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TIP NO.	SHEET NO.
W-5510	SIGN-1
APPROVED: _____	
DATE: _____	
SEAL	
	
<small>DocuSigned by: Matt West ACT1A100798425</small> 1/4/2016	
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**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
FORSYTH COUNTY**

**LOCATION: SR 4315 (S MAIN STREET) FROM I-BUS-40 RAMP
TO SR 4278 (S CHERRY STREET), AND SR 2648 (OLD WINSTON ROAD)**

FINAL SIGNING

T.I.P.: W-5510

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:

<u>STD. NO.</u>	<u>TITLE</u>
903.10	GROUND MOUNTED SIGN SUPPORTS (EXCEPT FOR 1 OF 3 WHICH IS REPLACED WITH SIGN-1A AND 2 OF 3 WHICH IS REPLACED WITH SIGN 1B IN PLANS)
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.30	SUPPLEMENTAL SIGN MOUNTING
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

GENERAL NOTES

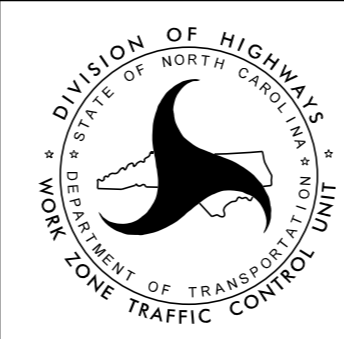
- . SIGNS FURNISHED BY STATE
- . ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL 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.

INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
SIGN-1	TITLE SHEET
SIGN-1A	REVISED SIGNING ROADWAY STANDARD DRAWING 903.10 SHEET 1 OF 3
SIGN-1B	REVISED SIGNING ROADWAY STANDARD DRAWING 903.10 SHEET 2 OF 3
SIGN-2	E SHEET
SIGN-3	TYPE "D" GROUND MOUNTED SIGN DESIGN
SIGN-4 THRU SIGN-6	SIGNING PLAN SHEETS

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

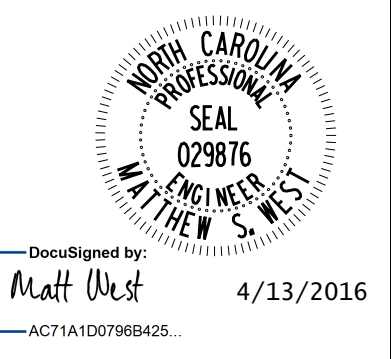
RENEE B. ROACH, PE, CPM	SIGNING & DELINEATION REGIONAL ENGINEER
SAMUEL D. COLEMAN, EI	SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY: Kimley-Horn and Associates

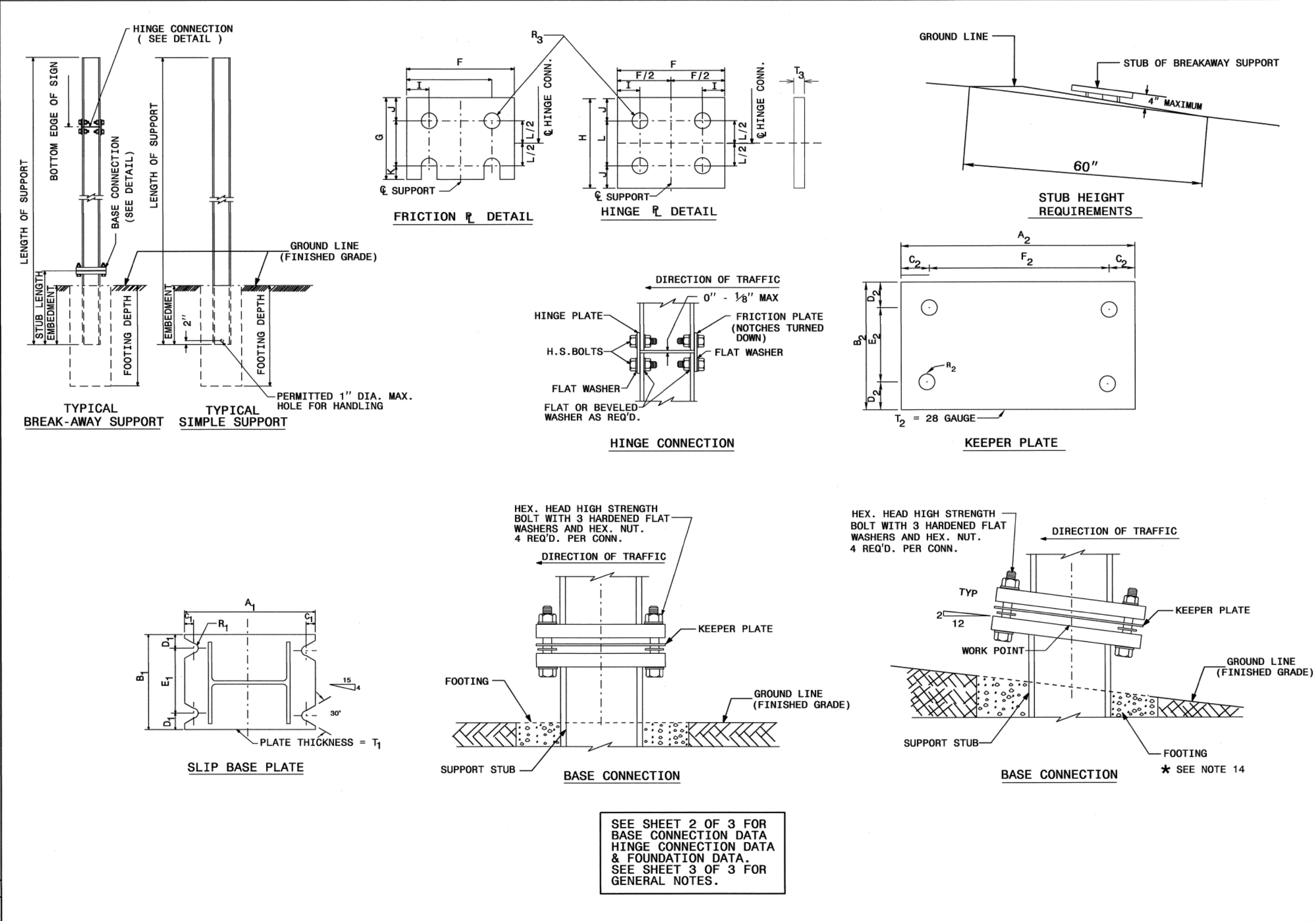
Erin Thompson P.E.	PROJECT DESIGN ENGINEER
Erin Thompson P.E.	DESIGNER





STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12
**ENGLISH STANDARD DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS**
SHEET 1 OF 3
903D10



STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12
**ENGLISH STANDARD DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS**
SHEET 1 OF 3
903D10

**REVISED SIGNING
ROADWAY STANDARD DRAWING**

SEE SHEET 2 OF 3 FOR
BASE CONNECTION DATA
HINGE CONNECTION DATA
& FOUNDATION DATA.
SEE SHEET 3 OF 3 FOR
GENERAL NOTES.

26-JUL-2013 09:37
S:\S&DU\Standards_Group\NEA\Standards and Drawings\Drawings\2012 Standard Dwg\Division 9 Final\903D10_sgn_sht1.dgn support_1_Rev1.scd.7-3-13.dgn
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4/13/2016 K:\RAL_Roadway\01036245 - Kernersville\Traffic\Signing\CADD\Signing Layout Plans\W5510_SGN_PSH_SIGN-1A.dgn

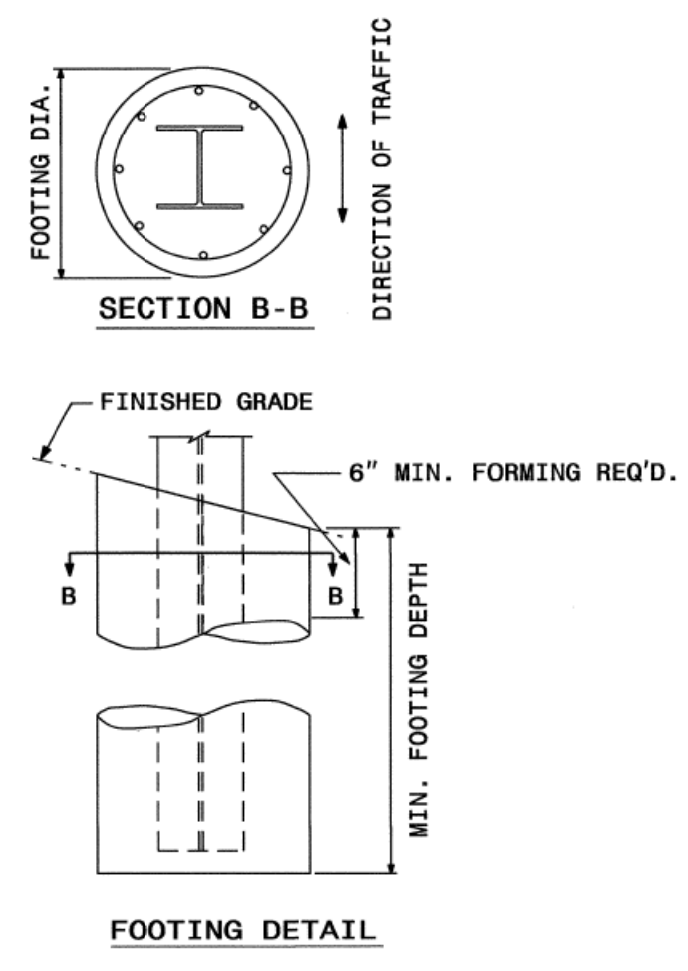
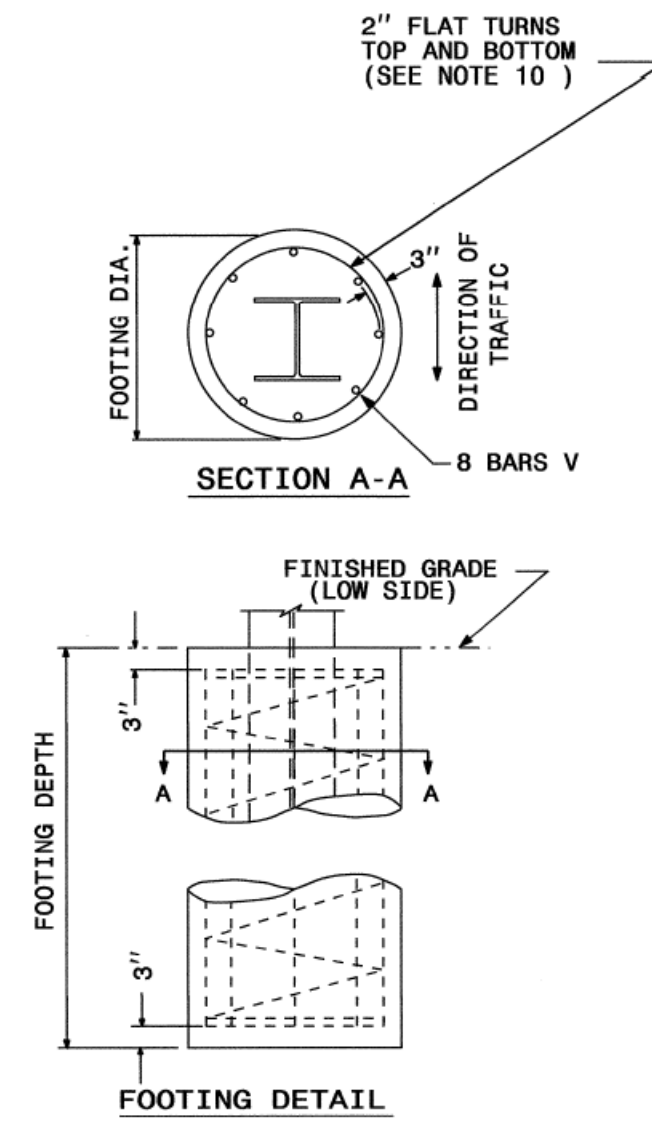


STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 2 OF 3
903D10

BEAM SHAPE	BOLT SIZE	SLIP BASE PLATE DATA										KEEPER PLATE DATA						HINGE CONNECTION DATA										BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.
		A ₁	B ₁	C ₁	D ₁	E ₁	T ₁	R ₁	A ₂	B ₂	C ₂	D ₂	E ₂	R ₂	T ₂	BOLT SIZE	F	G	H	I	J	K	L	R ₃	T ₃			
S3X5.7	1/2"DIA. X 3/4"	7"	4"	1"	3/4"	2 1/2"	1"	3/32"	7"	4"	1"	3/4"	2 1/2"	3/32"	28 GAUGE	1/2"DIA. X 1 3/4"	2 1/4"	3 1/2"	4"	1 1/2"	1"	1 1/2"	2"	3/32"	3/8"	18		
S4X7.7	1/2"DIA. X 3/4"	8"	4"	1"	3/4"	2 1/2"	1"	3/32"	8"	4"	1"	3/4"	2 1/2"	3/32"	28 GAUGE	1/2"DIA. X 1 3/4"	2 5/8"	3 1/2"	4"	1 1/2"	1"	1 1/2"	2"	3/32"	3/8"	20		
W6X9	1/2"DIA. X 3/4"	10"	5"	1"	3/4"	3 1/2"	1"	3/32"	10"	5"	1"	3/4"	3 1/2"	3/32"	28 GAUGE	1/2"DIA. X 1 3/4"	4"	3 1/2"	4"	3/4"	1"	1 1/2"	2"	3/32"	3/8"	32		
W6X12	5/8"DIA. X 4"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/4"	11/32"	11"	5"	1 1/4"	7/8"	3 1/4"	11/32"	28 GAUGE	5/8"DIA. X 2"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	11/32"	3/8"	39		
W6X16	5/8"DIA. X 4 1/2"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	11/32"	12"	6"	1 1/4"	7/8"	4 1/4"	11/32"	28 GAUGE	5/8"DIA. X 2 1/4"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	11/32"	1/2"	47		
W8X18	5/8"DIA. X 4 1/2"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/2"	11/32"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	11/32"	28 GAUGE	5/8"DIA. X 2 1/4"	5 1/4"	4"	4 1/2"	1"	1 1/8"	5/8"	2 1/4"	11/32"	1/2"	70		
W8X21	3/4"DIA. X 4 1/2"	14"	7"	1 1/2"	1"	5"	1 1/2"	13/32"	14"	7"	1 1/2"	1"	5"	13/32"	28 GAUGE	3/4"DIA. X 2 1/2"	5 1/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	1/2"	73		
W10X22	3/4"DIA. X 4 1/2"	16"	8"	1 1/2"	1"	6"	1 1/2"	13/32"	16"	8"	1 1/2"	1"	6"	13/32"	28 GAUGE	3/4"DIA. X 2 1/2"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	1/2"	119		
W10X26	3/4"DIA. X 5 1/2"	16 1/2"	8"	1 1/2"	1"	6"	1 3/4"	13/32"	16 1/2"	8"	1 1/2"	1"	6"	13/32"	28 GAUGE	3/4"DIA. X 2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	5/8"	140		
W12X26	3/4"DIA. X 5 1/2"	18 1/2"	9"	1 1/2"	1"	7"	1 3/4"	13/32"	18 1/2"	9"	1 1/2"	1"	7"	13/32"	28 GAUGE	3/4"DIA. X 2 3/4"	6 1/2"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	5/8"	176		
W14X30	1"DIA. X 6"	22"	9"	2"	1 1/2"	6"	2"	17/32"	22"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1"DIA. X 3"	6 3/4"	7"	8"	1 1/4"	2"	1"	4"	17/32"	5/8"	205		
W16X31	1"DIA. X 6"	24"	9"	2"	1 1/2"	6"	2"	17/32"	24"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1"DIA. X 3"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	17/32"	3/4"	223		
W18X35	1"DIA. X 6"	25"	9"	2"	1 1/2"	6"	2"	17/32"	25"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1"DIA. X 3"	6"	7"	8"	1 1/4"	2"	1"	4"	17/32"	3/4"	243		
W18X40	1"DIA. X 6 1/2"	26"	9"	2"	1 1/2"	6"	2 1/4"	17/32"	26"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1"DIA. X 3 1/2"	6"	7"	8"	1 1/4"	2"	1"	4"	17/32"	7/8"	278		
W21X44	1"DIA. X 7"	29"	9"	2"	1 1/2"	6"	2 1/2"	17/32"	29"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1"DIA. X 3 1/2"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	17/32"	7/8"	310		



FOOTING DIAMETER	REINFORCEMENT	SPIRAL BAR
1'-6"	8 # 6 BARS	#3 BAR, 6" PITCH
2'	8 # 7 BARS	#3 BAR, 6" PITCH
2'-6"	8 # 9 BARS	#3 BAR, 6" PITCH
3'	8 # 11 BARS	#3 BAR, 6" PITCH
3'-6"	8 # 12 BARS	#3 BAR, 6" PITCH
4'	8 # 14 BARS	#3 BAR, 6" PITCH

* FOUNDATION DIMENSIONS ARE SHOWN IN PLANS

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 2 OF 3
903D10

**REVISED SIGNING
ROADWAY STANDARD DRAWING**

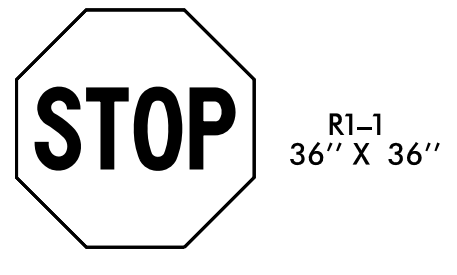


**REVISED SIGNING
ROADWAY STANDARD DRAWING**

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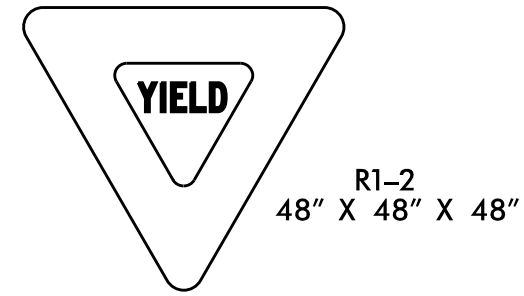
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401 QUANTITY REQ'D 2_



ONE "U" POST PER SIGN

402 QUANTITY REQ'D 5_



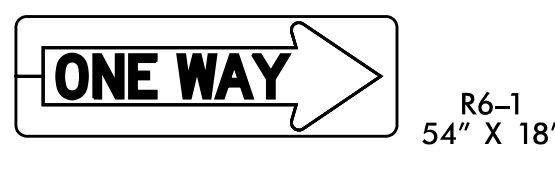
ONE "U" POST PER SIGN

403 QUANTITY REQ'D 1_



ONE "U" POST PER SIGN

404 QUANTITY REQ'D 2_



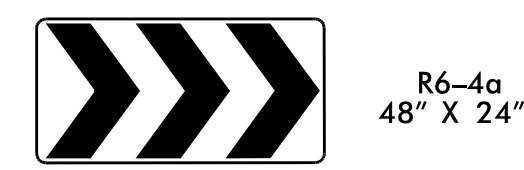
ONE "U" POST PER SIGN

405 QUANTITY REQ'D 1_



ONE "U" POST PER SIGN

406 QUANTITY REQ'D 1_



ONE "U" POST PER SIGN

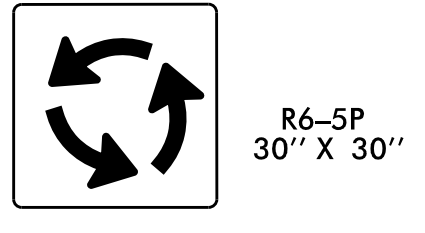
APPROVED: _____
DATE: _____

SEAL

DocuSigned by:
Matt West
ACT1A1D0796B425... 1/4/2016

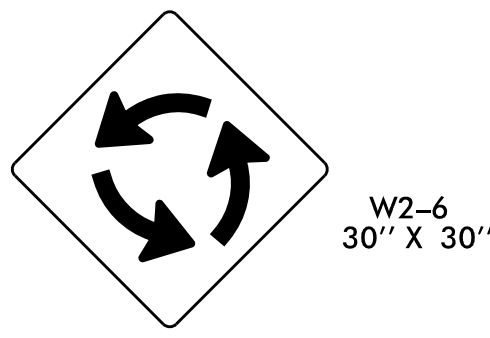
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

407 QUANTITY REQ'D 3_



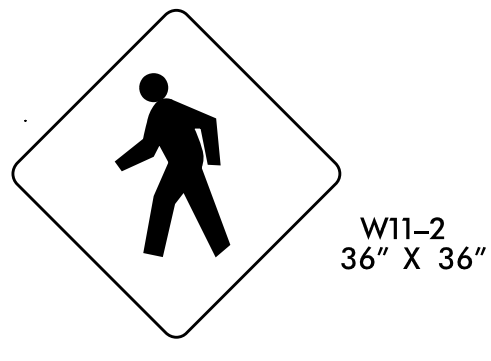
ONE "U" POST PER SIGN

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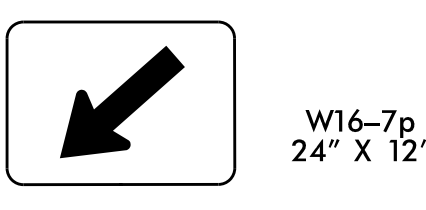
ONE "U" POST PER SIGN

409 QUANTITY REQ'D 9_



ONE "U" POST PER SIGN

410 QUANTITY REQ'D 7_



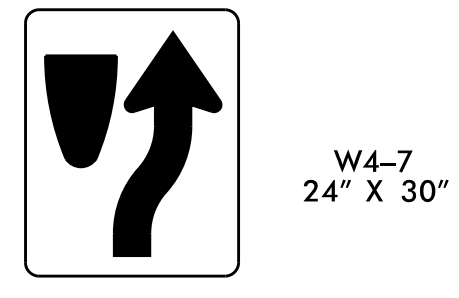
ONE "U" POST PER SIGN

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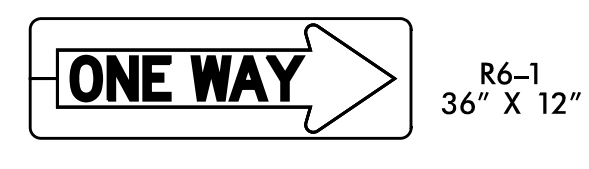
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412 QUANTITY REQ'D 1_



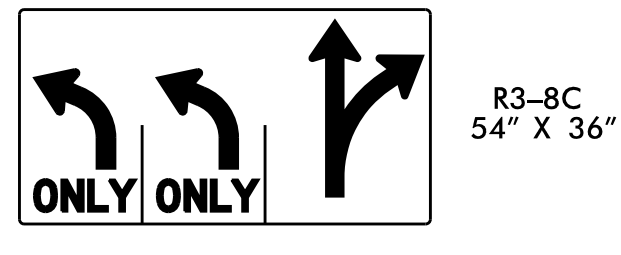
ONE "U" POST PER SIGN

413 QUANTITY REQ'D 3_




ONE "U" POST PER SIGN

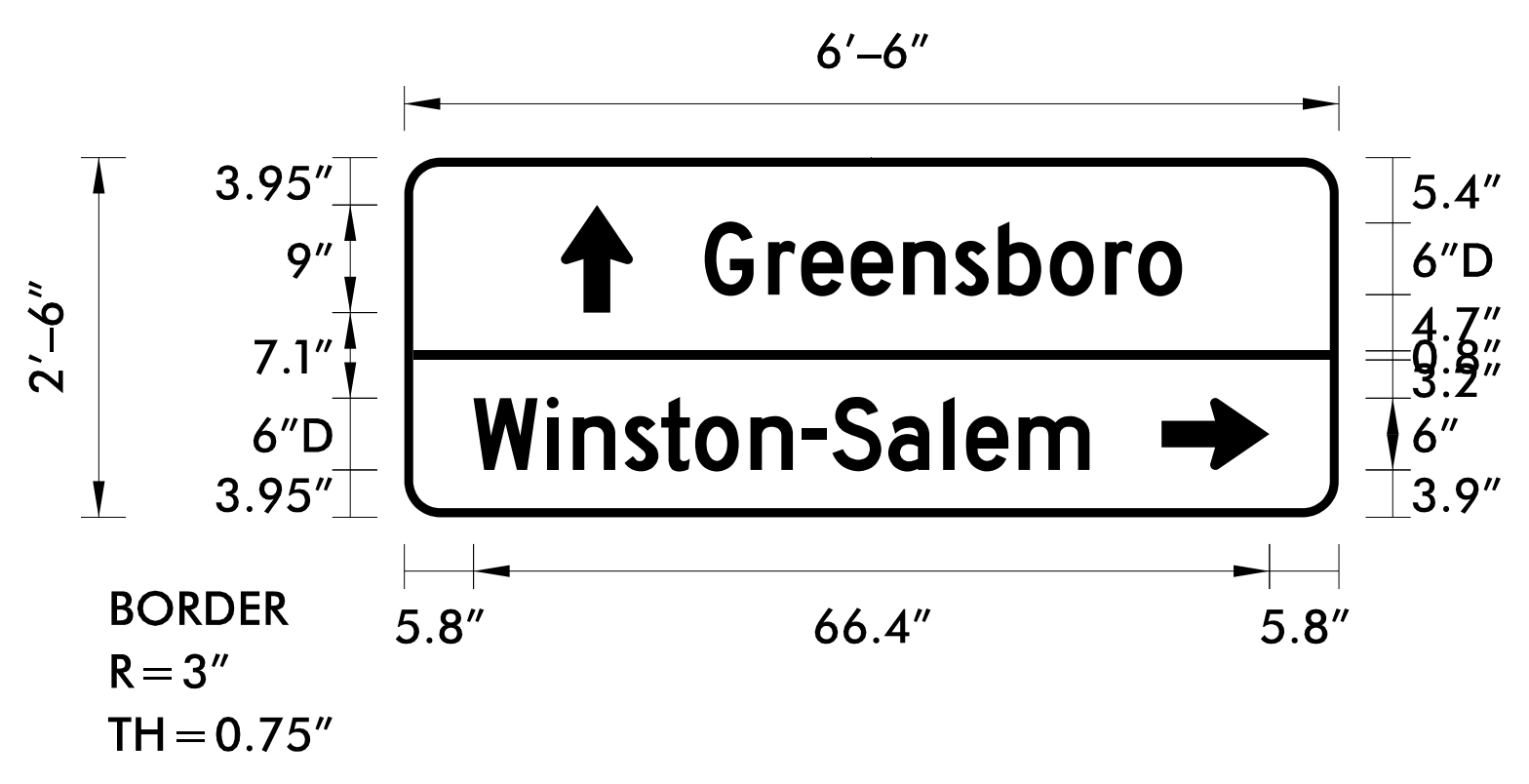
414 QUANTITY REQ'D 1_



TWO "U" POST PER SIGN

K:\RAL_Roadway\01036245 - KernersvilleTrafficSigning\CADD\Signing Layout Plans\W5510_SGN_PSH_SIGN-2.dgn 12/22/2015

TIP NO. W-5510	SHEET NO. SIGN-3
APPROVED: _____	
DATE: _____	
SEAL	
	
DocuSigned by: Matt West ACFYA1D0798B425...	1/4/2016
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

SIGN NUMBER: 301 TYPE: D QUANTITY: 1 SIGN WIDTH: 6'-6" HEIGHT: 2'-6" TOTAL AREA: 16.3 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green / 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>AR_Type D</td> <td>13.1</td> <td>17.1</td> <td>6</td> <td>9</td> </tr> <tr> <td>AR_Type D</td> <td>63.2</td> <td>3.9</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	AR_Type D	13.1	17.1	6	9	AR_Type D	63.2	3.9	6	9																					DESIGN BY: CDL PROJECT ID: W-5510 CHECKED BY: ET DIV: DIV 9 DATE: Nov 04, 2015	 <p style="text-align: right;">Spacing Factor is 1 unless specified otherwise</p>
SYMBOL	X	Y	WID	HT																																		
AR_Type D	13.1	17.1	6	9																																		
AR_Type D	63.2	3.9	6	9																																		
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. 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.																																						

LETTER POSITIONS

Letter spacings are to start of next letter

																Series/Size
																Text Length
G	r	e	e	n	s	b	o	r	o							D 2000
25.1	5.3	2.8	4.1	4.4	4.3	3.6	4.3	4.6	2.8	3.7	13.1					39.8
	W	i	n	s	t	o	n	-	s	a	l	e	m			D 2000
5.8	6.1	2.2	4.3	3.1	2.8	4.6	4.3	2.6	4.7	4.6	1.9	4.4	5.9	20.8		51.4

FILENAME: Kernersville_rdy_sgn_DETAILS NORTH CAROLINA D.O.T. SIGN DETAIL

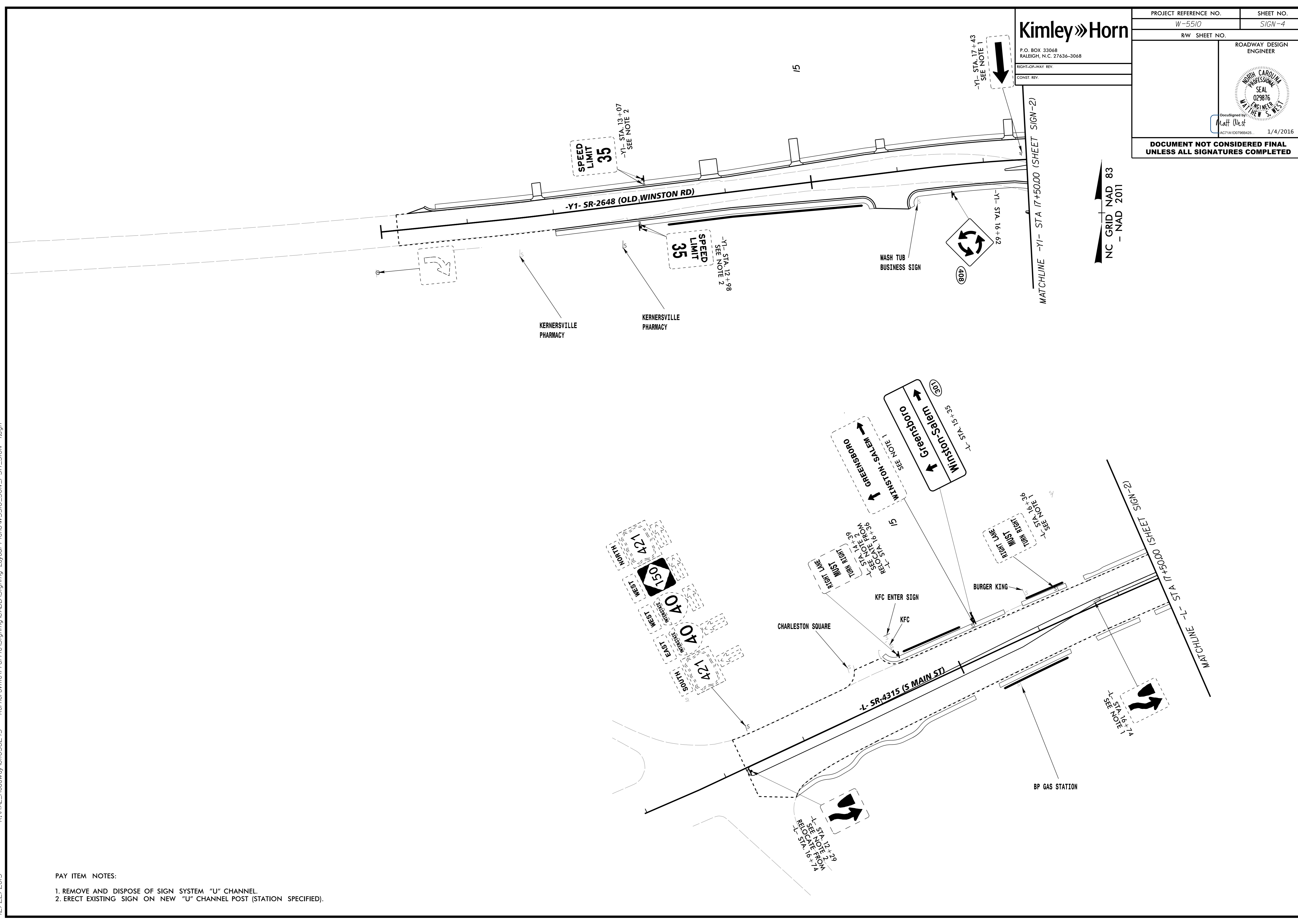
Kimley»Horn	TYPE "D" GROUND MOUNTED SIGN DESIGN
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K:\RAL_Roadway\01036245 - Kernersville\Traffic\Signing\CADD\Signing Layout Plans\W5510_SGN_PSH_SIGN-4.dgn

12/22/2015

Kimley»Horn
 P.O. BOX 33068
 RALEIGH, N.C. 27636-3068
 ROADWAY DESIGN ENGINEER

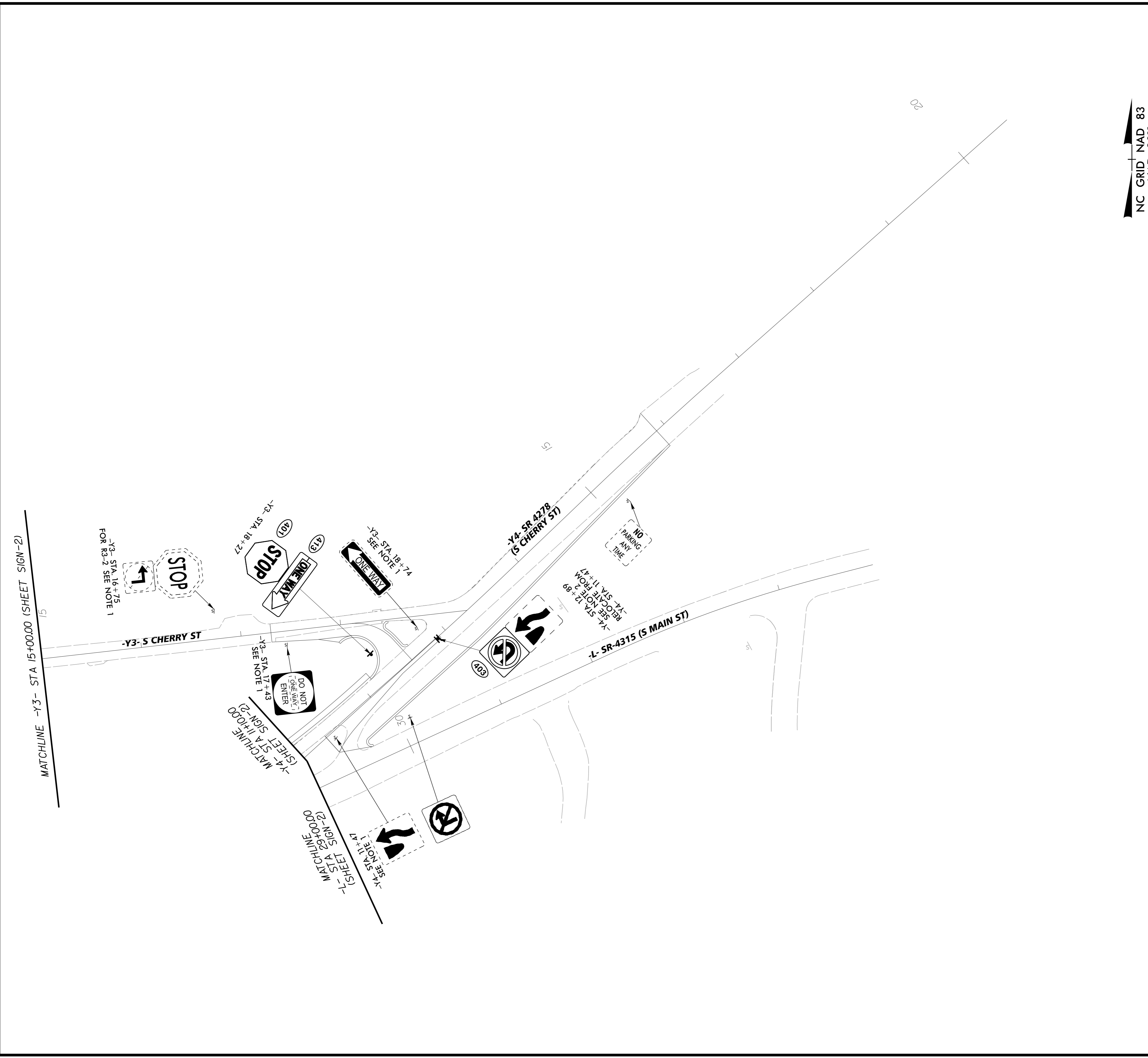
PROJECT REFERENCE NO. W-5510	SHEET NO. SIGN-4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
Documented by: <i>Matt West</i> 1/4/2016	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



- PAY ITEM NOTES:
1. REMOVE AND DISPOSE OF SIGN SYSTEM "U" CHANNEL.
 2. ERECT EXISTING SIGN ON NEW "U" CHANNEL POST (STATION SPECIFIED).

K:\RAL_Roadway\01036245 - Kernerville\Traffic\Signing\CADD\Signing Layout Plans\W5510_SGN_PSH_SIGN-6.dgn

12/22/2015



NC GRID NAD 83
 - NAD 2011

PROJECT REFERENCE NO.		SHEET NO.	
W-5510		SIGN-6	
RW SHEET NO.			
P.O. BOX 33068 RALEIGH, N.C. 27636-3068		ROADWAY DESIGN ENGINEER	
RIGHT-OF-WAY REV.			
CONST. REV.			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

- PAY ITEM NOTES:
1. REMOVE AND DISPOSE OF SIGN SYSTEM "U" CHANNEL.
 2. ERECT EXISTING SIGN ON NEW "U" CHANNEL POST (STATION SPECIFIED).