

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

TIP NO. I-5501	SHEET NO. SIGN-1
APPROVED: <i>R.W.K.</i>	DATE: 6/16/13
SEAL	

T.I.P.: I-5501

CONTRACT: C203200

SIGNING PLAN  
BUNCOMBE COUNTY

LOCATION: I-26/NC 280 INTERCHANGE IN ASHEVILLE

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 JANUARY 2012 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
903.30	BARRIER SIGN SUPPORT ASSEMBLY
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

PROJECT NOTES

- 1 RELOCATE SIGN, TYPE A (GROUND MOUNTED)
- 2 DISPOSAL OF SUPPORT, STEEL BEAM
- 3 DISPOSAL OF SIGN SYSTEM, 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.
- . 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

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	3	C.Y.
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	2	C.Y.
4057000000	SP	OVERHEAD FOOTING	45	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	2516	LB.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM	708	LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	1123	L.F.
4079000000	903	SUPPORTS, BARRIER (SMALL)	6	EA.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "22+00-L-NBL+."	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "29+70-L-NBL+."	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "33+40-L-SBL+."	1	L.S.
4096000000	904	SIGN ERECTION, TYPE D	4	EA.
4102000000	904	SIGN ERECTION, TYPE E	74	EA.
4108000000	904	SIGN ERECTION, TYPE F	8	EA.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)	7	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	3	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE A (GROUND MOUNTED)	8	EA.
4138000000	907	DISPOSAL OF SUPPORT, STEEL BEAM	16	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	44	EA.

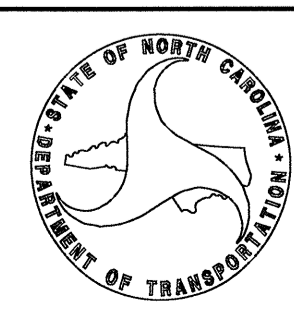
INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2 & 2A	SUPPORT INFORMATION
SIGN-3-3A	E AND F SHEETS
SIGN-4-4C	SIGN DESIGNS
SIGN-5-5B	OVERHEAD DETAILS
SIGN-6-8	SIGNING PLAN SHEETS

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

K. L. JORDAN SIGNING & DELINEATION REGIONAL ENGINEER

J. G. MARTINEZ SIGNING & DELINEATION PROJECT DESIGN ENGINEER



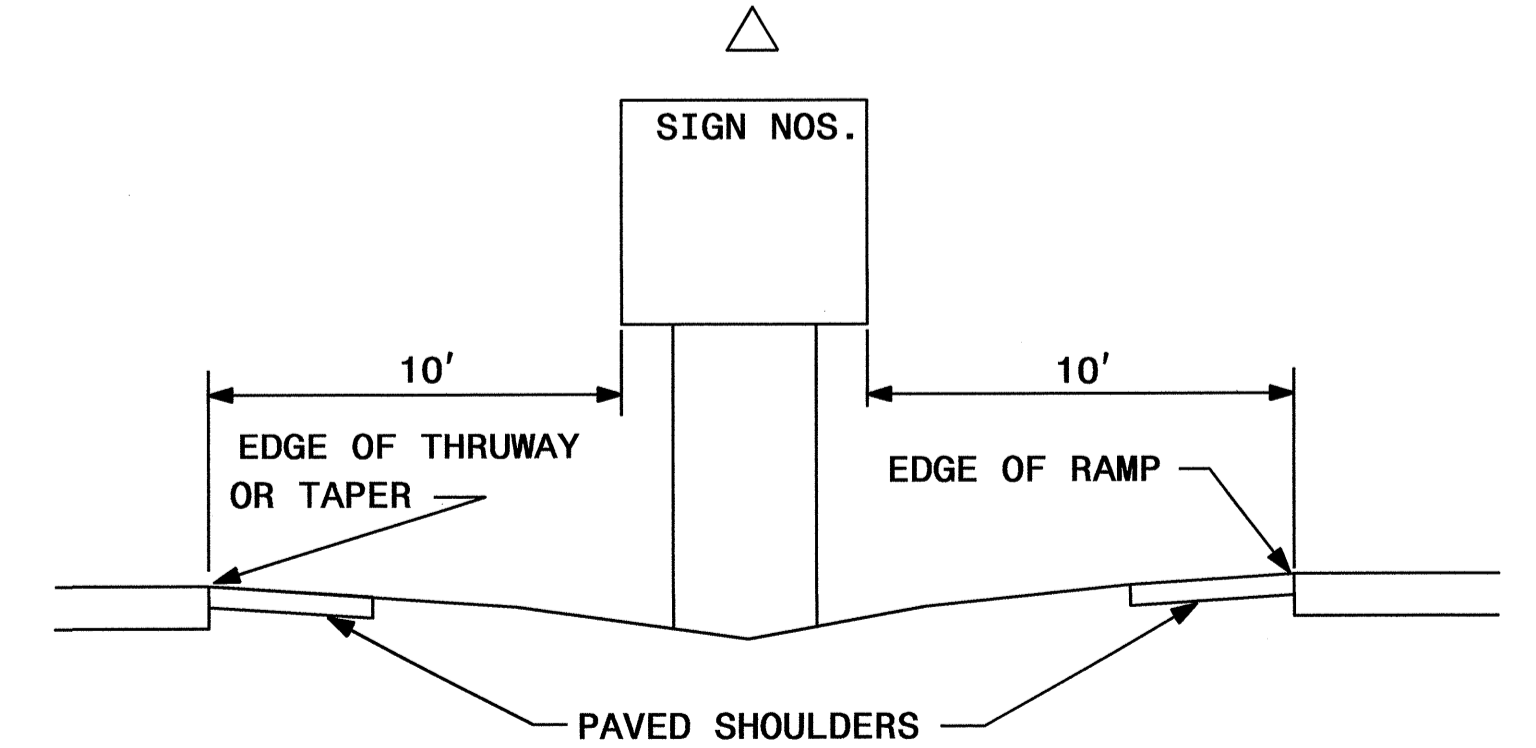
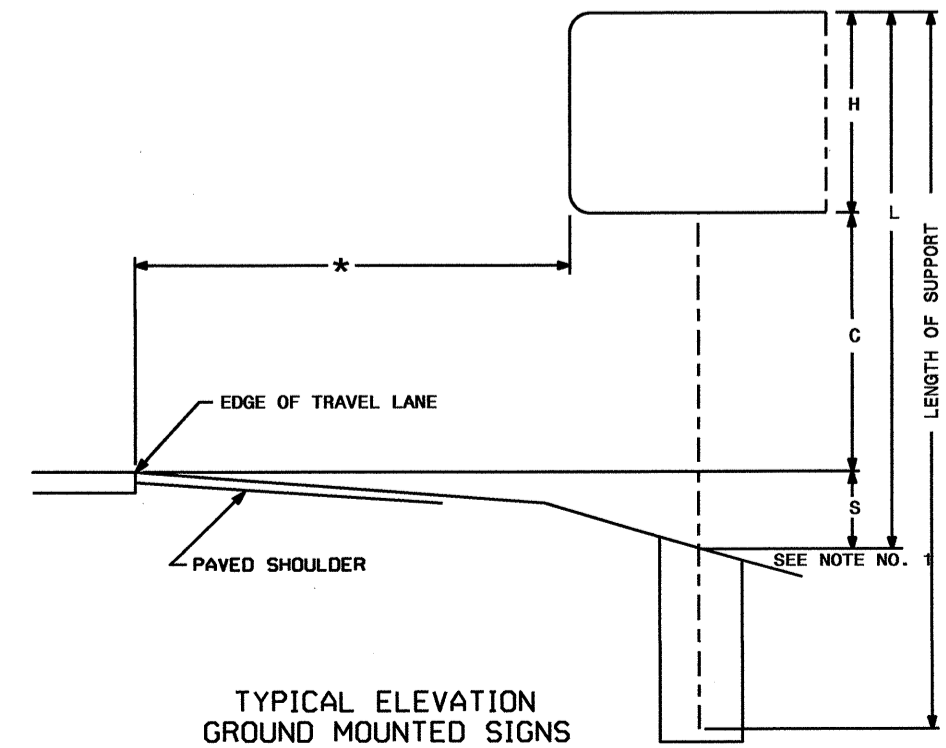
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DATE: 6/10/13	
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SIGN NO.	SIGN TYPE	SIGN SIZE (in.)			ROADWAY STATION	NO. OF SUP.	BEAM SECTION	SUPPORT TYPE	ATTACH METHOD	MOUNTING METHOD	HORIZ. CLR. (ft.)	LENGTH (ft)				LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			FOOTING DIAMETER (ft.)	FOOTING DEPTH (ft.)	B/A SUPPORT WEIGHTS (lbs.)	SIMPLE SUPPORT WEIGHTS (lbs.)	REINF. FTGS. (c.y.)	PLAIN FTGS. (c.y.)	FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
		w	x	h								SNS	HT	MTG	HT	EMBED-MENT	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH	S	L							
101	A	108	X90		15+75-L+-	2	S4x7.7	BA	N/A	N/A	12.00	5.00	7.50	4	-0.50	12.00	16.00	0.00	0.00	0.00	-0.50	12.00	16.00	1	4.5	287.01	0.00	0.00	0.26		
102	A	108	X90		39+50-L+-	2	S4x7.7	BA	N/A	N/A	12.00	5.00	7.40	4	-0.25	12.15	16.15	0.00	0.00	0.00	-0.40	12.00	16.00	1	4.5	288.16	0.00	0.00	0.26		
103	A	108	X60		25+31-L+-	2	W6x9	S	N/A	N/A	12.50	5.00	7.00	3.5	3.67	15.67	19.17	0.00	0.00	0.00	2.08	14.08	17.58	1.5	4	0.00	330.75	0.52	0.00		
901	B	90	X48		15+40-RPB+-	2	S3x5.7	S	N/A	N/A	22.00	4.00	7.58	3.5	-1.42	10.16	13.66	0.00	0.00	0.00	-3.58	8.00	11.50	1	4	0.00	143.41	0.00	0.23		
902	A	78	X102		16+90-RPB+-	2	W6x9	BA	N/A	N/A	18.00	8.50	7.00	4	1.75	17.25	21.25	0.00	0.00	0.00	1.25	16.75	20.75	1.5	4.5	441.12	0.00	0.59	0.00		
903	A	90	X72		16+90-RPB+-	2	S4x7.7	S	N/A	N/A	22.00	6.00	9.00	4	-2.75	12.25	16.25	0.00	0.00	0.00	-5.00	10.00	14.00	1	4.5	0.00	232.93	0.00	0.26		
904	A	90	X72		18+40-RPB+-	2	S4x7.7	BA	N/A	N/A	18.00	6.00	7.00	4	1.33	14.33	18.33	0.00	0.00	0.00	1.00	14.00	18.00	1	4.5	320.35	0.00	0.00	0.26		
905	B	90	X48		16+50-RPC+-	2	S3x5.7	BA	N/A	N/A	30.00	4.00	7.00	3.5	1.58	12.58	16.08	0.00	0.00	0.00	1.08	12.08	15.58	1	4	215.99	0.00	0.00	0.23		
906	A	78	X102		18+00-RPC+-	2	W6x9	BA	N/A	N/A	18.00	8.50	7.00	4	1.25	16.75	20.75	0.00	0.00	0.00	1.50	17.00	21.00	1.5	4.5	438.87	0.00	0.59	0.00		
907	A	90	X72		18+00-RPC+-	1	W6x9	BA	N/A	N/A	18.00	6.00	7.00	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.5	5	189.06	0.00	0.33	0.00		
908	A	90	X72		19+50-RPC+-	2	S4x7.7	BA	N/A	N/A	18.00	6.00	7.00	4	2.42	15.42	19.42	0.00	0.00	0.00	1.83	14.83	18.83	1	4.5	335.13	0.00	0.00	0.26		

TOTAL	2515.71	TOTAL	707.09	TOTAL	2.03	TOTAL	1.77
USE:	2516	708	3.00	2			


**NOTES**

- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF PAVEMENT.
- FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (\*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (\*) ARTICLE 1072-1. (\*) = N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES
- PLAN LOCATIONS FOR EXISTING UTILITIES ARE BASED ON THE BEST AVAILABLE INFORMATION AND, THEREFORE MAY NOT BE PRECISELY ACCURATE. THEREFORE, IT IS INCUMBENT UPON THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE BEGINNING WORK IN A LOCATION.



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

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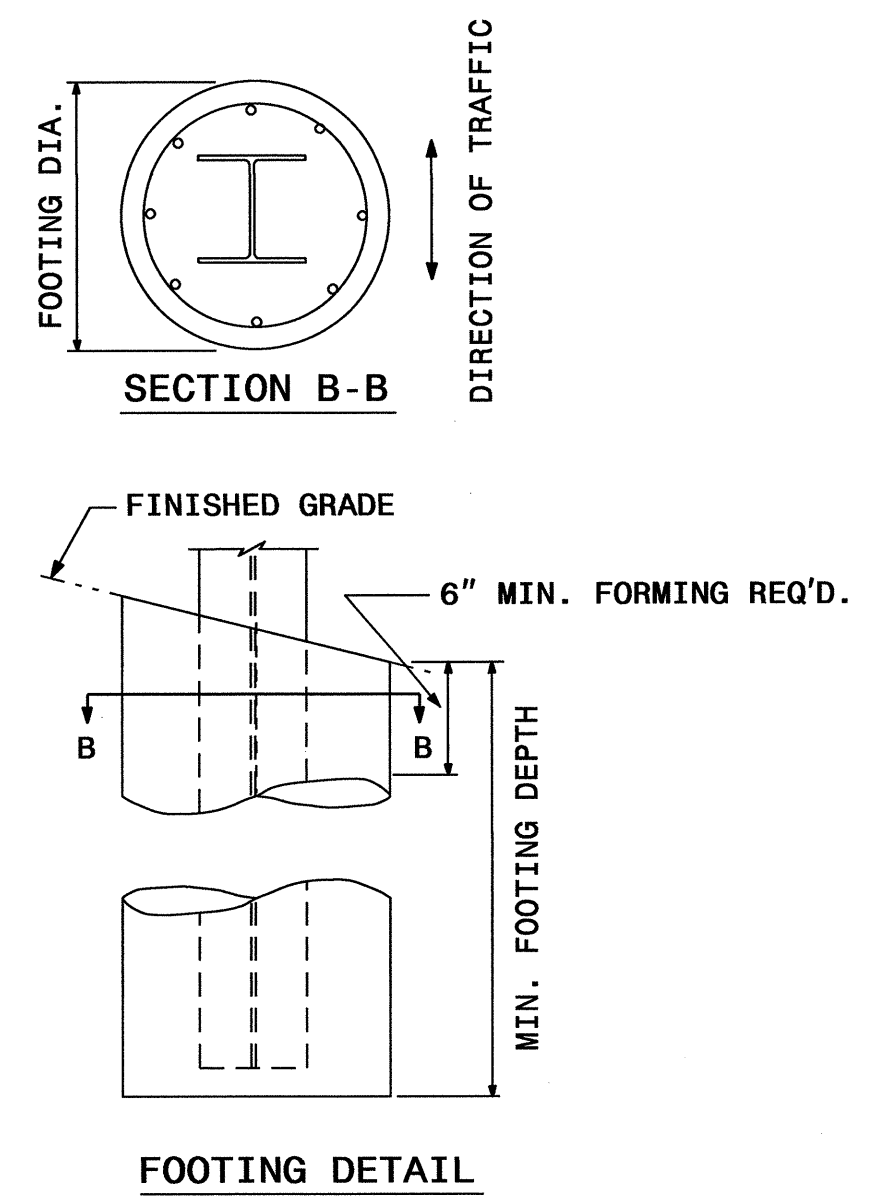
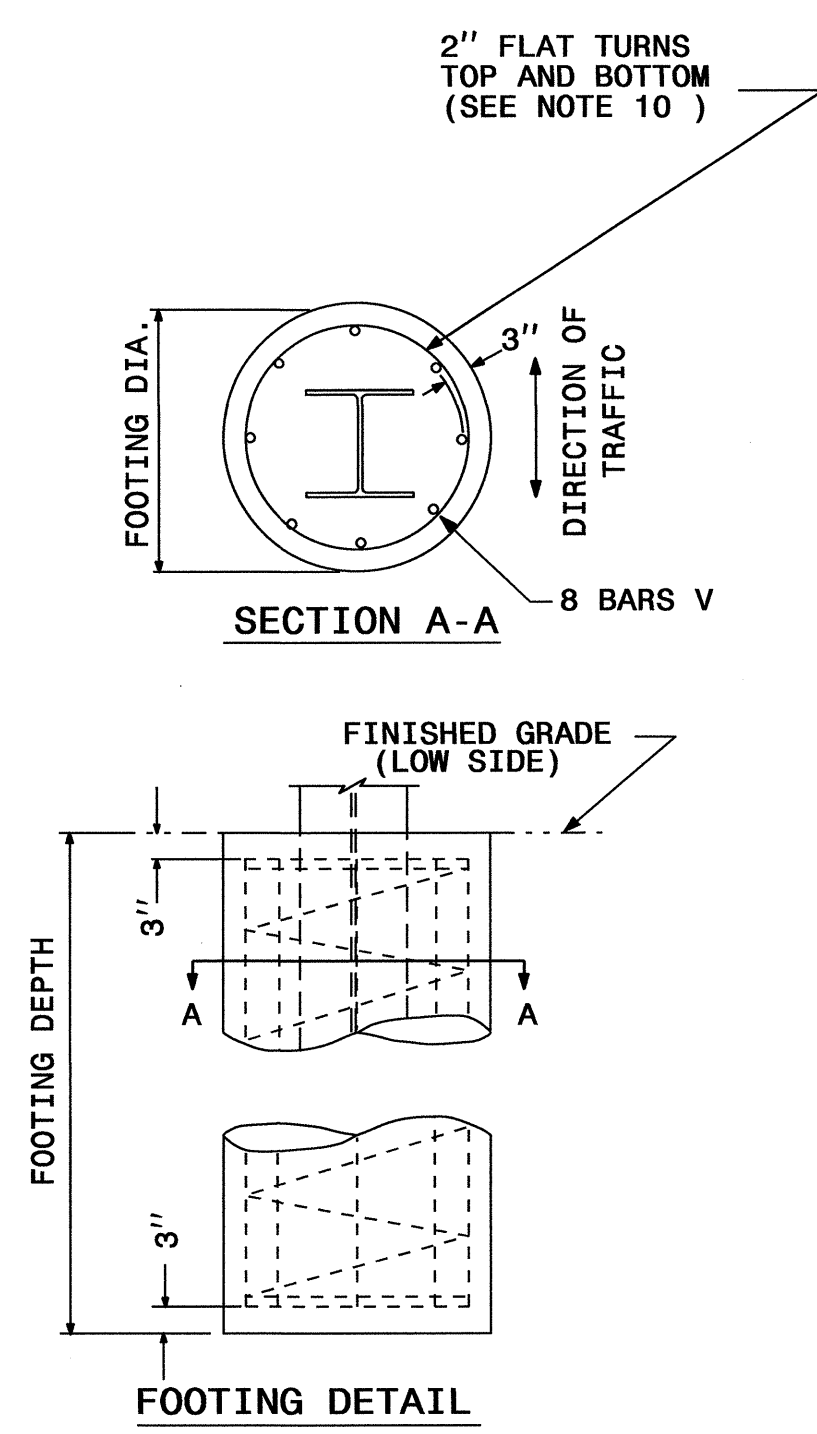
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DATE: 6/10/13	
SEAL	
	

STATE OF NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR  
**GROUND MOUNTED SIGN SUPPORTS**

SHEET 2 OF 3  
**903D10**

BEAM SHAPE	SLIP BASE PLATE DATA							KEEPER PLATE DATA							HINGE CONNECTION DATA							BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.				
	BOLT SIZE	A <sub>1</sub>	B <sub>1</sub>	C <sub>1</sub>	D <sub>1</sub>	E <sub>1</sub>	T <sub>1</sub>	R <sub>1</sub>	A <sub>2</sub>	B <sub>2</sub>	C <sub>2</sub>	D <sub>2</sub>	E <sub>2</sub>	R <sub>2</sub>	T <sub>2</sub>	BOLT SIZE	F	G	H	I	J		K	L	R <sub>3</sub>	T <sub>3</sub>
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"	1/2"	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"	1/2"	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"	1/2"	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"	11/32"	11"	5"	1 1/4"	7/8"	3 1/4"	11/32"	28 GAUGE	5/8" DIA. X 2 1/4"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	11/32"	3/8"	39
W6X16	5/8" DIA. X 3 3/4"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	11/32"	12"	6"	1 1/4"	7/8"	4 1/4"	11/32"	28 GAUGE	5/8" DIA. X 2 1/2"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	11/32"	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"	11/32"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	11/32"	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"	11/32"	1/2"	70
W8X21	3/4" DIA. X 4 1/4"	14"	7"	1 1/2"	1"	5"	1 1/2"	13/32"	14"	7"	1 1/2"	1"	5"	13/32"	28 GAUGE	3/4" DIA. X 2 3/4"	5 1/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	1/2"	73
W10X22	3/4" DIA. X 4 1/4"	16"	8"	1 1/2"	1"	6"	1 1/2"	13/32"	16"	8"	1 1/2"	1"	6"	13/32"	28 GAUGE	3/4" DIA. X 2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	1/2"	119
W10X26	3/4" DIA. X 4 3/4"	16 1/2"	8"	1 1/2"	1"	6"	1 3/4"	13/32"	16 1/2"	8"	1 1/2"	1"	6"	13/32"	28 GAUGE	3/4" DIA. X 2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	5/8"	140
W12X26	3/4" DIA. X 4 3/4"	18 1/2"	9"	1 1/2"	1"	7"	1 3/4"	13/32"	18 1/2"	9"	1 1/2"	1"	7"	13/32"	28 GAUGE	3/4" DIA. X 2 3/4"	6 1/2"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	5/8"	176
W14X30	1" DIA. X 5"	22"	9"	2"	1 1/2"	6"	2"	17/32"	22"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1" DIA. X 3"	6 3/4"	7"	8"	1 1/4"	2"	1"	4"	17/32"	5/8"	205
W16X31	1" DIA. X 5"	24"	9"	2"	1 1/2"	6"	2"	17/32"	24"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1" DIA. X 3 1/4"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	17/32"	3/4"	223
W18X35	1" DIA. X 5"	25"	9"	2"	1 1/2"	6"	2"	17/32"	25"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1" DIA. X 3 1/4"	6"	7"	8"	1 1/4"	2"	1"	4"	17/32"	3/4"	243
W18X40	1" DIA. X 5 1/2"	26"	9"	2"	1 1/2"	6"	2 1/4"	17/32"	26"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1" DIA. X 3 3/4"	6"	7"	8"	1 1/4"	2"	1"	4"	17/32"	7/8"	278
W21X44	1" DIA. X 5 1/2"	29"	9"	2"	1 1/2"	6"	2 1/2"	17/32"	29"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1" DIA. X 3 3/4"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	17/32"	7/8"	310



FOUNDATION DATA *		
FOOTING DIAMETER	REINFORCEMENT	SPIRAL BAR
1' 6"	8 # 6 BARS	#3 BAR, 6" PITCH
2'	8 # 7 BARS	#3 BAR, 6" PITCH
2' 6"	8 # 9 BARS	#3 BAR, 6" PITCH
3'	8 # 11 BARS	#3 BAR, 6" PITCH
3' 6"	8 # 12 BARS	#3 BAR, 6" PITCH
4'	8 # 14 BARS	#3 BAR, 6" PITCH

\* FOUNDATION DIMENSIONS ARE SHOWN IN PLANS

STATE OF NORTH CAROLINA  
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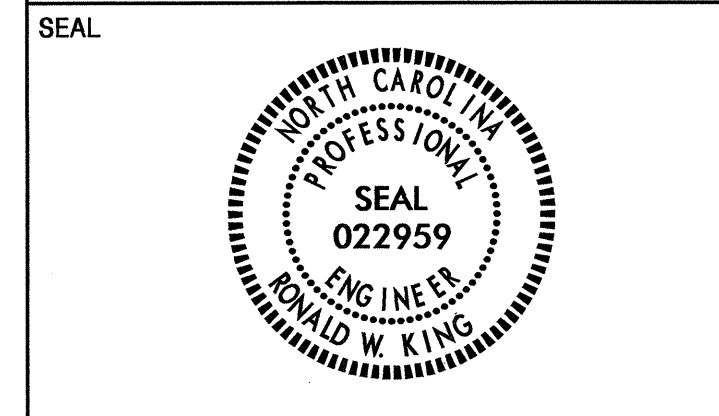
ENGLISH DETAIL DRAWING FOR  
**GROUND MOUNTED SIGN SUPPORTS**

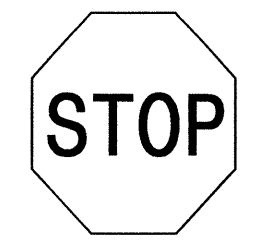

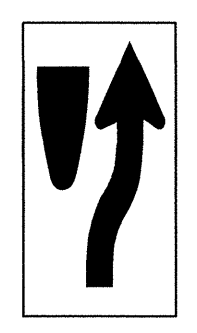
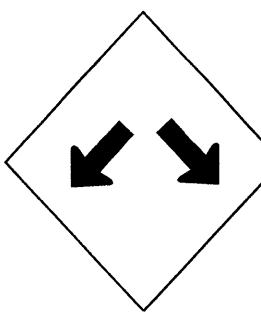
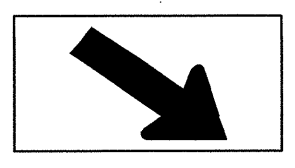

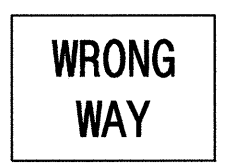
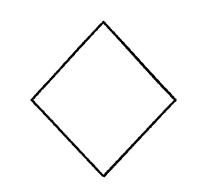
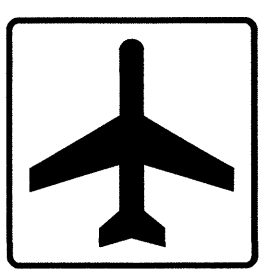
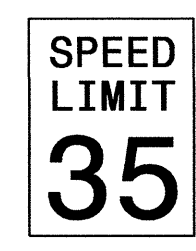

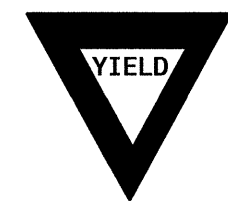
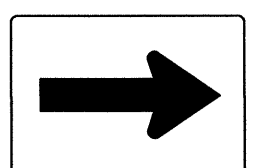
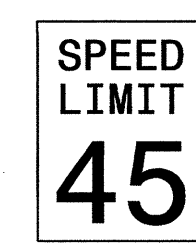


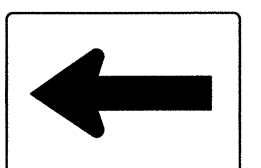

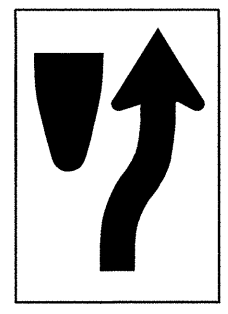
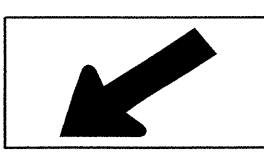
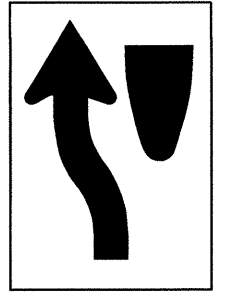
SHEET 2 OF 3  
**903D10**

**REVISED SIGNING  
ROADWAY STANDARD DRAWING**

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 User: jgibson AT 10/24/13

APPROVED: *[Signature]*  
DATE: 6/10/13

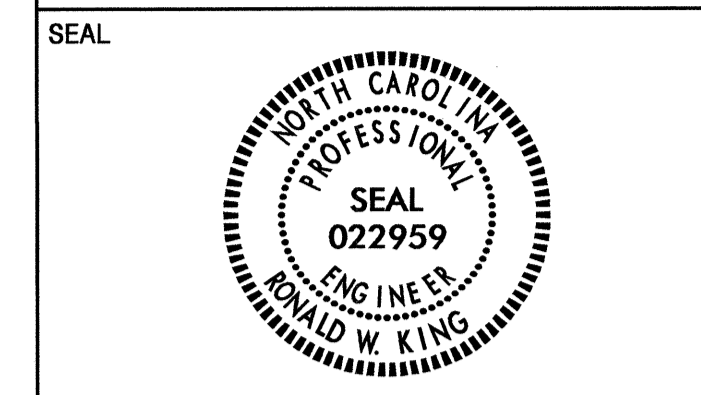


<p>401 QUANTITY REQ'D <u>  6  </u></p>  <p>30" X 30" R1-1</p> <p>ONE "U" POST PER SIGN</p>	<p>406 QUANTITY REQ'D <u>  4  </u></p>  <p>36" X 36" R3-2</p> <p>MOUNT BEHIND SIGN 405 IN <u>  4  </u> INSTALLATIONS</p>	<p>411 QUANTITY REQ'D <u>  4  </u></p>  <p>18" X 30" R4-7C</p> <p>ONE "U" POST PER SIGN</p>	<p>416 QUANTITY REQ'D <u>  4  </u></p>  <p>36" X 36" W12-1</p> <p>ONE "U" POST PER SIGN</p>	<p>421 QUANTITY REQ'D <u>  2  </u></p>  <p>24" X 12" W16-7P</p> <p>YELLOW/GREEN REFLECTIVE SHEETING</p> <p>MOUNT BELOW SIGN 414 IN <u>  2  </u> INSTALLATIONS</p>	
<p>402 QUANTITY REQ'D <u>  1  </u></p>  <p>36" X 36" W3-5</p> <p>ONE "U" POST PER SIGN</p>	<p>407 QUANTITY REQ'D <u> 12  </u></p>  <p>36" X 24" R5-1a</p> <p>MOUNT ON CONCRETE BARRIER 2 INSTALLATIONS</p> <p>ONE "U" POST PER SIGN</p>	<p>412 QUANTITY REQ'D <u>  8  </u></p>  <p>18" X 18" OM1-3</p> <p>MOUNT BELOW SIGN 410 IN <u>  2  </u> INSTALLATIONS MOUNT BELOW SIGN 411 IN <u>  4  </u> INSTALLATIONS MOUNT BELOW SIGN 420 IN <u>  2  </u> INSTALLATIONS</p>	<p>417 QUANTITY REQ'D <u>  3  </u></p>  <p>24" X 24" I-5</p> <p>MOUNT BELOW SIGN 303 IN <u>  1  </u> INSTALLATIONS MOUNT BELOW SIGN 304 IN <u>  1  </u> INSTALLATIONS</p> <p>ONE "U" POST PER SIGN</p>		
<p>403 QUANTITY REQ'D <u>  3  </u></p>  <p>30" X 36" R2-1</p> <p>ONE "U" POST PER SIGN</p>	<p>408 QUANTITY REQ'D <u>  5  </u></p>  <p>54" X 18" R6-1 (R)</p> <p>TWO "U" POSTS PER SIGN</p>	<p>413 QUANTITY REQ'D <u>  2  </u></p>  <p>36" X 36" X 36" R1-2</p> <p>ONE "U" POST PER SIGN</p>	<p>418 QUANTITY REQ'D <u>  2  </u></p>  <p>21" X 15" M6-1R</p> <p>GREEN REFLECTIVE SHEETING</p> <p>MOUNT BELOW SIGN 417 IN <u>  2  </u> INSTALLATIONS</p>		
<p>404 QUANTITY REQ'D <u>  1  </u></p>  <p>30" X 36" R2-1</p> <p>ONE "U" POST PER SIGN</p>	<p>409 QUANTITY REQ'D <u>  2  </u></p>  <p>54" X 18" R6-1 (L)</p> <p>MOUNT ON CONCRETE BARRIER 2 INSTALLATIONS</p> <p>TWO "U" POSTS PER SIGN</p>	<p>414 QUANTITY REQ'D <u>  4  </u></p>  <p>36" X 36" W11-2</p> <p>YELLOW/GREEN REFLECTIVE SHEETING</p> <p>ONE "U" POST PER SIGN</p>	<p>419 QUANTITY REQ'D <u>  1  </u></p>  <p>21" X 15" M6-1L</p> <p>GREEN REFLECTIVE SHEETING</p> <p>MOUNT BELOW SIGN 417 IN <u>  1  </u> INSTALLATIONS</p>		
<p>405 QUANTITY REQ'D <u>  4  </u></p>  <p>36" X 36" R5-1</p> <p>ONE "U" POST PER SIGN</p>	<p>410 QUANTITY REQ'D <u>  2  </u></p>  <p>24" X 30" R4-7</p> <p>ONE "U" POST PER SIGN</p>	<p>415 QUANTITY REQ'D <u>  2  </u></p>  <p>24" X 12" W16-7P</p> <p>YELLOW/GREEN REFLECTIVE SHEETING</p> <p>MOUNT BELOW SIGN 414 IN <u>  2  </u> INSTALLATIONS</p>	<p>420 QUANTITY REQ'D <u>  2  </u></p>  <p>24" X 30" R4-8</p> <p>ONE "U" POST PER SIGN</p>		

**TYPE "E" SIGNS**

04-JUN-2013 15:30 1E5501.dwg Signing\CADD\Quantities & GM Signs\I-5501 0ties.dgn  
 jgmar-tunez EA 1E247735

APPROVED: *[Signature]*  
DATE: 6/10/13



501  
504

JCT  
INTERSTATE  
26  
74

21" X 15"  
24" X 24"  
24" X 24"

ONE "U" POST PER SIGN

507

WEST EAST  
280 280

2- 24" X 12"  
2- 24" X 24"  
2- 21" X 15"

MOUNT BELOW SIGN 301

502

WEST WEST  
INTERSTATE  
26 74

2- 24" X 12"  
2- 24" X 24"  
2- 21" X 15"

TWO "U" POSTS PER SIGN

508

EAST WEST  
280 280

2- 24" X 12"  
2- 24" X 24"  
2- 21" X 15"

MOUNT BELOW SIGN 302

503

TO  
INTERSTATE  
26

24" X 12"  
24" X 24"  
21" X 21"

WEST EAST  
280 280

2- 24" X 12"  
2- 24" X 24"  
21" X 21"  
21" X 15"

TWO "U" POSTS PER SIGN

505

EAST EAST  
INTERSTATE  
26 74

2- 24" X 12"  
2- 24" X 24"  
2- 21" X 15"

TWO "U" POSTS PER SIGN

506

TO  
INTERSTATE  
26

24" X 12"  
24" X 24"  
21" X 21"

EAST WEST  
280 280

2- 24" X 12"  
2- 24" X 24"  
21" X 21"  
21" X 15"

TWO "U" POSTS PER SIGN

SIGN NUMR: TYPE: F Ground  
QUANTITY: 1  
SIGN WIDTH: 1'-9"  
HEIGHT: 1'-9"  
TOTAL AREA: 3.1 Sq.Ft.  
MAT'L: 0.063" ALUMINUM  
BORDER TYPE: RECESSED  
RECESS: 0.38"  
WIDTH: 0.63"  
RADIUS: 1.5"  
NO. Z BARS:  
LENGTH:

BACKG. COLOR: White  
COPY COLOR: Black

DESIGN BY: DME  
PROJECT ID:

CHK BY:  
DIV:

STD #: S8TN  
DATE: Aug 02, 2011

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

SYMBOL	X	Y	WID	HT
u arrow	3.7	3.5	12.7	13.9

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

USE NOTES: 2,5  
1. Legend and border shall be direct applied Grade A reflective sheeting.  
2. Legend and border shall be direct applied Non-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.


Arrow Details

ARROW DIMENSIONS (INCHES)	F	G	H	M	N	P	Q	R
	2.625	2.625	8.659	5.25	3	5.25	0.375	0.5

Spacing Factor is 1 unless specified otherwise  
FILENAME: GSENG

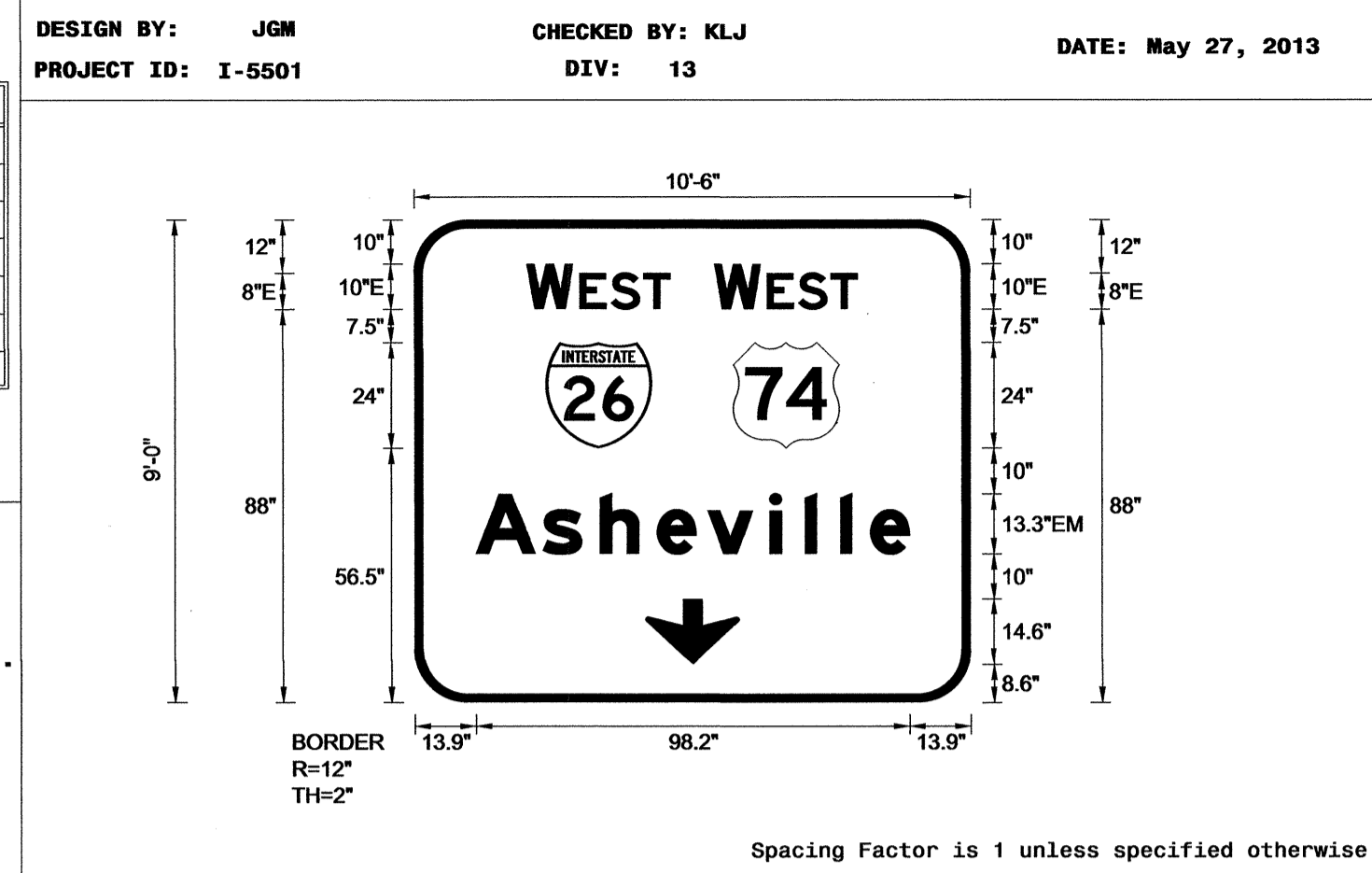
TYPE "F" SIGNS

07 JUN 2013 15:37 I:\5501\Traffic\Signing\CADD\Quantities & GM\_Signs\I-5501\_0ttes.dgn  
 jgmar-tunez

TIP NO. I-5501	SHEET NO. SIGN-4
APPROVED: <i>[Signature]</i>	
DATE: 1/10/13	
SEAL	
	

SIGN NUMBER: 1  
TYPE: A  
QUANTITY: 1  
SIGN WIDTH: 10'-6"  
HEIGHT: 9'-0"  
TOTAL AREA: 94.5 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 2"  
RADII: 12"  
NO. Z BARS: 3  
LENGTH: 118.0

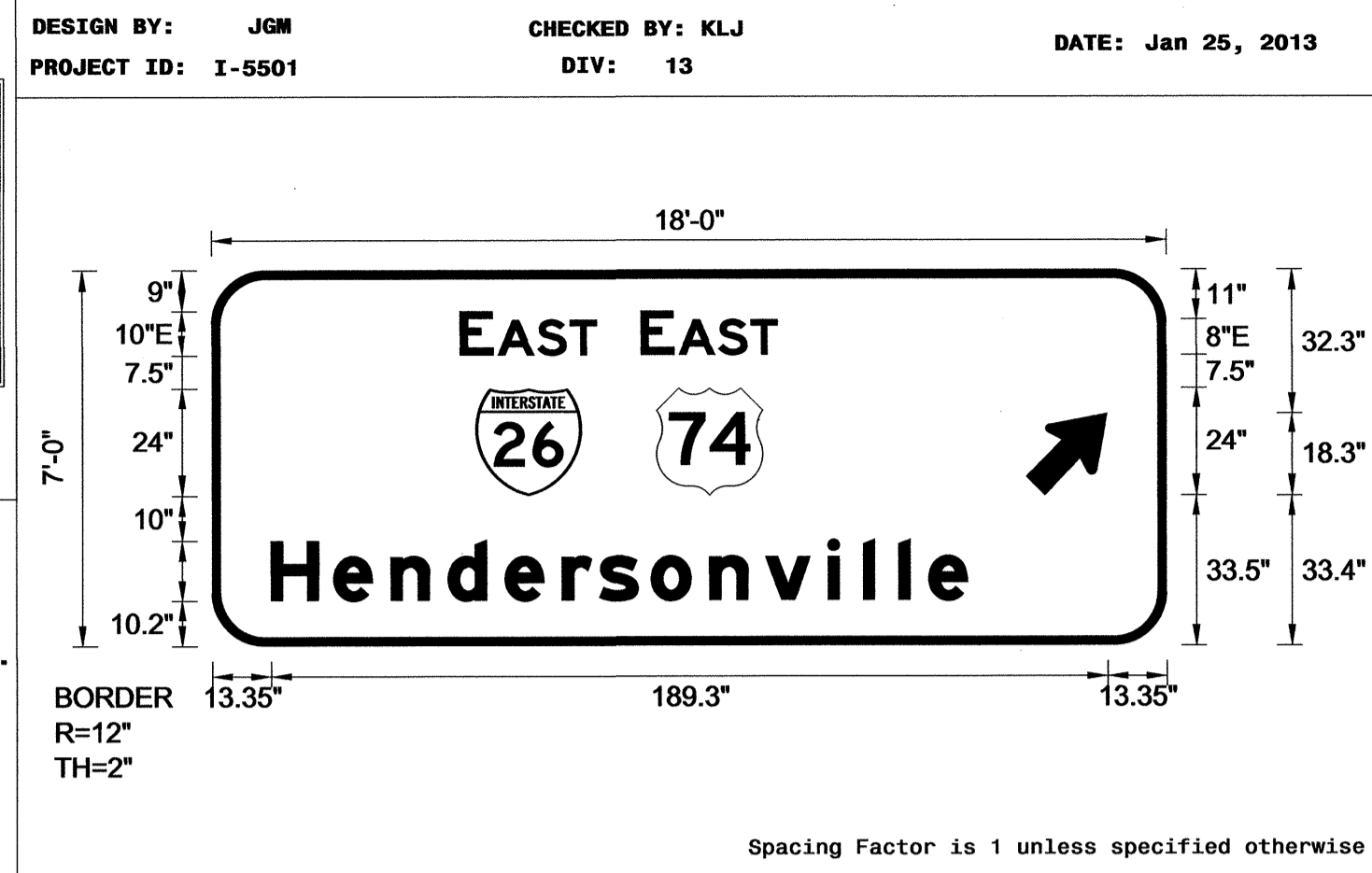
SYMBOL	X	Y	WID	HT
W1_1	29.7	56.5	24	24
W1_4	72.3	56.5	24	24
ARDOWN	52.3	8.5	21.3	14.6



USE NOTES: 1,2,3  
1. Legend and border(except those that are colored black) shall be direct applied Grade A 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.  
4. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

SIGN NUMBER: 3  
TYPE: A  
QUANTITY: 1  
SIGN WIDTH: 18'-0"  
HEIGHT: 7'-0"  
TOTAL AREA: 126.0 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 2"  
RADII: 12"  
NO. Z BARS: 2  
LENGTH: 208.0

SYMBOL	X	Y	WID	HT
W1_1	59.7	33.5	24	24
W1_4	100.6	33.5	24	24
ARUP	184.3	33.4	15.4	23



USE NOTES: 1,2,3  
1. Legend and border(except those that are colored black) shall be direct applied Grade A 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.  
4. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	32.5
E 2000	30.9
E 2000	30.9
EM 2000	157.6

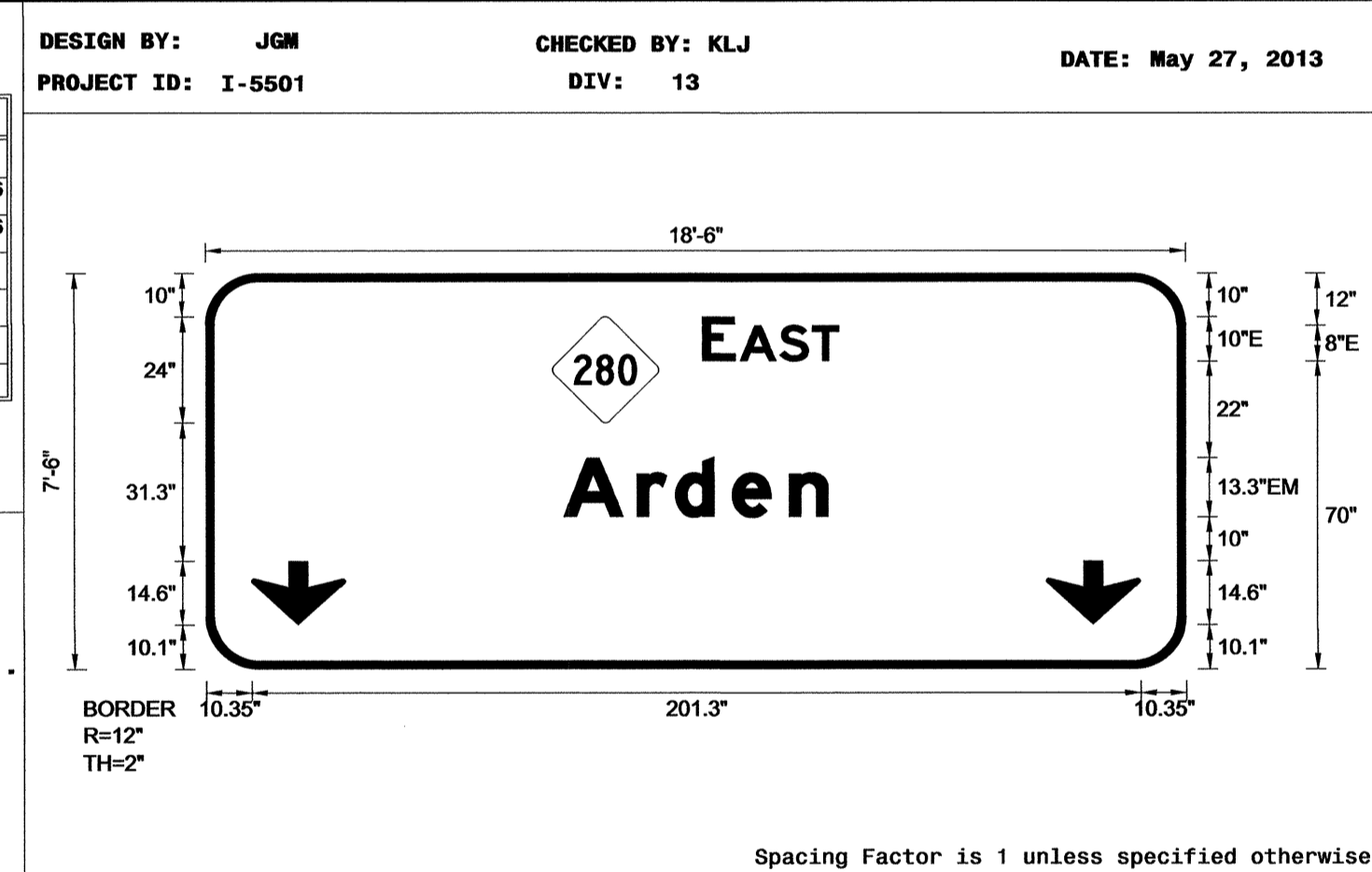
LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	30.9
E 2000	30.9
EM 2000	157.6

SIGN NUMBER: 2  
TYPE: A  
QUANTITY: 1  
SIGN WIDTH: 18'-6"  
HEIGHT: 7'-6"  
TOTAL AREA: 138.8 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 2"  
RADII: 12"  
NO. Z BARS: 3  
LENGTH: 214.0

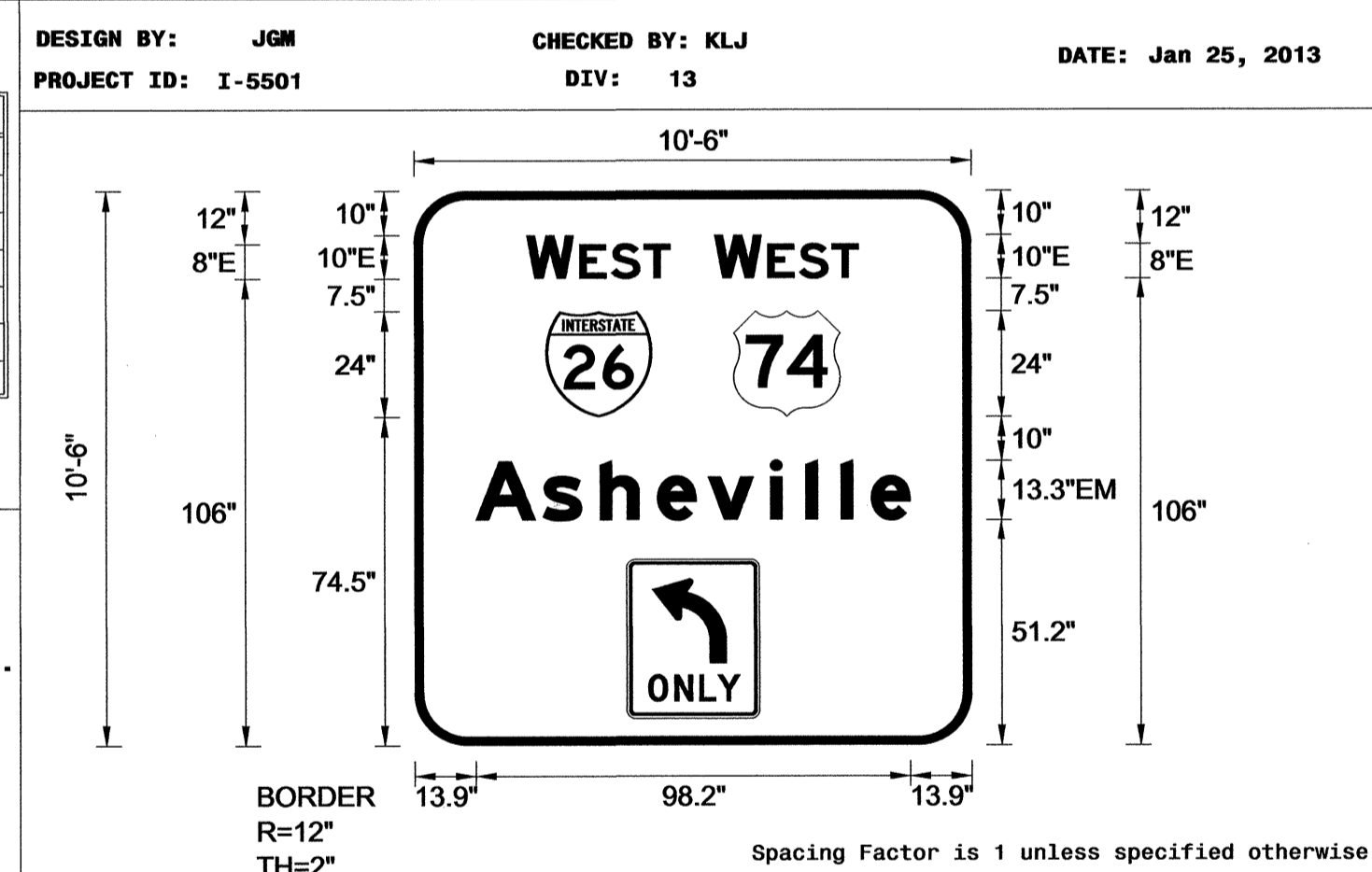
SYMBOL	X	Y	WID	HT
W1-5-3-48-14C	78.5	56	24	24
ARDOWN	10.3	10.1	21.3	14.6
ARDOWN	190.3	10.1	21.3	14.6



USE NOTES: 1,2,3  
1. Legend and border(except those that are colored black) shall be direct applied Grade A 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.  
4. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

SIGN NUMBER: 4  
TYPE: A  
QUANTITY: 1  
SIGN WIDTH: 10'-6"  
HEIGHT: 10'-6"  
TOTAL AREA: 110.3 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 2"  
RADII: 12"  
NO. Z BARS: 3  
LENGTH: 118.0

SYMBOL	X	Y	WID	HT
W1_1	29.7	74.5	24	24
W1_4	72.3	74.5	24	24



USE NOTES: 1,2,3  
1. Legend and border(except those that are colored black) shall be direct applied Grade A 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.  
4. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	30.9
EM 2000	60

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	32.5
E 2000	32.5
EM 2000	98.2

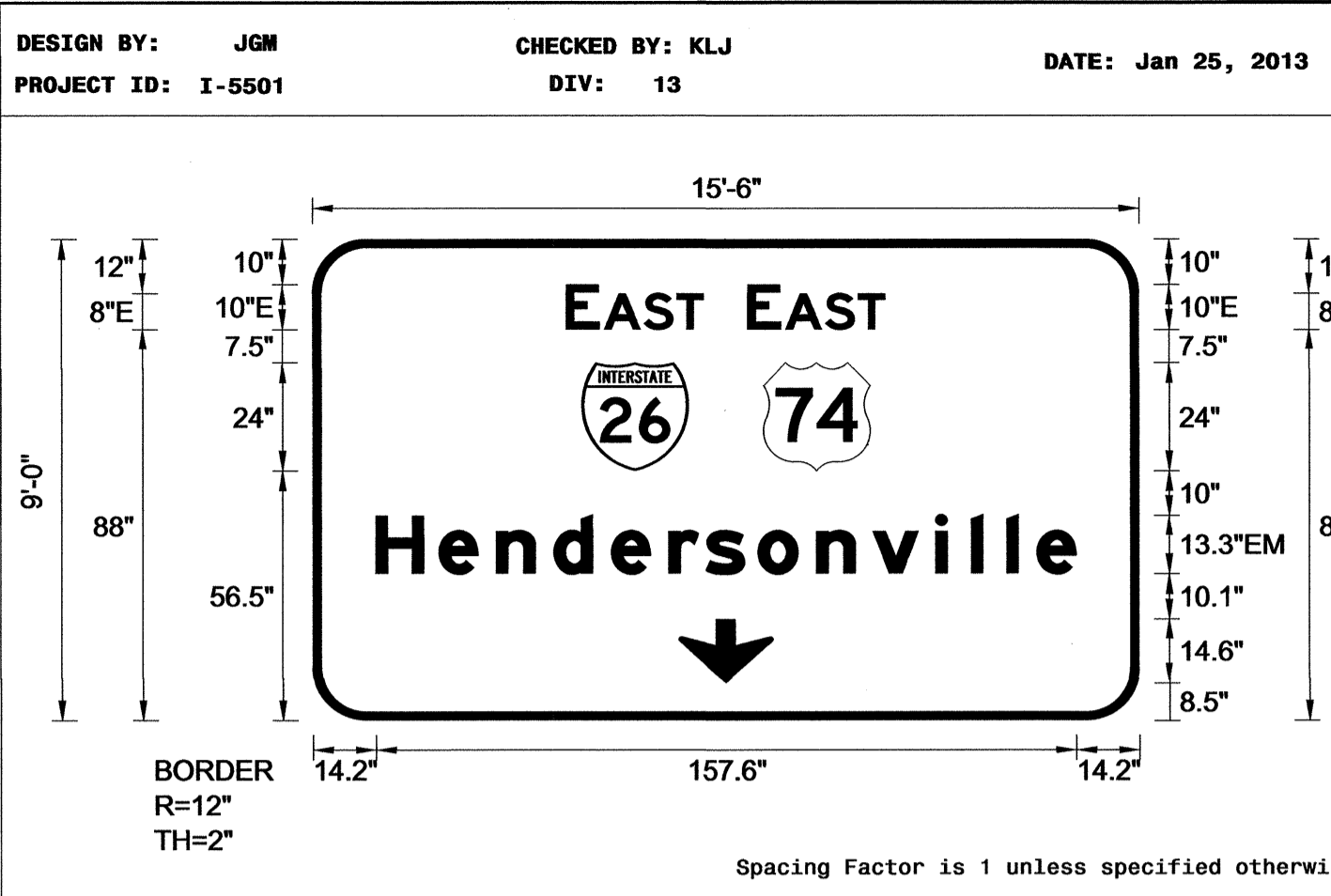
04-11-2013 15:31 I:\Projects\15501\Signing\CADD\Quantities & CM\_Signs\I-5501 Ottes.dgn

# SIGN DESIGNS

SIGN NUMBER: 5  
 TYPE: A  
 QUANTITY: 1  
 SIGN WIDTH: 15'-6"  
 HEIGHT: 9'-0"  
 TOTAL AREA: 139.5 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 2"  
 RADII: 12"  
 NO. Z BARS: 3  
 LENGTH: 178.0

BACKG COLOR: Green  
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	60.5	56.5	24	24
M1_4	101.5	56.5	24	24
ARDOWN	82.3	8.4	21.3	14.6



USE NOTES: 1,2,3

- Legend and border(except those that are colored black) shall be direct applied Grade A 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.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text	Length
E 2000	E	30.9
E 2000	A	30.9
EM 2000	H e n d e r s o n v i l l e	157.6

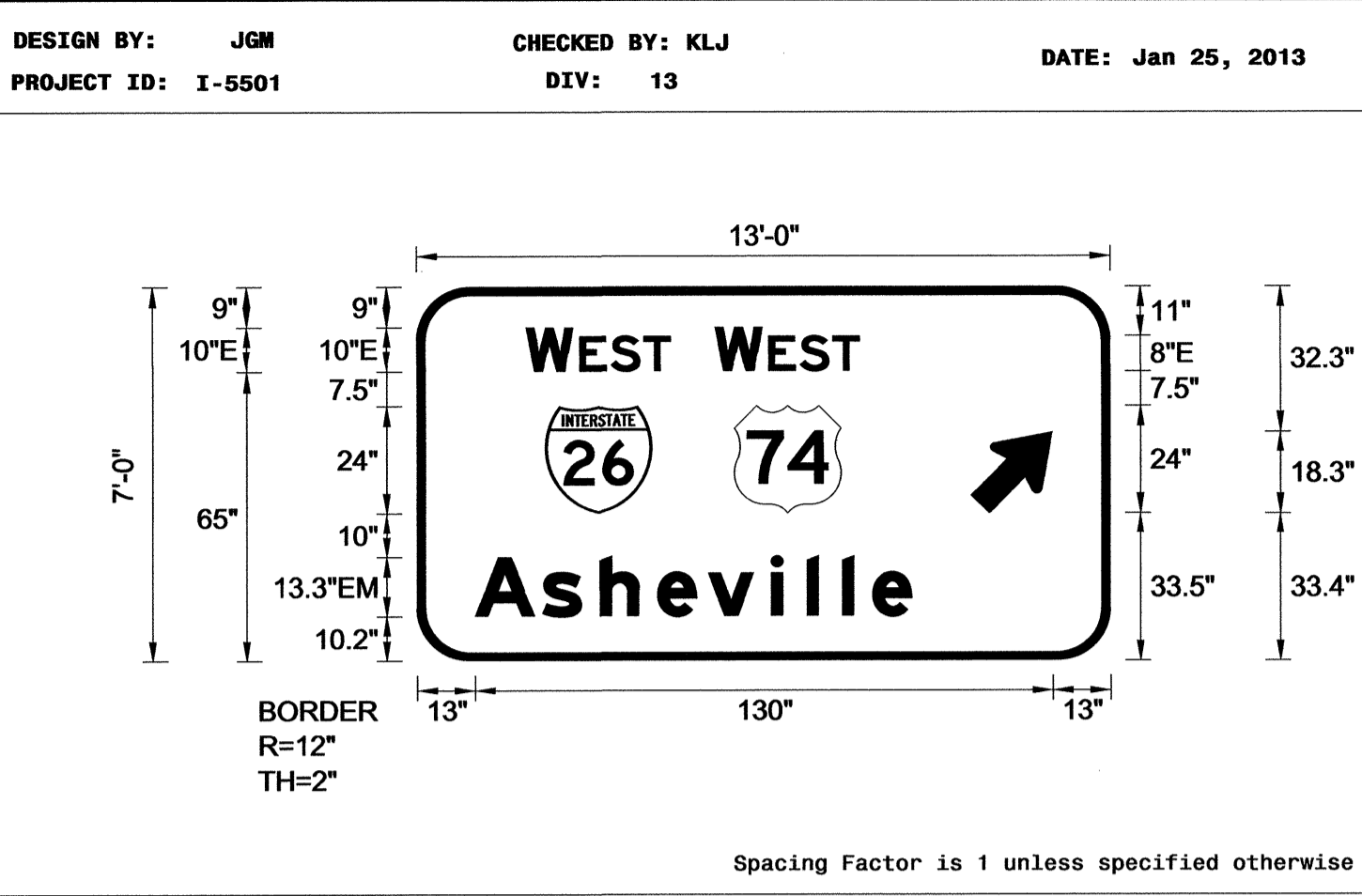
FILENAME: I-5501 Sign Designs

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 7  
 TYPE: A  
 QUANTITY: 1  
 SIGN WIDTH: 13'-0"  
 HEIGHT: 7'-0"  
 TOTAL AREA: 91.0 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 2"  
 RADII: 12"  
 NO. Z BARS: 2  
 LENGTH: 148.0

BACKG COLOR: Green  
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	28.9	33.5	24	24
M1_4	71.4	33.5	24	24
ARUP	124.7	33.4	15.4	23



USE NOTES: 1,2,3

- Legend and border(except those that are colored black) shall be direct applied Grade A 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.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text	Length
E 2000	E	32.5
E 2000	A	32.5
EM 2000	W e s t w e s t	98.2

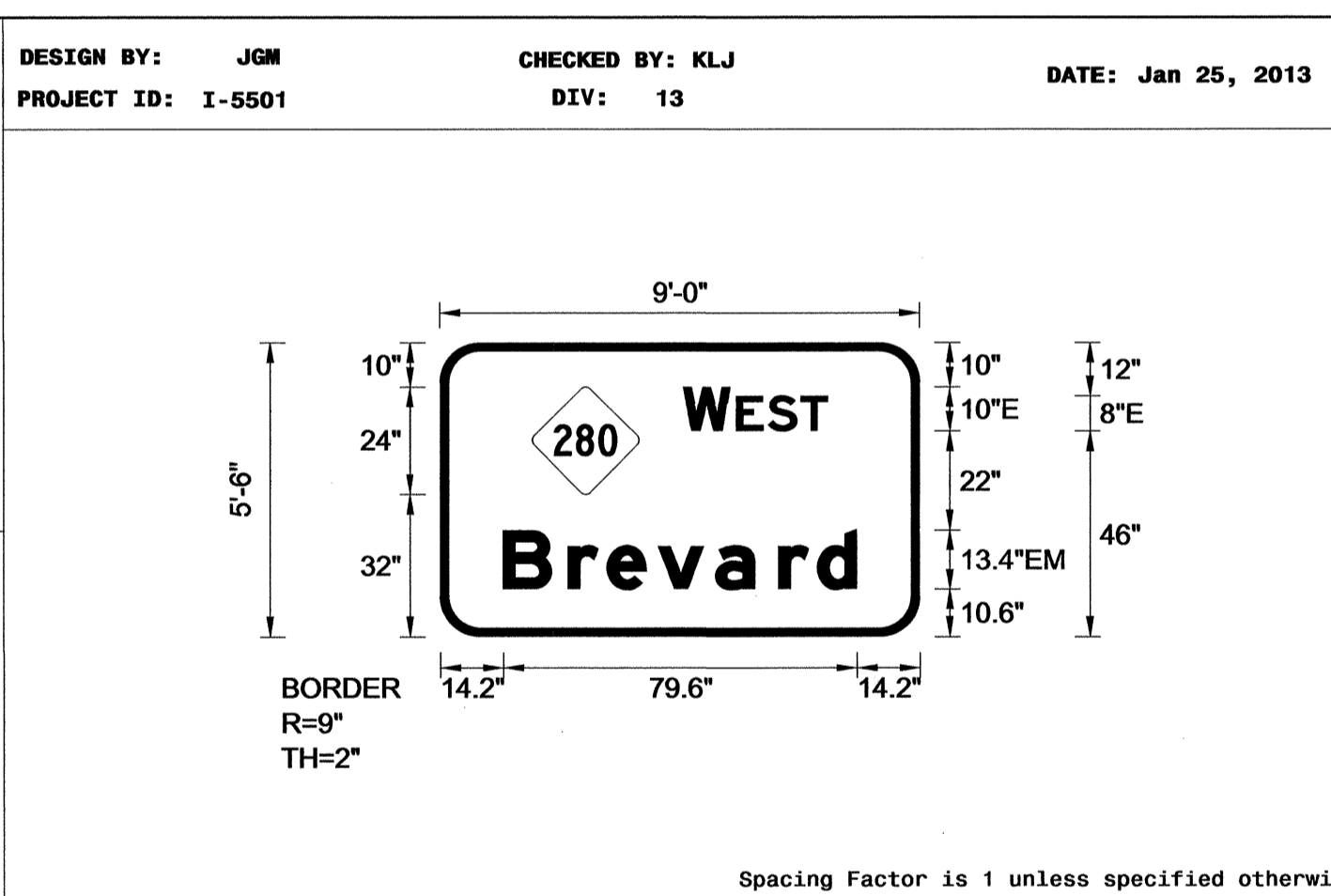
FILENAME: I-5501 Sign Designs

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 6  
 TYPE: A  
 QUANTITY: 1  
 SIGN WIDTH: 9'-0"  
 HEIGHT: 5'-6"  
 TOTAL AREA: 49.5 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 2"  
 RADII: 9"  
 NO. Z BARS: 2  
 LENGTH: 100.0

BACKG COLOR: Green  
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1-5-3-48-14C	20.7	32	24	24



USE NOTES: 1,2,3

- Legend and border(except those that are colored black) shall be direct applied Grade A 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.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text	Length
E 2000	E	32.5
EM 2000	B r e v a r d	79.6

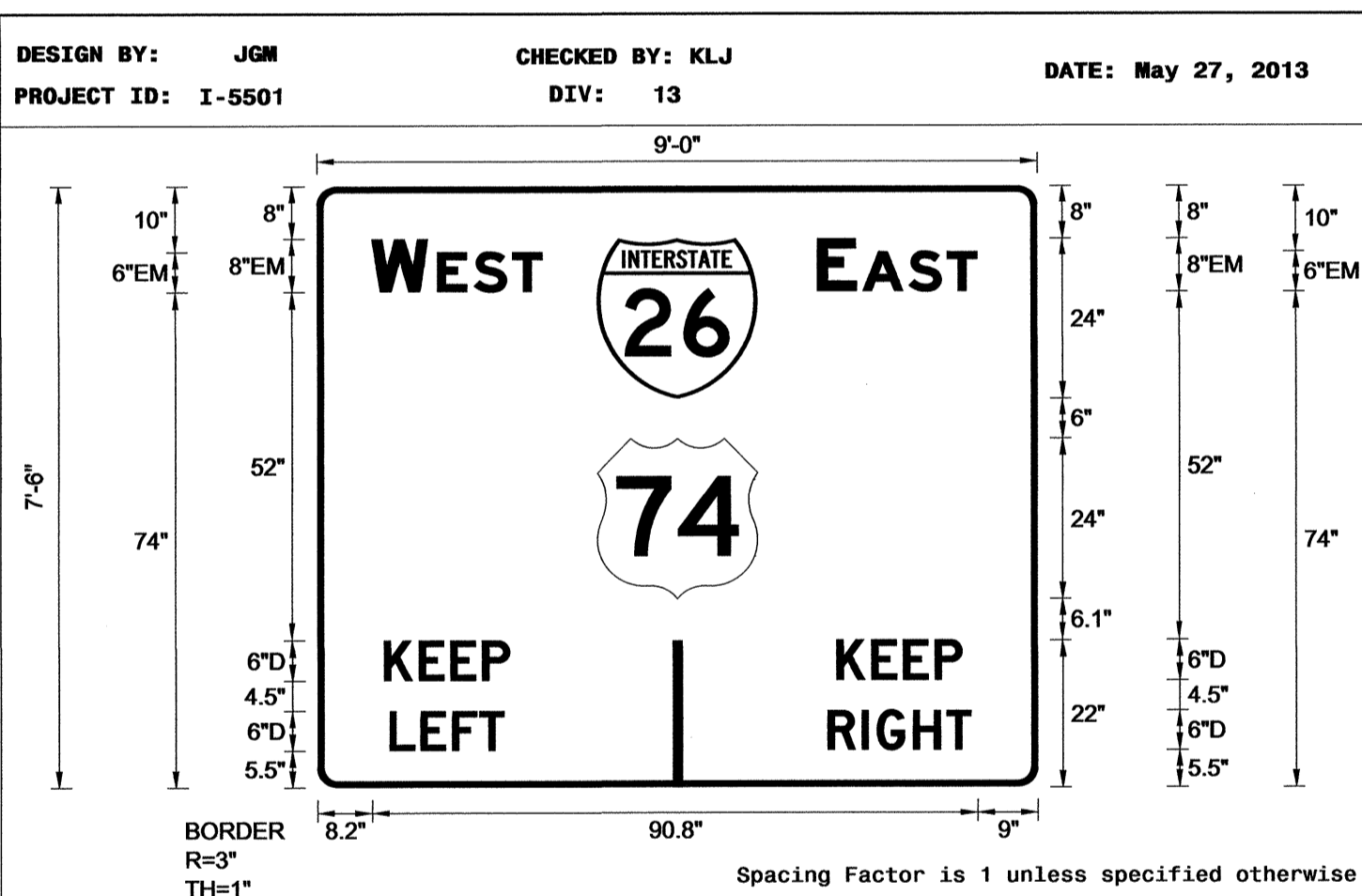
FILENAME: I-5501 Sign Designs

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 101  
 TYPE: A  
 QUANTITY: 1  
 SIGN WIDTH: 9'-0"  
 HEIGHT: 7'-6"  
 TOTAL AREA: 67.5 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 3"  
 RADII: 3"  
 NO. Z BARS: 3  
 LENGTH: 100.0

BACKG COLOR: Green  
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	42	58	24	24
M1_4	42	28	24	24



USE NOTES: 1,2,3

- 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.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text	Length
EM 2000	W e s t	25.6
EM 2000	E a s t	24
D 2000	K e e p	18.8
D 2000	l e f t	18.8
D 2000	K e e p	17.2
D 2000	r i g h t	21.5

FILENAME: I-5501 Sign Designs

NORTH CAROLINA D.O.T. SIGN DETAIL

TIP NO. I-5501  
 SHEET NO. SIGN-4A

APPROVED: *[Signature]*  
 DATE: 6/10/13

SEAL

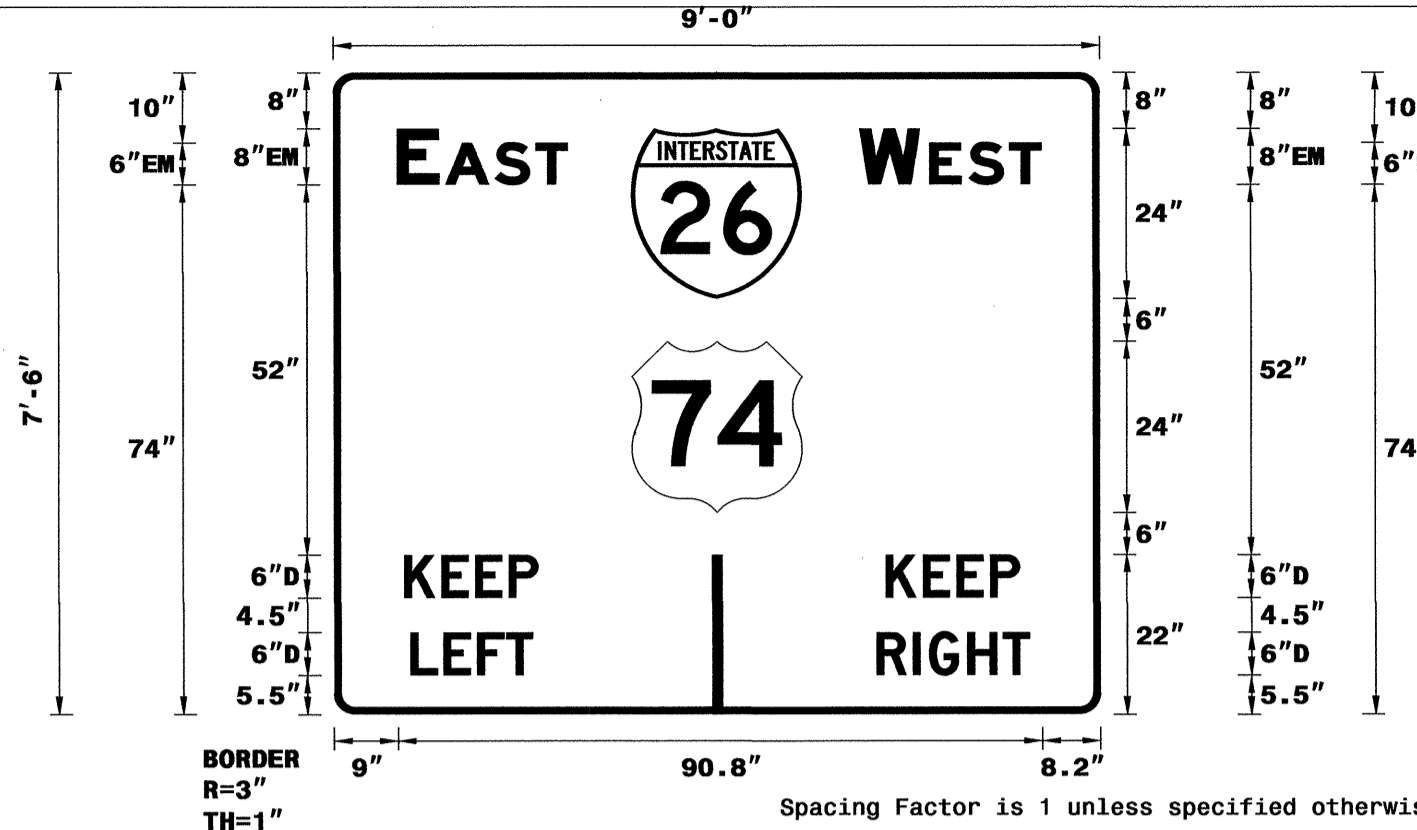
**SIGN DESIGNS**

P:\JPL\2013\1512\15501\Signing\CADD\Quantities & GM\_Signs\I-5501\_0ties.dgn  
 12/24/13 10:52 AM  
 Signatures: 1

SIGN NUMBER: 102  
 TYPE: A  
 QUANTITY: 1  
 SIGN WIDTH: 9'-0"  
 HEIGHT: 7'-6"  
 TOTAL AREA: 67.5 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 1"  
 RADII: 3"  
 NO. Z BARS: 3  
 LENGTH: 100.0

SYMBOL	X	Y	WID	HT
M1_1	42	58	24	24
M1_4	42	27.9	24	24

DESIGN BY: JGM  
 CHECKED BY: KLJ  
 PROJECT ID: I-5501  
 DIV: 13  
 DATE: May 27, 2013



- USE NOTES: 1,2,3
- 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.
  - Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

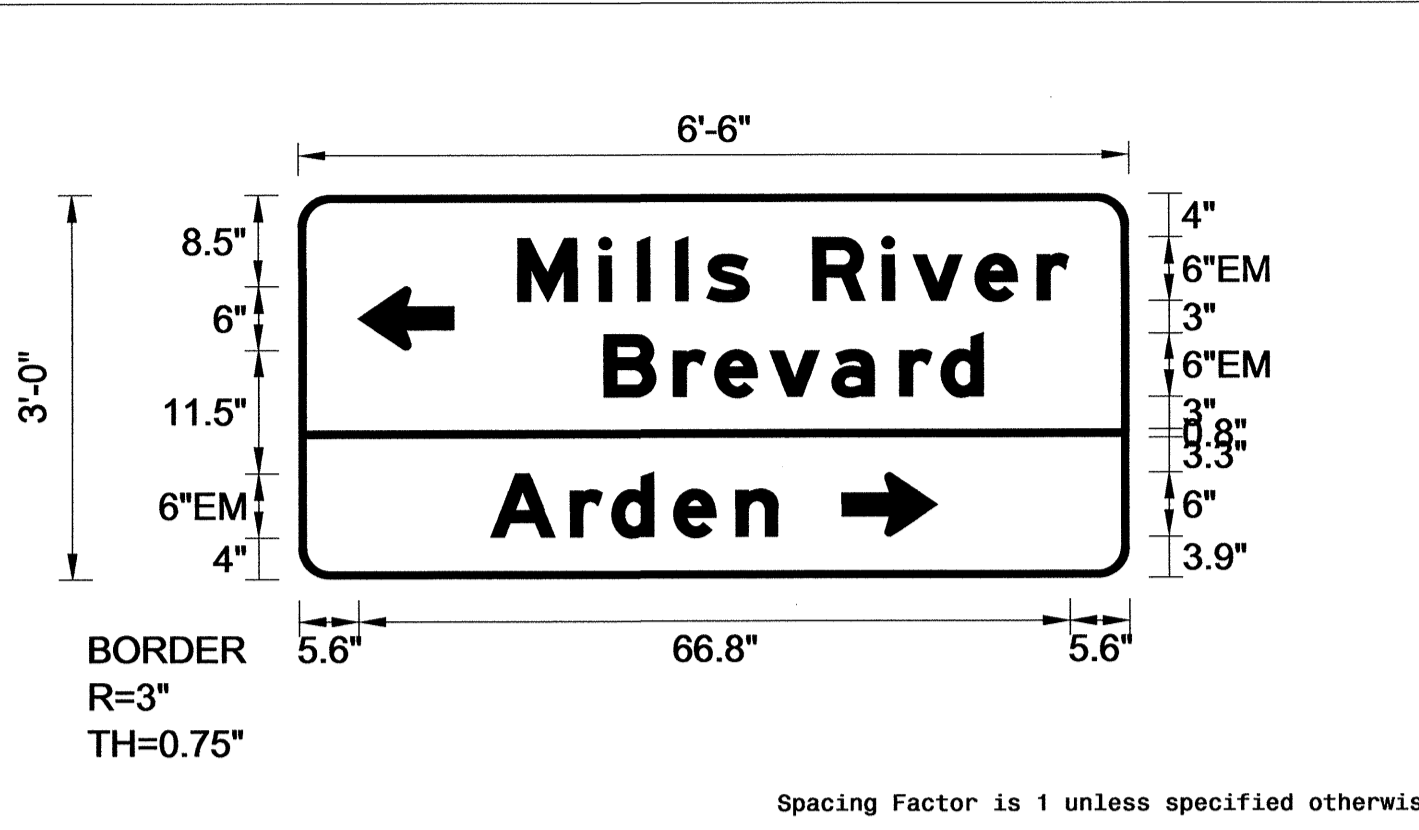
Panel Style: Standard 8 Inch\_D.ssi  
 M.U.T.C.D.: 2003 Edition

Letter spacings are to start of next letter											Series/Size
											Text Length
9	5.9	0.9	7	5.8	4.4	75					EM 2000
											24
74.2	8.5	1.4	5.5	5.8	4.4	8.2					EM 2000
											25.6
10	5.2	4.7	4.7	4.1	79.2						D 2000
											18.8
77.9	5.2	4.7	4.7	4.1	11.4						D 2000
											18.8
10.8	4.6	4.7	4.1	3.7	80						D 2000
											17.2
76.5	5.1	2.3	5.4	5	3.7	10					D 2000
											21.5

SIGN NUMBER: 301  
 TYPE: D  
 QUANTITY: 1  
 SIGN WIDTH: 6'-6"  
 HEIGHT: 3'-0"  
 TOTAL AREA: 19.5 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 0.75"  
 RADII: 3"  
 NO. Z BARS: 1  
 LENGTH: 100.0

SYMBOL	X	Y	WID	HT
AR_Type D	5.6	21.5	6	9
AR_Type D	51	4	6	9

DESIGN BY: JGM  
 CHECKED BY: KLJ  
 PROJECT ID: I-5501  
 DIV: 13  
 DATE: May 31, 2013



- USE NOTES: 1,2,3
- 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.
  - Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

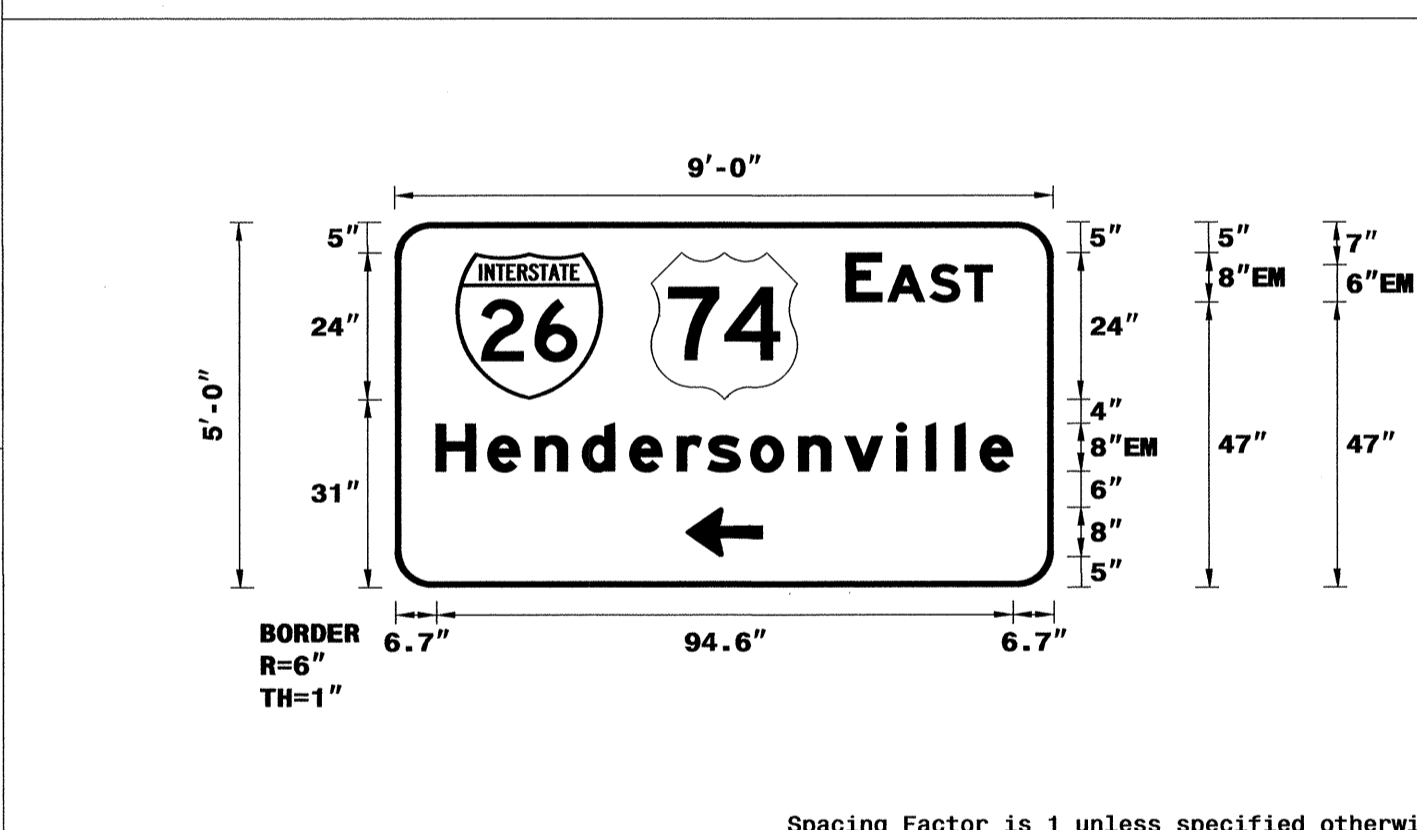
Letter spacings are to start of next letter

Letter spacings are to start of next letter											Series/Size		
											Text Length		
20.6	7.6	3.6	3.6	2.9	4	6	6.5	2.9	5.8	5.8	3	5.6	EM 2000
													51.8
28.7	6.5	3.9	5.2	5.8	6.4	3.9	4	13.7					EM 2000
													35.6
18	7.5	3.9	5.8	5.8	4	33							EM 2000
													27

SIGN NUMBER: 103  
 TYPE: A  
 QUANTITY: 1  
 SIGN WIDTH: 9'-0"  
 HEIGHT: 5'-0"  
 TOTAL AREA: 45.0 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 1"  
 RADII: 6"  
 NO. Z BARS: 2  
 LENGTH: 100.0

SYMBOL	X	Y	WID	HT
M1_1	10	31	24	24
M1_4	42	31	24	24
ARMED	47.7	5	8	12.6

DESIGN BY: JGM  
 CHECKED BY: KLJ  
 PROJECT ID: I-5501  
 DIV: 13  
 DATE: May 27, 2013

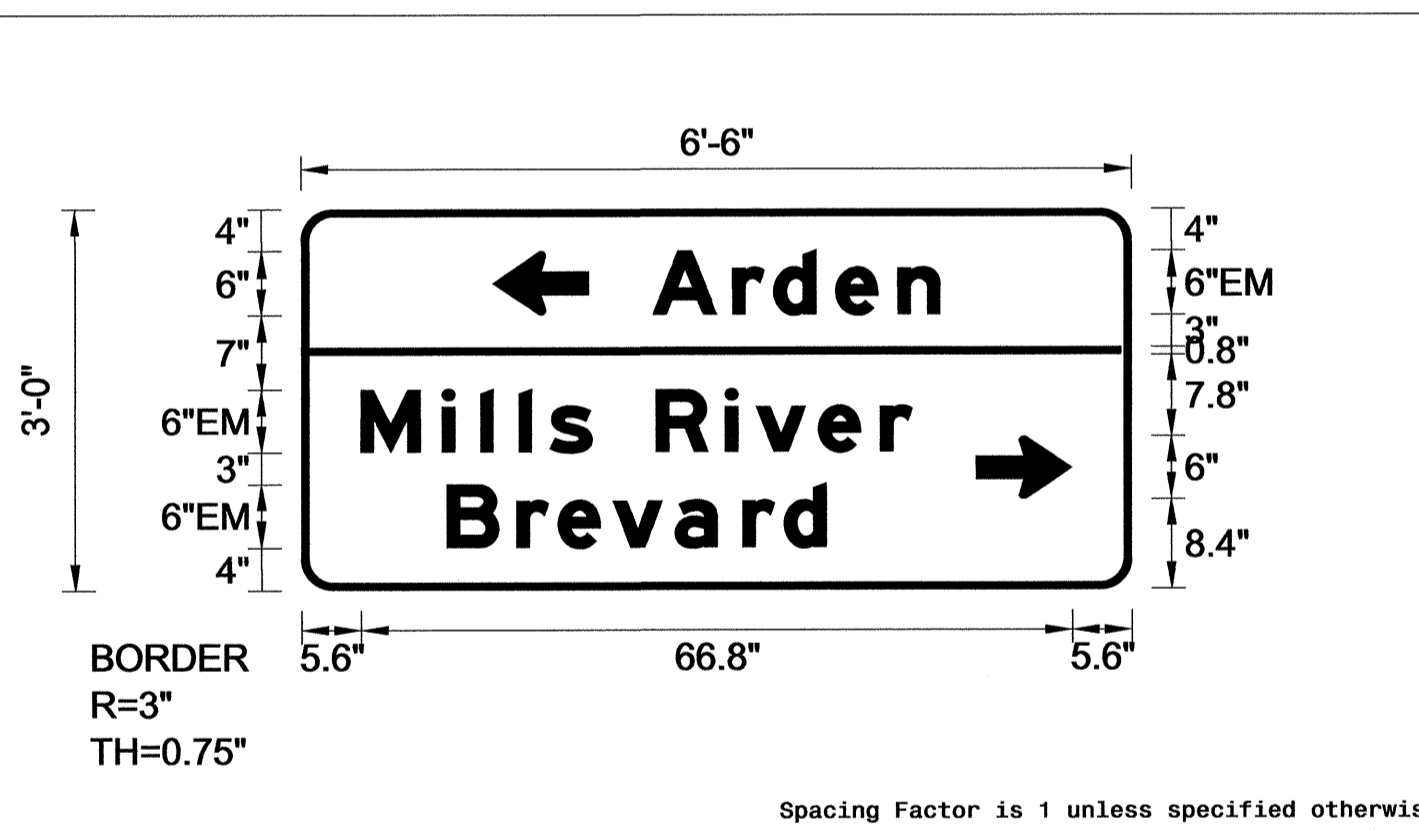


- USE NOTES: 1,2,3
- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
  - Background shall be Grade C reflective sheeting.
  - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

SIGN NUMBER: 302  
 TYPE: D  
 QUANTITY: 1  
 SIGN WIDTH: 6'-6"  
 HEIGHT: 3'-0"  
 TOTAL AREA: 19.5 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 0.75"  
 RADII: 3"  
 NO. Z BARS: 1  
 LENGTH: 100.0

SYMBOL	X	Y	WID	HT
AR_Type D	18	26	6	9
AR_Type D	63.4	8.5	6	9

DESIGN BY: JGM  
 CHECKED BY: KLJ  
 PROJECT ID: I-5501  
 DIV: 13  
 DATE: May 31, 2013



- USE NOTES: 1,2,3
- 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.
  - Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter

Letter spacings are to start of next letter											Series/Size					
											Text Length					
74	5.9	0.9	7	5.8	4.4	10					EM 2000					
											24					
6.7	8.5	7.8	7.8	7.8	7.8	5	7	7.9	7.6	8.5	4.8	4.8	4.1	5.3	6.7	EM 2000
																94.6

LETTER POSITIONS

Letter spacings are to start of next letter

Letter spacings are to start of next letter											Series/Size		
											Text Length		
33	7.5	3.9	5.8	5.8	4	18					EM 2000		
											27		
5.6	7.6	3.6	3.6	2.9	4	6	6.5	2.9	5.8	5.8	3	20.6	EM 2000
													51.8
13.7	6.5	3.9	5.2	5.8	6.4	3.9	4	28.7					EM 2000
													35.6

TIP NO. I-5501 SHEET NO. SIGN-4B

APPROVED: *[Signature]*


DATE: 6/10/13

SEAL

**SIGN DESIGNS**

04-JUN-2013 15:32  
 P:\Tpp\joe\eff\I-5501\Signing\CADD\Quantities & GM\_Signs\I-5501 0ties.dgn  
 jgmar-tinez AT 12/24/13

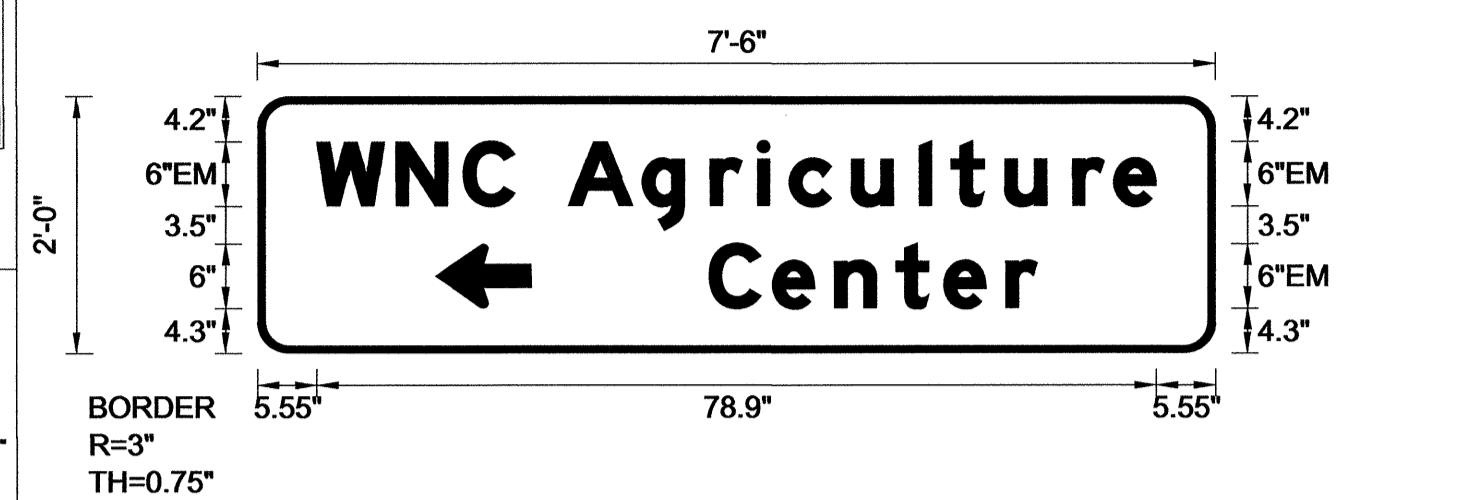


TIP NO. I-5501	SHEET NO. SIGN-4C
APPROVED: <i>[Signature]</i>	
DATE: 6/10/13	
SEAL	
	

SIGN NUMBER: 303  
 TYPE: D  
 QUANTITY: 1  
 SIGN WIDTH: 7'-6"  
 HEIGHT: 2'-0"  
 TOTAL AREA: 15.0 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 0.75"  
 RADII: 3"  
 NO. Z BARS: 1  
 LENGTH: 0.125" (3.2 mm) ALUMINUM

SYMBOL	X	Y	WID	HT
AR_Type D	16.7	4.3	6	9

DESIGN BY: JGM  
 PROJECT ID: I-5501  
 CHECKED BY: KLJ  
 DIV: 13  
 DATE: May 31, 2013



- USE NOTES: 1,2,3
- 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.
  - Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	78.9
EM 2000	30.9

W N C A g r i c u l t u r e  
 5.6 7.4 6.3 4.9 5 7 6.4 4.4 3.1 5.8 6.4 3 5 6.4 3.9 4 5.6

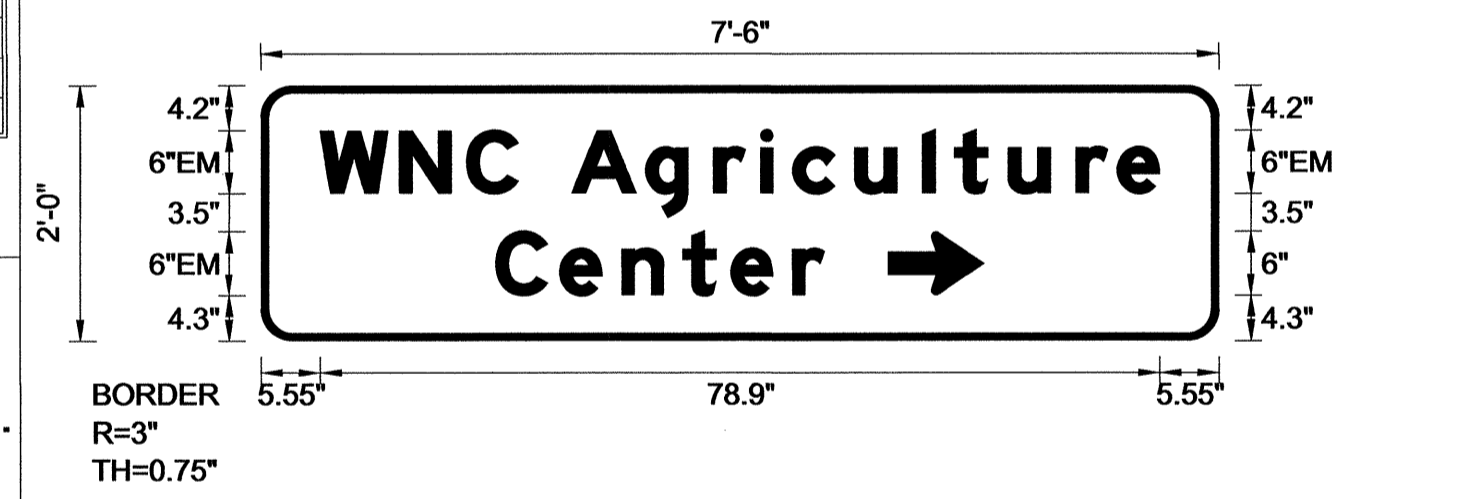
C e n t e r  
 42.4 6 5.8 5.8 4.5 5.8 3 16.7

FILENAME: I-5501 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 304  
 TYPE: D  
 QUANTITY: 1  
 SIGN WIDTH: 7'-6"  
 HEIGHT: 2'-0"  
 TOTAL AREA: 15.0 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 0.75"  
 RADII: 3"  
 NO. Z BARS: 1  
 LENGTH: 0.125" (3.2 mm) ALUMINUM

SYMBOL	X	Y	WID	HT
AR_Type D	58.9	4.3	6	9

DESIGN BY: JGM  
 PROJECT ID: I-5501  
 CHECKED BY: KLJ  
 DIV: 13  
 DATE: May 31, 2013



- USE NOTES: 1,2,3
- 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.
  - Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	78.9
EM 2000	30.9

W N C A g r i c u l t u r e  
 5.6 7.4 6.3 4.9 5 7 6.4 4.4 3.1 5.8 6.4 3 5 6.4 3.9 4 5.6

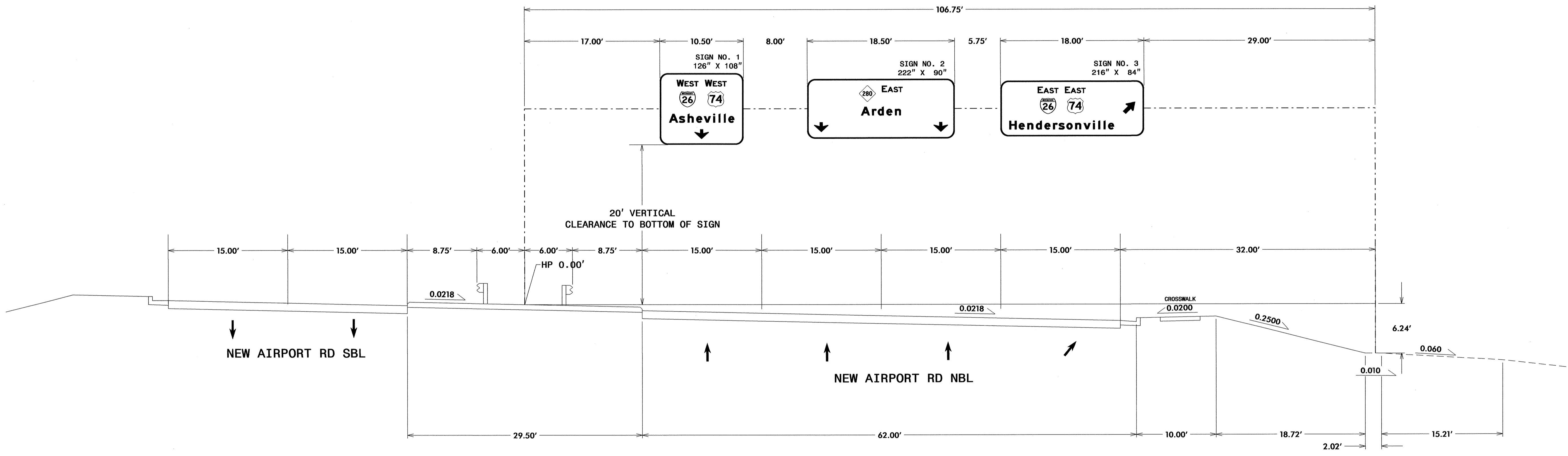
C e n t e r  
 22 6 5.8 5.8 4.5 5.8 3 37.1

FILENAME: I-5501 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

04-JUN-2013 15:35 P:\Tpp\c01e0e35\15501\Teff\Signing\CADD\Quantities & GM\_Signs\I-5501 0ties.dgn  
 jgmar-tinez At 11:24:79

**SIGN DESIGNS**

TIP NO. I-5501	SHEET NO. SIGN-5
APPROVED: <i>RW King</i>	
DATE: 6/10/13	
SEAL	

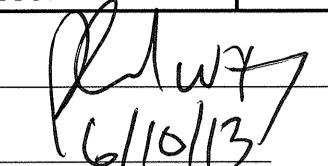



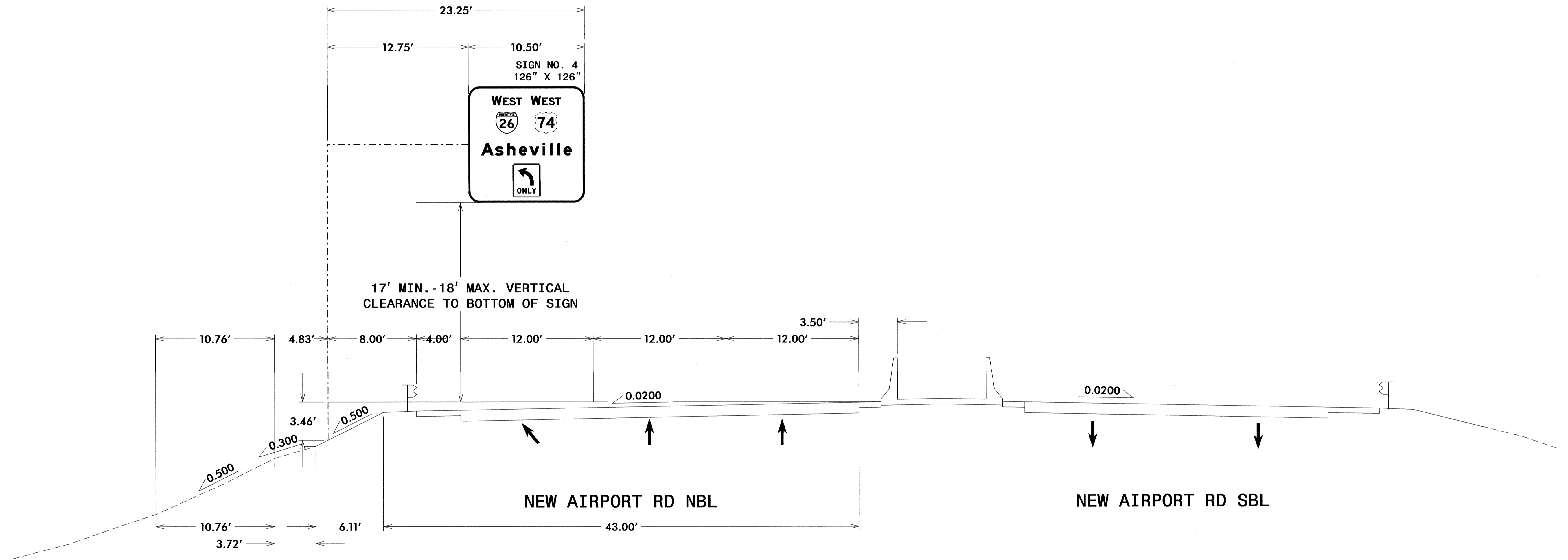
**NOTES:**

- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
- FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
- THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
- SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.

**OVERHEAD SIGN ASSEMBLY  
AT STA 22+00 +/- L-NBL**

04-JUN-2013 15:41 LE560\Tasff\c:\Signing\CADD\Overheads\I-5501 OH Assembly.dgn  
 Author: tasff  
 Date: 6/10/13

TIP NO. I-5501	SHEET NO. SIGN-5A
APPROVED: 	
DATE: 6/10/13	
SEAL	
	



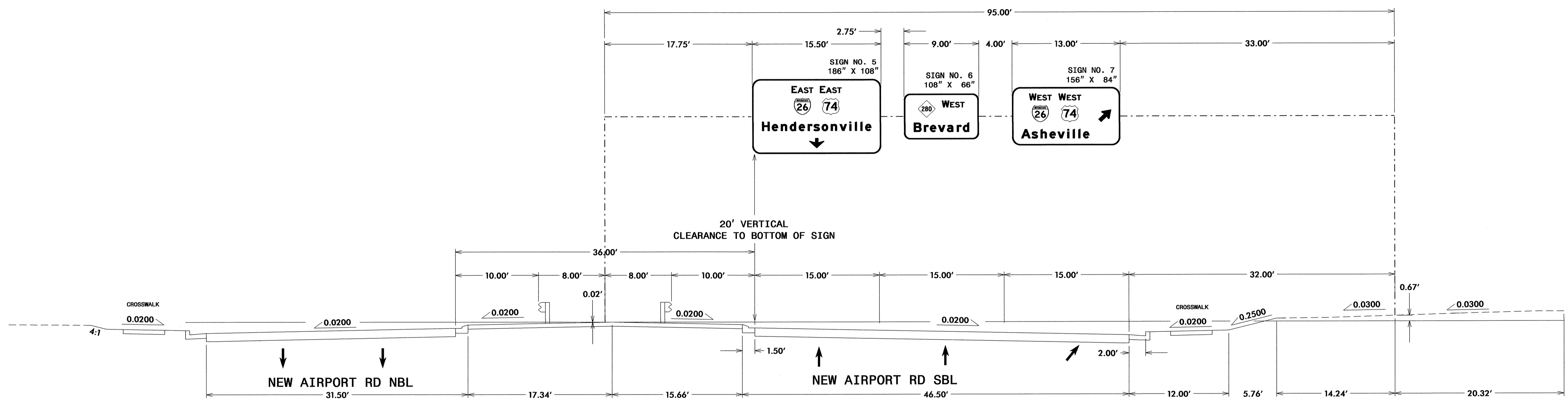
**NOTES:**

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. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
3. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
4. THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
5. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
6. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.

**OVERHEAD SIGN ASSEMBLY  
AT STA 29+70 +/- L-NBL**

04-JUN-2013 15:51 I:\5501\Testing\Signing\CA00\Overheads\I-5501\_OH\_Assemblies.dgn  
 jgmar.tunez

TIP NO. I-5501	SHEET NO. SIGN-5B
APPROVED: <i>[Signature]</i>	
DATE: 6/10/13	
SEAL	



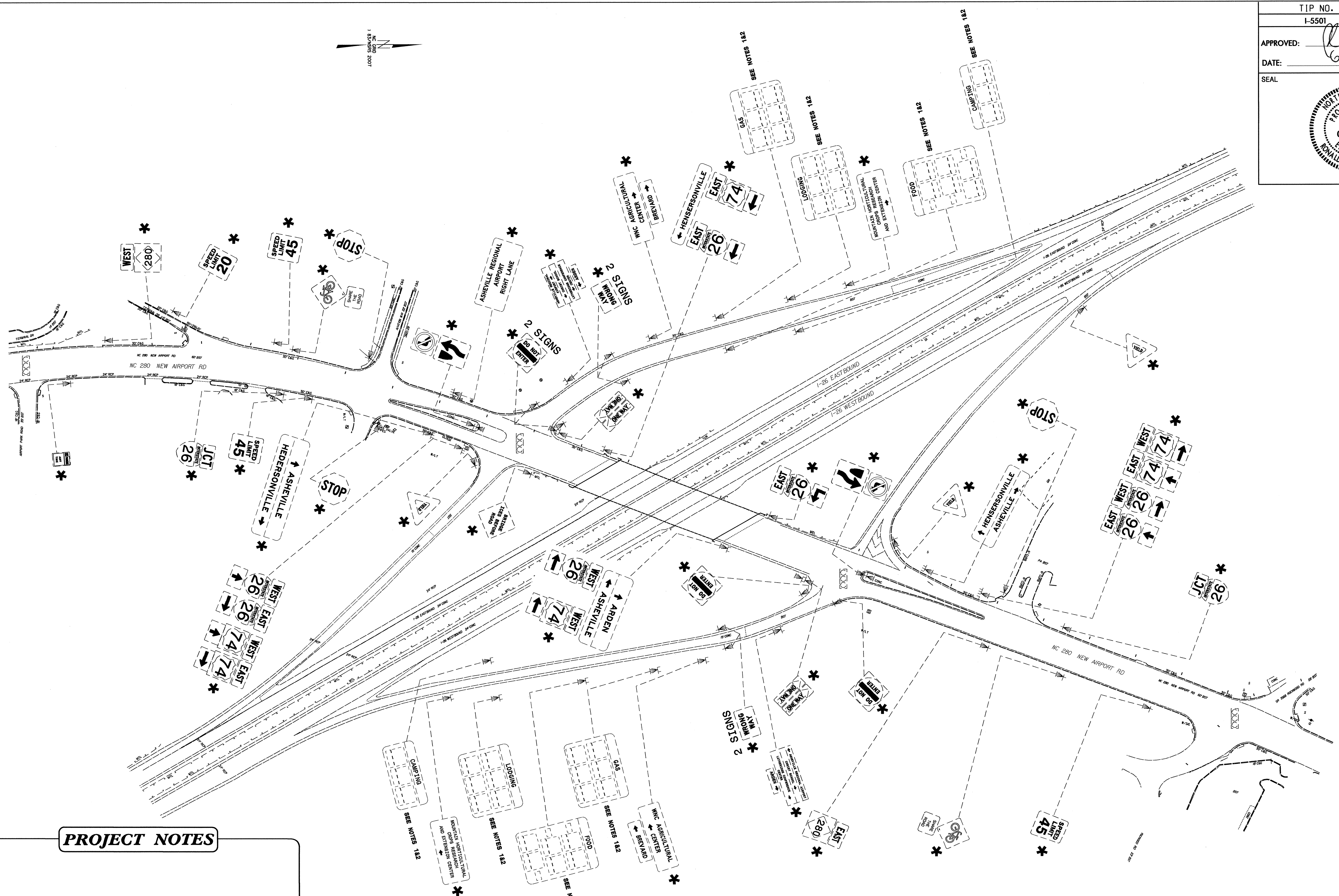
**NOTES:**

- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
- FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
- THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
- SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.

**OVERHEAD SIGN ASSEMBLY  
AT STA 33+40 +/- L-SBL**

04-JUN-2013 15:54  
 I:\Projects\15501\15501-5B\Signing\CADD\Overheads\I-5501-0H\_Assembly.dgn  
 signing\rl  
 15501-5B

TIP NO. I-5501	SHEET NO. SIGN-6
APPROVED: <i>R.W.K.</i>	
DATE: 6/10/13	
SEAL	



**PROJECT NOTES**

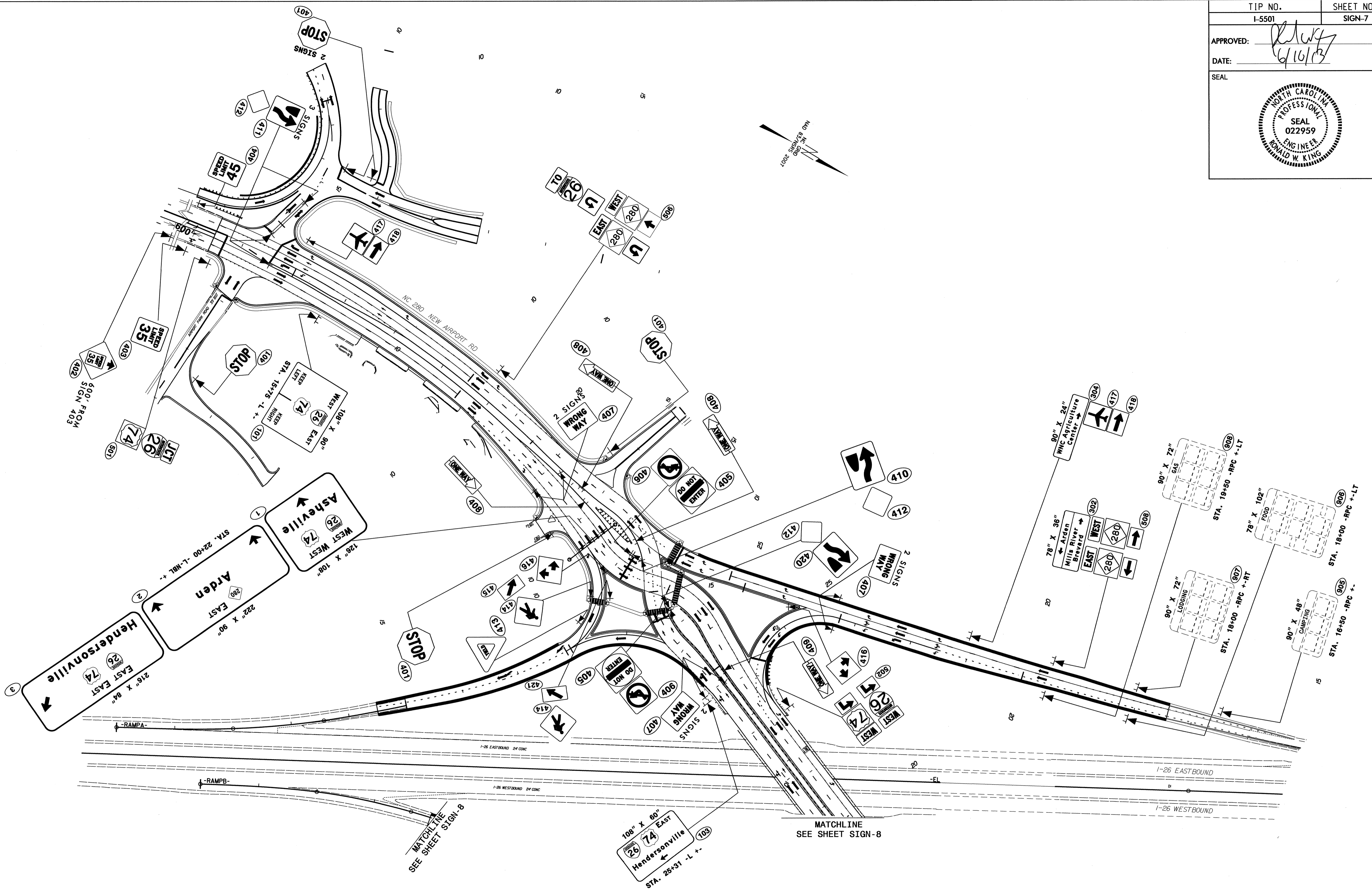
- 1 RELOCATE SIGN, TYPE A (GROUND MOUNTED)
- 2 DISPOSAL OF SUPPORT, STEEL BEAM
- 3 DISPOSAL OF SIGN SYSTEM, U-CHANNEL

\* SEE NOTE 3

**EXISTING SIGNS**

04-JUN-2013 16:00  
 P:\115501\Traffic\Signing\CADD\Signing Layout Plans\I-5501 Existing-Sgn.dgn  
 jgmer time: 1:24:11

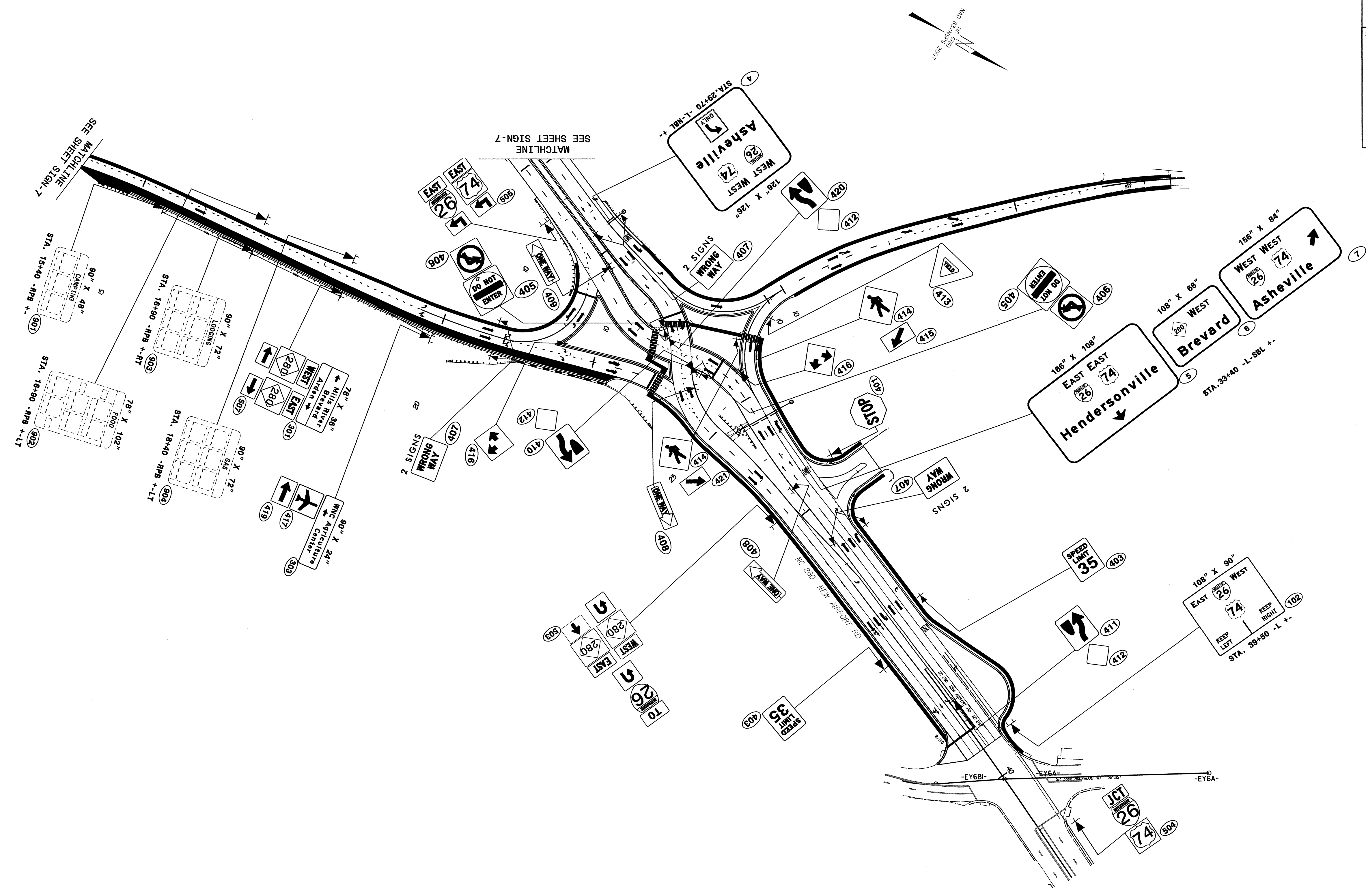
TIP NO. I-5501	SHEET NO. SIGN-7
APPROVED: <i>[Signature]</i>	
DATE: 6/10/13	
SEAL	



**PROPOSED SIGNS**

P:\JUN-2013\1547\I-5501\Traffic\Signing\Layout\Plans\I-5501\_Sgn\_SGN\_07.dgn  
 P:\JUN-2013\1547\I-5501\Traffic\Signing\Layout\Plans\I-5501\_Sgn\_SGN\_07.dgn  
 jgmerlinez AT 1E247756

TIP NO. I-5501	SHEET NO. SIGN-8
APPROVED: <i>[Signature]</i>	
DATE: 6/16/13	
SEAL	



07 JUN 2013 15:44  
 P:\TIP\I-5501\Teffic\Signing\CADD\Signing Layout Plans\I-5501\_Sgn\_SGN\_08.dgn  
 jmartinez

PROPOSED SIGNS