

T.I.P.: U-3331

CONTRACT:

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

TIP NO. U-3331	SHEET NO. SIGN-1
APPROVED:	
DATE: 2-11-14	
SEAL 	

**SIGNING PLAN  
NASH COUNTY**

**LOCATION: SR-1616 (COUNTRY CLUB ROAD) FROM US 64 BUSINESS  
(BUCK LEONARD BLVD) TO SR-1541 (JEFFREYS ROAD)**

**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
901.50	ARROWS AND SHIELDS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

**PROJECT NOTES**

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2. DISPOSAL OF SIGN SYSTEM, WOOD
3. RELOCATE SIGN, TYPE "D", "E", OR "F"
4. DISPOSAL OF SUPPORT, U-CHANNEL
5. DISPOSAL OF SIGN, "E"

**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.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

**SUMMARY OF QUANTITIES**

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	910	L.F.
4096000000	904	SIGN ERECTION, TYPE D	4	EA.
4102000000	904	SIGN ERECTION, TYPE E	37	EA.
4108000000	904	SIGN ERECTION, TYPE F	6	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN, TYPE, "D", "E", OR "F"	4	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	38	EA.
4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD	4	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	7	EA.
4238000000	907	DISPOSAL OF SIGN, "E"	1	EA.

**INDEX**

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	SIGN DESIGNS
SIGN-3	E AND F SHEETS
SIGN-4-8	SIGN DETAIL SHEETS

PLAN PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT		
AYMAN ALQUDWAH, PE, CPM	SIGNING & DELINEATION REGIONAL ENGINEER	
BASIR A. RASHID	SIGNING & DELINEATION PROJECT DESIGN ENGINEER	

SIGN NUMBER: 301  
 TYPE: D  
 QUANTITY: 1  
 SIGN WIDTH: 5'-0"  
 HEIGHT: 2'-0"  
 TOTAL AREA: 10.0 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 0.5"  
 RADII: 3"  
 NO. Z BARS:  
 LENGTH:

BACKG COLOR: Green  
 COPY COLOR: White

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: B. RASHID  
 PROJECT ID: U-3331  
 CHECKED BY:  
 DIV: 4  
 DATE: Nov 21, 2011

BORDER R=3" TH=0.5"

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

Series/Size	Text Length
C 2000	36.5
C 2000	53.4
C 2000	51.1

FILENAME: U-3331\_Sgn\_SGM\_Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302  
 TYPE: D  
 QUANTITY: 1  
 SIGN WIDTH: 5'-0"  
 HEIGHT: 2'-0"  
 TOTAL AREA: 10.0 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 0.5"  
 RADII: 3"  
 NO. Z BARS:  
 LENGTH:

BACKG COLOR: Green  
 COPY COLOR: White

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: B. RASHID  
 PROJECT ID: U-3331  
 CHECKED BY:  
 DIV: 4  
 DATE: Nov 21, 2011

BORDER R=3" TH=0.5"

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

Series/Size	Text Length
C 2000	49.4
C 2000	40.5
C 2000	51.1

FILENAME: U-3331\_Sgn\_SGM\_Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 303,304  
 TYPE: D  
 QUANTITY: 2  
 SIGN WIDTH: 3'-0"  
 HEIGHT: 2'-0"  
 TOTAL AREA: 6.0 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 0.75"  
 RADII: 3"  
 NO. Z BARS:  
 LENGTH:

BACKG COLOR: Green  
 COPY COLOR: White

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: B. RASHID  
 PROJECT ID: U-3331  
 CHECKED BY:  
 DIV: 4  
 DATE: Nov 21, 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

Series/Size	Text Length
D 2000	24.7
D 2000	20.4

FILENAME: U-3331\_Sgn\_SGM\_Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

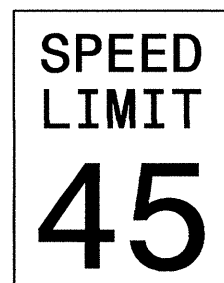
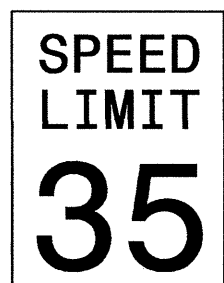
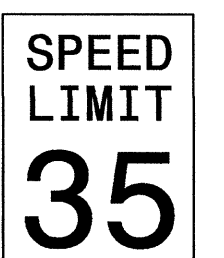
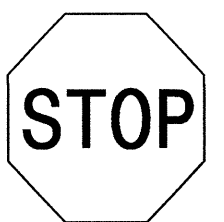



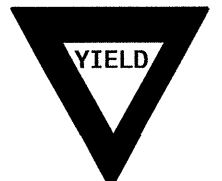
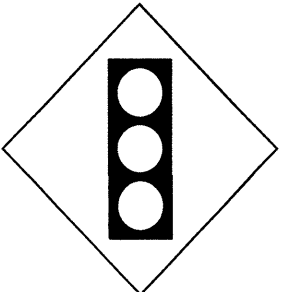

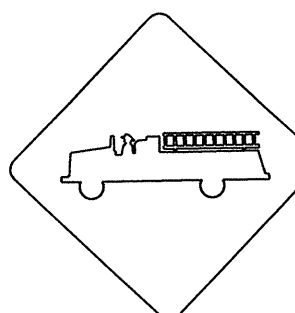

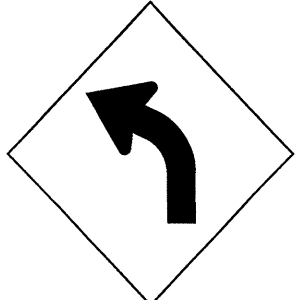
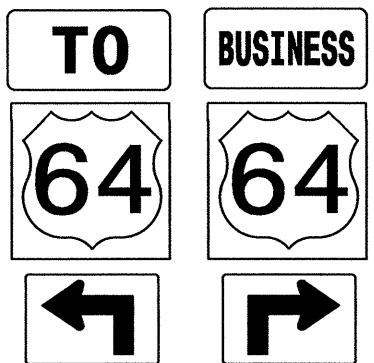
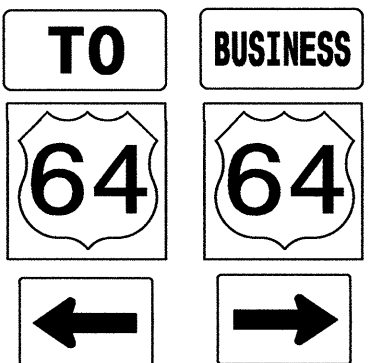
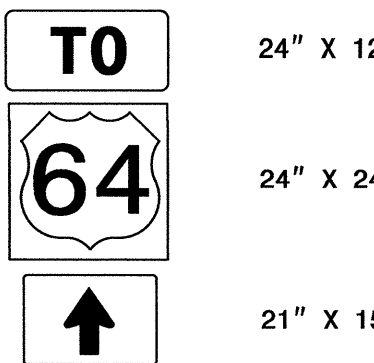
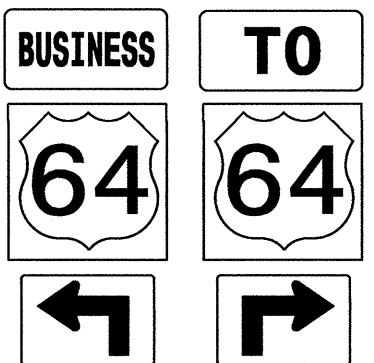
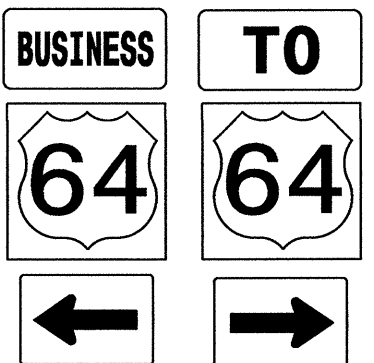
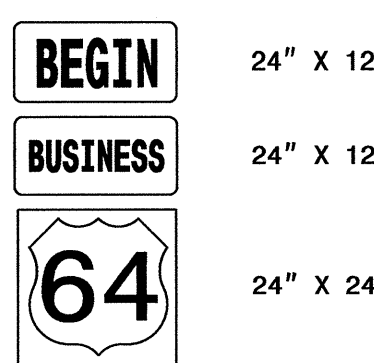
TIP NO. U-3331 SHEET NO. SIGN-2

APPROVED: *[Signature]*

DATE: 2-11-14

SEAL

**SIGN DESIGNS**

						TIP NO. U-3331	SHEET NO. SIGN-3
<p>(401) QUANTITY REQ'D _6_</p>  <p>30" X 36" R2-1</p> <p>ONE "U" POST PER SIGN</p>	<p>(402) QUANTITY REQ'D _5_</p>  <p>30" X 36" R2-1</p> <p>ONE "U" POST PER SIGN</p>	<p>(403) QUANTITY REQ'D _1_</p>  <p>24" X 30" R2-1</p> <p>ONE "U" POST PER SIGN</p>	<p>(404) QUANTITY REQ'D _7_</p>  <p>36" X 36" R1-1</p> <p>MOUNT BELOW SIGN 405 IN _2_ INSTALLATIONS</p> <p>ONE "U" POST PER SIGN</p>	<p>(405) QUANTITY REQ'D _4_</p>  <p>54" X 18" R6-1 (L)</p> <p>TWO "U" POSTS PER SIGN</p>	<p>(406) QUANTITY REQ'D _2_</p>  <p>36" X 36" W3-5</p> <p>ONE "U" POST PER SIGN</p>	<p>APPROVED: <i>[Signature]</i></p> <p>DATE: 2-11-14</p> <p>SEAL</p> 	
<p>(407) QUANTITY REQ'D _1_</p>  <p>36" X 36" X 36" R1-2</p> <p>ONE "U" POST PER SIGN</p>	<p>(408) QUANTITY REQ'D _6_</p>  <p>30" X 30" W3-3</p> <p>ONE "U" POST PER SIGN</p>	<p>(409) QUANTITY REQ'D _1_</p>  <p>36" X 36" R3-7</p> <p>ONE "U" POST PER SIGN</p>	<p>(410) QUANTITY REQ'D _2_</p>  <p>36" X 36" W11-8</p> <p>ONE "U" POST PER SIGN</p>	<p>(411) QUANTITY REQ'D _1_</p>  <p>30" X 30" W14-2</p> <p>ONE "U" POST PER SIGN</p>	<p>(412) QUANTITY REQ'D _1_</p>  <p>30" X 30" W1-2L</p> <p>ONE "U" POST PER SIGN</p>		
<p>(501)</p>  <p>2 - 24" X 12" 2 - 24" X 24" 2 - 21" X 15"</p> <p>TWO "U" POSTS PER SIGN</p>	<p>(502)</p>  <p>2 - 24" X 12" 2 - 24" X 24" 2 - 21" X 15"</p> <p>TWO "U" POSTS PER SIGN</p>	<p>(503)</p>  <p>24" X 12" 24" X 24" 21" X 15"</p> <p>ONE "U" POST PER SIGN</p>	<p>(504)</p>  <p>2 - 24" X 12" 2 - 24" X 24" 2 - 21" X 15"</p> <p>TWO "U" POSTS PER SIGN</p>	<p>(505)</p>  <p>2 - 24" X 12" 2 - 24" X 24" 2 - 21" X 15"</p> <p>TWO "U" POSTS PER SIGN</p>	<p>(506)</p>  <p>24" X 12" 24" X 12" 24" X 24"</p> <p>ONE "U" POST PER SIGN</p>		
						<p><b>TYPE "E" &amp; "F" SIGNS</b></p>	

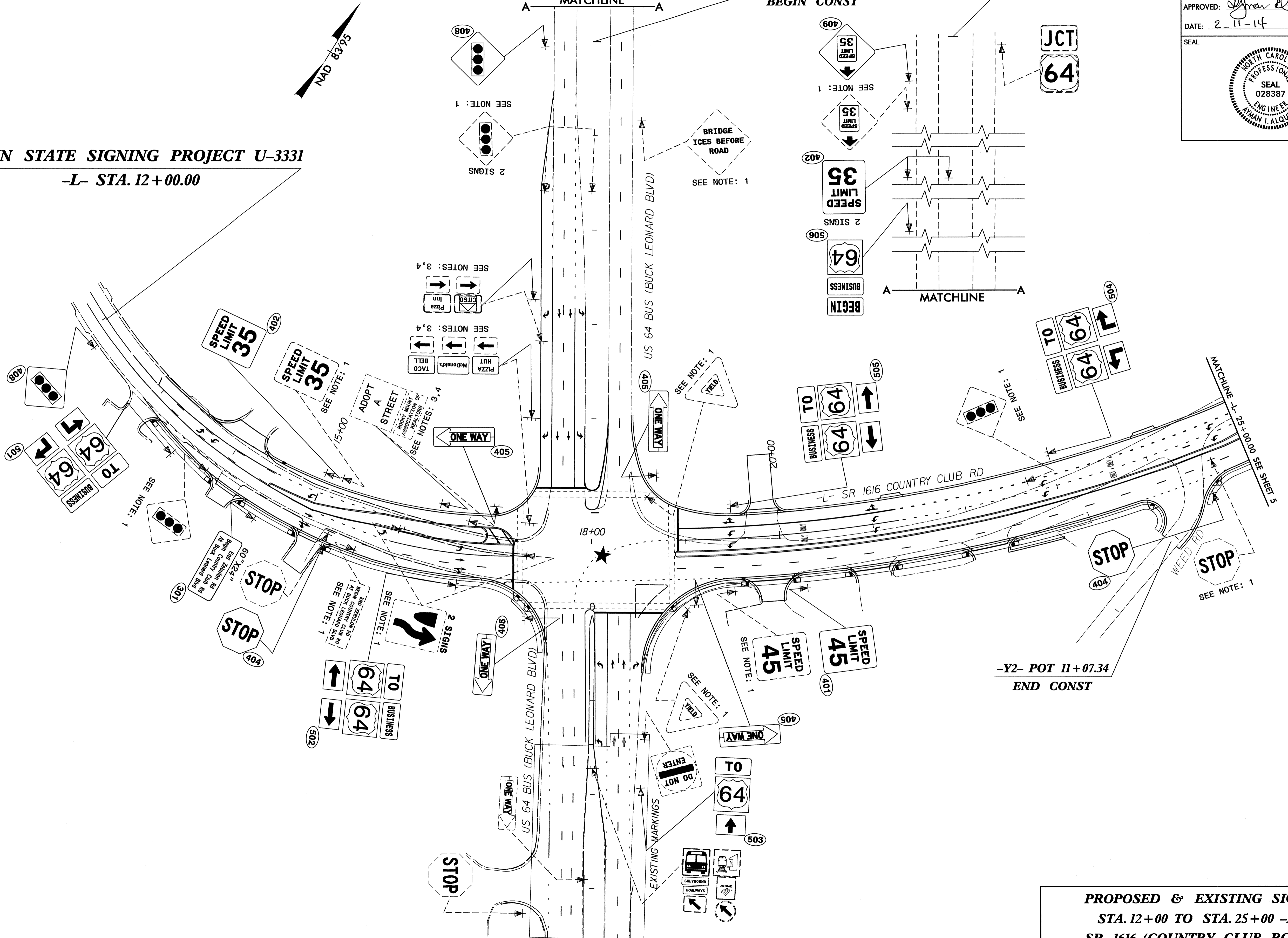
TIP NO. U-3331	SHEET NO. SIGN 4
APPROVED: <i>[Signature]</i>	
DATE: 2-11-14	
SEAL	

**BEGIN STATE SIGNING PROJECT U-3331**  
**-L- STA. 12+00.00**

**-Y1- POT 10+00.00**  
**BEGIN CONST**

**-Y1- BEGIN SIGNING PROJECT**

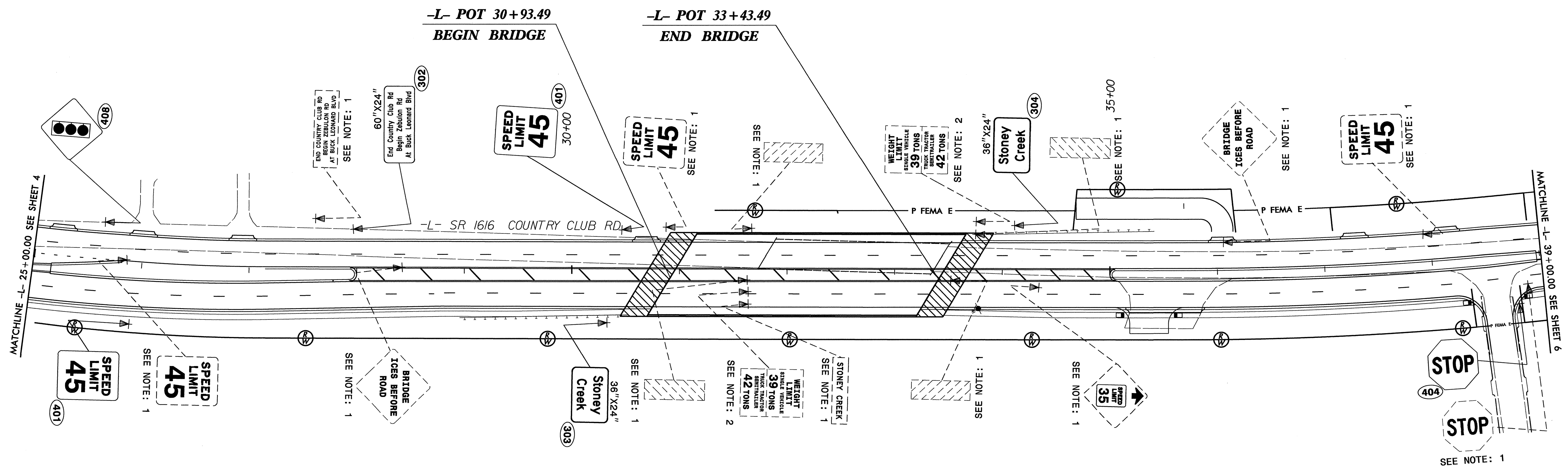
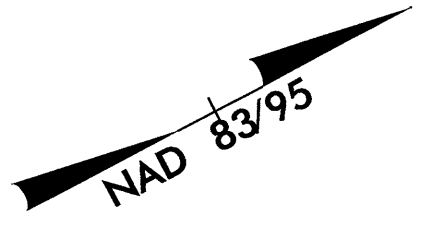
**-Y2- POT 11+07.34**  
**END CONST**



**PROPOSED & EXISTING SIGNS**  
**STA. 12+00 TO STA. 25+00 -L-**  
**SR 1616 (COUNTRY CLUB ROAD)**

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 brashid AT 11/27/12

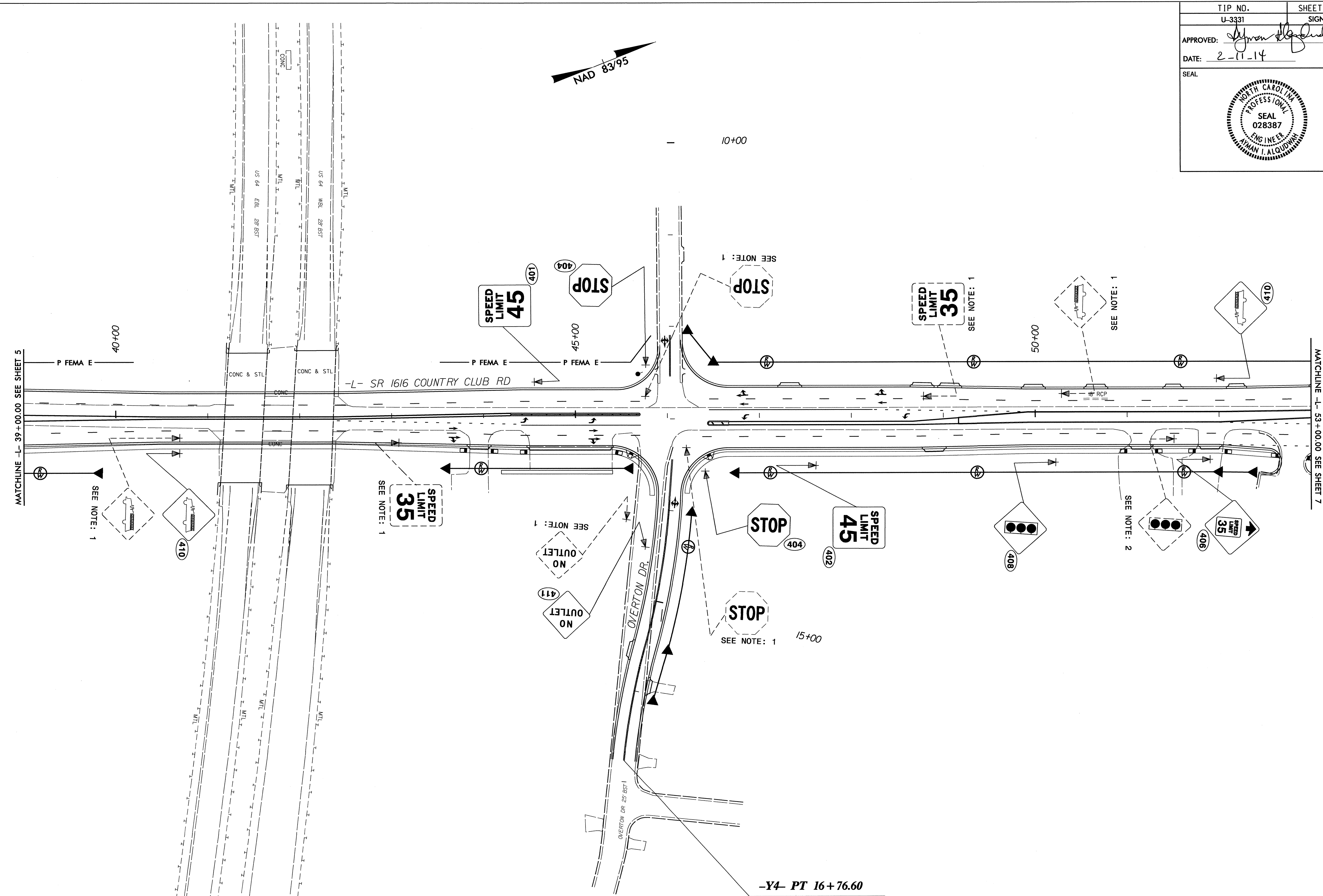
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APPROVED: <i>[Signature]</i>	
DATE: 2-11-14	
SEAL	



06-FEB-2014 14:01  
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 brashid AT TEZ/4/12

**PROPOSED & EXISTING SIGNS**  
**STA. 25+00 TO STA. 39+00 -L-**  
**SR 1616 (COUNTRY CLUB ROAD)**

TIP NO. U-3331	SHEET NO. SIGN-6
APPROVED: <i>[Signature]</i>	
DATE: 2-11-14	
SEAL	

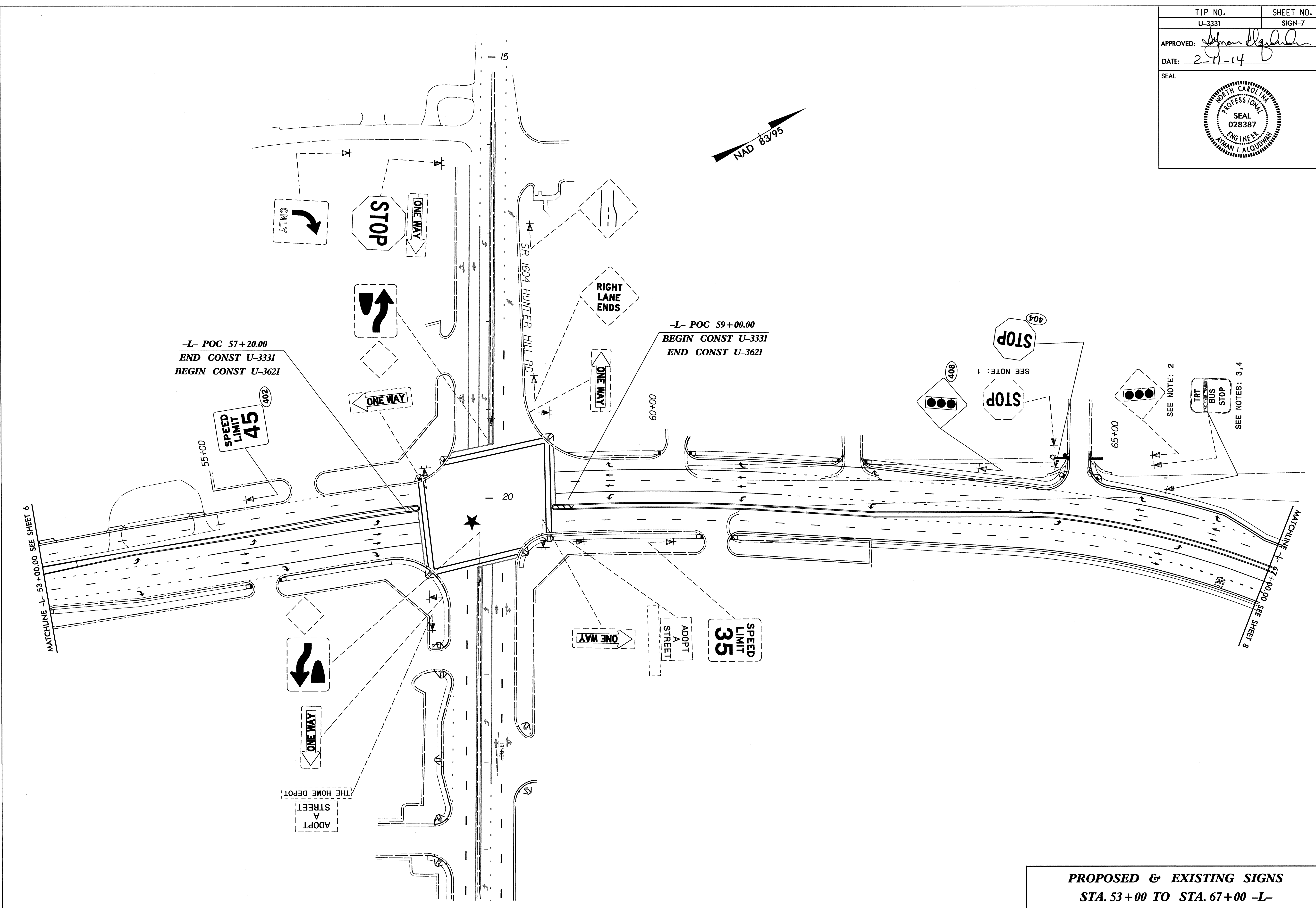


-Y4- PT 16+76.60  
END CONST  
TIE TO EXISTING

**PROPOSED & EXISTING SIGNS**  
STA. 39+00 TO STA. 53+00 -L-  
SR 1616 (COUNTRY CLUB ROAD)

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DATE: 2-11-14	
SEAL	

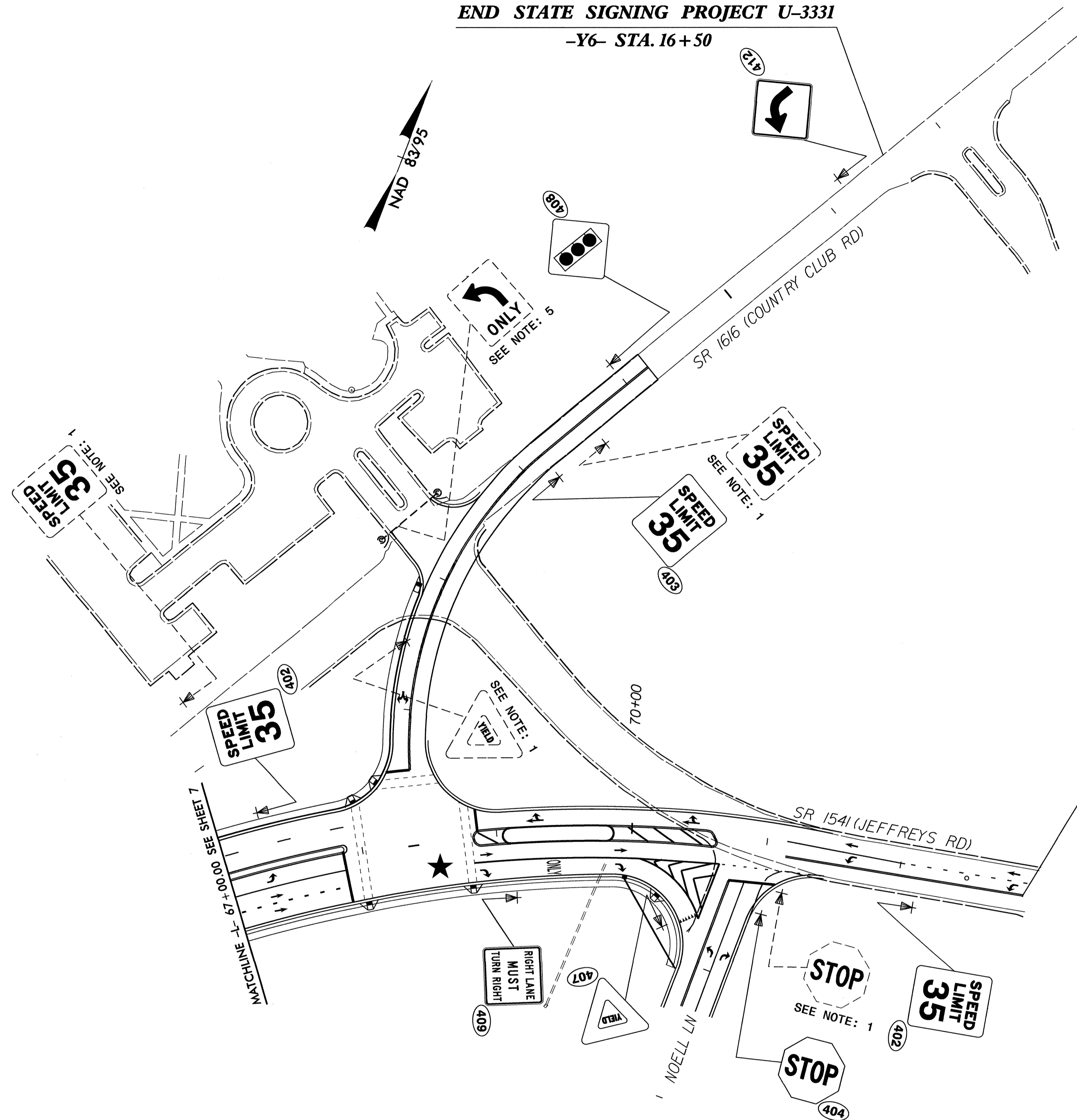


**PROPOSED & EXISTING SIGNS  
 STA. 53+00 TO STA. 67+00 -L-  
 SR 1616 (COUNTRY CLUB ROAD)**

**END STATE SIGNING PROJECT U-3331**

**-Y6- STA. 16+50**

TIP NO. U-3331	SHEET NO. SIGN-8
APPROVED: <i>[Signature]</i>	
DATE: 2-11-14	
SEAL	



**END STATE SIGNING PROJECT U-3331**

**-L- STA. 72+95.00**

**PROPOSED & EXISTING SIGNS  
STA. 67+00 TO STA. 72+95.00 -L-  
SR 1616 (COUNTRY CLUB ROAD)**

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