


TIP NO. R-2814B	SHEET NO. SIGN-1
APPROVED: _____	
DATE: _____	
SEAL	
	

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS  
WAKE COUNTY**

**LOCATION: US 401 ROLESVILLE BYPASS FROM SR 2225,  
LOUISBURY ROAD TO NC 96, ZEBULON**

**T.I.P.: R-2814B**

**CONTRACT: C202583**

**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
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
- . A NEW "BUSINESS" PANEL WILL BE INSTALLED ON EXISTING NORTHBOUND US 401 ON AN EXISTING ROUTE MARKER ASSEMBLY. THIS LOCATION IS NOT SHOWN ON THE PLANS, BUT IT IS 500+/- FEET NORTH OF THE INTERSECTION OF US 401 AND WILLIAMS STREET.
- . 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. SEE TRAFFIC CONTROL PLANS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . 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.	DESC. NO.	SECT. NO.	ITEM DESCRIPTION	QUANTITY	UNIT
4072000000	903		SUPPORTS, 3 LB STEEL U-CHANNEL	3714	L.F.
4078000000	903		SUPPORTS, 2 LB STEEL U-CHANNEL	8	EA.
4096000000	904		SIGN ERECTION, TYPE D	13	EA.
4102000000	904		SIGN ERECTION, TYPE E	100	EA.
4108000000	904		SIGN ERECTION, TYPE F	48	EA.
4116100000	904		SIGN ERECTION, RELOCATE SIGN TYPE E	1	EA.
4155000000	907		DISPOSAL OF SIGN SYSTEM, U-CHANNEL	30	EA.
4192000000	907		DISPOSAL OF SUPPORT, U-CHANNEL	1	EA.

**INDEX**

SHEET NO.	DESCRIPTION
SIGN - 1	TITLE SHEET - SUMMARY OF QUANTITIES, ROADWAY STANDARD DRAWINGS, INDEX, & NOTES
SIGN - 2-4	SIGN DESIGN SHEETS
SIGN - 5	"E" SHEET
SIGN - 6	"F" SHEET
SIGN - 7-25	SIGN ROADWAY SHEETS

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

SUSAN B. KUNZ    SIGNING & DELINEATION REGIONAL ENGINEER

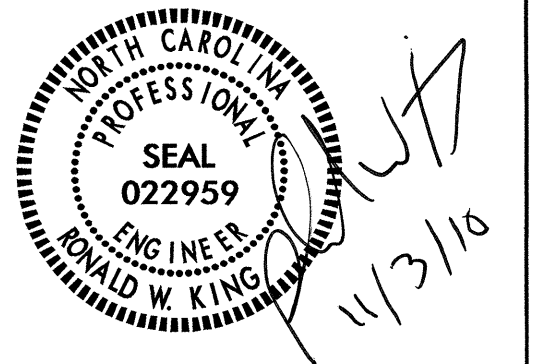
STACEY JOHNS    SIGNING & DELINEATION DESIGN ENGINEER

18-10112-2010 11:40 AM I:\2814B\Traffic\Signing\CADD\Signing Layout Plans\Titlesheet.dgn  
stjohns

APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_

SEAL



SIGN NUMBER: 301,303,305    BACKG COLOR: Green  
 TYPE: D    COPY COLOR: White    DESIGN BY: S JOHNS    CHECKED BY: S KUNZ    DATE: Oct 04, 2010  
 QUANTITY: 3    PROJECT ID: R-2814B    DIV: 5

SYMBOL	X	Y	WID	HT
ARUP	8.1	8	8	12

SIGN WIDTH: 8'-0"  
 HEIGHT: 2'-0"  
 TOTAL AREA: 16.0 Sq.Ft.

BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 1"  
 RADII: 3"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS: \_\_\_\_\_  
 LENGTH: \_\_\_\_\_

USE NOTES: 1,2

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	R	O	L	E	S	V	I	L	L	E		Series/Size Text Length	
	28.1	6.6	7.4	6.2	5.8	6.1	7.3	3.2	6.2	6.2	5	8.1	D 2000 59.8

FILENAME: R-2814BSIGNS    NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 307    BACKG COLOR: Green  
 TYPE: D    COPY COLOR: White    DESIGN BY: S JOHNS    CHECKED BY: S KUNZ    DATE: Oct 26, 2010  
 QUANTITY: 1    PROJECT ID: R-2814B    DIV: 5

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 8'-0"  
 HEIGHT: 3'-0"  
 TOTAL AREA: 24.0 Sq.Ft.

BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 1"  
 RADII: 6"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS: \_\_\_\_\_  
 LENGTH: \_\_\_\_\_

USE NOTES: 1, 2

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	R	O	L	E	S	V	I	L	L	E		Series/Size Text Length	
	8	7.9	7.9	4.1	6.9	6.9	8.5	4.8	4.8	4.1	5.3	26.8	EM 2000 61.1
	3												EM 2000 6.5
	81.5	6.5	8										EM 2000 46.1
	8	7.9	8.5	4.1	7.8	4.1	8.5	5.3	41.9				EM 2000 10.8

FILENAME: R-2814BSIGNS    NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302,304,306    BACKG COLOR: Green  
 TYPE: D    COPY COLOR: White    DESIGN BY: S JOHNS    CHECKED BY: S KUNZ    DATE: Oct 04, 2010  
 QUANTITY: 3    PROJECT ID: R-2814B    DIV: 5

SYMBOL	X	Y	WID	HT
ARUP	75.9	8	8	12

SIGN WIDTH: 8'-0"  
 HEIGHT: 2'-0"  
 TOTAL AREA: 16.0 Sq.Ft.

BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 1"  
 RADII: 3"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS: \_\_\_\_\_  
 LENGTH: \_\_\_\_\_

USE NOTES: 1,2

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	R	O	L	E	S	V	I	L	L	E		Series/Size Text Length	
	8.1	6.6	7.4	6.2	5.8	6.1	7.3	3.2	6.2	6.2	5	28.1	D 2000 59.8

FILENAME: R-2814BSIGNS    NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 308    BACKG COLOR: Green  
 TYPE: D    COPY COLOR: White    DESIGN BY: S JOHNS    CHECKED BY: S KUNZ    DATE: Oct 26, 2010  
 QUANTITY: 1    PROJECT ID: R-2814B    DIV: 5

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 5'-6"  
 HEIGHT: 2'-6"  
 TOTAL AREA: 13.8 Sq.Ft.

BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 0.75"  
 RADII: 3"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS: \_\_\_\_\_  
 LENGTH: \_\_\_\_\_

USE NOTES: 1, 2

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

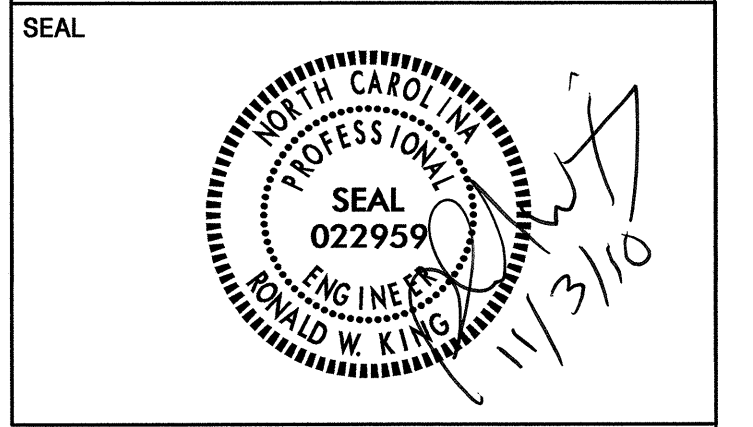
	Z	e	b	u	l	o	n					Series/Size Text Length
	6.2	5.9	5.8	5.8	6.4	3.1	5.9	4	22.9			EM 2000 36.9
	1	1										EM 2000 5.2
	54.6	3.4	1.8	6.2								EM 2000 28
	6.2	6.2	5.8	3.6	8.5	4	31.7					EM 2000 10.6

FILENAME: R-2814BSIGNS    NORTH CAROLINA D.O.T. SIGN DETAIL

# SIGN DESIGNS

02-NOV-2010 10:45  
 N:\TIP\Projects\R-2814B\Traffic\Signing\CADD\Sign Designs\R-2814BSIGNS.dgn  
 sjohns    AT 11/24/10

APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_



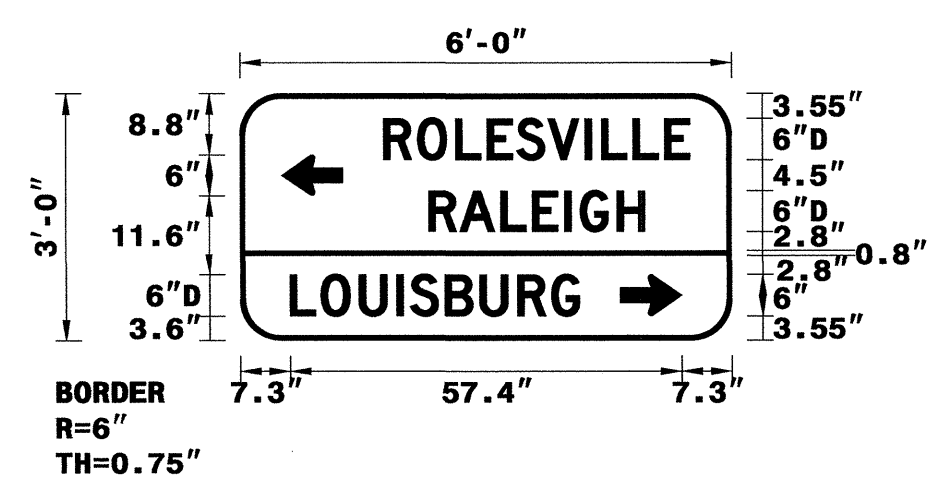
**SIGN NUMBER:** 309  
**TYPE:** D  
**QUANTITY:** 1  
**SIGN WIDTH:** 6'-0"  
**HEIGHT:** 3'-0"  
**TOTAL AREA:** 18.0 Sq.Ft.

**BACKG COLOR:** Green  
**COPY COLOR:** White

SYMBOL	X	Y	WID	HT
ARUP	6.1	21.2	6	9
ARUP	55.7	3.6	6	9

**DESIGN BY:** S. JOHNS  
**PROJECT ID:** R-2814B  
**CHECKED BY:** S. KUNZ  
**DIV:** 5  
**DATE:** Oct 25, 2010

**MAT'L:** 0.125" (3.2 mm) ALUMINUM



**USE NOTES:**

- Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
- 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	44.9
D 2000	31.7
D 2000	42.4

FILENAME: R-2814BSIGNS NORTH CAROLINA D.O.T. SIGN DETAIL

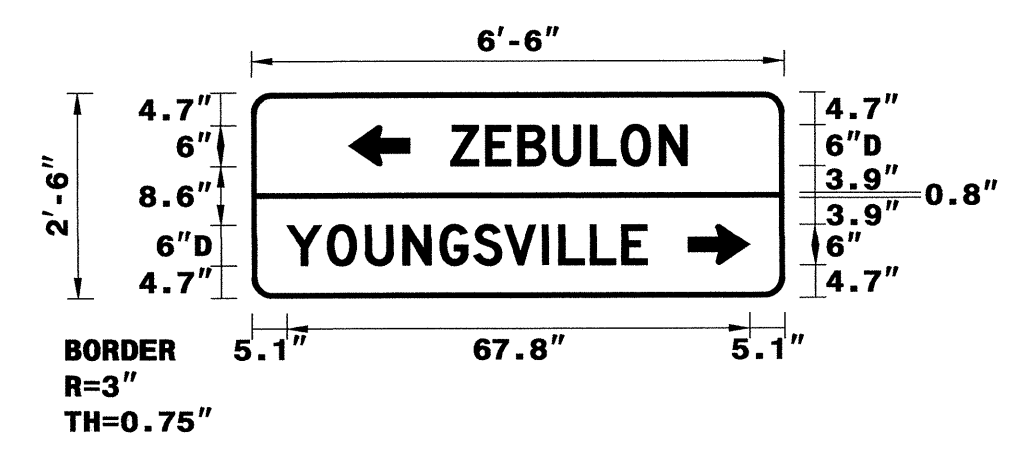
**SIGN NUMBER:** 311  
**TYPE:** D  
**QUANTITY:** 1  
**SIGN WIDTH:** 6'-6"  
**HEIGHT:** 2'-6"  
**TOTAL AREA:** 16.3 Sq.Ft.

**BACKG COLOR:** Green  
**COPY COLOR:** White

SYMBOL	X	Y	WID	HT
ARUP	14.2	19.3	6	9
ARUP	63.9	4.7	6	9

**DESIGN BY:** S. JOHNS  
**PROJECT ID:** R-2814B  
**CHECKED BY:** S. KUNZ  
**DIV:** 5  
**DATE:** Oct 25, 2010

**MAT'L:** 0.125" (3.2 mm) ALUMINUM



**USE NOTES:** 1, 2

- Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
- 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	34.6
D 2000	52.8

FILENAME: R-2814BSIGNS NORTH CAROLINA D.O.T. SIGN DETAIL

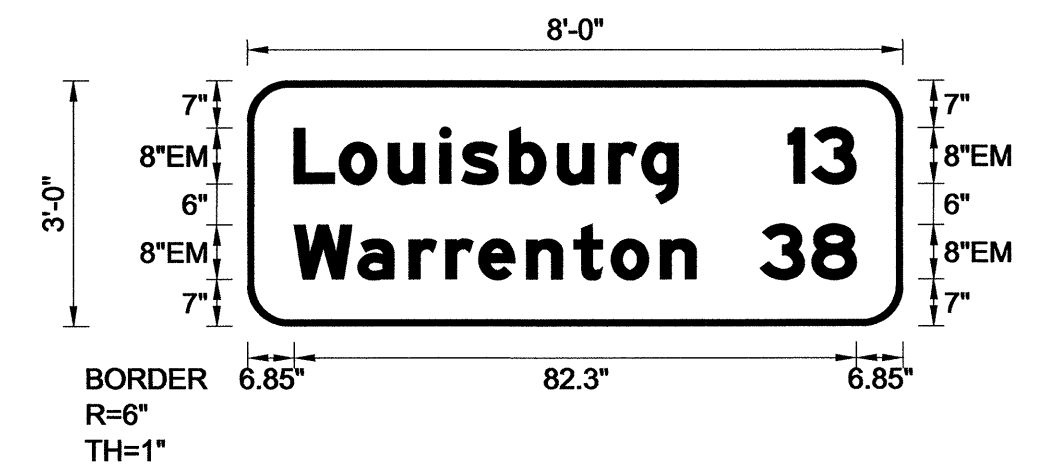
**SIGN NUMBER:** 310  
**TYPE:** D  
**QUANTITY:** 1  
**SIGN WIDTH:** 8'-0"  
**HEIGHT:** 3'-0"  
**TOTAL AREA:** 24.0 Sq.Ft.

**BACKG COLOR:** Green  
**COPY COLOR:** White

SYMBOL	X	Y	WID	HT
ARUP				

**DESIGN BY:** S. JOHNS  
**PROJECT ID:** R-2814B  
**CHECKED BY:** S. KUNZ  
**DIV:** 5  
**DATE:** Oct 05, 2010

**MAT'L:** 0.125" (3.2 mm) ALUMINUM



**USE NOTES:** 1, 2

- Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
- 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
EM 2000	56.2
EM 2000	9.9
EM 2000	58.9
EM 2000	14.1

FILENAME: R-2814BSIGNS NORTH CAROLINA D.O.T. SIGN DETAIL

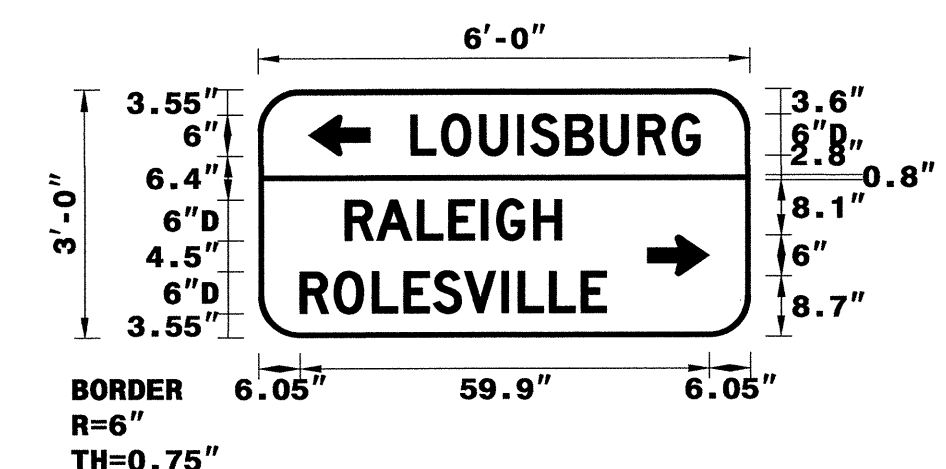
**SIGN NUMBER:** 312  
**TYPE:** D  
**QUANTITY:** 1  
**SIGN WIDTH:** 6'-0"  
**HEIGHT:** 3'-0"  
**TOTAL AREA:** 18.0 Sq.Ft.

**BACKG COLOR:** Green  
**COPY COLOR:** White

SYMBOL	X	Y	WID	HT
ARUP	7.3	26.4	6	9
ARUP	56.9	8.8	6	9

**DESIGN BY:** S. JOHNS  
**PROJECT ID:** R-2814B  
**CHECKED BY:** S. KUNZ  
**DIV:** 5  
**DATE:** Oct 25, 2010

**MAT'L:** 0.125" (3.2 mm) ALUMINUM



**USE NOTES:** 1, 2

- Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
- 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	42.4
D 2000	31.7
D 2000	44.9

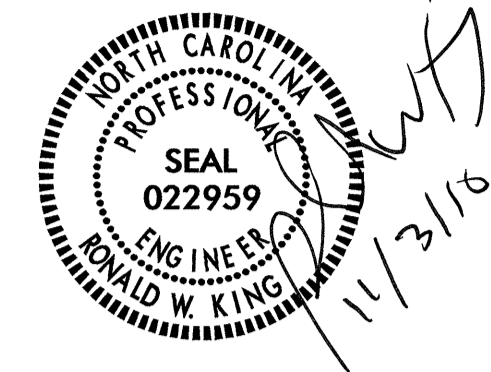
FILENAME: R-2814BSIGNS NORTH CAROLINA D.O.T. SIGN DETAIL

02-NOV-2010 10:45 AM N:\TIP-Proj\signing\CADDD\Sign Designs\R-2814BSIGNS.dgn sjohns HI 12/27/10

APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_

SEAL



<p>SIGN NUMBER: 313 TYPE: D QUANTITY: 1 SIGN WIDTH: 8'-0" HEIGHT: 3'-0" TOTAL AREA: 24.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1" RADIUS: 6" NO. Z BARS: LENGTH:</p>	<p>BACKG COLOR: Green COPY COLOR: White</p> <table border="1"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr> <td>ARUP</td> <td>5.9</td> <td>22.8</td> <td>8</td> <td>12</td> </tr> <tr> <td>ARUP</td> <td>69.1</td> <td>5.3</td> <td>8</td> <td>12</td> </tr> </table> <p>MAT'L: 0.125" (3.2 mm) ALUMINUM</p>	SYMBOL	X	Y	WID	HT	ARUP	5.9	22.8	8	12	ARUP	69.1	5.3	8	12	<p>DESIGN BY: S JOHNS PROJECT ID: R-2814B</p> <p>CHECKED BY: S KUNZ DIV: 5</p> <p>DATE: Oct 28, 2010</p>
SYMBOL	X	Y	WID	HT													
ARUP	5.9	22.8	8	12													
ARUP	69.1	5.3	8	12													

Spacing Factor is 1 unless specified otherwise

**LETTER POSITIONS**

Letter spacings are to start of next letter													Series/Size	
	Y	O	U	N	G	S	V	I	L	L	E		Text Length	
	23.9	7.6	6.9	6.8	6.7	6.3	5.9	6.9	2.6	5.8	5.8	5	5.9	D 2000 66.2
		Z	E	B	U	L	O	N						D 2000 46.2
	14.9	6.8	6.3	6.8	7.4	6	7.4	5.4	34.9					

FILENAME: R-2814BSIGNS NORTH CAROLINA D.O.T. SIGN DETAIL

TIP NO. R-2814B SHEET NO. SIGN-5

APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_

SEAL

401 QUANTITY REQ'D 1

36 X 36  
W3-1a

ONE "U" POST PER SIGN

407 QUANTITY REQ'D 13

36 X 36  
R1-1

MOUNT BELOW SIGN 403  
IN 6 INSTALLATIONS

OTHER INSTALLATIONS  
ONE "U" POST PER SIGN

414 QUANTITY REQ'D 2

30 X 36  
R2-1

TWO "U" POSTS PER SIGN

423 QUANTITY REQ'D 1

30 X 36  
R2-1

ONE "U" POST PER SIGN

429 QUANTITY REQ'D 2

36 X 36  
R3-7

ONE "U" POST PER SIGN

430 QUANTITY REQ'D 5

48 X 48  
W3-2

TWO "U" POSTS PER SIGN

402 QUANTITY REQ'D 2

18 X 6  
SEE SIGN DESIGN  
THIS SHEET

MOUNT BELOW SIGN 407  
IN 2 INSTALLATIONS

408 QUANTITY REQ'D 1

36 X 36  
W14-2

ONE "U" POST PER SIGN

415 QUANTITY REQ'D 10

36 X 36 X 36  
R1-2

ONE "U" POST PER SIGN

424 QUANTITY REQ'D 1

36 X 36  
W1-1aL

ONE "U" POST PER SIGN

SIGN NUMBER: 402 BACKG COLOR: Red  
TYPE: E COPY COLOR: White

QUANTITY: 1

SIGN WIDTH: 1'-6" HEIGHT: 0'-6" TOTAL AREA: 0.8 Sq.Ft.

BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.5" RADII: 1.5"

NO. Z BARS: LENGTH:

DESIGN BY: S JOHNS CHECKED BY: S KUNZ DATE: Oct 28, 2010  
PROJECT ID: R-2814B DIV: 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.

LETTER POSITIONS

Letter spacings are to start of next letter							Series/Size
S	O	F	T				Text Length
3.9	2.1	1.8	3	1.7	1.5	3.9	C 2000
							10.1

FILENAME: R-28148SIGNS NORTH CAROLINA D.O.T. SIGN DETAIL

403 QUANTITY REQ'D 8

54 X 18  
R6-1 (R)

TWO "U" POSTS PER SIGN

411 QUANTITY REQ'D 8

54 X 18  
R6-1 (L)

TWO "U" POSTS PER SIGN

416 QUANTITY REQ'D 1

36 X 36  
W14-2

ONE "U" POST PER SIGN

425 QUANTITY REQ'D 1

36 X 36  
W1-1aR

ONE "U" POST PER SIGN

405 QUANTITY REQ'D 2

36 X 48  
R4-7

TWO "U" POSTS PER SIGN

412 QUANTITY REQ'D 11

36 X 48  
R2-1

TWO "U" POSTS PER SIGN

421 QUANTITY REQ'D 1

48 X 24  
W1-7

TWO "U" POSTS PER SIGN

426 QUANTITY REQ'D 8

18 X 18  
OM4-3

ONE "U" POST PER SIGN

406 QUANTITY REQ'D 2

18 X 18  
OM1-3

MOUNT BELOW SIGN 405  
IN 1 INSTALLATIONS

413 QUANTITY REQ'D 16

36 X 36  
W12-1

ONE "U" POST PER SIGN

422 QUANTITY REQ'D 12

36 X 36  
R3-4

ONE "U" POST PER SIGN

427 QUANTITY REQ'D 1

48 X 24  
W1-6R

TWO "U" POSTS PER SIGN

428 QUANTITY REQ'D 1

48 X 24  
W1-6L

TWO "U" POSTS PER SIGN

**TYPE "E" SIGNS**

I:\Projects\2010\1144\_R-28148\Traffic\Signing\CADD\Signing\_Layout\_Plans\T1\sheet.dgn

TIP NO. R-2814B	SHEET NO. SIGN-6
APPROVED: _____	
DATE: _____	
SEAL	

501 513 517 520 521 534

1 - 24 X 12  
1 - 30 X 24

ONE "U" POST PER SIGN

506

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

TWO "U" POSTS PER SIGN

524

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

TWO "U" POSTS PER SIGN

531

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

TWO "U" POSTS PER SIGN

541 545

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

TWO "U" POSTS PER SIGN

502 509 527 538

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

ONE "U" POST PER SIGN

507 511 514 519

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

TWO "U" POSTS PER SIGN

526

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

TWO "U" POSTS PER SIGN

532

1 - 24 X 12  
1 - 24 X 24

ONE "U" POST PER SIGN

543

1 - 24 X 12  
1 - 24 X 12  
1 - 30 X 24

ONE "U" POST PER SIGN

503

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

TWO "U" POSTS PER SIGN

508 512 516 523 535

1 - 24 X 12  
1 - 30 X 24

ONE "U" POST PER SIGN

528 537

1 - 21 X 15  
1 - 24 X 24

ONE "U" POST PER SIGN

533

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

TWO "U" POSTS PER SIGN

546

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

TWO "U" POSTS PER SIGN

504 542 540 544

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

TWO "U" POST PER SIGN

510 515 518 525

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

TWO "U" POSTS PER SIGN

529

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

TWO "U" POSTS PER SIGN

536

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

TWO "U" POSTS PER SIGN

547

1 - 24 X 12  
1 - 30 X 24  
1 - 24 X 24

ONE "U" POST PER SIGN

505

1 - 24 X 12  
1 - 24 X 12  
1 - 30 X 24

ONE "U" POST PER SIGN

522

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

ONE "U" POST PER SIGN

530

1 - 24 X 12  
1 - 24 X 24

ONE "U" POST PER SIGN

539

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

TWO "U" POSTS PER SIGN

548

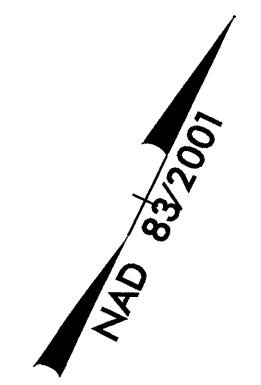
1 - 24 X 12

ONE "U" POST PER SIGN

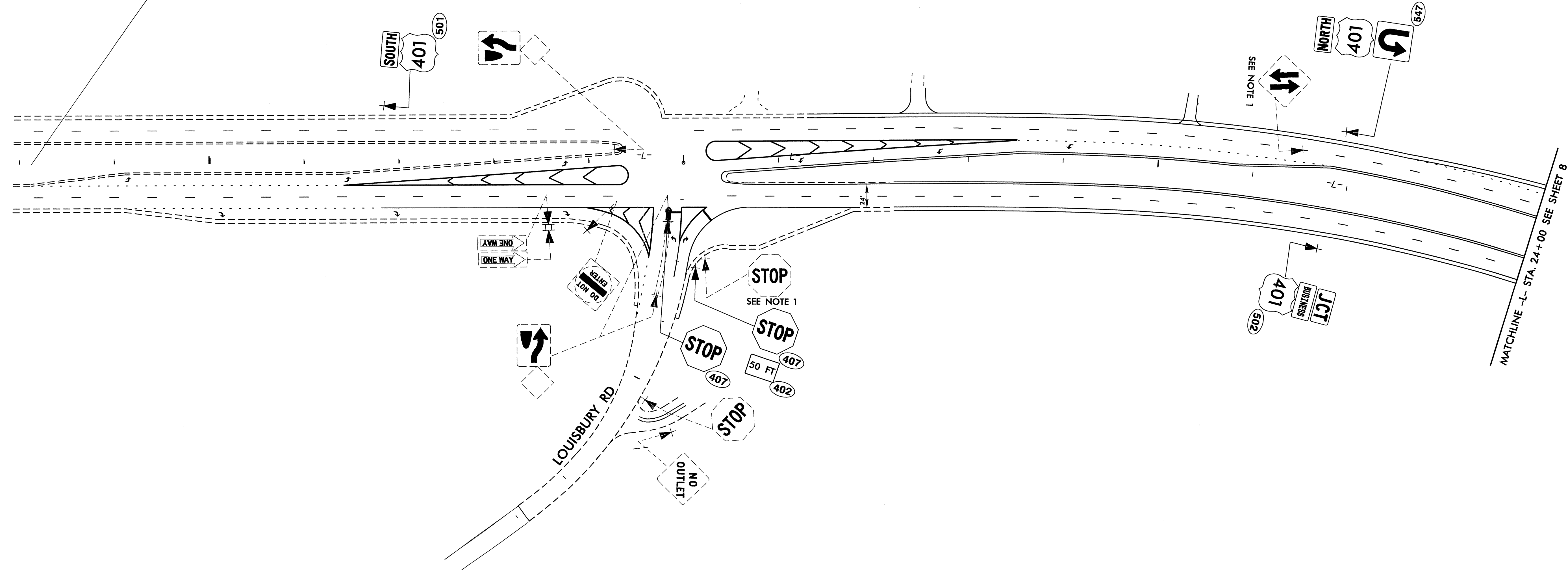
**TYPE "F" SIGNS**

02-NOV-2010 12:28  
 N:\TIP-Profiles\401\401-Traffic-Signing\4000\Signing\_Layout\_Plans\Titlesheet.dgn  
 John A. [unclear]

TIP NO. R-2814B	SHEET NO. SIGN-7
APPROVED: _____	
DATE: _____	
SEAL	



BEGIN STATE SIGNING PROJECT  
R-2814B STA 8+13

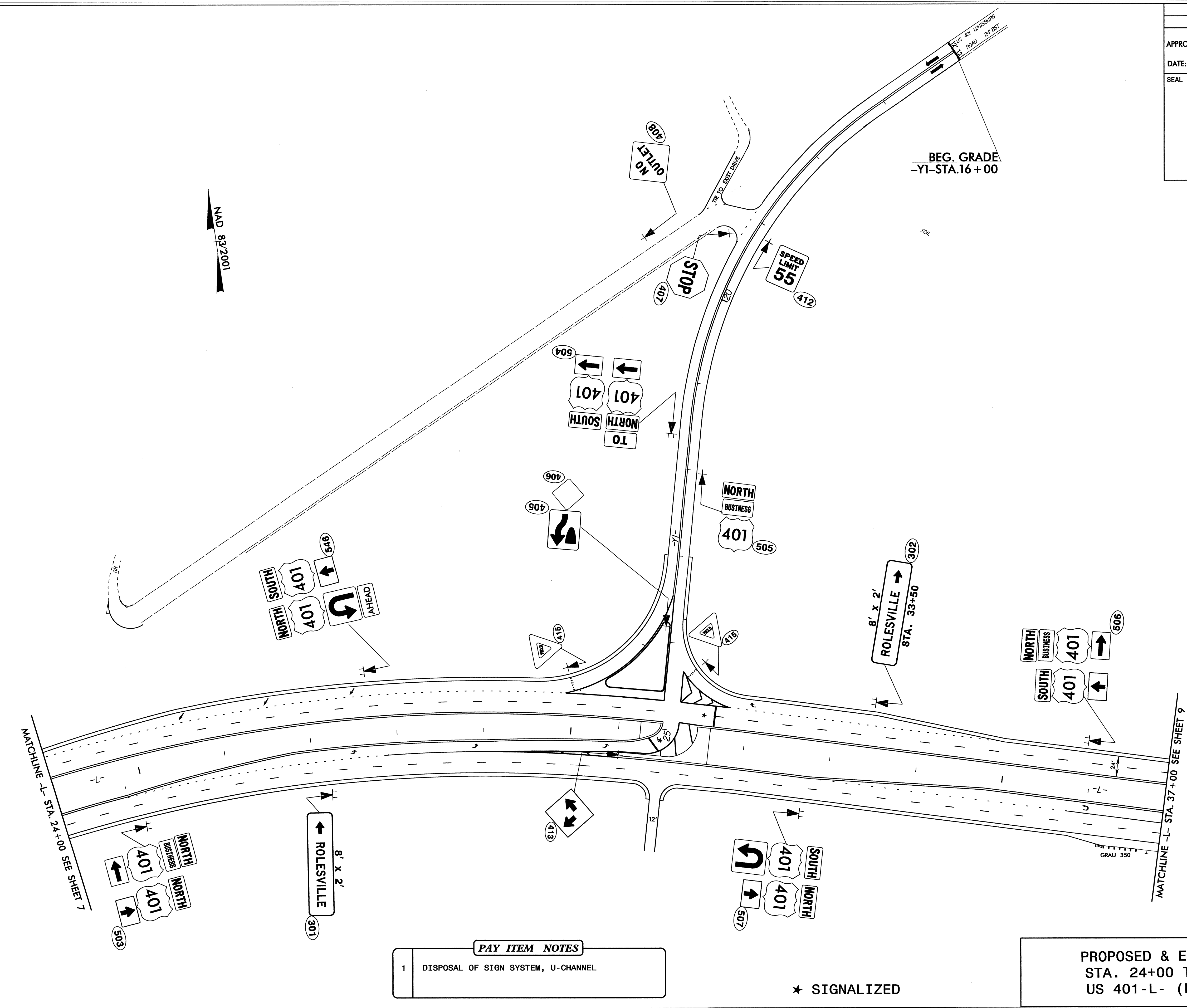


PAY ITEM NOTES	
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

**PROPOSED & EXISTING SIGNS  
STA. 8+13 TO STA. 24+00  
US 401-L- (LOUISBURG RD)**

02-1001-200 (04-17) R2814b Traffic Signing Layout Plans v2814b.rdy.pst4.dgn  
s:\johns\11\247507

TIP NO. R-2814B	SHEET NO. SIGN-8
APPROVED: _____	
DATE: _____	
SEAL	



NAD 83/2001

BEG. GRADE  
-YI-STA.16+00

MATCHLINE -L- STA. 24+00 SEE SHEET 7

MATCHLINE -L- STA. 37+00 SEE SHEET 9

PAY ITEM NOTES	
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

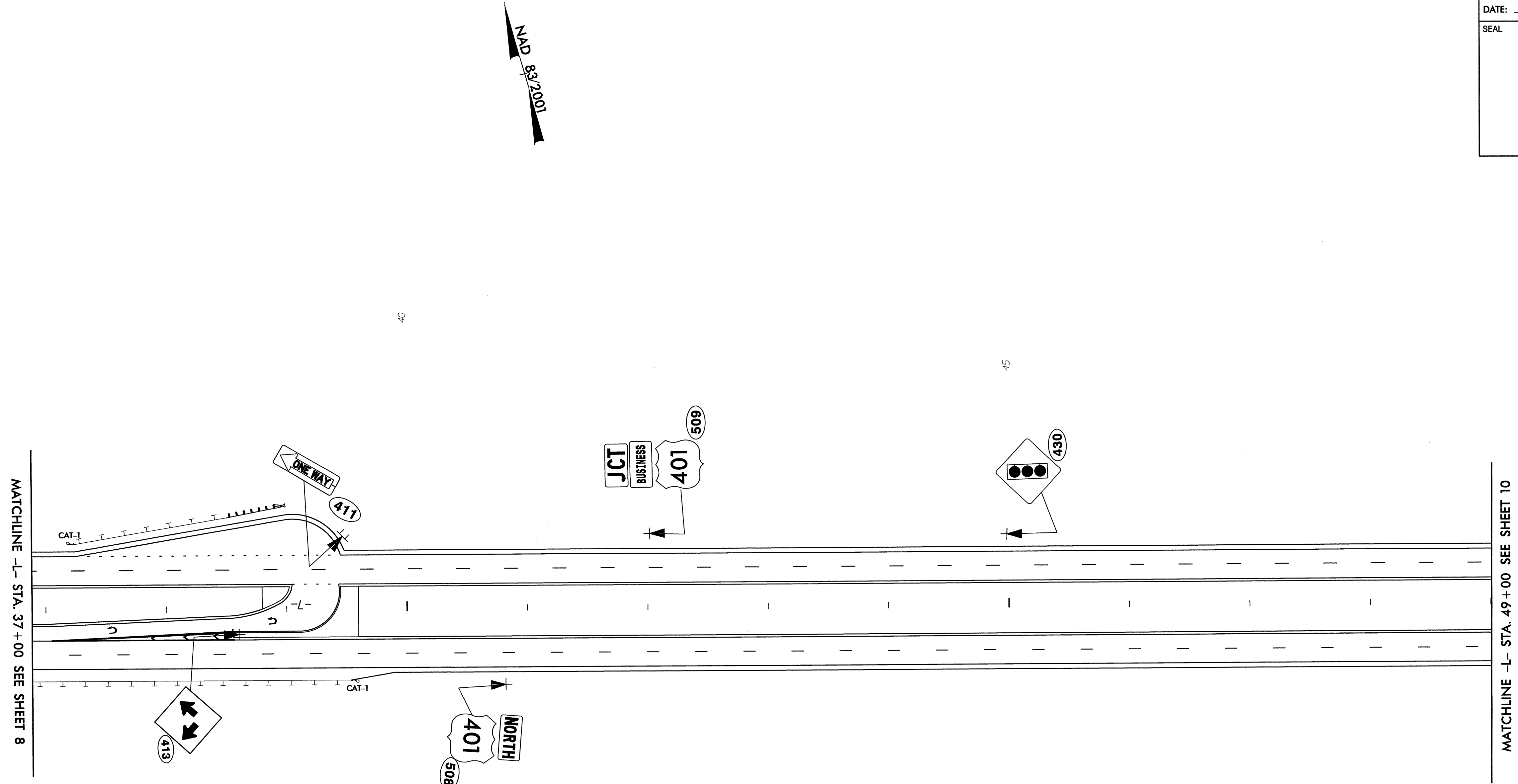
\* SIGNALIZED

PROPOSED & EXISTING SIGNS  
STA. 24+00 TO STA. 37+00  
US 401-L- (LOUISBURG RD)

03 NOV 2010 15:55  
 N:\Projects\2814B\Traffic\Signing\CADD\Signing Layout Plans\2814b\_rdy\_psh5.dgn  
 sjohns AT FE247555\johns AT FE247555



TIP NO. R-2814B	SHEET NO. SIGN-9
APPROVED: _____	
DATE: _____	
SEAL	



PAY ITEM NOTES	
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

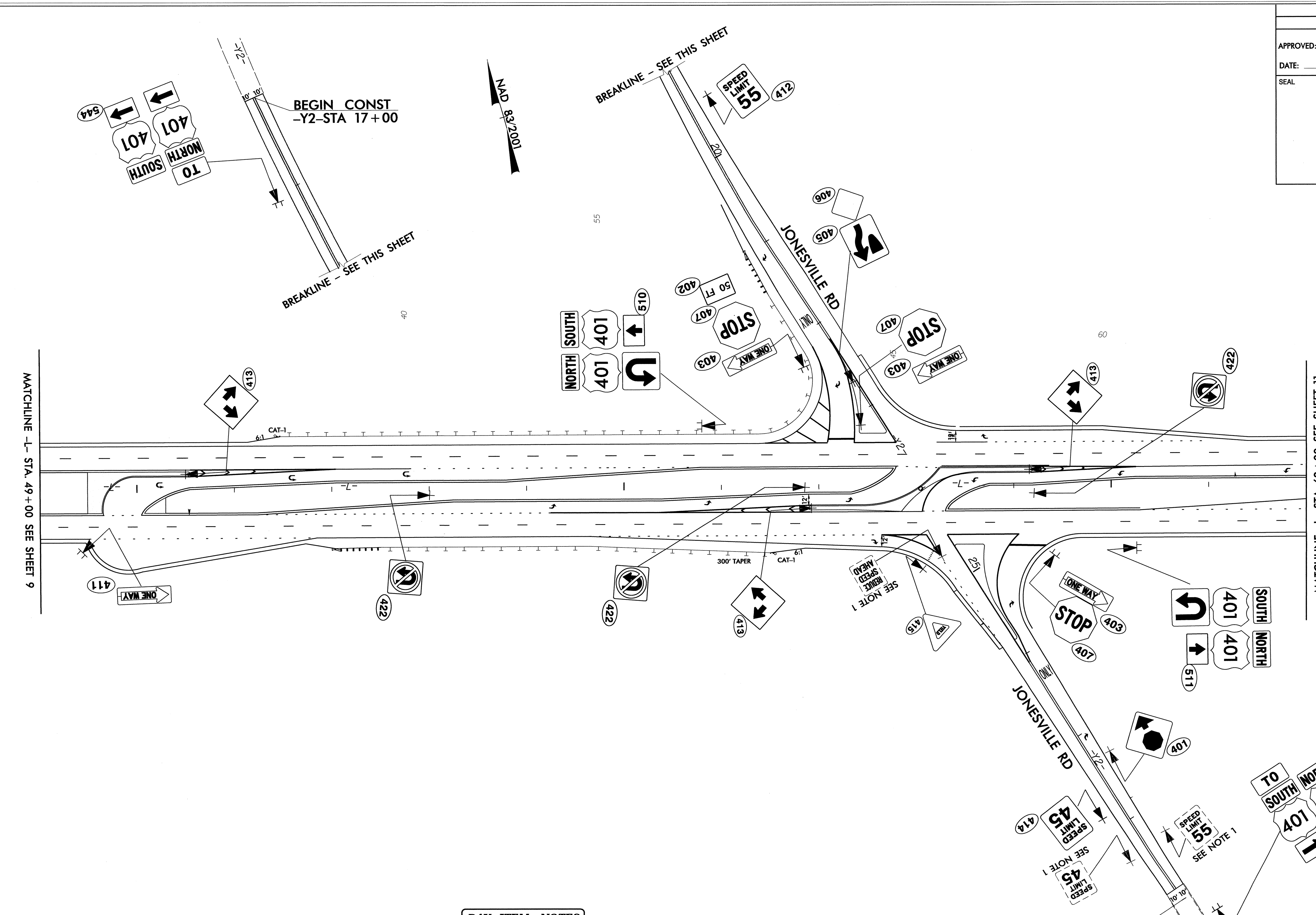
PROPOSED SIGNS  
 STA. 37+00 TO STA. 49+00  
 US 401-L- (LOUISBURG RD)

18-NOV-2010 10:31 AM R-2814B-TR-FFIC-Signing\CADD\Signing Layout Plans\R-2814B-rdu-psb6.dgn  
 sjohns 11/19/10

01

1

TIP NO. R-2814B	SHEET NO. SIGN-10
APPROVED: _____	
DATE: _____	
SEAL	



MATCHLINE -L- STA. 49 + 00 SEE SHEET 9

MATCHLINE -L- STA. 62 + 00 SEE SHEET 11

BEGIN CONST  
-Y2-STA 17+00

BREAKLINE - SEE THIS SHEET

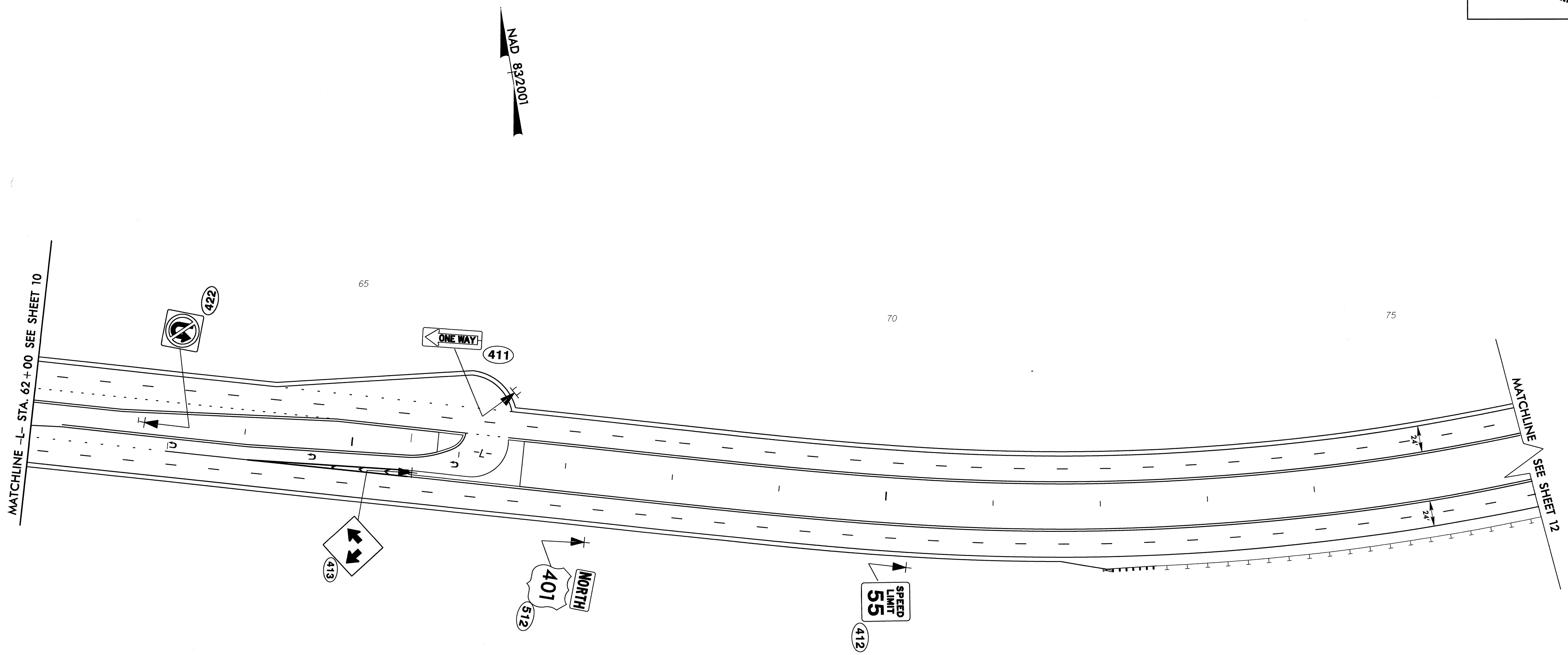
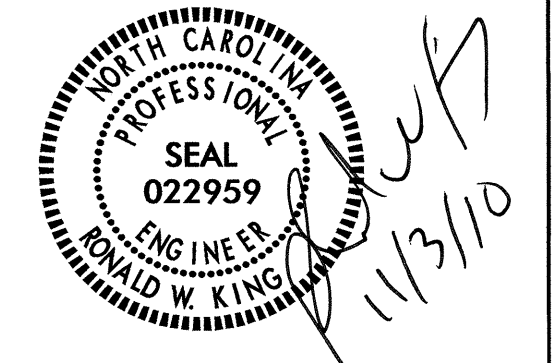
END CONST  
-Y2-STA 29+00

PAY ITEM NOTES	
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

EXISTING & PROPOSED SIGNS  
STA. 49+00 TO STA. 62+00  
US 401-L- (LOUISBURG RD)

18-NOV-2010 11:24 AM  
 R:\Projects\2814B\Traffic\Signing\CADD\Signing Layout Plans\2814b\_rdl\_psf7.dgn  
 sjohe

TIP NO. R-2814B	SHEET NO. SIGN-11
APPROVED: _____	
DATE: _____	
SEAL	



PAY ITEM NOTES	
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

**PROPOSED SIGNS**  
**STA. 62+00 TO STA. 76+00**  
**US 401-L- (LOUISBURG RD)**

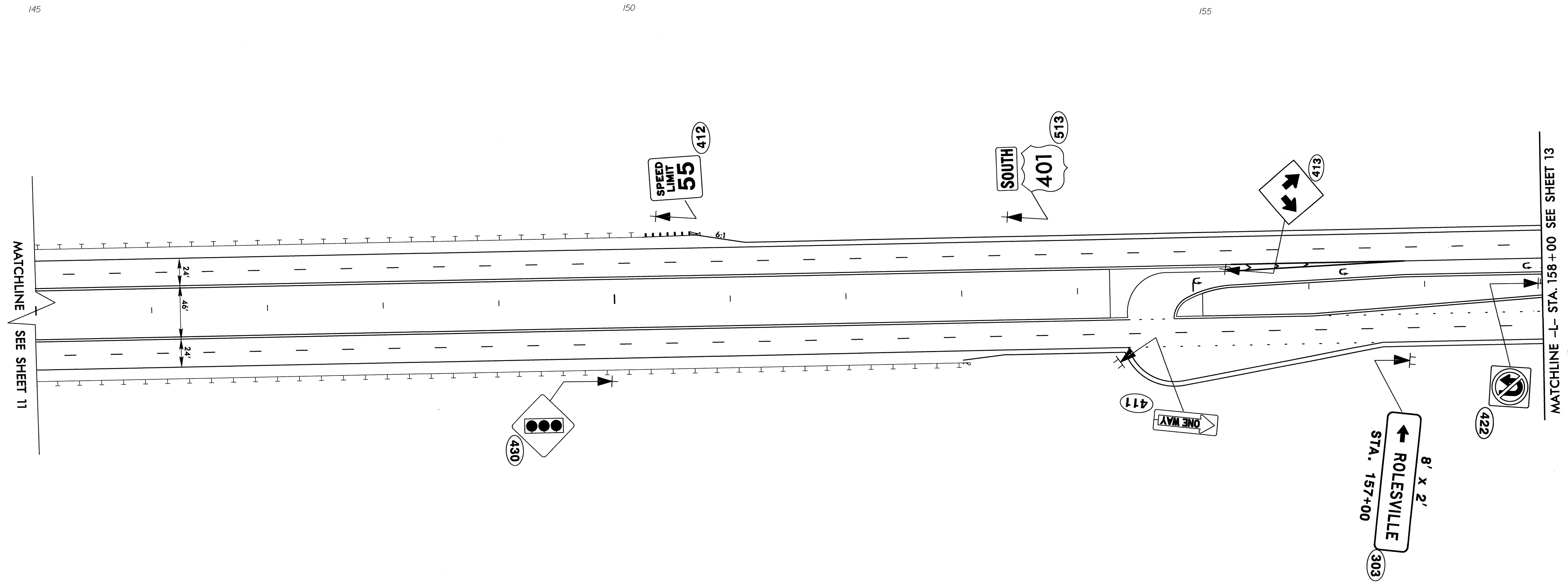
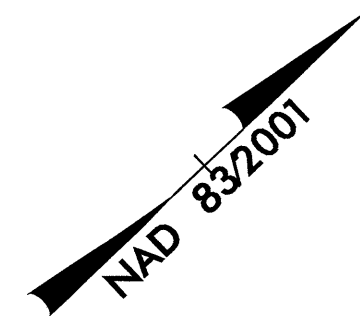
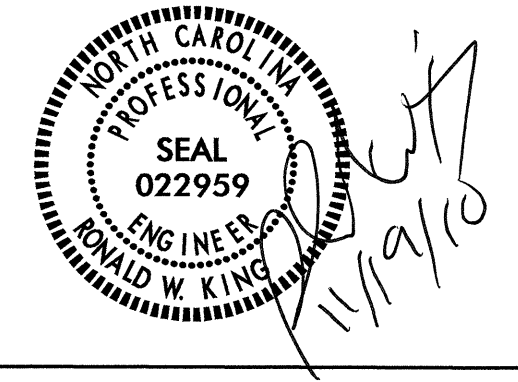
02-NOV-2010 11:42 AM  
 N:\TIP\Projects\022814b\Traffic\Signing\CADD\Signing Layout Plans\2814b\_rdy\_psh&.dgn  
 sjoins AT 11/2/10

TIP NO.	SHEET NO.
R-2814B	SIGN-12

APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_

SEAL



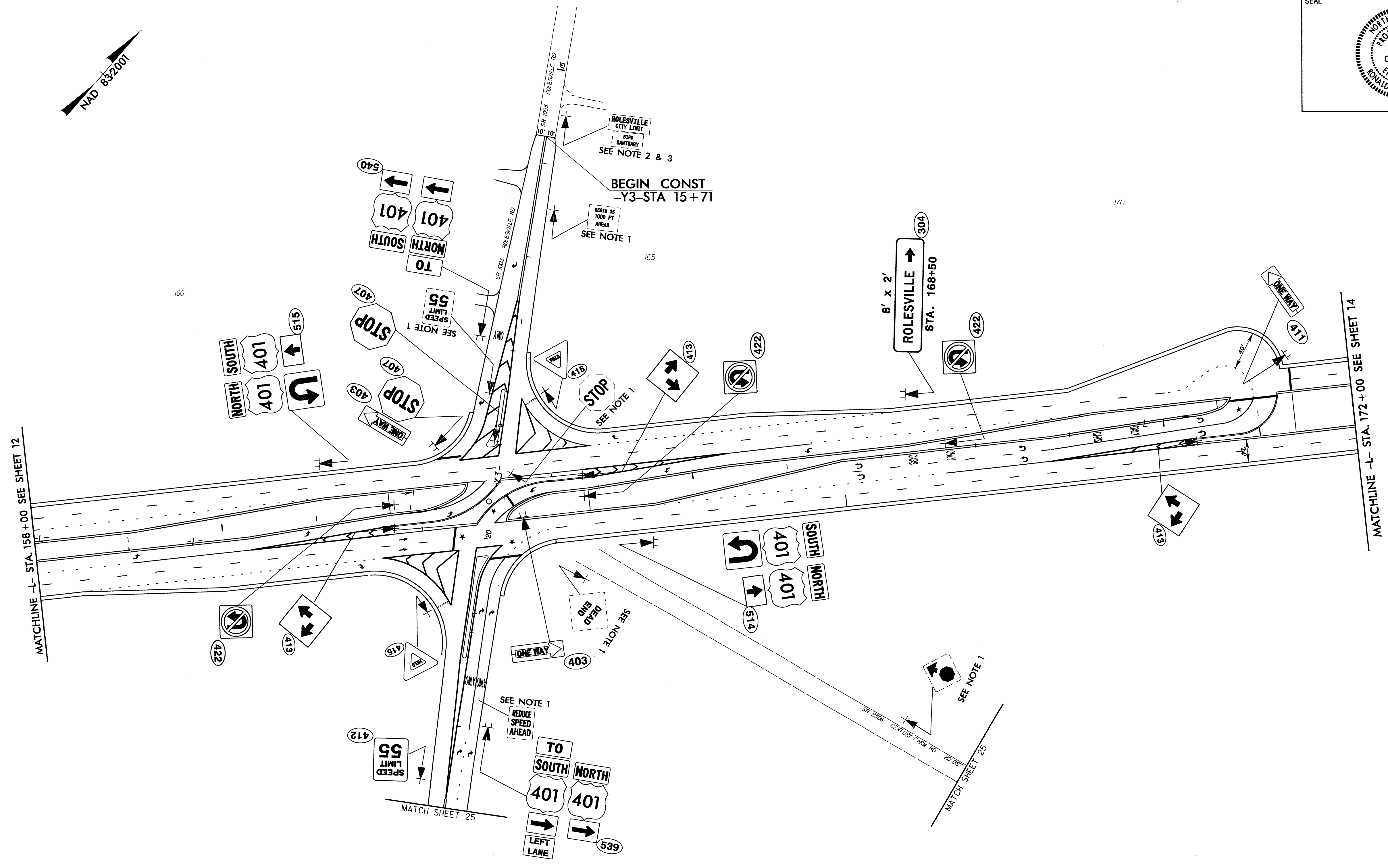
**PAY ITEM NOTES**

- |   |                                    |
|---|------------------------------------|
| 1 | DISPOSAL OF SIGN SYSTEM, U-CHANNEL |
|---|------------------------------------|

PROPOSED SIGNS  
 STA. 145+00 TO STA. 158+00  
 US 401-L- (LOUISBURG RD)

18-NOV-2010 11:34 AM C:\PF\Projects\2814B\Traffic\Signing\CADD\Signing\_Layout\_Plans\2814b\_rdy\_psh.dgn

TIP NO. R-2814B	SHEET NO. SIGN-13
APPROVED: _____	
DATE: _____	
SEAL	



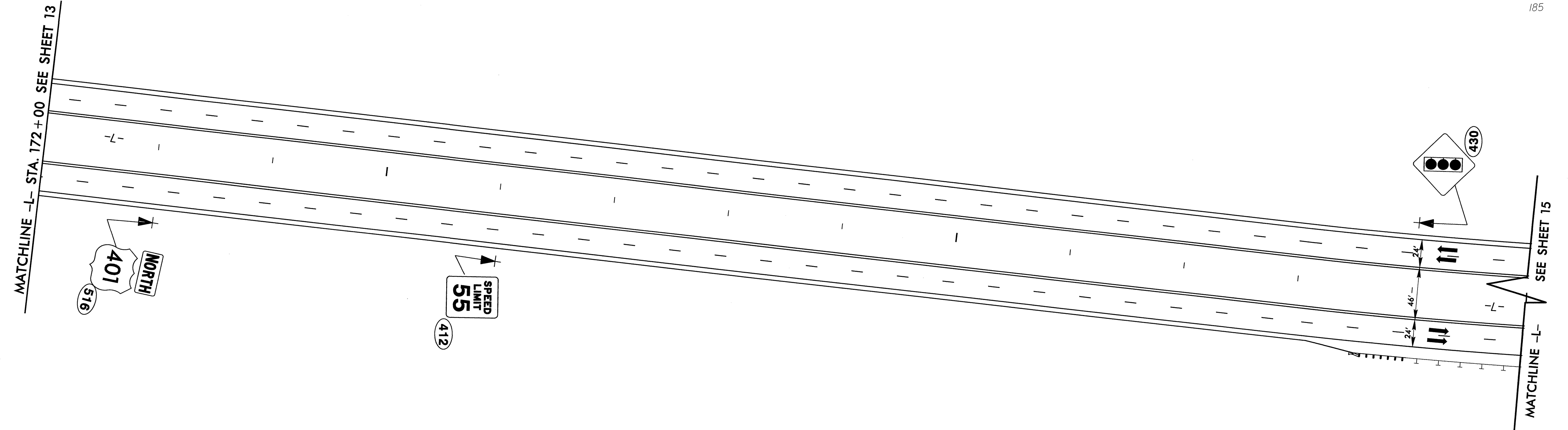
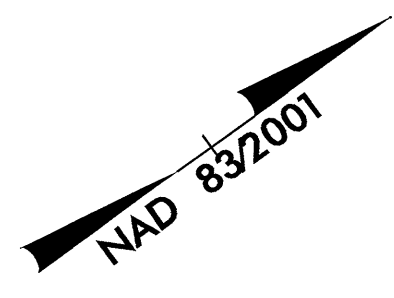
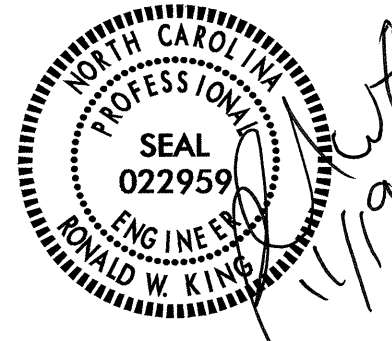
PAY ITEM NOTES	
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2	RELOCATE SIGN, TYPE E
3	DISPOSAL OF SUPPORT, U-CHANNEL

★ SIGNALIZED

EXISTING & PROPOSED SIGNS  
STA. 158+00 TO STA. 172+00  
US 401-L- (LOUISBURG RD)

03-NOV-2010 07:44  
 N:\TIP\Projects\2814B\Traffic\Signing\CADD\Signing Layout Plans\2814b\_rdl\_psh15.dgn  
 Systems Administrator

TIP NO. R-2814B	SHEET NO. SIGN-14
APPROVED: _____	
DATE: _____	
SEAL	



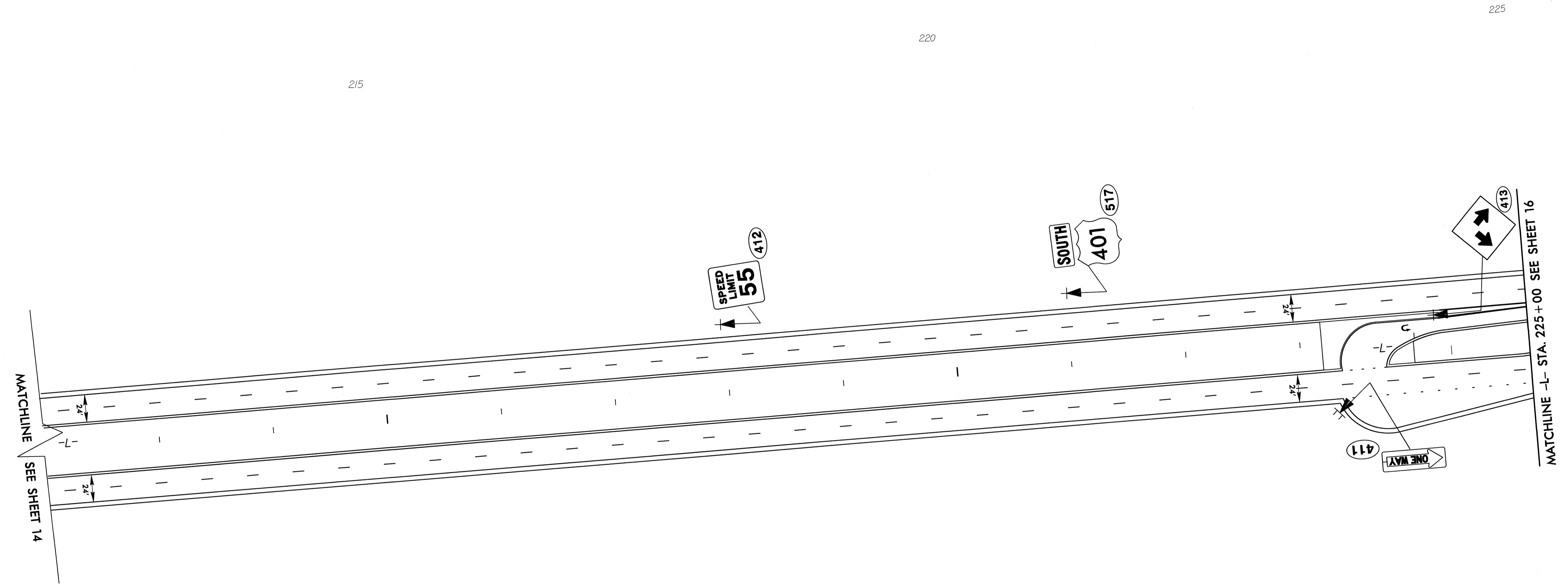
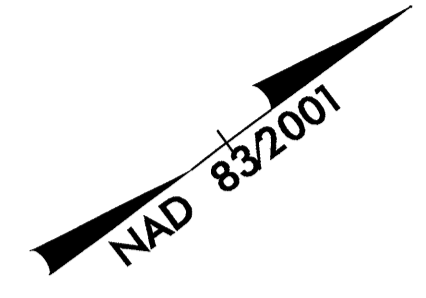
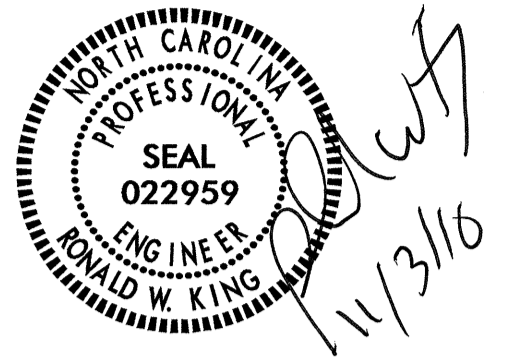
PAY ITEM NOTES	
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

**PROPOSED SIGNS**  
**STA. 172+00 TO STA. 185+00**  
**US 401-L- (LOUISBURG RD)**

18-NOV-2010 11:36 AM C:\Users\johns\AppData\Local\Temp\18-NOV-2010 11:36 AM\Projects\2814B\Tr-fic\Signing\CADD\Signing Layout Plans\vr2814b\_rdy\_psh16.dgn  
 johns 247507

1 C 101

TIP NO. R-2814B	SHEET NO. SIGN-15
APPROVED: _____	
DATE: _____	
SEAL	

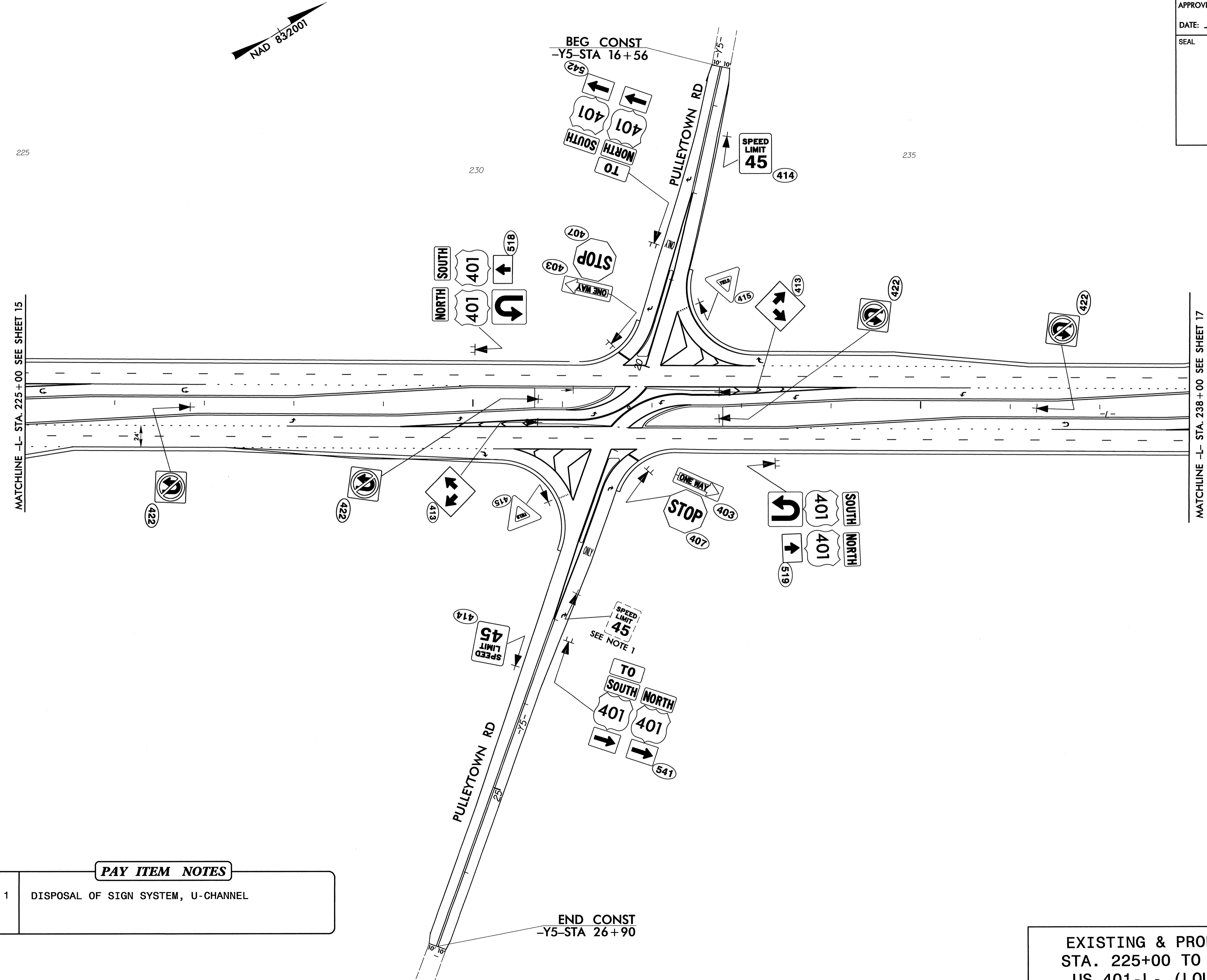


PAY ITEM NOTES	
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

**PROPOSED SIGNS**  
**STA. 212+00 TO STA. 225+00**  
**US 401-L- (LOUISBURG RD)**

02-NOV-2010 11:16 AM F:\02814b\Traffic\Signing\CADD\Signing Layout Plans\R-2814b-rdy-psh19.dgn  
 N:\TIP\Projects\02814b\Traffic\Signing\CADD\Signing Layout Plans\R-2814b-rdy-psh19.dgn  
 sjohns HT 12/27/16

TIP NO. R-2814B	SHEET NO. SIGN-16
APPROVED: _____	
DATE: _____	
SEAL	



PAY ITEM NOTES	
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

**EXISTING & PROPOSED SIGNS  
STA. 225+00 TO STA. 238+00  
US 401-L- (LOUISBURG RD)**

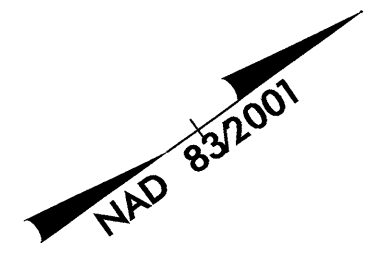
03-10/2010 10:31 AM B2814B-Traffic\Signing\CADD\Signing Layout Plans\2814b\_rdy\_psh20.dgn  
 signs - 11/24/10 12:24:56



TIP NO. SHEET NO.  
R-2814B SIGN-17

APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_

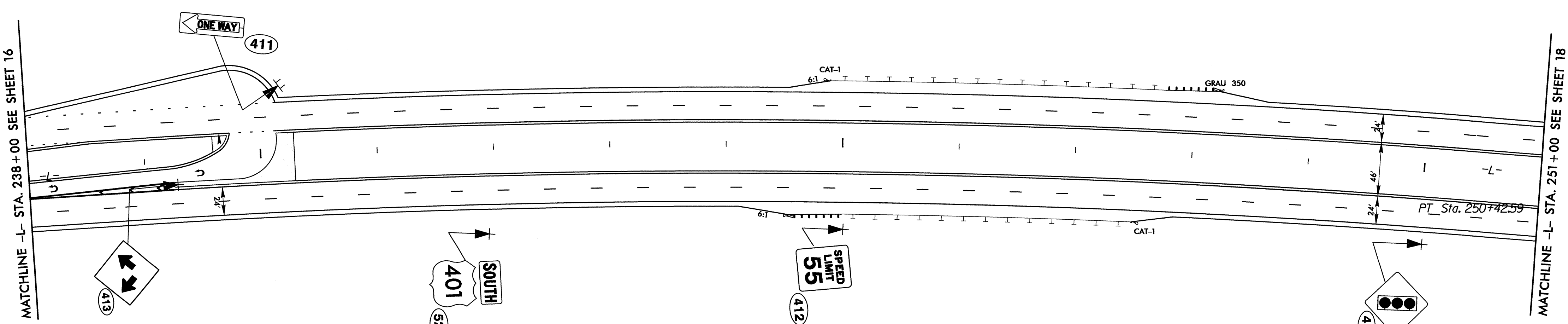
SEAL



240

245

250



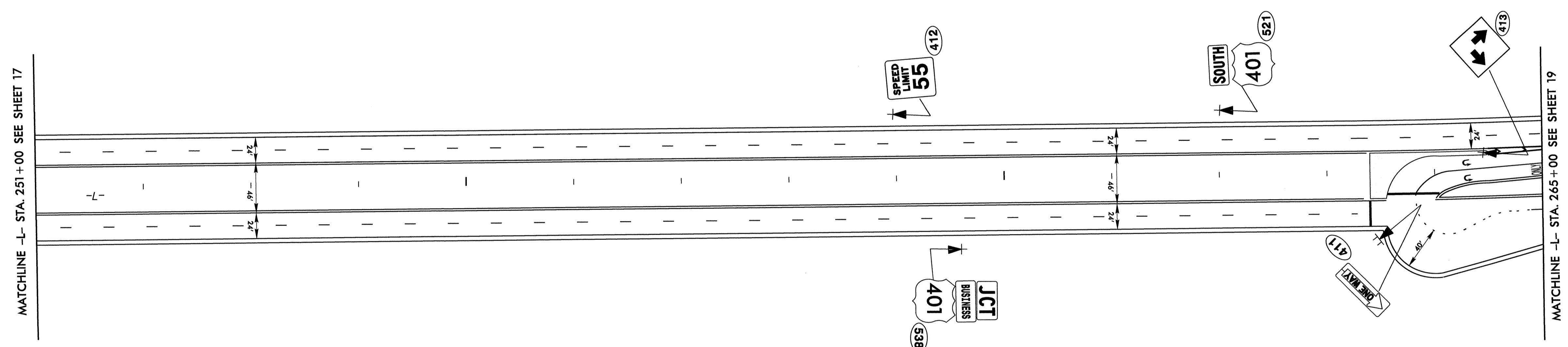
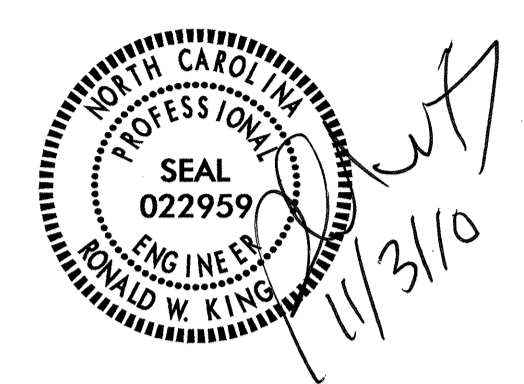
**PAY ITEM NOTES**

1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
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**EXISTING & PROPOSED SIGNS  
STA. 238+00 TO STA. 251+00  
US 401-L- (LOUISBURG RD)**

I:\Projects\2010\_1137\_2\2814B\Traffic\Signing\CADD\Signing Layout Plans\2814b\_rdy\_psh21.dgn  
11/19/10 10:45:24 AM s.johns

TIP NO. R-2814B	SHEET NO. SIGN-18
APPROVED: _____	
DATE: _____	
SEAL	



MATCHLINE -L- STA. 251+00 SEE SHEET 17

MATCHLINE -L- STA. 265+00 SEE SHEET 19

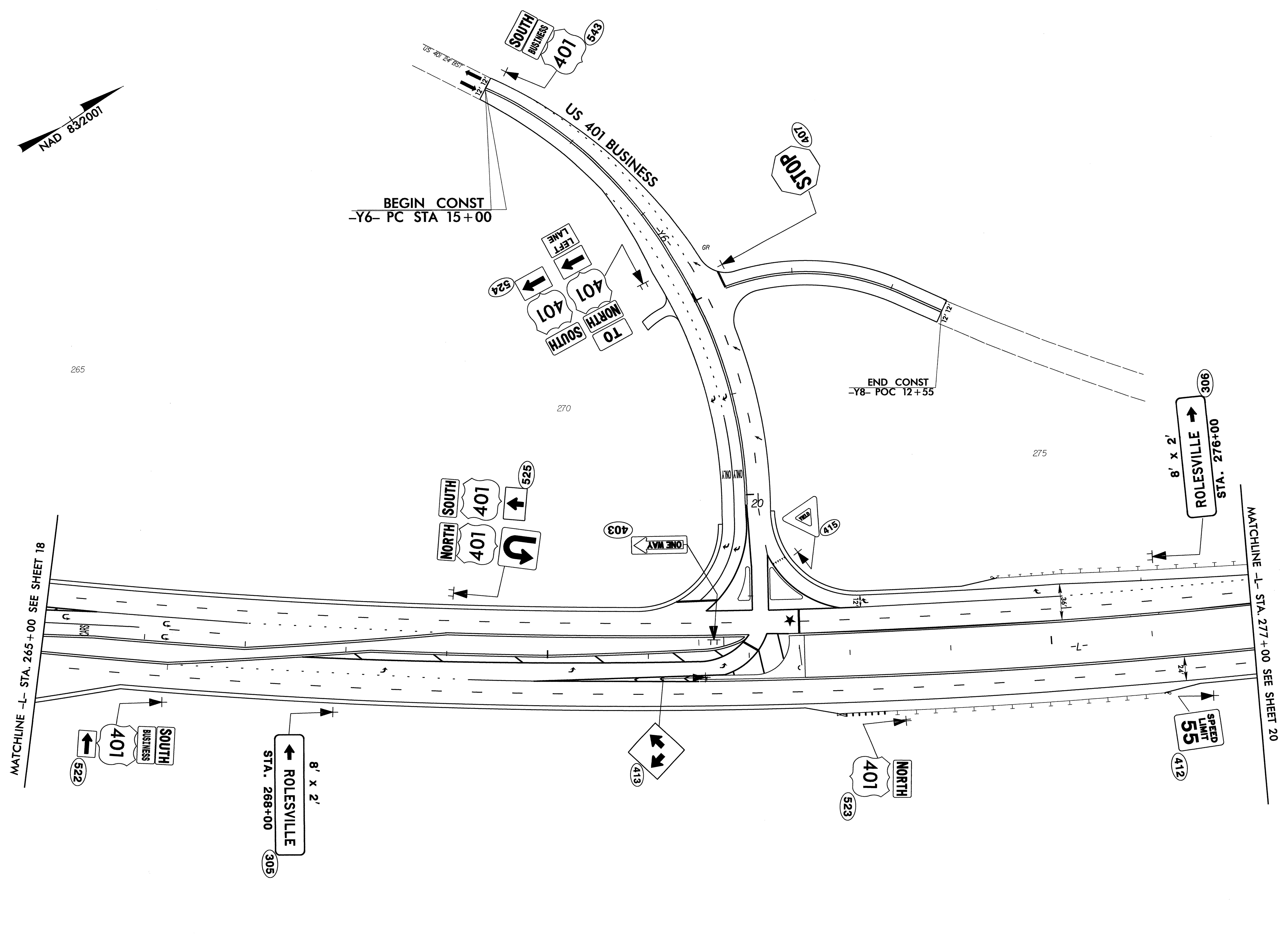
PAY ITEM NOTES	
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

★ SIGNALIZED

EXISTING & PROPOSED SIGNS  
STA. 251+00 TO STA. 265+00  
US 401-L- (LOUISBURG RD)

03-10-2010 10:28 AM R2814B-Traffic\Signing\CADD\Signing Layout Plans\2814b\_rdy\_psh22.dgn  
s.johns - 11/3/10

TIP NO. R-2814B	SHEET NO. SIGN-19
APPROVED: _____	
DATE: _____	
SEAL	



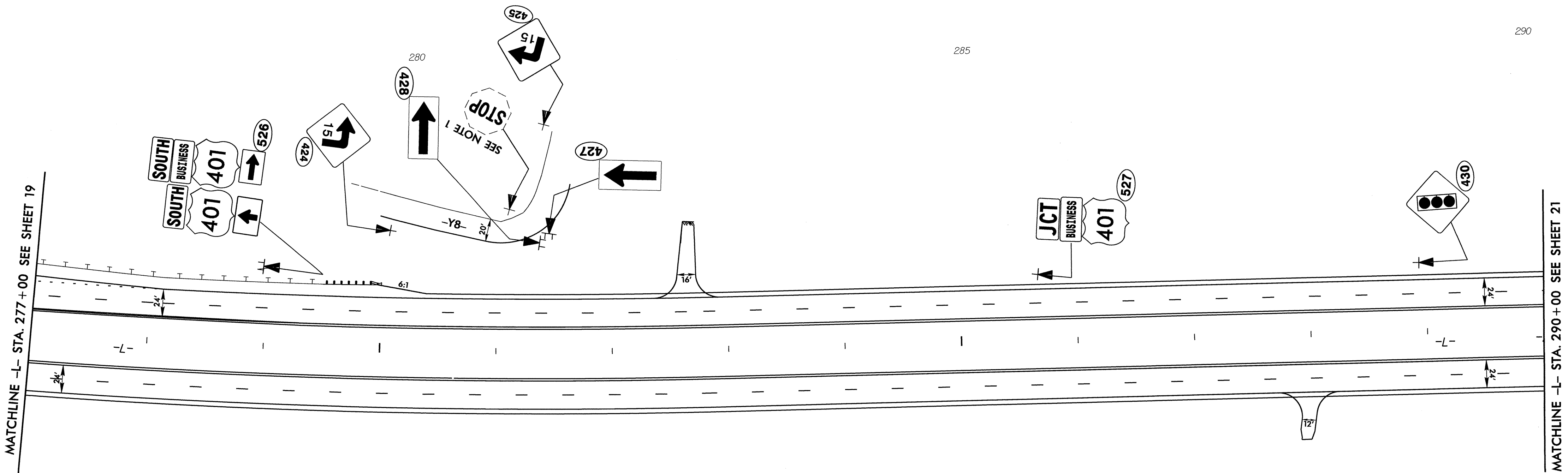
PAY ITEM NOTES	
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

★ SIGNALIZED

EXISTING & PROPOSED SIGNS  
 STA. 265+00 TO STA. 277+00  
 US 401-L- (LOUISBURG RD)

03-NOV-2010 10:40  
 N:\TIP-Projects\2814B\Traffic\Signing\CADD\Signing\_Layout\_Plans\2814b-r.dwg-pah23.dgn  
 s\johns AT 12:24:56

TIP NO. R-2814B	SHEET NO. SIGN-20
APPROVED: _____	
DATE: _____	
SEAL	

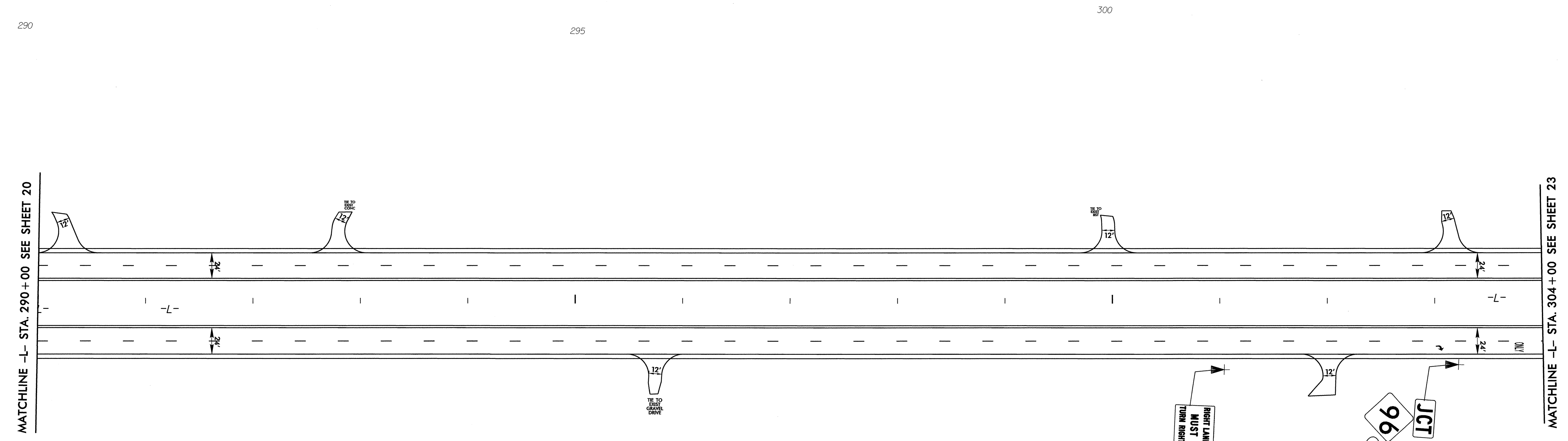
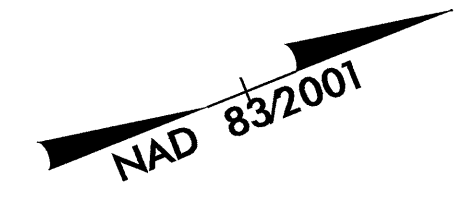


PAY ITEM NOTES	
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

EXISTING & PROPOSED SIGNS  
 STA. 277+00 TO STA. 290+00  
 US 401-L- (LOUISBURG RD)

18-NOV-2010 11:38  
 N:\Projects\2814B\Traffic\Signing\CADD\Signing Layout Plans\2814B\_rdy\_psh24.dgn  
 sjohns

TIP NO. R-2814B	SHEET NO. SIGN-21
APPROVED: _____	
DATE: _____	
SEAL	

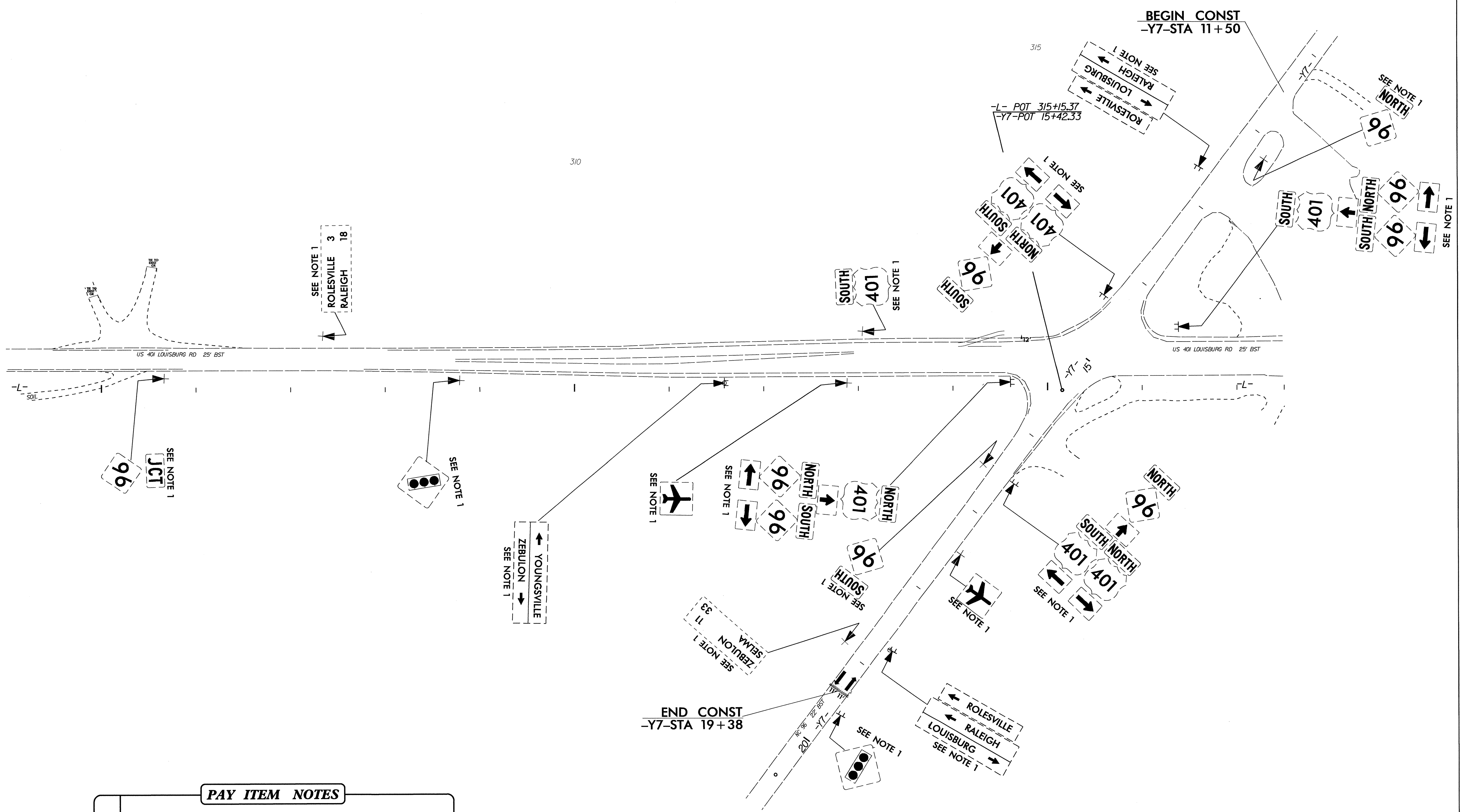
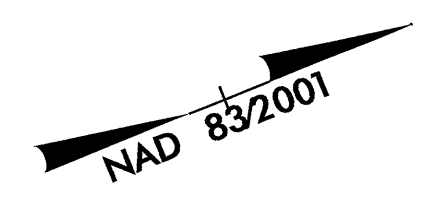
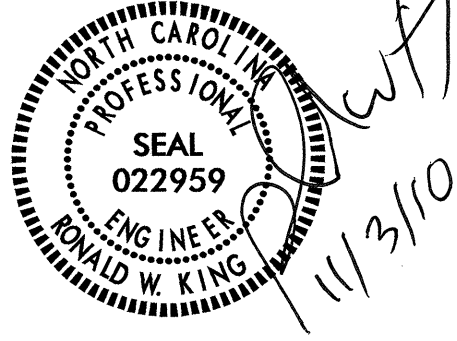


PAY ITEM NOTES	
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

**PROPOSED SIGNS**  
**STA. 290+00 TO STA. 304+00**  
**US 401-L- (LOUISBURG RD)**

03 NOV 2010 10:47  
 N:\TIP\Projects\102814b\Traffic\Signing\CADD\Signing Layout Plans\2814b\_rdy\_psh25.dgn  
 sjohns

TIP NO. R-2814B	SHEET NO. SIGN-22
APPROVED: _____	
DATE: _____	
SEAL	


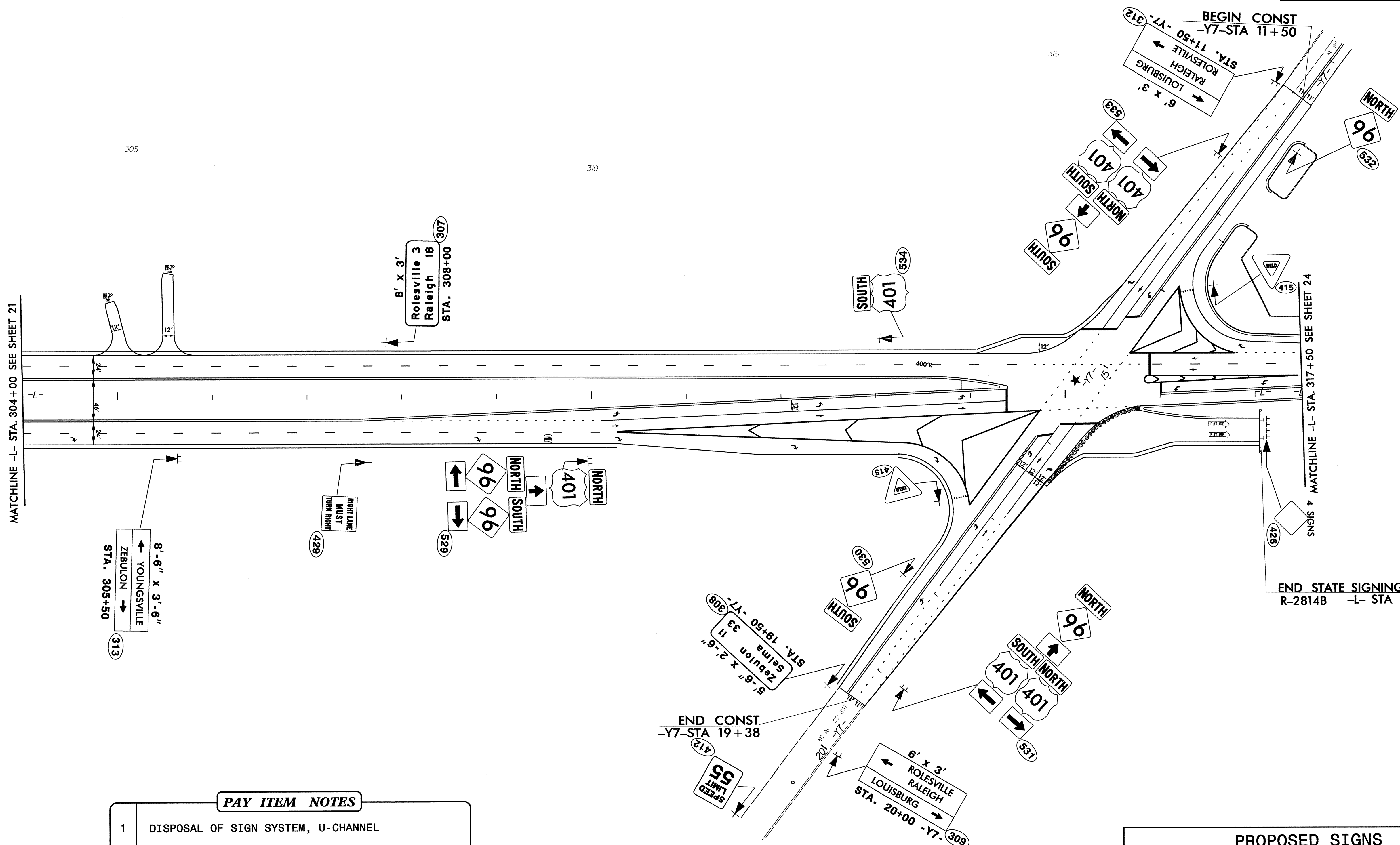
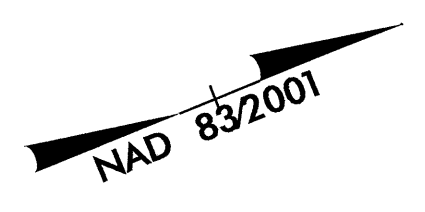


PAY ITEM NOTES	
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

**EXISTING SIGNS**  
**STA. 304+00 TO STA. 317+50**  
**US 401-L- (LOUISBURG RD)**

02-NOV-2010 11:32 AM \\TIP-Proj\022814B\Traffic\Signing\CADD\Signing Layout Plans\2814b\_rdl\_psh26aexist.dgn  
 Systems: NI, ICS, V, S

TIP NO. R-2814B	SHEET NO. SIGN-23
APPROVED: _____	
DATE: _____	
SEAL	

MATCHLINE -L- STA. 317+50 SEE SHEET 24

END STATE SIGNING PROJECT  
R-2814B -L- STA 317+05

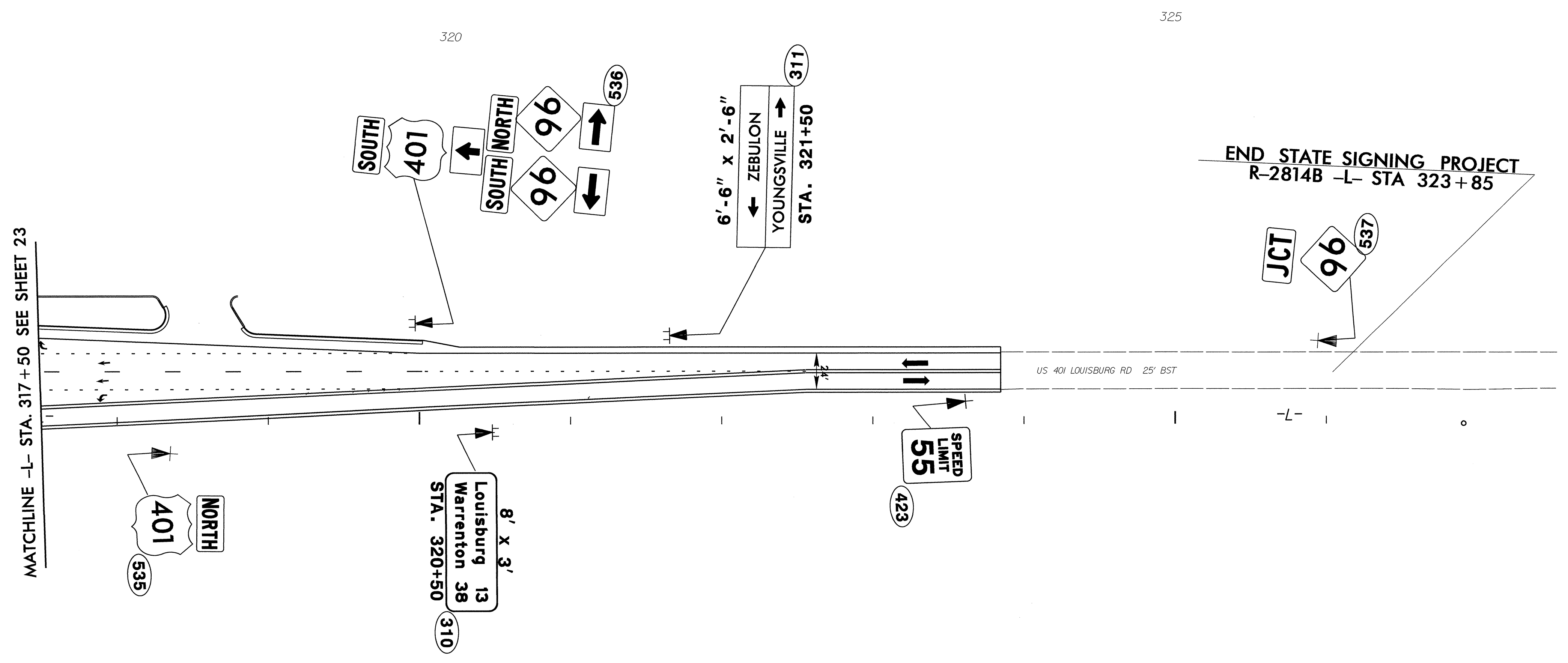
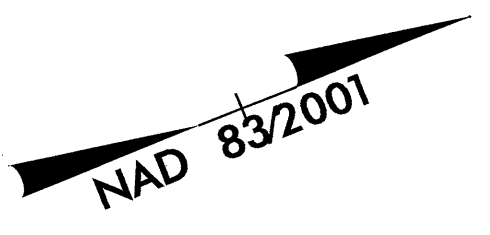
PAY ITEM NOTES	
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

**PROPOSED SIGNS**  
STA. 304+00 TO STA. 317+50  
US 401-L- (LOUISBURG RD)

★ SIGNALIZED

09 NOV 2010 15:56 N:\TIP\2814B\Signing\CADD\Signing Layout Plans\2814b\_rdu\_psh26.dgn  
 N:\TIP\2814B\Signing\CADD\Signing Layout Plans\2814b\_rdu\_psh26.dgn  
 sjohns

TIP NO. R-2814B	SHEET NO. SIGN-24
APPROVED: _____	
DATE: _____	
SEAL	



END STATE SIGNING PROJECT  
R-2814B -L- STA 323+85

MATCHLINE -L- STA. 317 + 50 SEE SHEET 23

**PAY ITEM NOTES**

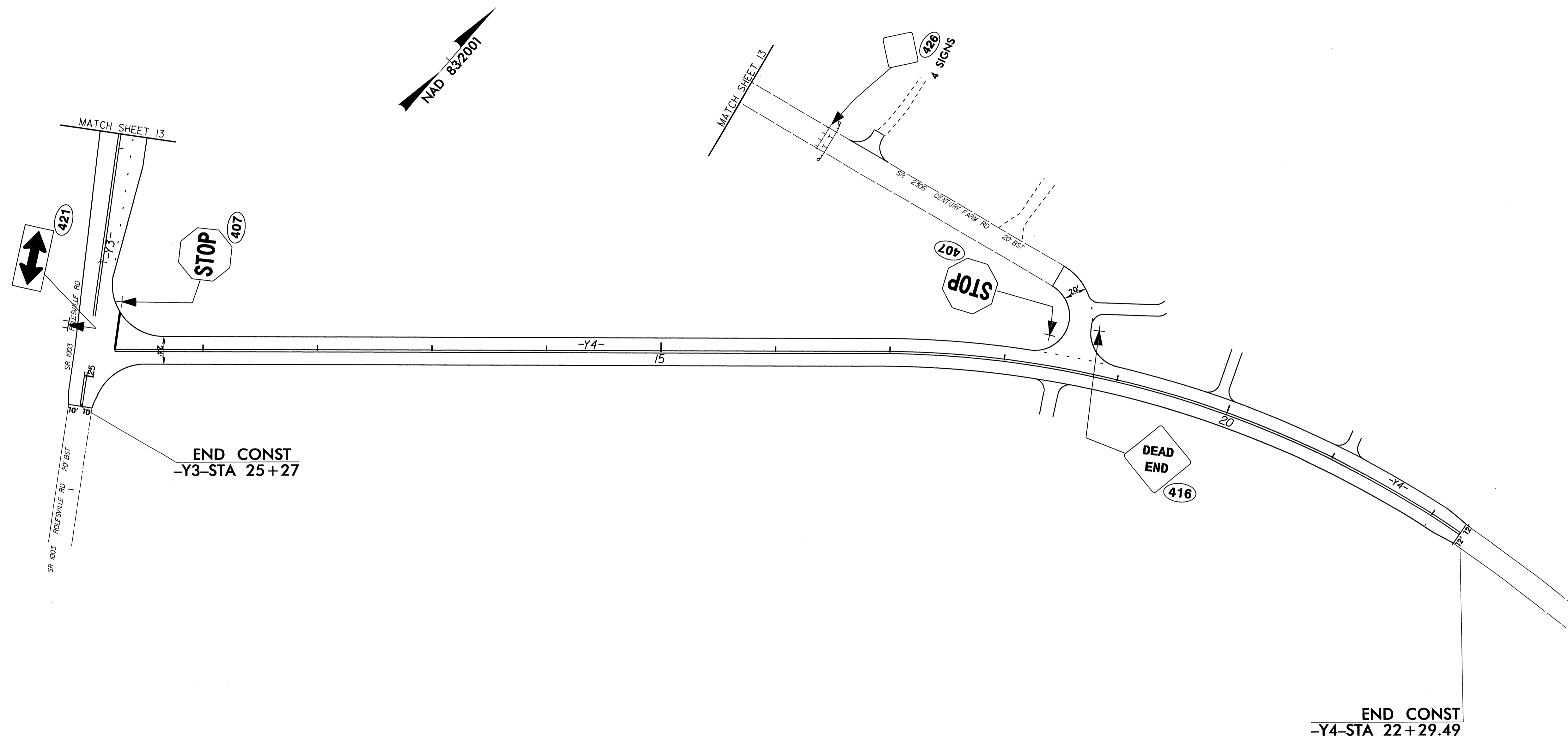
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
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**EXISTING & PROPOSED SIGNS  
STA. 317+50 TO STA. 326+00  
US 401-L- (LOUISBURG RD)**

02-NOV-2010 11:32 AM \\P:\Projects\2814B\Traffic\Signing\CADD\Signing\_Layout\_Plans\2814b\_rdlr.pst27.dgn  
 Signs - R1 - 11/27/10



TIP NO. R-2814B	SHEET NO. SIGN-25
APPROVED: _____	
DATE: _____	
SEAL	



PAY ITEM NOTES	
1	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

**PROPOSED SIGNS**  
 STA. 10+00 TO STA. 22+29.49  
 SR 2306-Y4- (CENTURY FARM RD)

03-NOV-2010 10:58  
 \\P:\Projects\2814B\Traffic\Signing\CADD\Signing Layout Plans\2814b\_rdy\_psh25.dgn  
 Johns, R. (27755)

8/17/99