

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

TIP NO. U-3423	SHEET NO. SIGN-1
APPROVED: <i>[Signature]</i>	
DATE: 3/10/10	
SEAL	

**SIGNING PLAN
CUMBERLAND COUNTY**

LOCATION: NC 24 - 87 (BRAGG BOULEVARD)
FROM THE US 401 BYPASS TO NORTH OF
SR 1437 (SANTE FE DRIVE /SHAW ROAD)

T.I.P.: U-3423

CONTRACT: C202435

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4057000000	SP	OVERHEAD FOOTING	51	C.Y.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	1594	L.F.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "13+50 -L-"	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "20+22 -L-"	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "15+90 -L-"	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "36+00 -L-"	1	L.S.
4096000000	904	SIGN ERECTION, TYPE D	1	EA.
4102000000	904	SIGN ERECTION, TYPE E	80	EA.
4108000000	904	SIGN ERECTION, TYPE F	2	EA.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)	1	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E	5	EA.
4149000000	907	DISPOSAL OF SIGN SYSTEM, OVERHEAD	2	EA.
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	1	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	99	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	5	EA.
4234000000	907	DISPOSAL OF SIGN, A OR B (OVERHEAD)	1	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 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 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.

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
901.10	TYPE 'A' SIGNS
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

PAY ITEM NOTES

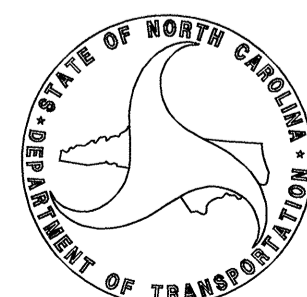
- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SUPPORT, U-CHANNEL
- 3 RELOCATE SIGN, TYPE E
- 4 DISPOSAL OF SIGN SYSTEM, OVERHEAD
- 5 DISPOSAL OF SIGN, A OR B (OVERHEAD)
- 6 DISPOSAL OF SIGN SYSTEM, STEEL BEAM


INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET, NOTES, & SUMMARY OF QUANTITIES
SIGN-2A thru 2E	OVERHEAD SIGN SUPPORT SHEETS
SIGN-3A thru 3D	SIGN DESIGN SHEETS
SIGN-3E	E SIGN SHEET
SIGN-3F	F SIGN SHEET
SIGN-4 thru 11	SIGN DETAIL SHEETS

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

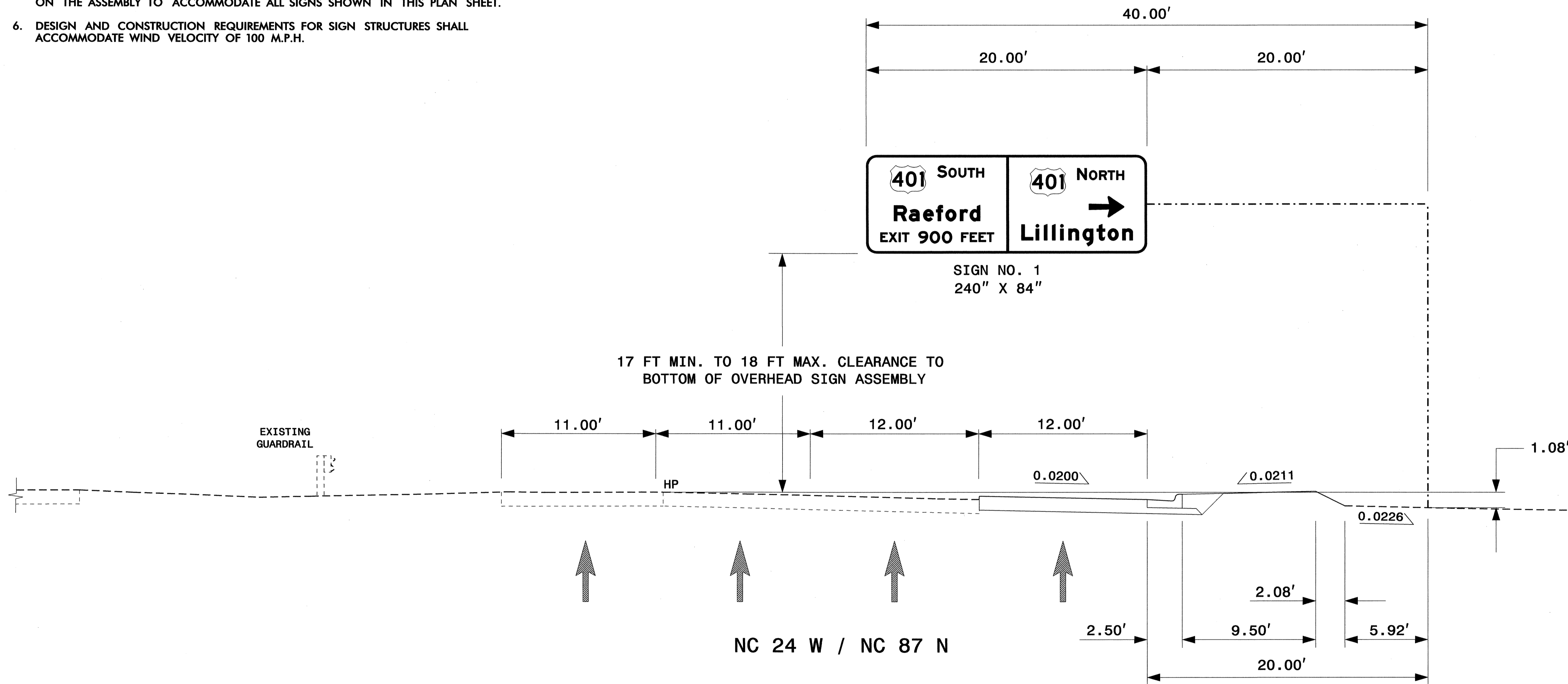
A.I.ALQUDWAH, P.E. SIGNING & DELINEATION REGIONAL ENGINEER
D.M.EATON SIGNING & DELINEATION PROJECT DESIGN ENGINEER/TECHNICIAN




STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N.C.	U-3423	SIGN-2A	
APPROVED: <i>[Signature]</i>			
DATE: 3/10/10			
SEAL			
			

NOTES:

- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
- FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
- THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
- SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 100 M.P.H.

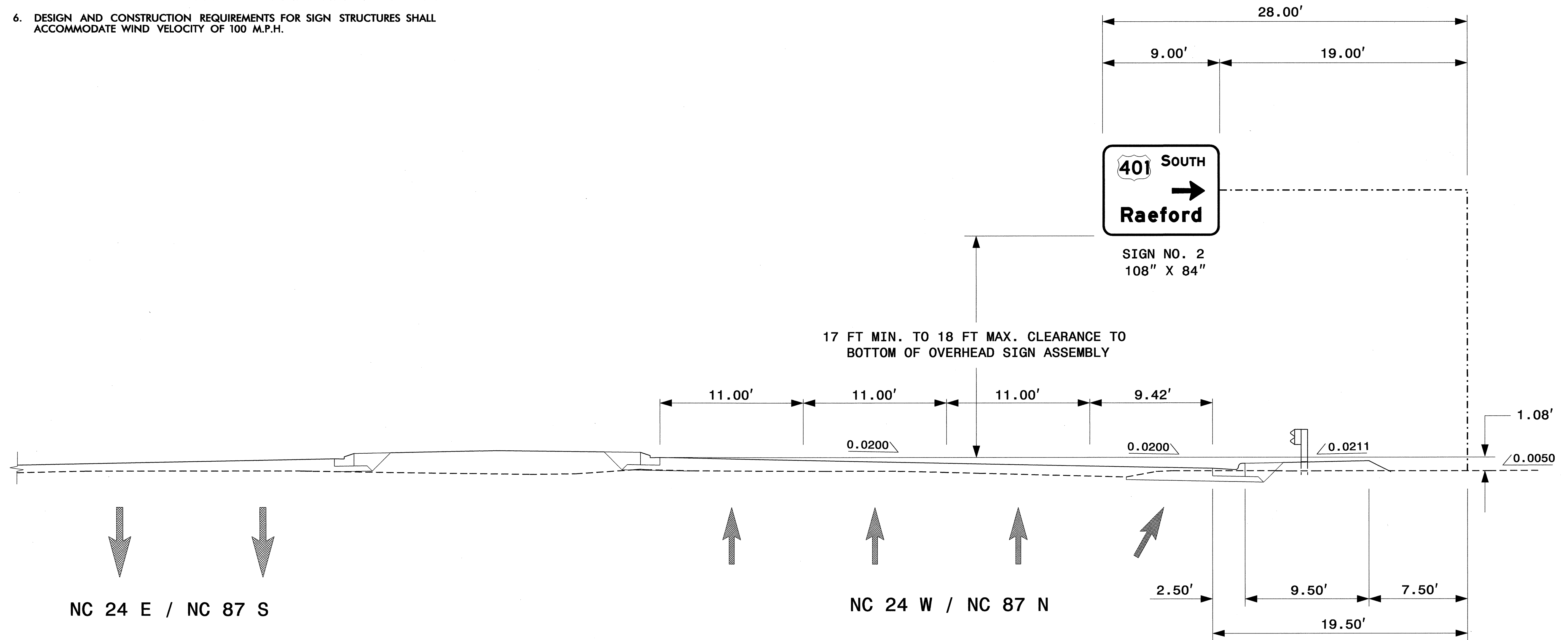


PROPOSED OVERHEAD SIGN ASSEMBLY
AT STA. 13+50 -L-


STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N. C.	U-3423	SIGN-2B	
APPROVED: <i>[Signature]</i>			
DATE: 3/10/10			
SEAL			
			

NOTES:

- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
- FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
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- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 100 M.P.H.

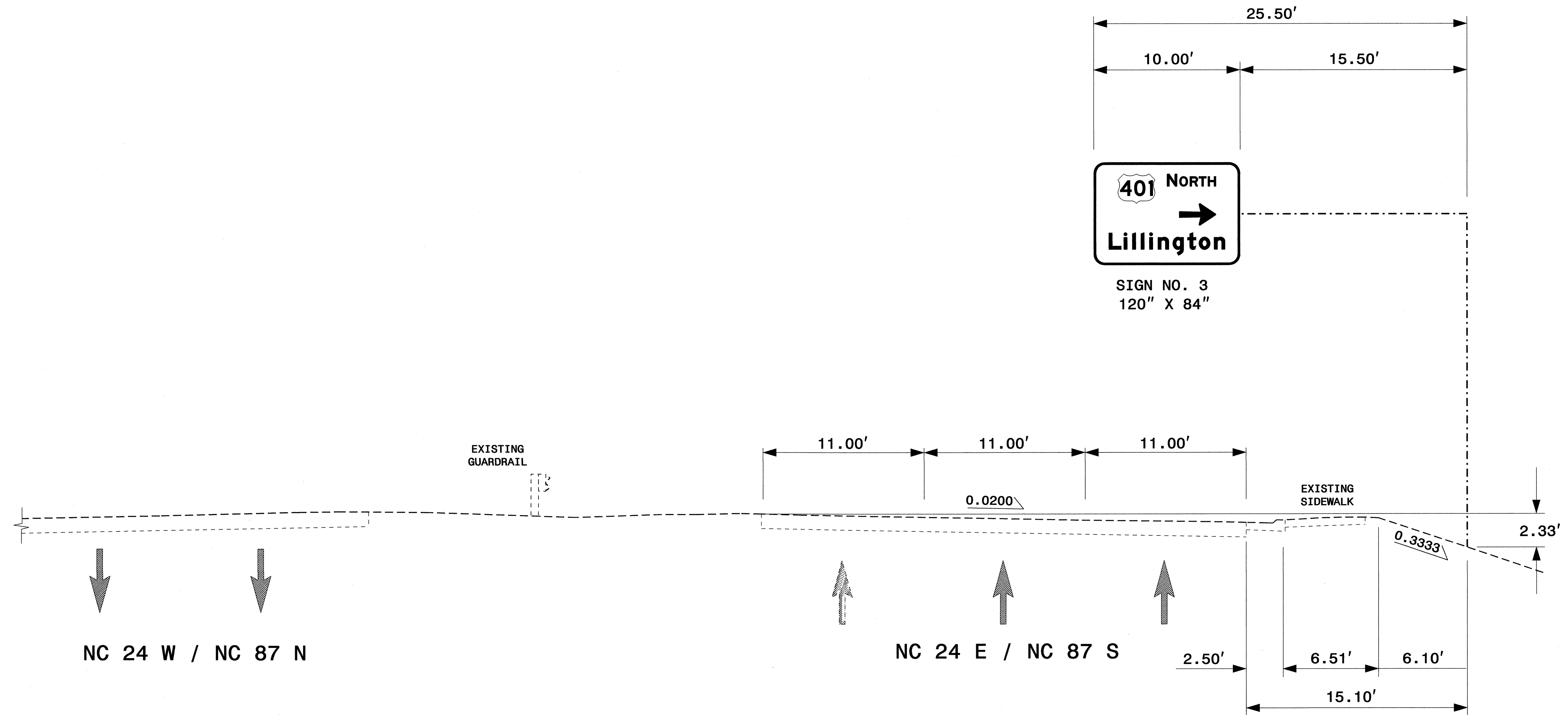


PROPOSED OVERHEAD SIGN ASSEMBLY
AT STA. 20+22 -L-

STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N. C.	U-3423	SIGN-2C	
APPROVED: <i>Ayman I. Al-Qudus</i>			
DATE: 3/10/10			
SEAL			
			

NOTES:

1. IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
2. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
3. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
4. THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
5. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
6. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 100 M.P.H.



PROPOSED OVERHEAD SIGN ASSEMBLY
AT STA. 15+90 -L-

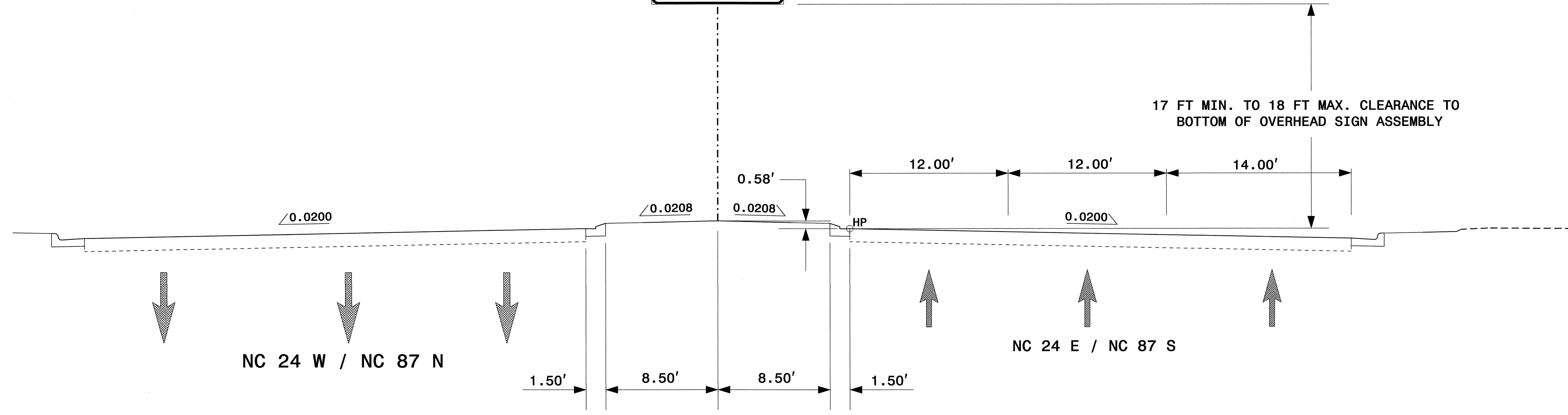
STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N.C.	U-3423	SIGN-2D	
APPROVED: <i>[Signature]</i>			
DATE: 3/10/10			
SEAL			

SIGN NO. 5
120" X 120"

401

**Lillington
Raeford**

EXIT 1/4 MILE
RIGHT LANE



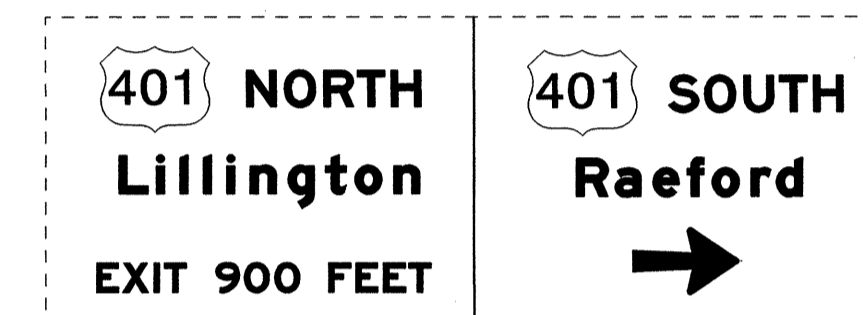
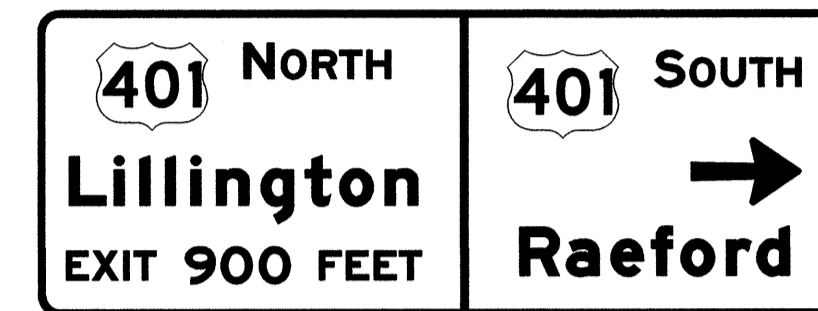
NOTES:

1. IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
2. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
3. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
4. THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
5. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
6. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 100 M.P.H.

**PROPOSED OVERHEAD SIGN ASSEMBLY
AT STA. 36+00 -L-**

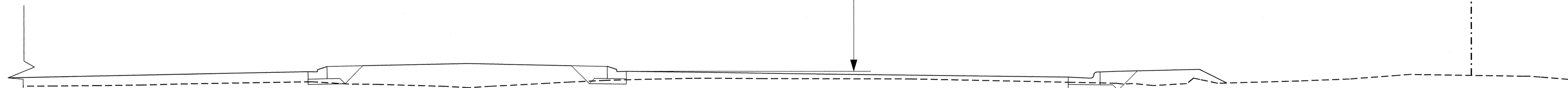
STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N.C.	U-3423	SIGN-2E	
APPROVED: <i>[Signature]</i>			
DATE: 3/10/10			
SEAL			

PROPOSED SIGN NO. 4
222" X 84"

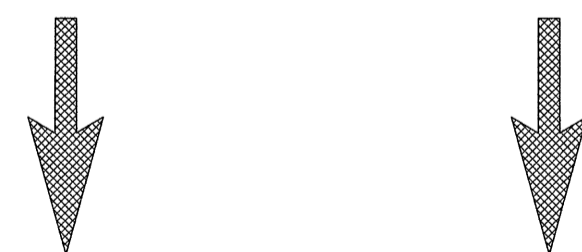


EXISTING SIGN
REMOVE AND DISPOSE

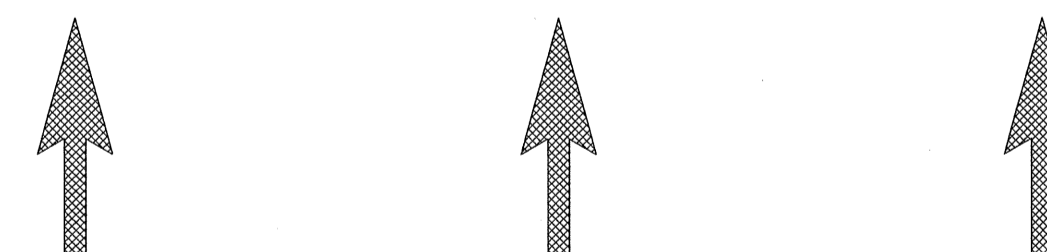
17 FT MIN. CLEARANCE TO BOTTOM OF
OVERHEAD SIGN ASSEMBLY



NC 24 W / NC 87 N




NC 24 E / NC 87 S



NOTES:

1. ATTACH NEW OVERHEAD SIGN TO EXISTING OVERHEAD SIGN ASSEMBLY.
2. THE BOTTOM EDGE OF ALL SIGNS IN EACH ASSEMBLY SHALL BE LOCATED IN A HORIZONTAL PLANE.

EXISTING OVERHEAD SIGN ASSEMBLY
AT STA. 23+07 -L-

TIP NO. U-3423	SHEET NO. SIGN-3A
APPROVED: <i>[Signature]</i>	
DATE: 3/10/10	
SEAL	
	

SIGN NUMR: 1
 TYPE: A Overhead
 QUANTITY: 1

SIGN WIDTH: 20'-0"
 HEIGHT: 7'-0"
 TOTAL AREA: 140.0 Sq.Ft.

MAT'L: 0.125" ALUMINUM

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 9"

NO. Z BARS: 3
 LENGTH: 232.0 "


BACKG. COLOR: Green
 COPY COLOR: White

DESIGN BY: DME
 PROJECT ID: U-3423

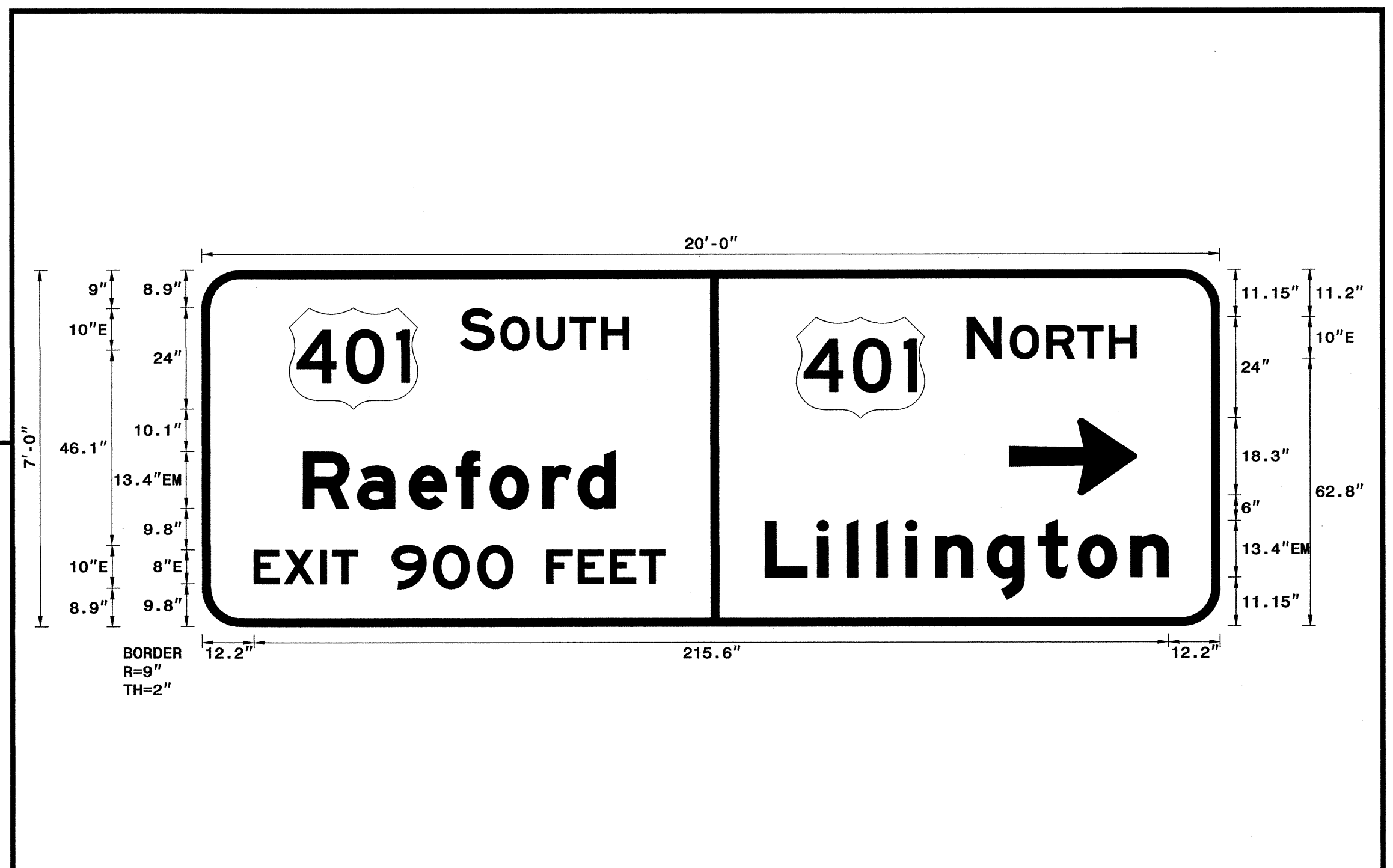
CHK BY:
 DIV: 6

STD #: \$STN
 DATE: Mar 05, 2010

N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT



SYMBOL	X	Y	WID	HT
M1_4	20.6	51.2	30.3	24
M1_4	140.1	48.8	30.3	24
ARMED	190.4	30.6	18.3	30




- USE NOTES: 1,3,5
- Legend and border shall be direct applied Grade A reflective sheeting.
 - Legend and border shall be direct applied Grade C reflective sheeting.
 - Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
 - Background shall be Grade B reflective sheeting.
 - Background shall be Grade C reflective sheeting.
 - Center arrow(s) vertically on sign.

Letter spacings are to start of next letter														Series/Size	
														Text Length	
	S		O	U	T	H									E 2000
60.9	8.1	1.5	8.6	7.8	7.4	6.5	139.3								39.8
	N		O	R	T	H									E 2000
180.4	8.1	2.1	8.6	7.4	7.4	6.5	19.6								40
	R	a	e	f	o	r	d								EM 2000
23.8	12.8	12.2	11.1	8	12.4	8.3	8.8	142.5							73.6
	L	i	l	l	i	n	g	t	o	n					EM 2000
132.7	12.3	7	7	7	7	12.2	12.1	9.4	12.4	8.8	12.2				95.1
	E	X	I	T		9	0	0		F	E	E	T		E 2000
12.2	7.1	8.6	2.8	6	8	9.8	10.4	8.4	8	7.4	7.6	6.9	6	130.9	96.9

Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

08-MAR-2010 15:42
 C:\Users\meaton\Documents\Projects\Traffic\Signing\CADD\Sign Designs\U3423\signs.dgn
 meaton

SIGN DESIGNS

TIP NO. U-3423	SHEET NO. SIGN-38
APPROVED: <i>[Signature]</i>	
DATE: 3/10/10	
SEAL	
	

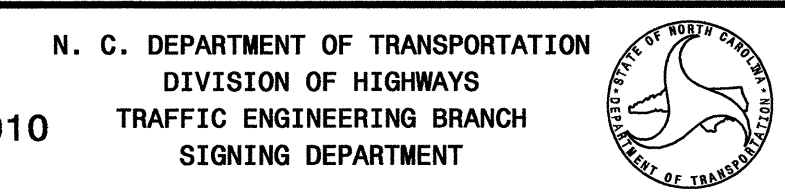
SIGN NUMR: 4
 TYPE: A Overhead
 QUANTITY: 1

BACKG. COLOR: Green
 COPY COLOR: White

DESIGN BY: DME
 PROJECT ID: U-3423

CHK BY:
 DIV: 6

STD #: \$STN
 DATE: Mar 05, 2010



SIGN WIDTH: 18'-6"
 HEIGHT: 7'-0"
 TOTAL AREA: 129.5 Sq.Ft.

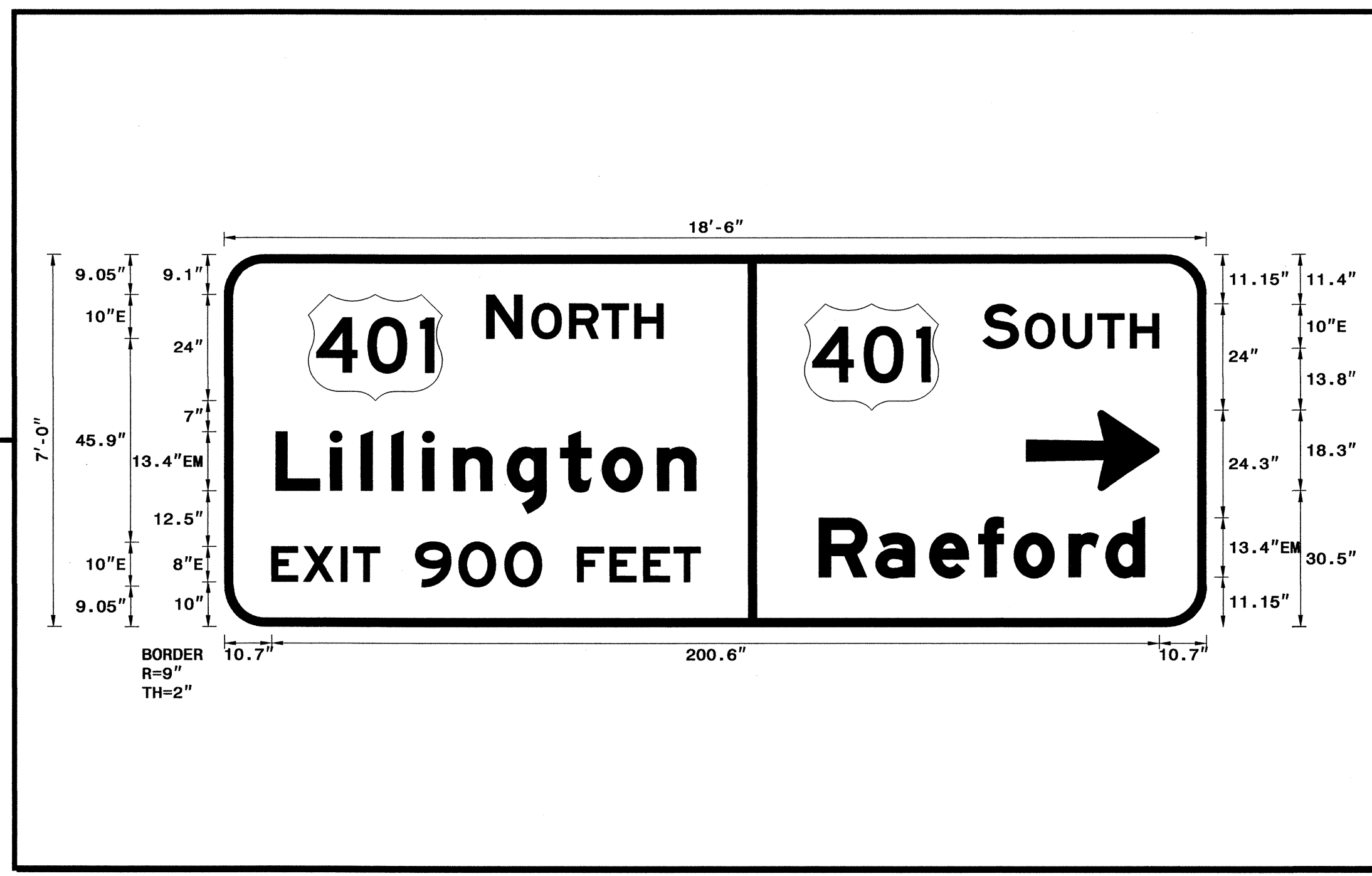
MAT'L: 0.125" ALUMINUM

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 9"

NO. Z BARS: 3
 LENGTH: 214.0"

SYMBOL	X	Y	WID	HT
M1_4	19	51	30.3	24
M1_4	131.2	48.8	30.3	24
ARMED	181.3	30.6	18.3	30

- USE NOTES: 1,3,5
- Legend and border shall be direct applied Grade A reflective sheeting.
 - Legend and border shall be direct applied Grade C reflective sheeting.
 - Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
 - Background shall be Grade B reflective sheeting.
 - Background shall be Grade C reflective sheeting.
 - Center arrow(s) vertically on sign.



Letter spacings are to start of next letter															Series/Size Text Length	
	N		O	R	T	H										E 2000
59.3	8.1	2.1	8.6	7.4	7.4	6.5	122.7									40
	S		O	U	T	H										E 2000
171.5	8.1	1.5	8.6	7.8	7.4	6.5	10.7									39.8
	L	i	l	l	i	n	g	t	o	n						EM 2000
11.6	12.3	7	7	7	7	12.2	12.1	9.4	12.4	8.8	115.3					95.1
	R	a	e	f	o	r	d									EM 2000
134.5	12.8	12.2	11.1	8	12.4	8.3	8.8	13.9								73.6
	E	X	I	T		9	0	0		F	E	E	T			E 2000
10.7	7.1	8.6	2.8	6	8	9.8	10.4	8.4	8	7.4	7.6	6.9	6	114.4		96.9

Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

08-MAR-2010 13:43
 P:\Traffic\U3423\Traffic\Signing\CADD\Sign Designs\U3423-signs.dgn
 meeton

SIGN DESIGNS

SIGN NUMR: 2
TYPE: A Overhead
QUANTITY: 1

BACKG. COLOR: Green
COPY COLOR: White

DESIGN BY: DME
PROJECT ID: U-3423

CHK BY: DIV: 6

STD #: \$STN
DATE: Mar 05, 2010

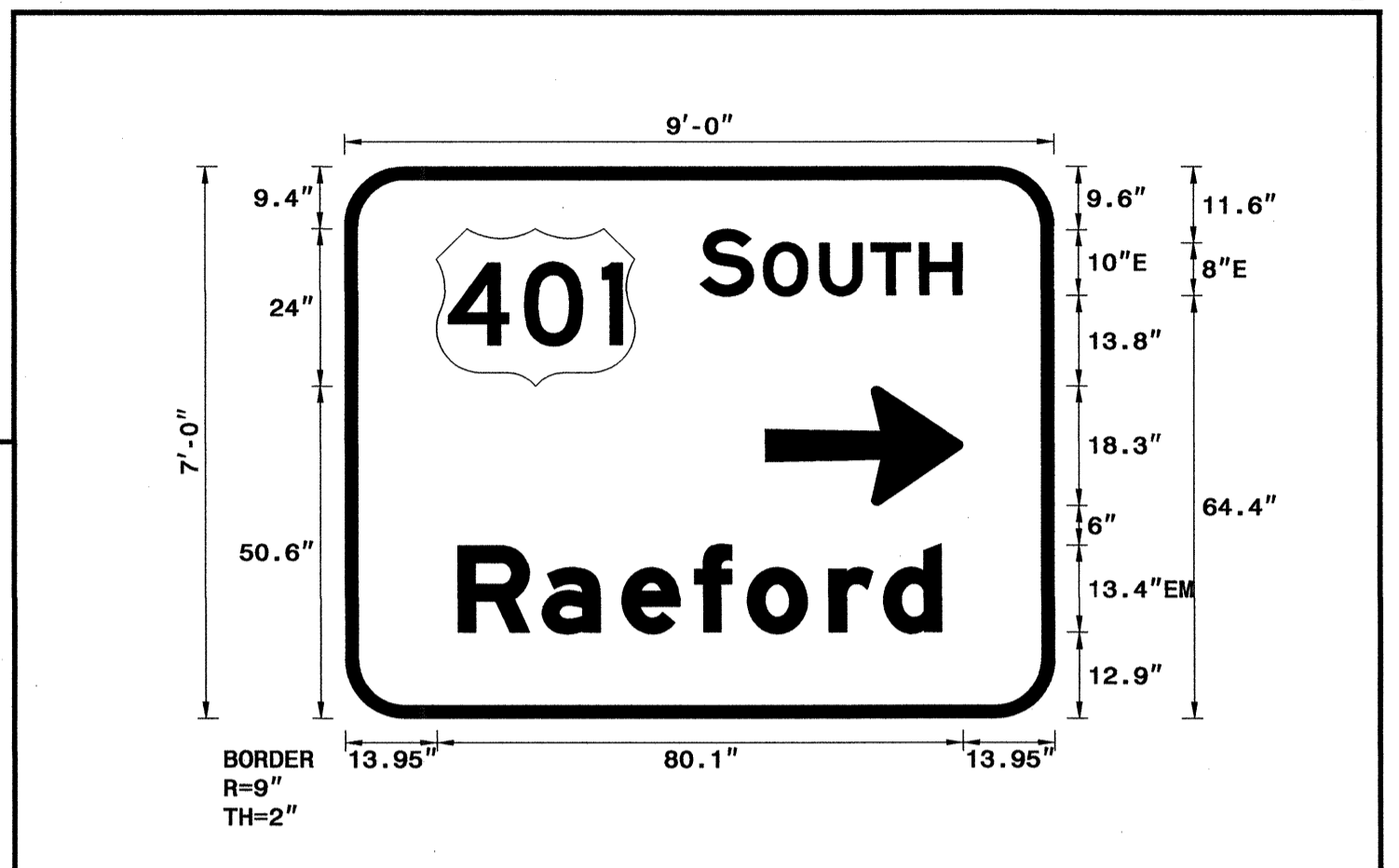
N. C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
TRAFFIC ENGINEERING BRANCH
SIGNING DEPARTMENT

SIGN WIDTH: 9'-0"
HEIGHT: 7'-0"
TOTAL AREA: 63.0 Sq.Ft.

SYMBOL	X	Y	WID	HT
M1_4	13.9	50.6	30.3	24
ARMED	64.1	32.3	18.3	30

MAT'L: 0.125" ALUMINUM
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"
NO. Z BARS: 3
LENGTH: 100.0"

USE NOTES: 1,3,5
1. Legend and border shall be direct applied Grade A reflective sheeting.
2. Legend and border shall be direct applied Grade C reflective sheeting.
3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
4. Background shall be Grade B reflective sheeting.
5. Background shall be Grade C reflective sheeting.
6. Center arrow(s) vertically on sign.



Letter spacings are to start of next letter										Series/Size Text Length
	S	O	U	T	H					E 2000
	54.2	8.1	1.5	8.6	7.8	7.4	6.5	13.9		39.8
	R	a	e	f	o	r	d			EM 2000
	17.2	12.8	12.2	11.1	8	12.4	8.3	8.8	17.2	73.6

Spacing Factor is 1 unless specified otherwise
FILENAME: GSENG

SIGN NUMR: 301
TYPE: D Ground
QUANTITY: 1

BACKG. COLOR: Green
COPY COLOR: White

DESIGN BY: DME
PROJECT ID: U-3423

CHK BY: DIV: 6

STD #: \$STN
DATE: Feb 08, 2010

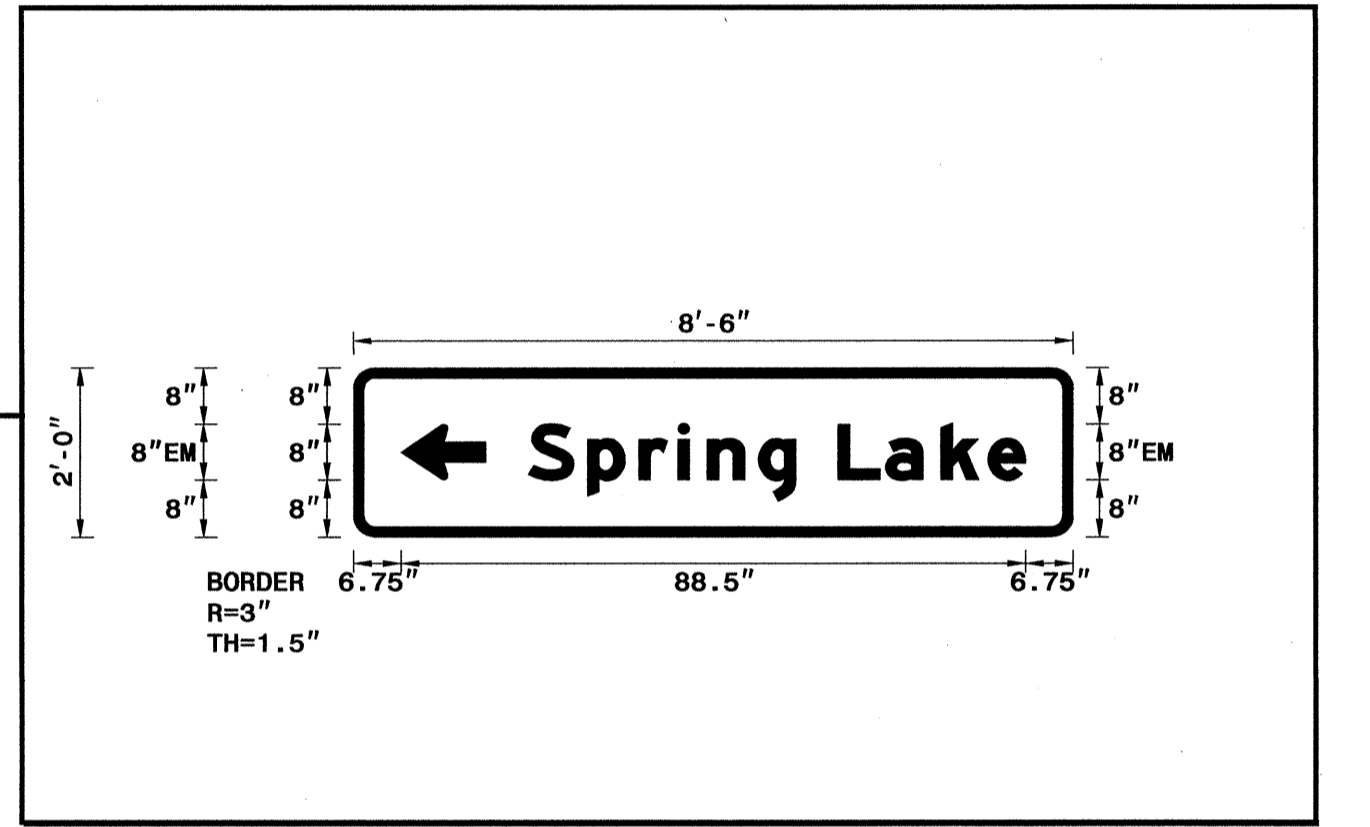
N. C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
TRAFFIC ENGINEERING BRANCH
SIGNING DEPARTMENT

SIGN WIDTH: 8'-6"
HEIGHT: 2'-0"
TOTAL AREA: 17.0 Sq.Ft.

SYMBOL	X	Y	WID	HT
ARUP	6.7	8	8	12

MAT'L: 0.125" ALUMINUM
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADII: 3"
NO. Z BARS: 3
LENGTH:

USE NOTES: 2,5,6
1. Legend and border shall be direct applied Grade A reflective sheeting.
2. Legend and border shall be direct applied Grade C reflective sheeting.
3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
4. Background shall be Grade B reflective sheeting.
5. Background shall be Grade C reflective sheeting.
6. Center arrow(s) vertically on sign.



Letter spacings are to start of next letter										Series/Size Text Length				
	S	p	r	i	n	g	L	a	k	e	EM 2000			
	24.7	8.5	7.3	5.5	4.2	7.3	5.3	6	6.8	7.8	6.7	5.3	6.7	70.5

Spacing Factor is 1 unless specified otherwise
FILENAME: GSENG

SIGN NUMR: 3
TYPE: A Overhead
QUANTITY: 1

BACKG. COLOR: Green
COPY COLOR: White

DESIGN BY: DME
PROJECT ID: U-3423

CHK BY: DIV: 6

STD #: \$STN
DATE: Mar 05, 2010

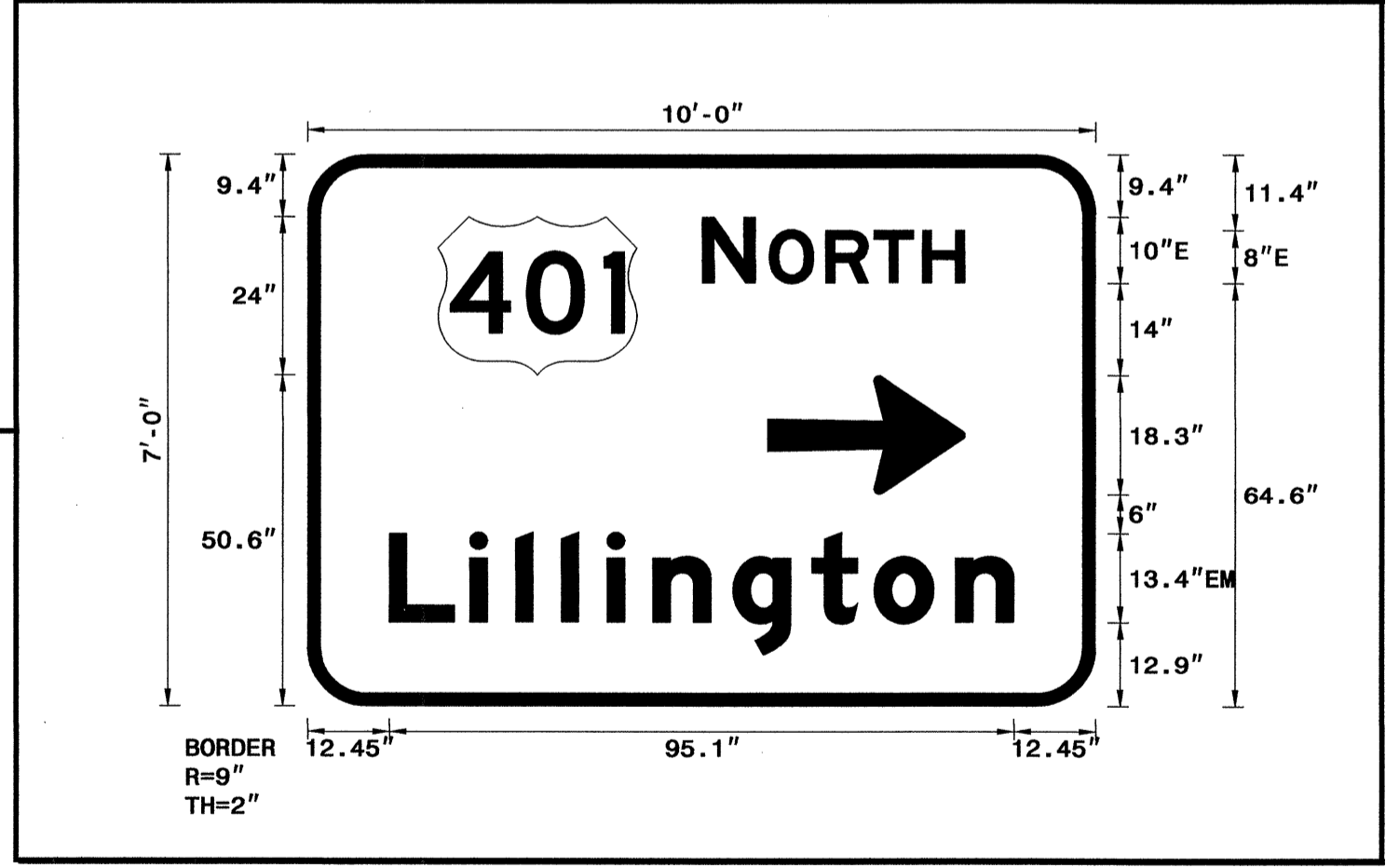
N. C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
TRAFFIC ENGINEERING BRANCH
SIGNING DEPARTMENT

SIGN WIDTH: 10'-0"
HEIGHT: 7'-0"
TOTAL AREA: 70.0 Sq.Ft.

SYMBOL	X	Y	WID	HT
M1_4	19.9	50.6	30.3	24
ARMED	70.1	32.3	18.3	30

MAT'L: 0.125" ALUMINUM
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"
NO. Z BARS: 3
LENGTH: 112.0 mm/"

USE NOTES: 1,3,5
1. Legend and border shall be direct applied Grade A reflective sheeting.
2. Legend and border shall be direct applied Grade C reflective sheeting.
3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
4. Background shall be Grade B reflective sheeting.
5. Background shall be Grade C reflective sheeting.
6. Center arrow(s) vertically on sign.




Letter spacings are to start of next letter										Series/Size Text Length			
	N	O	R	T	H					E 2000			
	60.2	8.1	2.1	8.6	7.4	7.4	6.5	19.9		40			
	L	i	l	i	n	g	t	o	n	EM 2000			
	12.5	12.3	7	7	7	7	12.2	12.1	9.4	12.4	8.8	12.5	95.1

Spacing Factor is 1 unless specified otherwise
FILENAME: GSENG

SIGN DESIGNS

08-MAR-2010 13:43 P:\TIP-objects\U3423\Traffic\Signing\CADD\Sign Designs\U3423_signs.dgn meaton -A1 TECC221656

TIP NO. U-3423	SHEET NO. SIGN-3D
APPROVED: <i>[Signature]</i>	
DATE: 3/10/10	
SEAL	



SIGN NUMR: 5 TYPE: A Overhead QUANTITY: 1	BACKG. COLOR: Green COPY COLOR: White	DESIGN BY: DME PROJECT ID: U-3423	CHK BY: DIV: 6	STD #: \$STN DATE: Feb 05, 2010	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH SIGNING DEPARTMENT
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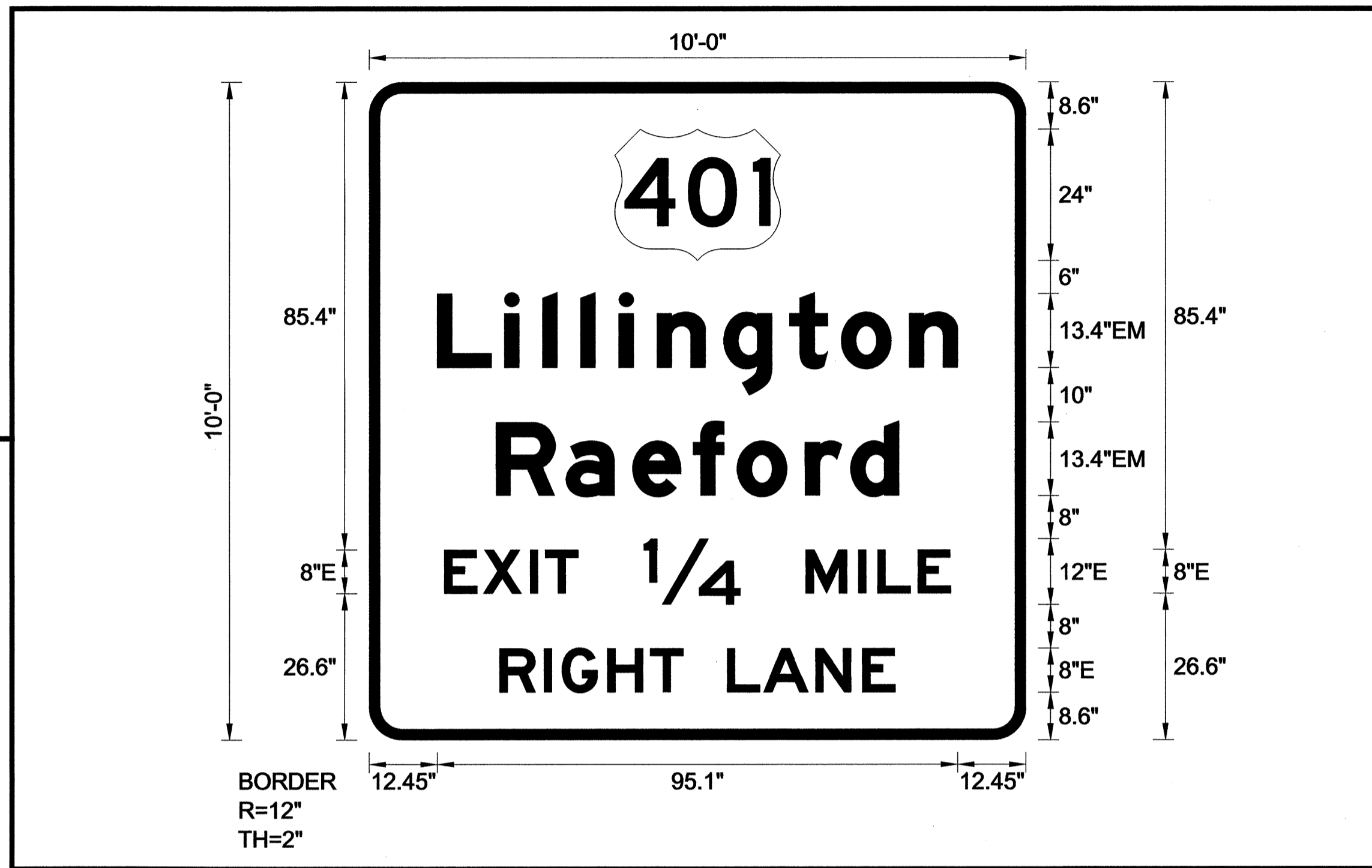
SIGN WIDTH: 10'-0"
HEIGHT: 10'-0"
TOTAL AREA: 100.0 Sq.Ft.

MAT'L: 0.125" ALUMINUM

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"

NO. Z BARS: 3
LENGTH: 112.0 "

SYMBOL	X	Y	WID	HT
M1_4	44.9	87.4	30.3	24



USE NOTES: 1,3,5

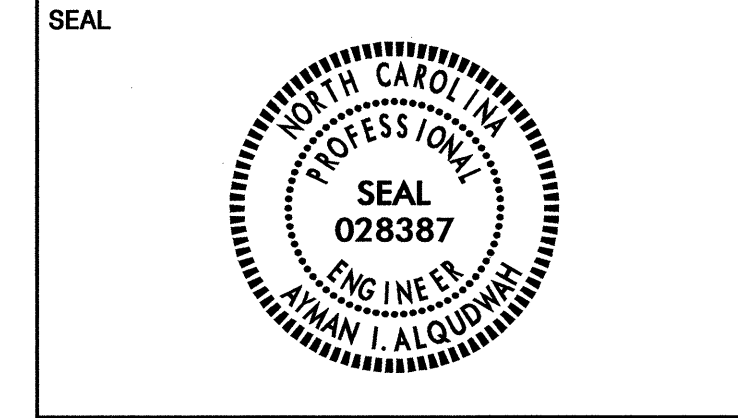
- Legend and border shall be direct applied Grade A reflective sheeting.
- Legend and border shall be direct applied Grade C reflective sheeting.
- Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
- Background shall be Grade B reflective sheeting.
- Background shall be Grade C reflective sheeting.
- Center arrow(s) vertically on sign.

Letter spacings are to start of next letter													Series/Size
													Text Length
	L	i	l	l	i	n	g	t	o	n			EM 2000
	12.5	12.3	7	7	7	12.2	12.1	9.4	12.4	8.8	12.5		95.1
	R	a	e	f	o	r	d						EM 2000
	23.2	12.8	12.2	11.1	8	12.4	8.3	8.8	23.2				73.6
	E	X	I	T		1/4		M	I	L	E		E 2000
	13.7	7.1	8.6	2.8	6	12	17.6	12	9.6	3.5	7.4	6	92.5
	R	I	G	H	T		L	A	N	E			E 2000
	23.9	8.1	3.3	8.3	7.8	6	8	6.6	9.5	8.6	6	23.9	72.2

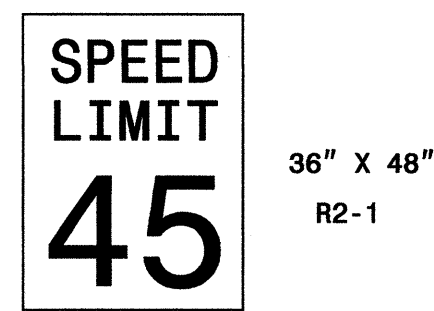
Spacing Factor is 1 unless specified otherwise
FILENAME: GSENG

08-MAR-2010 13:44
P:\TIP-Proj\egts\U-3423\Traffic\Signing\CADD\Sign_Designs\U3423_signs.dgn
meaton AT TEC221656

SIGN DESIGNS



401 QUANTITY REQ'D 8



ONE "U" POST PER SIGN

413 QUANTITY REQ'D 13



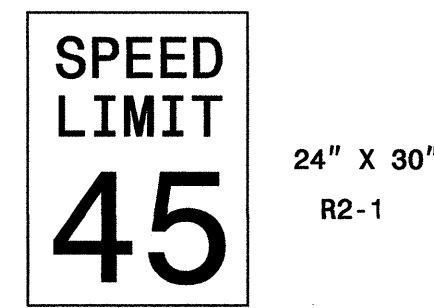
TWO "U" POSTS PER SIGN

418 QUANTITY REQ'D 10



MOUNT BELOW SIGN 408
IN 10 INSTALLATIONS

402 QUANTITY REQ'D 1



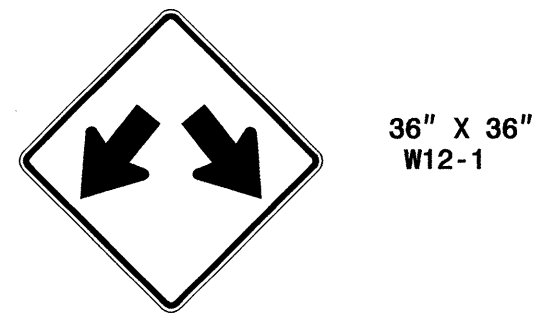
ONE "U" POST PER SIGN

414 QUANTITY REQ'D 10



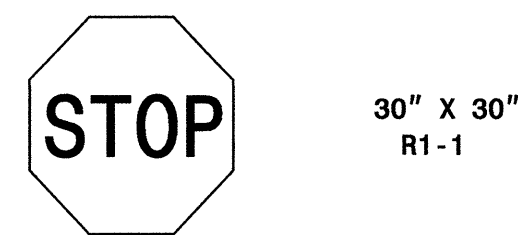
TWO "U" POSTS PER SIGN
MOUNT BACK-TO-BACK WITH SIGN 413
IN 4 INSTALLATIONS

419 QUANTITY REQ'D 4



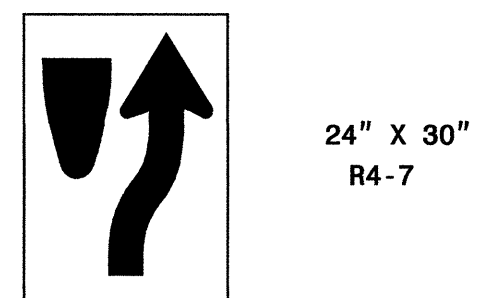
ONE "U" POST PER SIGN

408 QUANTITY REQ'D 10



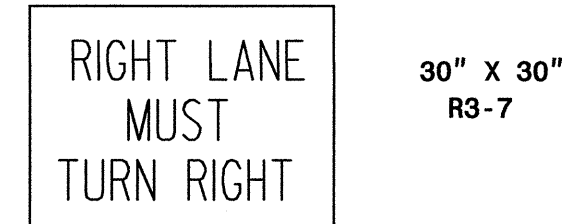
ONE "U" POST PER SIGN

415 QUANTITY REQ'D 5



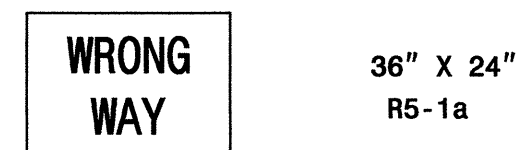
ONE "U" POST PER SIGN

420 QUANTITY REQ'D 2



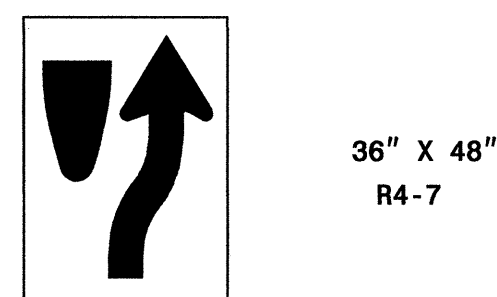
ONE "U" POST PER SIGN

410 QUANTITY REQ'D 5



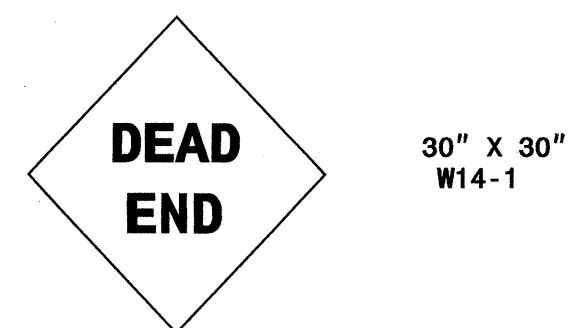
ONE "U" POST PER SIGN

416 QUANTITY REQ'D 1



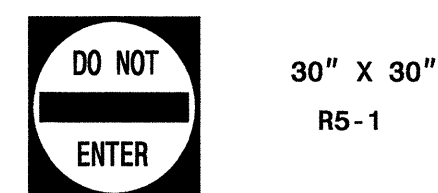
ONE "U" POST PER SIGN

421 QUANTITY REQ'D 1



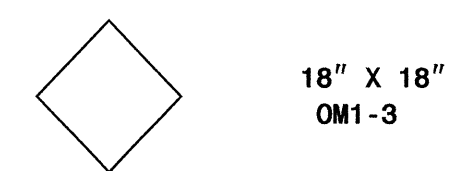
ONE "U" POST PER SIGN

411 QUANTITY REQ'D 4



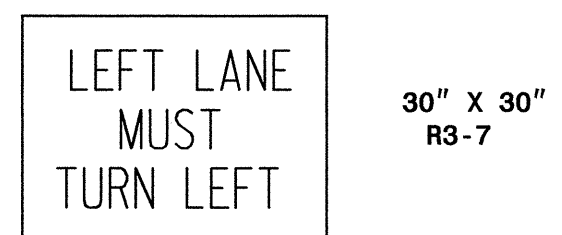
ONE "U" POST PER SIGN

417 QUANTITY REQ'D 5



MOUNT BELOW SIGN 415
IN 5 INSTALLATIONS

422 QUANTITY REQ'D 1

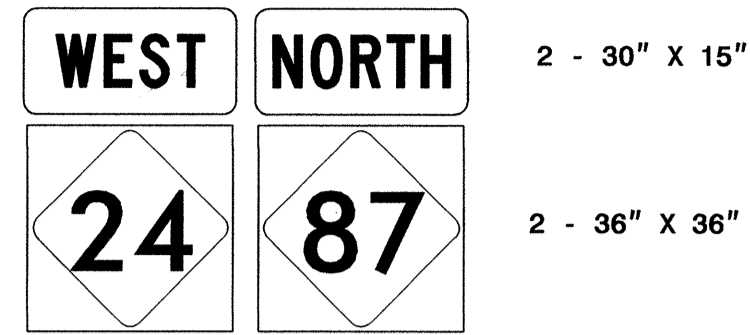


ONE "U" POST PER SIGN

TYPE "E" SIGNS

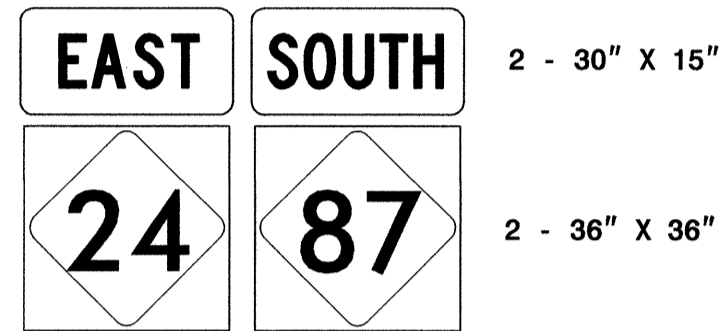
TIP NO. U-3423	SHEET NO. SIGN-3F
APPROVED: <i>[Signature]</i>	
DATE: 3/10/10	
SEAL	

501



TWO "U" POSTS PER SIGN

502




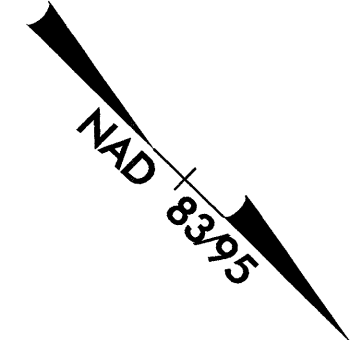
TWO "U" POSTS PER SIGN

08-MAR-2010 13:14
 P:\TIP\Projects\U3423\Traffic\Signing\CADD\Quantities & GM Signs\U3423_Engseed.dgn
 meaton AT TEC221856

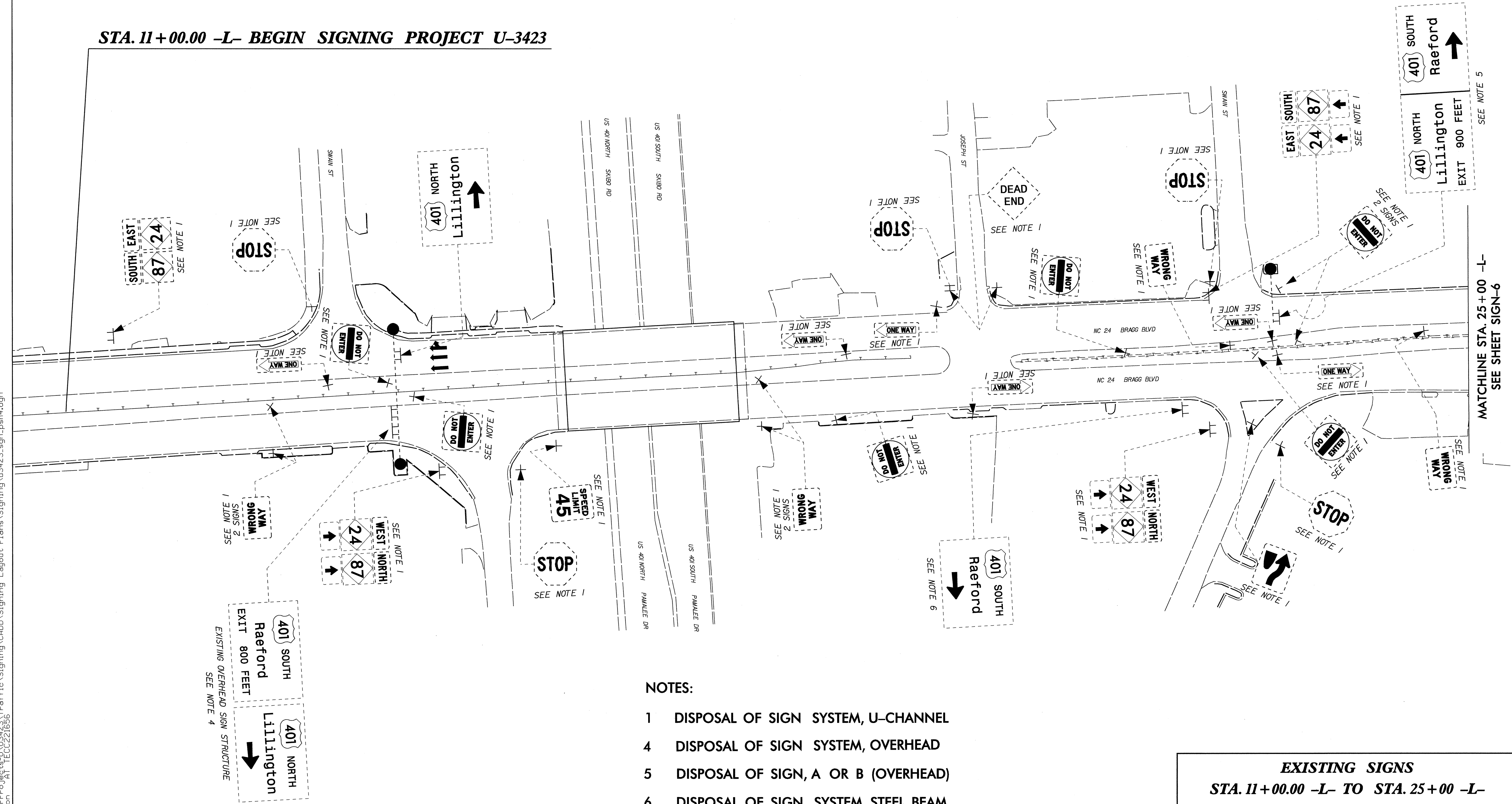
TYPE "F" SIGNS

TIP NO. U-3423	SHEET NO. SIGN-4
APPROVED: <i>[Signature]</i>	
DATE: 3/10/10	
SEAL	





STA. 11+00.00 -L- BEGIN SIGNING PROJECT U-3423



- NOTES:**
- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 - 4 DISPOSAL OF SIGN SYSTEM, OVERHEAD
 - 5 DISPOSAL OF SIGN, A OR B (OVERHEAD)
 - 6 DISPOSAL OF SIGN SYSTEM, STEEL BEAM

EXISTING SIGNS
STA. 11+00.00 -L- TO STA. 25+00 -L-
NC 24 / NC 87

08-MAR-2010 14:06
 P:\TIP-objects\U-3423\Traffic\Signing\CADD\Signing Layout Plans\Signing U-3423-sgn-ps4.dgn
 meaton -A1-TECC221656

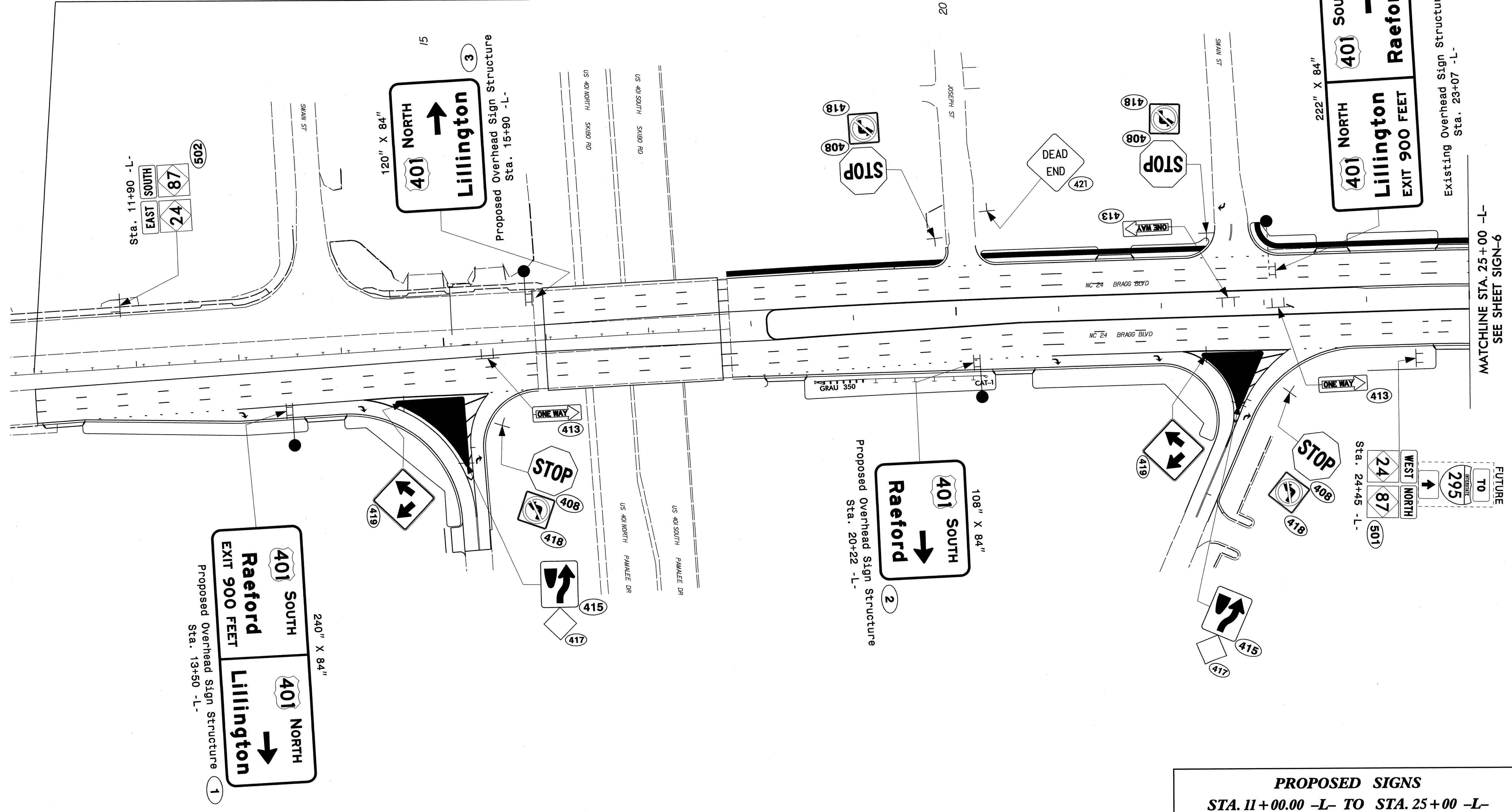
EXISTING OVERHEAD SIGN STRUCTURE
 SEE NOTE 4

MATCHLINE STA. 25+00 -L-
 SEE SHEET SIGN-6

TIP NO. U-3423	SHEET NO. SIGN-5
APPROVED: <i>[Signature]</i>	
DATE: 3/10/10	
SEAL	



STA. 11+00.00 -L- BEGIN SIGNING PROJECT U-3423



PROPOSED SIGNS
STA. 11+00.00 -L- TO STA. 25+00 -L-
NC 24 / NC 87

D:\MAPS\2010_07\57\12423\Traffic\Signing\CADD\Signing\Layout\Plans\Signing\U3423_sgn_psh5.dgn
 Date: 3/10/10 11:57 AM
 User: alan.alquod

TIP NO. U-3423	SHEET NO. SIGN-6
APPROVED: <i>[Signature]</i>	
DATE: 2/25/10	
SEAL	

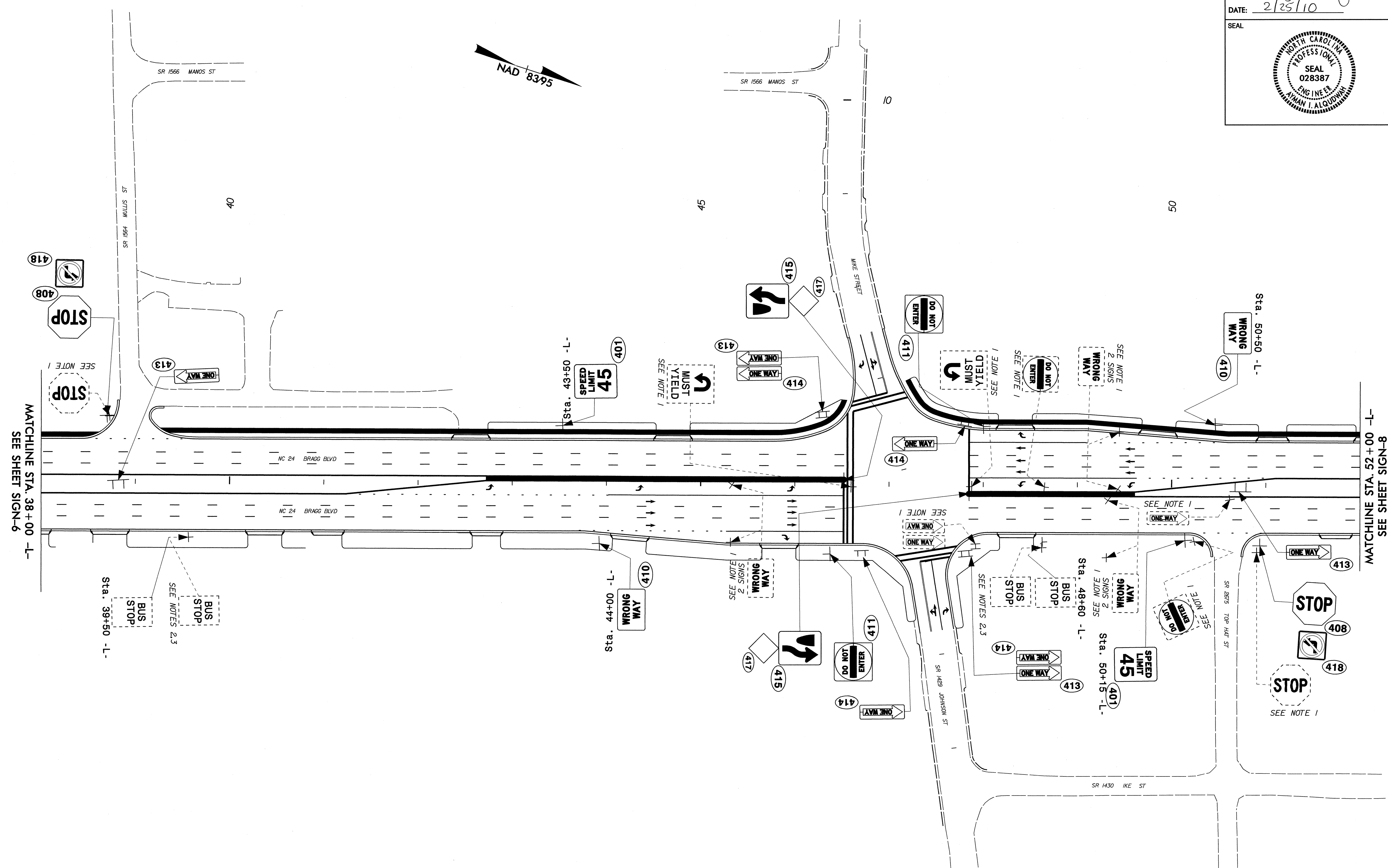


NOTES:

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SUPPORT, U-CHANNEL
- 3 RELOCATE SIGN, TYPE E
- 4 DISPOSAL OF SIGN SYSTEM, OVERHEAD

EXISTING AND PROPOSED SIGNS
STA. 25+00 -L- TO STA. 38+00 -L-
NC 24 / NC 87

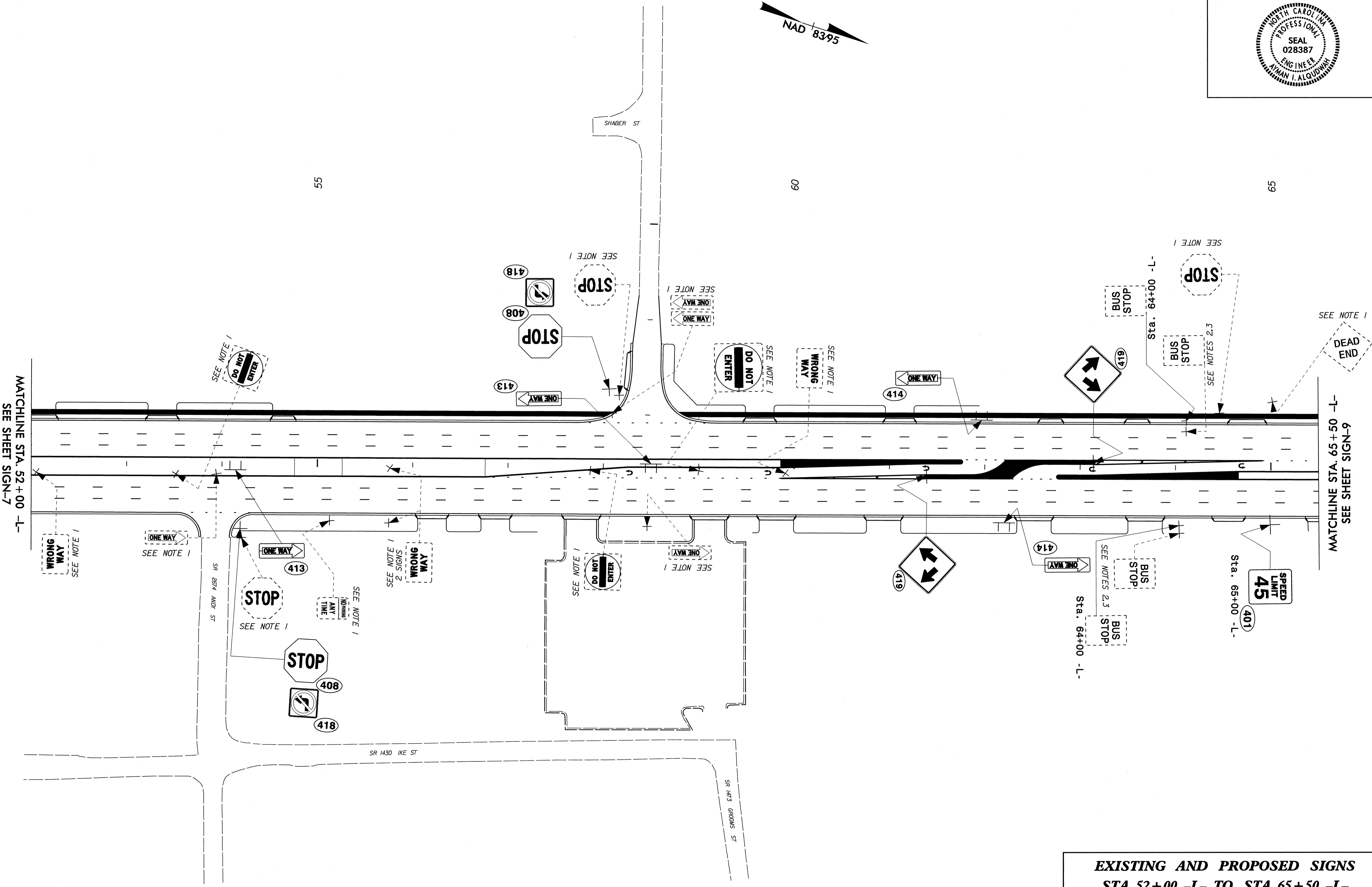
TIP NO. U-3423	SHEET NO. SIGN-7
APPROVED: <i>[Signature]</i>	
DATE: 2/25/10	
SEAL	



EXISTING AND PROPOSED SIGNS
STA. 38+00 -L- TO STA. 52+00 -L-
NC 24 /NC 87

15-FEB-2010 11:42
 C:\Users\meaton\Documents\Projects\U3423\Traffic\Signing\CADD\Signing Layout Plans\Signing\U3423-sgm-pah7.dgn
 At: EC221856

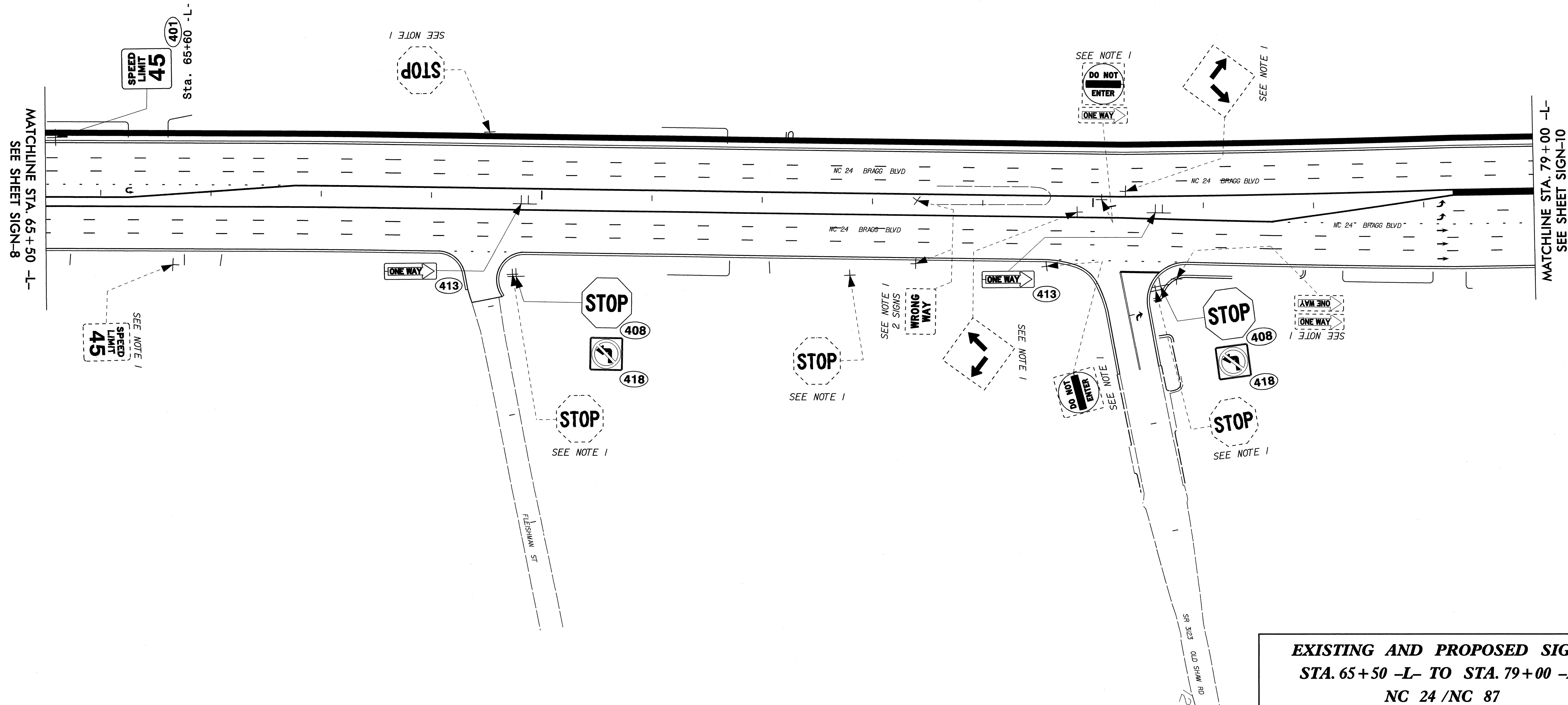
TIP NO. U-3423	SHEET NO. SIGN-8
APPROVED: <i>[Signature]</i>	
DATE: 2/25/10	
SEAL	



EXISTING AND PROPOSED SIGNS
STA. 52+00 -L- TO STA. 65+50 -L-
NC 24 / NC 87


15-FEB-2010 11:42
 P:\Projects\3423\Traffic\Signing\CADD\Signing Layout\Plans\Signing U3423_sgm-pah8.dgn
 AT: EC221856
 meaton

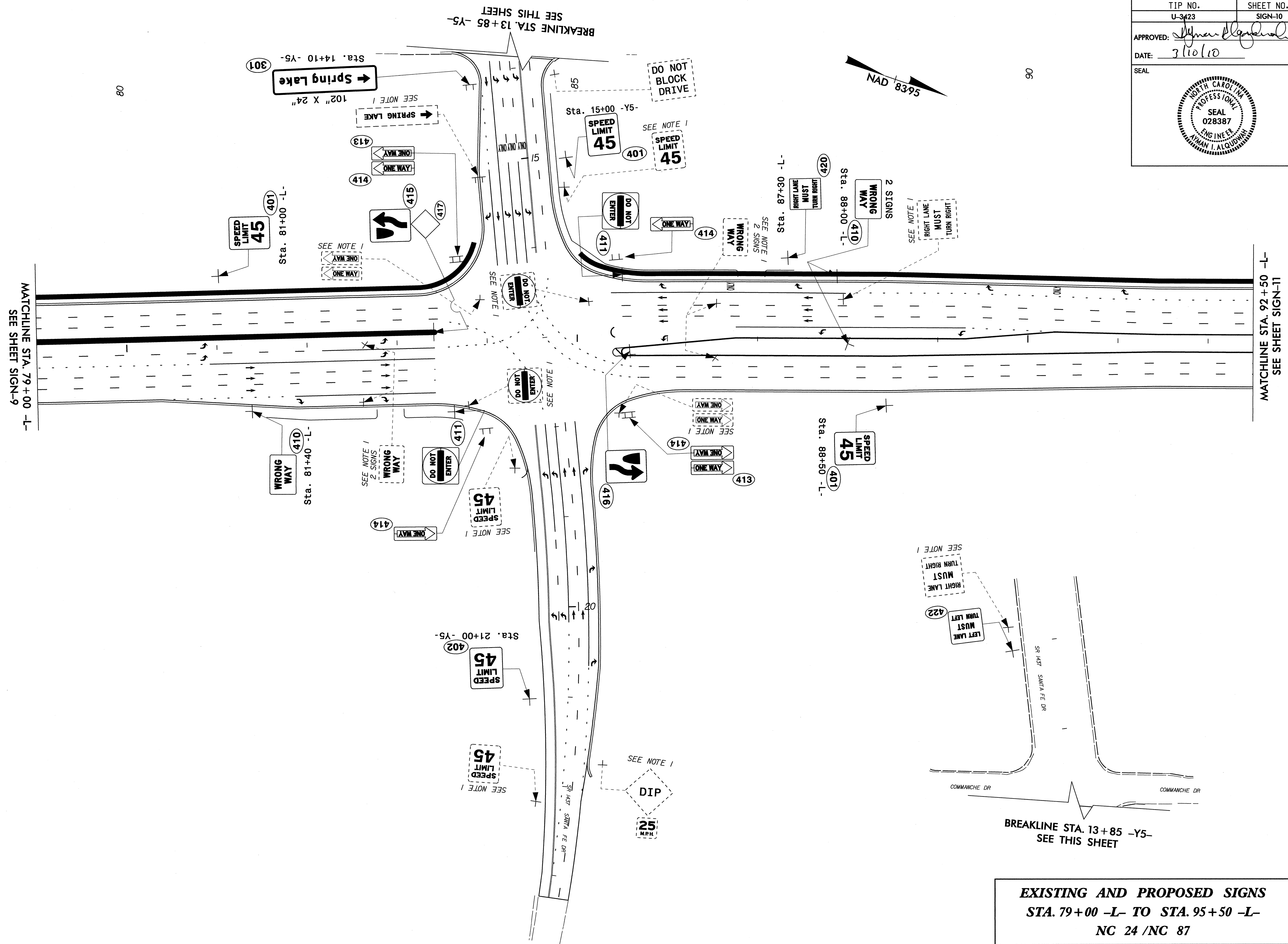
TIP NO. U-3423	SHEET NO. SIGN-9
APPROVED: <i>[Signature]</i>	
DATE: 2/25/10	
SEAL	



EXISTING AND PROPOSED SIGNS
STA. 65+50 -L- TO STA. 79+00 -L-
NC 24 / NC 87

15-FEB-2010 11:28
 P:\TIP\Projects\U3423\Traffic\Signing\CADD\Signing Layout Plans\Signing U3423_sgn_psh9.dgn
 meaton AT EC221856

TIP NO. U-3423	SHEET NO. SIGN-10
APPROVED: <i>[Signature]</i>	
DATE: 3/10/10	
SEAL	
	



EXISTING AND PROPOSED SIGNS
STA. 79+00 -L- TO STA. 95+50 -L-
NC 24 / NC 87

08-MAR-2010 14:04
 P:\TIP\Pro\eggs\U03423\Traffic\Signing\CADD\Signing Layout Plans\Signing U03423-sgn-ps110.dgn
 meston AT TEC221656

TIP NO. U-3423	SHEET NO. SIGN-11
APPROVED: <i>[Signature]</i>	
DATE: 2/25/10	
SEAL	



MATCHLINE STA. 92 + 50 -L-
SEE SHEET SIGN-10

95

100

105

RIGHT LANE
MUST
TURN RIGHT
(42D)
Sta. 95+40 -L-

SEE NOTE 1
**DO NOT
ENTER**

SEE NOTE 1
2 SIGNS
**WRONG
WAY**

SEE NOTE 1
2 SIGNS
**WRONG
WAY**

SEE NOTE 1
**DO NOT
ENTER**

SEE NOTE 1

NC 24 BRAGG BLVD
NC 24 BRAGG BLVD

STA. 105 + 57.51 -L- END SIGNING PROJECT U-3423

**EXISTING AND PROPOSED SIGNS
STA. 92 + 50 -L- TO STA. 105 + 57.51 -L-
NC 24 / NC 87**

I5-FEB-2010 11:22
 P:\TIP\Projects-U\U3423\Traffic\Signing\CADD\Signing Layout Plans\Signing U3423.sgn-psh1.dgn
 meaton AT TEC221856