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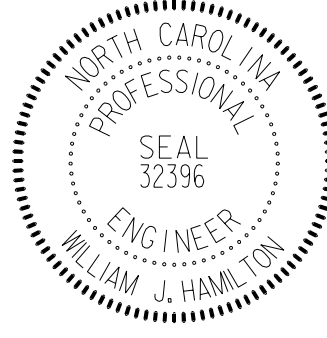
T.I.P.: U-5305

CONTRACT: C203460

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
RANDOLPH COUNTY**

**LOCATION: ASHEBORO - NC 49 INTERSECTION WITH SR 1144 (MACK ROAD)
AND CONNECTOR ROAD REALIGNMENT WITH US 64 WEST**

TIP NO. U-5305	SHEET NO. SIGN-1
Signed by: <u>William J. Hamilton</u> APPROVED: _____ DATE: 3/26/2015	
	

GENERAL NOTES

- . SIGNS FURNISHED BY STATE
- . ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- . 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.
- . 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	1181	L.F.
4096000000	904	SIGN ERECTION, TYPE D	6	EA.
4102000000	904	SIGN ERECTION, TYPE E	14	EA.
4108000000	904	SIGN ERECTION, TYPE F	14	EA.
4116100000	904	SIGN ERECTION, RELOCATE, TYPE D (GROUND MOUNTED)	6	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	29	EA.

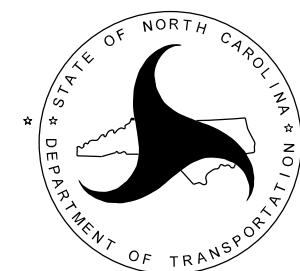
ROADWAY STANDARD DRAWING

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

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

RENEE ROACH, P.E. SIGNING & DELINEATION REGIONAL ENGINEER
ADAM GRADY SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY: Ramey Kemp & Associates


W.JASON HAMILTON, P.E., PTOE PROJECT MANAGER
NICHOLAS E. BURNS, E.I. PROJECT ENGINEER



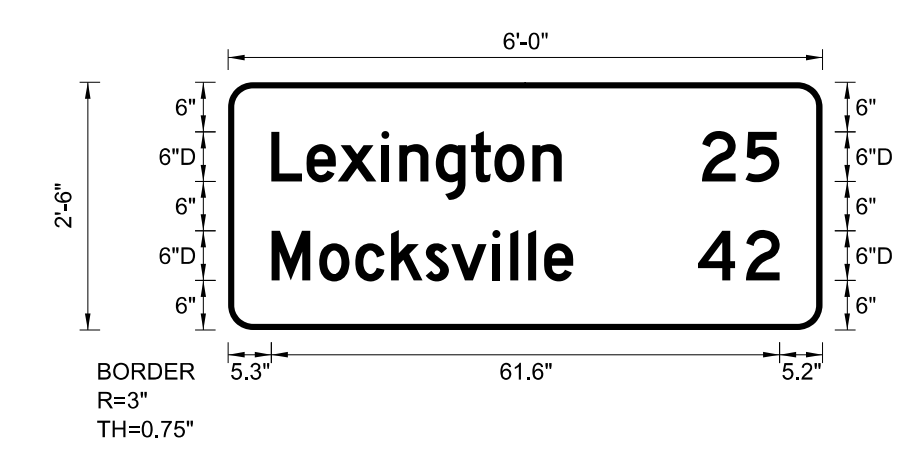
INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2-3	SIGN DESIGNS
SIGN-4	TYPE "E" AND "F" SIGNS
SIGN-5-6	EXISTING AND PROPOSED SIGNS

TIP NO. U-5305	SHEET NO. SIGN-2
APPROVED: <u>William J. Hamilton</u> A066C0704648484	
DATE: 3/26/2015	
SEAL	



SIGN NUMBER: 301 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" RADII: 3" NO. Z BARS: 1 LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: NE BURNS PROJECT ID: U-5305 CHECKED BY: WJ HAMILTON DIV: 8 DATE: Apr 30, 2014
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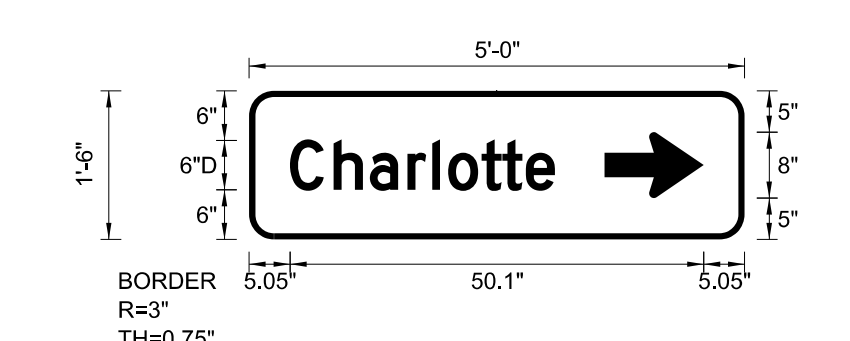
USE NOTES: 1,2
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

Letter spacings are to start of next letter											Series/Size				
											Text Length				
											D 2000				
5.3	4.3	3.8	5.3	2.2	4.4	4.3	2.8	4.6	3.5	1.7	5.3	4.1	5.2	61.5	
M o c k s v i l l e											D 2000				
5.3	5.8	4.4	4.3	4.2	3.1	5	2.2	2.2	1.9	3.5	15.1	5.8	4.1	5.2	61.5

FILENAME: Nicks Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 303 TYPE: D QUANTITY: 1 SIGN WIDTH: 5'-0" HEIGHT: 1'-6" TOTAL AREA: 7.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: 1 LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT AR_Type D 43 5 8 12 MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: NE BURNS PROJECT ID: U-5305 CHECKED BY: WJ HAMILTON DIV: 8 DATE: May 05, 2014
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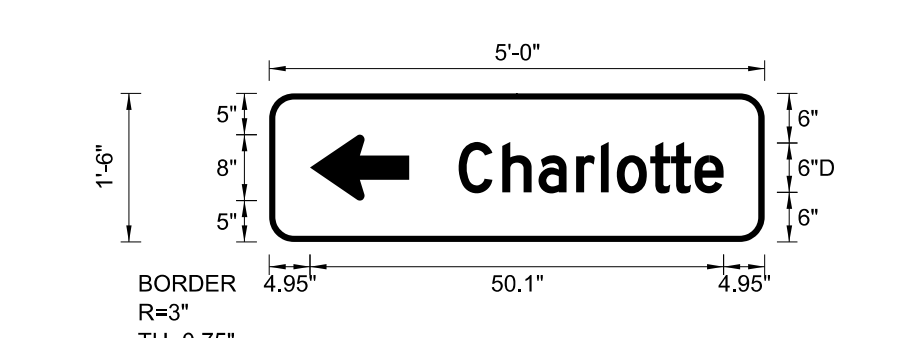
USE NOTES: 1,2,3
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

Letter spacings are to start of next letter											Series/Size
											Text Length
											D 2000
4.9	5.3	4.4	4.6	3	1.9	4.1	2.5	2.8	3.5	23	32.1

FILENAME: Nicks Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302 TYPE: D QUANTITY: 1 SIGN WIDTH: 5'-0" HEIGHT: 1'-6" TOTAL AREA: 7.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: 1 LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT AR_Type D 4.9 5 8 12 MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: NE BURNS PROJECT ID: U-5305 CHECKED BY: WJ HAMILTON DIV: 8 DATE: May 05, 2014
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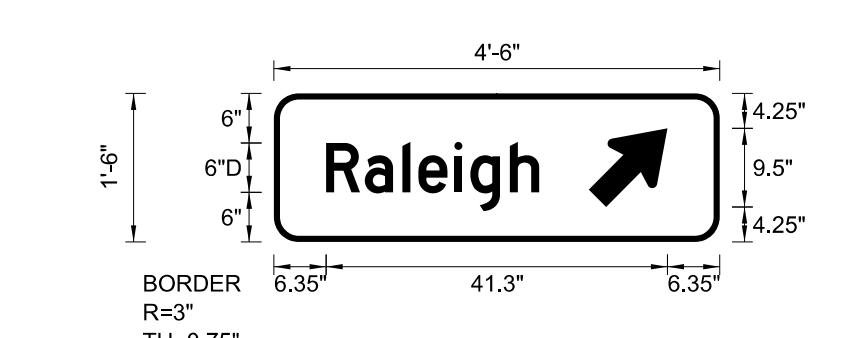
USE NOTES: 1,2,3
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

Letter spacings are to start of next letter											Series/Size
											Text Length
											D 2000
23	5.3	4.4	4.6	3	1.9	4.1	2.5	2.8	3.5	4.9	32.1

FILENAME: Nicks Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 304 TYPE: D QUANTITY: 1 SIGN WIDTH: 4'-6" HEIGHT: 1'-6" TOTAL AREA: 6.8 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: 1 LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT AR_Type D 38.1 4.2 8 12 MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: NE BURNS PROJECT ID: U-5305 CHECKED BY: WJ HAMILTON DIV: 8 DATE: Apr 30, 2014
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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.

Spacing Factor is 1 unless specified otherwise

Letter spacings are to start of next letter											Series/Size
											Text Length
											D 2000
6.3	4.7	4.6	1.9	4.4	1.9	4.8	3.5	21.9	25.8		

FILENAME: Nicks Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

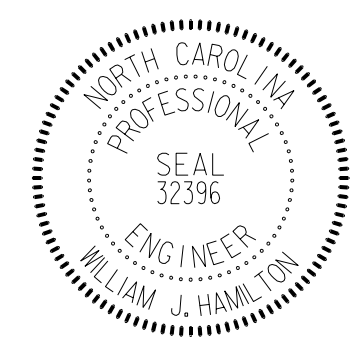
Prepared in the offices of:



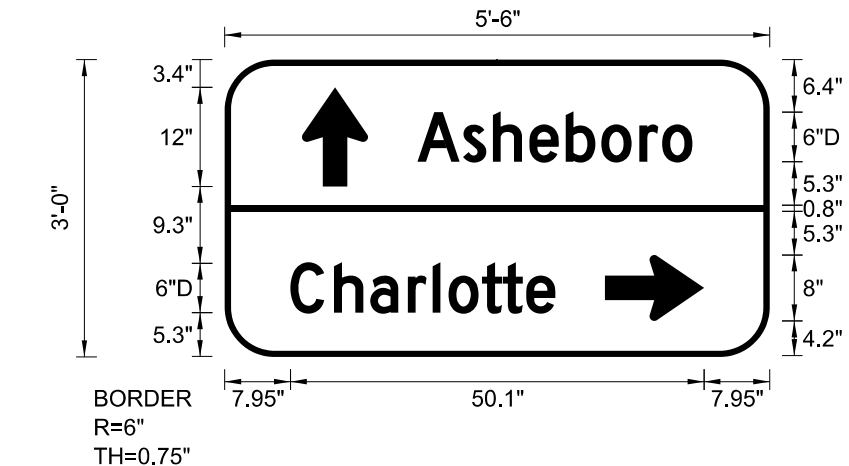
RAMEY KEMP ASSOCIATES, INC.
 Transportation Engineers
 6308 Fairington Place, Suite 100
 Raleigh, North Carolina 27609
 919-872-3115 Tel. 919-878-6416 Fax.
 www.rameykemp.com

SIGN DETAIL SHEET

TIP NO. U-5305	SHEET NO. SIGN-3
APPROVED: <u>William J. Hamilton</u> A05600204648484	
DATE: 3/26/2015	
SEAL	



SIGN NUMBER: 306 TYPE: D QUANTITY: 1 SIGN WIDTH: 5'-6" HEIGHT: 3'-0" TOTAL AREA: 16.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 6" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White <table border="1"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr> <td>AR_Type D</td> <td>9.3</td> <td>20.7</td> <td>8</td> <td>12</td> </tr> <tr> <td>AR_Type D</td> <td>46.1</td> <td>4.3</td> <td>8</td> <td>12</td> </tr> </tbody> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	AR_Type D	9.3	20.7	8	12	AR_Type D	46.1	4.3	8	12	DESIGN BY: NE BURNS PROJECT ID: U-5305 CHECKED BY: WJ HAMILTON DIV: 8 DATE: Apr 30, 2014
SYMBOL	X	Y	WID	HT													
AR_Type D	9.3	20.7	8	12													
AR_Type D	46.1	4.3	8	12													



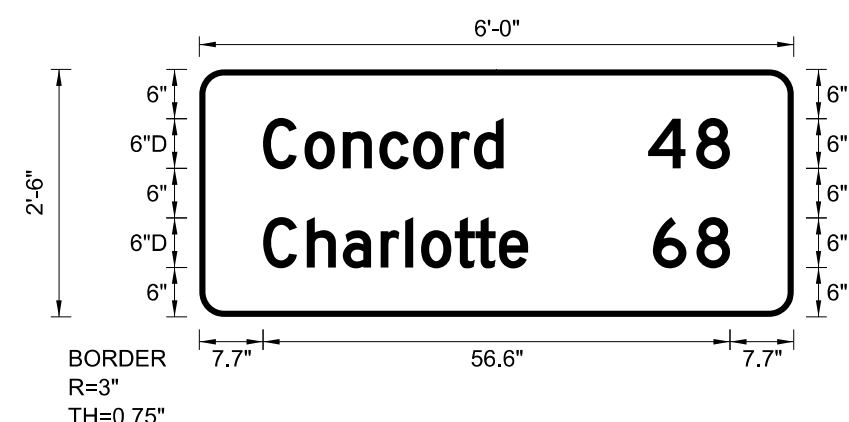
BORDER R=6" TH=0.75"

Spacing Factor is 1 unless specified otherwise

Letter spacings are to start of next letter											Series/Size
											Text Length
A	s	h	e	b	o	r	o				D 2000
23.4	5.5	3.6	4.4	4.4	4.3	4.6	2.8	3.7	9.4		33.3
C	h	a	r	l	o	t	t	e			D 2000
8	5.3	4.4	4.6	3	1.9	4.1	2.5	2.8	3.5	26	32.1

FILENAME: Nick's Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 305 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" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White <table border="1"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> </tbody> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	DESIGN BY: NE BURNS PROJECT ID: U-5305 CHECKED BY: WJ HAMILTON DIV: 8 DATE: Apr 30, 2014
SYMBOL	X	Y	WID	HT			



BORDER R=3" TH=0.75"

Spacing Factor is 1 unless specified otherwise

Letter spacings are to start of next letter											Series/Size
											Text Length
C	o	n	c	o	r	d	4	8			D 2000
7.7	5	4.6	4.4	4.1	4.6	2.8	3.6	17.5	5.8	4.1	56.6
C	h	a	r	l	o	t	t	e	6	8	D 2000
7.7	5.3	4.4	4.6	3	1.9	4.1	2.5	2.8	3.5	15.1	56.6

FILENAME: Nick's Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

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 www.rameykemp.com

SIGN DETAIL SHEET

APPROVED: *William J. Hamilton*
A05600704648484
DATE: 3/26/2015



401 QUANTITY REQ'D 2

36 X 36
R1-1

ONE "U" POST PER SIGN

406 QUANTITY REQ'D 2

30 X 36
R2-1

ONE "U" POST PER SIGN

501

1 - 24" X 12"
1 - 24" X 12"
1 - 24" X 24"
1 - 21" X 15"

ONE "U" POST PER SIGN

506

1 - 24" X 12"
1 - 24" X 24"

ONE "U" POST PER SIGN

511

1 - 24" X 12"
1 - 24" X 24"

ONE "U" POST PER SIGN

513

1 - 24" X 12"
1 - 24" X 12"
1 - 24" X 24"
1 - 24" X 12"
1 - 30" X 12"
2 - 24" X 24"
2 - 21" X 15"

TWO "U" POSTS PER SIGN

402 QUANTITY REQ'D 5

24 X 30
R4-7

ONE "U" POST PER SIGN

407 QUANTITY REQ'D 1

30 X 30
W12-1

ONE "U" POST PER SIGN

502

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

TWO "U" POSTS PER SIGN

507

1 - 24" X 12"
1 - 24" X 24"
1 - 21" X 15"

ONE "U" POST PER SIGN

508

1 - 24" X 12"
1 - 24" X 12"
1 - 24" X 24"
1 - 21" X 15"

ONE "U" POST PER SIGN

512

3 - 24" X 12"
1 - 24" X 24"
1 - 24" X 12"
1 - 30" X 12"
1 - 24" X 24"
1 - 24" X 24"
1 - 21" X 15"
1 - 21" X 15"
1 - 21" X 15"

THREE "U" POSTS PER SIGN

403 QUANTITY REQ'D 2

30 X 36
R2-1

ONE "U" POST PER SIGN

503

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

TWO "U" POSTS PER SIGN

504

1 - 24" X 12"
1 - 24" X 24"

ONE "U" POST PER SIGN

509

1 - 24" X 12"
2 - 24" X 12"
2 - 24" X 24"
2 - 24" X 24"
2 - 21" X 15"

TWO "U" POSTS PER SIGN

510

1 - 24" X 12"
1 - 24" X 24"

ONE "U" POST PER SIGN

514

1 - 24" X 12"
1 - 24" X 24"
1 - 21" X 15"

TWO "U" POSTS PER SIGN

404 QUANTITY REQ'D 1

54 X 18
R6-1 (R)

TWO "U" POSTS PER SIGN

505

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

TWO "U" POSTS PER SIGN

506

1 - 24" X 12"
1 - 24" X 24"

ONE "U" POST PER SIGN

507

1 - 24" X 12"
2 - 24" X 12"
2 - 24" X 24"
2 - 24" X 24"
2 - 21" X 15"

TWO "U" POSTS PER SIGN

508

1 - 24" X 12"
2 - 24" X 12"
2 - 24" X 24"
2 - 24" X 24"
2 - 21" X 15"

TWO "U" POSTS PER SIGN

509

1 - 24" X 12"
1 - 24" X 24"
1 - 21" X 15"

TWO "U" POSTS PER SIGN

405 QUANTITY REQ'D 1

30 X 30
W14-2

ONE "U" POST PER SIGN

510

1 - 24" X 12"
1 - 24" X 24"

ONE "U" POST PER SIGN

511

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

TWO "U" POSTS PER SIGN

512

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

TWO "U" POSTS PER SIGN

513

1 - 24" X 12"
1 - 24" X 24"

ONE "U" POST PER SIGN

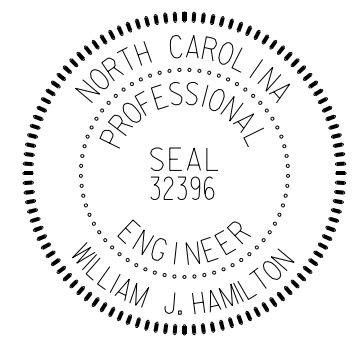
514

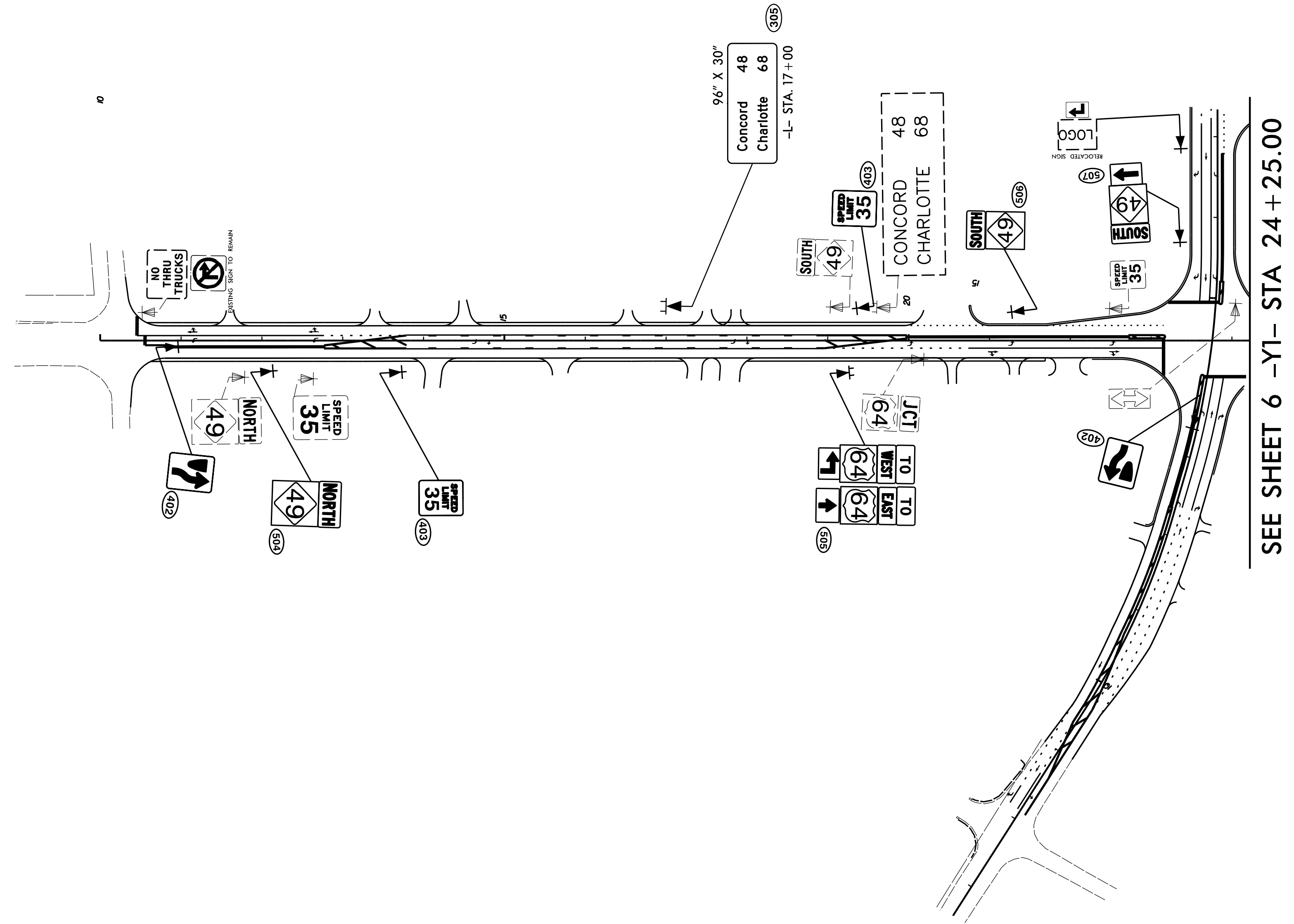
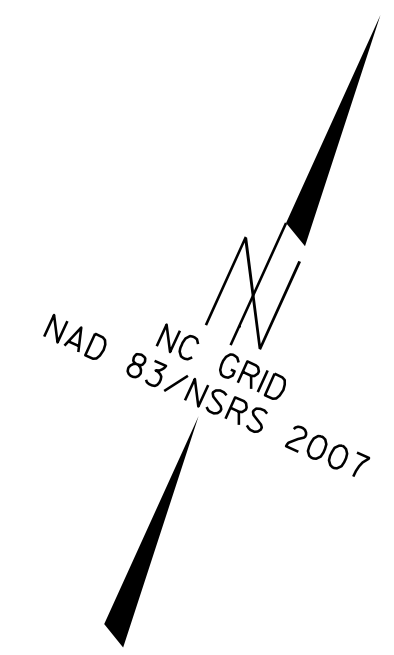
1 - 24" X 12"
1 - 24" X 24"
1 - 21" X 15"

TWO "U" POSTS PER SIGN

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RAMEY KEMP ASSOCIATES, INC.
TRANSPORTATION ENGINEERS
5100 Foothill Plaza, Suite 100
Raleigh, North Carolina 27609
919.875.5115 Tel. 919.875.5416 Fax
www.rameykemp.com

TYPE "E" AND "F" SIGNS

TIP NO. U-5305	SHEET NO. SIGN-5
Designed by: <i>William J. Hamilton</i>	
APPROVED: _____ A05600704648484	
DATE: 3/26/2015	
SEAL	
	



SEE SHEET 6 -Y1- STA 24 + 25.00

Prepared in the offices of:



RAMEY KEMP ASSOCIATES, INC.
TRANSPORTATION ENGINEERS
888 Farrington Place, Suite 100
Raleigh, North Carolina 27609
919-872-2116 Tel. 919-878-8416 Fax.
www.rameykemp.com

EXISTING AND PROPOSED SIGNS

TIP NO.	SHEET NO.
U-5305	SIGN-6
Designed by: <u>William J. Hamilton</u> A05600794848484	
APPROVED: _____	
DATE: 3/26/2015	
SEAL	
