X18	16 DIA. X 95	279	127	32	22	83	32	9	279	127	32	22	83	9	28 GAUGE	16 DIA. X 57	102	102	114	19	29	16	57	9	10	18
W150X24	16 DIA. X 95	305	152	32	22	108	38	9	305	152	32	22	108	9	28 GAUGE	16 DIA. X 64	102	102	114	19	29	16	57	9	13	21
W200X27	16 DIA. X 108	343	165	32	22	121	38	9	343	165	32	22	121	9	28 GAUGE	16 DIA. X 64	133	102	114	25	29	16	57	9	13	32
W200X31	19 DIA. X 108	356	178	38	25	127	38	10	356	178	38	25	127	10	28 GAUGE	19 DIA. X 70	133	152	178	25	44	19	89	10	13	33
W250X33	19 DIA. X 108	406	203	38	25	152	38	10	406	203	38	25	152	10	28 GAUGE	19 DIA. X 70	146	152	178	25	44	19	89	10	13	54
W250X39	19 DIA. X 121	419	203	38	25	152	44	10	419	203	38	25	152	10	28 GAUGE	19 DIA. X 70	146	152	178	25	44	19	89	10	16	64
W300X39	19 DIA. X 121	470	229	38	25	178	44	10	470	229	38	25	178	10	28 GAUGE	19 DIA. X 70	165	152	178	25	44	19	89	10	16	80
W350X45	25 DIA. X 127	559	229	51	38	152	51	13	559	229	51	38	152	13	28 GAUGE	25 DIA. X 76	171	178	203	32	51	25	102	13	16	93
W400X46	25 DIA. X 127	610	229	51	38	152	51	13	610	229	51	38	152	13	28 GAUGE	25 DIA. X 83	140	178	203	32	51	25	102	13	19	101
W450X52	25 DIA. X 127	635	229	51	38	152	51	13	635	229	51	38	152	13	28 GAUGE	25 DIA. X 83	152	178	203	32	51	25	102	13	19	110
W450X60	25 DIA. X 140	660	229	51	38	152	57	13	660	229	51	38	152	13	28 GAUGE	25 DIA. X 95	152	178	203	32	51	25	102	13	22	126
W525X65	25 DIA. X 140	737	229	51	38	152	64	13	737	229	51	38	152	13	28 GAUGE	25 DIA. X 95	165	178	203	32	51	25	102	13	22	141

51mm FLAT TURNS
TOP AND BOTTOM
(SEE NOTE 11)



FOUNDATION DATA *		
FOOTING DIAMETER	REINFORCEMENT	SPIRAL BAR
457	8 # 6 BARS	#3 BAR, 76 PITCH
610	8 # 7 BARS	#3 BAR, 76 PITCH
762	8 # 9 BARS	#3 BAR, 76 PITCH
914	8 # 11 BARS	#3 BAR, 76 PITCH
1067	8 # 12 BARS	#3 BAR, 76 PITCH
1219	8 # 14 BARS	#3 BAR, 76 PITCH

* FOUNDATION DIMENSIONS ARE SHOWN IN PLANS
SEE SHEET 2D FOR NOTES

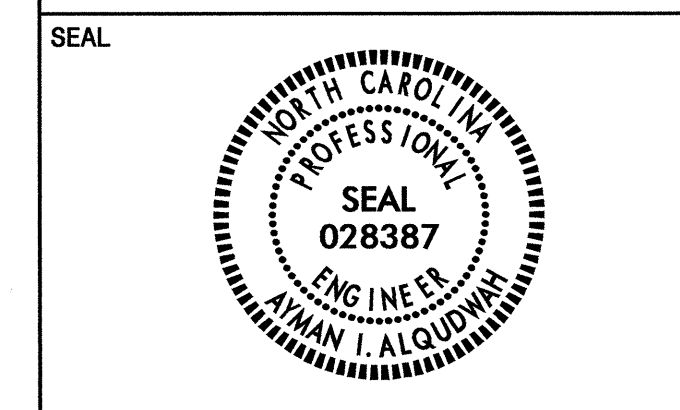
Note:
This drawing is dimensioned in millimeters unless otherwise depicted within the drawing.

GROUND MOUNTED SIGN SUPPORTS

I:\A\2010_1054\2554A\Traffic\Signing\CADD\Signing_Layout_Plane\2554A_Cover_EF_Etc.dgn
 2/1/12 10:54 AM
 2554A\Traffic\Signing\CADD\Signing_Layout_Plane\2554A_Cover_EF_Etc.dgn
 2/1/12 10:54 AM
 2554A\Traffic\Signing\CADD\Signing_Layout_Plane\2554A_Cover_EF_Etc.dgn
 2/1/12 10:54 AM



TIP NO. R-2554A	SHEET NO. SIGN-2D
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	



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 (N-M)
13	39
16	62
19	73
25	83

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 HALF A METER INTO THE ROCK. CONSTRUCT ALL FOOTINGS OF CLASS A CONCRETE.
- FORM TOP 152mm OF FOOTINGS. ENGINEER APPROVES THE METHOD USED.
- THE FINAL FLAT TURN OF SPIRAL OR HOOPS NO. 3 OR LARGER PLACED 76mm 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 2 METERS, 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.

Note:
This drawing is dimensioned in millimeters unless otherwise depicted within the drawing.


GROUND MOUNTED SIGN SUPPORTS

I:\Users\j1555\Documents\2554A\Traffic\Signing\CADD\Signing Layout\Plans\2554A\Cover_EF_Etc.dgn
 2/1/2012 1:55 PM
 1:55 PM
 1:55 PM
 1:55 PM



TIP NO. R-2554A	SHEET NO. SIGN-3
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	
SEAL	

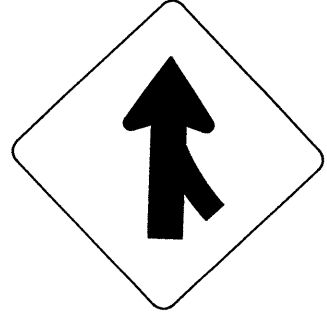
401 QUANTITY REQ'D 4



1200 X 1500
R2-1

TWO "U" POSTS PER SIGN

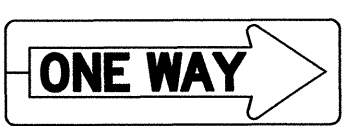
406 QUANTITY REQ'D 5



1200 X 1200
W4-1

TWO "U" POSTS PER SIGN

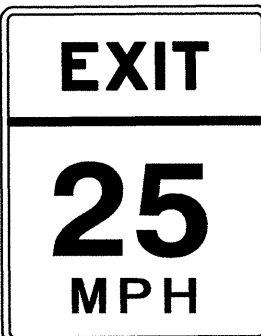
411 QUANTITY REQ'D 2



914 X 305
R6-1

MOUNT ABOVE SIGN #408
IN 2 INSTALLATIONS

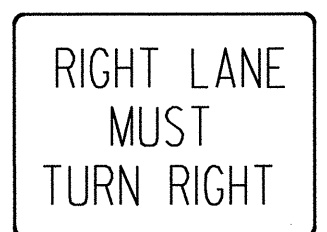
416 QUANTITY REQ'D 1



900 X 1200
W13-2

ONE "U" POST PER SIGN

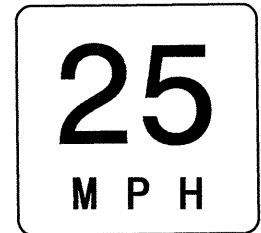
422 QUANTITY REQ'D 2



750 X 750
R3-7

ONE "U" POST PER SIGN

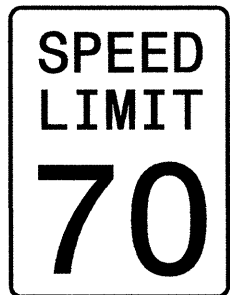
428 QUANTITY REQ'D 1



W13-1P
610 X 610

MOUNT BELOW SIGN #427
IN 1 INSTALLATION

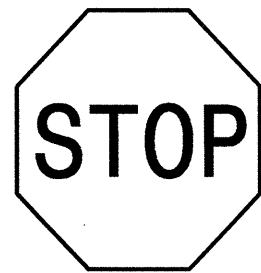
402 QUANTITY REQ'D 4



1200 X 1500
R2-1

TWO "U" POSTS PER SIGN

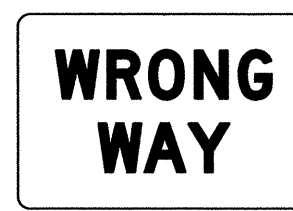
407 QUANTITY REQ'D 11



750 X 750
R1-1

ONE "U" POST PER SIGN

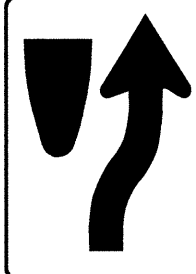
412 QUANTITY REQ'D 4



900 X 600
R5-1a

ONE "U" POST PER SIGN

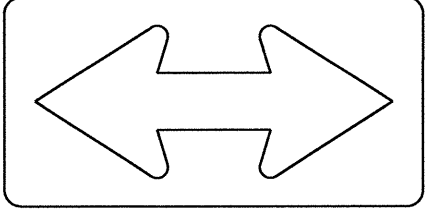
417 QUANTITY REQ'D 2



600 X 750
R4-7

ONE "U" POST PER SIGN

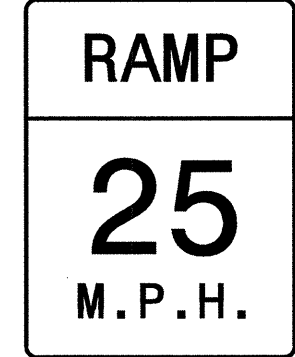
423 QUANTITY REQ'D 6



1200 X 600
W1-7

TWO "U" POSTS PER SIGN


429 QUANTITY REQ'D 1



1200 X 1500
W13-3

TWO "U" POSTS PER SIGN

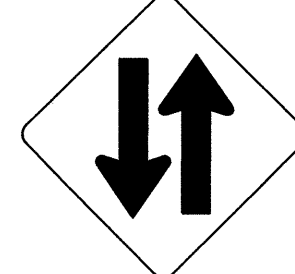
432 QUANTITY REQ'D 1



762 X 762
R3-7

ONE "U" POST PER SIGN


403 QUANTITY REQ'D 3



900 X 900
W6-3

ONE "U" POST PER SIGN


408 QUANTITY REQ'D 8



900 X 900
R1-1

ONE "U" POST PER SIGN

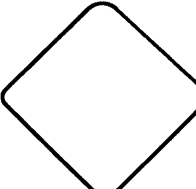
413 QUANTITY REQ'D 2



900 X 900
R5-1

ONE "U" POST PER SIGN

418 QUANTITY REQ'D 2

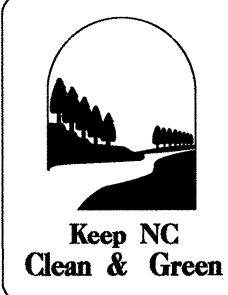


450 X 450
OM1-3

YELLOW SHEETING

MOUNT BELOW SIGN #417
IN 2 INSTALLATIONS

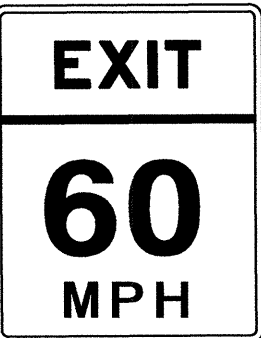
425 QUANTITY REQ'D 1



610 X 762

ONE "U" POST PER SIGN

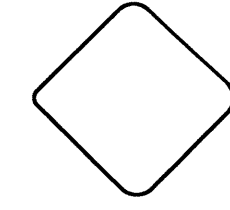
430 QUANTITY REQ'D 1



1200 X 1500
W13-2

TWO "U" POSTS PER SIGN

433 QUANTITY REQ'D 6




450 X 450
OM4-3

RED SHEETING

ONE "U" POST PER SIGN

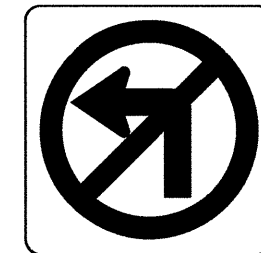
404 QUANTITY REQ'D 2



1200 X 1500
R4-1

TWO "U" POSTS PER SIGN

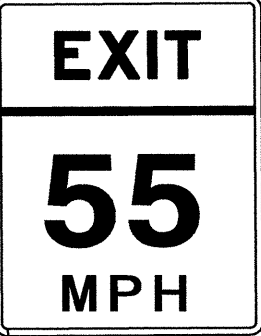
409 QUANTITY REQ'D 4



600 X 600
R3-2

MOUNT BELOW SIGN 408
IN 4 INSTALLATIONS

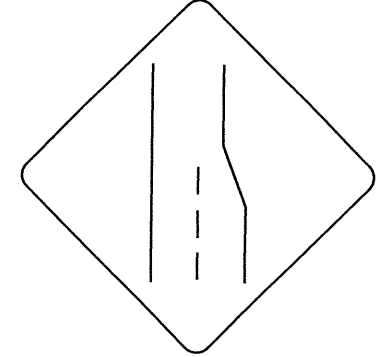
414 QUANTITY REQ'D 1



1200 X 1500
W13-2

TWO "U" POSTS PER SIGN

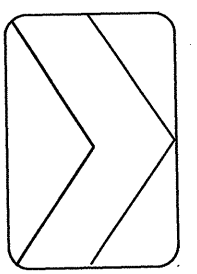
420 QUANTITY REQ'D 4



W4-2
1200 X 1200

TWO "U" POSTS PER SIGN


426 QUANTITY REQ'D 9



762 X 914
W1-8R

ONE "U" POST PER SIGN


431 QUANTITY REQ'D 2



1200 X 1200
W3-5

TWO "U" POSTS PER SIGN


405 QUANTITY REQ'D 2



1200 X 1200
W9-1

TWO "U" POSTS PER SIGN

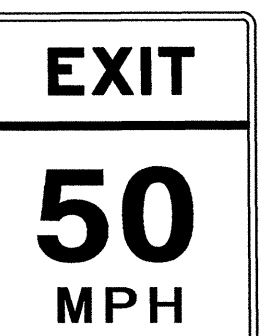
410 QUANTITY REQ'D 2



1350 X 450
R6-1

TWO "U" POSTS PER SIGN

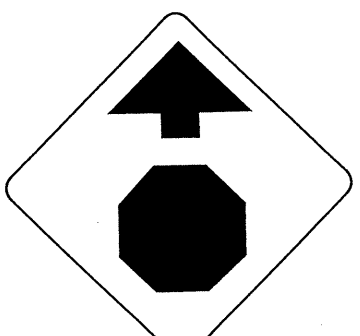
415 QUANTITY REQ'D 1



1200 X 1500
W13-2

TWO "U" POSTS PER SIGN

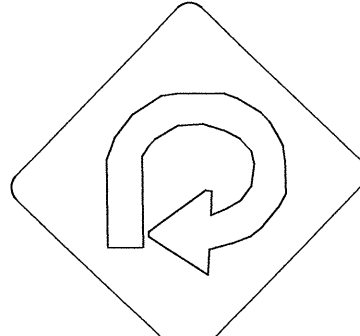
421 QUANTITY REQ'D 3



750 X 750
W3-1

ONE "U" POST PER SIGN

427 QUANTITY REQ'D 1



1200 X 1200
W1-15

TWO "U" POSTS PER SIGN

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

TYPE "E" SIGNS



TIP NO. R-2654A	SHEET NO. SIGN-3A
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	
SEAL 	

501

1-600 X 300
1-600 X 300
2-600 X 300
2-600 X 600
2-600 X 600
2-530 X 380

TWO "U" POSTS

506

525

1-762 X 381
1-900 X 900

ONE "U" POST

511

1-600 X 300
1-600 X 300
1-600 X 600
1-530 X 380
2-600 X 300
2-600 X 600
2-600 X 600
2-530 X 380

TWO "U" POSTS

519

1-600 X 300
1-600 X 300
1-600 X 600
1-530 X 380

ONE "U" POST

QUANTITY REQ'D 2

1- 300 X 1200
D10-3

ONE "U" POST

QUANTITY REQ'D 2

1- 300 X 1500
D10-3a

ONE "U" POST

502

1-600 X 300
1-600 X 300
2-600 X 300
2-600 X 300
2-600 X 600
2-600 X 600
2-530 X 380

TWO "U" POSTS

507

526

1-762 X 381
1-762 X 381
1-900 X 900

ONE "U" POST

514

2-600 X 300
2-600 X 300
2-600 X 600
2-600 X 600
2-530 X 380

TWO "U" POSTS

520

1-600 X 300
1-600 X 600

ONE "U" POST

QUANTITY REQ'D 2

1- 300 X 1200
D10-3

ONE "U" POST

QUANTITY REQ'D 2

1- 300 X 1500
D10-3a

ONE "U" POST

QUANTITY REQ'D 2

1- 300 X 1200
D10-3

ONE "U" POST

503

1-762 X 381
2-762 X 381
2-900 X 900
2-900 X 900
1-530 X 380

TWO "U" POSTS

508

513

1-600 X 300
1-600 X 600

ONE "U" POST

515

1-530 X 380
1-600 X 300
1-600 X 600

ONE "U" POST

521

2-600 X 300
2-600 X 300
2-600 X 600
2-600 X 600
2-530 X 380

TWO "U" POSTS

QUANTITY REQ'D 2

1- 300 X 1200
D10-3

ONE "U" POST

QUANTITY REQ'D 2

1- 300 X 1500
D10-3a

ONE "U" POST

QUANTITY REQ'D 2

1- 300 X 1200
D10-3

ONE "U" POST

504

1-600 X 300
1-600 X 600
1-530 X 380

ONE "U" POST

509

512

517

2-600 X 300
2-600 X 300
2-600 X 600
2-600 X 600
2-530 X 380

TWO "U" POSTS

516

1-530 X 380
1-600 X 300
2-600 X 600
2-600 X 600

TWO "U" POSTS

522

1-762 X 381
1-762 X 381
1-900 X 900

ONE "U" POST

QUANTITY REQ'D 2

1- 300 X 1200
D10-3

ONE "U" POST

QUANTITY REQ'D 2

1- 300 X 1500
D10-3a

ONE "U" POST

QUANTITY REQ'D 2

1- 300 X 1500
D10-3a

ONE "U" POST

505

1-530 X 380
1-600 X 300
1-600 X 600
1-530 X 380

ONE "U" POST

510

1-600 X 300
1-600 X 300
2-600 X 600
2-600 X 600
1-530 X 380

TWO "U" POSTS

518

1-600 X 300
1-600 X 300
2-600 X 600
1-530 X 380

ONE "U" POST

523

1-762 X 381
1-900 X 900

ONE "U" POST

524

1-600 X 300
1-600 X 300
1-600 X 600
1-530 X 380
2-600 X 300
2-600 X 300
2-600 X 600
2-600 X 600
2-530 X 380

TWO "U" POSTS

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

TYPE "F" SIGNS AND MILEMARKERS

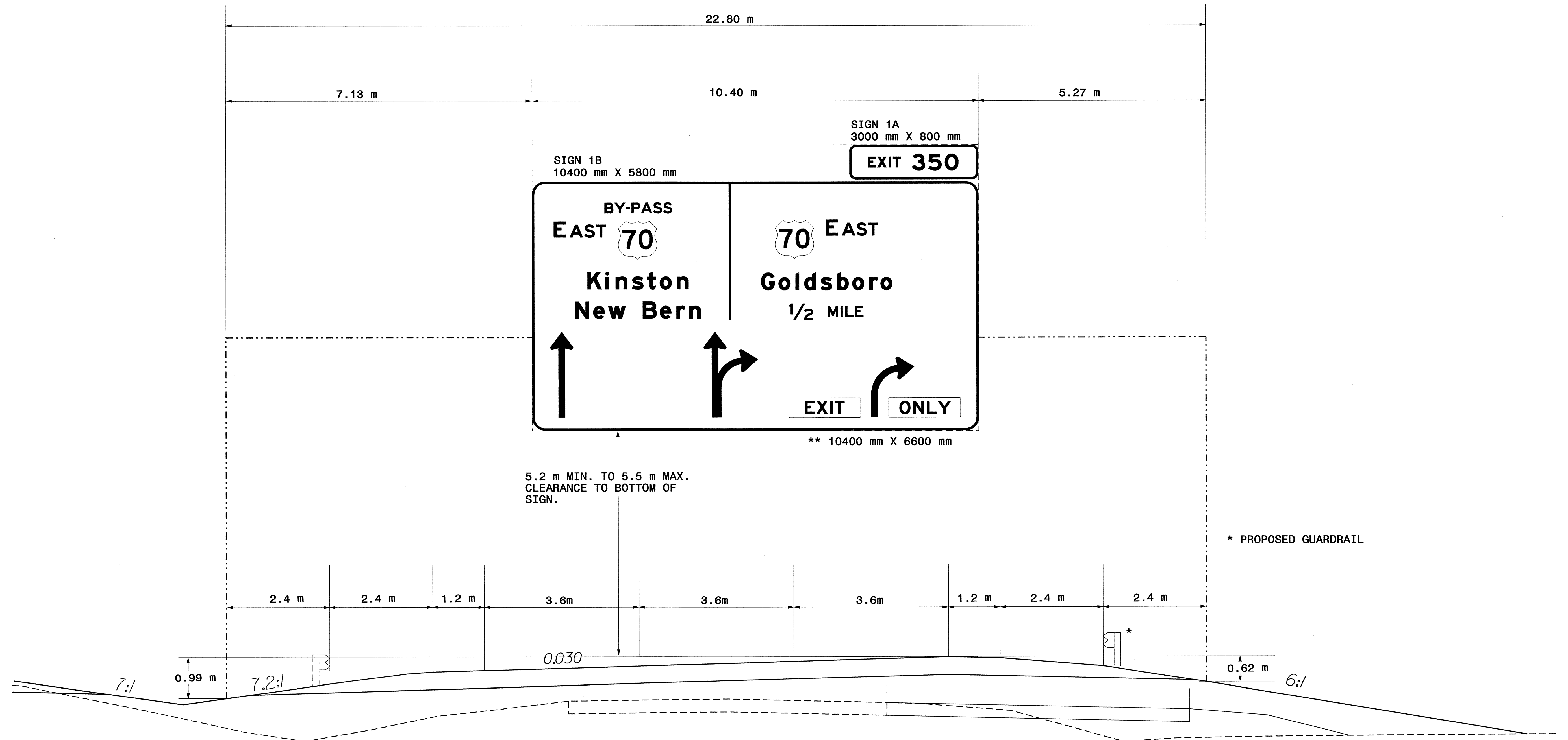
NOTES:

1. IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
2. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
3. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
4. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS AND SLOPES AT SUPPORTS. PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
5. THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 0.15M AND NOT MORE THAN 0.61M ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
6. FIELD VARIFICATION SHALL BE REQUIRED FOR ALL HORIZONTAL OFFSETS FROM EDGE OF TRAVEL LANE(S) TO SUPPORT(S) AS WELL AS OVERALL HORIZONTAL STRUCTURE LENGTH.



TIP NO. R-2554A	SHEET NO. SIGN-4
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	
SEAL	

** THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS. DESIGN AND CONSTRUCT REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 177 MPH.



OVERHEAD ASSEMBLY AT -L- STA. 6+00

**OVERHEAD SIGN ASSEMBLY AT
-L- STA. 6+00**

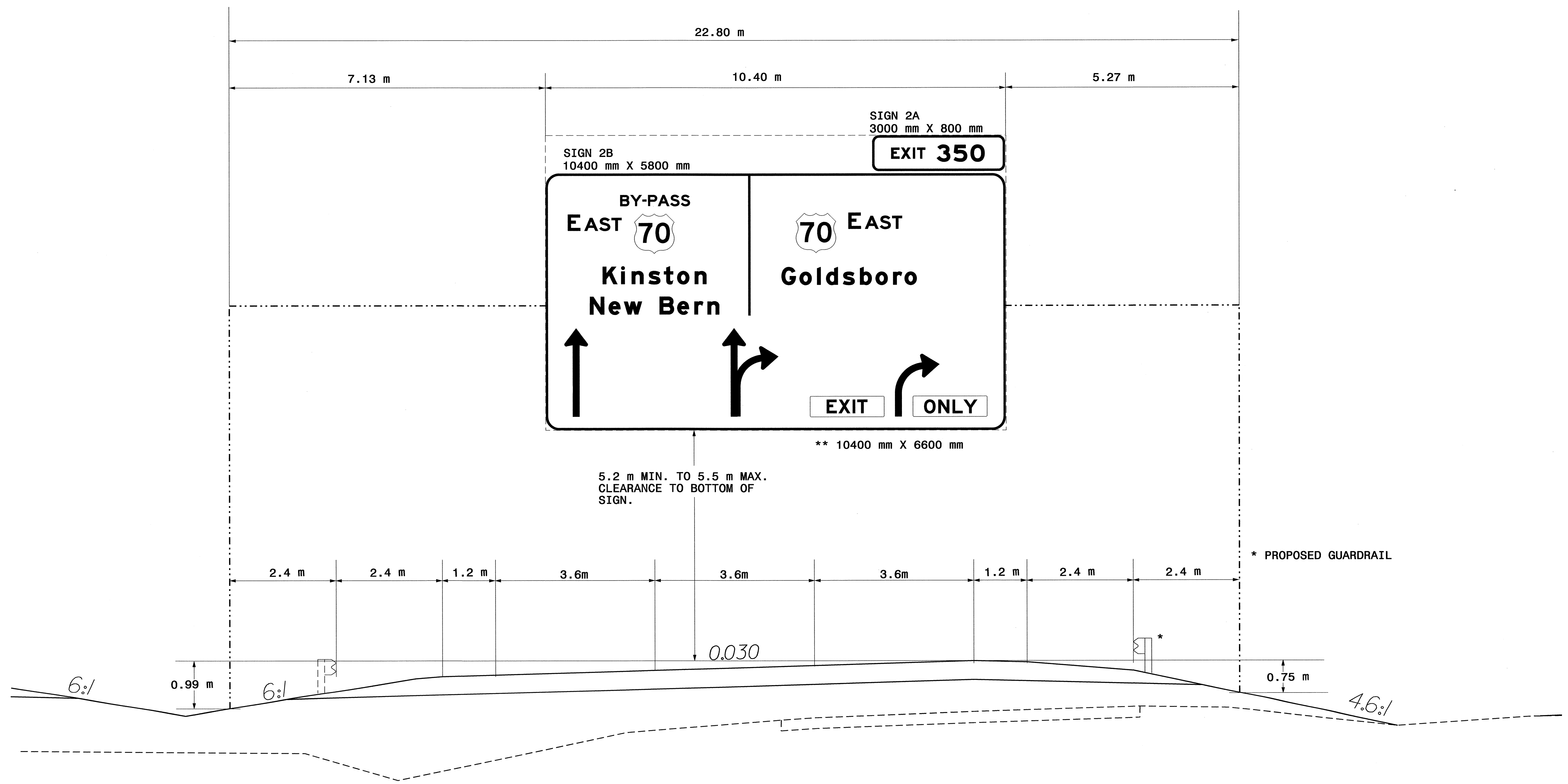
NOTES:

1. IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
2. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
3. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
4. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS AND SLOPES AT SUPPORTS. PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
5. THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 0.15M AND NOT MORE THAN 0.61M ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
6. FIELD VARIFICATION SHALL BE REQUIRED FOR ALL HORIZONTAL OFFSETS FROM EDGE OF TRAVEL LANE(S) TO SUPPORT(S) AS WELL AS OVERALL HORIZONTAL STRUCTURE LENGTH.



TIP NO. R-2554A	SHEET NO. SIGN-4A
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	
SEAL	

** THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS. DESIGN AND CONSTRUCT REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 177 MPH.



OVERHEAD ASSEMBLY AT -L- STA. 13+87

OVERHEAD SIGN ASSEMBLY AT
-L- STA. 13+87



TIP NO. R-2554A	SHEET NO. SIGN-4B
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	
SEAL	

SIGN NUMBER: 1B BACKG COLOR: Green
TYPE: A Overhead COPY COLOR: White

DESIGN BY: DP CHECKED BY: AIA DATE: Apr 26, 2011
PROJECT ID: R-2554A DIV: 4

QUANTITY: 1

SYMBOL	X	Y	WID	HT
M1_4	5662	4007	900	900
M1_4	2007	3990	900	900
ARR4_3	7899	307	999	1401
	422	306	526	1992

SIGN WIDTH: 10400mm
HEIGHT: 5800mm
TOTAL AREA: 60.3 Sq.m

BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 50mm
RADII: 300mm

NO. Z BARS: 6 MAT'L: 0.125" (3.2 mm) ALUMINUM
LENGTH: 10196.8

USE NOTES: 1,2,3,4

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

LETTER POSITIONS

Letter locations are panel edge to lower left corner										Series/Size	Text Length	
B	Y	-	P	A	S	S						
1688	1918	2191	2318	2541	2823	3061						E 2000
												1575
E	A	S	T									E 2000
6848	7221	7560	7836									1213
E	A	S	T									E 2000
503	877	1216	1492									1213
K	i	n	s	t	o	n						EM 2000
1291	1707	1947	2327	2675	2975	3371						2344
G	o	l	d	s	b	o	r	o				EM 2000
5334	5742	6138	6342	6722	7110	7462	7858	8118				3056
M	I	L	E									E 2000
6889	7189	7299	7529									828
N	e	w	B	e	r	n						EM 2000
1000	1424	1768	2176	2576	2976	3364	3660					2924
1/2												E 2000
5992												549

SIGN NUMBER: 2B BACKG COLOR: Green
TYPE: A Overhead COPY COLOR: White

DESIGN BY: DP CHECKED BY: AIA DATE: Apr 26, 2011
PROJECT ID: R-2554A DIV: 4

QUANTITY: 1

SYMBOL	X	Y	WID	HT
M1_4	5662	4007	900	900
M1_4	2007	3990	900	900
ARR4_3	7899	307	999	1401
	422	306	526	1992

SIGN WIDTH: 10400mm
HEIGHT: 5800mm
TOTAL AREA: 60.3 Sq.m

BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 50mm
RADII: 300mm

NO. Z BARS: 6 MAT'L: 0.125" (3.2 mm) ALUMINUM
LENGTH: 10196.8

USE NOTES: 1,2,3,4

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

LETTER POSITIONS

Letter locations are panel edge to lower left corner										Series/Size	Text Length	
B	Y	-	P	A	S	S						
1688	1918	2191	2318	2541	2823	3061						E 2000
												1575
E	A	S	T									E 2000
6848	7221	7560	7836									1213
E	A	S	T									E 2000
503	877	1216	1492									1213
K	i	n	s	t	o	n						EM 2000
1291	1707	1947	2327	2675	2975	3371						2344
G	o	l	d	s	b	o	r	o				EM 2000
5334	5742	6138	6342	6722	7110	7462	7858	8118				3056
M	I	L	E									E 2000
6889	7189	7299	7529									828
N	e	w	B	e	r	n						EM 2000
1000	1424	1768	2176	2576	2976	3364	3660					2924

SIGN NUMBER: 1A,2A BACKG COLOR: Green
TYPE: B Overhead COPY COLOR: White

DESIGN BY: DP CHECKED BY: AIA DATE: Apr 26, 2011
PROJECT ID: R-2554A DIV: 4

QUANTITY: 2

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 3000mm
HEIGHT: 800mm
TOTAL AREA: 2.4 Sq.m

BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 50mm
RADII: 150mm

NO. Z BARS: 2 MAT'L: 0.125" (3.2 mm) ALUMINUM
LENGTH: 2796.8

USE NOTES: 1,2

- Legend and border shall be direct applied Grade A 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 locations are panel edge to lower left corner					Series/Size	Text Length
E	X	I	T			
430	650	920	1015		EM 2000	770
3	5	0			EM 2000	1112

FILENAME: R2554ASignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

OVERHEAD MOUNTED SIGN DESIGNS



TIP NO. R-2554A	SHEET NO. SIGN-4C
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	
SEAL	

SIGN NUMR: 111 BACKG. COLOR: Green DESIGN BY: DME CHK BY: STD #: \$STN N. C. DEPARTMENT OF TRANSPORTATION
 TYPE: A Ground COPY COLOR: White PROJECT ID: R-2554A DIV: 4 DATE: Jan 31, 2012 DIVISION OF HIGHWAYS
 QUANTITY: 1 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 4700mm HEIGHT: 5400mm TOTAL AREA: 25.4 Sq.m
 MAT'L: 3.2 mm ALUMINUM
 BORDER TYPE: FLUSH
 RECESS: 0mm
 WIDTH: 50mm
 RADII: 300mm
 NO. Z BARS: 6
 LENGTH: 4496.8 mm

SYMBOL	X	Y	WID	HT
M1_1	701	2421	1125	900
M1_4	2741	2418	1125	900

USE NOTES: 1,3,5
 1. Legend and border shall be direct applied Grade A reflective sheeting.
 2. Legend and border shall be direct applied Grade C reflective sheeting.
 3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.
 4. Background shall be Grade B reflective sheeting.
 5. Background shall be Grade C reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter													Series/Size Text Length		
E	X	I	T	S	3	5	5	A	-	B			E 2000		
565	223	268	88	215	203	250	361	361	308	380	414	194	308	565	3571
T	O														E 2000
3031	267	252	1150												519
S	O	U	T	H											E 2000
2524	304	40	321	294	276	243	698								1478
G	O	L	D	S	B	O	R	O							EM 2000
822	408	396	204	380	388	352	396	260	272	822					3056
W	I	L	S	O	N										EM 2000
1366	520	240	196	352	396	264	1366								1968
1	1/2	M	I	L	E	S									E 2000
1174	113	375	549	250	300	110	230	223	203	1174					2352

Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

SIGN NUMR: 112 BACKG. COLOR: Green DESIGN BY: DME CHK BY: STD #: \$STN N. C. DEPARTMENT OF TRANSPORTATION
 TYPE: A Ground COPY COLOR: White PROJECT ID: R-2554A DIV: 4 DATE: Jan 31, 2012 DIVISION OF HIGHWAYS
 QUANTITY: 1 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 4700mm HEIGHT: 5400mm TOTAL AREA: 25.4 Sq.m
 MAT'L: 3.2 mm ALUMINUM
 BORDER TYPE: FLUSH
 RECESS: 0mm
 WIDTH: 50mm
 RADII: 300mm
 NO. Z BARS: 6
 LENGTH: 4496.8 mm

SYMBOL	X	Y	WID	HT
M1_1	701	2421	1125	900
M1_4	2741	2418	1125	900

USE NOTES: 1,3,5
 1. Legend and border shall be direct applied Grade A reflective sheeting.
 2. Legend and border shall be direct applied Grade C reflective sheeting.
 3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.
 4. Background shall be Grade B reflective sheeting.
 5. Background shall be Grade C reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter													Series/Size Text Length		
E	X	I	T	S	3	5	5	A	-	B			E 2000		
565	223	268	88	215	203	250	361	361	308	380	414	194	308	565	3571
T	O														E 2000
3031	267	252	1150												519
S	O	U	T	H											E 2000
2524	304	40	321	294	276	243	698								1478
G	O	L	D	S	B	O	R	O							EM 2000
822	408	396	204	380	388	352	396	260	272	822					3056
W	I	L	S	O	N										EM 2000
1366	520	240	196	352	396	264	1366								1968
3/4	M	I	L	E	S										E 2000
1430	633	380	300	110	230	188	1430								1840

Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

GROUND MOUNTED SIGN DESIGNS



TIP NO. R-2554A	SHEET NO. SIGN-4D
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	
SEAL	

SIGN NUMBER: 106
TYPE: A
QUANTITY: 1
SIGN WIDTH: 3200mm
HEIGHT: 2500mm
TOTAL AREA: 8.0 Sq.m
BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 40mm
RADIUS: 300mm
NO. Z BARS: 3
LENGTH: 2996.8

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARMED	2313	900	483	760
W1_4	797	869	600	600

DESIGN BY: DP
PROJECT ID: R-2554A
CHECKED BY: AIA
DIV: 4
DATE: Apr 26, 2011

USE NOTES: 1,2,3,4
1. Legend and border shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
4. Shields shall be Grade B sheeting.

LETTER POSITIONS
Letter locations are panel edge to lower left corner

Letter	Series/Size	Text Length
E A S T	E 2000	817
B Y - P A S S	E 2000	1304
K i n s t o n	EM 2000	1984

FILENAME: R2554A8SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 104
TYPE: A
QUANTITY: 1
SIGN WIDTH: 3200mm
HEIGHT: 2500mm
TOTAL AREA: 8.0 Sq.m
BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 40mm
RADIUS: 300mm
NO. Z BARS: 3
LENGTH: 2996.8

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARMED	220	916	483	760
W1_4	1716	858	600	600

DESIGN BY: DP
PROJECT ID: R-2554A
CHECKED BY: AIA
DIV: 4
DATE: Apr 26, 2011

USE NOTES: 1,2,3,4
1. Legend and border shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
4. Shields shall be Grade B sheeting.

LETTER POSITIONS
Letter locations are panel edge to lower left corner

Letter	Series/Size	Text Length
W E S T	E 2000	847
B Y - P A S S	E 2000	1304
R a l e i g h	EM 2000	1953

FILENAME: R2554A5SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 107
TYPE: A
QUANTITY: 1
SIGN WIDTH: 3900mm
HEIGHT: 4300mm
TOTAL AREA: 16.8 Sq.m
BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 40mm
RADIUS: 300mm
NO. Z BARS: 5
LENGTH: 3696.8

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARMED	1556	3059	600	600
ARMED	243	2958	483	760
W1_4	946	814	600	600
ARMED	2910	435	483	760

DESIGN BY: DP
PROJECT ID: R-2554A
CHECKED BY: AIA
DIV: 4
DATE: Apr 26, 2011

USE NOTES: 1,2,3,4
1. Legend and border shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
4. Shields shall be Grade B sheeting.

LETTER POSITIONS
Letter locations are panel edge to lower left corner

Letter	Series/Size	Text Length
W E S T	E 2000	847
B Y - P A S S	E 2000	1304
R a l e i g h	EM 2000	1950
E A S T	E 2000	817
B Y - P A S S	E 2000	1304
K i n s t o n	EM 2000	1984

FILENAME: R2554A8SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 105
TYPE: A
QUANTITY: 1
SIGN WIDTH: 3900mm
HEIGHT: 4300mm
TOTAL AREA: 16.8 Sq.m
BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 40mm
RADIUS: 300mm
NO. Z BARS: 5
LENGTH: 3696.8

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARMED	1429	2943	600	600
ARMED	320	2933	483	760
W1_4	1164	897	600	600
ARMED	2928	605	483	760

DESIGN BY: DP
PROJECT ID: R-2554A
CHECKED BY: AIA
DIV: 4
DATE: Apr 26, 2011

USE NOTES: 1,2,3,4
1. Legend and border shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
4. Shields shall be Grade B sheeting.

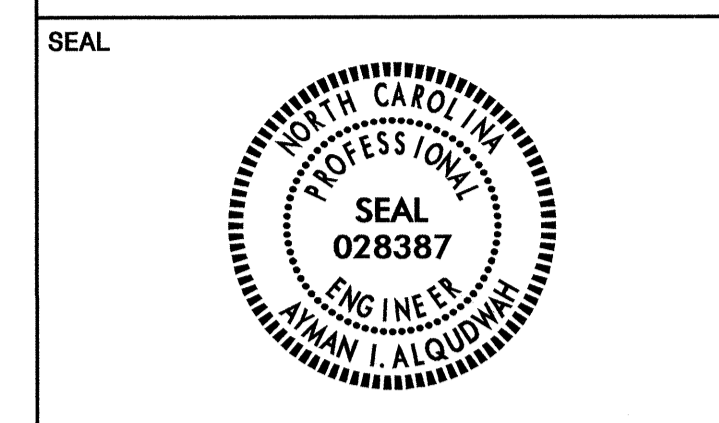
LETTER POSITIONS
Letter locations are panel edge to lower left corner

Letter	Series/Size	Text Length
E A S T	E 2000	817
B Y - P A S S	E 2000	1304
R a l e i g h	EM 2000	1950
W E S T	E 2000	847
B Y - P A S S	E 2000	1304
K i n s t o n	EM 2000	1950

FILENAME: R2554A8SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

GROUND MOUNTED SIGN DESIGNS

APPROVED: *[Signature]*
 DATE: 2-1-12



SIGN NUMBER: 113A
TYPE: B
QUANTITY: 1
SIGN WIDTH: 3400mm
HEIGHT: 800mm
TOTAL AREA: 2.7 Sq.m
BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 50mm
RADII: 150mm
NO. Z BARS: 2
LENGTH: 3196.8

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT

DESIGN BY: DP
PROJECT ID: R-2554A
CHECKED BY: AIA
DIV: 4
DATE: Apr 26, 2011

USE NOTES: 1,2
 1. Legend and border shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

Letter locations are panel edge to lower left corner

Letter	X	Y	WID	HT	Series/Size
E	405	625	895	990	EM 2000
X					770
I					EM 2000
T					1561

FILENAME: R2554ASignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 113B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 5100mm
HEIGHT: 4000mm
TOTAL AREA: 20.4 Sq.m
BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 40mm
RADII: 300mm
NO. Z BARS: 4
LENGTH: 4896.8

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	583	1759	1125	900
M1_4	2623	1757	1125	900
ARMED	4010	598	572	900

DESIGN BY: none
PROJECT ID: ID
CHECKED BY: DIV
DIV: DIV
DATE: Dec 01, 2011

USE NOTES: 1,2,3,4
 1. Legend and border shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Shields shall be Grade B sheeting.

Letter locations are panel edge to lower left corner

Letter	X	Y	WID	HT	Series/Size
T	2946	3213			E 2000
O					519
S	2439	2782	3103	3397	E 2000
U					1478
T					E 2000
H					1478
S	390	733	1054	1348	E 2000
O					1478
U					E 2000
T					3056
H					E 2000
G	582	990	1386	1590	E 2000
I					3056
d					E 2000
s					3056
b					E 2000
o					3056
r					E 2000
o					3056
M	808	1276	1484	1884	E 2000
t					2620
O					E 2000
I					2620
l					E 2000
i					2620
v					E 2000
e					2620

FILENAME: R2554ASignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMR: 102,108
TYPE: A Ground
QUANTITY: 2
SIGN WIDTH: 3300mm
HEIGHT: 3000mm
TOTAL AREA: 9.9 Sq.m
MAT'L: 3.2 mm ALUMINUM
BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 50mm
RADII: 300mm
NO. Z BARS: 3
LENGTH: 3096.8 mm

BACKG. COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1-5-3-24-7C	1200	1100	900	900
ARMED	1344	207	500	788

DESIGN BY: DME
PROJECT ID: R-2554A
CHK BY: STD #:
DIV: 4
DATE: Jan 31, 2012

USE NOTES: 1,3,5
 1. Legend and border shall be direct applied Grade A reflective sheeting.
 2. Legend and border shall be direct applied Grade C reflective sheeting.
 3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.
 4. Background shall be Grade B reflective sheeting.
 5. Background shall be Grade C reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Letter	X	Y	WID	HT	Series/Size
E	654	223	268	87	E 2000
X					1992
I					E 2000
T					1992
3					E 2000
5					1992
1					E 2000
1					1992

Spacing Factor is 1 unless specified otherwise

FILENAME: GSENG

GROUND MOUNTED SIGN DESIGNS



TIP NO. R-2554A	SHEET NO. SIGN-4F
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	
SEAL	



SIGN NUMBER: 103
TYPE: A
QUANTITY: 1

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 3300mm
HEIGHT: 1400mm
TOTAL AREA: 4.6 Sq.m

BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 40mm
RADII: 150mm

NO. Z BARS: 2
LENGTH: 3096.8

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: DP
PROJECT ID: R-2554A
CHECKED BY: AIA
DIV: 4
DATE: Apr 26, 2011

Panel Style: D. Generic. 6.6.1
M.U.T.C.D.: 2003 Edition

USE NOTES: 1,2
1. Legend and border shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter locations are panel edge to lower left corner													Series/Size
													Text Length
G	O	L	D	S	B	O	R	O					E 2000
363	708	1042	1215	1535	1863	2160	2495	2714					2581
N	E	X	T	4	E	X	I	T	S				E 2000
337	609	835	1084	1454	1952	2178	2450	2539	2757				2626

FILENAME: R2554ASignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMR: 101,109
TYPE: A Ground
QUANTITY: 2

BACKG. COLOR: Green
COPY COLOR: White

DESIGN BY: DME
PROJECT ID: R-2554A

CHK BY: DIV: 4

STD #: \$STN
DATE: Jan 31, 2012

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

SIGN WIDTH: 3300mm
HEIGHT: 2900mm
TOTAL AREA: 9.6 Sq.m

MAT'L: 3.2 mm ALUMINUM

BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 50mm
RADII: 300mm

NO. Z BARS: 3
LENGTH: 3096.8 mm

USE NOTES: 1,3,5
1. Legend and border shall be direct applied Grade A reflective sheeting.
2. Legend and border shall be direct applied Grade C reflective sheeting.
3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.
4. Background shall be Grade B reflective sheeting.
5. Background shall be Grade C reflective sheeting.
6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Letter spacings are to start of next letter											Series/Size
											Text Length
E	X	I	T	3	5	1					E 2000
654	223	268	87	188	380	361	372	114	654		1992
1/2		M	I	L	E						E 2000
768	557	380	300	110	230	188	768				1764

Spacing Factor is 1 unless specified otherwise
FILENAME: QSENG

SIGN NUMBER: 201
TYPE: A
QUANTITY: 1

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARMED	1464	185	464	750

SIGN WIDTH: 2300mm
HEIGHT: 1500mm
TOTAL AREA: 3.5 Sq.m

BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 40mm
RADII: 200mm

NO. Z BARS: 2
LENGTH: 2096.8

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: DP
PROJECT ID: R-2554A
CHECKED BY: AIA
DIV: 4
DATE: Apr 26, 2011

Spacing Factor is 1 unless specified otherwise

USE NOTES: 1,2
1. Legend and border shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter locations are panel edge to lower left corner											Series/Size
											Text Length
E	X	I	T								E 2000
694	958	1282	1396								924
3	5	0									D 2000
254	584	914									926

FILENAME: R2554ASignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

GROUND MOUNTED SIGN DESIGNS



TIP NO. R-2554A	SHEET NO. SIGN-4G
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	
SEAL	

SIGN NUMBER: 204
TYPE: A
QUANTITY: 1
SIGN WIDTH: 2700mm
HEIGHT: 1500mm
TOTAL AREA: 4.1 Sq.m
BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 40mm
RADI: 200mm
NO. Z BARS: 2
LENGTH: 2496.8

BACKG. COLOR: Green
COPY COLOR: White
SYMBOL: ARMED
X: 1893, Y: 191, WID: 464, HT: 750
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: DP
PROJECT ID: R-2554A
CHECKED BY: AJA
DIV: 4
DATE: Apr 26, 2011

USE NOTES: 1,2
1. Legend and border shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

E	X	I	T	Series/Size
840	1104	1428	1542	EM 2000
3	5	5	A	D 2000
227	557	887	1252	1344

FILENAME: R2554ASignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMR: 110
TYPE: A Ground
QUANTITY: 1
SIGN WIDTH: 3300mm
HEIGHT: 2900mm
TOTAL AREA: 9.6 Sq.m
MAT'L: 3.2 mm ALUMINUM
BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 50mm
RADI: 300mm
NO. Z BARS: 3
LENGTH: 3096.8 mm

BACKG. COLOR: Green
COPY COLOR: White
DESIGN BY: DME
PROJECT ID: R-2554A
CHK BY: DIV: 4
STD #: \$STN
DATE: Jan 31, 2012

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

USE NOTES: 1,3,5
1. Legend and border shall be direct applied Grade A reflective sheeting.
2. Legend and border shall be direct applied Grade C reflective sheeting.
3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.
4. Background shall be Grade B reflective sheeting.
5. Background shall be Grade C reflective sheeting.
6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

E	X	I	T	3	5	1	Series/Size			
654	223	268	87	187	380	361	372	114	654	E 2000
1	M	I	L	E						1992
990	114	380	300	110	230	188	989			E 2000
										1322

Spacing Factor is 1 unless specified otherwise
FILENAME: GSEMG

SIGN NUMBER: 202,203
TYPE: A
QUANTITY: 2
SIGN WIDTH: 2300mm
HEIGHT: 1500mm
TOTAL AREA: 3.5 Sq.m
BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 40mm
RADI: 200mm
NO. Z BARS: 2
LENGTH: 2096.8

BACKG. COLOR: Green
COPY COLOR: White
SYMBOL: ARMED
X: 1464, Y: 188, WID: 464, HT: 750
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: DP
PROJECT ID: R-2554A
CHECKED BY: AJA
DIV: 4
DATE: Apr 26, 2011

USE NOTES: 1,2
1. Legend and border shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

E	X	I	T	Series/Size
686	950	1274	1388	EM 2000
3	5	1		D 2000
254	584	914		754

FILENAME: R2554ASignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

GROUND MOUNTED SIGN DESIGNS


METRIC

TIP NO. R-2554A SHEET NO. SIGN-4H

APPROVED: *[Signature]*

DATE: 2-1-12

SEAL



SIGN NUMR: 114 BACKG. COLOR: Yellow,White DESIGN BY: DME CHK BY: STD #: S5TN N. C. DEPARTMENT OF TRANSPORTATION
 TYPE: B Ground COPY COLOR: Black PROJECT ID: R-2719AA DIV: 2 DATE: JAN 19, 2012 DIVISION OF HIGHWAYS
 QUANTITY: 1 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 2400mm HEIGHT: 1100mm TOTAL AREA: 2.6 Sq.m

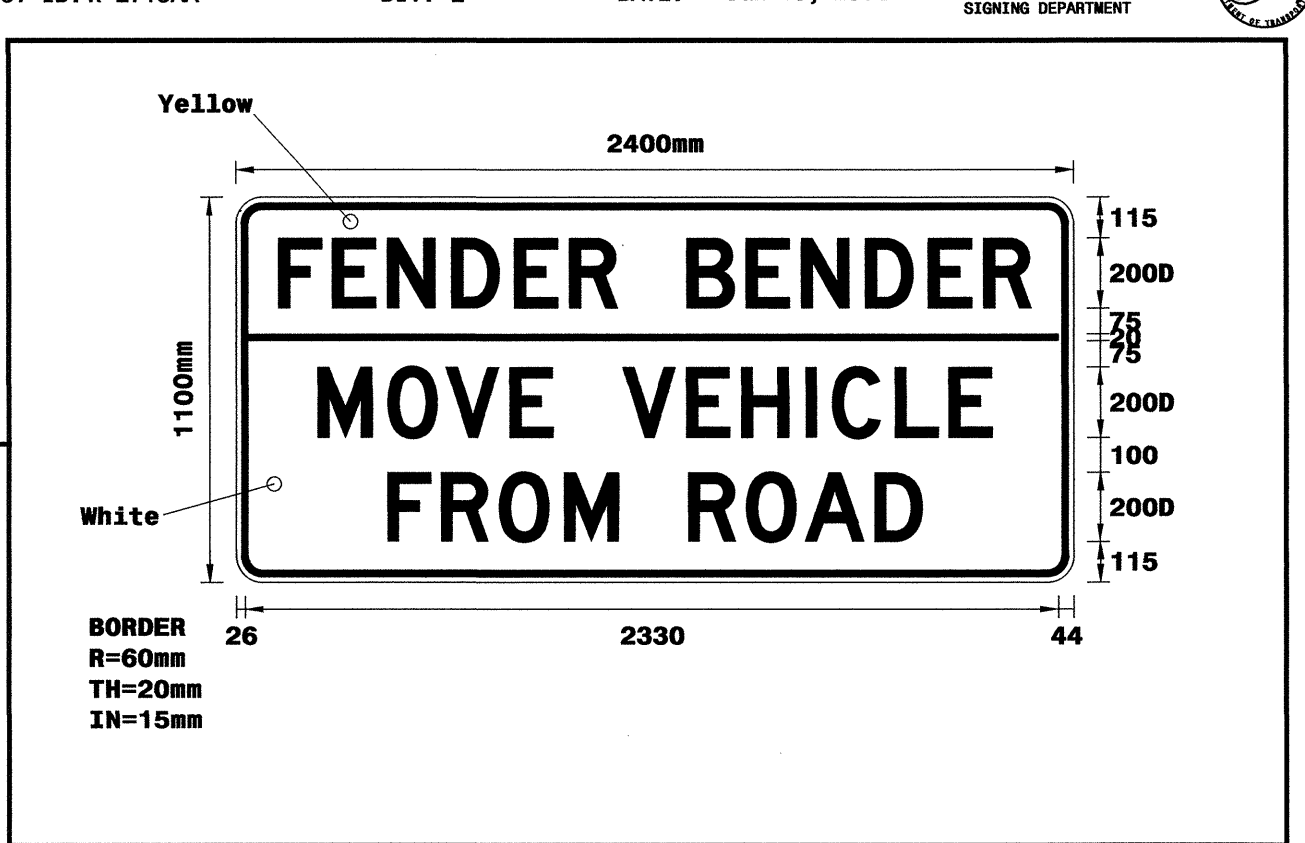
SYMBOL	X	Y	WID	HT

MAT'L: 3.2 mm ALUMINUM

BORDER TYPE: FLUSH
 RECESS: 15mm
 WIDTH: 20mm
 RADII: 60mm

NO. Z BARS: LENGTH: 2200 mm

USE NOTES: 1,5
 1. Legend and border shall be direct applied Non-reflective sheeting.
 2. Legend and border shall be direct applied Grade C reflective sheeting.
 3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Grade B reflective sheeting.
 5. Background shall be Grade C reflective sheeting.
 6. Center arrow(s) vertically on sign.



Letter locations are panel edge to lower left corner

Letter	X	Y	WID	HT
F	122	276	434	618
E	798	956	1092	1292
N	1462	1620	1804	1984
D	2142			
B				
E				
N				
D				
E				
R				
M	234	434	602	784
O	1108	1290	1448	1632
V	1708	1888	2042	
E				
H				
I				
C				
L				
E				
F	434	588	754	940
R	1096	1296	1462	1630
O	1830			
M				
R				
O				
A				
D				

Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

SIGN NUMBER: 205 BACKG COLOR: Green DESIGN BY: DP CHECKED BY: AIA DATE: Sept 20, 2011
 TYPE: A COPY COLOR: White PROJECT ID: R-2554A DIV: 4

QUANTITY: 1

SYMBOL	X	Y	WID	HT
ARMED	614	151	464	750

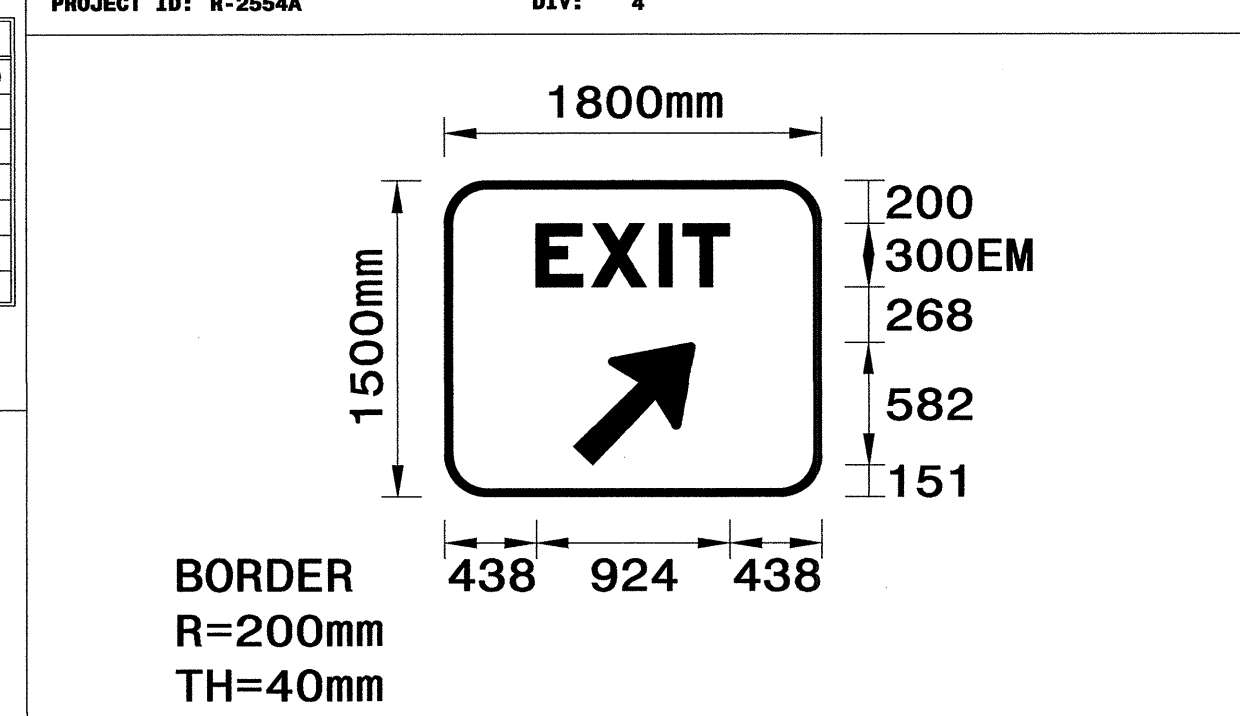
SIGN WIDTH: 1800mm HEIGHT: 1500mm TOTAL AREA: 2.7 Sq.m

BORDER TYPE: FLUSH
 RECESS: 0mm
 WIDTH: 40mm
 RADII: 200mm

NO. Z BARS: 2 LENGTH: 1596.8

MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1,2
 1. Legend and border shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.



Letter locations are panel edge to lower left corner

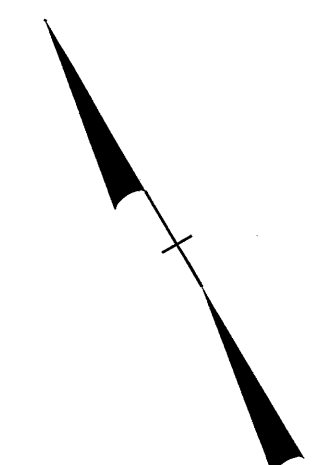
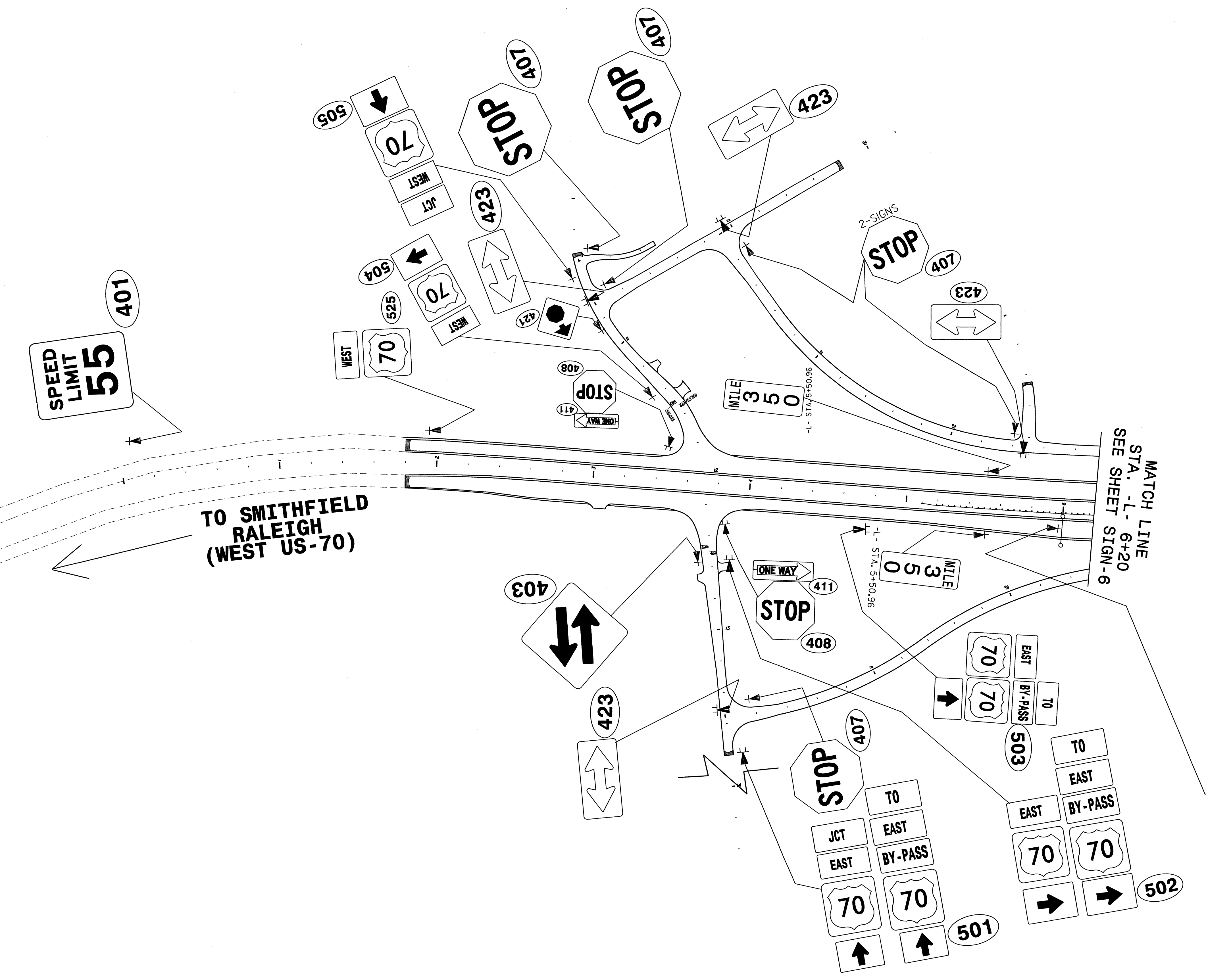
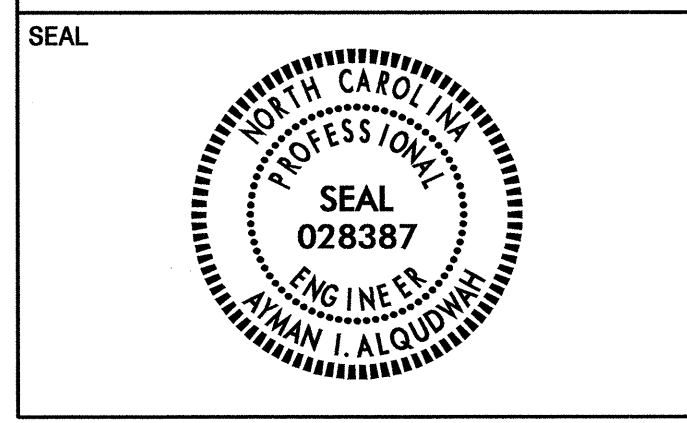
Letter	X	Y	WID	HT
E	438	702	1026	1140
X				
I				
T				

Spacing Factor is 1 unless specified otherwise
 FILENAME: R2554ASignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

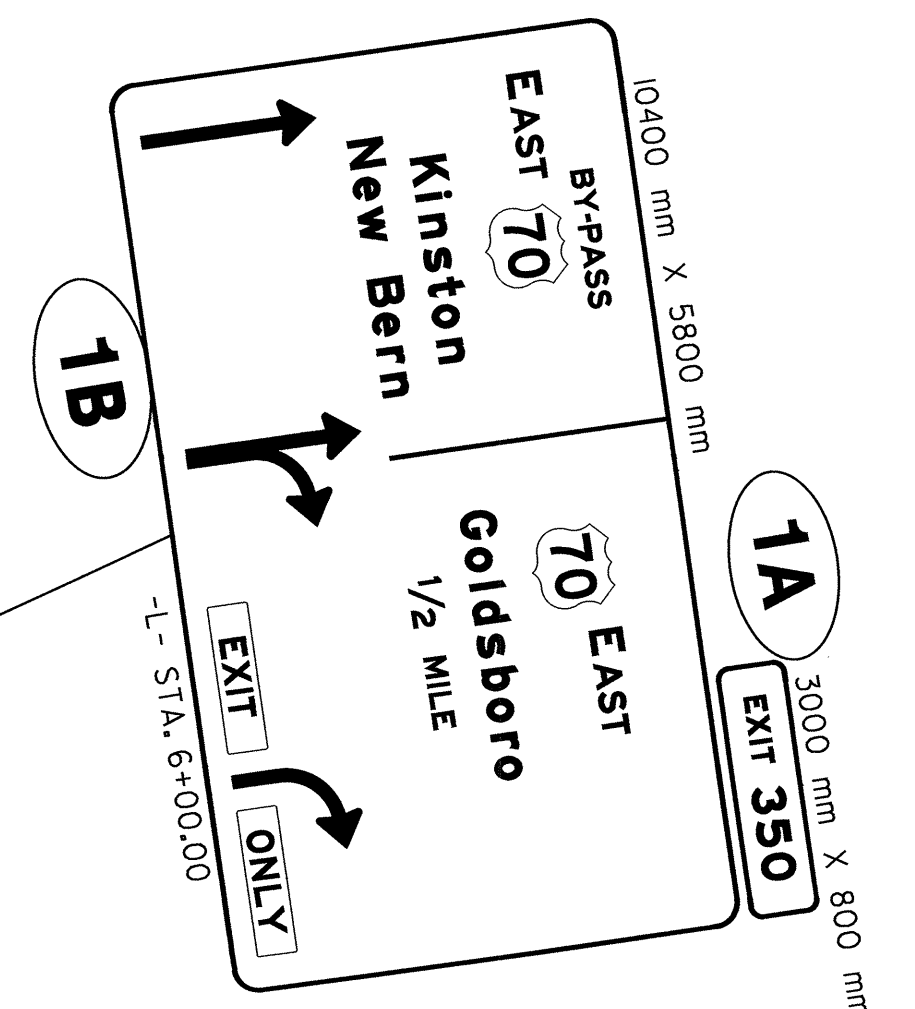
GROUND MOUNTED SIGN DESIGNS



TIP NO. R-2554A SHEET NO. SIGN-5
 APPROVED: *[Signature]*
 DATE: 2-1-12

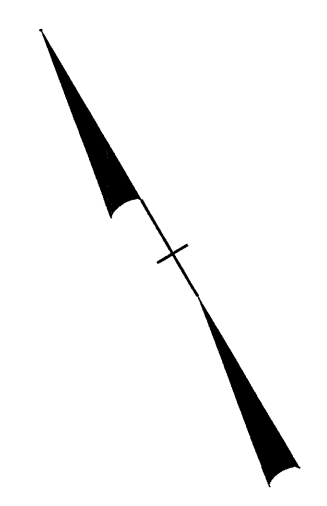
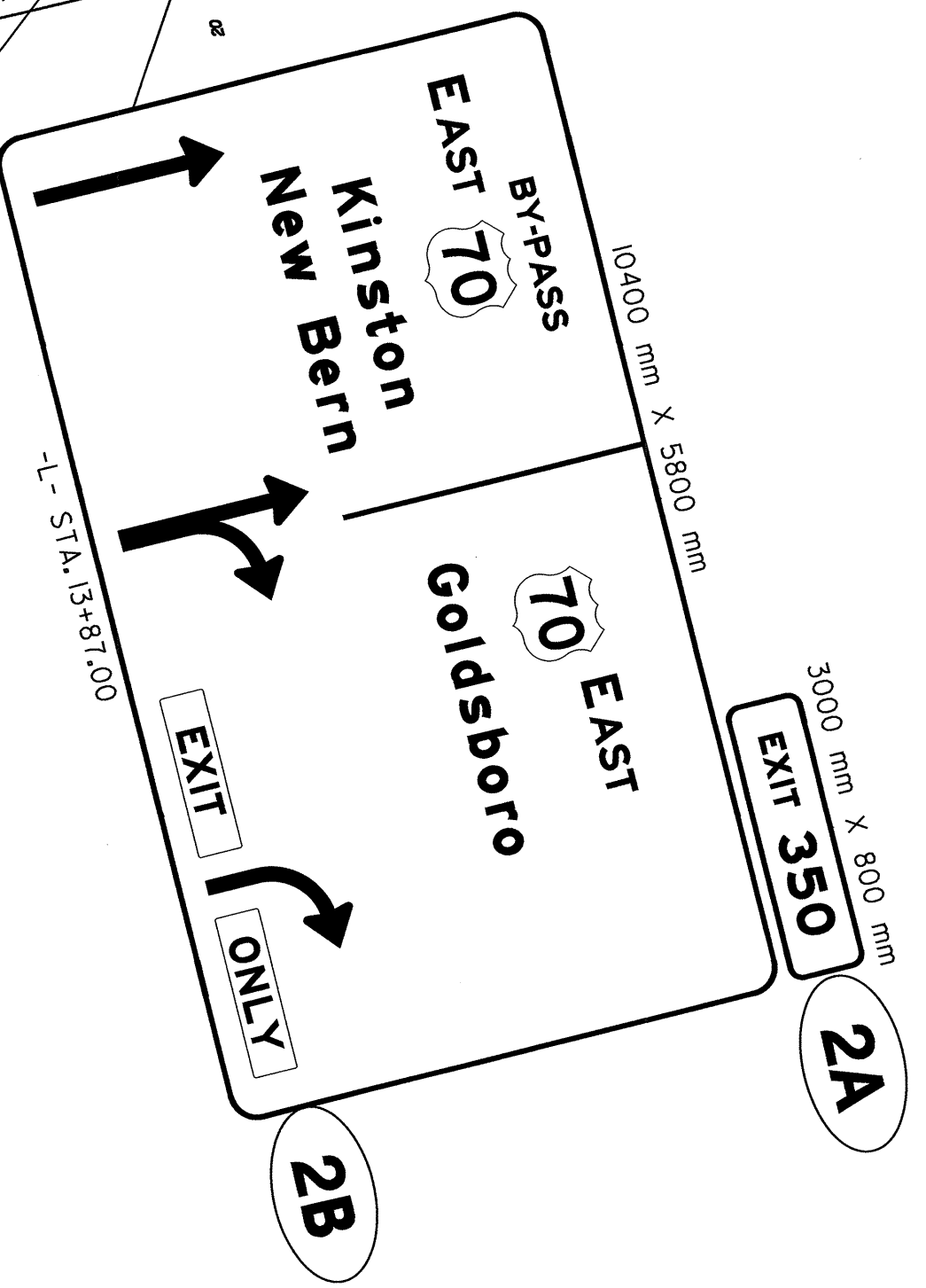
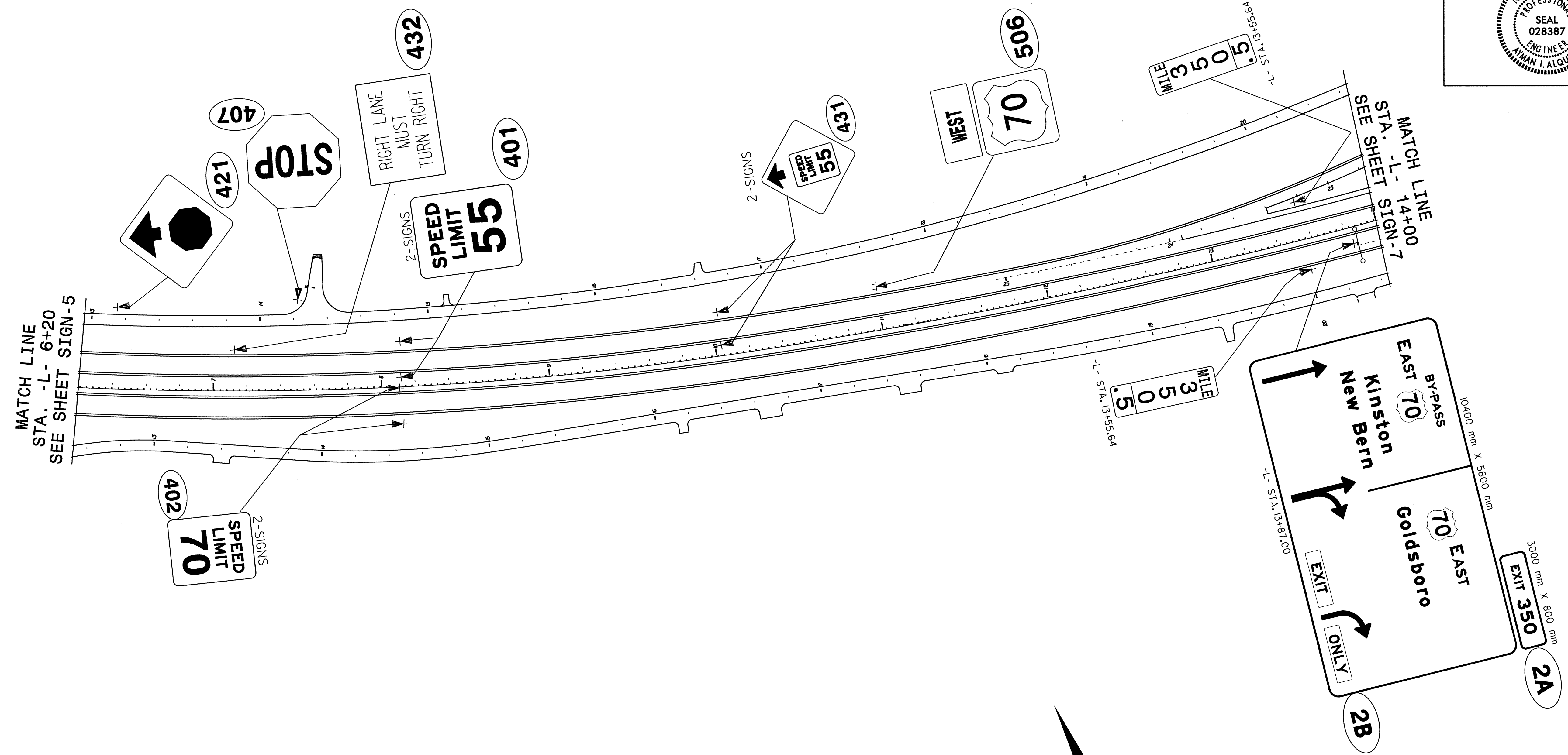


PROPOSED SIGNS
 -L- STA. 1+80.00 TO 6+20.00





TIP NO. R-2554A	SHEET NO. SIGN-6
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	
SEAL	

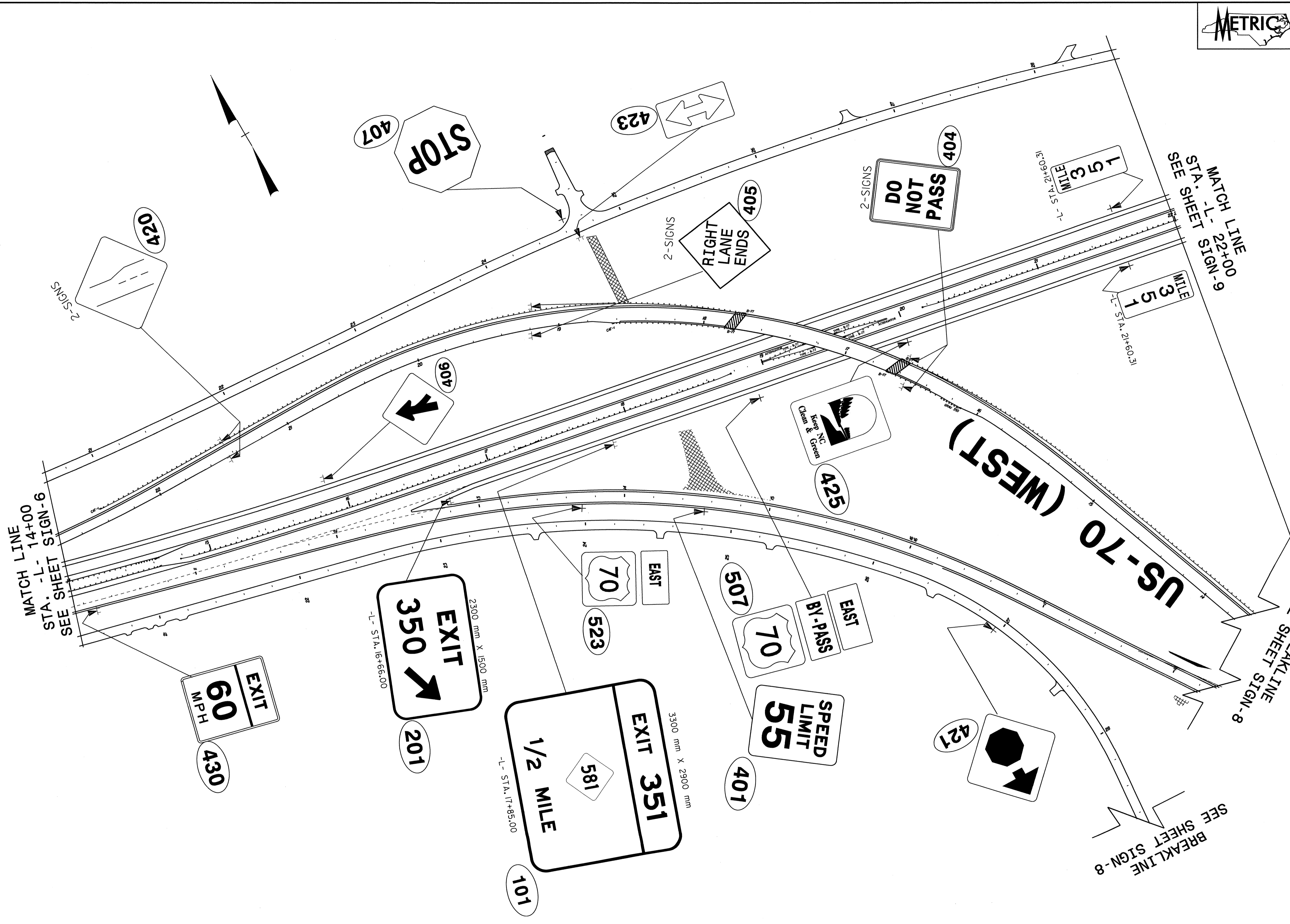


PROPOSED SIGNS
-L- STA. 6+20.00 TO 14+00.00



TIP NO. R-2854A SHEET NO. SIGN-7

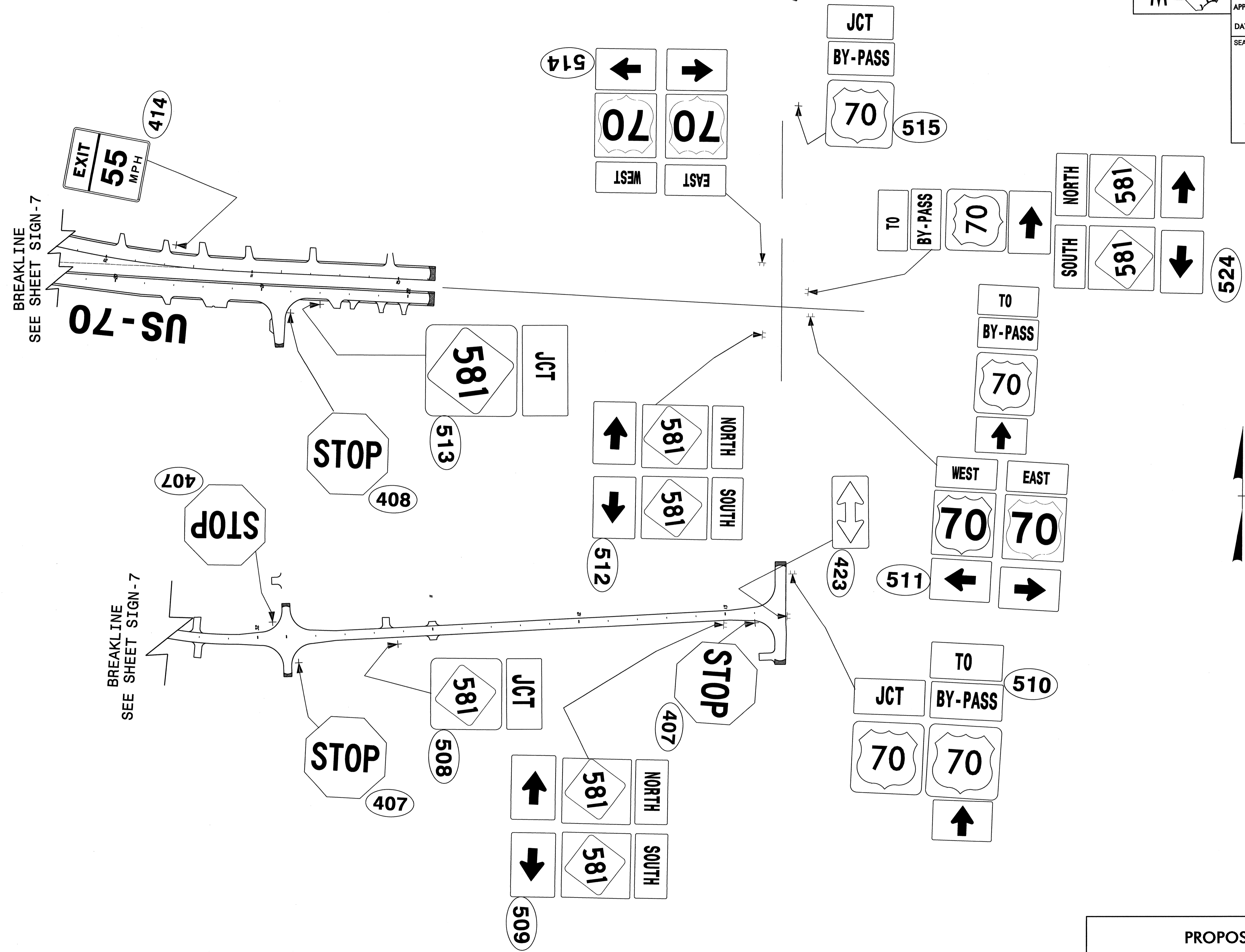
APPROVED: *[Signature]*
DATE: 2-1-12



PROPOSED SIGNS
-L- STA. 14+00.00 TO 22+00.00



TIP NO. R-2554A	SHEET NO. SIGN-8
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	
SEAL	



BREAKLINE
SEE SHEET SIGN-7

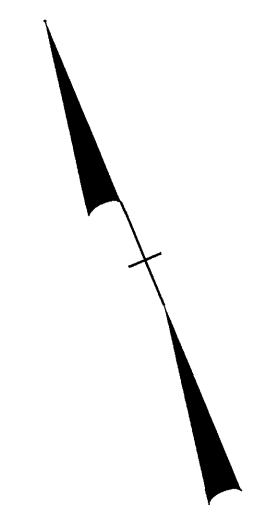
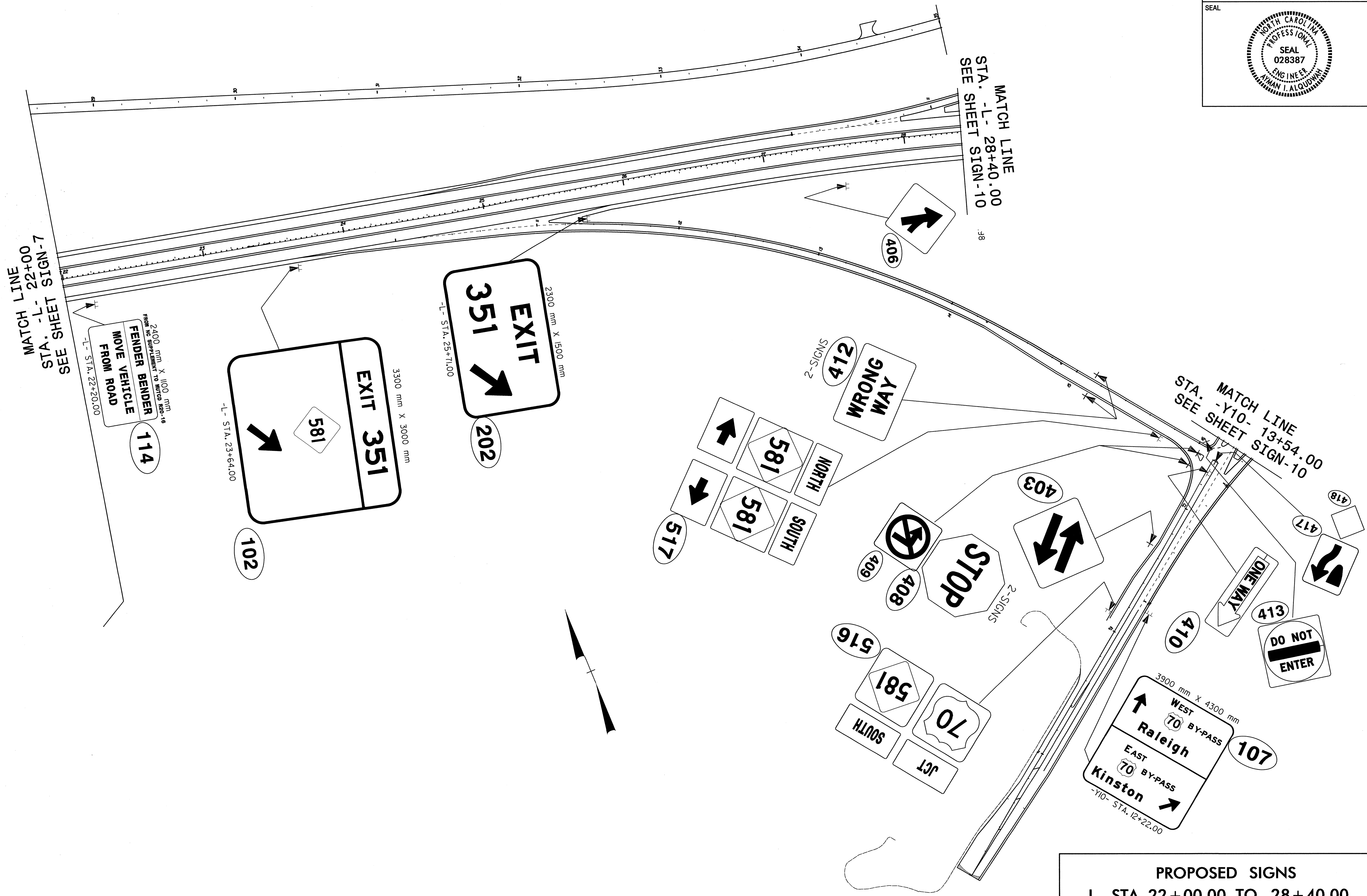
US-70

BREAKLINE
SEE SHEET SIGN-7

PROPOSED SIGNS
-RPCD- STA. 19+60.00 TO 22+18.051



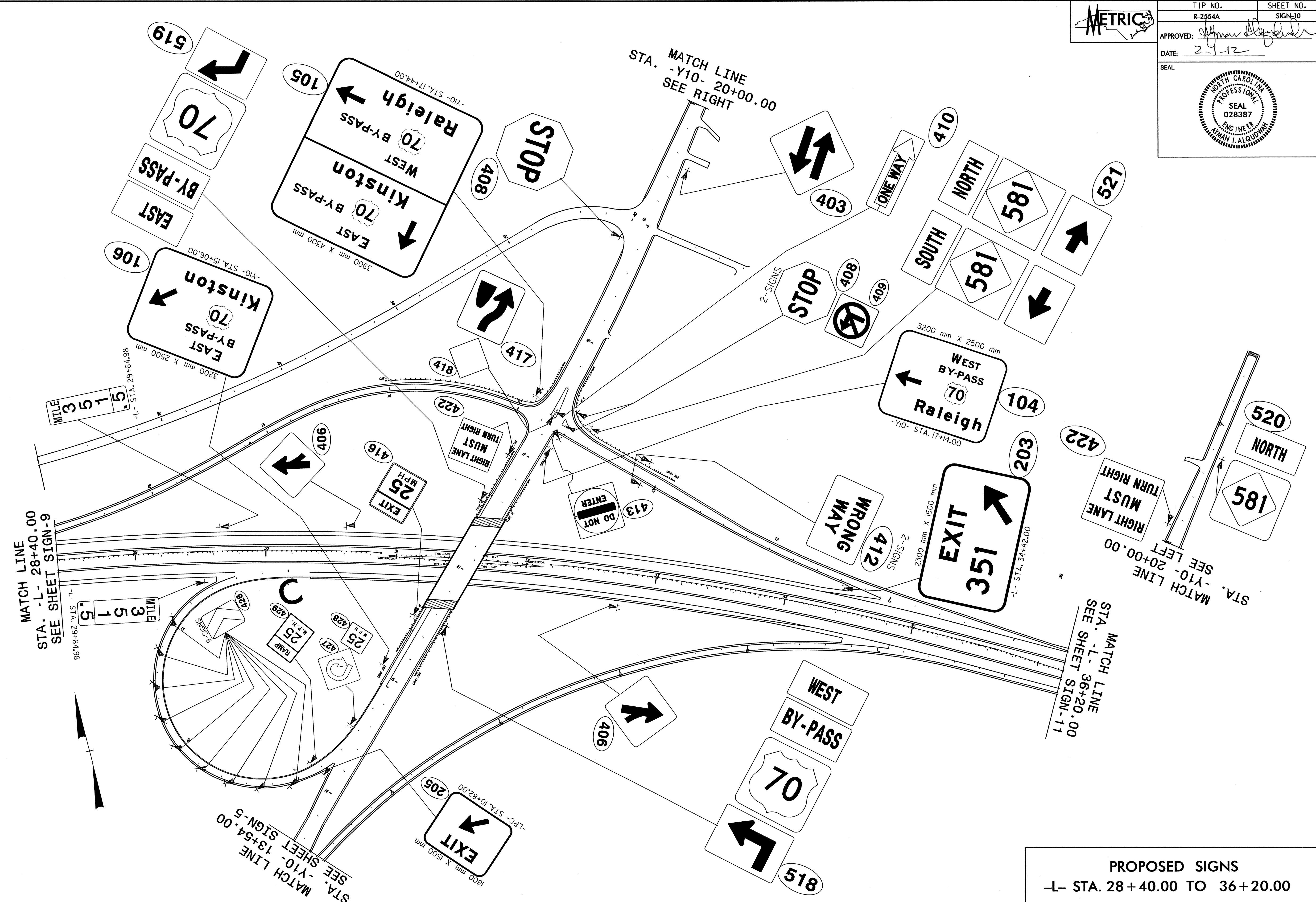
TIP NO. R-2554A	SHEET NO. SIGN-9
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	
SEAL	



PROPOSED SIGNS
 -L- STA. 22+00.00 TO 28+40.00



TIP NO. R-2554A SHEET NO. SIGN-10
 APPROVED: *[Signature]*
 DATE: 2-1-12



MATCH LINE
 STA. -L- 28+40.00
 SEE SHEET SIGN-9

MILE 3 5 1
 -L- STA. 29+64.98

MATCH LINE
 STA. -Y10- 13+54.00
 SEE SHEET SIGN-5

EXIT 205
 -L- STA. 10+82.00

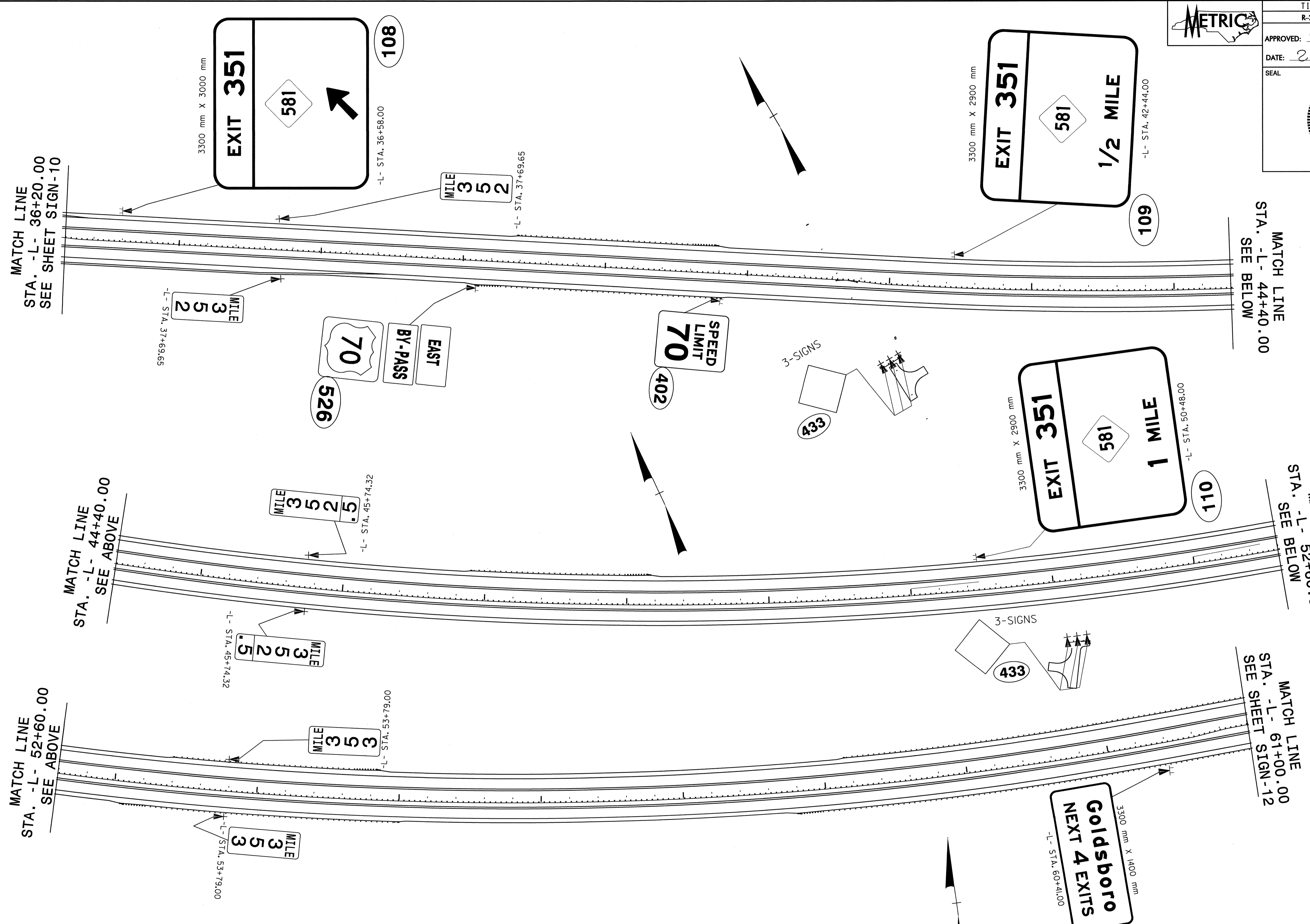
MATCH LINE
 STA. -Y10- 20+00.00
 SEE RIGHT

MATCH LINE
 STA. -L- 36+20.00
 SEE SHEET SIGN-11

MATCH LINE
 STA. -Y10- 20+00.00
 SEE LEFT

PROPOSED SIGNS
 -L- STA. 28+40.00 TO 36+20.00

TIP NO. R-2554A SHEET NO. SIGN-11
 APPROVED: *[Signature]*
 DATE: 2-1-12
 SEAL



PROPOSED SIGNS
 -L- STA. 36+20.00 TO 61+00.00

MATCH LINE
 STA. -L- 36+20.00
 SEE SHEET SIGN-10

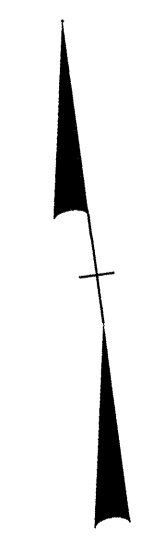
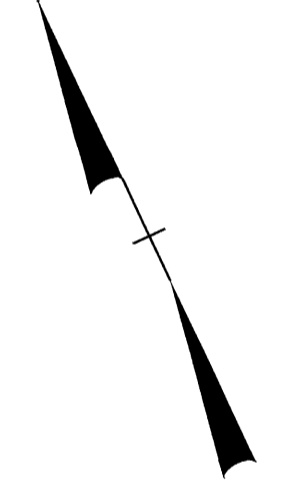
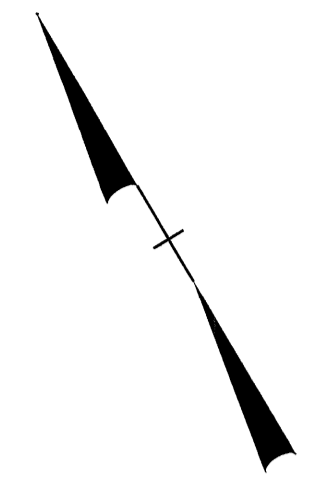
MATCH LINE
 STA. -L- 44+40.00
 SEE ABOVE

MATCH LINE
 STA. -L- 52+60.00
 SEE ABOVE

MATCH LINE
 STA. -L- 44+40.00
 SEE BELOW

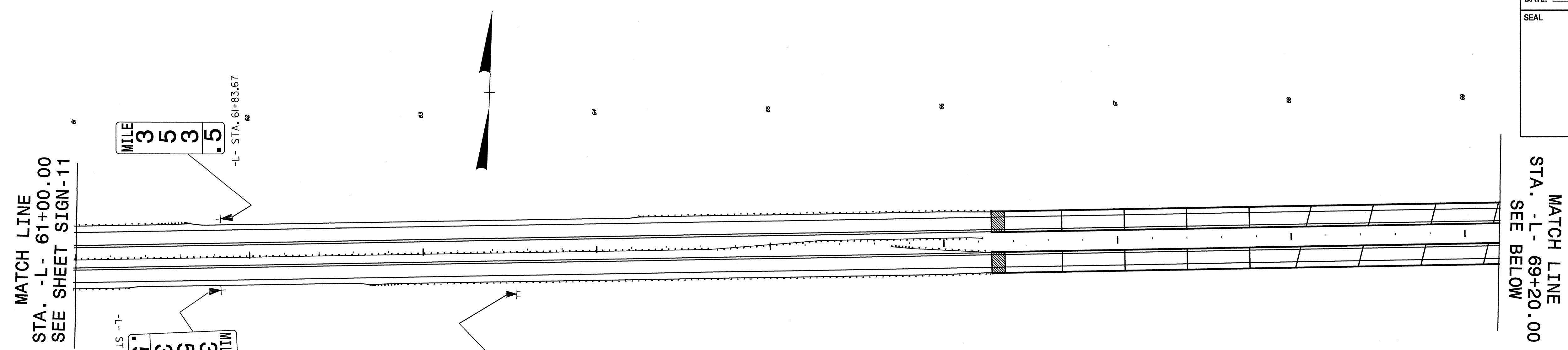
MATCH LINE
 STA. -L- 52+60.00
 SEE BELOW

MATCH LINE
 STA. -L- 61+00.00
 SEE SHEET SIGN-12



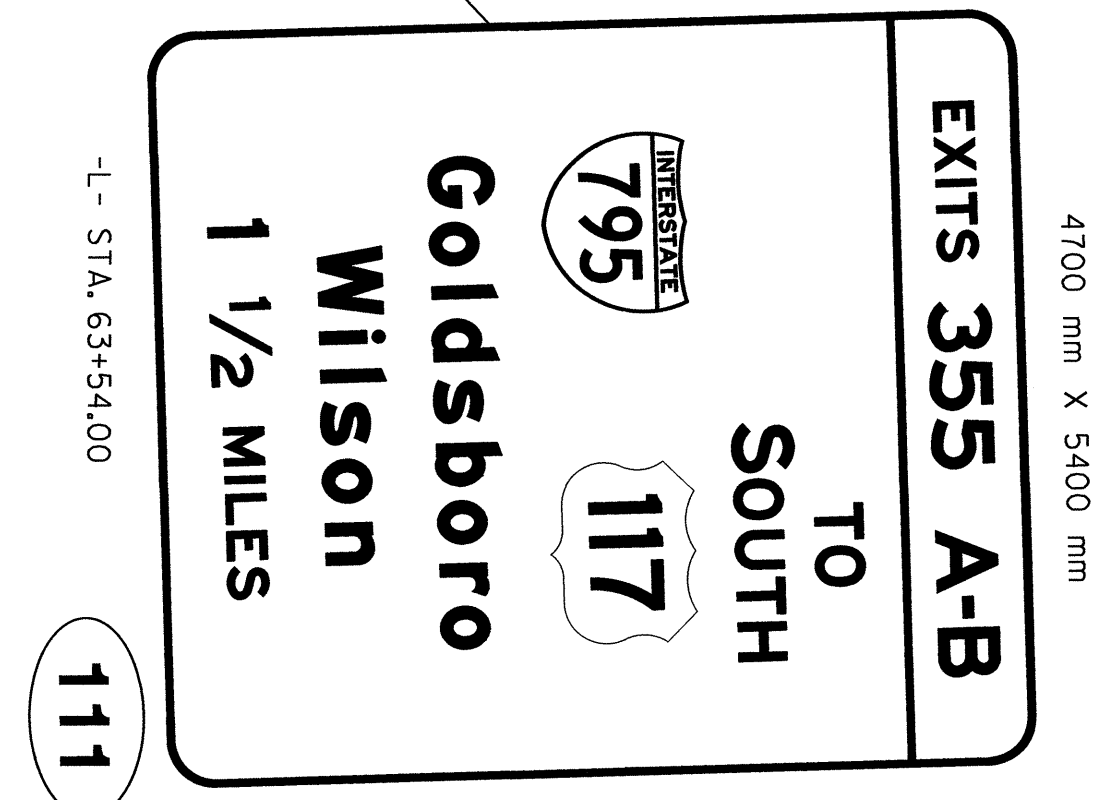


TIP NO. R-2564A	SHEET NO. SIGN-12
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	
SEAL	

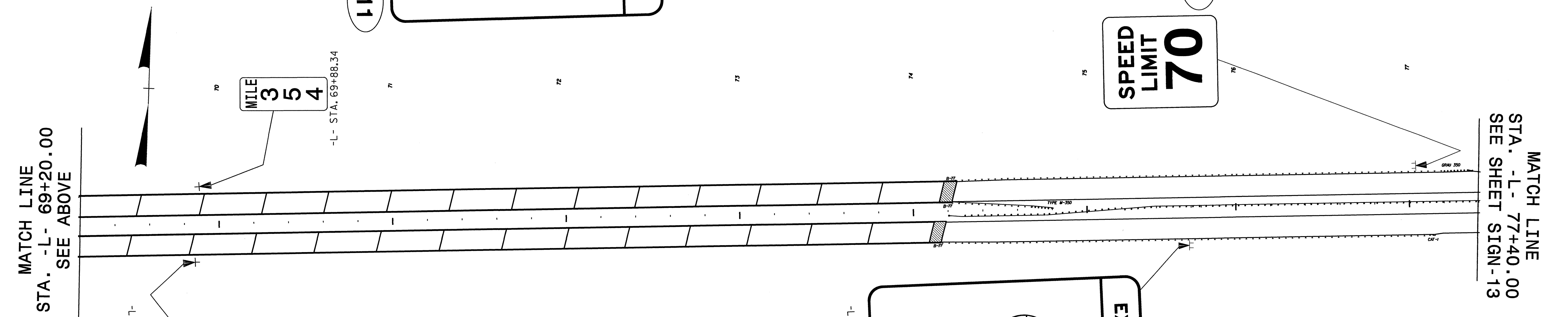


MATCH LINE
STA. -L- 61+00.00
SEE SHEET SIGN-11

MATCH LINE
STA. -L- 69+20.00
SEE BELOW

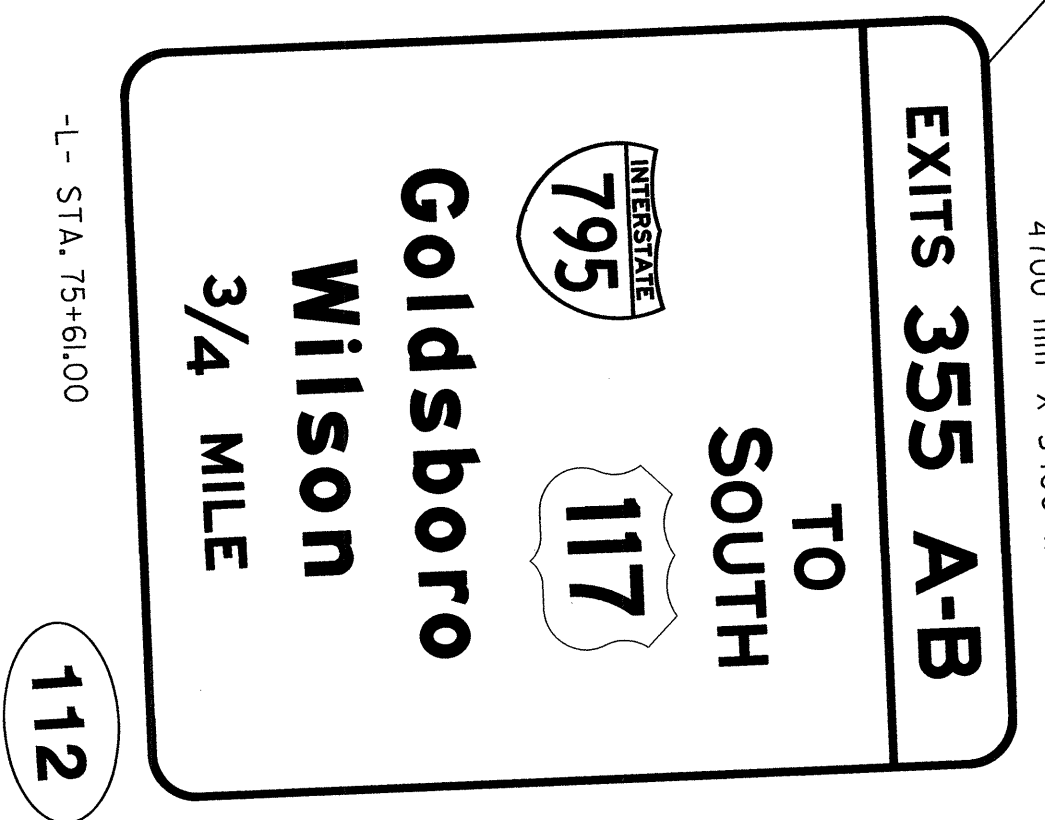


111

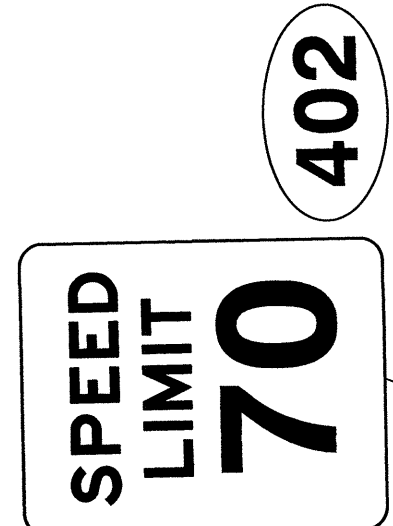


MATCH LINE
STA. -L- 69+20.00
SEE ABOVE

MATCH LINE
STA. -L- 77+40.00
SEE SHEET SIGN-13



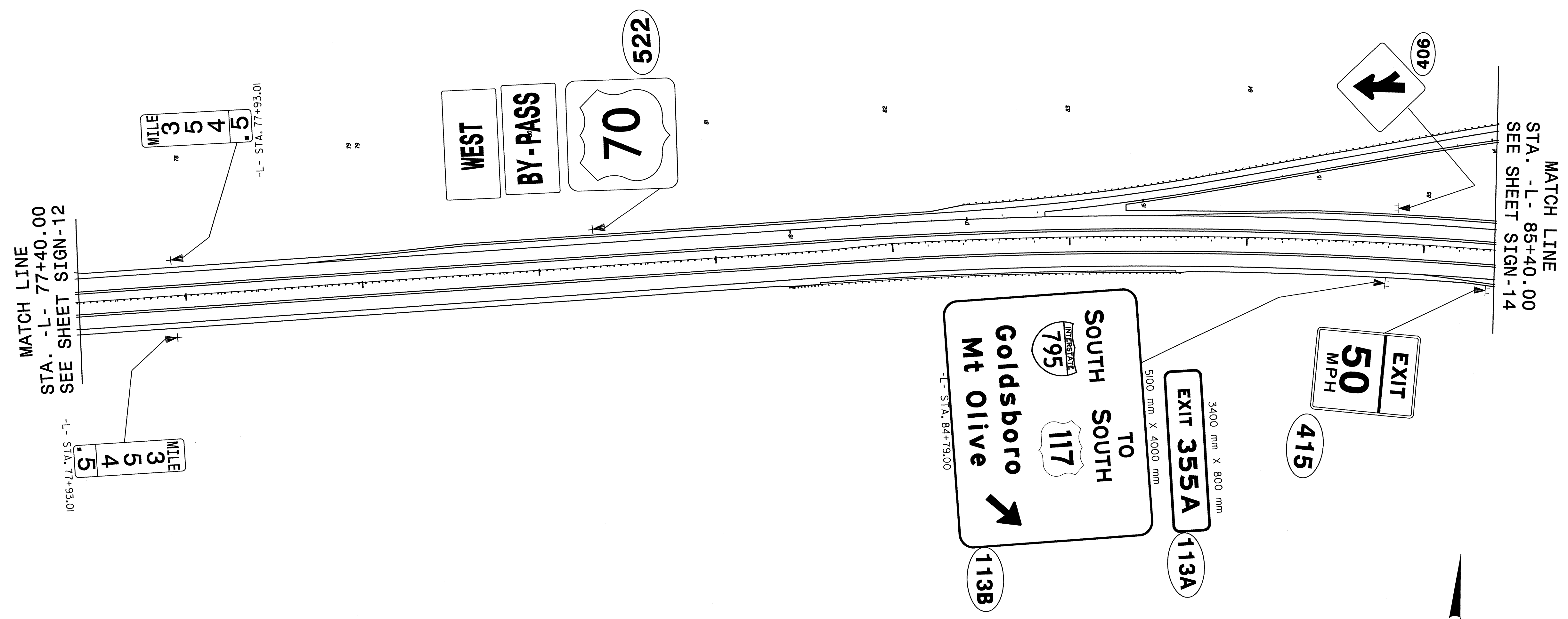
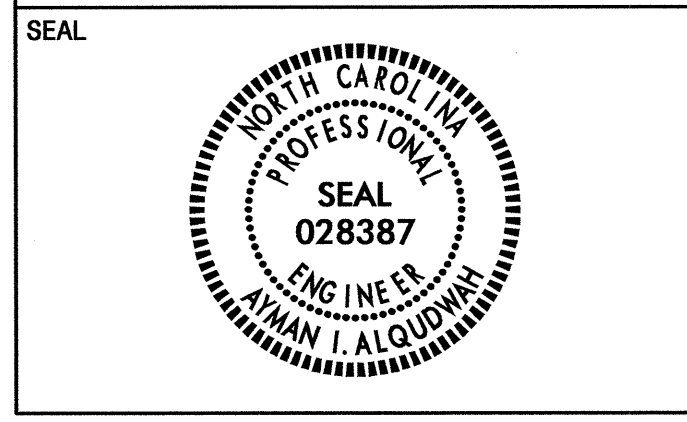
112



PROPOSED SIGNS
-L- STA. 61+00.00 TO 77+40.00



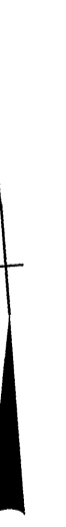
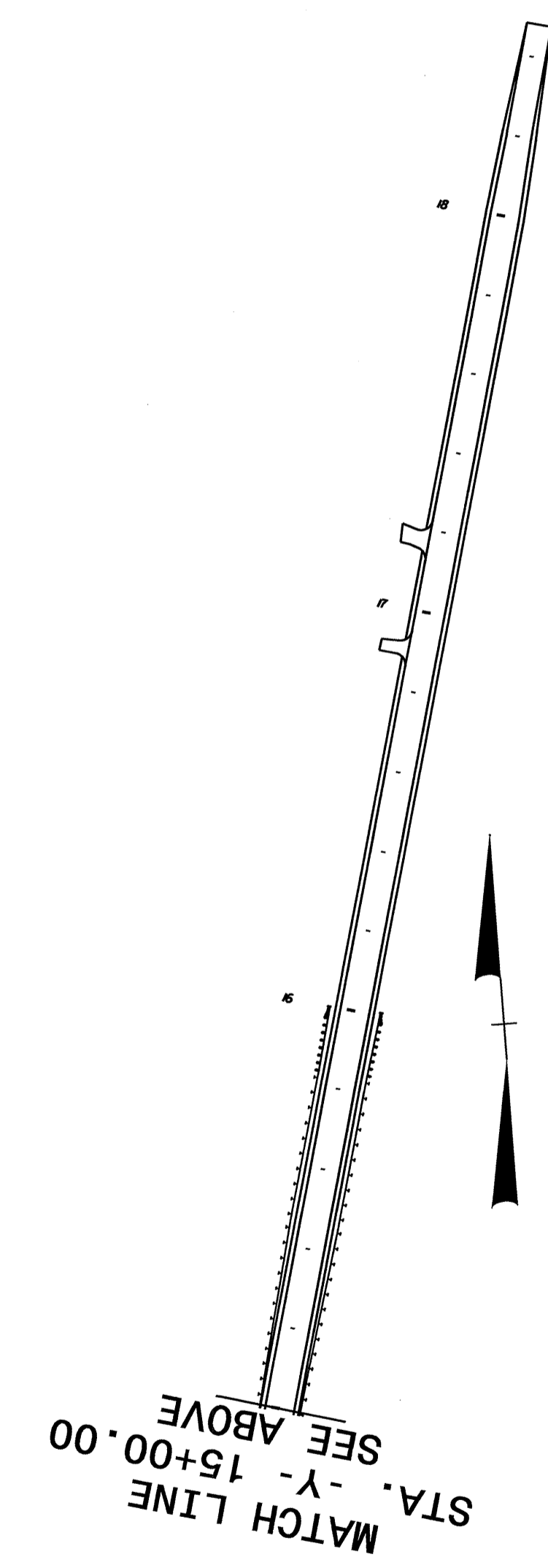
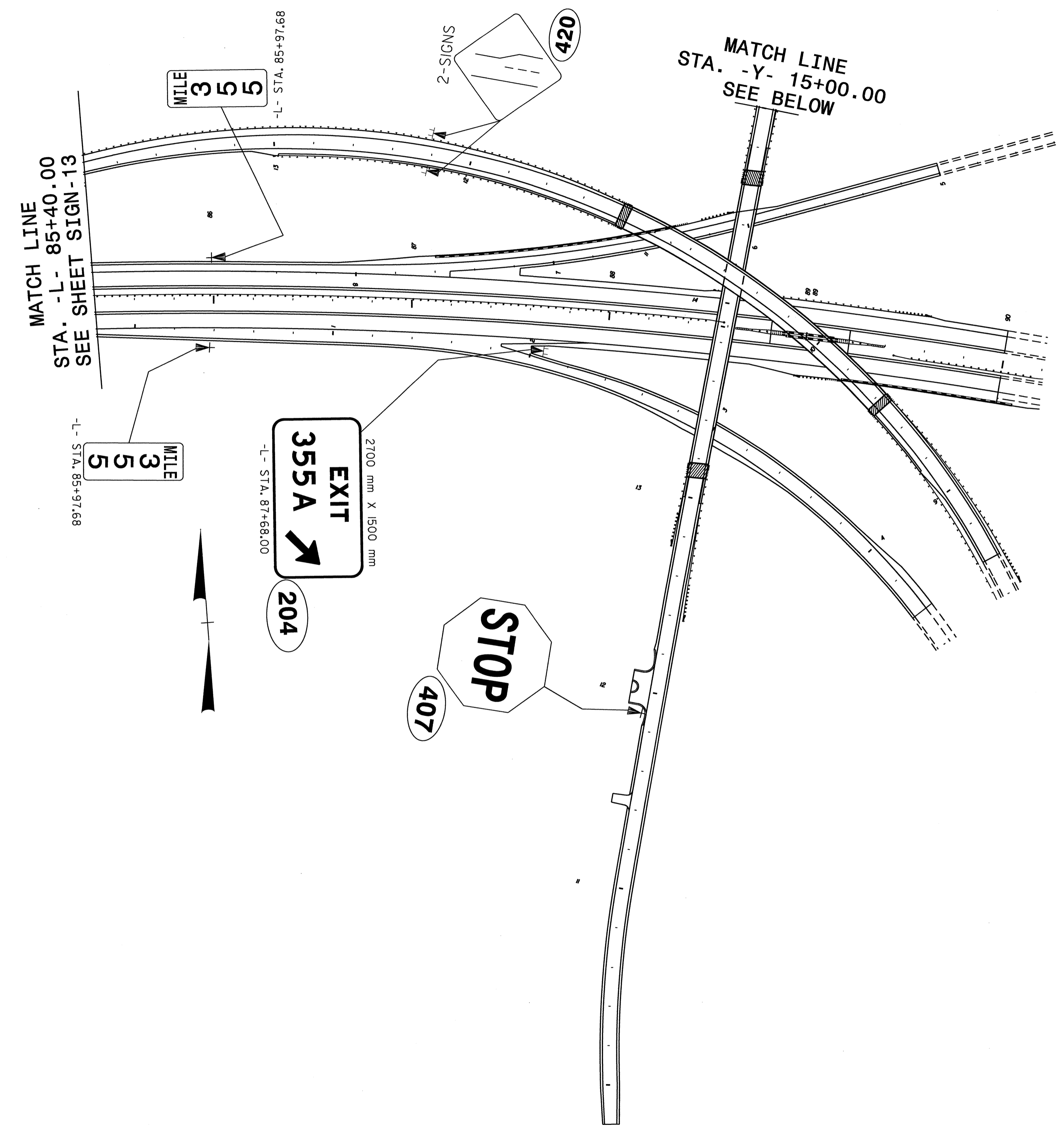
TIP NO. R-2554A	SHEET NO. SIGN-13
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	



PROPOSED SIGNS
-L- STA. 77+40.00 TO 85+40.00



TIP NO. R-2554A	SHEET NO. SIGN-14
APPROVED: <i>[Signature]</i>	
DATE: 2-1-12	
SEAL	



PROPOSED SIGNS
-L- STA. 85+40.00 TO 90+00.00