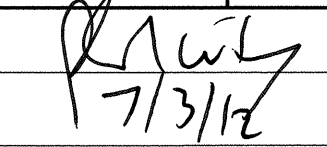



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

TIP NO. R-5000	SHEET NO. SIGN-1
APPROVED: 	
DATE: 7/3/12	
SEAL	
	

T.I.P.: R-5000

SIGNING PLAN
JACKSON COUNTY

LOCATION: NEW LOCATION CONNECTOR ROAD FROM NC 116 TO EAST OF NC 107
TYPE OF WORK: GRADING, DRAINAGE, PAVING CURB & GUTTER, AND STRUCTURE

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
901.10	TYPE 'A' SIGNS
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - FOR TYPE A AND TYPE B SIGNS
903.10	GROUND MOUNTED SIGN SUPPORTS
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.
- . DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	3	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	2439	LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	938	LF.
4096000000	904	SIGN ERECTION, TYPE D	1	EA.
4102000000	904	SIGN ERECTION, TYPE E	70	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	4	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	23	EA.

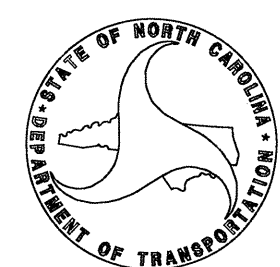
INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET/QUANTITIES
SIGN-2	SUPPORT INFORMATION
SIGN-3	E SHEET
SIGN-3A-3C	SIGN DESIGN DETAIL
SIGN-4-8	SIGN DETAIL SHEETS


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

K. Jordan SIGNING & DELINEATION REGIONAL ENGINEER

J. Navarrete SIGNING & DELINEATION PROJECT DESIGN ENGINEER



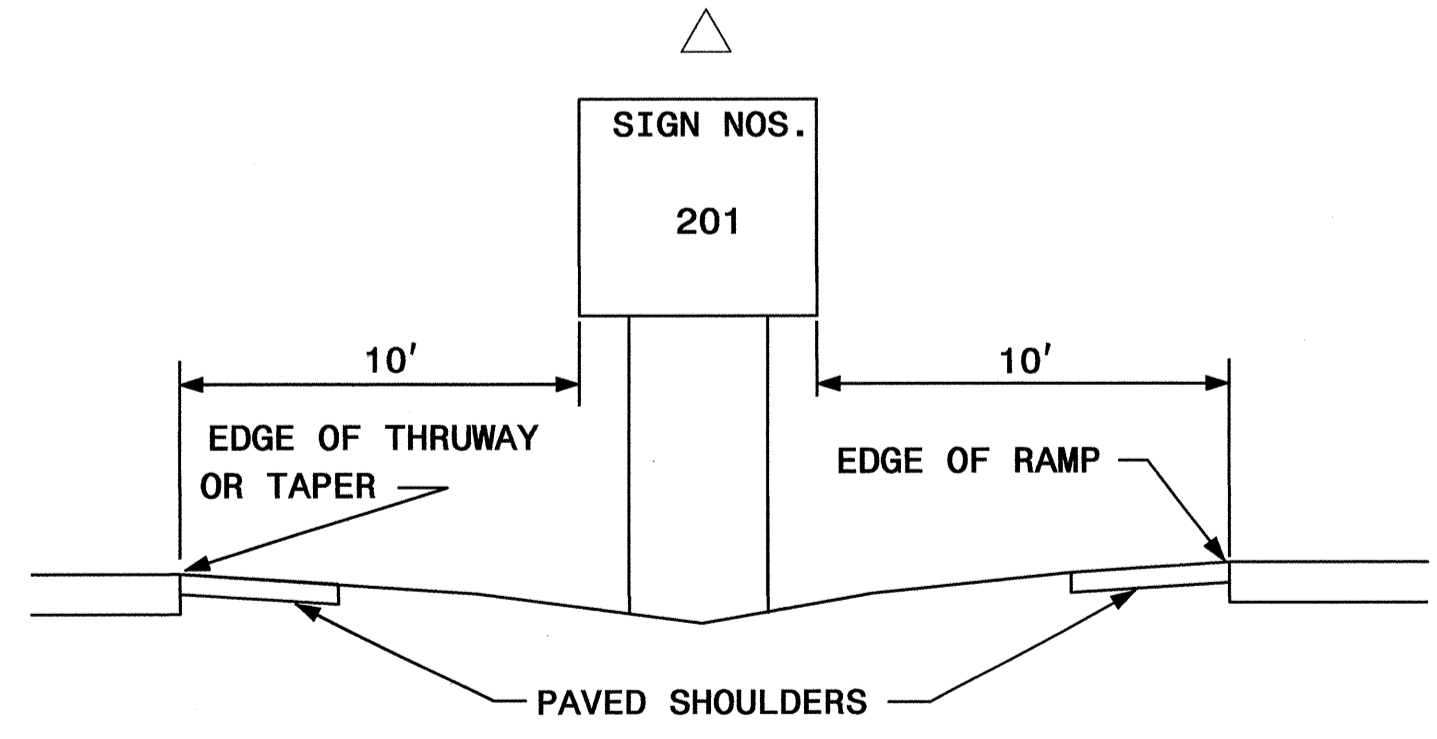
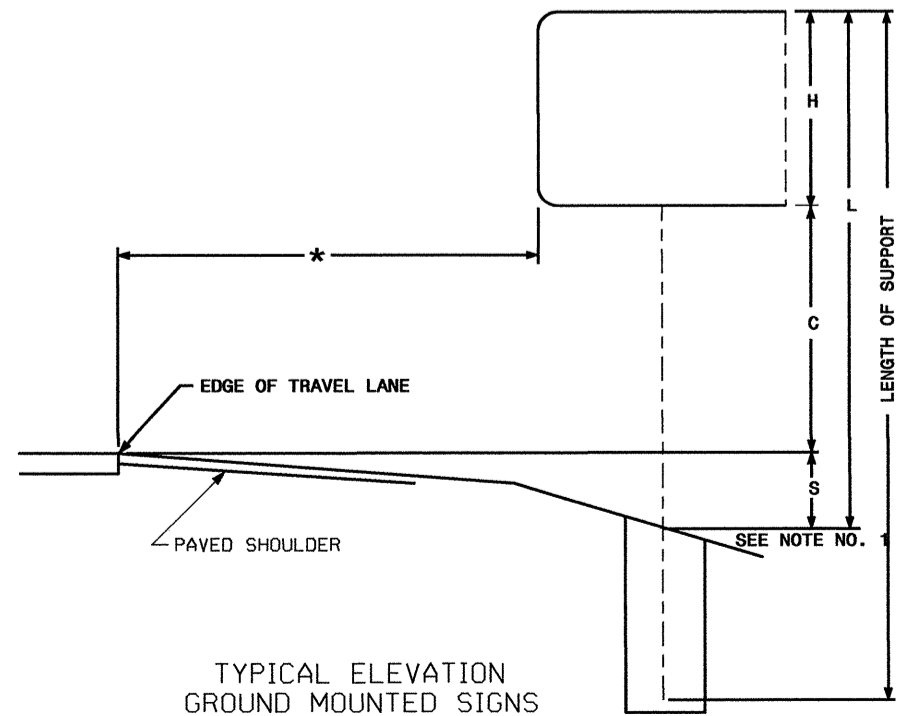
CONTRACT:

TIP NO. R-5000	SHEET NO. SIGN-2
APPROVED: <i>[Signature]</i>	
DATE: 7/2/12	
SEAL	
	

SIGN NO.	SIGN TYPE	SIGN SIZE (in. w x h)	ROADWAY STATION	NO. OF SUP.	BEAM SECTION	SUPPORT TYPE	ATTACH METHOD	MOUNTING METHOD	HORIZ. CLR. (ft.)	SNS HT (ft.)	MTG HT (ft.)	EMBED-MENT (ft.)	LENGTH (ft.)			FOOTING TOTAL	FOOTING DIAMETER (ft.)	FOOTING DEPTH (ft.)	SUPPORT WEIGHTS (lbs.)	SUPPORT REINF. (c.y.)	PLAIN FTGS. (c.y.)	FIELD VERIFIED (mm/dd/yy)					
													S	L	LENGTH												
101	A	162 X66	*1640' IN ADVANCE AT 103 SIGN (STA. 26+21 +/- -Y4)	2	W6x12	BA	N/A	N/A	30.00	5.50	7.00	4.5	0.50	13.00	17.50	0.00	0.00	0.00	0.50	13.00	17.50	1.5	5	505.36	0.00	0.65	0.00
102	A	198 X72	*1000' IN ADVANCE AT 103 SIGN (STA. 26+21 +/- -Y4)	2	W6x12	BA	N/A	N/A	30.00	6.00	8.00	5	-1.00	13.00	18.00	0.00	0.00	0.00	-1.00	13.00	18.00	1.5	5.5	517.36	0.00	0.72	0.00
103	A	150 X66	31+50 Y4	2	W6x16	BA	N/A	N/A	18.00	5.50	15.31	5.5	-2.91	17.90	23.40	0.00	0.00	0.00	-8.31	12.50	18.00	1.5	6	794.78	0.00	0.79	0.00
201	A	72 X60	15+29 RPA	2	W6x12	BA	N/A	N/A	△	5.00	7.00	4	6.34	18.34	22.34	0.00	0.00	0.00	6.27	18.27	22.27	1.5	4.5	620.68	0.00	0.59	0.00
													TOTAL	TOTAL	TOTAL	TOTAL											
													2438.19	0.00	2.75	0.00											
													USE:	2439	0	3	0										

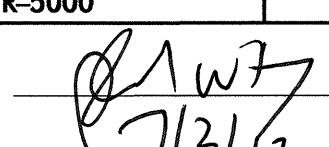
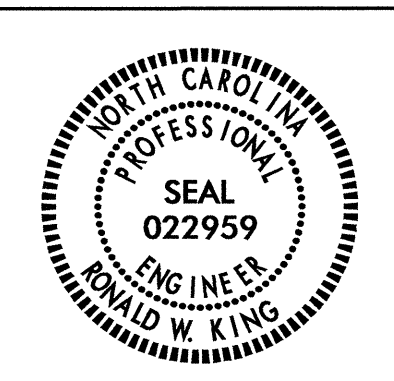
NOTES

- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF PAVEMENT.
- FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (*) ARTICLE 1072-1. (*) = N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES
- PLAN LOCATIONS FOR EXISTING UTILITIES ARE BASED ON THE BEST AVAILABLE INFORMATION AND, THEREFORE MAY NOT BE PRECISELY ACCURATE. THEREFORE, IT IS INCUMBENT UPON THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE BEGINNING WORK IN A LOCATION.



TYPE "A" AND TYPE "B" GROUND MOUNTED SIGNS

03-JUL-2012 09:44:23 S:\SRDU\TIPROJECTS\R-5000\11-22-11 R5000\11-22-11 R5000\Proj\Signing\R-5000_Sheets_quantities.dgn jma00000

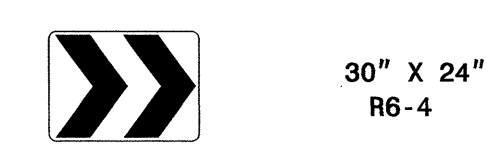
TIP NO. R-5000	SHEET NO. SIGN-3
APPROVED: 	
DATE: 7/3/12	
SEAL 	

401 QUANTITY REQ'D 8



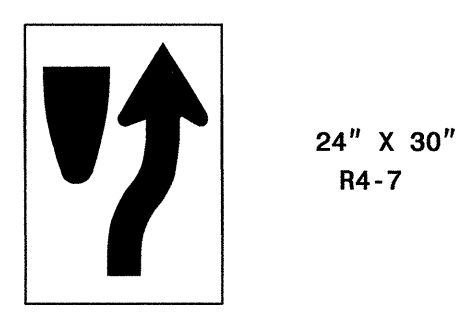
30 X 30
W11-2
YELLOW/GREEN REFLECTIVE SHEETING
ONE "U" POST PER SIGN

407 QUANTITY REQ'D 7



30" X 24"
R6-4
ONE "U" POST PER SIGN

412 QUANTITY REQ'D 6



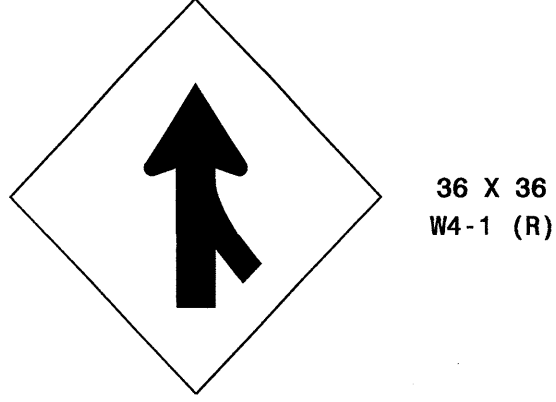
24" X 30"
R4-7
ONE "U" POST PER SIGN

417 QUANTITY REQ'D 2



24" X 8"
R4-7
ONE "U" POST PER SIGN

402 QUANTITY REQ'D 1



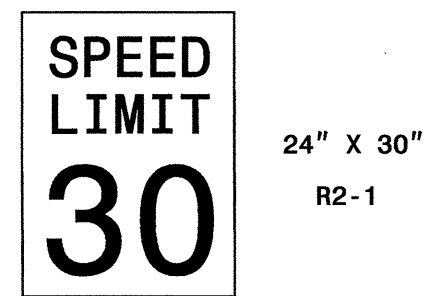
36 X 36
W4-1 (R)
TWO "U" POSTS PER SIGN

408 QUANTITY REQ'D 2



30 X 30
R1-1
ONE "U" POST PER SIGN

413 QUANTITY REQ'D 2



24" X 30"
R2-1
ONE "U" POST PER SIGN

418 QUANTITY REQ'D 1



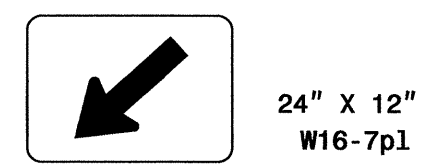
36" X 18"
R6-1 (L)
TWO "U" POSTS PER SIGN

403 QUANTITY REQ'D 1



36 X 18
R6-1 (R)
MOUNT ABOVE SIGN 408.
IN 1 INSTALLATIONS
TWO "U" POSTS PER SIGN

409 QUANTITY REQ'D 8



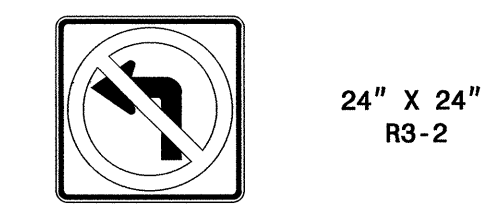
24" X 12"
W16-7p1
MOUNT BELOW SIGN 401.
IN 8 INSTALLATIONS
ONE "U" POST PER SIGN

414 QUANTITY REQ'D 1



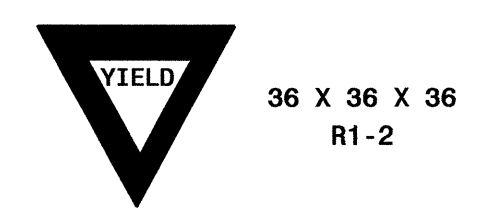
24" X 24"
W11-1
ONE "U" POST PER SIGN

419 QUANTITY REQ'D 1



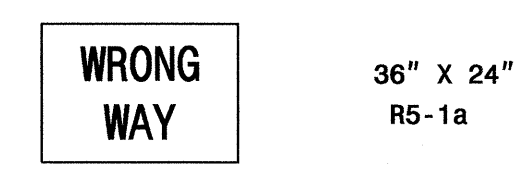
24" X 24"
R3-2
ONE "U" POST PER SIGN

404 QUANTITY REQ'D 14



36 X 36 X 36
R1-2
ONE "U" POST PER SIGN

410 QUANTITY REQ'D 4



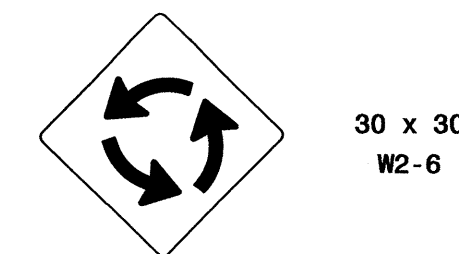
36" X 24"
R5-1a
ONE "U" POST PER SIGN

415 QUANTITY REQ'D 1



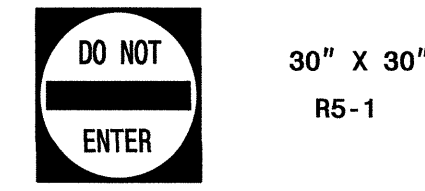
18" X 24"
W16-1P
ONE "U" POST PER SIGN

405 QUANTITY REQ'D 7



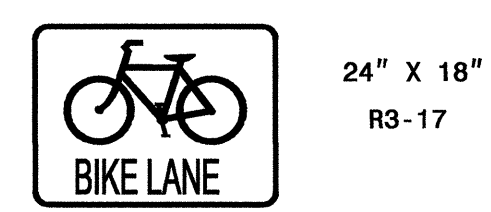
30 X 30
W2-6
ONE "U" POST PER SIGN

411 QUANTITY REQ'D 2



30" X 30"
R5-1
ONE "U" POST PER SIGN

416 QUANTITY REQ'D 2



24" X 18"
R3-17
ONE "U" POST PER SIGN

TYPE "E" SIGNS

S:\S&D\11-22-11 R5000 ROW Submittal to NCDOT & Cer-dno\Proj\Signing\R-5000-Sheets_quantities.dgn
 03-Jul-2012 14:54
 S:\S&D\11-22-11 R5000 ROW Submittal to NCDOT & Cer-dno\Proj\Signing\R-5000-Sheets_quantities.dgn
 03-Jul-2012 14:54

TIP NO. R-5000	SHEET NO. SIGN-3A
APPROVED: <i>R.W.K.</i>	
DATE: 7/3/12	
SEAL	

SIGN NUMBER: 101 TYPE: A QUANTITY: 1 SIGN WIDTH: 13'-6" HEIGHT: 5'-6" TOTAL AREA: 74.3 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 9" NO. Z BARS: 2 LENGTH: 154.0 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.	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: J.Navarrete PROJECT ID: R-5000 CHECKED BY: DIV: 14 DATE: Mar 06, 2012
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Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size Text Length
E	v	a	n	s	R	o	a	d							EM 2000 130.8
15.6	12	12.9	14.1	12.7	8.8	1.1	22.2	13.2	12	12.9	8.8	15.6			
	1/2		M	I	L	E									E 2000 65.1
48.5	22	10	12	4.4	9.2	7.5	48.5								

FILENAME: R-5000_guidesgn NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 102 TYPE: A QUANTITY: 1 SIGN WIDTH: 16'-6" HEIGHT: 6'-0" TOTAL AREA: 99.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 9" NO. Z BARS: 2 LENGTH: 190.0 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.	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: J.Navarrete PROJECT ID: R-5000 CHECKED BY: DIV: 14 DATE: Mar 06, 2012
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Spacing Factor is 1 unless specified otherwise


LETTER POSITIONS

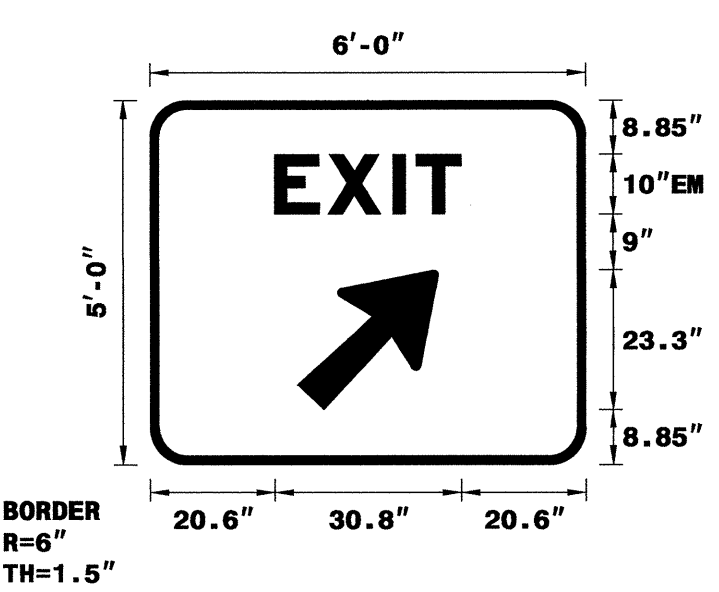
Letter spacings are to start of next letter															Series/Size Text Length				
S	o	u	t	h	w	e	s	t	e	r	n				EM 2000 115.7				
41.2	11	10.6	10.2	9	10.1	13	9.2	9.3	8	10.3	7.9	7	41.2						
	C	o	m	m	u	n	i	t	y	C	o	l	l	e	g	e	EM 2000 168.4		
14.8	10.7	10.6	16	16	11.3	11.3	5.3	7.8	9.1	10	10.7	10.6	6.4	5.5	9.4	10.4	7.1	14.8	
	N	E	X	T	R	I	G	H	T										E 2000 71
63.5	8.6	7.1	7.8	6	8	8.1	3.3	8.3	7.8	6	63.5								

FILENAME: R-5000_guidesgn NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN DESIGN DETAIL


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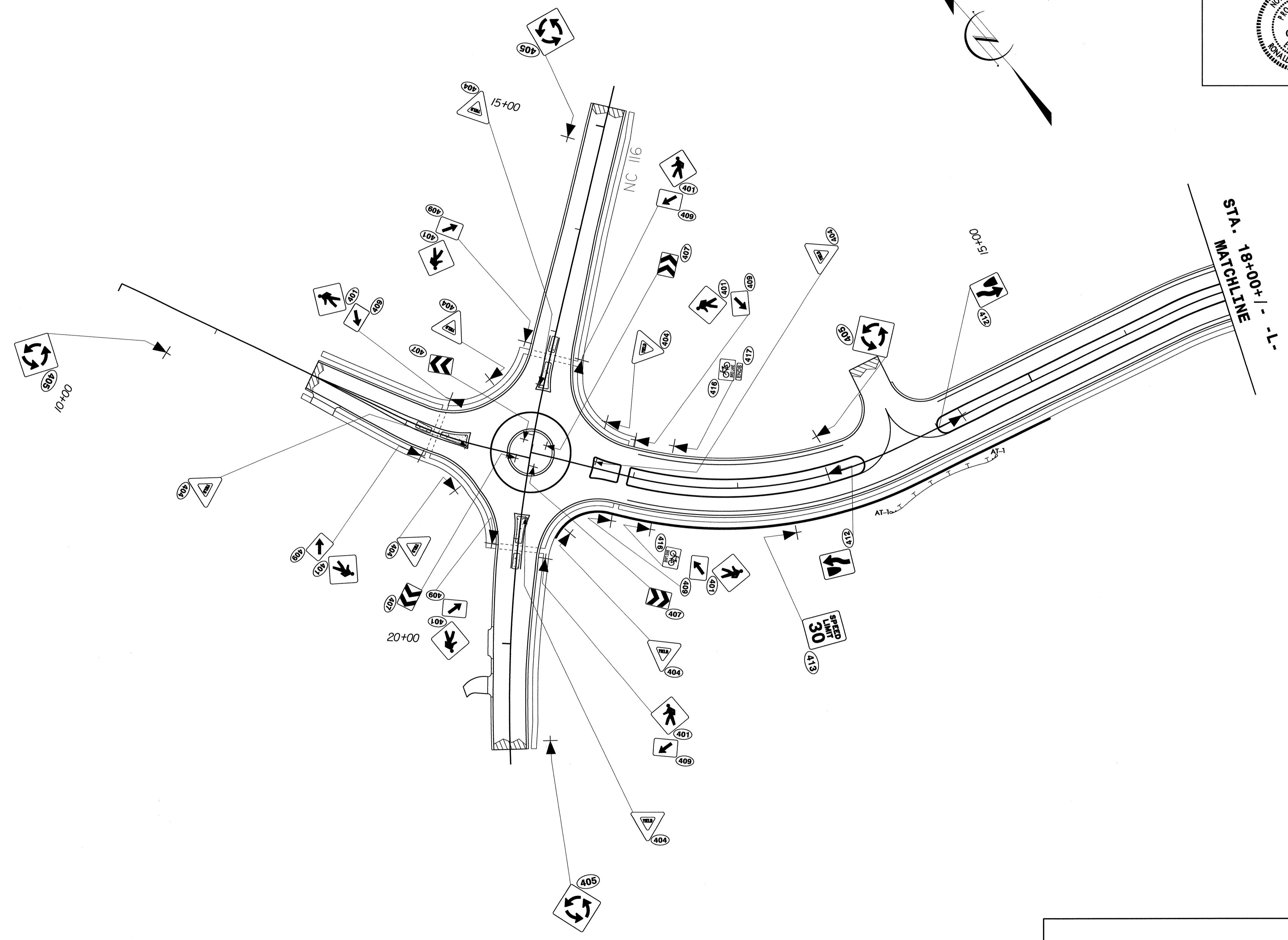
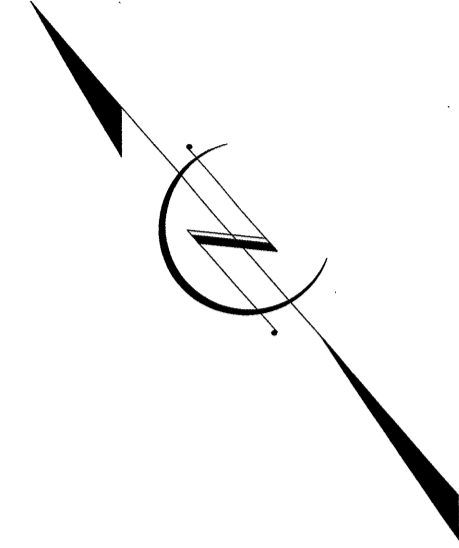
TIP NO. R-5000	SHEET NO. SIGN-3C
APPROVED: <i>RW</i>	
DATE: 7/3/12	
SEAL	
	

SIGN NUMBER: 201 TYPE: A QUANTITY: 1 SIGN WIDTH: 6'-0" HEIGHT: 5'-0" TOTAL AREA: 30.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADIUS: 6" NO. Z BARS: 2 LENGTH: 64.0	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 A</td> <td>24.4</td> <td>8.9</td> <td>18.8</td> <td>29.5</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	AR_Type A	24.4	8.9	18.8	29.5																																									DESIGN BY: J.Navarrete PROJECT ID: R-5000 CHECKED BY: DIV: 14 DATE: Jun 12, 2012									
SYMBOL	X	Y	WID	HT																																																									
AR_Type A	24.4	8.9	18.8	29.5																																																									
USE NOTES: 1,2,3 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.	 <p>BORDER R=6" TH=1.5"</p> <p>Spacing Factor is 1 unless specified otherwise</p>																																																												
LETTER POSITIONS Letter spacings are to start of next letter																																																													
<table border="1"> <thead> <tr> <th>Series/Size</th> <th>Text Length</th> </tr> </thead> <tbody> <tr> <td>EM 2000</td> <td>30.8</td> </tr> </tbody> </table>		Series/Size	Text Length	EM 2000	30.8	<table border="1"> <thead> <tr> <th>E</th> <th>X</th> <th>I</th> <th>T</th> <th> </th> </tr> </thead> <tbody> <tr> <td>20.6</td> <td>8.8</td> <td>10.8</td> <td>3.8</td> <td>7.4</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	E	X	I	T		20.6	8.8	10.8	3.8	7.4																																													
Series/Size	Text Length																																																												
EM 2000	30.8																																																												
E	X	I	T																																																										
20.6	8.8	10.8	3.8	7.4																																																									
FILENAME: R-5000_guidesgn		NORTH CAROLINA D.O.T. SIGN DETAIL																																																											

SIGN DESIGN DETAIL

03-JUL-2012 09:45:52 PROJECTS\R-5000\11-22-11 R5000 ROW Submitted to NCDOT & Cardno\Proj\Signing\R-5000_guidesgn.dgn
 J.Navarrete AT 246703

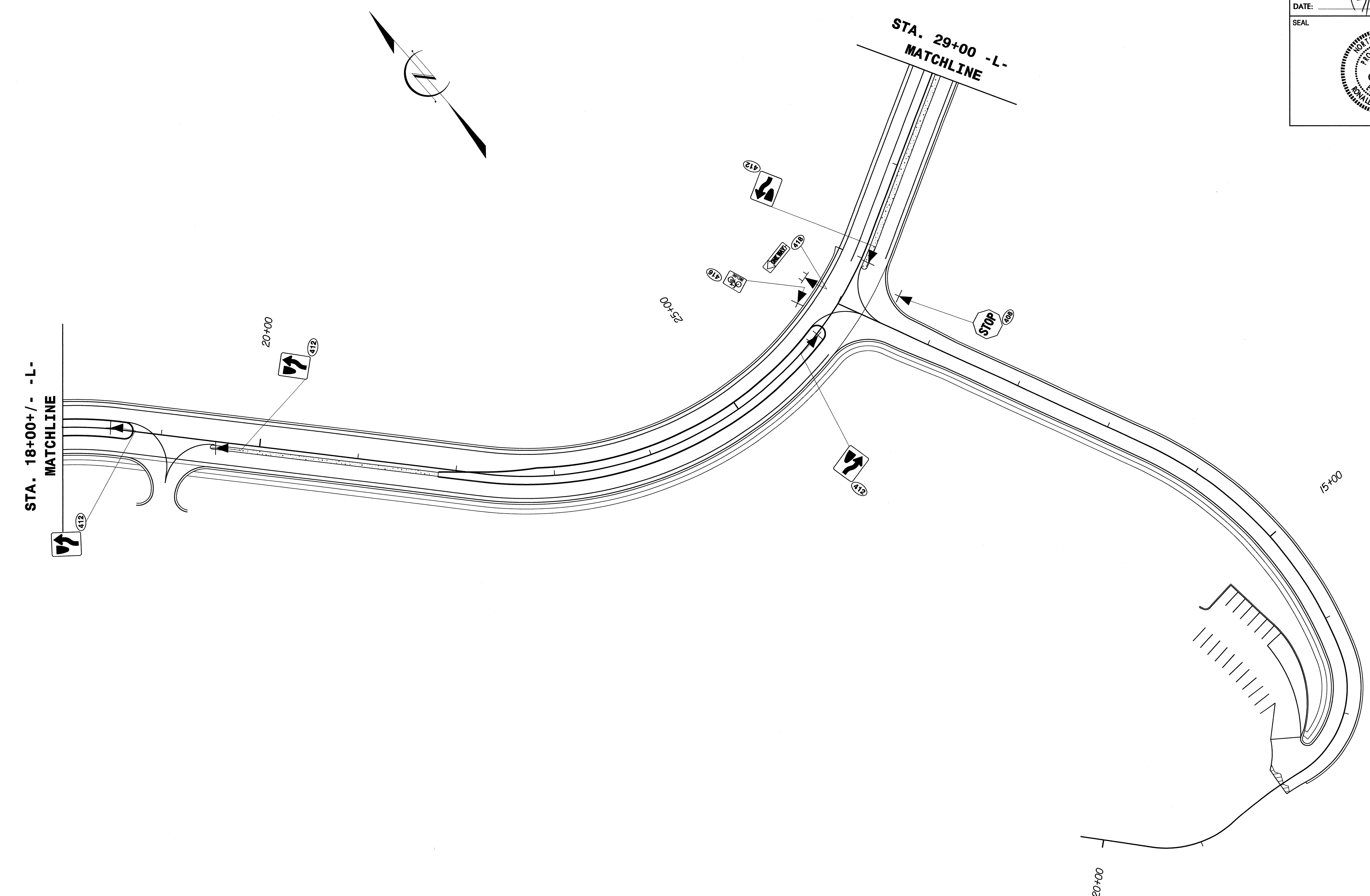
TIP NO. R-5000	SHEET NO. SIGN-4
APPROVED: <i>RW</i>	
DATE: 7/3/12	
SEAL	
	



SIGN DESIGN DETAIL


03-2012-07-29-1559
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 11-22-11 11:24:03

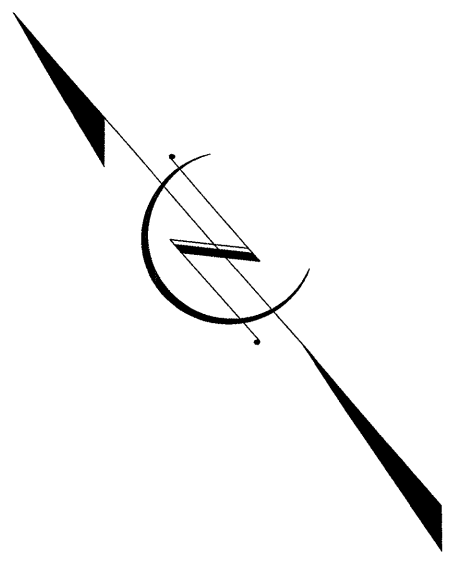
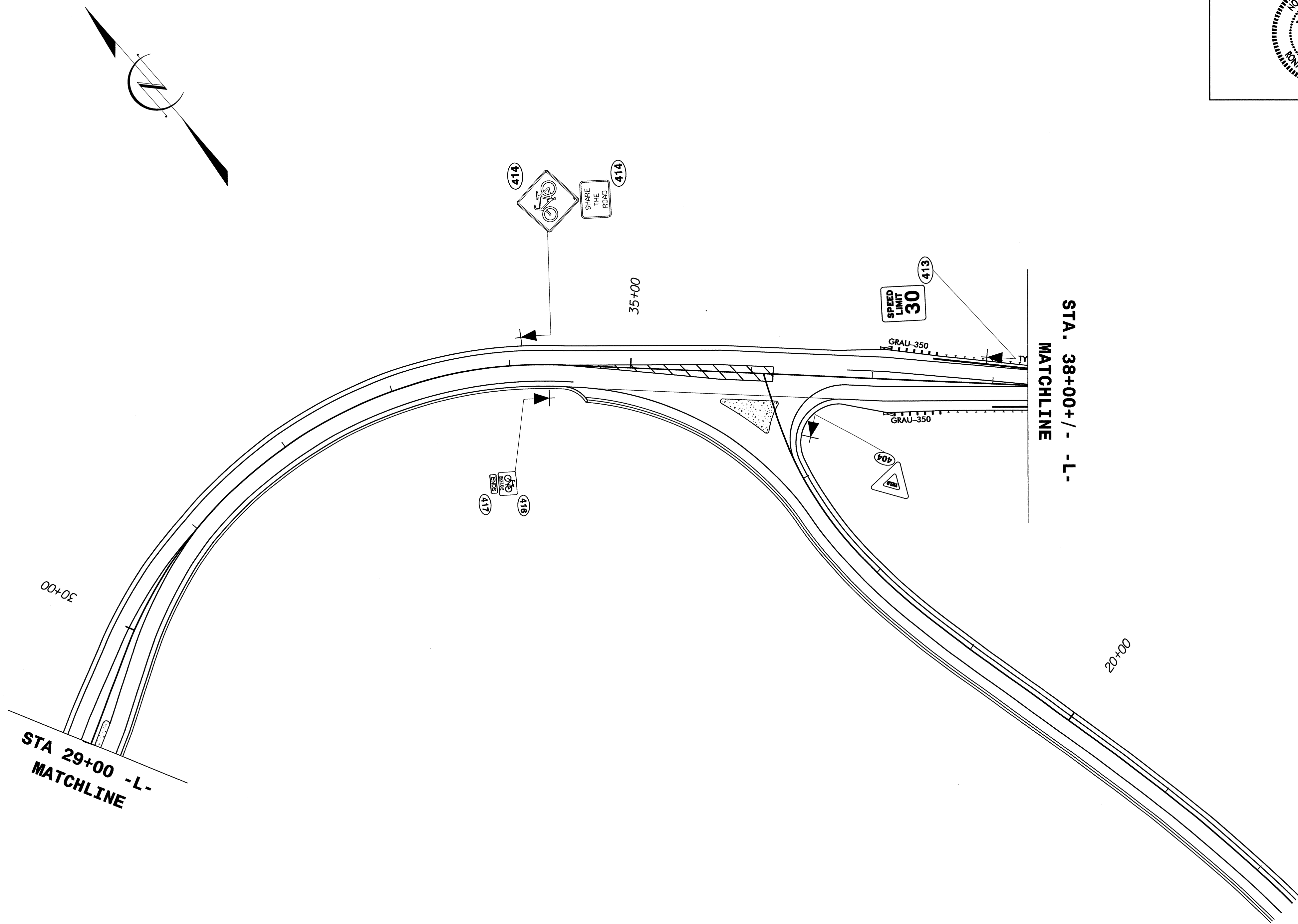
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APPROVED: <i>[Signature]</i>	
DATE: 7/3/12	
SEAL	



SIGN DESIGN DETAIL


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 jmaurice

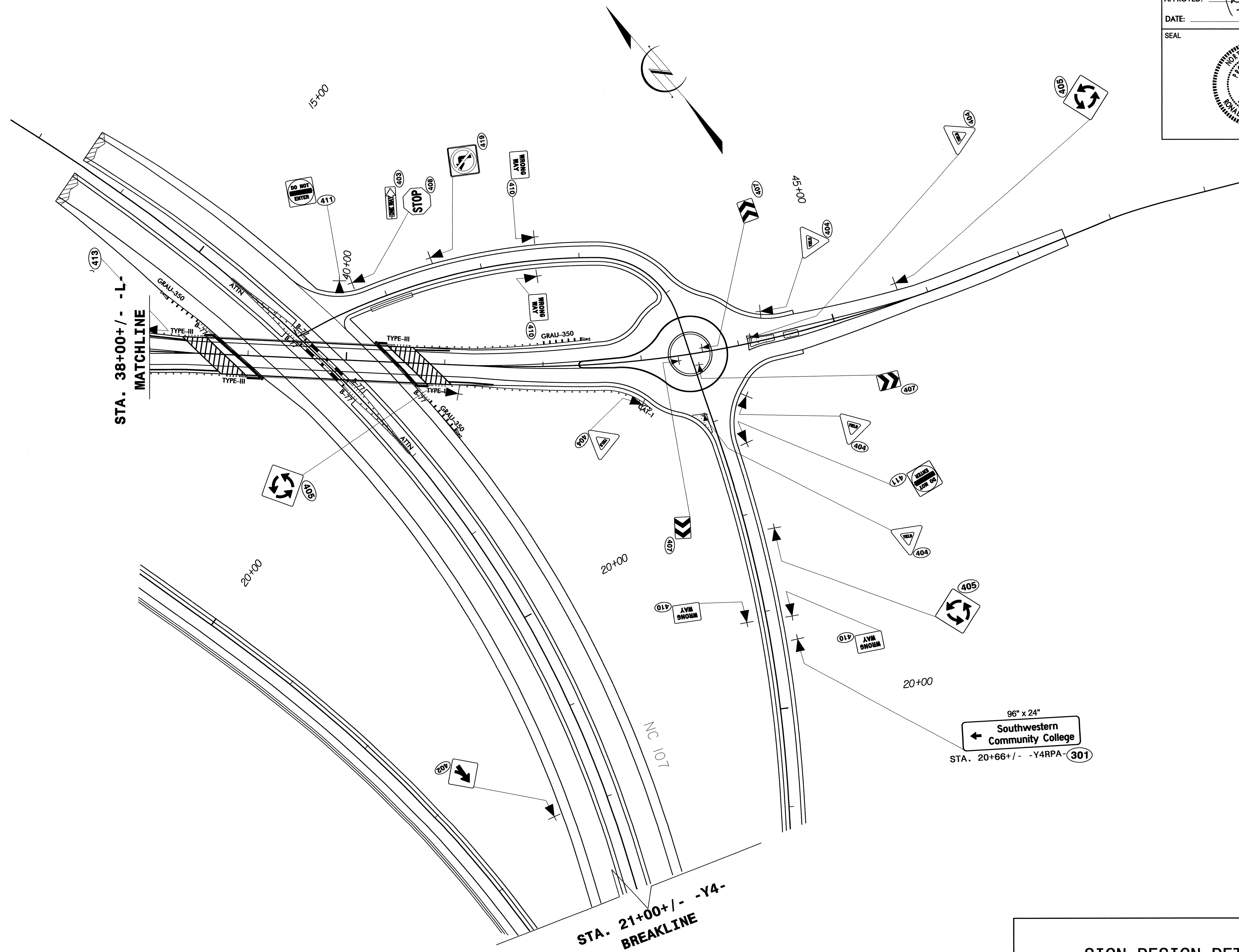
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APPROVED: <i>[Signature]</i>	
DATE: 7/3/12	
SEAL	
	



SIGN DESIGN DETAIL

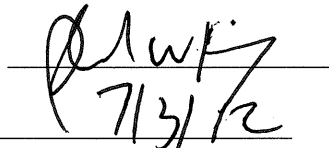
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 jms\nw@ncs.com

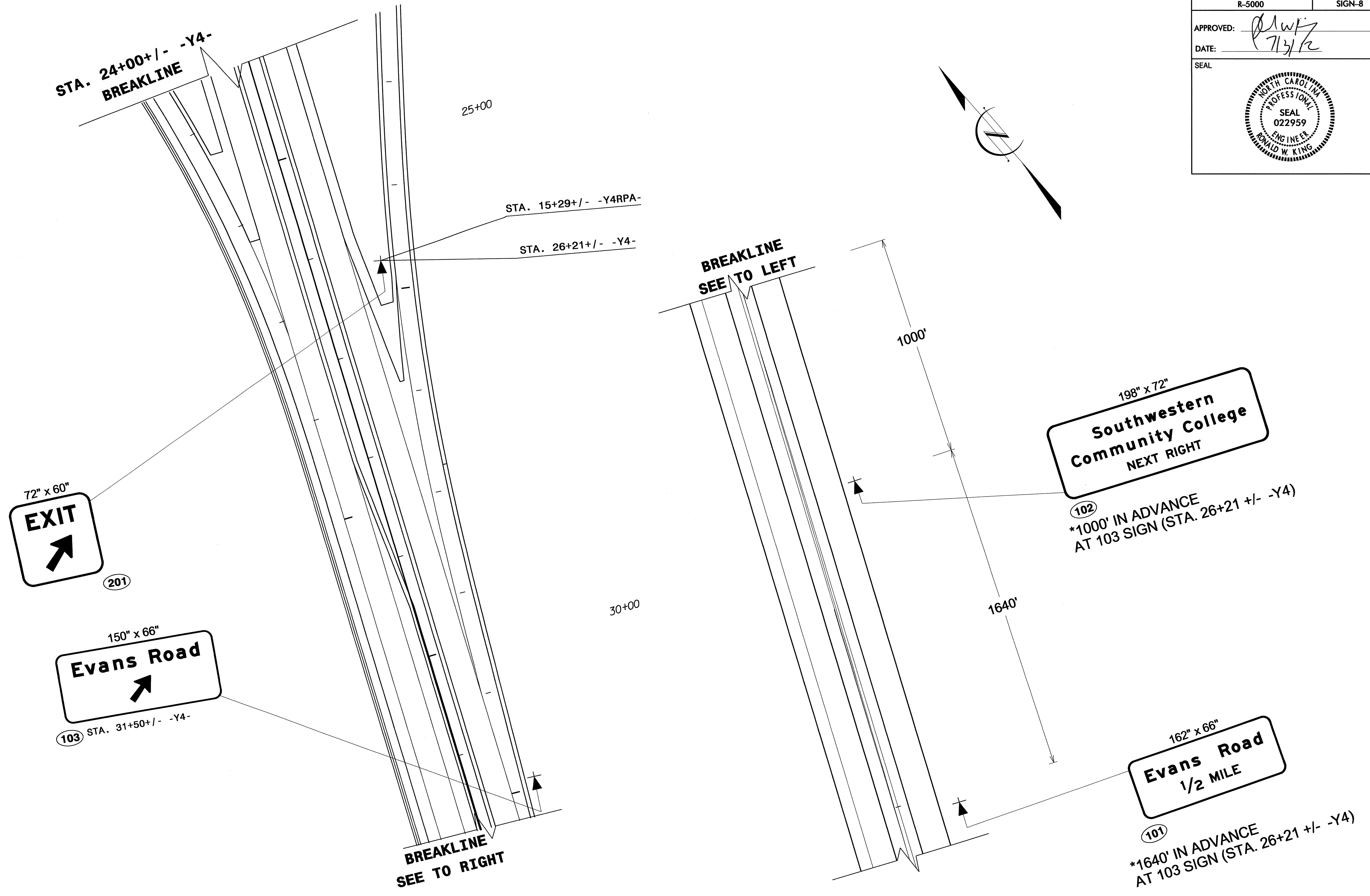
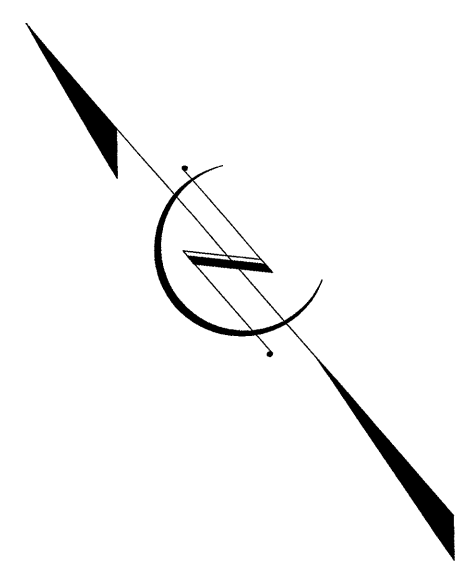
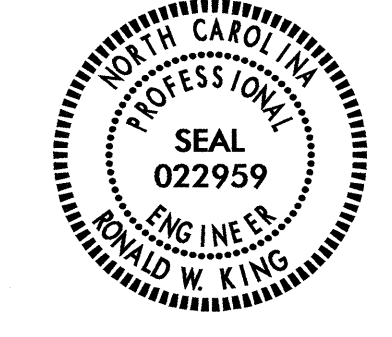
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APPROVED: <i>[Signature]</i>	
DATE: 7/31/12	
SEAL	
	



SIGN DESIGN DETAIL

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 11-22-11 R5000 11-22-11 R5000

TIP NO. R-5000	SHEET NO. SIGN-8
APPROVED: 	
DATE: 7/3/12	
SEAL	



SIGN DESIGN DETAIL

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