


**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

TIP NO. U-3812	SHEET NO. SIGN-1
APPROVED: <i>[Signature]</i>	
DATE: 8/22/11	
SEAL	
	

**SIGNING PLAN  
ASHE COUNTY**

**LOCATION: NC 88 (WEST MAIN ST.) FROM NC 194  
TO US 221 BUSINESS (SOUTH MAIN ST.)**

**T.I.P.: U-3812**

**CONTRACT: C202744**

**ROADWAY STANDARD DRAWING**

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

STD. NO.	TITLE
901.50	ARROWS AND SHIELDS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

**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.

**SUMMARY OF QUANTITIES**

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	901	L.F.
4096000000	904	SIGN ERECTION, TYPE D	4	EA.
4102000000	904	SIGN ERECTION, TYPE E	22	EA.
4108000000	904	SIGN ERECTION, TYPE F	11	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	39	EA.
4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD	15	EA.

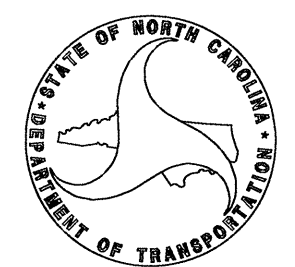
**INDEX**

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	E AND F SHEET
SIGN-3	SIGN DESIGNS
SIGN-4-10	SIGN DETAIL SHEETS

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

Kelvin Jordan SIGNING & DELINEATION REGIONAL ENGINEER

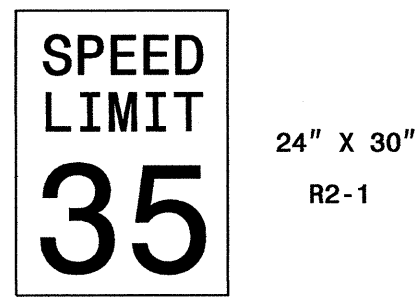
Walter Johnson SIGNING & DELINEATION PROJECT DESIGN ENGINEER



I6-AUG-2011 08:35 P:\TIP-projects-U\3812\TIP\c\Signing\CADD\Signing Layout Plans\Engseed.dgn Walter Johnson AT 1E24/518

3-Way Check *[Signature]* JW DMB

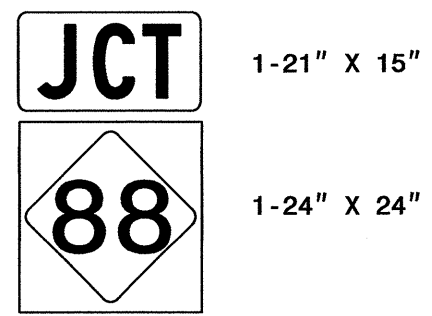
401 QUANTITY REQ'D 5



ONE "U" POST PER SIGN

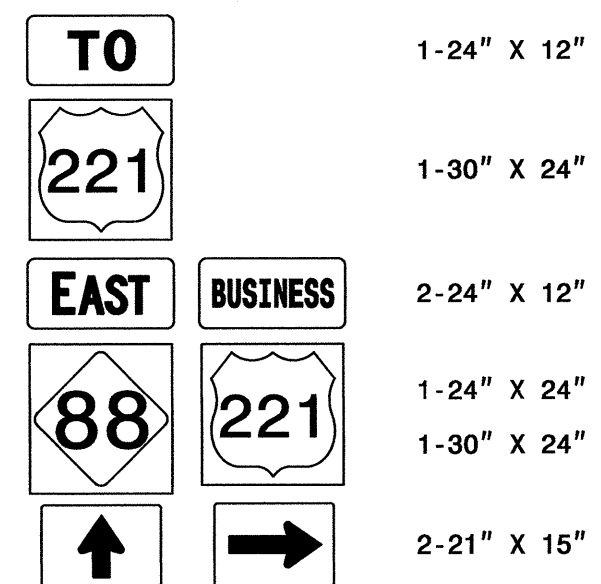
505

508



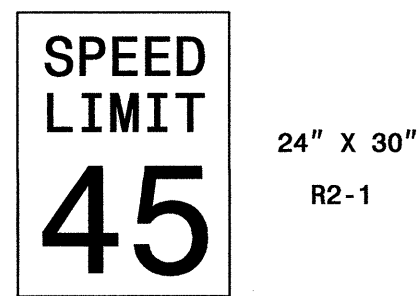
ONE "U" POST

511



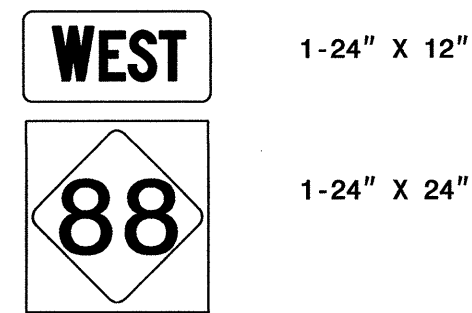
TWO "U" POSTS

402 QUANTITY REQ'D 4



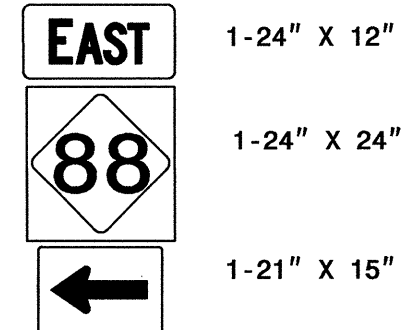
ONE "U" POST PER SIGN

501



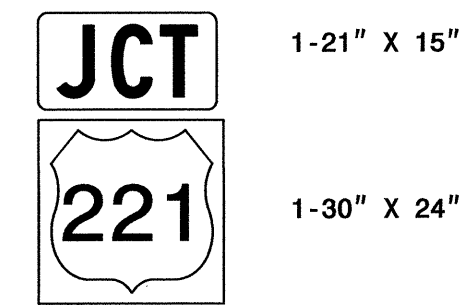
ONE "U" POST

506



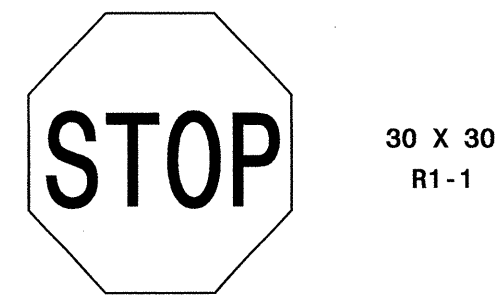
TWO "U" POSTS

512



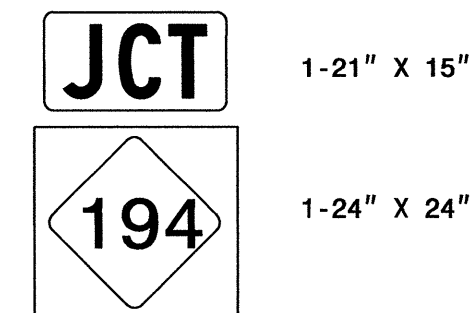
ONE "U" POST

403 QUANTITY REQ'D 7



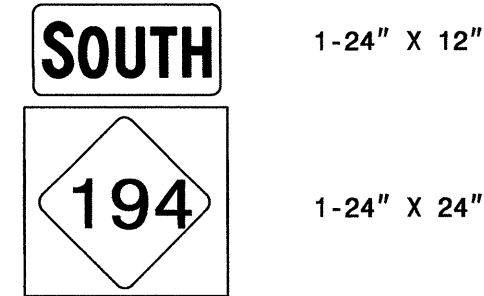
ONE "U" POST PER SIGN

502



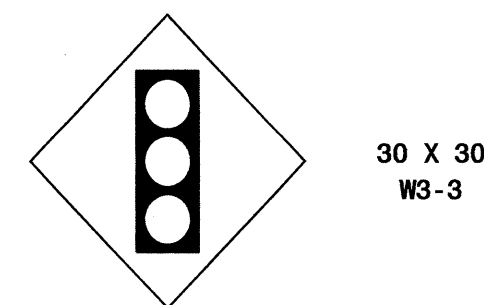
ONE "U" POST

507



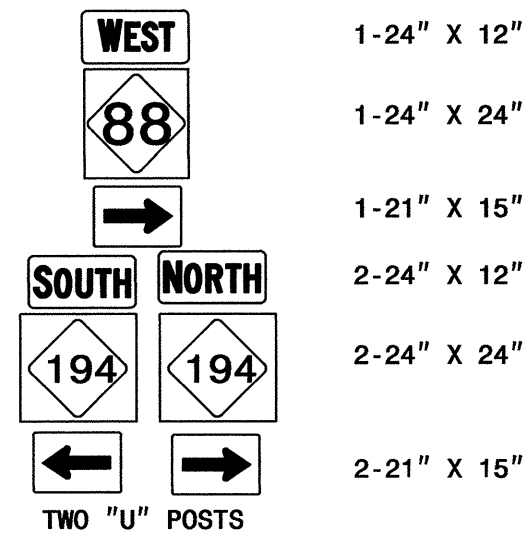
ONE "U" POST

404 QUANTITY REQ'D 3



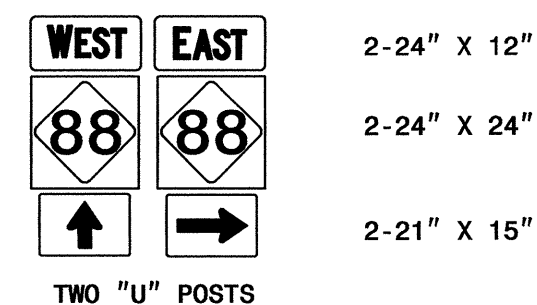
ONE "U" POST PER SIGN

503



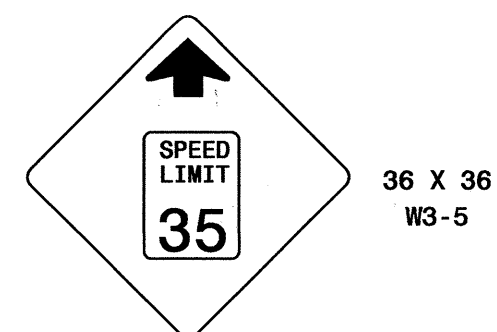
TWO "U" POSTS

509



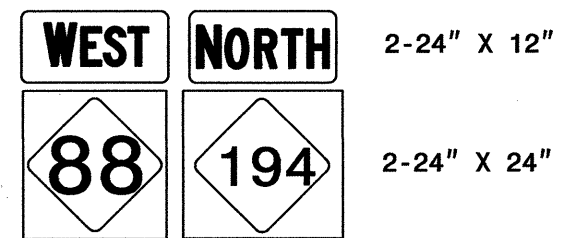
TWO "U" POSTS

405 QUANTITY REQ'D 1



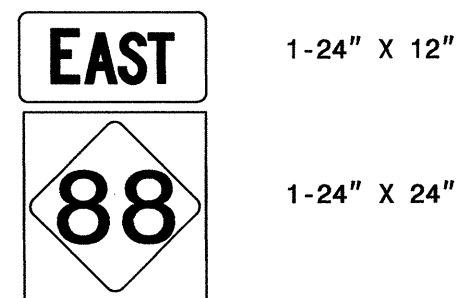
ONE "U" POSTS PER SIGN

504



TWO "U" POSTS

510



ONE "U" POST

TYPE "E" & "F" SIGNS

I5-AUG-2011 15:11 P:\IP\Projects-U\30812\17815\Signing\CADD\Signing Layout Plans\Engseed.dgn walter.johnson AT 12/17/11

TIP NO. U-3812	SHEET NO. SIGN-3
APPROVED: <i>[Signature]</i>	
DATE: 8/22/11	

SIGN NUMBER: 301  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 4'-6"  
HEIGHT: 2'-0"  
TOTAL AREA: 9.0 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADIUS: 3"  
NO. Z BARS: LENGTH:

BACKG COLOR: Green  
COPY COLOR: White

SYMBOL	X	Y	WID	HT

DESIGN BY: W. Johnson  
PROJECT ID: U-3812  
CHECKED BY: DIV: 11  
DATE: May 24, 2011

BORDER R=3" TH=0.75"

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Letter	J	e	f	f	e	r	s	o	n	Series/Size	
Text Length										EM 2000	
	5.2	11.2	16.4	20.2	24.1	29.9	33.7	38.9	44.9	43.7	
Letter	C	I	T	Y	L	I	M	I	T	Series/Size	
Text Length										D 2000	
	13.3	16.9	18.1	20.8	24.3	28.3	31.3	32.9	37	38.3	27.5

FILENAME: Signs Design NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 6'-0"  
HEIGHT: 2'-6"  
TOTAL AREA: 15.0 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADIUS: 3"  
NO. Z BARS: LENGTH:

BACKG COLOR: Green/Green  
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	11.8	17.1	6	9
ARUP	56.3	3.9	6	9

DESIGN BY: W. Johnson  
PROJECT ID: U-3812  
CHECKED BY: DIV: 11  
DATE: Jul 25, 2011

BORDER R=3" TH=0.75"

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	L	a	n	s	i	n	g	Series/Size				
Text Length								EM 2000				
	23.8	5.2	6.4	5.7	5.8	3.6	5.8	4	11.8	36.5		
Letter	J	e	f	f	e	r	s	o	n	Series/Size		
Text Length										EM 2000		
	6.7	6.1	5.2	3.8	3.8	5.8	3.8	5.3	5.9	4	21.7	43.7

FILENAME: Signs Design NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 303  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 8'-0"  
HEIGHT: 2'-6"  
TOTAL AREA: 20.0 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADIUS: 3"  
NO. Z BARS: LENGTH:

BACKG COLOR: Green/Green  
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	5.3	19.3	6	9
ARUP	64.7	4.7	6	9

DESIGN BY: W. Johnson  
PROJECT ID: U-3812  
CHECKED BY: DIV: 11  
DATE: Jul 25, 2011

BORDER R=3" TH=0.75"

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	W	e	s	t	J	e	f	f	e	r	s	o	n	Series/Size			
Text Length														EM 2000			
	20.3	7.3	5.2	5.2	3.1	6	6.1	5.2	3.8	3.8	5.8	3.8	5.3	5.9	4	5.3	70.4
Letter	L	a	n	s	i	n	g	Series/Size									
Text Length								EM 2000									
	22.3	5.2	6.4	5.7	5.8	3.6	5.8	4	37.3	36.5							

FILENAME: Signs Design NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 304  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 8'-0"  
HEIGHT: 2'-6"  
TOTAL AREA: 20.0 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADIUS: 3"  
NO. Z BARS: LENGTH:

BACKG COLOR: Green/Green  
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	6.8	17.1	6	9
ARUP	18.7	3.9	6	9

DESIGN BY: W. Johnson  
PROJECT ID: U-3812  
CHECKED BY: DIV: 11  
DATE: Jul 25, 2011

BORDER R=3" TH=0.75"

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

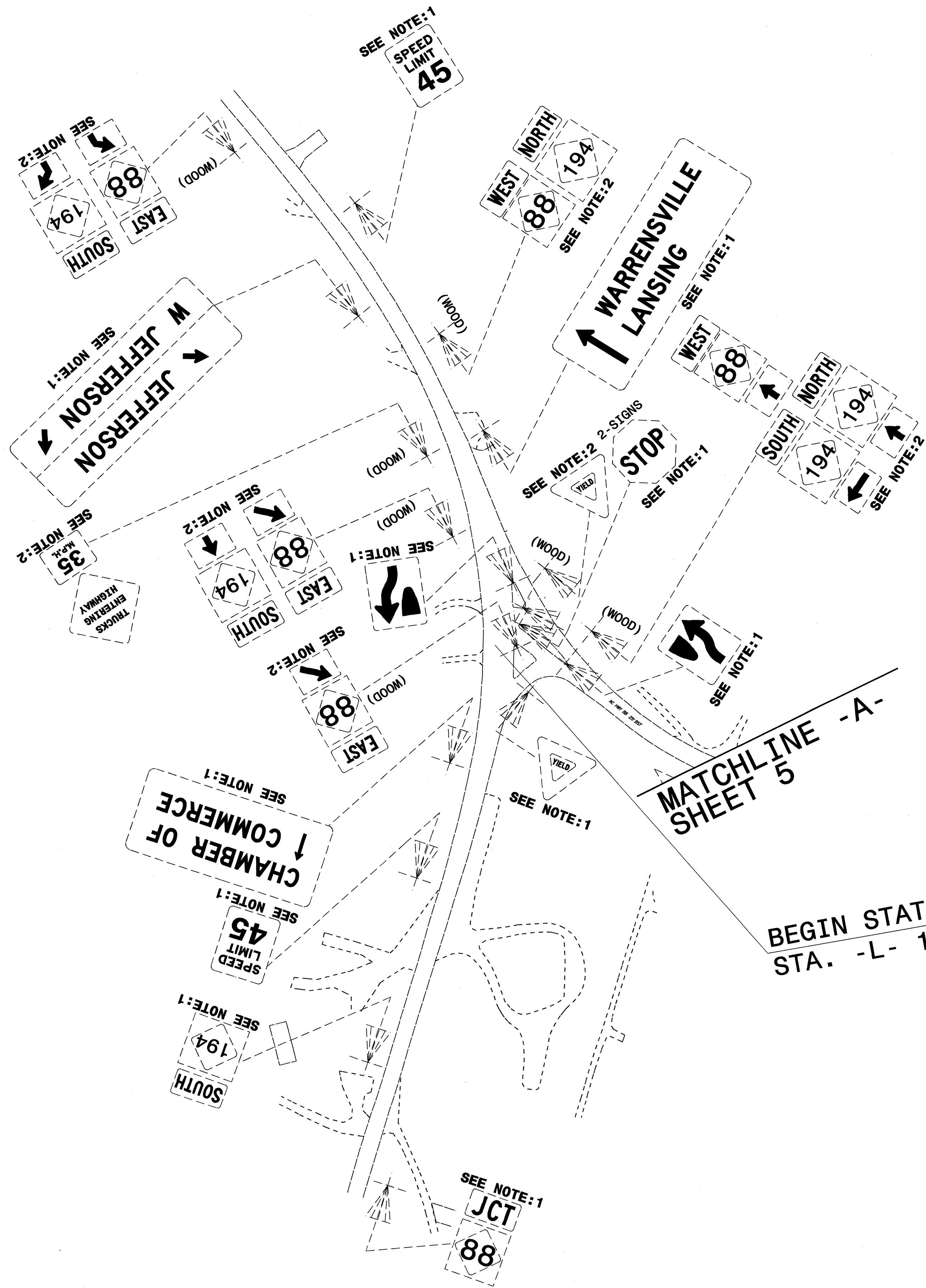
Letter	W	e	s	t	J	e	f	f	e	r	s	o	n	Series/Size			
Text Length														EM 2000			
	18.8	7.3	5.2	5.2	3.1	6	6.1	5.2	3.8	3.8	5.8	3.8	5.3	5.9	4	6.8	70.4
Letter	J	e	f	f	e	r	s	o	n	Series/Size							
Text Length										EM 2000							
	33.7	6.1	5.2	3.8	3.8	5.8	3.8	5.3	5.9	4	18.7	43.7					

FILENAME: Signs Design NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN DESIGNS

I5-AUG-2011 13:30 P:\IPF-Projects-U\3812\1761\Signing\CADD\Signing\_Layout\_Plans\Engseed.dgn AT 12:47:51 W. Johnson

TIP NO. U-3812	SHEET NO. SIGN-4
APPROVED: <i>[Signature]</i>	
DATE: 8/22/11	
SEAL	



BEGIN STATE SIGNING PROJECT U-3812  
 STA. -L- 10+00/-Y- 14+12


MATCHLINE -A-  
 SHEET 5

**PROJECT NOTES**

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SIGN SYSTEM, WOOD

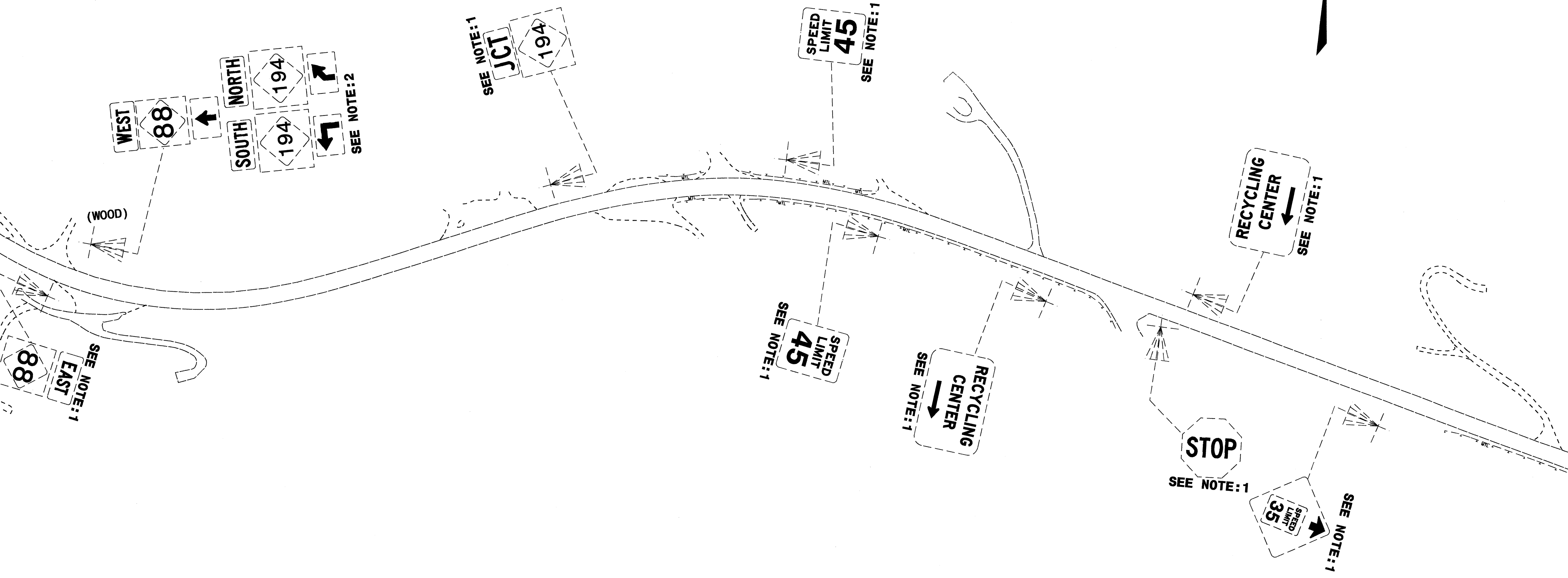
**EXISTING SIGNS**

15-AUG-2011 13:22  
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 walterjohnson AT 1E247518

TIP NO. U-3812	SHEET NO. SIGN-5
APPROVED: <i>[Signature]</i>	
DATE: 8/22/11	
SEAL	
	

MATCHLINE - A -  
SHEET 4

MATCHLINE - B -  
SHEET 6




**PROJECT NOTES**

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SIGN SYSTEM, WOOD

**EXISTING SIGNS**

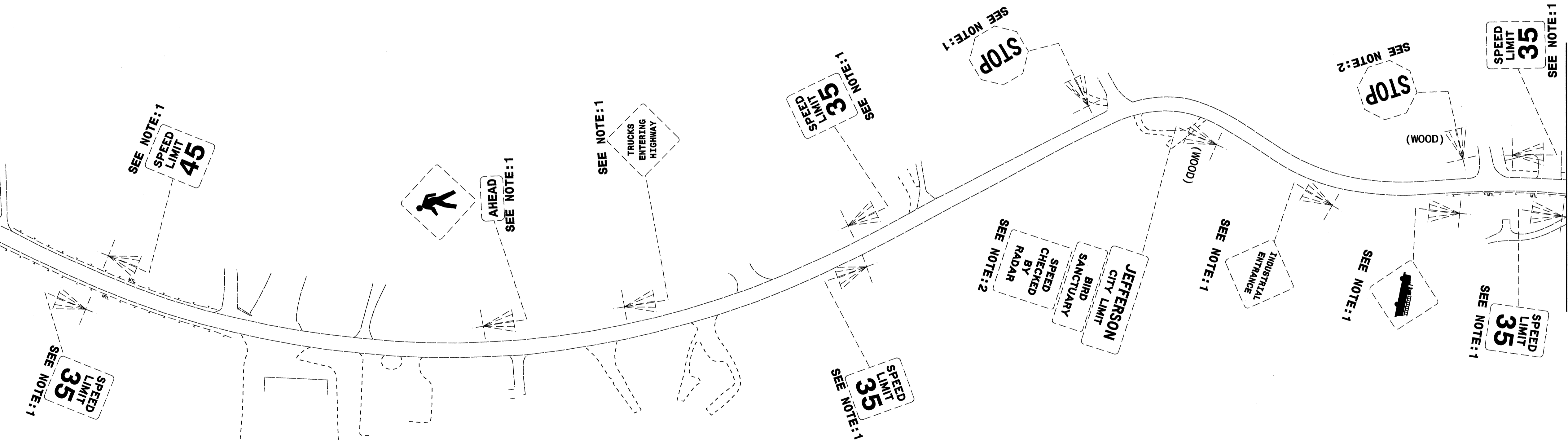
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 walter.johnson AT 1E247518

TIP NO. U-3812	SHEET NO. SIGN-6
APPROVED: <i>RW</i>	
DATE: 8/22/11	
SEAL	
	



MATCHLINE - B -  
SHEET 5

MATCHLINE - C -  
SHEET 7




**PROJECT NOTES**

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SIGN SYSTEM, WOOD

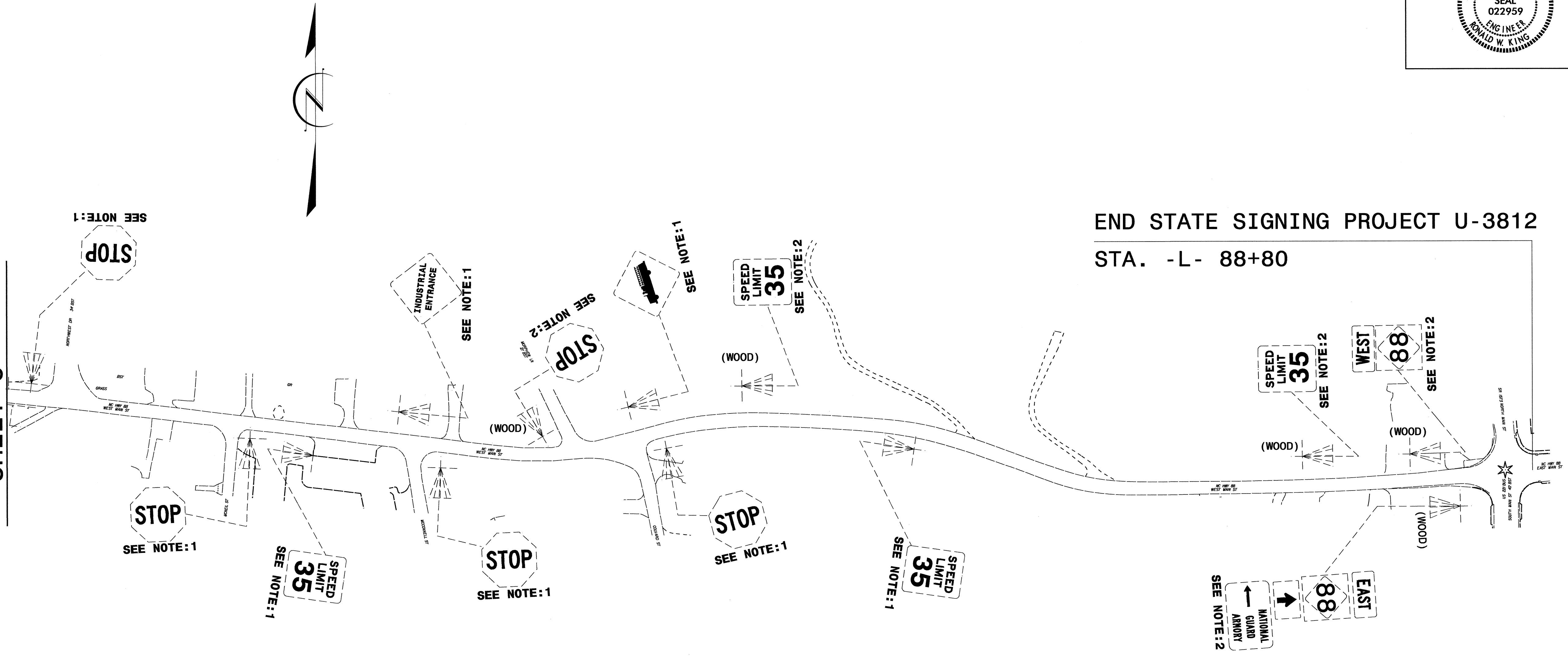
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 walter.johnson AT 12/17/11

TIP NO. U-3812	SHEET NO. SIGN-7
APPROVED: <i>RWF</i>	
DATE: 8/22/11	
SEAL	
	

END STATE SIGNING PROJECT U-3812  
STA. -L- 88+80

MATCHLINE -C-  
SHEET 6



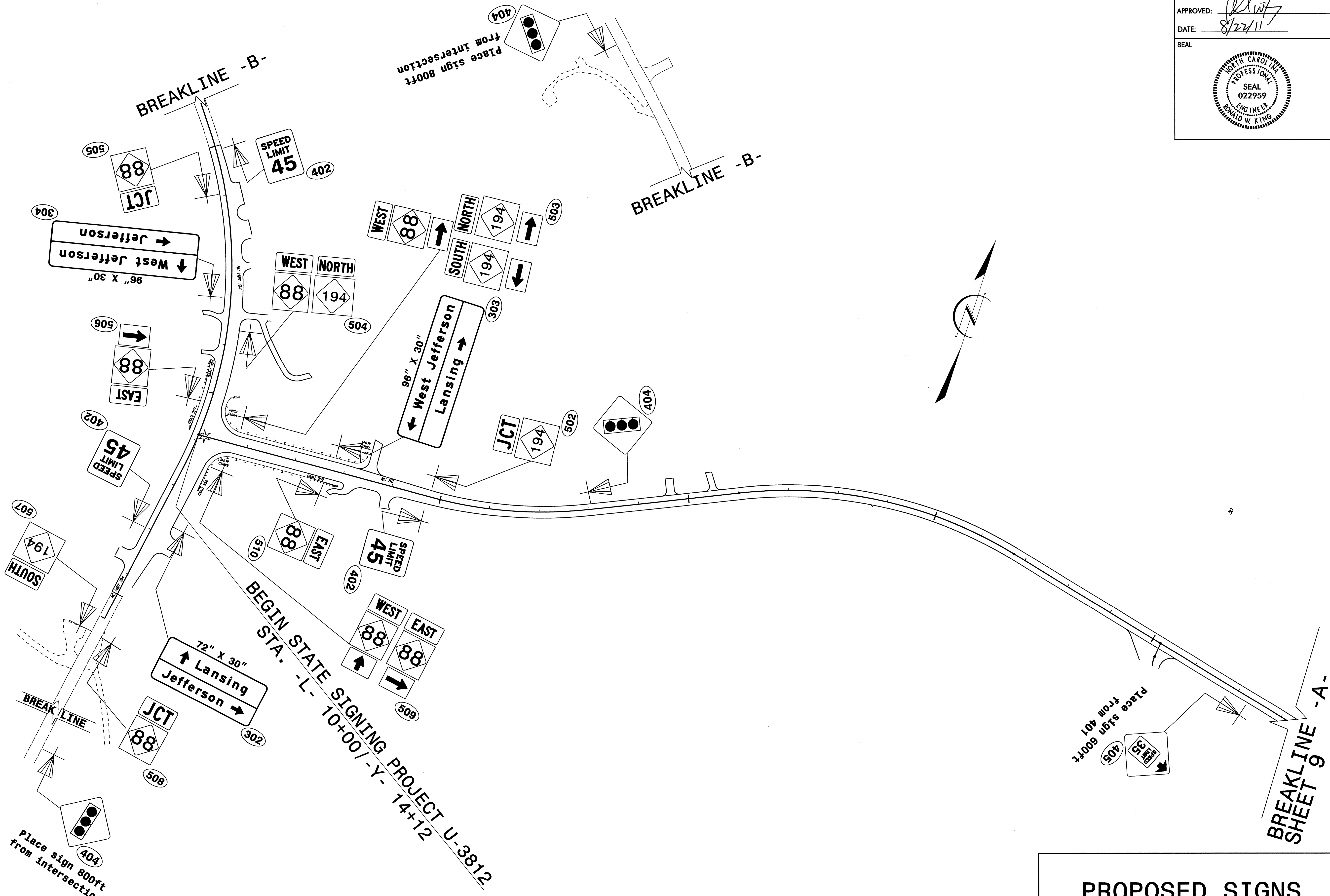
**PROJECT NOTES**

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SIGN SYSTEM, WOOD

**EXISTING SIGNS**

I5-AUG-2011 13:24  
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 wsl\erjohnson AT 11/22/11

TIP NO. U-3812	SHEET NO. SIGN-8
APPROVED: <i>[Signature]</i>	
DATE: 8/22/11	
SEAL	



PROPOSED SIGNS

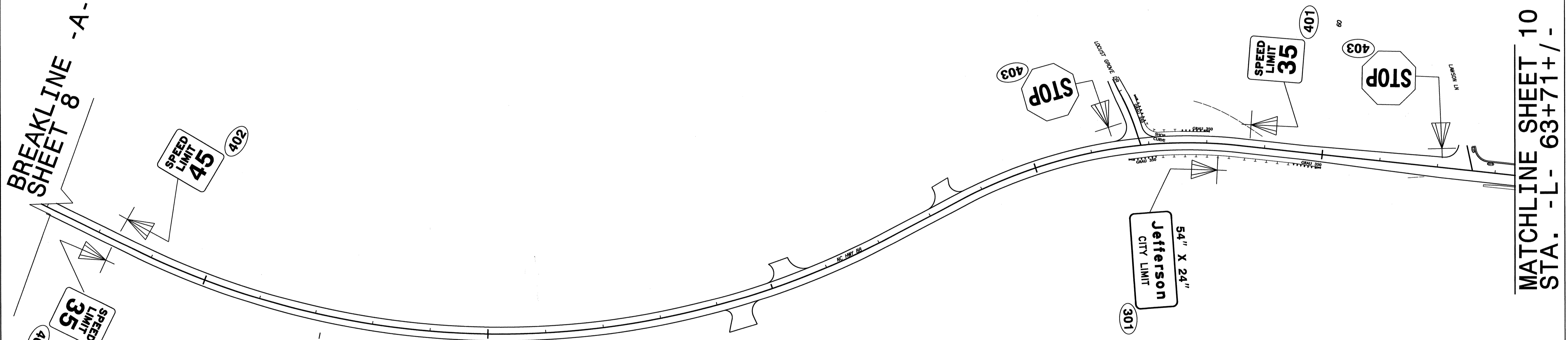
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 walter.johnson AT 11/27/11



TIP NO. U-3812	SHEET NO. SIGN-9
APPROVED: <i>RW7</i>	
DATE: 8/22/11	
SEAL	



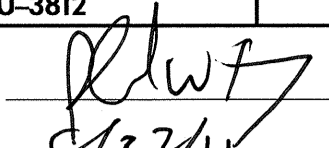
BREAKLINE SHEET 8 -A-



MATCHLINE SHEET 10  
STA. -L- 63+71+/-

PROPOSED SIGNS

I5-AUG-2011 13:25  
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 AT 11:27:31B  
 wsl,ver,johnson

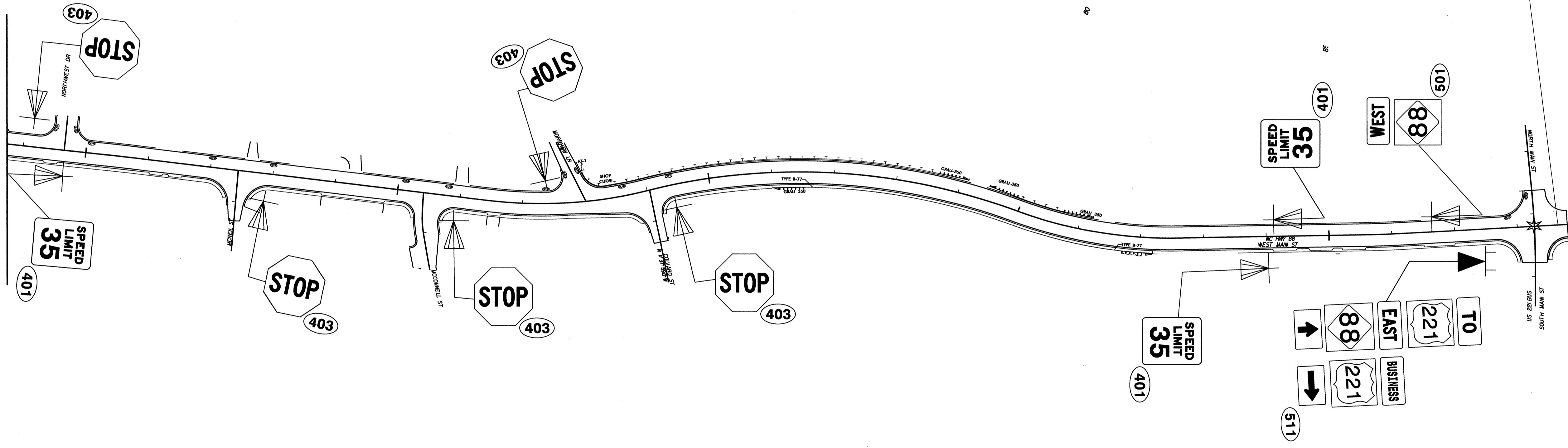
TIP NO. U-3812	SHEET NO. SIGN-10
APPROVED: 	
DATE: 8/22/11	
SEAL	



END STATE SIGNING PROJECT U-3812  
STA. -L- 88+80



MATCHLINE SHEET 9  
STA. -L- 63+71+/-



PROPOSED SIGNS

I5-AUG-2011 13:25  
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websterjohnson AT 12/17/11