

02-AUG-2011 13:42
 NK\TIP-Projects-U0624\Traffic\Signing\CA00\Signing_Layout_Plans\Signing\Engseed.dgn
 gter-lizzi AT TE24751

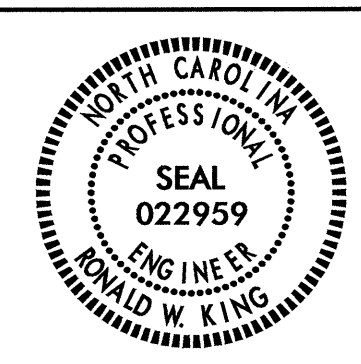
T.I.P.: U-0624

CONTRACT: C202156

**STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS
 ORANGE COUNTY**

**LOCATION: CHAPEL HILL-NC 86 (S COLUMBIA ST) FROM SR 1906
 (PUREFOY RD) TO SR 1902 (MANNING DR)**

TIP NO. U-0624	SHEET NO. SIGN-1
APPROVED: <i>[Signature]</i>	DATE: 8/3/11
SEAL	
	

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

SIGNING SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB U-CHANNEL.....	890	L.F.
4096000000	904	SIGN ERECTION, TYPE D.....	1	EA.
4102000000	904	SIGN ERECTION, TYPE E.....	44	EA.
4108000000	904	SIGN ERECTION, TYPE F.....	5	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL.....	61	EA.

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 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 GRADE C REFLECTIVE SHEETING. SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

INDEX

SHEET NO.	DESCRIPTION
SIGN - 1.....	SIGNING TITLE SHEET - NOTES, ROADWAY STANDARD DRAWINGS & SUMMARY OF QUANTITIES
SIGN - 2.....	"E" AND "F" SHEET
SIGN - 3.....	SIGN DESIGN SHEET
SIGN - 4 - 8.....	SIGN DETAIL SHEETS

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

SUSAN B. KUNZ SIGNING & DELINEATION REGIONAL ENGINEER
 GEORGE TERLIZZI SIGNING & DELINEATION DESIGN ENGINEER

02-AUG-2011 16:20
 N:\TIP-Projects\U0624\Traffic\Signing\CADD\Signing_Layout_Plans\Signing\Engineer.dgn
 gter:lizz1 AT 1E247751

TIP NO. U-0624	SHEET NO. SIGN-2
APPROVED: <i>R/W</i>	
DATE: 8/3/11	
SEAL	

401 QUANTITY REQ'D 5

36 X 36
R1-1

ONE "U" POST PER SIGN

406 QUANTITY REQ'D 2

30 X 30
R3-7

ONE "U" POST PER SIGN

413 QUANTITY REQ'D 2

54 X 18
R6-1 (R)

TWO "U" POSTS PER SIGN

418 QUANTITY REQ'D 1

21 X 15
M6-1
BLUE/WHITE

MOUNT BELOW SIGN 417
IN 1 INSTALLATIONS

501

WEST

54

→

MOUNT BELOW SIGN 301
IN 1 INSTALLATIONS

402 QUANTITY REQ'D 2

36 X 48
R2-1

TWO "U" POSTS PER SIGN

407 QUANTITY REQ'D 2

24 X 30
R4-7

ONE "U" POST PER SIGN

414 QUANTITY REQ'D 2

54 X 18
R6-1 (L)

TWO "U" POSTS PER SIGN

419 QUANTITY REQ'D 3

30 X 30
R5-1

ONE "U" POST PER SIGN

502

JCT

54

JCT 15

JCT 501

1- 30 X 24

TWO "U" POST PER SIGN

403 QUANTITY REQ'D 2

36 X 48
R2-1

ONE "U" POST PER SIGN

410 QUANTITY REQ'D 6

30 X 24
R3-17

ONE "U" POST PER SIGN

415 QUANTITY REQ'D 2

30 X 30
R5-2

ONE "U" POST PER SIGN

420 QUANTITY REQ'D 2

36 X 24
R5-1a

ONE "U" POST PER SIGN

503 504

NORTH

86

ONE "U" POST PER SIGN

404 QUANTITY REQ'D 3

18 X 18
R1-5

ONE "U" POST PER SIGN

411 QUANTITY REQ'D 5

36 X 30
R4-4

ONE "U" POST PER SIGN

416 QUANTITY REQ'D 1

24 X 24
D9-2

ONE "U" POST PER SIGN

421 QUANTITY REQ'D 1

36 X 36
W4-6

ONE "U" POST PER SIGN

505

SOUTH

86

ONE "U" POST PER SIGN

LEFT
BLANK

412 QUANTITY REQ'D 1

30 X 30
W14-2

ONE "U" POST PER SIGN

417 QUANTITY REQ'D 1

24 X 12
D9-13dP
BLUE/WHITE

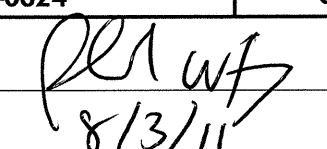
MOUNT BELOW SIGN 416
IN 1 INSTALLATIONS

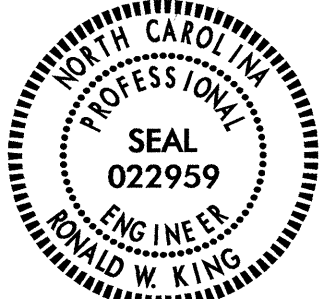
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36 X 36
W3-5

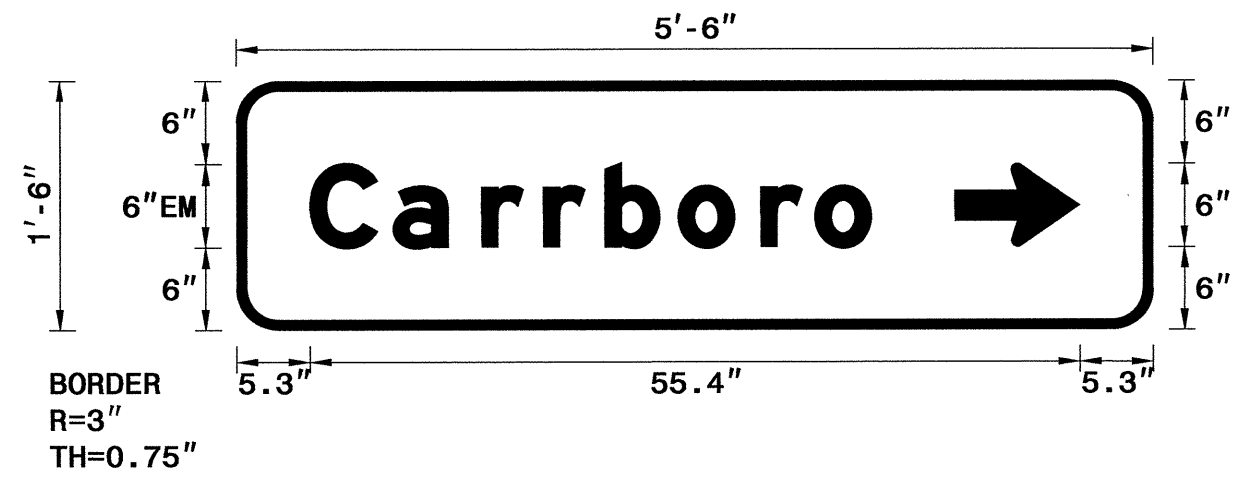
ONE "U" POST PER SIGN

TYPE "E" & "F" SIGNS

TIP NO. U-0624	SHEET NO. SIGN-3
APPROVED: 	
DATE: 8/3/11	
SEAL	



SIGN NUMBER: 301 TYPE: D QUANTITY: 1 SIGN WIDTH: 5'-6" HEIGHT: 1'-6" TOTAL AREA: 8.3 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"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr> <td>ARUP</td> <td>51.7</td> <td>6</td> <td>6</td> <td>9</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> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	ARUP	51.7	6	6	9																					DESIGN BY: GMT PROJECT ID: U-0624 CHECKED BY: SUSAN B. KUNZ DIV: 7 DATE: Jun 27, 2011
SYMBOL	X	Y	WID	HT																												
ARUP	51.7	6	6	9																												



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

	c	a	r	r	b	o	r	o		Series/Size	
	5.3	6	6.4	4.4	4.4	5.3	5.9	3.9	4.1	20.3	EM 2000 40.4

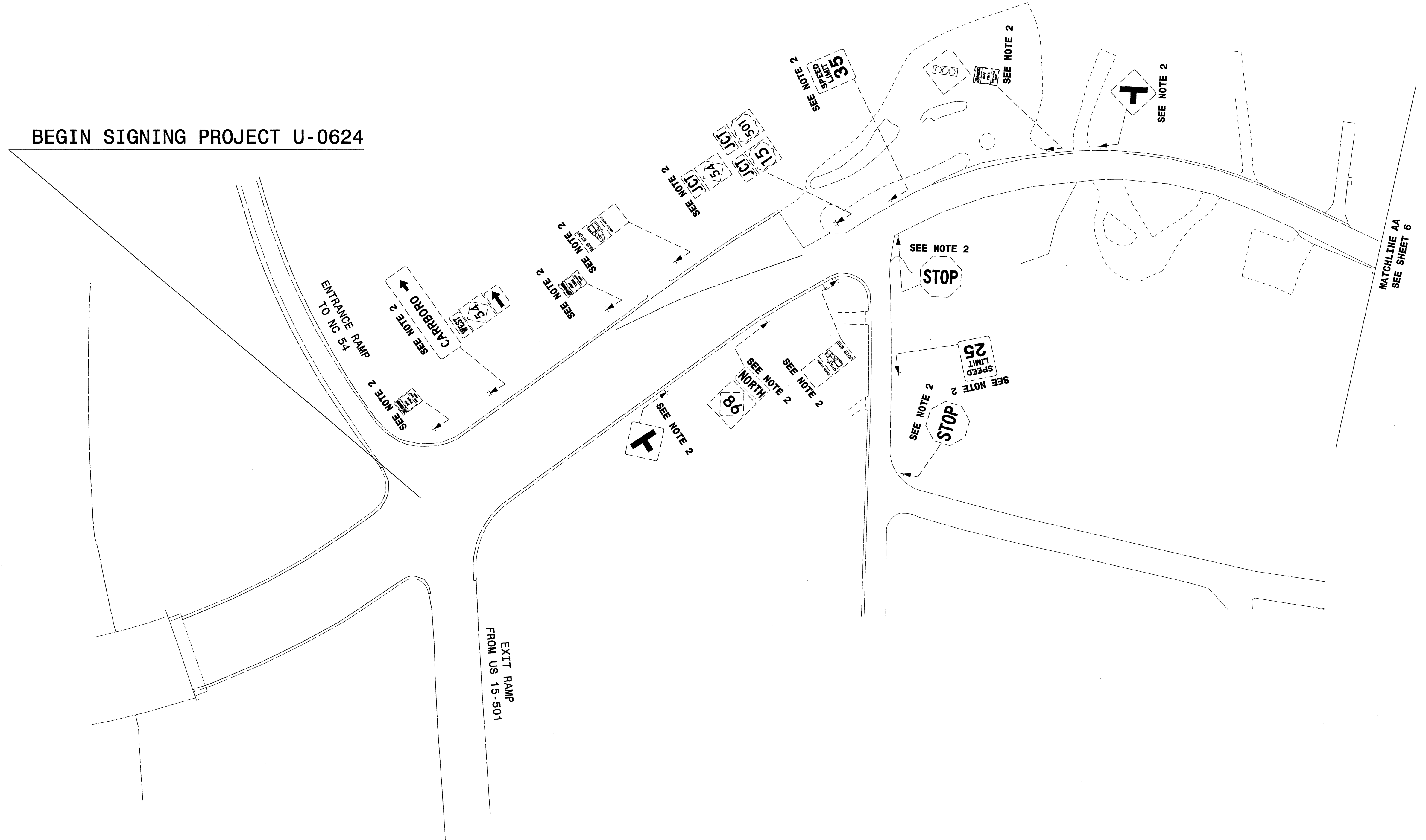
FILENAME: U-0609 SIGN DESIGNS NORTH CAROLINA D.O.T. SIGN DETAIL

TIP NO. U-0624	SHEET NO. SIGN-4
APPROVED: <i>PLW</i>	
DATE: 8/3/11	
SEAL	

PAY ITEM NOTES:	
2	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

NAD 83/95

BEGIN SIGNING PROJECT U-0624



MATCHLINE AA
SEE SHEET 6

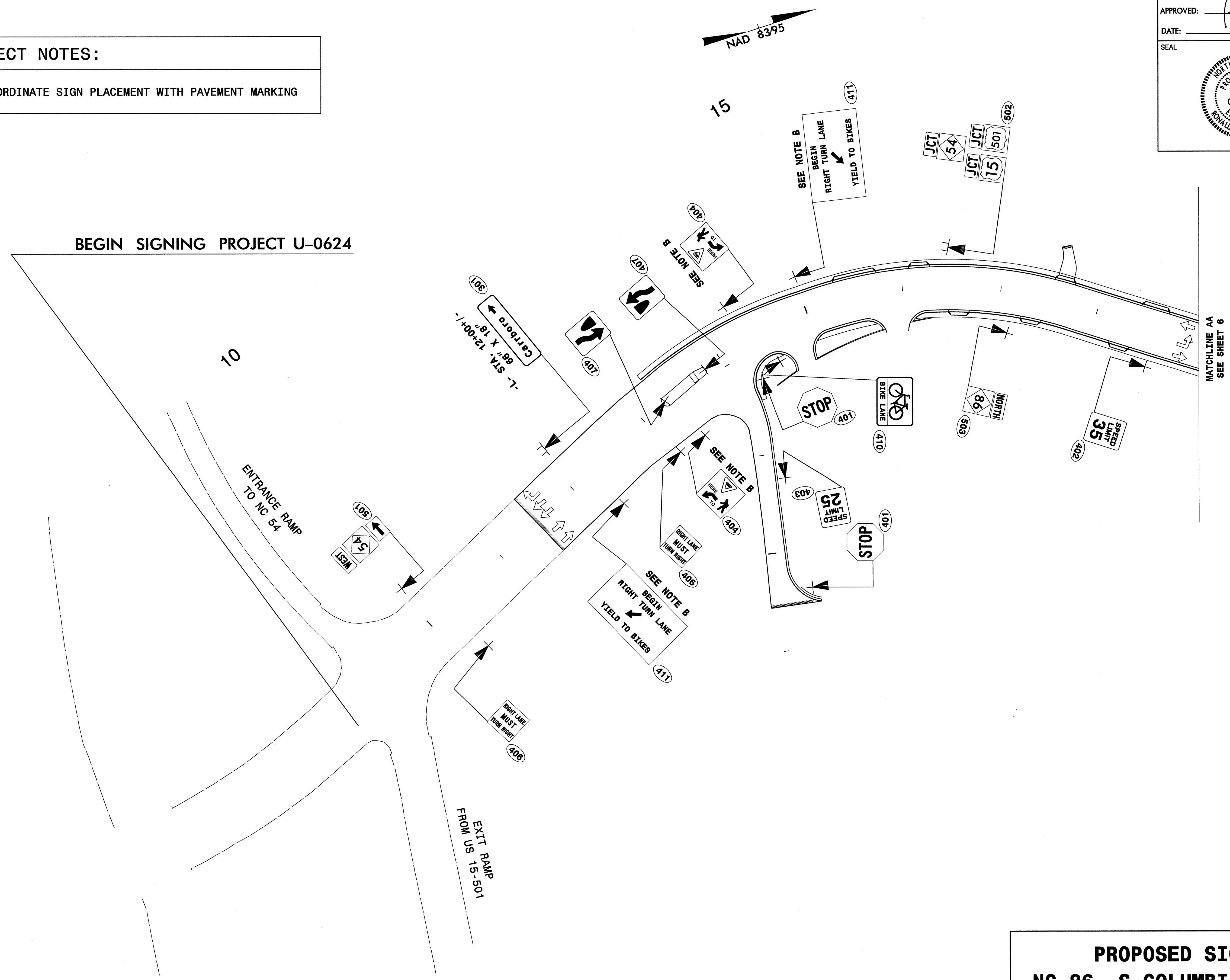
**EXISTING SIGNS
NC 86 S COLUMBIA STREET**

02-AUG-2011 15:04
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 gster:lizzl AT 1E24751

TIP NO. U-0624	SHEET NO. SIGN-5
APPROVED: <i>PLW</i>	
DATE: 8/3/11	
SEAL	

PROJECT NOTES:


B	COORDINATE SIGN PLACEMENT WITH PAVEMENT MARKING
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PROPOSED SIGNS
NC 86 S COLUMBIA STREET

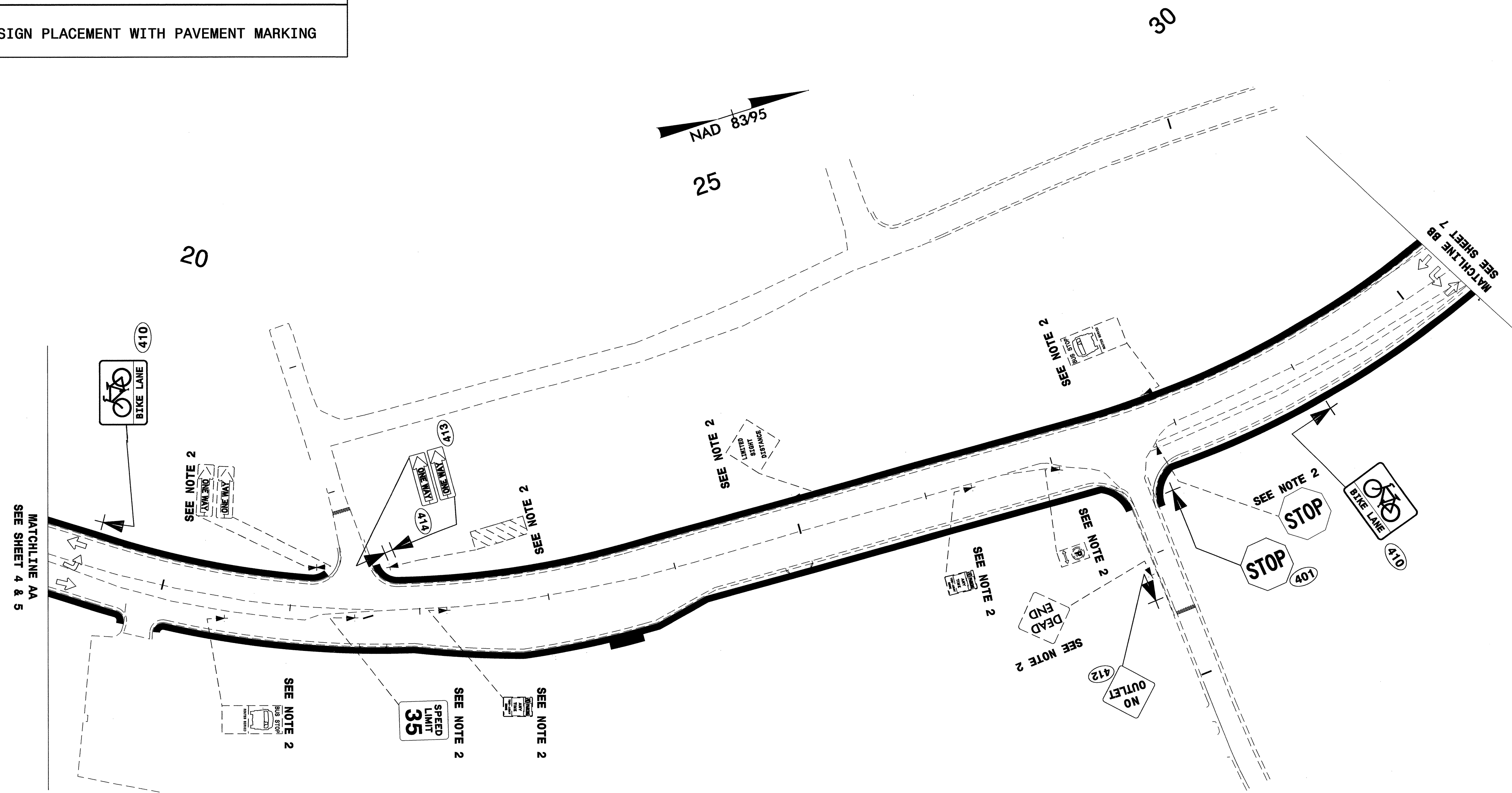
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 User: lizz1

TIP NO. U-0624	SHEET NO. SIGN-6
APPROVED: <i>[Signature]</i>	
DATE: 8/3/11	
SEAL	



PAY ITEM NOTES:	
2	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

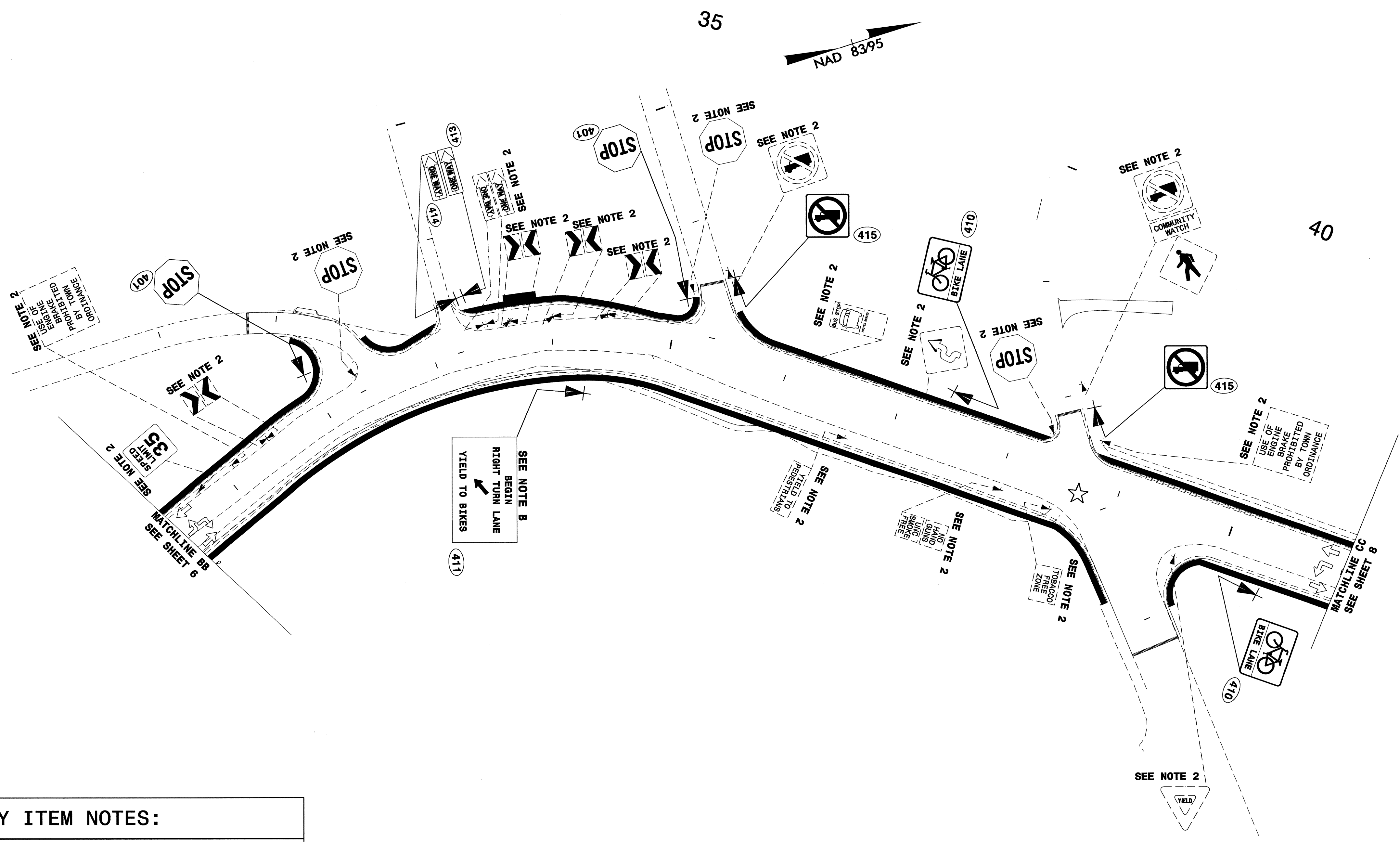
PROJECT NOTES:	
B	COORDINATE SIGN PLACEMENT WITH PAVEMENT MARKING



**EXISTING & PROPOSED SIGNS
NC 86 S COLUMBIA STREET**

02-AUG-2011 16:42
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 gverlizzi AT 1E247751

TIP NO. U-0624	SHEET NO. SIGN-7
APPROVED: <i>[Signature]</i>	
DATE: 8/3/11	
SEAL	



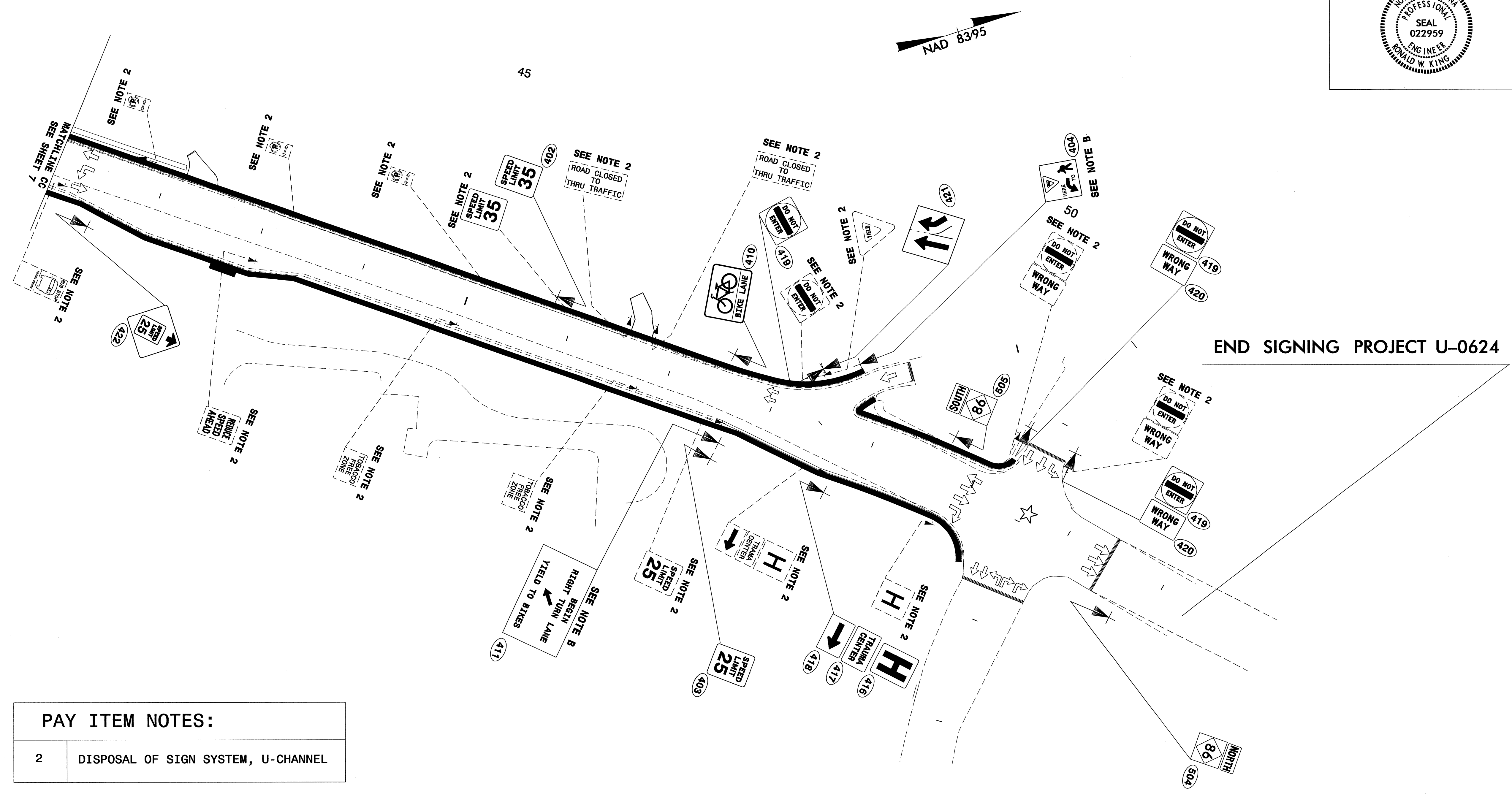
PAY ITEM NOTES:	
2	DISPOSAL OF SIGN SYSTEM, U-CHANNEL

PROJECT NOTES:	
B	COORDINATE SIGN PLACEMENT WITH PAVEMENT MARKING

**EXISTING & PROPOSED SIGNS
NC 86 S COLUMBIA STREET**

02-AUG-2011 16:02
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 gwer11221 AT 12:47:51

TIP NO. U-0624	SHEET NO. SIGN-8
APPROVED: <i>[Signature]</i>	
DATE: 8/3/11	
SEAL	



END SIGNING PROJECT U-0624

PAY ITEM NOTES:

2	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
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PROJECT NOTES:

B	COORDINATE SIGN PLACEMENT WITH PAVEMENT MARKING
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**EXISTING & PROPOSED SIGNS
NC 86 S COLUMBIA STREET**

02-AUG-2011 16:06
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