

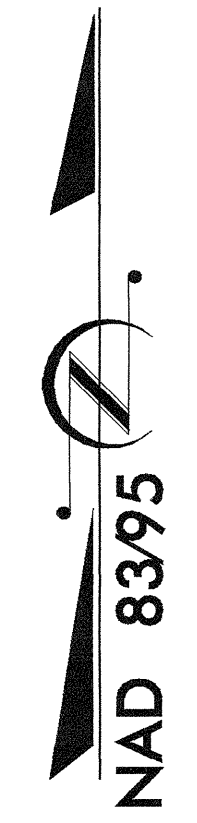
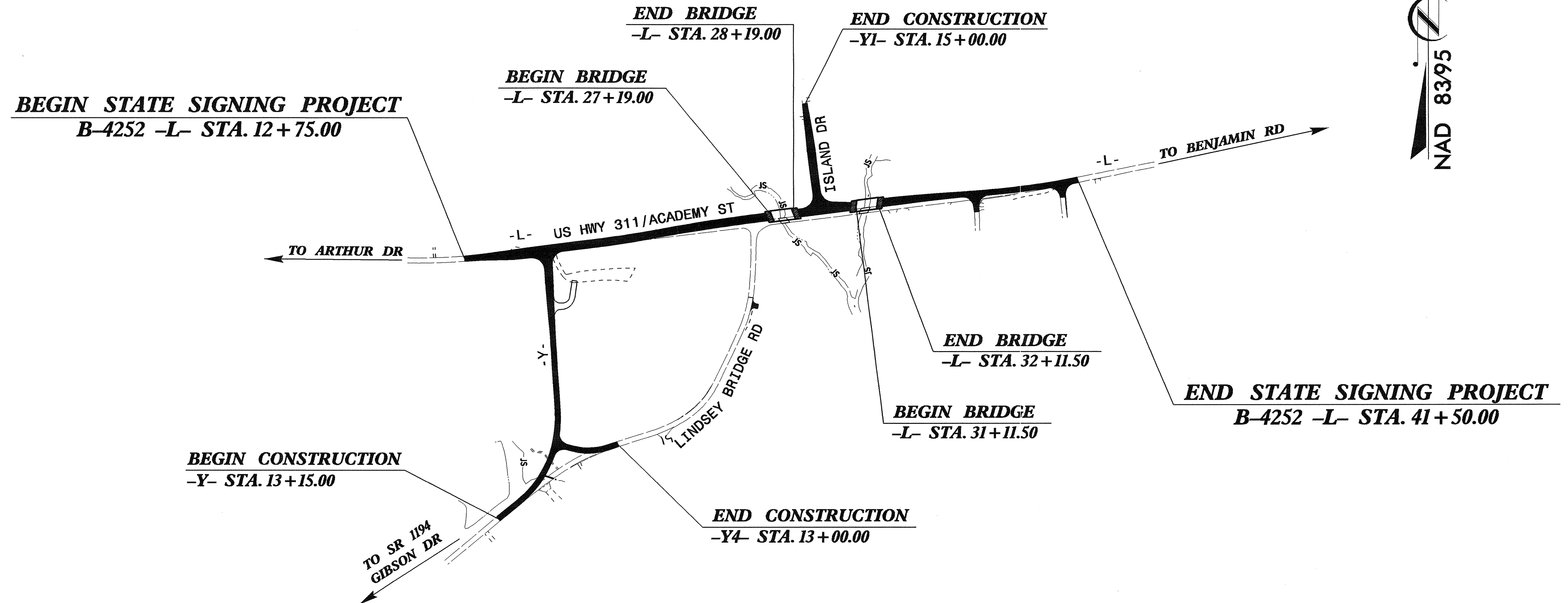
T.I.P.: B-4252

CONTRACT: C201855

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS
ROCKINGHAM COUNTY**

**LOCATION: BRIDGE NO. 95 OVER BIG BEAVER ISLAND CREEK ON US 311
AND BRIDGE NO. 67 OVER LITTLE BEAVER ISLAND CREEK ON US 311**



TIP NO. B-4252	SHEET NO. SIGN-1
APPROVED: <i>[Signature]</i>	
DATE: 3/4/08	
SEAL	

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	361	L.F.
4096000000	904	SIGN ERECTION, TYPE D	2	EA.
4102000000	904	SIGN ERECTION, TYPE E	15	EA.
4108000000	904	SIGN ERECTION, TYPE F	1	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	33	EA.


**ROADWAY STANDARD DRAWINGS
APPLICABLE TO THESE SIGNING PLANS
904.10 904.50**

INDEX

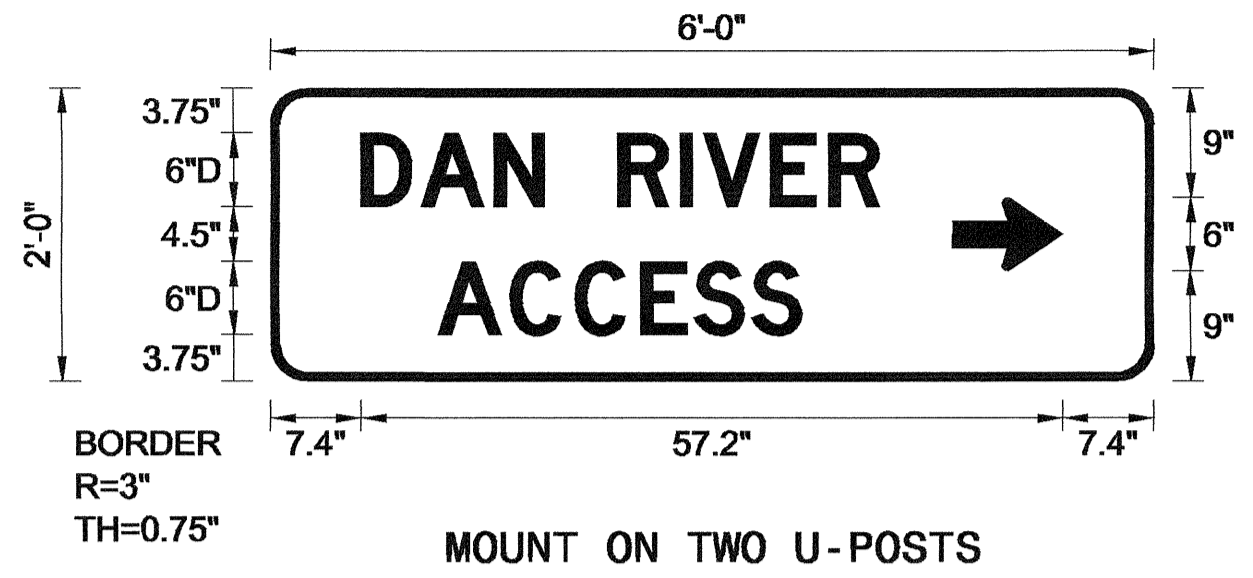
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPE "D" SIGNS
3	TYPE "E" & "F" SIGNS
4 - 7	EXISTING/PROPOSED ROADWAY

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

R. W. KING, PE	SIGNING ENGINEER
A. I. ALQUDWAH, PE	SIGNING PROJECT ENGINEER
D. M. EATON	SIGNING PROJECT DESIGN ENGINEER
R. R. HENNEIN	SIGNING DESIGNER

TIP NO. B-4252	SHEET NO. SIGN-2
APPROVED: <i>[Signature]</i>	
DATE: 3/4/08	
SEAL	
	

SIGN NUMBER: 301 TYPE: D QUANTITY: 1 SIGN WIDTH: 72" HEIGHT: 24" TOTAL AREA: 12.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADIUS: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Brown COPY COLOR: White SYMBOL X Y WID HT ARUP 55.6 9 6 9	DESIGN BY: R. HENNEIN PROJECT ID: B-4252	CHECKED BY: DIV: 7	DATE: Feb 20, 2008
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DAN RIVER ACCESS

MOUNT ON TWO U-POSTS

Spacing Factor Is Unless specified otherwise

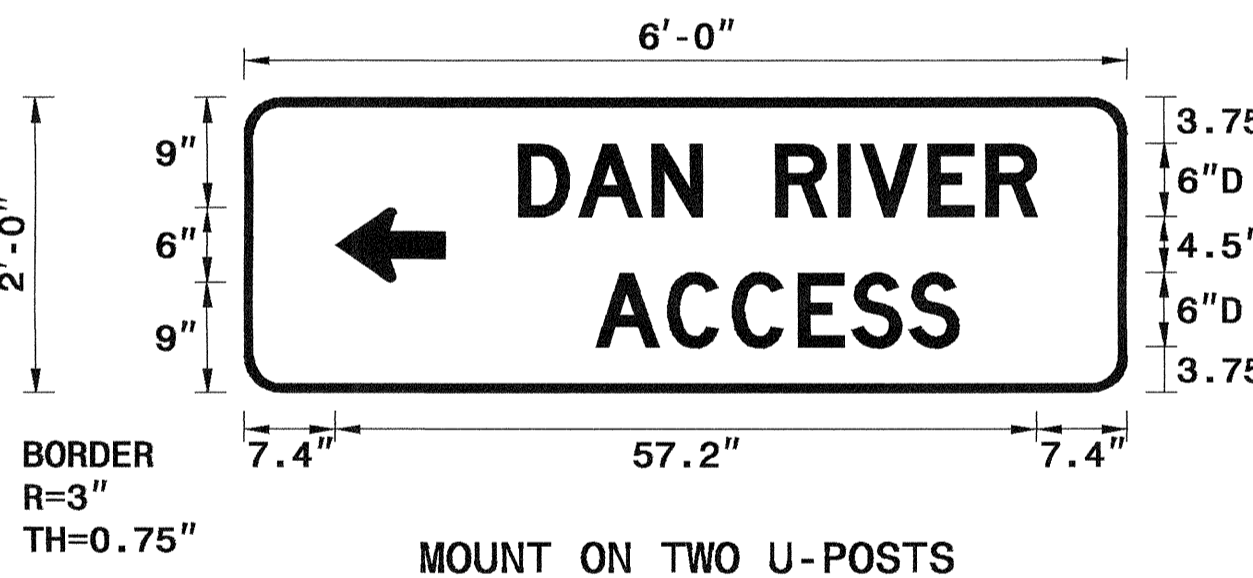
LETTER POSITIONS

Letter spacings are to start of next letter

	D	A	N	R	I	V	E	R											Series/Size Text Length
	7.4	4.9	6	4.1	6	5.1	1.9	5.5	4.7	4.1	22.4								D 2000 42.2
		A	C	C	E	S	S												D 2000 29.6
	13.7	5.9	5.3	5.4	4.3	4.7	4.1	28.7											

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

SIGN NUMBER: 302 TYPE: D QUANTITY: 1 SIGN WIDTH: 72" HEIGHT: 24" TOTAL AREA: 12.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADIUS: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Brown COPY COLOR: White SYMBOL X Y WID HT ARUP 7.4 9 6 9	DESIGN BY: R. HENNEIN PROJECT ID: B-4252	CHECKED BY: DIV: 7	DATE: Feb 20, 2008
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DAN RIVER ACCESS

MOUNT ON TWO U-POSTS

Spacing Factor Is Unless specified otherwise

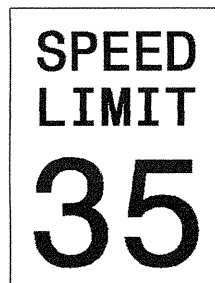
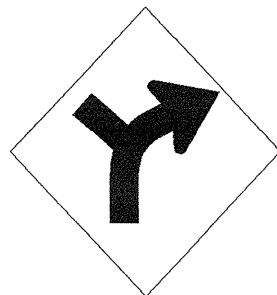
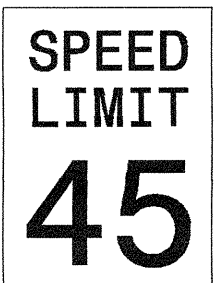



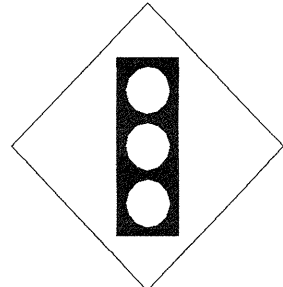
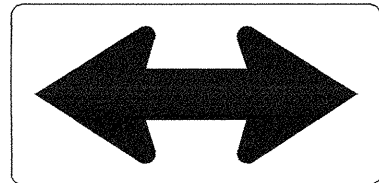

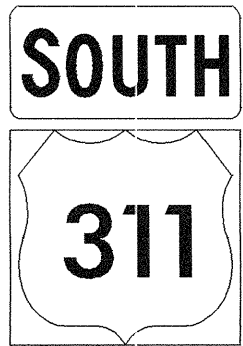

LETTER POSITIONS


Letter spacings are to start of next letter

	D	A	N	R	I	V	E	R											Series/Size Text Length
	22.4	4.9	6	4.1	6	5.1	1.9	5.5	4.7	4.1	7.4								D 2000 42.2
		A	C	C	E	S	S												D 2000 29.6
	28.7	5.9	5.3	5.4	4.3	4.7	4.1	13.7											

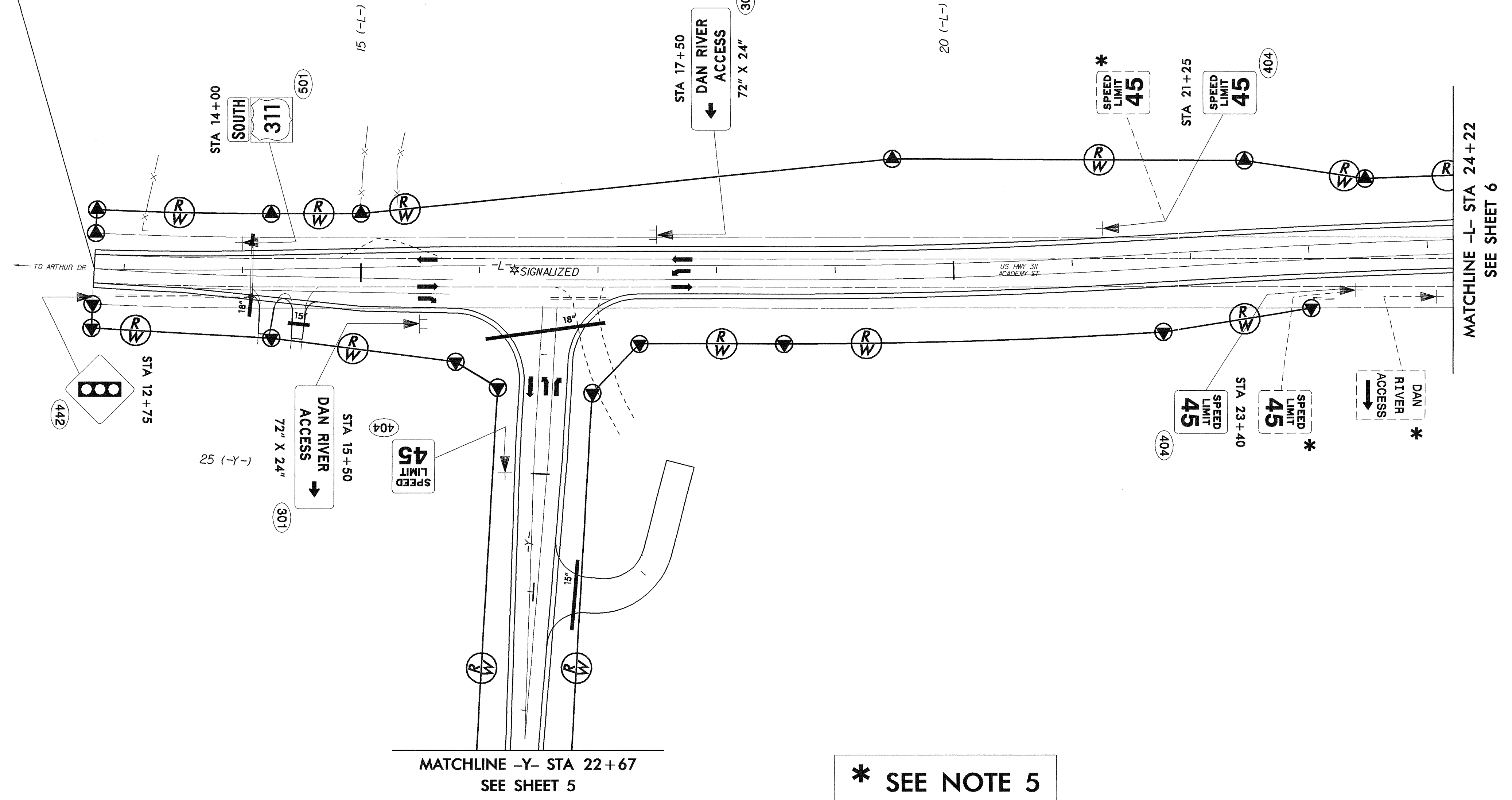
FILENAME: signdesign NORTH CAROLINA D.O.T. SIGN DETAIL

TYPE "D" SIGNS

		TIP NO. B-4252	SHEET NO. SIGN-3
<p>403 QUANTITY REQ'D <u>1</u></p>  <p>24 X 30 R2-1</p> <p>ONE "U" POST PER SIGN</p>	<p>448 QUANTITY REQ'D <u>1</u></p>  <p>30 X 30 W1-10R</p> <p>ONE "U" POST PER SIGN</p>		
<p>404 QUANTITY REQ'D <u>4</u></p>  <p>24 X 30 R2-1</p> <p>ONE "U" POST PER SIGN</p>	<p>457 QUANTITY REQ'D <u>1</u></p>  <p>36 X 36 W3-5</p> <p>ONE "U" POST PER SIGN</p>		
<p>408 QUANTITY REQ'D <u>3</u></p>  <p>30 X 30 R1-1</p> <p>ONE "U" POST PER SIGN</p>	<p>462 QUANTITY REQ'D <u>1</u></p>  <p>30 X 30 W14-2</p> <p>ONE "U" POST PER SIGN</p>		
<p>442 QUANTITY REQ'D <u>2</u></p>  <p>36 X 36 W3-3</p> <p>ONE "U" POST PER SIGN</p>	<p>465 QUANTITY REQ'D <u>1</u></p>  <p>48 X 24 W1-7</p> <p>TWO "U" POSTS PER SIGN</p>		
<p>447 QUANTITY REQ'D <u>1</u></p>  <p>30 X 30 W1-10L</p> <p>ONE "U" POST PER SIGN</p>			
			<p>501</p>  <p>1 - 24" X 12" 1 - 30" X 24"</p> <p>ONE "U" POST PER SIGN</p>
			<p>APPROVED: <i>[Signature]</i></p> <p>DATE: 3/4/08</p> <p>SEAL</p> 
			<p>TYPE "E" & "F" SIGNS</p>

TIP NO. B-4252	SHEET NO. SIGN-4
APPROVED: <i>[Signature]</i>	
DATE: 2/7/07	
SEAL	
	

BEGIN STATE SIGNING PROJECT
B-4252 -L- POC STA. 12+75.00




* SEE NOTE 5

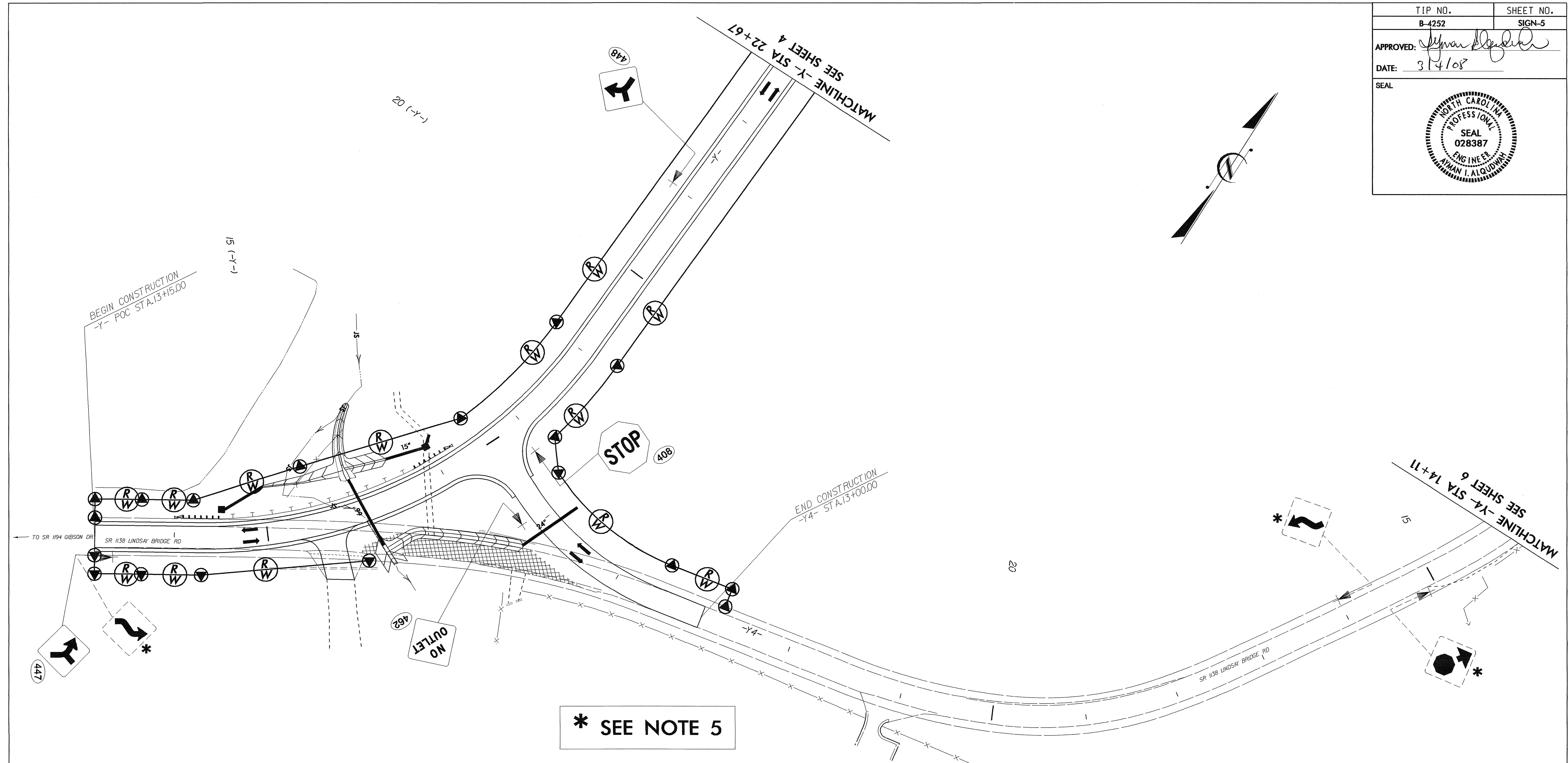
WARNING SIGNS PLACEMENT CHART

POSTED OR 85TH PERCENTILE SPEED MPH (KMH)	MUTCD DISTANCE FT (M)	SUGGESTED LOCATION FT (M)	SUGGESTED MAXIMUM FT (M)
30 (50)	450 (140)	475 (145)	575 (175)
35 (55)	550 (170)	575 (175)	675 (205)
40 (65)	650 (200)	675 (205)	775 (235)
45 (70)	750 (230)	775 (235)	875 (270)
50 (80)	850 (260)	875 (270)	975 (300)
55 (90)	950 (290)	975 (300)	1075 (330)
60 (95)	1100 (335)	1125 (345)	1225 (375)
65 (105)	1200 (365)	1225 (375)	1325 (405)
70 (115)	1250 (380)	1275 (390)	1375 (420)

1. SEE ROADWAY STANDARD NO. 904.50 FOR MOUNTING OF TYPE 'D', 'E', AND 'F' SIGNS ON 'U' CHANNEL POSTS.
2. SEE CHART FOR PLACEMENT OF WARNING SIGNS. DISTANCES SHOWN IN MINIMUM ROAD COLUMNS ARE FOR LEVEL ROADWAYS. MAKE CORRECTIONS FOR GRADES. IF 48-INCH (1219 MM) SIGNS ARE USED, THE LEGIBILITY DISTANCE MAY BE INCREASED TO 200 FEET (61 M). THIS WOULD ALLOW REDUCING THE CHART SPECIFIED DISTANCE BY 75 FEET (23 M).
3. IF THE BRIDGE IS OVER A MAJOR STREAM OR RIVER, A SIGN FOR THE NAME OF THE STREAM OR RIVER SHOULD BE INSTALLED AT EACH APPROACH. THESE DESIGNS WILL BE COMPLETED BY THE SIGNING SECTION UPON REQUEST.
4. SIGNS FURNISHED BY STATE. BACKGROUND SHEETING SHALL BE GRADE C REFLECTIVE SHEETING.
5. DISPOSAL OF SIGN SYSTEM, U-CHANNEL.
6. SIGN ERECTION, RELOCATE SIGN TYPE D, E, OR F.
7. DISPOSAL OF SIGN SYSTEM, WOOD.
8. DISPOSAL OF SIGN, D, E, OR F.
9. DISPOSAL OF SUPPORT, U-CHANNEL.

STA 12+75 TO 24+22
US 311
EXISTING/PROPOSED ROADWAY

TIP NO. B-4252	SHEET NO. SIGN-5
APPROVED: <i>[Signature]</i>	
DATE: 3/4/08	
SEAL	
	



* SEE NOTE 5

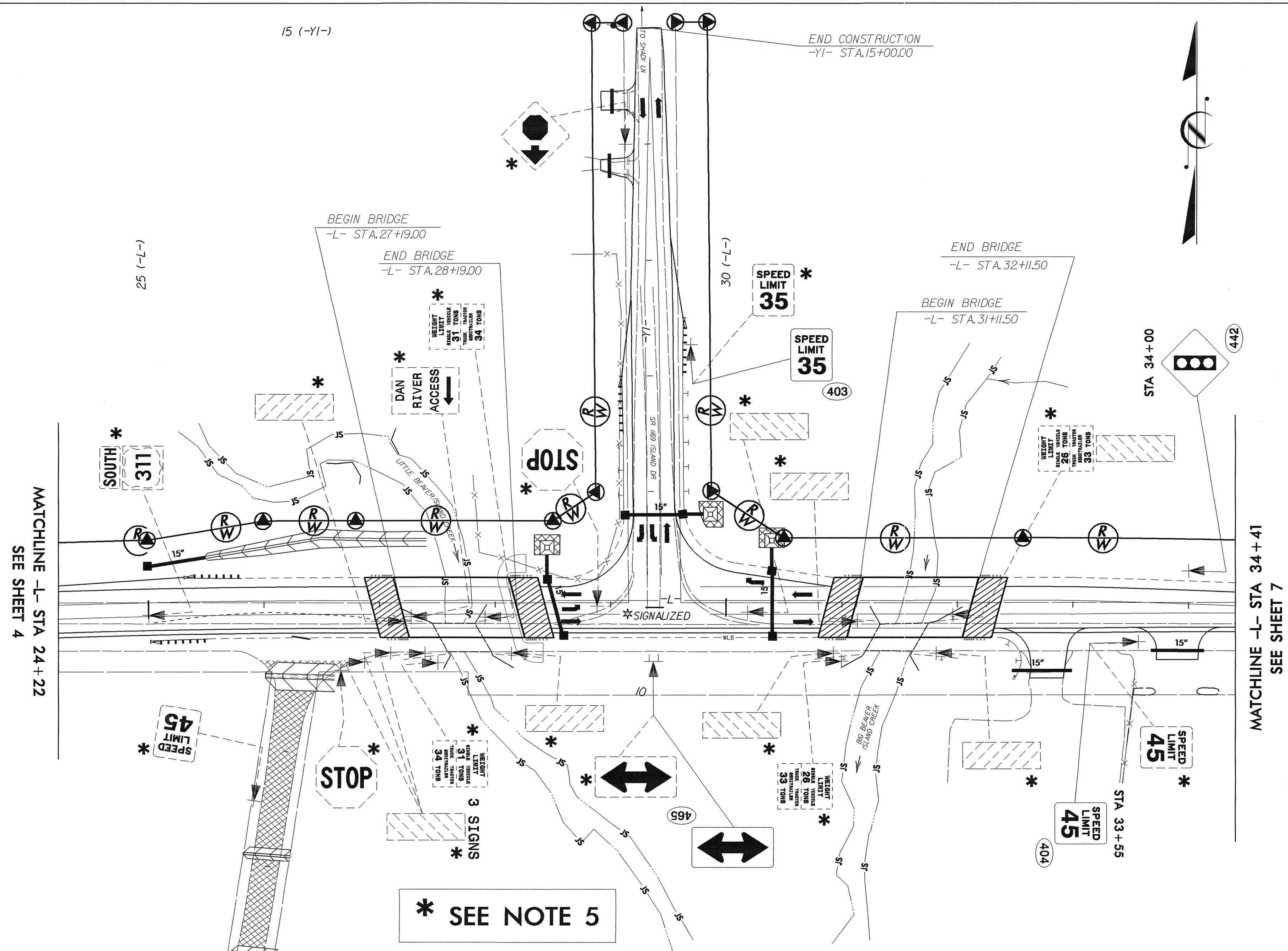
WARNING SIGNS PLACEMENT CHART

POSTED OR 85TH PERCENTILE SPEED MPH (KMH)	MUTCD DISTANCE FT (M)	SUGGESTED LOCATION FT (M)	SUGGESTED MAXIMUM FT (M)
30 (50)	450 (140)	475 (145)	575 (175)
35 (55)	550 (170)	575 (175)	675 (205)
40 (65)	650 (200)	675 (205)	775 (235)
45 (70)	750 (230)	775 (235)	875 (270)
50 (80)	850 (260)	875 (270)	975 (300)
55 (90)	950 (290)	975 (300)	1075 (330)
60 (95)	1100 (335)	1125 (345)	1225 (375)
65 (105)	1200 (365)	1225 (375)	1325 (405)
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3. IF THE BRIDGE IS OVER A MAJOR STREAM OR RIVER, A SIGN FOR THE NAME OF THE STREAM OR RIVER SHOULD BE INSTALLED AT EACH APPROACH. THESE DESIGNS WILL BE COMPLETED BY THE SIGNING SECTION UPON REQUEST.
4. SIGNS FURNISHED BY STATE. BACKGROUND SHEETING SHALL BE GRADE C REFLECTIVE SHEETING.
5. DISPOSAL OF SIGN SYSTEM, U-CHANNEL.
6. SIGN ERECTION, RELOCATE SIGN TYPE D, E, OR F.
7. DISPOSAL OF SIGN SYSTEM, WOOD.
8. DISPOSAL OF SIGN, D, E, OR F.
9. DISPOSAL OF SUPPORT, U-CHANNEL.

STA 13+15 -Y- TO 22+67 -Y-
SR 1138/LINDSAY BRIDGE RD.
EXISTING/PROPOSED ROADWAY

TIP NO. B-4252	SHEET NO. SIGN-6
APPROVED: <i>[Signature]</i>	
DATE: 3/4/08	
SEAL	



*** SEE NOTE 5**


WARNING SIGNS PLACEMENT CHART

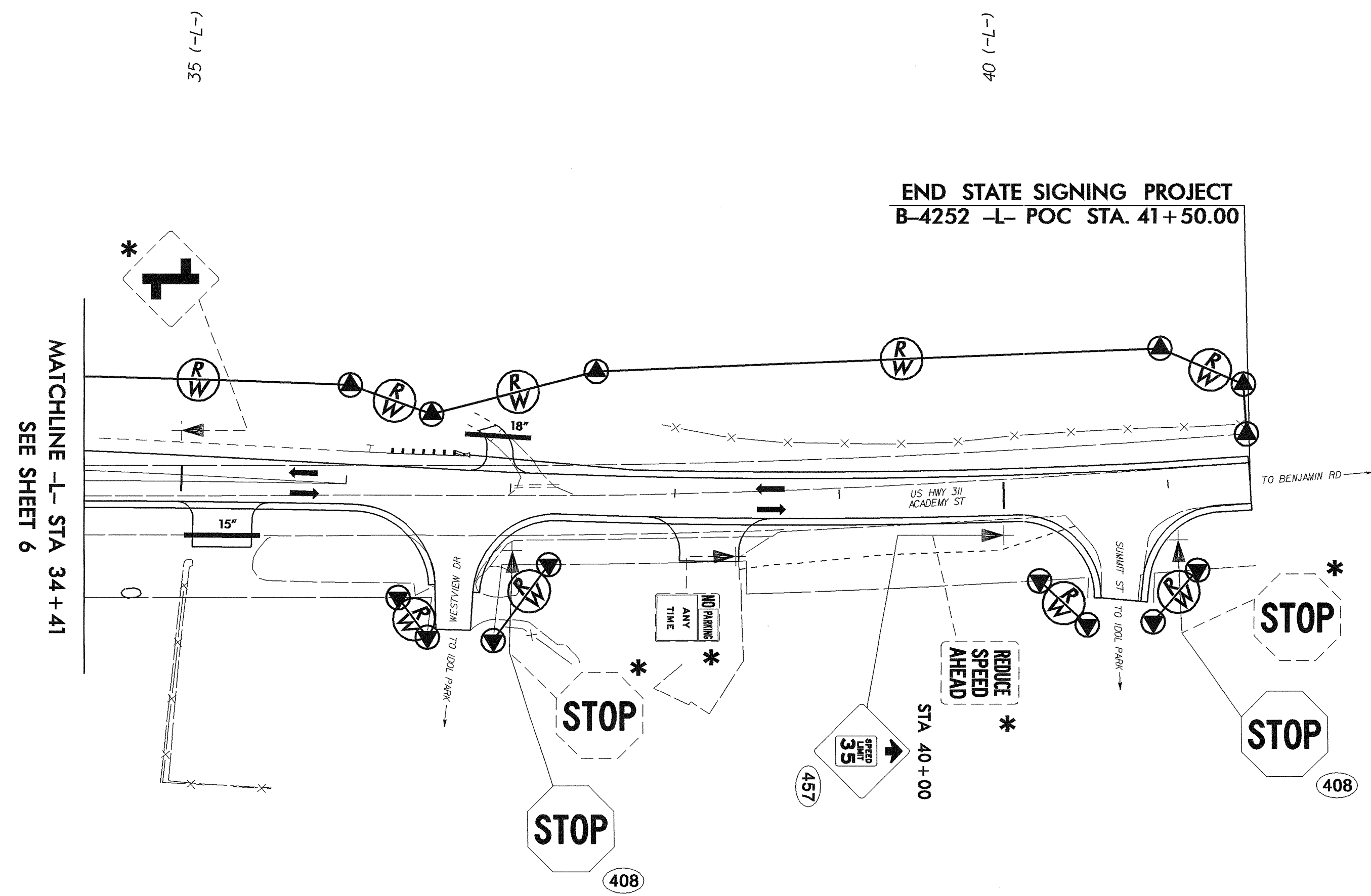
POSTED OR 85TH PERCENTILE SPEED MPH (KMH)	MUTCD DISTANCE FT (M)	SUGGESTED LOCATION FT (M)	SUGGESTED MAXIMUM FT (M)
30 (50)	450 (140)	475 (145)	575 (175)
35 (55)	550 (170)	575 (175)	675 (205)
40 (65)	650 (200)	675 (205)	775 (235)
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55 (90)	950 (290)	975 (300)	1075 (330)
60 (95)	1100 (335)	1125 (345)	1225 (375)
65 (105)	1200 (365)	1225 (375)	1325 (405)
70 (115)	1250 (380)	1275 (390)	1375 (420)

MATCHLINE -Y4- STA 14+11
SEE SHEET 5

1. SEE ROADWAY STANDARD NO. 904.50 FOR MOUNTING OF TYPE 'D', 'E', AND 'F' SIGNS ON 'U' CHANNEL POSTS.
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5. DISPOSAL OF SIGN SYSTEM, U-CHANNEL.
6. SIGN ERECTION, RELOCATE SIGN TYPE D, E, OR F.
7. DISPOSAL OF SIGN SYSTEM, WOOD.
8. DISPOSAL OF SIGN, D, E, OR F.
9. DISPOSAL OF SUPPORT, U-CHANNEL.

STA 24+22 TO 34+41
US 311
EXISTING/PROPOSED ROADWAY

TIP NO. B-4252	SHEET NO. SIGN-7
APPROVED: <i>[Signature]</i>	
DATE: 3/4/08	
SEAL	
	



* SEE NOTE 5

WARNING SIGNS PLACEMENT CHART

POSTED OR 85TH PERCENTILE SPEED MPH (KMH)	MUTCD DISTANCE FT (M)	SUGGESTED LOCATION FT (M)	SUGGESTED MAXIMUM FT (M)
30 (50)	450 (140)	475 (145)	575 (175)
35 (55)	550 (170)	575 (175)	675 (205)
40 (65)	650 (200)	675 (205)	775 (235)
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6. SIGN ERECTION, RELOCATE SIGN TYPE D, E, OR F.
7. DISPOSAL OF SIGN SYSTEM, WOOD.
8. DISPOSAL OF SIGN, D, E, OR F.
9. DISPOSAL OF SUPPORT, U-CHANNEL.

STA 34+41 TO 41+50
 US 311
 EXISTING/PROPOSED ROADWAY