

T.I.P.: U-4422

CONTRACT: C202825

07-MAR-2012 12:40 R:\Projects\Signing\SIGNING\Quantities & GM Signs\U-4422\Sgn-SGN_seefile2.dgn
bnowlin AL 1E27315

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS
CUMBERLAND COUNTY**

**LOCATION: GLENSFORD DRIVE (SR 1596) FROM RAEFORD ROAD
(US 401) TO CLIFFALE ROAD (SR 1400)**

TIP NO. U-4422	SHEET NO. SIGN-1
APPROVED:	
DATE: 3-6-12	
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 JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
901.50	ARROWS AND SHIELDS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D' 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U- CHANNEL	2461	L. F.
4102000000	904	SIGN ERECTION, TYPE E	148	EA.
4108000000	904	SIGN ERECTION, TYPE F	12	EA.
4096000000	904	SIGN ERECTION, TYPE D	7	EA.
4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD	2	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	58	EA.

General Notes:

- . SIGNS FURNISHED BY STATE
- . 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
- . 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.
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.

Pay Item Notes:

- | | |
|---|-----------------------------------|
| 1 | DISPOSAL OF SIGN SYSTEM, WOOD |
| 2 | DISPOSAL OF SIGN SYSTEM U-CHANNEL |

Project Notes:


- | | |
|---|--|
| A | REPLACE PROPOSED SIGNS IN EXISTING LOCATION PLUS OR MINUS 25 FT. |
|---|--|

INDEX

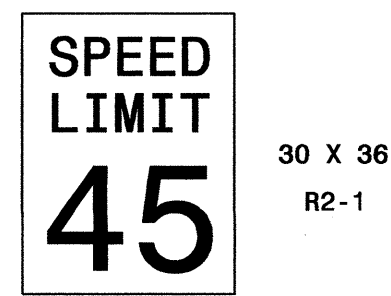
SHEET NO.	DESCRIPTION
SIGN-1	SIGNING PLAN COVER SHEET
SIGN-2-3	E & F SHEETS
SIGN-3A & 3B	TYPE "D" SIGNS
SIGN-4-9	EXISTING & PROPOSED SIGNS

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

AYMAN I. ALQUDWAH P.E. SIGNING & DELINEATION REGIONAL ENGINEER
BARRY NOWLIN SIGNING & DELINEATION PROJECT DESIGN TECHNICIAN

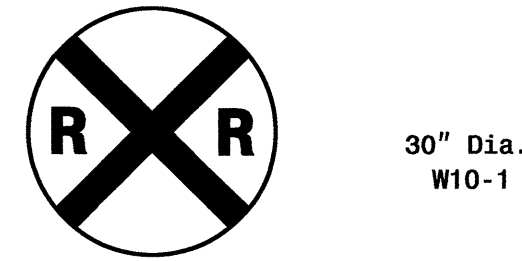
TIP NO. U-4422	SHEET NO. SIGN-2
APPROVED: <i>Amman Elgubani</i>	
DATE: 3-6-12	
SEAL	
	

401 QUANTITY REQ'D 3



ONE "U" POST PER SIGN

406 QUANTITY REQ'D 2



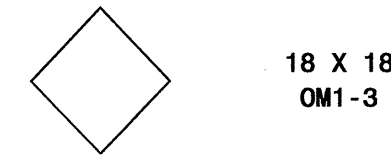
ONE "U" POST PER SIGN

411 QUANTITY REQ'D 6



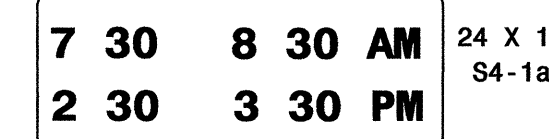
MOUNT BELOW SIGN 410
IN 6 INSTALLATIONS
ONE "U" POST PER SIGN

416 QUANTITY REQ'D 6



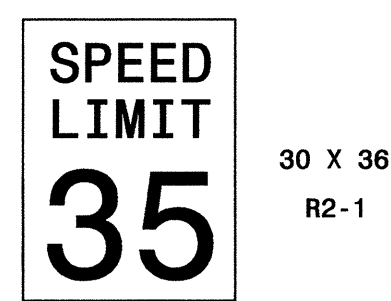
MOUNT BELOW SIGN 405
IN 6 INSTALLATIONS

423 QUANTITY REQ'D 2



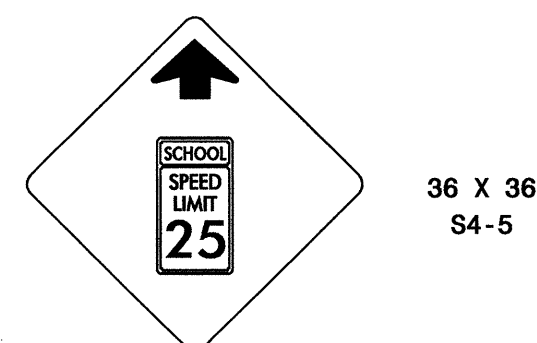
MOUNT BELOW SIGN 422
IN 2 INSTALLATIONS

402 QUANTITY REQ'D 4



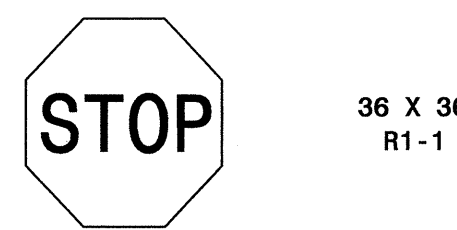
ONE "U" POST PER SIGN

407 QUANTITY REQ'D 2



YELLOW/GREEN REFLECTIVE SHEETING
ONE "U" POSTS PER SIGN

412 QUANTITY REQ'D 1



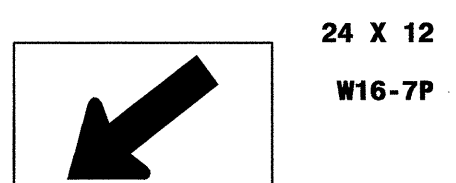
ONE "U" POST PER SIGN

419 QUANTITY REQ'D 2



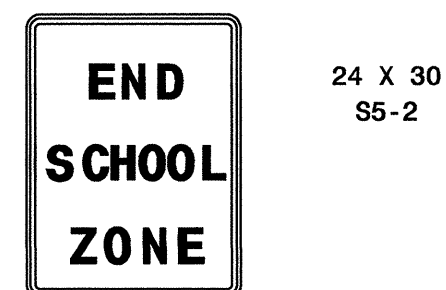
MOUNT BELOW SIGN 404
IN 2 INSTALLATIONS

403 QUANTITY REQ'D 30



YELLOW/GREEN REFLECTIVE SHEETING
MOUNT BELOW SIGN 404
IN 10 INSTALLATIONS
MOUNT BELOW SIGN 415
IN 20 INSTALLATIONS
ONE "U" POSTS PER SIGN

408 QUANTITY REQ'D 0



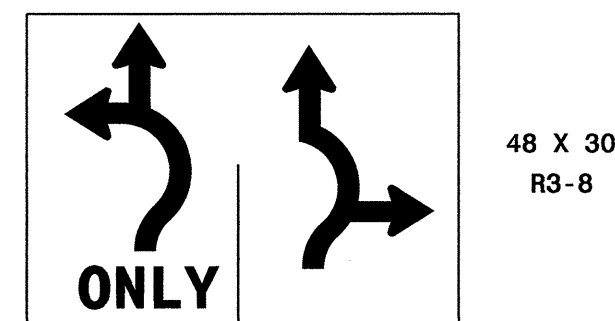
ONE "U" POSTS PER SIGN

413 QUANTITY REQ'D 17



MOUNT ABOVE SIGN 418
IN 6 INSTALLATIONS
ONE "U" POST PER SIGN

420 QUANTITY REQ'D 6



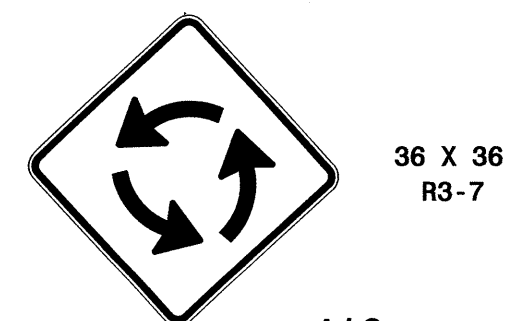
TWO "U" POST PER SIGN

404 QUANTITY REQ'D 12



YELLOW/GREEN REFLECTIVE SHEETING
MOUNT ABOVE SIGN 403
IN 10 INSTALLATIONS
MOUNT ABOVE SIGN 419
IN 2 INSTALLATIONS
ONE "U" POSTS PER SIGN

409 QUANTITY REQ'D 6



MOUNT ABOVE SIGN 410
IN 6 INSTALLATIONS
ONE "U" POST PER SIGN

414 QUANTITY REQ'D 11



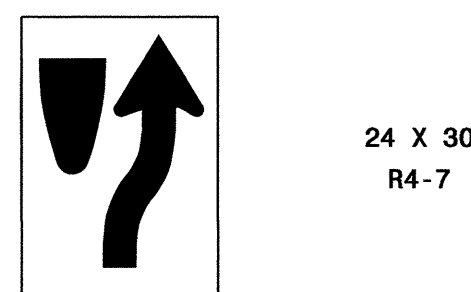
TWO "U" POSTS PER SIGN

421 QUANTITY REQ'D 2



MOUNT ABOVE SIGN 422
IN 2 INSTALLATIONS

405 QUANTITY REQ'D 8



MOUNT ABOVE SIGN 416
IN 6 INSTALLATIONS
ONE "U" POSTS PER SIGN

410 QUANTITY REQ'D 6



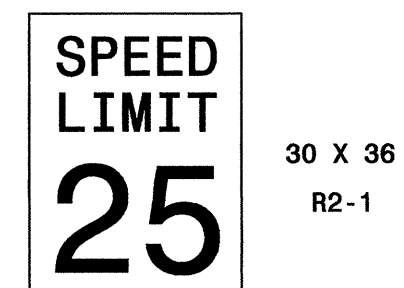
MOUNT ABOVE SIGN 411
IN 6 INSTALLATIONS

415 QUANTITY REQ'D 20



MOUNT ABOVE SIGN 403
IN 20 INSTALLATIONS
YELLOW/GREEN REFLECTIVE SHEETING
ONE "U" POST PER SIGN


422 QUANTITY REQ'D 2



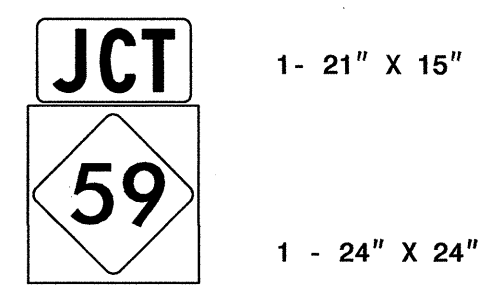
ONE "U" POST PER SIGN

TYPE "E" SIGNS

Q7-MAR-2012 12:41
 R:\Traffic\Signs\ADD\Quantities & GM Signs\U-4422_Sgn_SGN_seedf1e2.dgn
 bnoo1in AT 1E279315

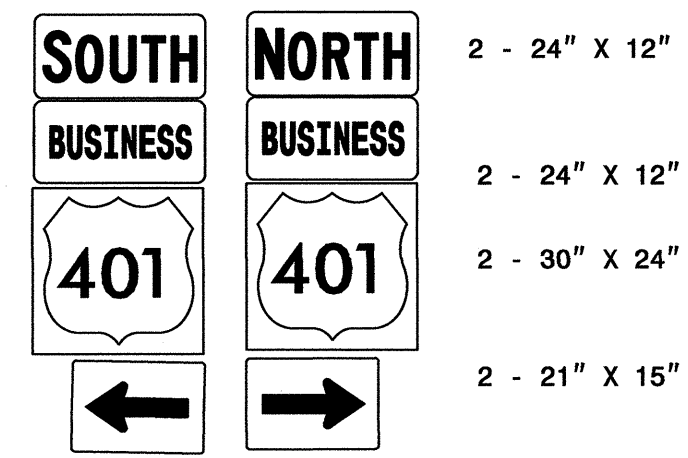
TIP NO. U-4422	SHEET NO. SIGN-3
APPROVED: <i>[Signature]</i>	
DATE: 3-5-12	
SEAL	
	

501 QUANTITY REQ'D __ 1 __



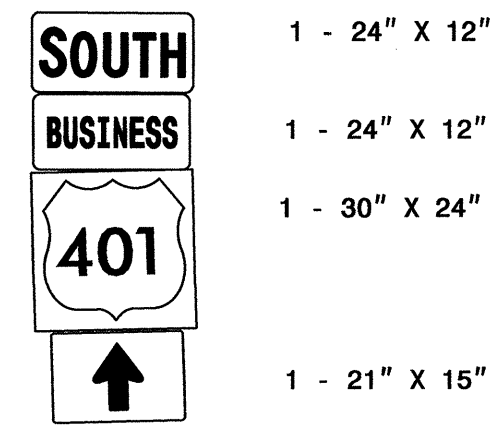
ONE "U" POST PER SIGN

506 QUANTITY REQ'D __ 1 __



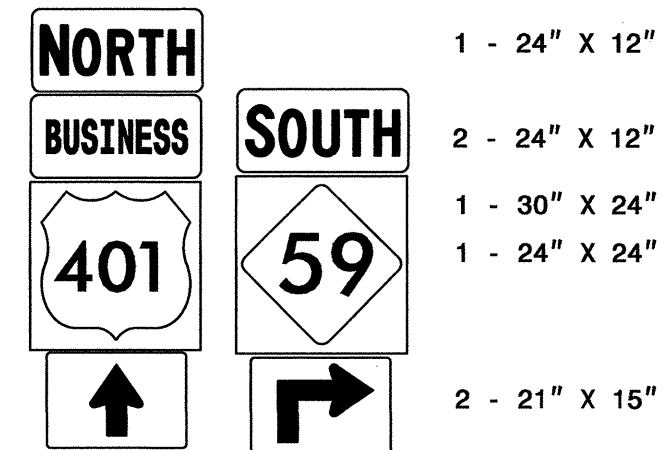
TWO "U" POST PER SIGN

511 QUANTITY REQ'D __ 1 __



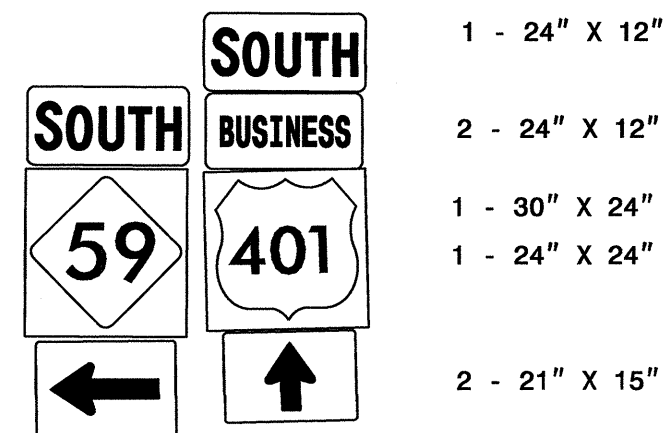
ONE "U" POST PER SIGN

502 QUANTITY REQ'D __ 1 __



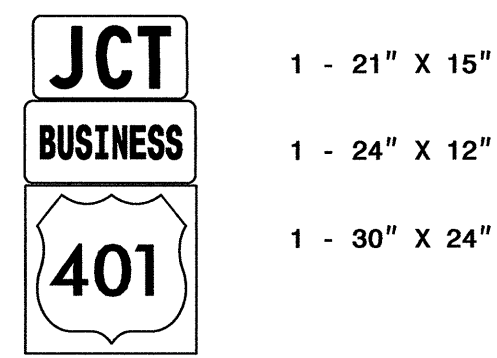
TWO "U" POST PER SIGN

507 QUANTITY REQ'D __ 1 __



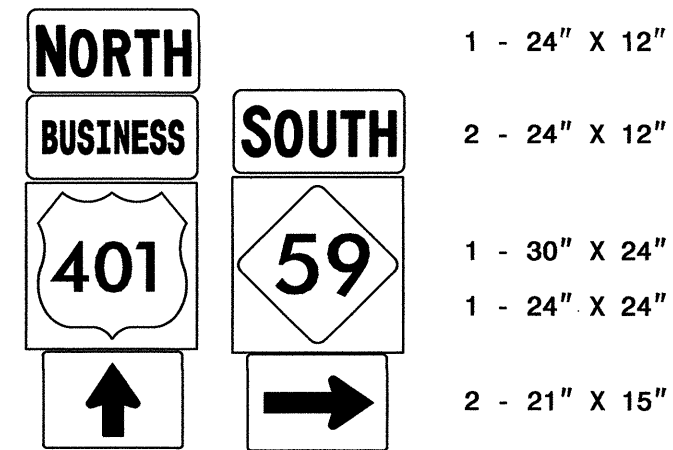
TWO "U" POST PER SIGN

512 QUANTITY REQ'D __ 1 __



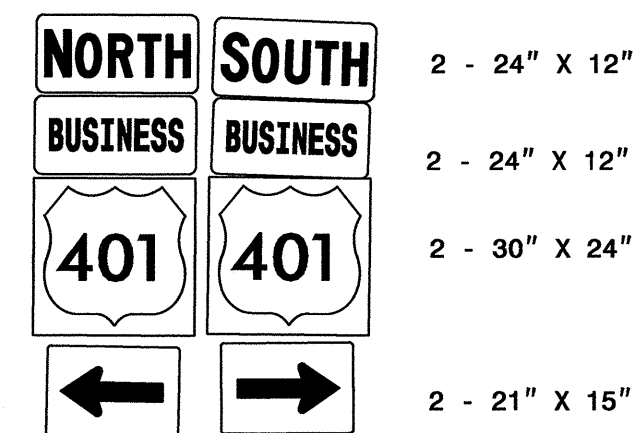
ONE "U" POST PER SIGN

503 QUANTITY REQ'D __ 1 __



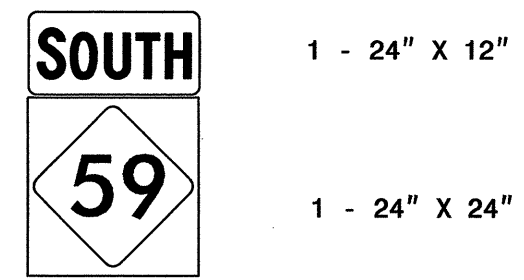
TWO "U" POST PER SIGN

508 QUANTITY REQ'D __ 1 __



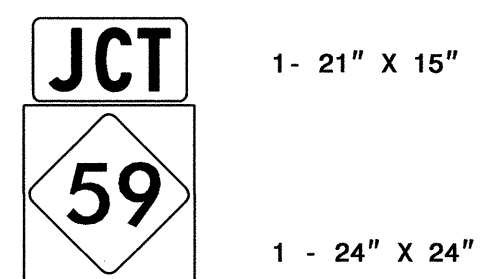
TWO "U" POST PER SIGN

504 QUANTITY REQ'D __ 1 __



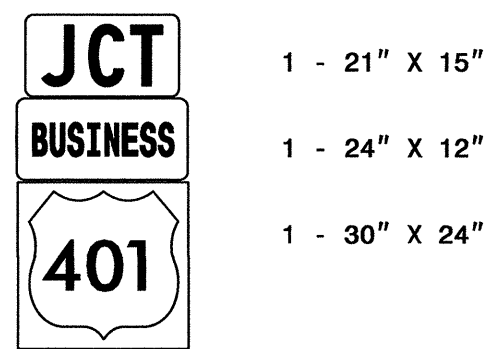
ONE "U" POST PER SIGN

509 QUANTITY REQ'D __ 1 __



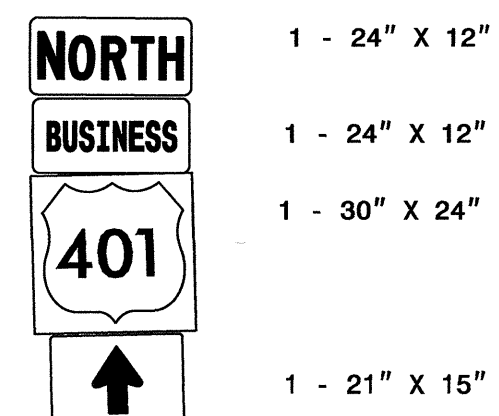
ONE "U" POST PER SIGN

505 QUANTITY REQ'D __ 1 __



ONE "U" POST PER SIGN

510 QUANTITY REQ'D __ 1 __



ONE "U" POST PER SIGN

TYPE "F" SIGNS

Q:\MAR-2012\3133
 R:\Traffic\Signs\CADD\Quantities & GM Signs\U-4422\Sgn-SGN_seef1.e2.dgn
 brown AI 1E24/215

TIP NO. U-4422	SHEET NO. SIGN-3A
APPROVED: <i>[Signature]</i>	
DATE: 3-5-12	
SEAL	

SIGN NUMBER: 301
TYPE: D
QUANTITY: 1
SIGN WIDTH: 6'-6"
HEIGHT: 2'-0"
TOTAL AREA: 13.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADIUS: 1.75"
NO. Z BARS: LENGTH:

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARUP	64.3	9	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: none
PROJECT ID: U-4422
CHECKED BY: DIV: 06
DATE: Feb 21, 2012

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 POSITIONS

Letter spacings are to start of next letter													Series/Size			
													Text Length			
B	e	r	e	a	n	B	a	p	t	i	s	t	D 2000			
4.7	4.7	4.4	2.8	4.1	4.6	3.5	6	4.7	4.6	4	3.1	1.8	3.1	2.4	19.7	53.6
A	c	a	d	e	m	y	D 2000									
14.5	5.6	4	4.3	4.6	4.4	6.6	4.5	29.5	34							

FILENAME: U-4422_Sgn_Sgn_Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302
TYPE: D
QUANTITY: 1
SIGN WIDTH: 5'-6"
HEIGHT: 2'-6"
TOTAL AREA: 13.8 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADIUS: 3"
NO. Z BARS: LENGTH:

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: none
PROJECT ID: U-4422
CHECKED BY: DIV: 06
DATE: Feb 16, 2012

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 POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
H	o	p	e	M	i	l	l	s	5	D 2000			
6.2	5.2	4.6	4.3	3.5	6	2.2	2.2	1.8	2.8	10.9	4.1	6.2	53.6
T	o	U	S	3	0	1	7	D 2000					
6.2	4.3	3.7	6	5.1	4.1	6	5.3	5.5	1.5	8.2	4.1	6.2	53.6

FILENAME: U-4422_Sgn_Sgn_Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 303
TYPE: D
QUANTITY: 1
SIGN WIDTH: 5'-6"
HEIGHT: 2'-6"
TOTAL AREA: 13.8 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADIUS: 3"
NO. Z BARS: LENGTH:

BACKG COLOR: Green / Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	12.2	19.3	6	9
AR_Type D	50	4.7	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: none
PROJECT ID: U-4422
CHECKED BY: DIV: 06
DATE: Feb 21, 2012

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 POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
R	a	e	f	o	r	d	D 2000						
27.2	4.7	4.3	4	2.6	4.6	2.8	3.6	12.2	26.6				
F	a	y	e	t	t	v	i	l	e	D 2000			
7	4.2	4.1	5	3.8	2.5	2.6	5	2.2	2.2	1.9	3.5	22	37

FILENAME: U-4422_Sgn_Sgn_Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 304
TYPE: D
QUANTITY: 1
SIGN WIDTH: 5'-6"
HEIGHT: 2'-6"
TOTAL AREA: 13.8 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADIUS: 3"
NO. Z BARS: LENGTH:

BACKG COLOR: Green / Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	8.5	17.8	6	9
AR_Type D	50.8	4.7	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: none
PROJECT ID: U-4422
CHECKED BY: DIV: 06
DATE: Feb 21, 2012

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 POSITIONS


Letter spacings are to start of next letter													Series/Size
													Text Length
F	a	y	e	t	t	v	i	l	e	D 2000			
20.5	4.2	4.1	5	3.8	2.5	2.6	5	2.2	2.2	1.9	3.5	8.5	37
H	o	p	e	M	i	l	s	D 2000					
6.2	5.2	4.6	4.3	3.5	6	6	2.2	2.2	1.8	2.8	21.2	38.6	

FILENAME: U-4422_Sgn_Sgn_Designs NORTH CAROLINA D.O.T. SIGN DETAIL

TYPE 'D' SIGNS

Q:\MAR-2012\346 R:\Traffic\Signs\CADD\Type 'D' Sign Designs\U-4422_Sgn_Sgn_Designs.dgn showlin AT 12/27/2015

TIP NO. U-4422	SHEET NO. SIGN-38
APPROVED: <i>[Signature]</i>	
DATE: 2-5-12	
SEAL	



SIGN NUMBER: 305 BACKG COLOR: Green
TYPE: D COPY COLOR: White

QUANTITY: 1

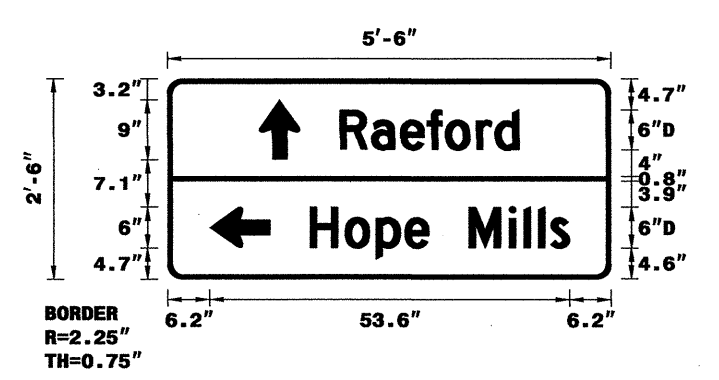
SYMBOL	X	Y	WID	HT
AR_Type D	13.7	17.8	6	9
AR_Type D	6.2	4.7	6	9

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

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADIUS: 2.25"

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: none CHECKED BY: DATE: Feb 15, 2012
PROJECT ID: U-4422 DIV: 06



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
	R	a	e	f	o	r	d						D 2000
25.7	4.7	4.3	4	2.6	4.6	2.8	3.6	13.7					26.6
	H	o	p	e	M	i	l	l	s				D 2000
21.2	5.2	4.6	4.3	3.5	6	6	2.2	2.2	1.8	2.8	6.2		38.6

FILENAME: U-4422_Sgn_Sgn_Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 306 BACKG COLOR: Green
TYPE: D COPY COLOR: White

QUANTITY: 1

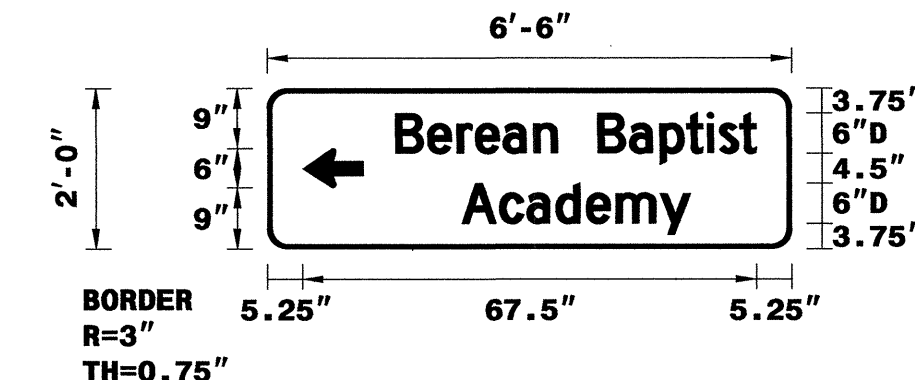
SYMBOL	X	Y	WID	HT
AR_Type D	5.3	9	6	9

SIGN WIDTH: 6'-6"
HEIGHT: 2'-0"
TOTAL AREA: 13.0 Sq.Ft.

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

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: none CHECKED BY: DATE: Feb 20, 2012
PROJECT ID: ID DIV: 06



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			
	B	e	r	e	a	n	B	a	p	t	i	s	t	D 2000		
19.1	4.7	4.4	2.8	4.1	4.6	3.5	6	4.7	4.6	4	3.1	1.8	3.1	2.4	5.3	53.6
	A	c	a	d	e	m	y							D 2000		
28.9	5.6	4	4.3	4.6	4.4	6.6	4.5	15.1						34		

FILENAME: U-4422_Sgn_Sgn_Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 307 BACKG COLOR: Green / Green
TYPE: D COPY COLOR: White

QUANTITY: 1

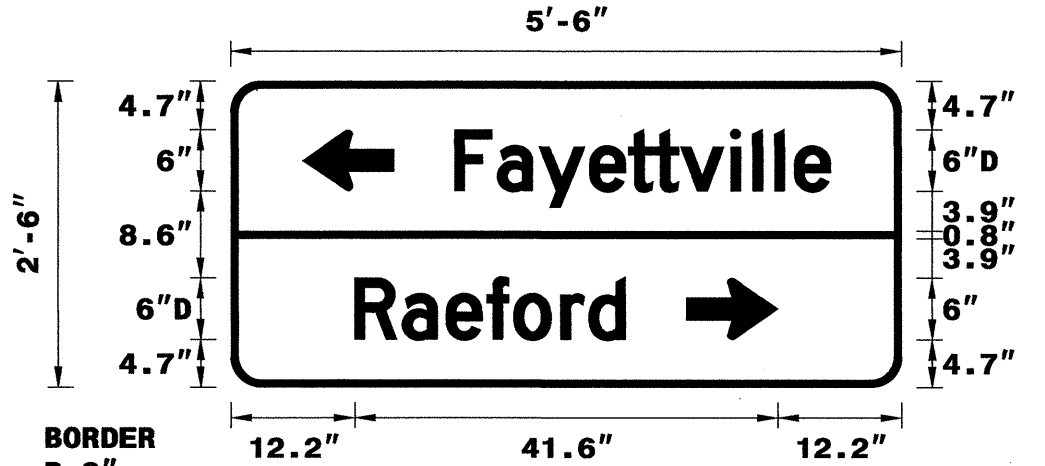
SYMBOL	X	Y	WID	HT
AR_Type D	7	19.3	6	9
AR_Type D	44.8	4.7	6	9

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

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

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: none CHECKED BY: DATE: Feb 21, 2012
PROJECT ID: U-4422 DIV: 06



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

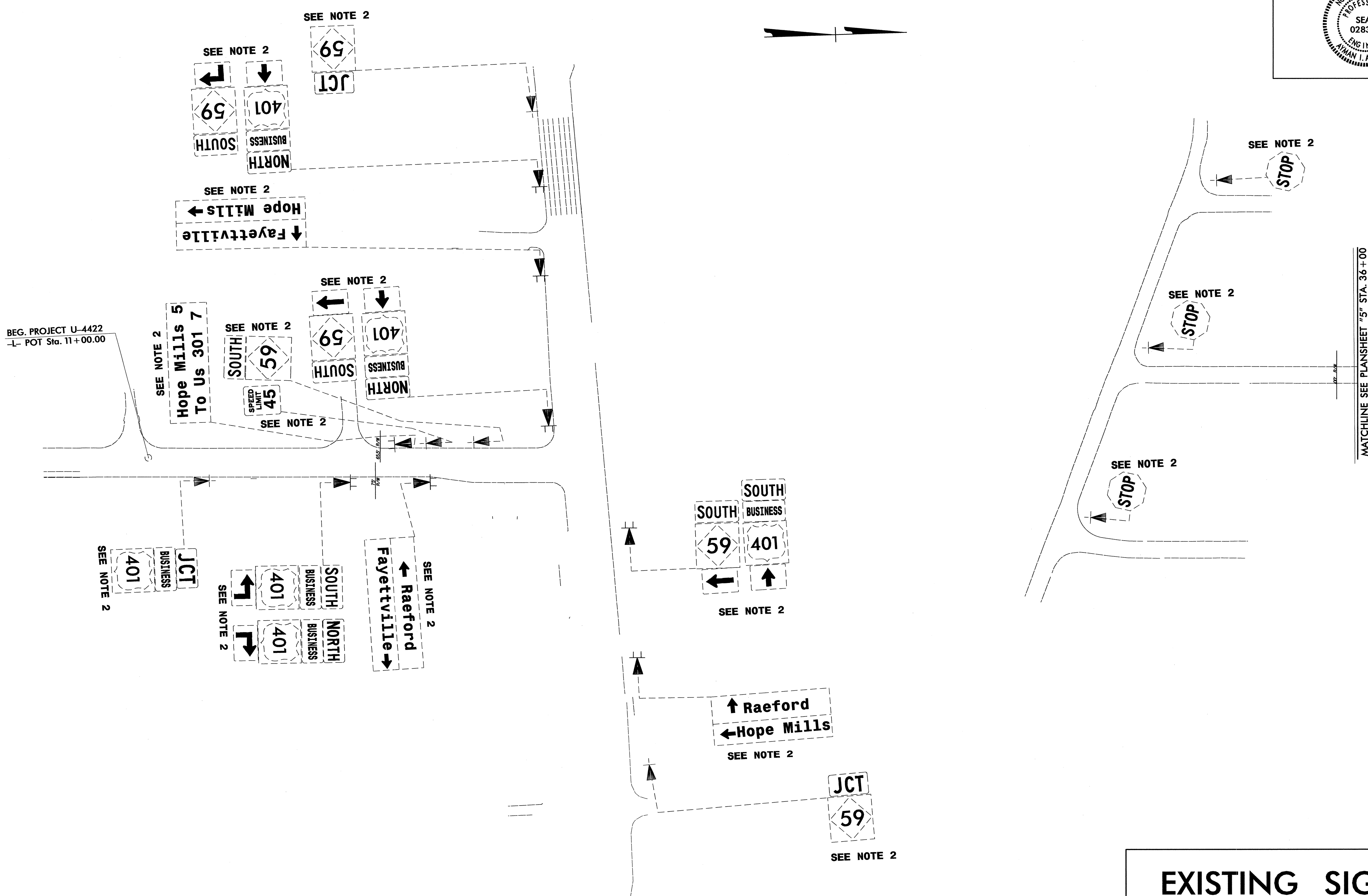
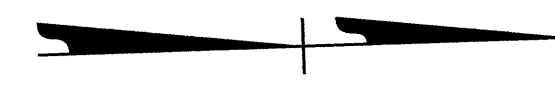
Letter spacings are to start of next letter													Series/Size
													Text Length
	F	a	y	e	t	t	v	i	l	l	e		D 2000
22	4.2	4.1	5	3.8	2.5	2.6	5	2.2	2.2	1.9	3.5	7	37
	R	a	e	f	o	r	d						D 2000
12.2	4.7	4.3	4	2.6	4.6	2.8	3.6	27.2					26.6

FILENAME: U-4422_Sgn_Sgn_Designs NORTH CAROLINA D.O.T. SIGN DETAIL

TYPE 'D' SIGNS

Q:\MAR-2012\347\R:\refric\signing\347\ADD\Type 'D' Sign Designs\U-4422_Sgn_Sgn_Designs.dgn
brodin 12/27/11

TIP NO. U-4422	SHEET NO. SIGN 4
APPROVED: <i>[Signature]</i>	
DATE: 3-5-12	
SEAL	

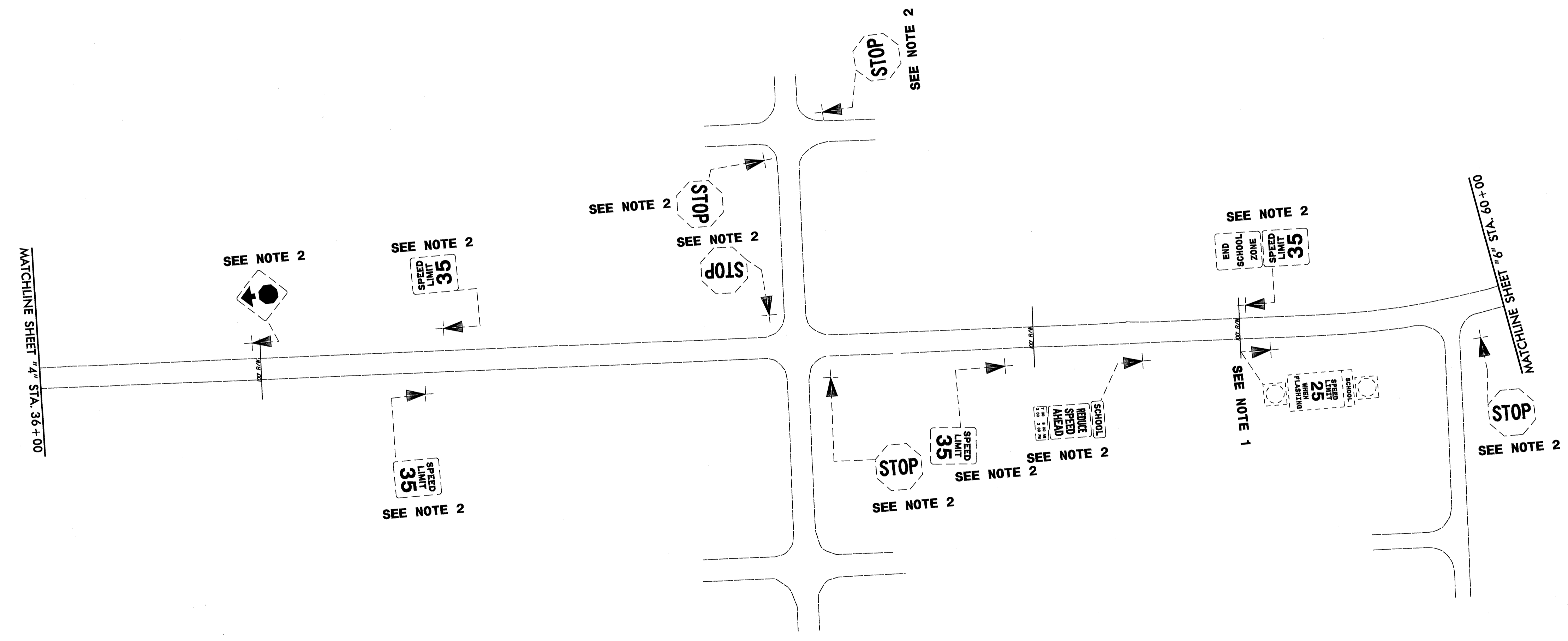
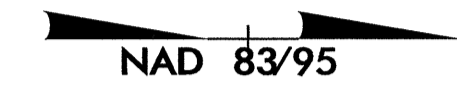


EXISTING SIGNS

01-MAR-2012 14:25
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 Brownlin AT 11/24/11

BEG. PROJECT U-4422
 - POT Sta. 11+00.00

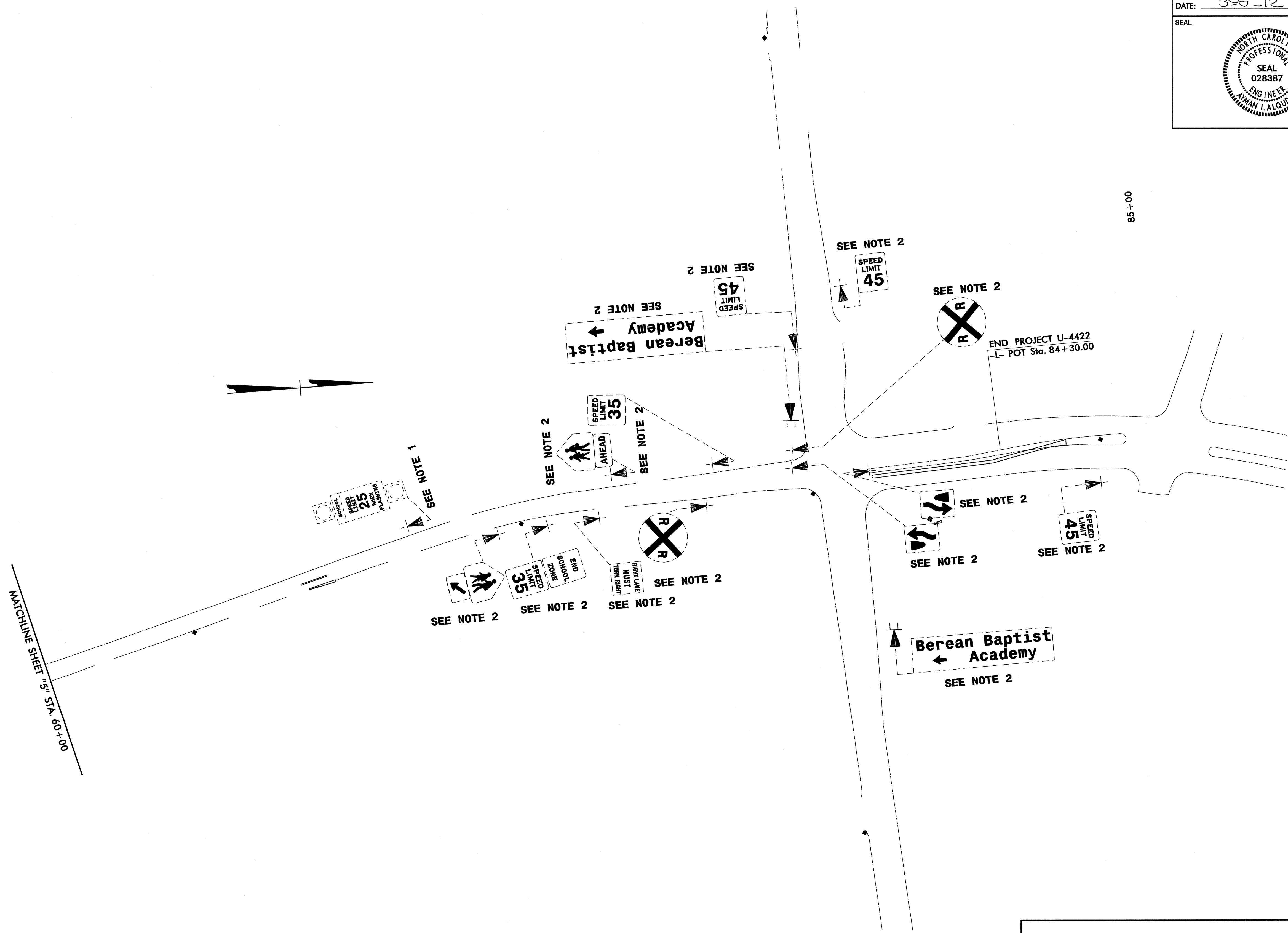
TIP NO. U-4422	SHEET NO. SIGN-5
APPROVED: <i>[Signature]</i>	
DATE: 3-5-12	
SEAL	



EXISTING SIGNS

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brow.in Al 12/27/12


TIP NO. U-4422	SHEET NO. SIGN-6
APPROVED: <i>[Signature]</i>	
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SEAL	

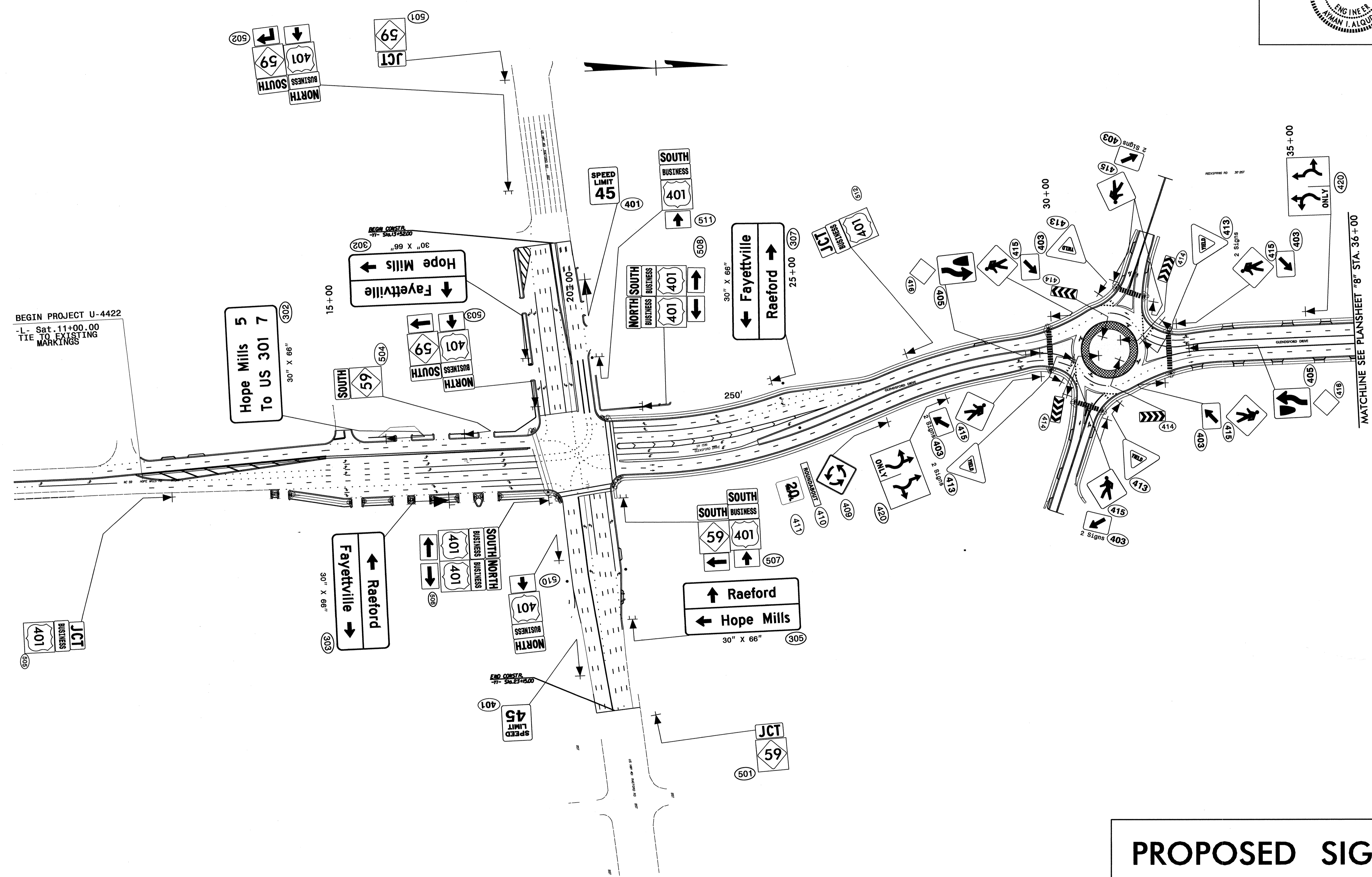


EXISTING SIGNS

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MATCHLINE SHEET 5" STA. 84+00+00

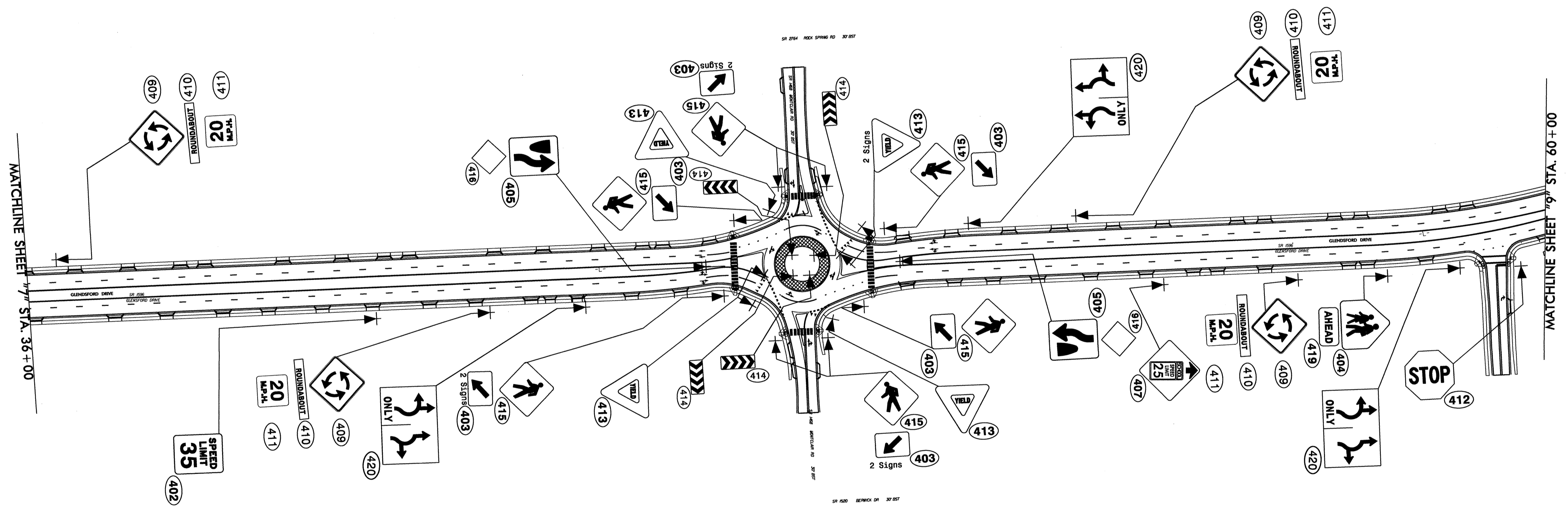
TIP NO.	SHEET NO.
U-4422	SIGN-7
APPROVED: <i>John S. [Signature]</i>	
DATE: 3-6-12	
SEAL	
	



PROPOSED SIGNS

07-MAR-2012 13:33
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 bnoo.lin

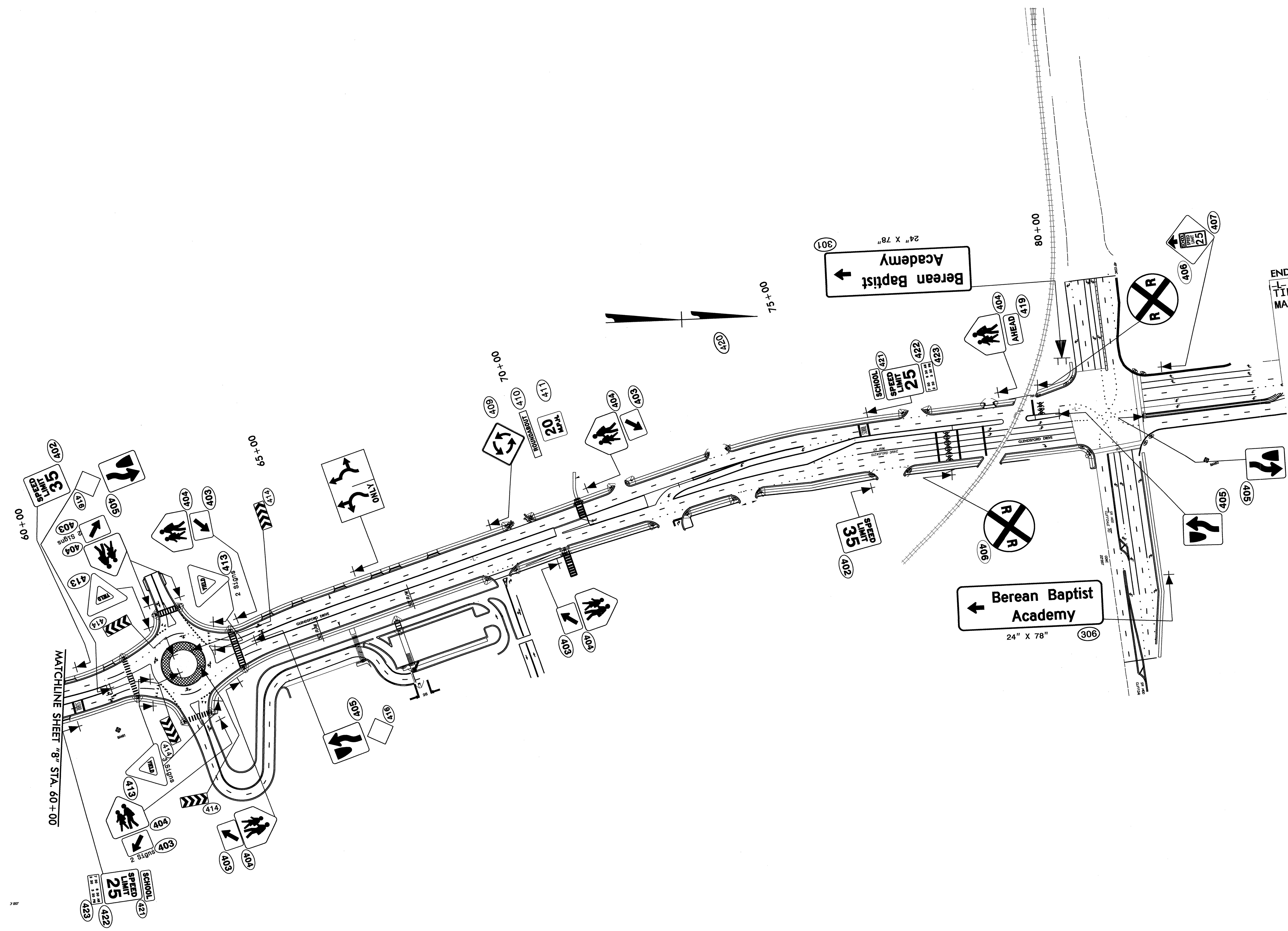
TIP NO.	SHEET NO.
U-4422	SIGN-8
APPROVED: <i>Ayman I. Alqudhi</i>	
DATE: 3-6-12	
SEAL	



PROPOSED SIGNS

07-MAR-2012 13:35
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TIP NO.	SHEET NO.
U-4422	SIGN-9
APPROVED: <i>Amman Alquodhi</i>	
DATE: 3-6-12	
SEAL	



END PROJECT U-4422
 ± POT Sta. 84+30.00
 TIE TO EXISTING
 MARKINGS

PROPOSED SIGNS

07-MAR-2012 15:44
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 brownlin