

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN  
GUILFORD COUNTY**

**LOCATION: US 70 (BURLINGTON ROAD) FROM WEST OF  
SR 3045 (MT. HOPE CHURCH ROAD)/  
SR 2819 (MCLEANSVILLE ROAD) TO JUST EAST OF  
SR 2826 (BIRCH CREEK ROAD)**

PROJECT REFERENCE NO. U-2581BA	SHEET NO. SIGN-1
APPROVED:	
DATE:	
SEAL	
<small>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</small>	

**T.I.P.: U-2581BA**

**ROADWAY STANDARD DRAWING**

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
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.SIGN ERECTION, RELOCATED, TYPE "D" SIGN
- 3.SIGN ERECTION, RELOCATED, TYPE "E" SIGN
- 4.DISPOSAL OF SUPPORT, 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.
- . SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING OR PAVEMENT MARKINGS. SEE TRAFFIC CONTROL PLANS.
- . 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	984	L.F.
4096000000	904	SIGN ERECTION, TYPE D	4	EA.
4102000000	904	SIGN ERECTION, TYPE E	33	EA.
4108000000	904	SIGN ERECTION, TYPE F	2	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE D (GROUND MOUNTED)	3	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E (GROUND MOUNTED)	5	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	42	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	9	EA.

**INDEX**

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

**CONTRACT:**

**PLAN PREPARED BY: VHB Engineering NC, P.C.**

**John G. Townsend, PE** PROJECT ENGINEER  
**Matthew L. Stygles, PE** PROJECT DESIGN ENGINEER

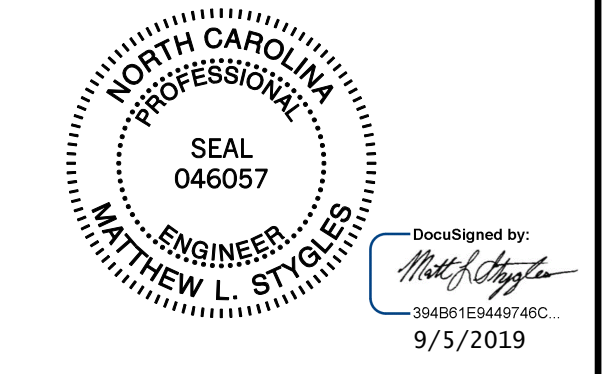


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Raleigh, NC 27606  
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919.829.0328

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SIGN NUMBER: 301 TYPE: D QUANTITY: 1 SIGN WIDTH: 6'-0" HEIGHT: 1'-6" 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 AR_Type D X 7.1 Y 6 WID 6 HT 9 MAT'L: 0.063" (1.6 mm) ALUMINUM 0.080" (2.0 mm) ALUMINUM 0.125" (3.2 mm) ALUMINUM	DESIGN BY: none PROJECT ID: ID CHECKED BY: LOCATION: Jul 10, 2019 DIV: DIV
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Panel Style: guide\_con\_destination\_ncdot.ssi  
M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

Letter locations are panel edge to lower left corner											Series/Size	
M	c	l	e	a	n	s	v	i	l	l	e	D 2000
22.1	27.8	32.2	34.1	38.2	42.7	47	50.2	55.1	57.3	59.5	61.4	42.8

FILENAME: U2581BA\_sgn\_301 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 303 TYPE: D QUANTITY: 1 SIGN WIDTH: 8'-6" HEIGHT: 2'-0" TOTAL AREA: 17.0 Sq.-Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADIUS: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL AR_Type D X Y WID HT MAT'L: 0.063" (1.6 mm) ALUMINUM 0.080" (2.0 mm) ALUMINUM 0.125" (3.2 mm) ALUMINUM	DESIGN BY: none PROJECT ID: ID CHECKED BY: LOCATION: Jul 10, 2019 DIV: DIV
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Panel Style: guide\_con\_destination\_ncdot.ssi  
M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

Letter locations are panel edge to lower left corner																	Series/Size						
C	h	a	r	l	o	t	t	e	H	a	w	k	i	n	s	B	r	o	w	n	C 2000		
8.2	12.6	16.4	20.3	22.9	24.7	28.2	30.4	33	36.1	42.1	46.4	49.8	56.1	60	61.9	65.7	68.2	74.2	78.4	80.9	84.5	90.8	85.6
M	e	m	o	r	i	a	l	H	i	g	h	w	a	y	C 2000								
20.5	25.5	29.3	35.2	39.2	41.8	43.4	47.3	48.2	54.2	58.7	60.5	64.6	68.3	74.3	77.8	61							

FILENAME: U2581BA\_sgn\_303 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302 TYPE: D QUANTITY: 1 SIGN WIDTH: 6'-0" HEIGHT: 1'-6" 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 AR_Type D X 55.9 Y 6 WID 6 HT 9 MAT'L: 0.063" (1.6 mm) ALUMINUM 0.080" (2.0 mm) ALUMINUM 0.125" (3.2 mm) ALUMINUM	DESIGN BY: none PROJECT ID: ID CHECKED BY: LOCATION: Jul 10, 2019 DIV: DIV
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Panel Style: guide\_con\_destination\_ncdot.ssi  
M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

Letter locations are panel edge to lower left corner											Series/Size	
M	c	l	e	a	n	s	v	i	l	l	e	D 2000
7.1	12.8	17.2	19.1	23.2	27.7	32	35.2	40.1	42.3	44.5	46.4	42.8

FILENAME: U2581BA\_sgn\_302 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 2-2_2012 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 COPY COLOR: White SYMBOL AR_Type D X Y WID HT MAT'L: 0.063" (1.6 mm) ALUMINUM 0.080" (2.0 mm) ALUMINUM 0.125" (3.2 mm) ALUMINUM	DESIGN BY: none PROJECT ID: ID CHECKED BY: LOCATION: Jul 10, 2019 DIV: DIV
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Panel Style: guide\_con\_destination\_ncdot.ssi  
M.U.T.C.D.: 2009 Edition

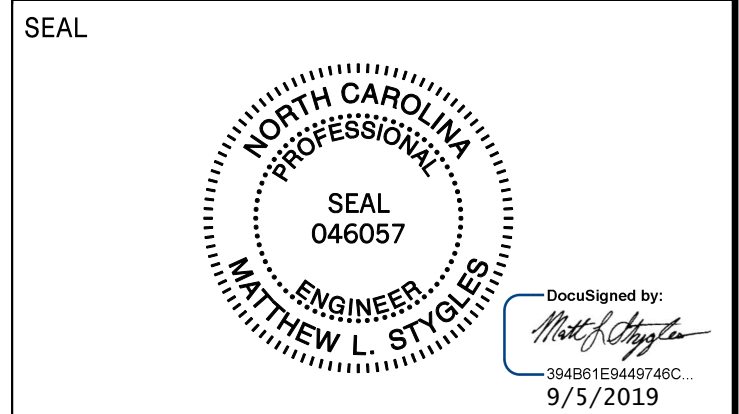
Spacing Factor is 1 unless specified otherwise

Letter locations are panel edge to lower left corner																	Series/Size
B	u	r	l	i	n	g	t	o	n	1	3	D 2000					
6.8	11.8	16.5	19.5	21.7	23.8	28.3	32.5	35.3	40	55.5	58.8	56					
R	a	l	e	i	g	h	7	3	D 2000								
6.8	11.5	16.1	18	22.4	24.3	29.1	55.5	61.1	58.3								

FILENAME: U2581BA\_sgn\_304 NORTH CAROLINA D.O.T. SIGN DETAIL

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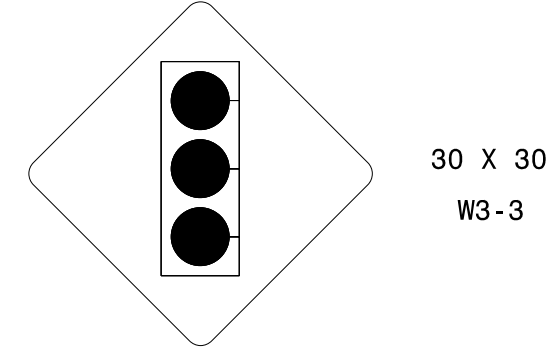
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401 QUANTITY REQ'D 7



30 X 30  
W3-3

ONE "U" POST PER SIGN

402 QUANTITY REQ'D 7



30 X 36  
R2-1

ONE "U" POST PER SIGN

403 QUANTITY REQ'D 5



24 X 36  
R3-9b

ONE "U" POST PER SIGN

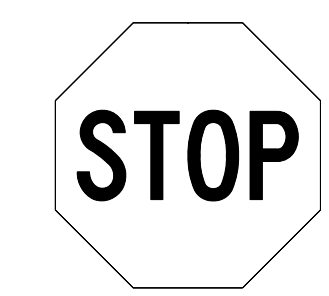
404 QUANTITY REQ'D 1



24 X 30  
R2-1

ONE "U" POST PER SIGN

405 QUANTITY REQ'D 5



30 X 30  
R1-1

ONE "U" POST PER SIGN

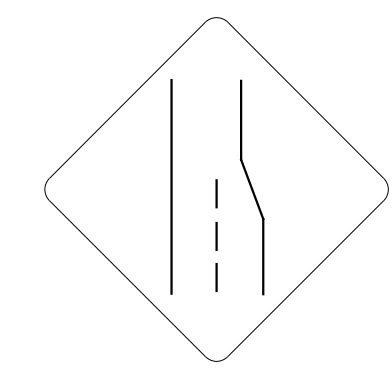
406 QUANTITY REQ'D 1



36 X 36  
W9-1R

ONE "U" POST PER SIGN

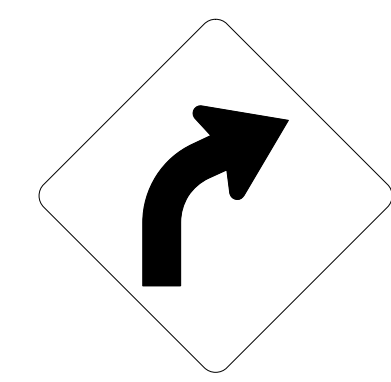
407 QUANTITY REQ'D 1



36 X 36  
W4-2R

ONE "U" POST PER SIGN

408 QUANTITY REQ'D 1



36 X 36  
W1-2R

ONE "U" POST PER SIGN

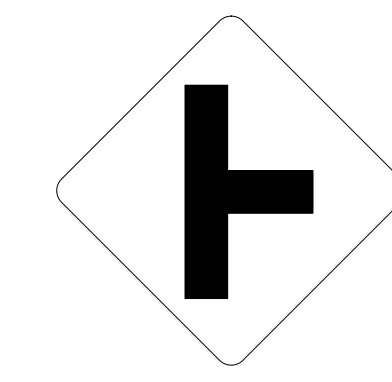
409 QUANTITY REQ'D 1



30 X 36  
R2-1

ONE "U" POST PER SIGN

410 QUANTITY REQ'D 1



30 X 30  
W2-2R

ONE "U" POST PER SIGN

411 QUANTITY REQ'D 3



24 X 30  
R2-1

ONE "U" POST PER SIGN

**TYPE "E" SIGNS**

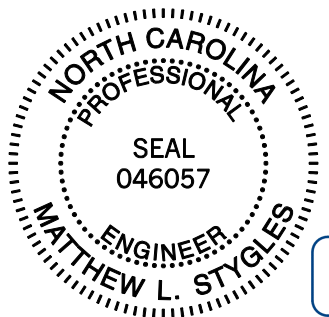
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 User: mstiles



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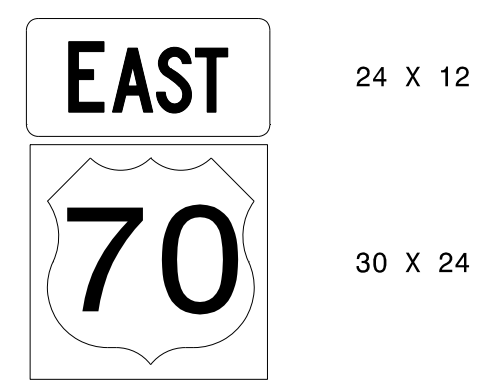
DocuSigned by:  
*Matthew L. Styles*  
304801E3A495746C  
9/5/2019

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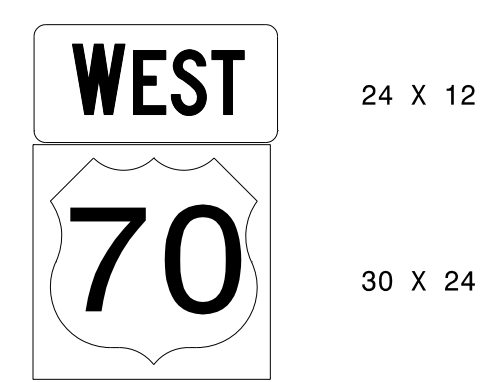
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501



ONE "U" POST PER SIGN

502



ONE "U" POST PER SIGN

**TYPE "F" SIGNS**

T:\11\2019\vhb\gbl\proj\Raleigh\38656.04 NCDOT U-2581BA US 70\NCDOT\Traffic\Signing\CADD\Signing Layout Plans\U2581BA\_sgn\_ts.dgn  
 User:msl165





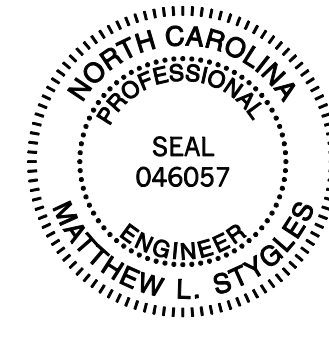








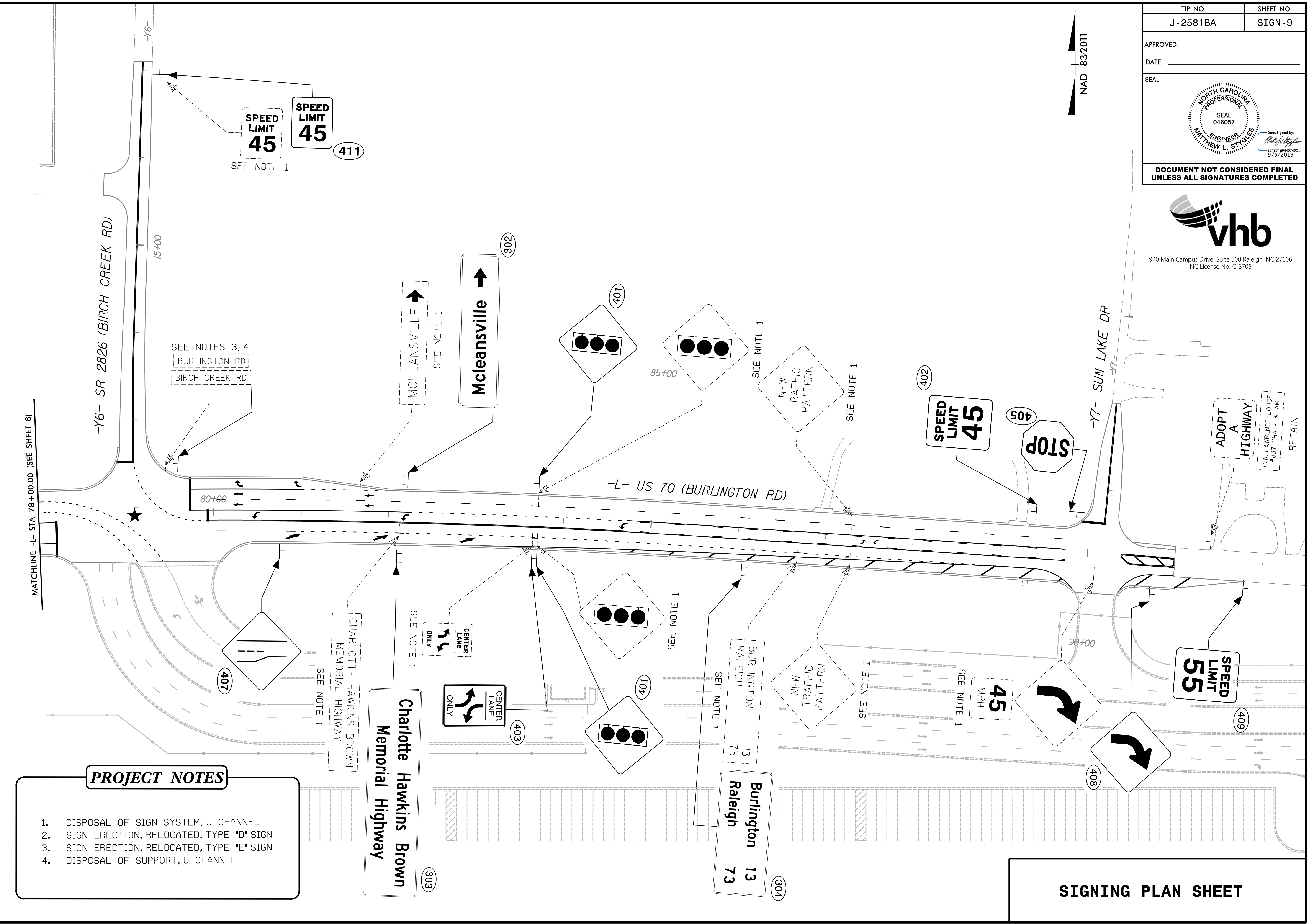


TIP NO. U-2581BA	SHEET NO. SIGN-9
APPROVED: _____	
DATE: _____	
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<small>Designed by: Matthew L. Stogdill Professional Engineer 9/5/2013</small>	
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**PROJECT NOTES**

1. DISPOSAL OF SIGN SYSTEM, U CHANNEL
2. SIGN ERECTION, RELOCATED, TYPE "D" SIGN
3. SIGN ERECTION, RELOCATED, TYPE "E" SIGN
4. DISPOSAL OF SUPPORT, U CHANNEL

**SIGNING PLAN SHEET**

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 6/10/2013 10:27:11 AM



