

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

TIP NO. I-5501	SHEET NO. SIGN-1
APPROVED: <i>[Signature]</i>	
DATE: 6/16/13	
SEAL	

SIGNING PLAN
BUNCOMBE COUNTY

LOCATION: I-26/NC 280 INTERCHANGE IN ASHEVILLE

T.I.P.: I-5501

CONTRACT: C203200

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

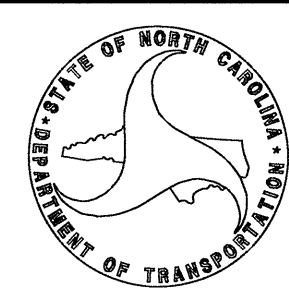
ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	3	C.Y.
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	2	C.Y.
4057000000	SP	OVERHEAD FOOTING	45	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	2516	LB.
4066000000	903	SUPPORTS, SIMPLE 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



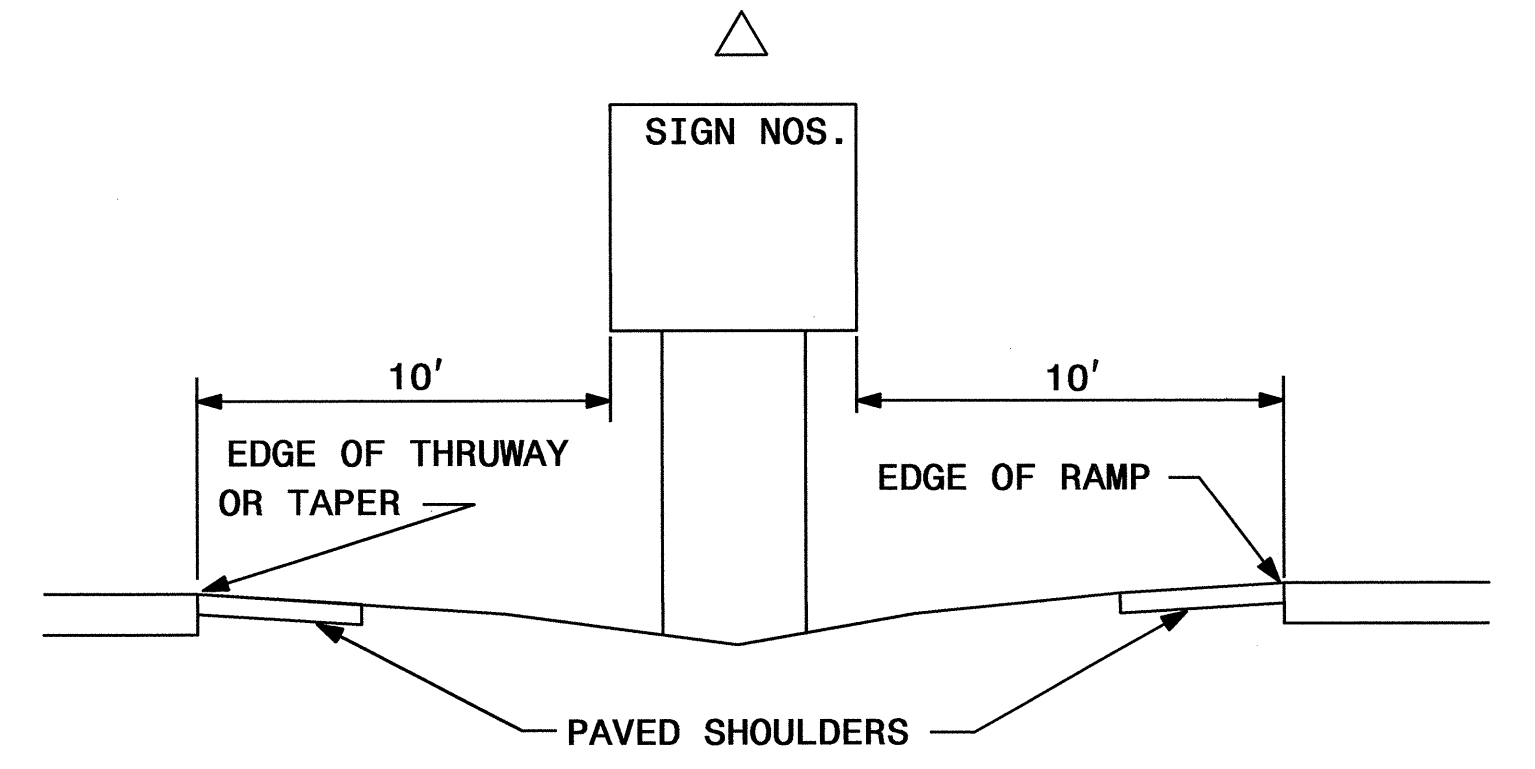
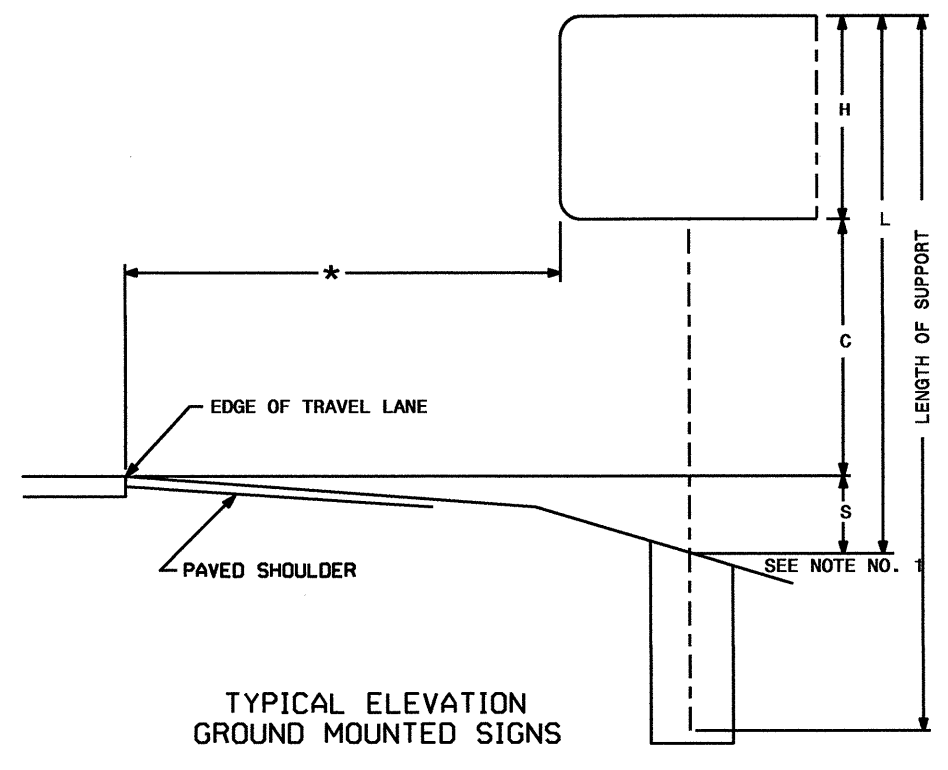
TIP NO. I-5501	SHEET NO. SIGN-2
APPROVED: <i>[Signature]</i>	
DATE: 6/10/13	
SEAL	

SIGN NO.	SIGN TYPE	SIGN SIZE (in.)			ROADWAY STATION	NO. OF SUP.	BEAM SECTION	SUPPORT TYPE	ATTACH METHOD	MOUNTING METHOD	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							CLR. (ft.)	SNS HT (ft.)	HT (ft.)	EMBED-MENT	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH							
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	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	TOTAL	TOTAL	TOTAL
	2515.71	707.09	2.03	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

04-JUN-2013 15:29 P:\TIP\Projects\I-5501\Traffic\Signing\CADD\Quantities & GM Signs\I-5501 0ties.dgn
 jmartinez AT 12/7/95

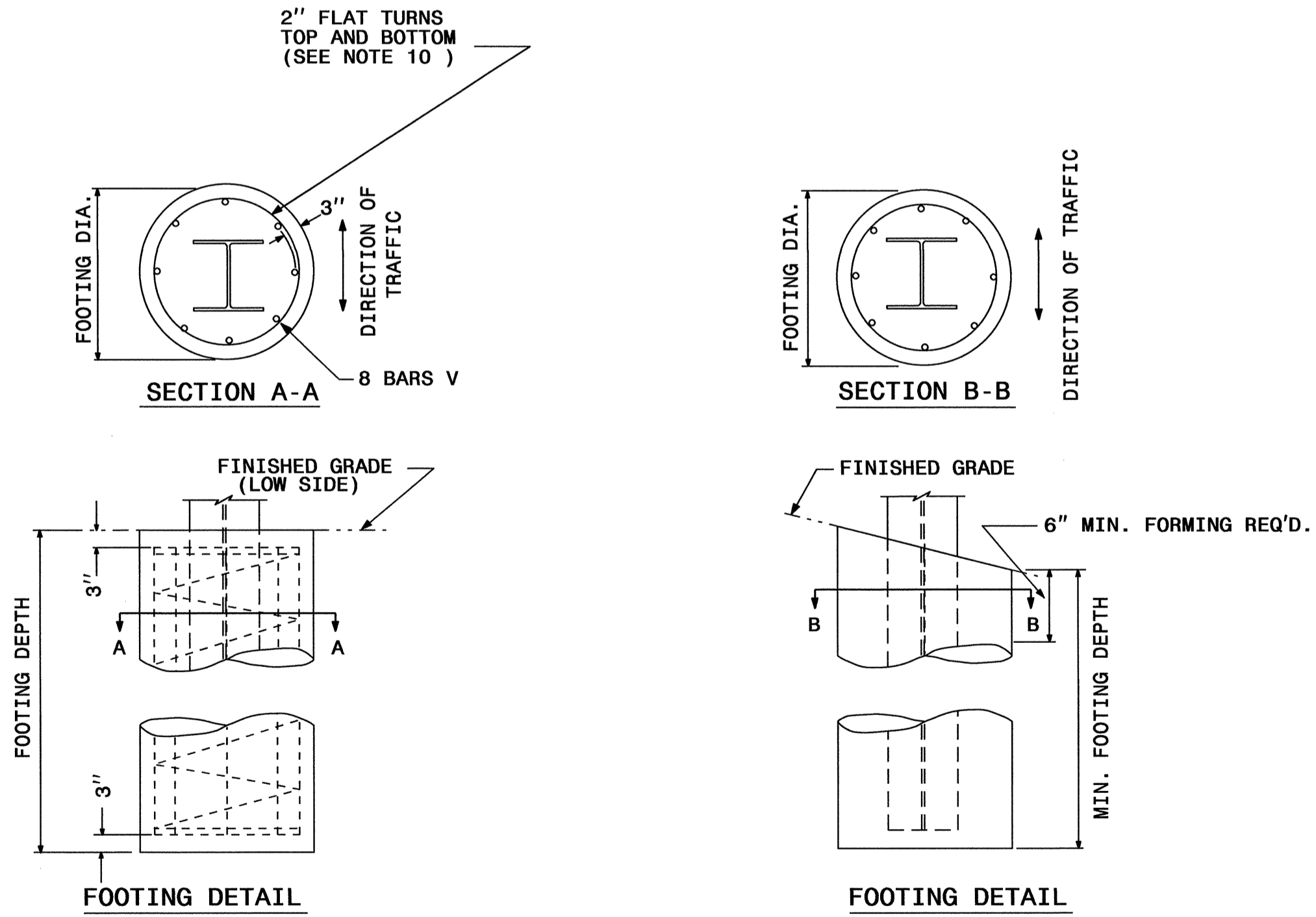
TIP NO. I-5501	SHEET NO. SIGN-2A
APPROVED: <i>R.W.K.</i>	
DATE: 6/10/13	
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STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 2 OF 3
903D10

BEAM SHAPE	BOLT SIZE	SLIP BASE PLATE DATA							KEEPER PLATE DATA							HINGE CONNECTION DATA							BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.			
		A ₁	B ₁	C ₁	D ₁	E ₁	T ₁	R ₁	A ₂	B ₂	C ₂	D ₂	E ₂	R ₂	T ₂	BOLT SIZE	F	G	H	I	J	K		L	R ₃	T ₃
S3X5.7	1/2"DIA. X 3"	7"	4"	1"	3/4"	2 1/2"	1"	9/32"	7"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2"DIA. X 1 1/4"	2 1/4"	3 1/2"	4"	1 1/2"	1"	1 1/2"	2"	9/32"	3/8"	18
S4X7.7	1/2"DIA. X 3"	8"	4"	1"	3/4"	2 1/2"	1"	9/32"	8"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2"DIA. X 1 1/4"	2 5/8"	3 1/2"	4"	1 1/2"	1"	1 1/2"	2"	9/32"	3/8"	20
W6X9	1/2"DIA. X 3"	10"	5"	1"	3/4"	3 1/2"	1"	9/32"	10"	5"	1"	3/4"	3 1/2"	9/32"	28 GAUGE	1/2"DIA. X 1 1/4"	4"	3 1/2"	4"	3/4"	1"	1 1/2"	2"	9/32"	3/8"	32
W6X12	5/8"DIA. X 3 3/4"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/4"	1 1/32"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/32"	28 GAUGE	5/8"DIA. X 2 1/4"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	3/8"	39
W6X16	5/8"DIA. X 3 3/4"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	1 1/32"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/32"	28 GAUGE	5/8"DIA. X 2 1/2"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	1/2"	47
W8X18	5/8"DIA. X 4 1/4"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/2"	1 1/32"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/32"	28 GAUGE	5/8"DIA. X 2 1/2"	5 1/4"	4"	4 1/2"	1"	1 1/8"	5/8"	2 1/4"	1 1/32"	1/2"	70
W8X21	3/4"DIA. X 4 1/4"	14"	7"	1 1/2"	1"	5"	1 1/2"	1 3/32"	14"	7"	1 1/2"	1"	5"	1 3/32"	28 GAUGE	3/4"DIA. X 2 3/4"	5 1/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	1/2"	73
W10X22	3/4"DIA. X 4 1/4"	16"	8"	1 1/2"	1"	6"	1 1/2"	1 3/32"	16"	8"	1 1/2"	1"	6"	1 3/32"	28 GAUGE	3/4"DIA. X 2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	1/2"	119
W10X26	3/4"DIA. X 4 3/4"	16 1/2"	8"	1 1/2"	1"	6"	1 3/4"	1 3/32"	16 1/2"	8"	1 1/2"	1"	6"	1 3/32"	28 GAUGE	3/4"DIA. X 2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	5/8"	140
W12X26	3/4"DIA. X 4 3/4"	18 1/2"	9"	1 1/2"	1"	7"	1 3/4"	1 3/32"	18 1/2"	9"	1 1/2"	1"	7"	1 3/32"	28 GAUGE	3/4"DIA. X 2 3/4"	6 1/2"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	5/8"	176
W14X30	1"DIA. X 5"	22"	9"	2"	1 1/2"	6"	2"	1 7/32"	22"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA. X 3"	6 3/4"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	5/8"	205
W16X31	1"DIA. X 5"	24"	9"	2"	1 1/2"	6"	2"	1 7/32"	24"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA. X 3 1/4"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	3/4"	223
W18X35	1"DIA. X 5"	25"	9"	2"	1 1/2"	6"	2"	1 7/32"	25"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA. X 3 1/4"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	3/4"	243
W18X40	1"DIA. X 5 1/2"	26"	9"	2"	1 1/2"	6"	2 1/4"	1 7/32"	26"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA. X 3 3/4"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	278
W21X44	1"DIA. X 5 1/2"	29"	9"	2"	1 1/2"	6"	2 1/2"	1 7/32"	29"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA. X 3 3/4"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	310



FOUNDATION DATA *		
FOOTING DIAMETER	REINFORCEMENT	SPIRAL BAR
1' 6"	8 # 6 BARS	#3 BAR, 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

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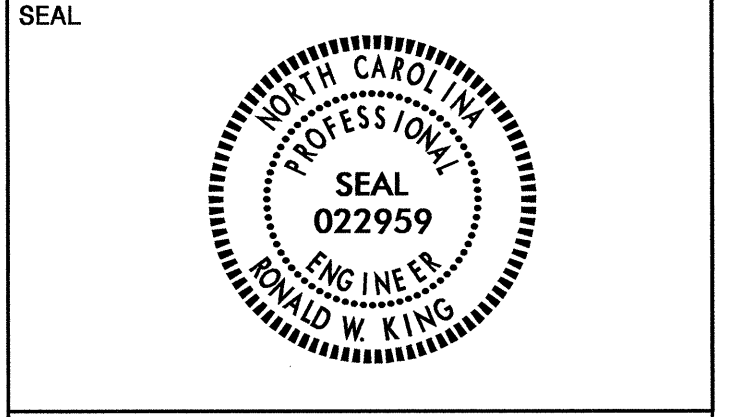
ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

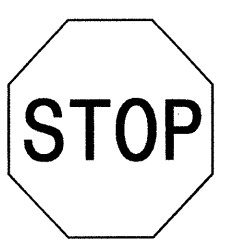

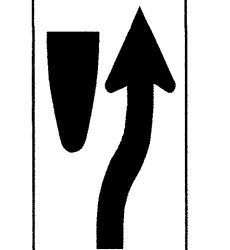
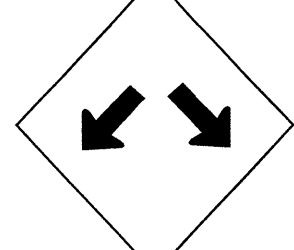
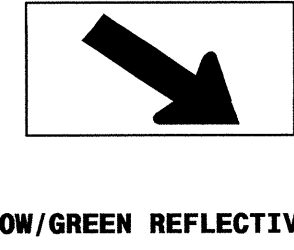
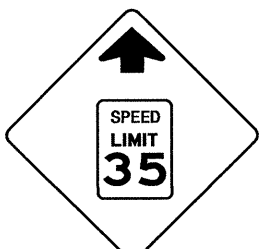
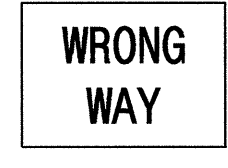
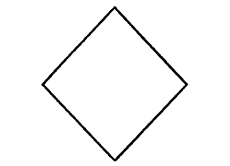
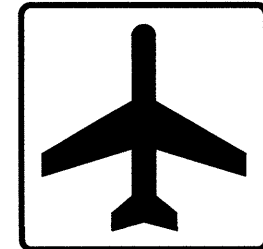
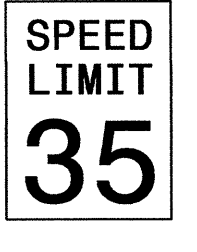

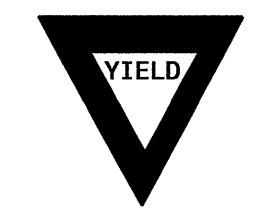
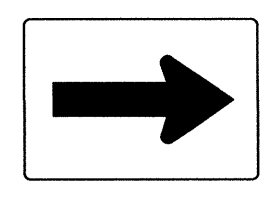
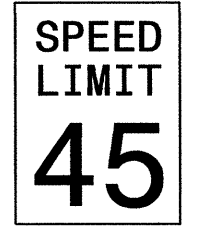


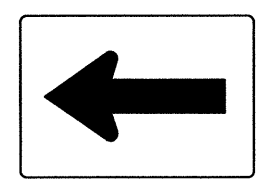
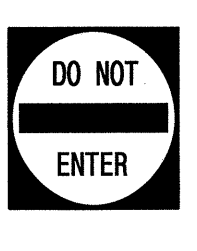
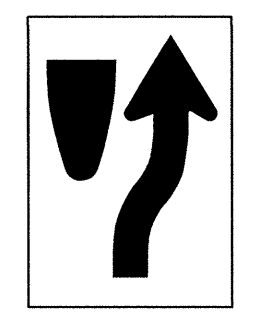
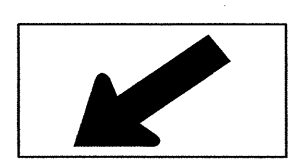
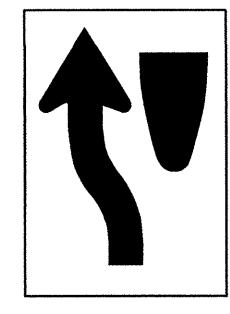
SHEET 2 OF 3
903D10

**REVISED SIGNING
ROADWAY STANDARD DRAWING**

04-JUN-2013 15:29
P:\TIP\Projects\N550N\Traffic\Signing\CADD\Quantities & GM_Signs\I-550I01ties.dgn
Jgmartinez AT TE247795

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

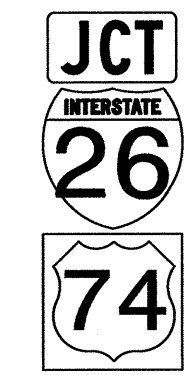


<p>401 QUANTITY REQ'D <u>6</u></p>  <p>30" X 30" R1-1</p> <p>ONE "U" POST PER SIGN</p>	<p>406 QUANTITY REQ'D <u>4</u></p>  <p>36" X 36" R3-2</p> <p>MOUNT BEHIND SIGN 405. IN <u>4</u> INSTALLATIONS</p>	<p>411 QUANTITY REQ'D <u>4</u></p>  <p>18" X 30" R4-7C</p> <p>ONE "U" POST PER SIGN</p>	<p>416 QUANTITY 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
 P:\IT\Projects\15501\Traffic\Signing\CADD\Quantities & GM Signs\I-5501 0tres.dgn
 jgmarinez AI 1E247795

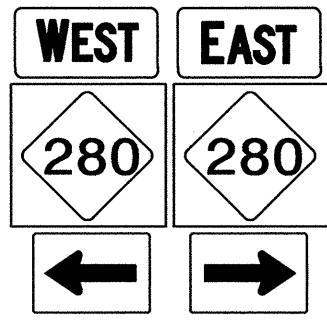
501
504



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

ONE "U" POST PER SIGN

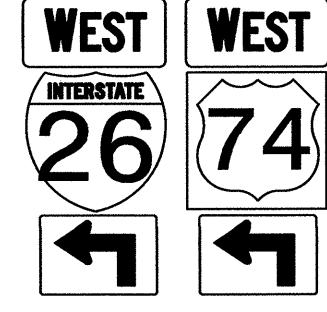
507



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

MOUNT BELOW SIGN 301

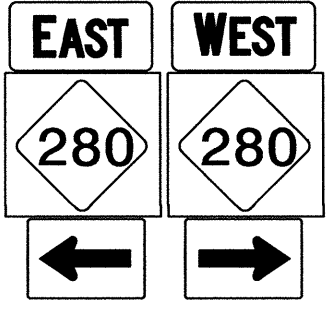
502



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

TWO "U" POSTS PER SIGN

508



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

MOUNT BELOW SIGN 302

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"
 RADII: 1.5"
 NO. Z BARS:
 LENGTH:

BACKG. COLOR: White
 COPY COLOR: Black

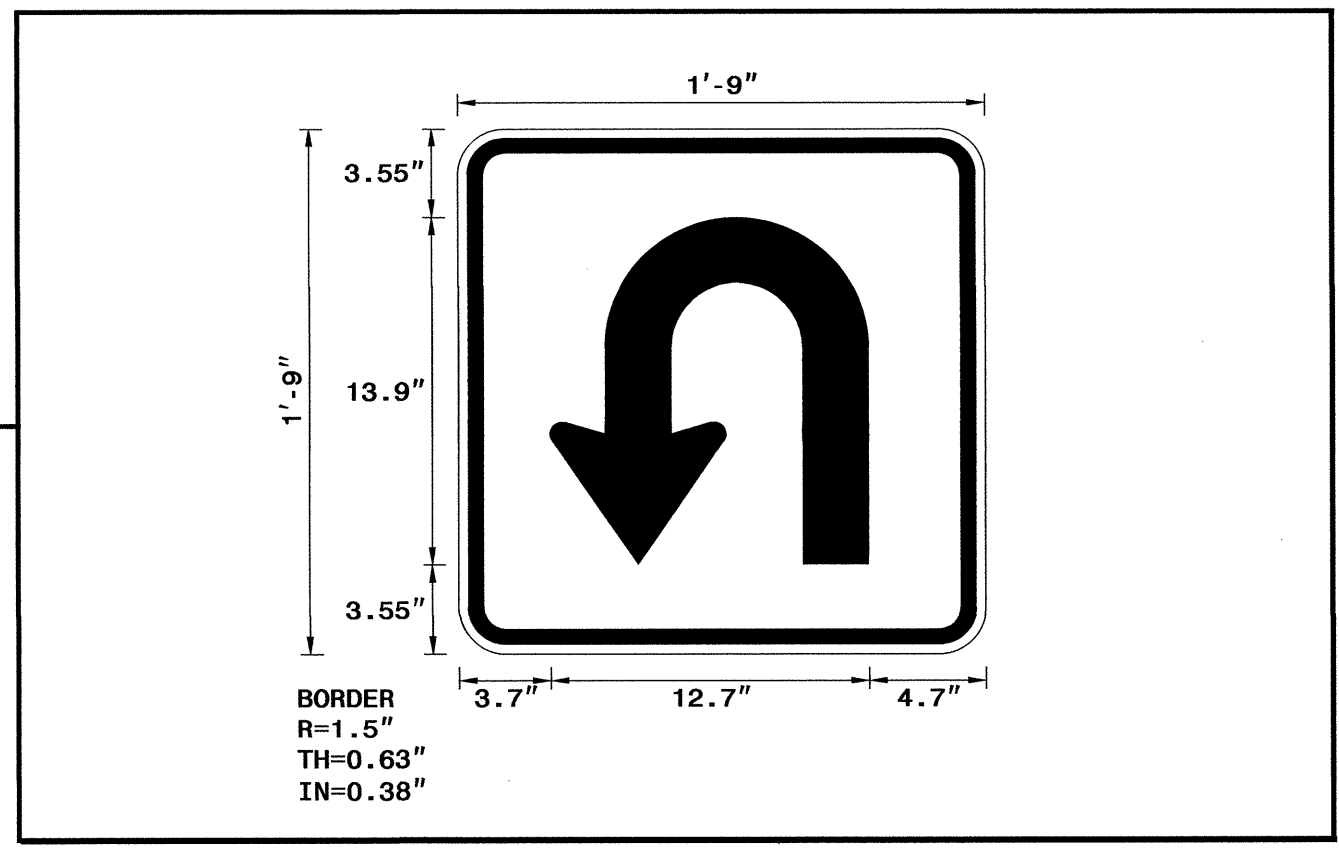
DESIGN BY: DME
 PROJECT ID:

CHK BY:
 DIV:

STD #: S5TN
 DATE: Aug 02, 2011

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

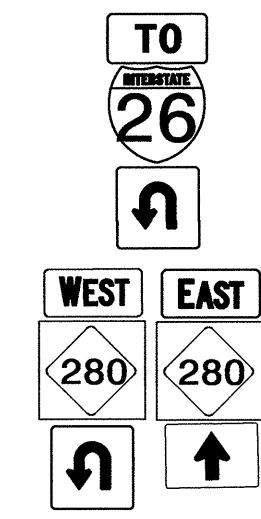
SYMBOL	X	Y	WID	HT
u arrow	3.7	3.5	12.7	13.9



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.

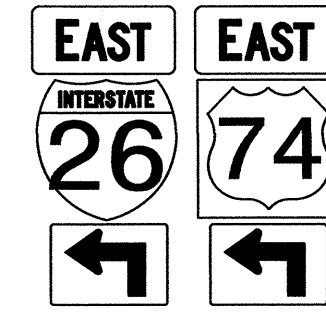
503



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

TWO "U" POSTS PER SIGN

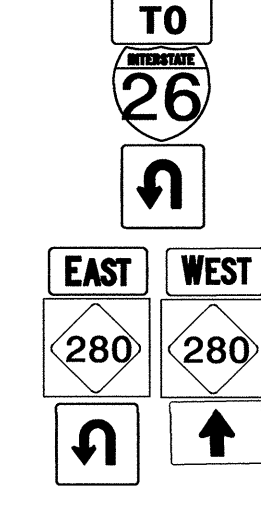
505



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

TWO "U" POSTS PER SIGN

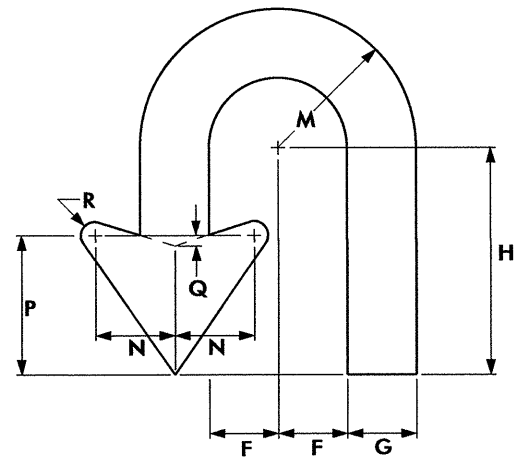
506



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

TWO "U" POSTS PER SIGN

Arrow Details

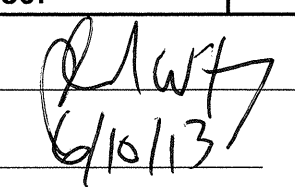



ARROW DIMENSIONS (INCHES)	F	G	H	M	N	P	Q	R
	2.625	2.625	8.659	5.25	3	5.25	0.375	0.5

Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

TYPE "F" SIGNS

07-JUN-2013 15:37
 P:\Projects\I-5501\Traffic\Signing\CADD\Quantities & GM Signs\I-5501 0ties.dgn
 Jmarteinez AT 15247795

TIP NO. I-5501	SHEET NO. SIGN-4
APPROVED: 	
DATE: 6/10/13	
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

BACKG COLOR: Green
COPY COLOR: White

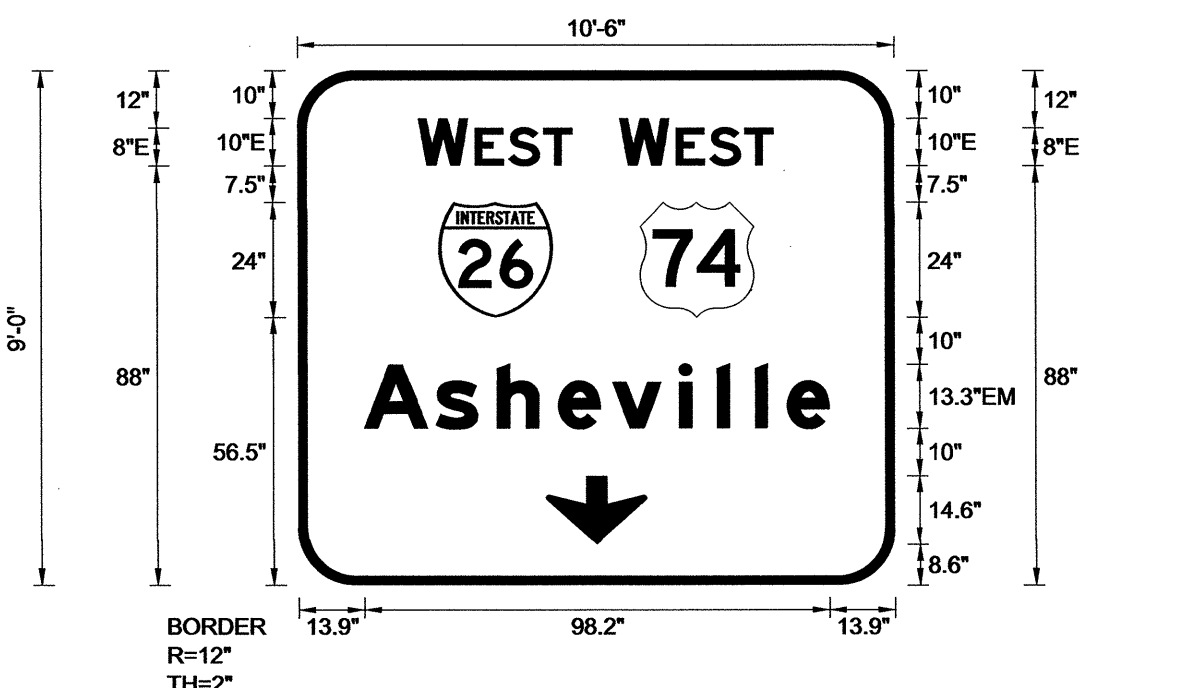
SYMBOL	X	Y	WID	HT
M1_1	29.7	56.5	24	24
M1_4	72.3	56.5	24	24
ARDOWN	52.3	8.5	21.3	14.6

MAT'L: 0.125" (3.2 mm) ALUMINUM

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:

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



Spacing Factor is 1 unless specified otherwise

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

LETTER POSITIONS

Letter spacings are to start of next letter

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

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

BACKG COLOR: Green
COPY COLOR: White

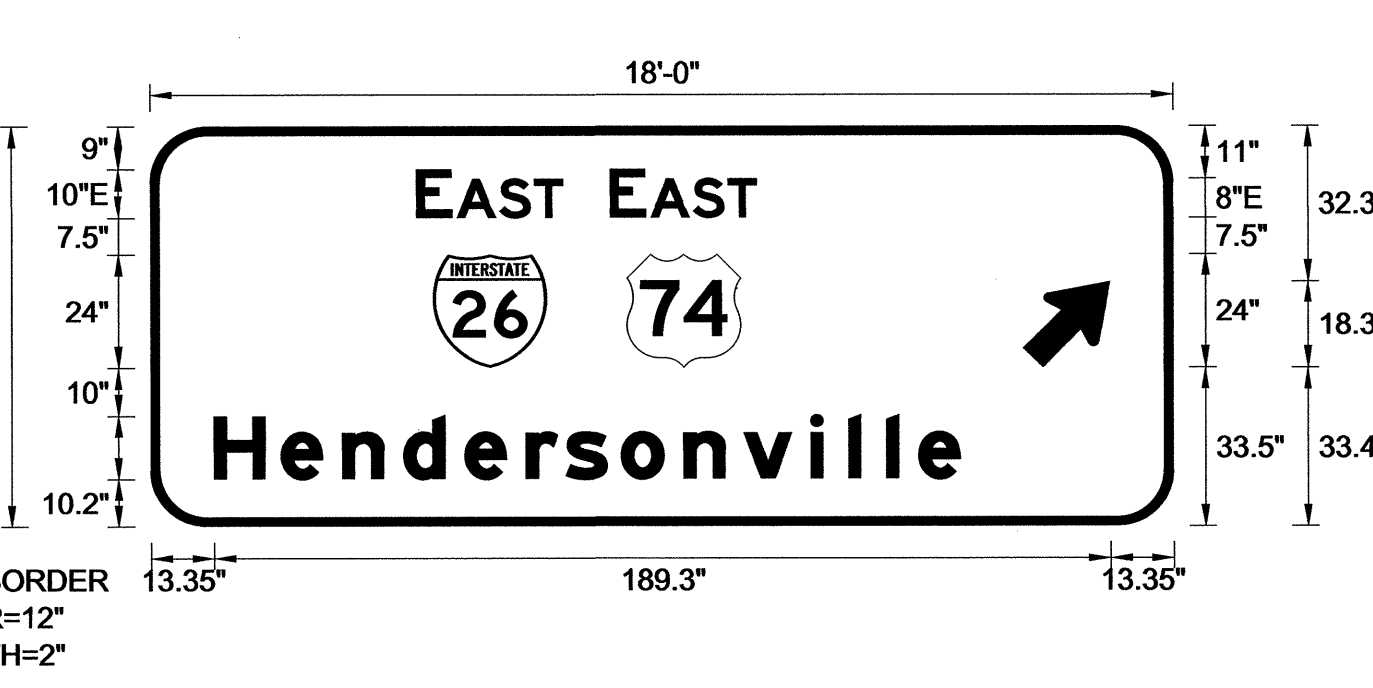
SYMBOL	X	Y	WID	HT
M1_1	59.7	33.5	24	24
M1_4	100.6	33.5	24	24
ARUP	184.3	33.4	15.4	23

MAT'L: 0.125" (3.2 mm) ALUMINUM

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:

DESIGN BY: JGM
PROJECT ID: I-5501
CHECKED BY: KLJ
DIV: 13
DATE: Jan 25, 2013



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

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

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	32.5
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

BACKG COLOR: Green
COPY COLOR: White

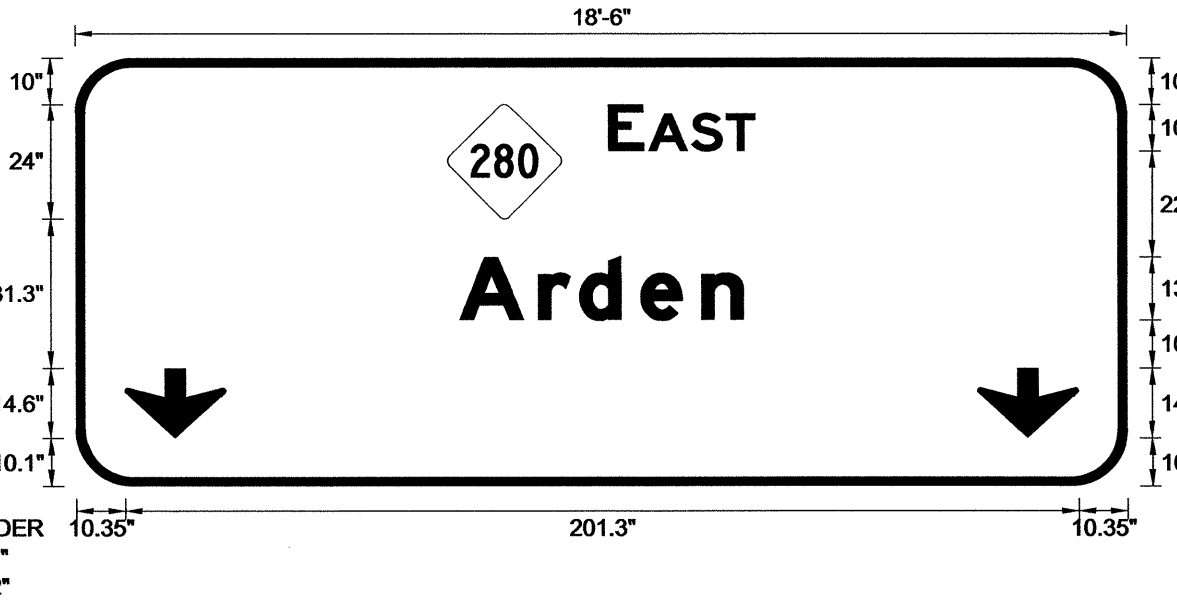
SYMBOL	X	Y	WID	HT
M1-5-3-48-14C	78.5	56	24	24
ARDOWN	10.3	10.1	21.3	14.6
ARDOWN	190.3	10.1	21.3	14.6

MAT'L: 0.125" (3.2 mm) ALUMINUM

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:

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



Spacing Factor is 1 unless specified otherwise

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

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

BACKG COLOR: Green
COPY COLOR: White


SYMBOL	X	Y	WID	HT
M1_1	29.7	74.5	24	24
M1_4	72.3	74.5	24	24

MAT'L: 0.125" (3.2 mm) ALUMINUM

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:

DESIGN BY: JGM
PROJECT ID: I-5501
CHECKED BY: KLJ
DIV: 13
DATE: Jan 25, 2013



Spacing Factor is 1 unless specified otherwise

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

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

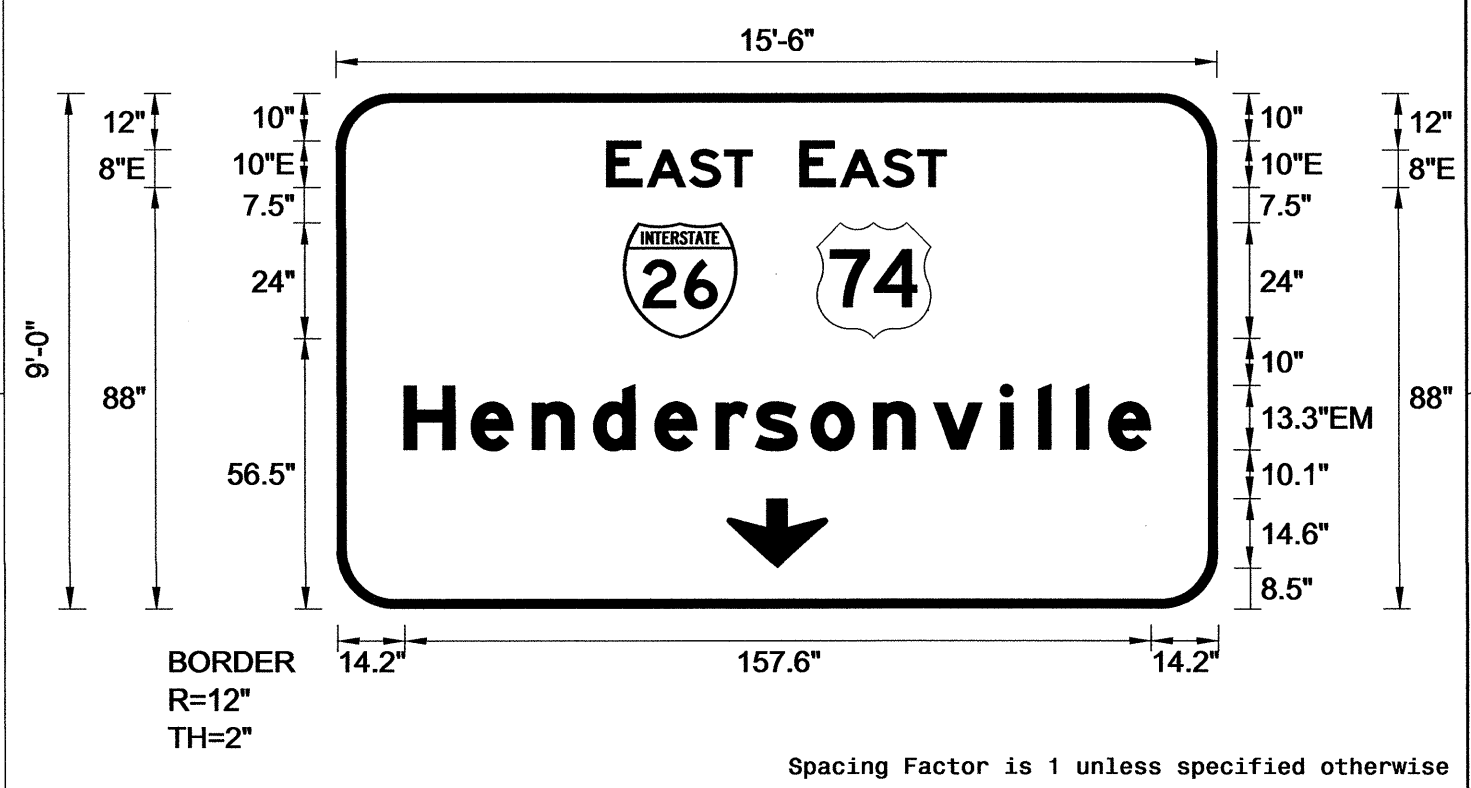
04-JUN-2013 15:31 P:\JPP\Projects\I-5501\Traffic\Signing\CADD\Quantities & CM Signs\I-5501 Ques.dgn jgmarinez AT 1E247795

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

SYMBOL	X	Y	WID	HT
W1_1	60.5	56.5	24	24
W1_4	101.5	56.5	24	24
ARDOWN	82.3	8.4	21.3	14.6

DESIGN BY: JGM
 PROJECT ID: I-5501
 CHECKED BY: KLJ
 DIV: 13
 DATE: Jan 25, 2013



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

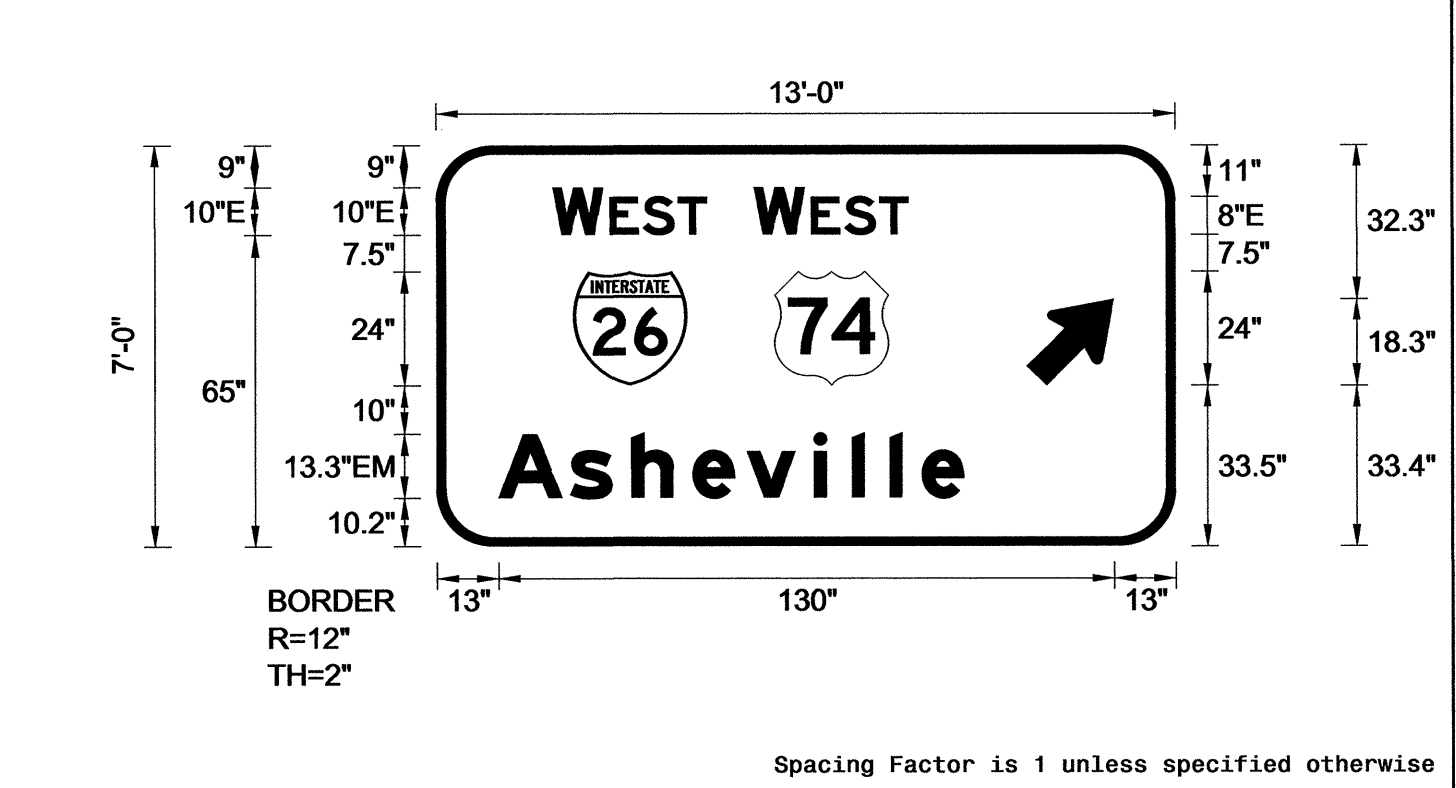
Series/Size	Text Length
E 2000	30.9
E 2000	30.9
EM 2000	157.6

FILENAME: I-5501 Sign Designs

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

SYMBOL	X	Y	WID	HT
W1_1	28.9	33.5	24	24
W1_4	71.4	33.5	24	24
ARUP	124.7	33.4	15.4	23

DESIGN BY: JGM
 PROJECT ID: I-5501
 CHECKED BY: KLJ
 DIV: 13
 DATE: Jan 25, 2013



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	32.5
EM 2000	98.2

FILENAME: I-5501 Sign Designs

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

APPROVED: *[Signature]*

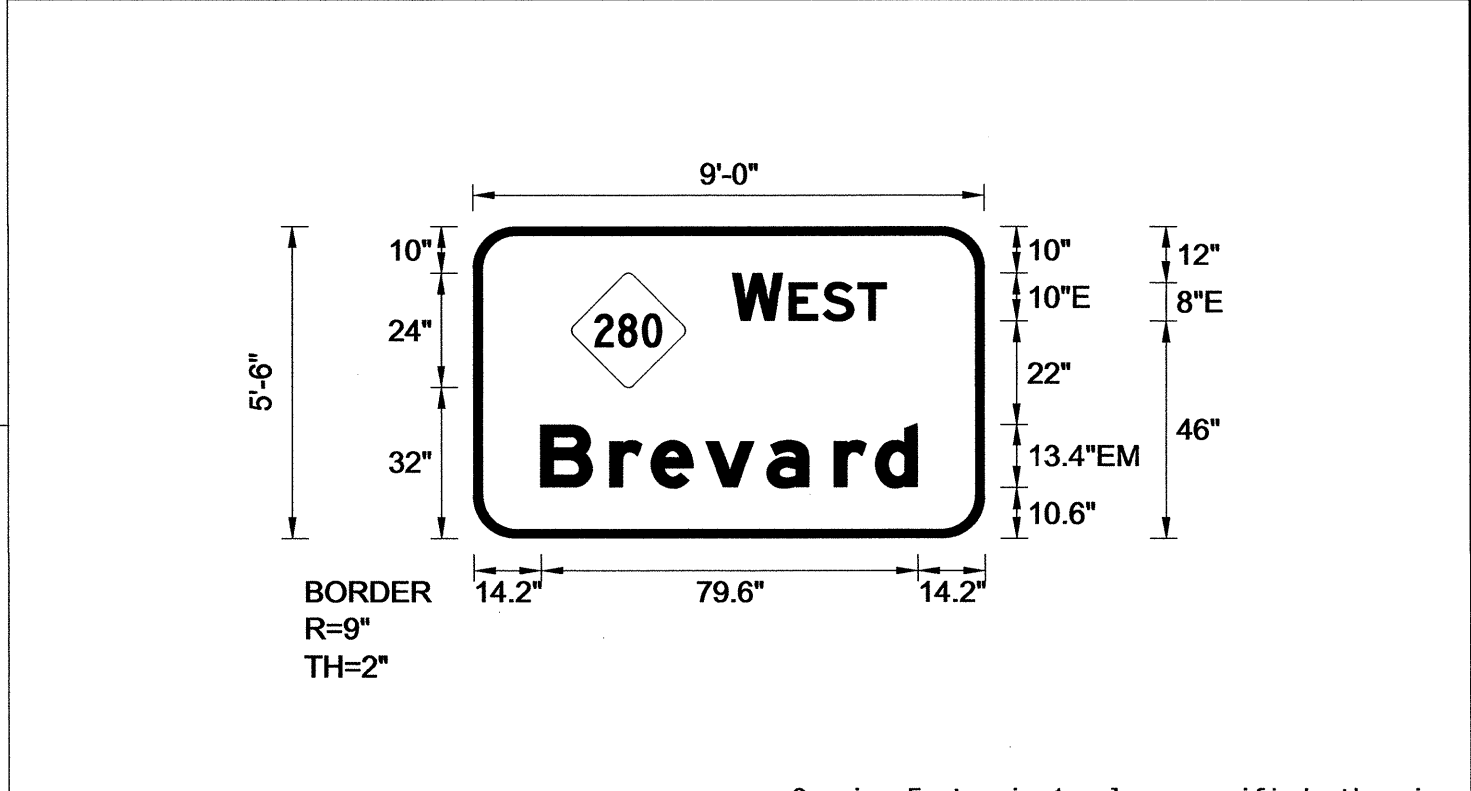
DATE: 6/10/13

SEAL

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

SYMBOL	X	Y	WID	HT
W1-5-3-48-14C	20.7	32	24	24

DESIGN BY: JGM
 PROJECT ID: I-5501
 CHECKED BY: KLJ
 DIV: 13
 DATE: Jan 25, 2013



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

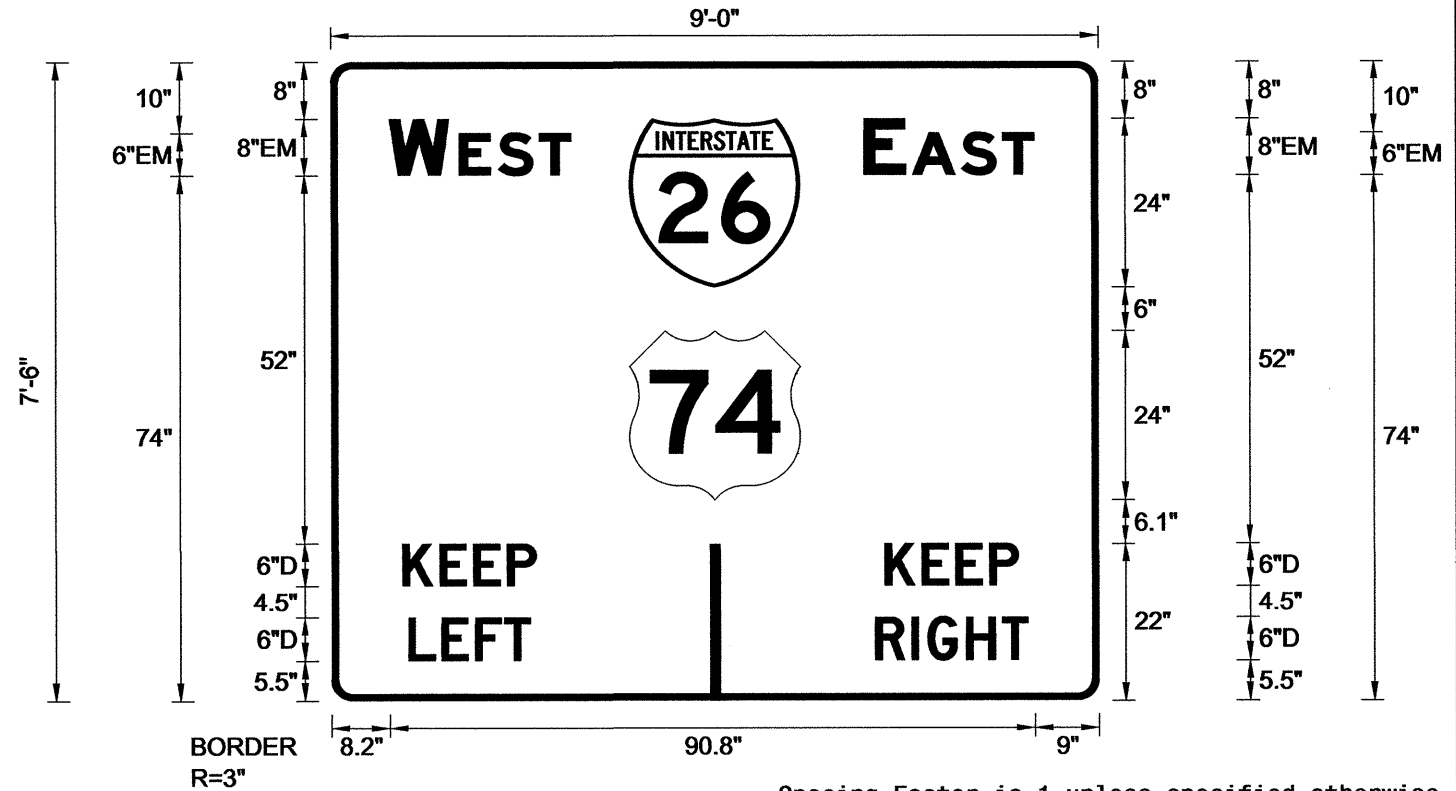
Series/Size	Text Length
E 2000	32.5
EM 2000	79.6

FILENAME: I-5501 Sign Designs

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: 1"
 RADII: 3"
 NO. Z BARS: 3
 LENGTH: 100.0

SYMBOL	X	Y	WID	HT
W1_1	42	58	24	24
W1_4	42	28	24	24

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



USE NOTES: 1,2,3
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
 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
EM 2000	25.6
EM 2000	24
D 2000	18.8
D 2000	18.8
D 2000	17.2
D 2000	21.5

FILENAME: I-5501 Sign Designs

04-JUN-2013 15:32 P:\Projects\15501\Traffic\Signing\CADD\Quantities & CM_Signs\I-5501_Qties.dgn jgmar-tinez AT 1E247795

SIGN DESIGNS

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

APPROVED: *[Signature]*

DATE: 6/10/13

SEAL

SIGN NUMBER: 102
TYPE: A
QUANTITY: 1
SIGN WIDTH: 9'-0"
HEIGHT: 7'-6"
TOTAL AREA: 67.5 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
W1_1	42	58	24	24
W1_4	42	27.9	24	24

NO. Z BARS: 3
LENGTH: 100.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

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:

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

Panel Style: Standard 8 Inch_D.ssi
M.U.T.C.D.: 2003 Edition

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size Text Length	E	A	S	T
EM 2000 24	9 5.9	0.9 7 5.8	4.4 75	
EM 2000 25.6	74.2 8.5	1.4 5.5 5.8	4.4 8.2	
D 2000 18.8	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 17.2	10.8 4.6	4.7 4.1 3.7	80	
D 2000 21.5	76.5 5.1	2.3 5.4 5	3.7 10	

FILENAME: I-5501 Sign Designs

SIGN NUMBER: 301
TYPE: D
QUANTITY: 1
SIGN WIDTH: 6'-6"
HEIGHT: 3'-0"
TOTAL AREA: 19.5 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

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

NO. Z BARS: 3
LENGTH: 100.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

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:

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size Text Length	M	i	l	l	s	R	i	v	e	r
EM 2000 51.8	20.6	7.6	3.6	3.6	2.9	4 6 6.5	2.9	5.0	5.0	3 5.6
EM 2000 35.6	28.7	6.5	3.9	5.2	5.8	6.4	3.9	4 13.7		
EM 2000 27	18	7.5	3.9	5.8	5.8	4 33				

FILENAME: I-5501 Sign Designs

SIGN NUMBER: 103
TYPE: A
QUANTITY: 1
SIGN WIDTH: 9'-0"
HEIGHT: 5'-0"
TOTAL AREA: 45.0 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
W1_1	10	31	24	24
W1_4	42	31	24	24
ARMED	47.7	5	8	12.6

NO. Z BARS: 2
LENGTH: 100.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

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.

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size Text Length	E	A	S	T
EM 2000 24	74 5.9	0.9 7 5.8	4.4 10	
EM 2000 94.6	6.7 8.5	7.8 7.8 7.8	5 7 7.9 7.6 8.5 4.8 4.8 4.1 5.3 6.7	

FILENAME: I-5501 Sign Designs

SIGN NUMBER: 302
TYPE: D
QUANTITY: 1
SIGN WIDTH: 6'-6"
HEIGHT: 3'-0"
TOTAL AREA: 19.5 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

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

NO. Z BARS: 3
LENGTH: 100.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

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:

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS


Letter spacings are to start of next letter

Series/Size Text Length	A	r	d	e	n	R	i	v	e	r
EM 2000 27	33 7.5	3.9 5.8	5.8 4 18							
EM 2000 51.8	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 35.6	13.7	6.5	3.9 5.2	5.8 6.4 3.9	4 28.7					

FILENAME: I-5501 Sign Designs

SIGN DESIGNS

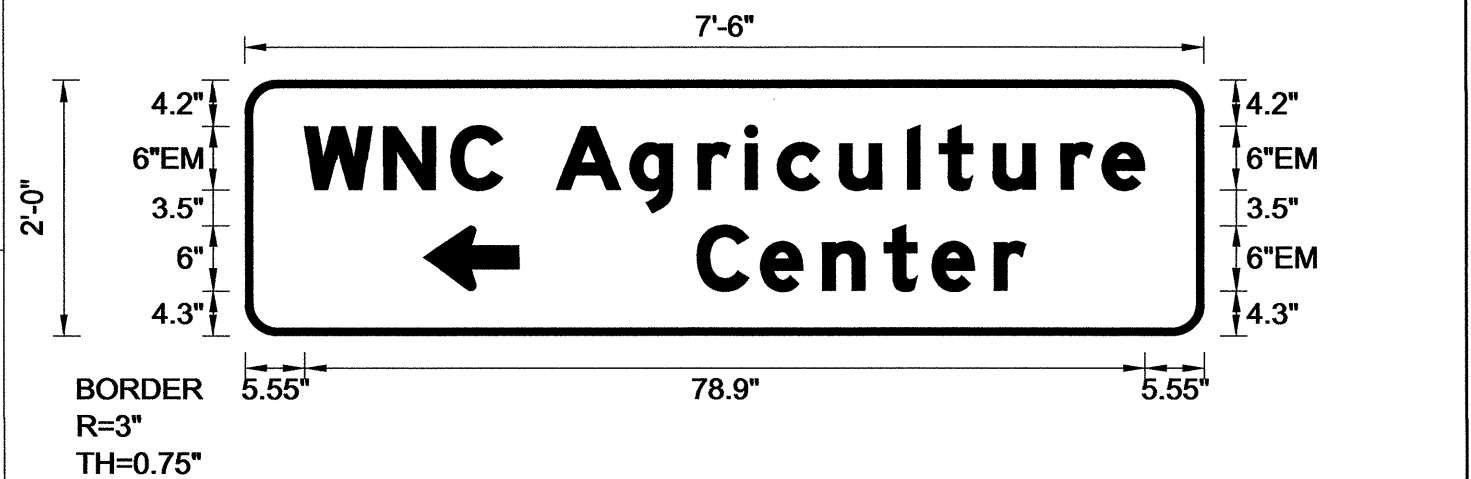
04-JUN-2013 15:32 P:\TIP\Projects\I-5501\Traffic\Signing\CADD\Quantities & GM Signs\I-5501 Dties.dgn jgm-ar-tnz AT 1E247795

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:
 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

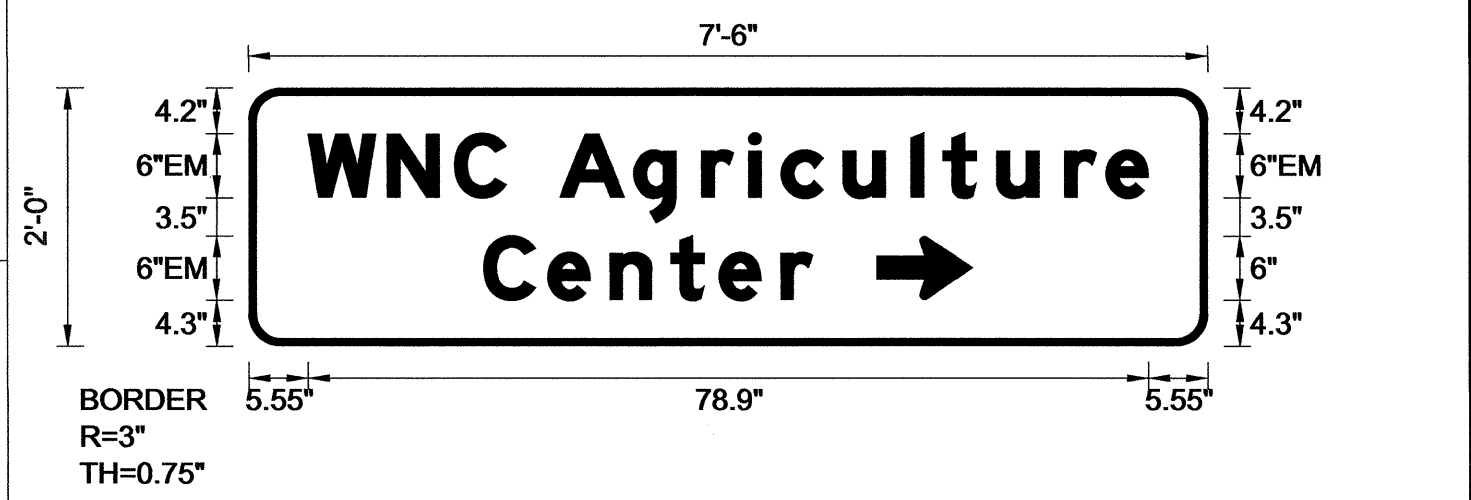
C e n t e r
 42.4 6 5.8 5.8 4.5 5.8 3 16.7

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:
 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

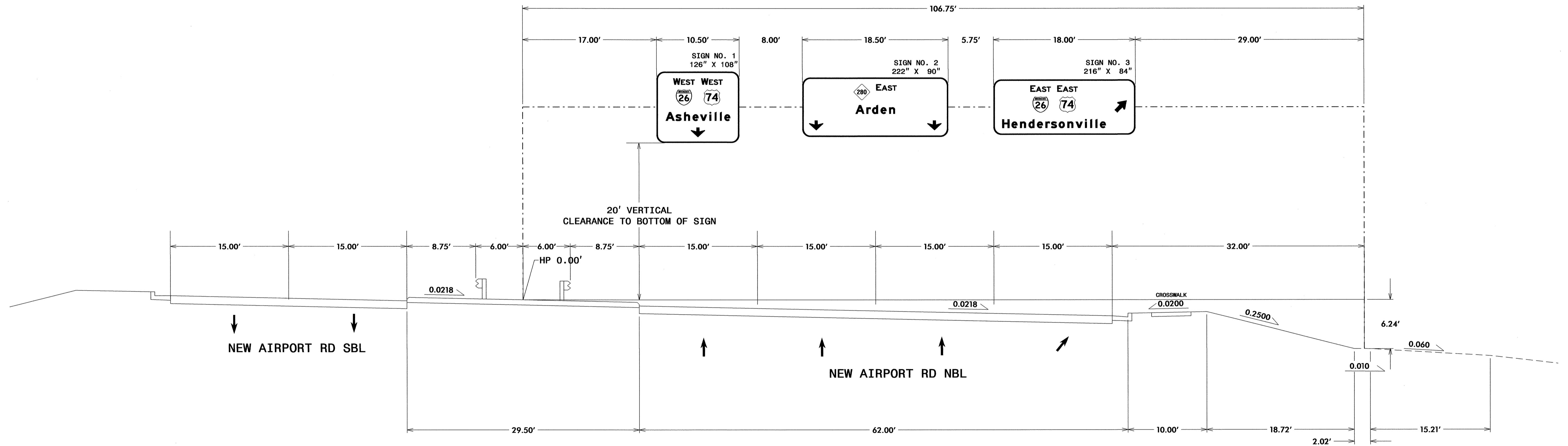
C e n t e r
 22 6 5.8 5.8 4.5 5.8 3 37.1

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

04-JUN-2013 15:36
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 Jmartinez AT 12/27/95

SIGN DESIGNS

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

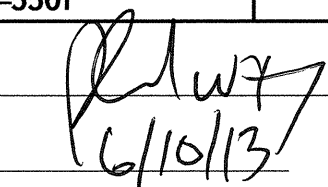



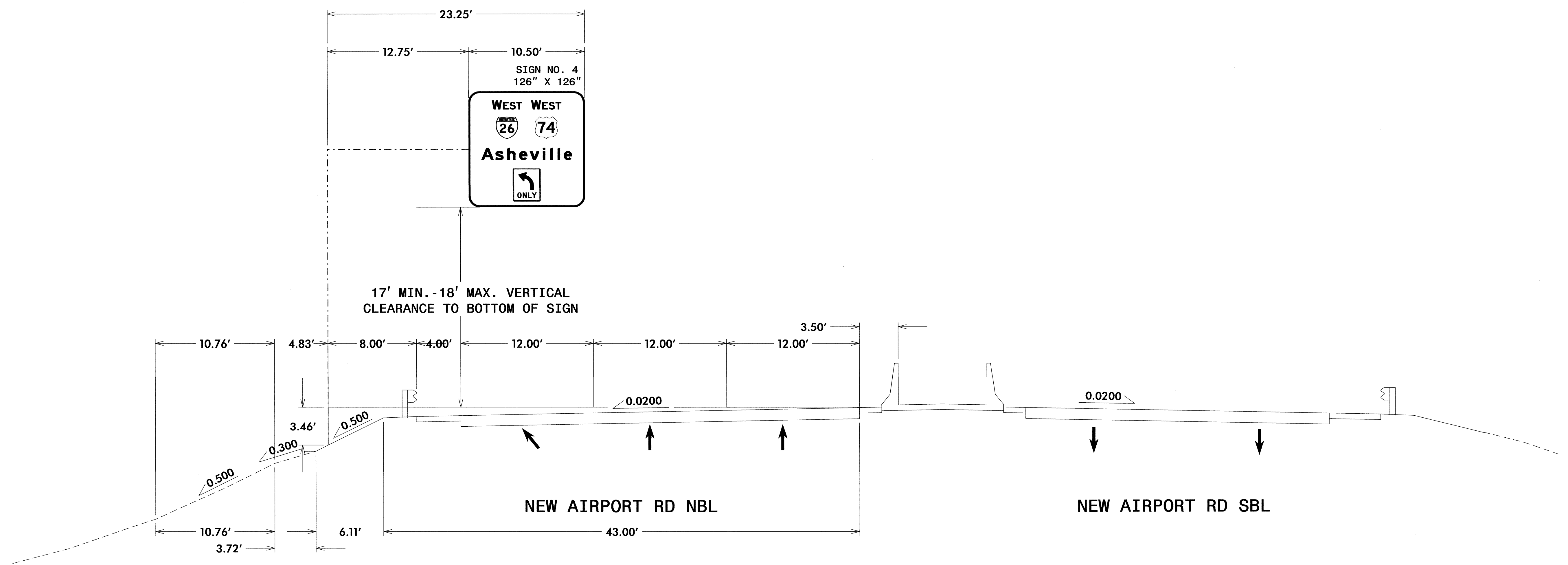
NOTES:

- 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 22 + 00 +/- L-NBL**

04-JUN-2013 15:41
 P:\TIP\Projects\I-5501\Office\Signing\CADD\Overheads\I-5501_0H Assemblies.dgn
 jgmartinez AT 1E247795

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



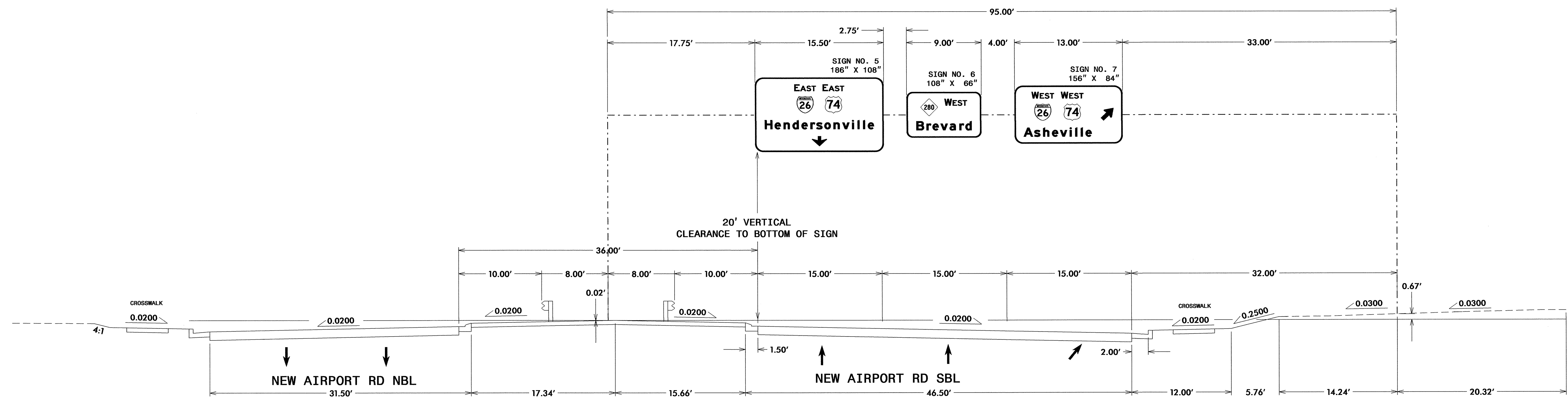
NOTES:

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
 P:\TIP\Projects\I-5501\Tegffic\Signing\CAD\Overheads\I-5501_0H_Assemblies.dgn
 jgmarinez AT 12/24/12

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

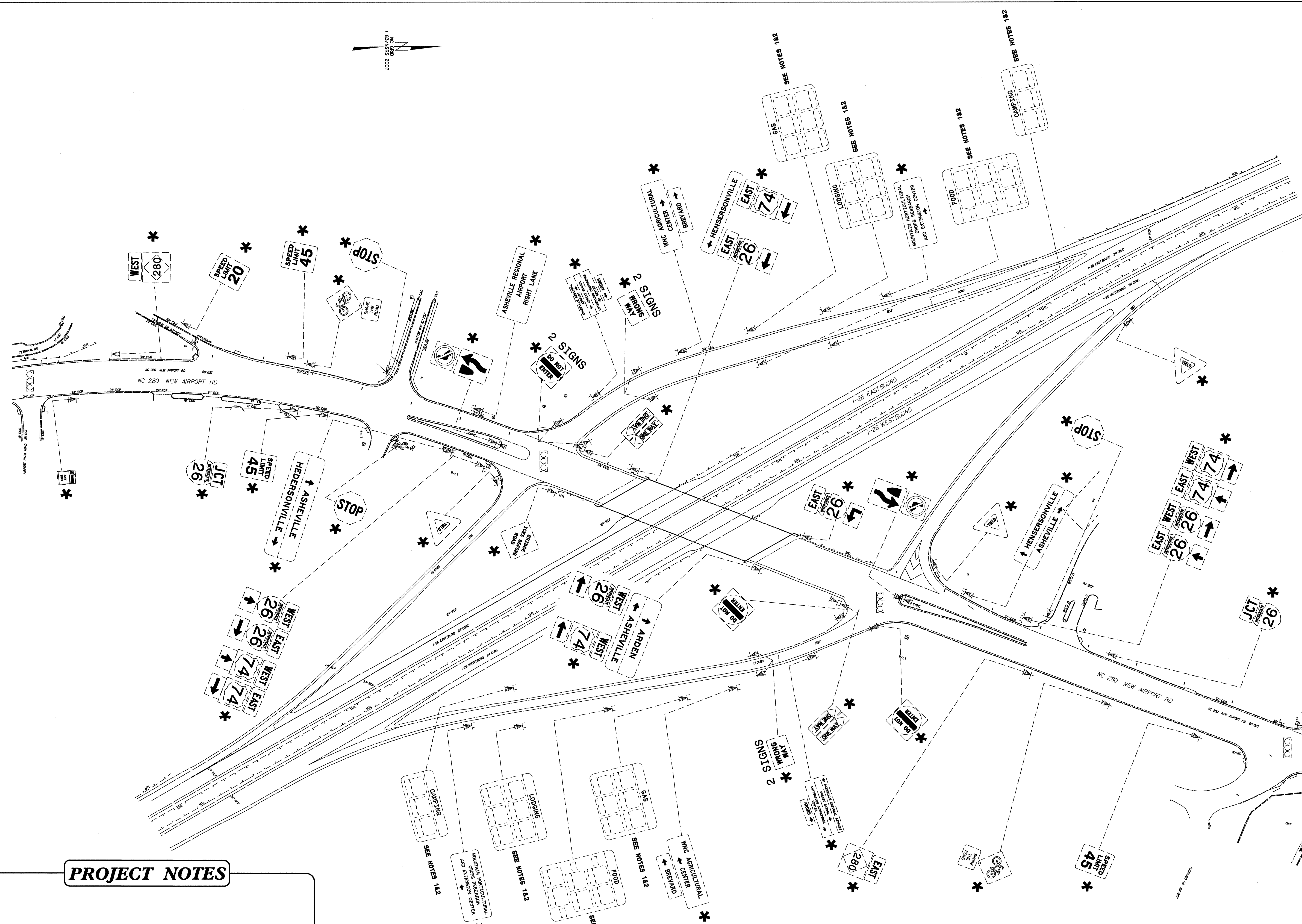
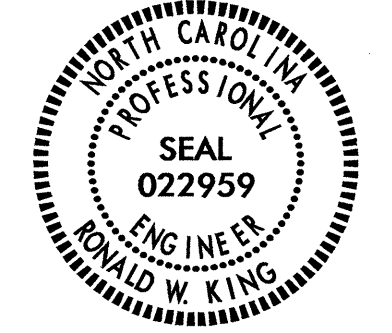


NOTES:

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 33+40 +/- L-SBL**

04 JUN 2013 15:54 I:\5501\I-5501\Signing\CADD\Overheads\I-5501_OH_Assemblies.dgn
 I:\5501\I-5501\Signing\CADD\Overheads\I-5501_OH_Assemblies.dgn
 I:\5501\I-5501\Signing\CADD\Overheads\I-5501_OH_Assemblies.dgn
 I:\5501\I-5501\Signing\CADD\Overheads\I-5501_OH_Assemblies.dgn



PROJECT NOTES

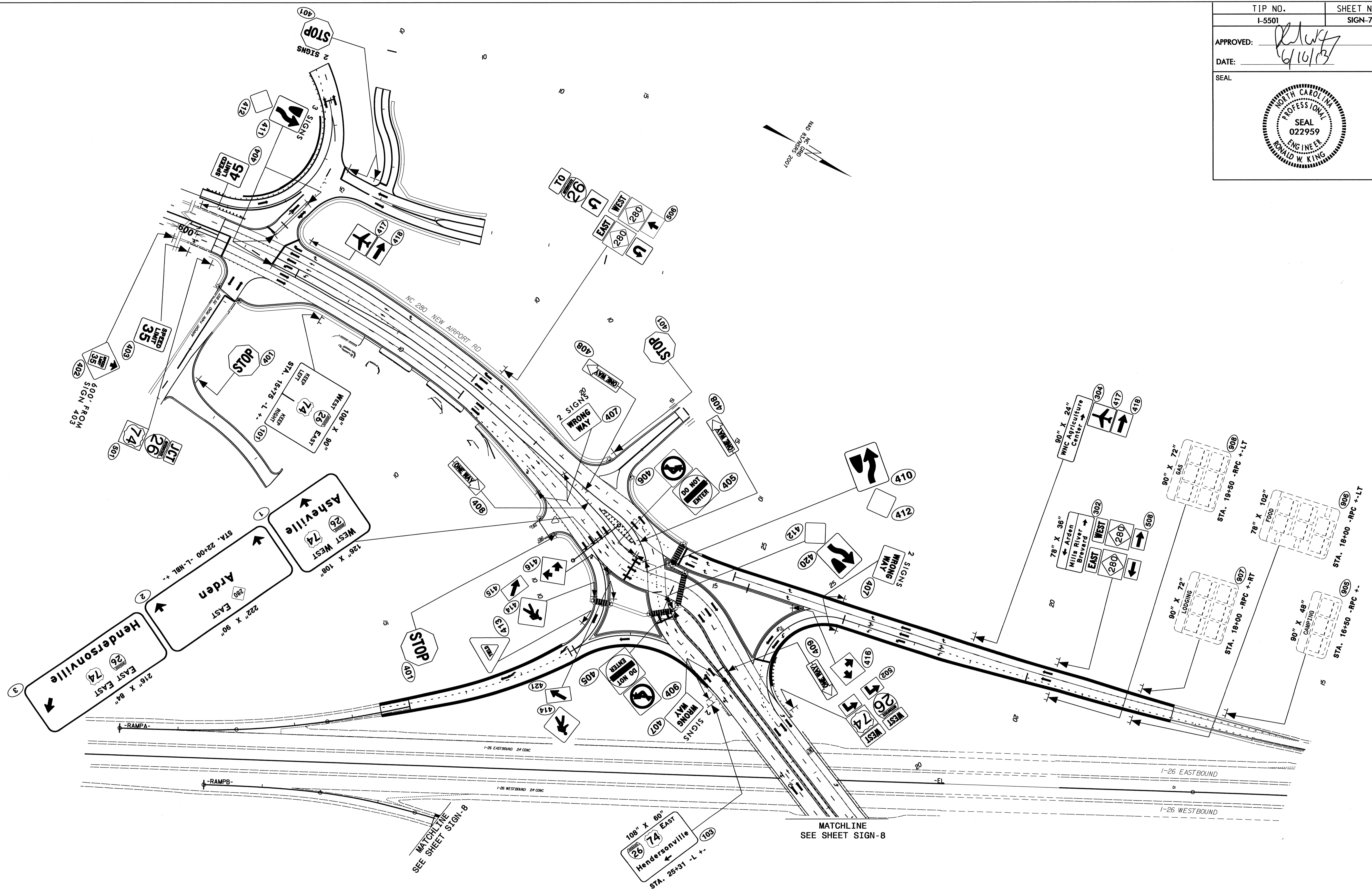
- 1 RELOCATE SIGN, TYPE A (GROUND MOUNTED)
- 2 DISPOSAL OF SUPPORT, STEEL BEAM
- 3 DISPOSAL OF SIGN SYSTEM, U-CHANNEL

* SEE NOTE 3

EXISTING SIGNS

04-JUN-2013 16:00
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 jgmar-tme2 - All - 1/24/7/9

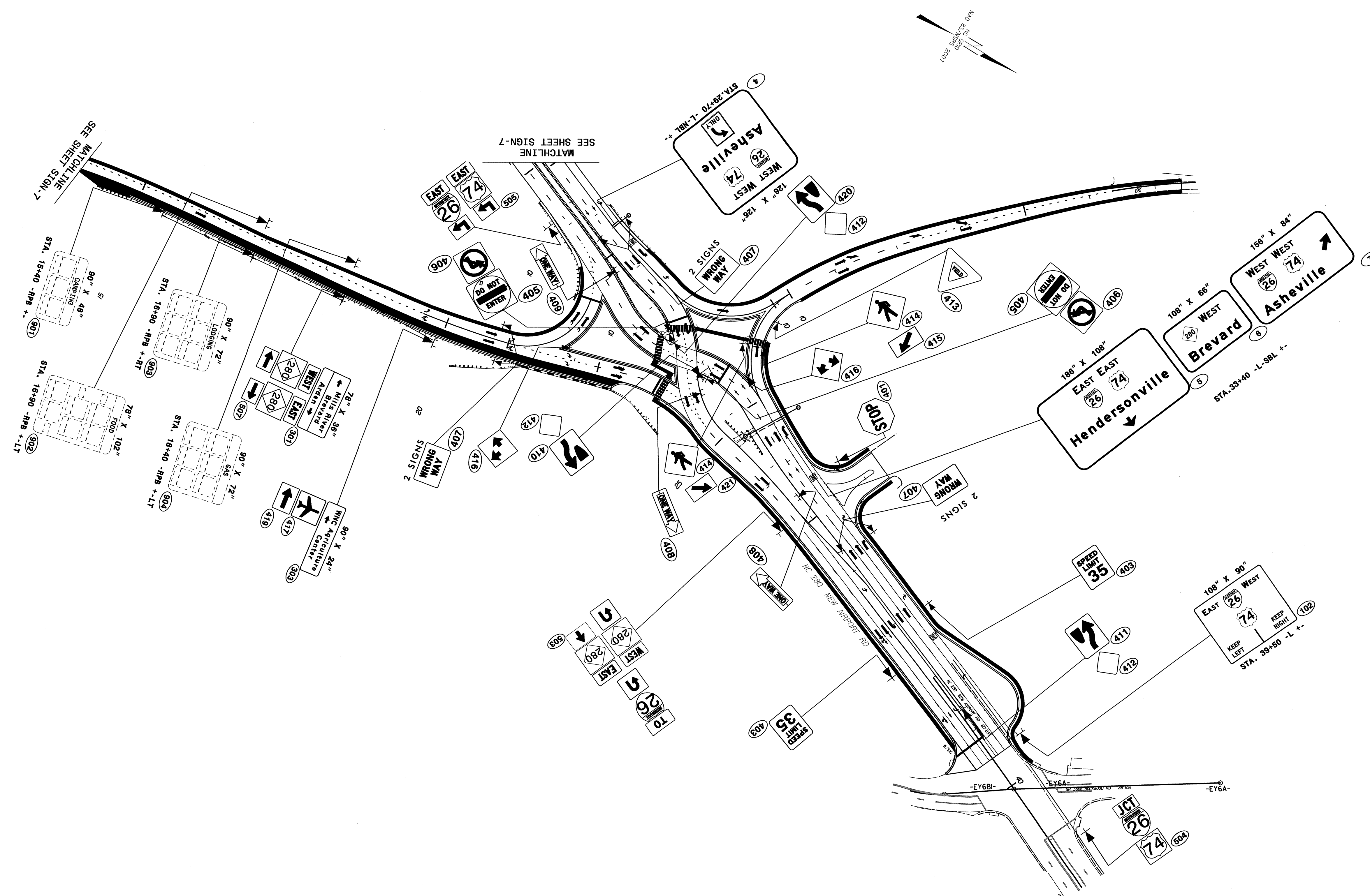
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APPROVED: <i>[Signature]</i>	
DATE: 6/16/13	
SEAL	



PROPOSED SIGNS

07-JUN-2013 15:43
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 Jgmarquez AI EC4779

TIP NO. I-5501	SHEET NO. SIGN-8
APPROVED: <i>[Signature]</i>	
DATE: 6/10/13	
SEAL	



07-JUN-2013 15:44
 P:\TIP\Projects\I-5501\Traffic\Signing\CA00\Signing Layout\Plans\I-5501-Sgn-SGN_08.dgn
 jmartinez AT TE247795

PROPOSED SIGNS