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**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
WAYNE COUNTY**

LOCATION: US 117 & SR-1135 (COUNTRY CLUB RD.) INTERCHANGE

<small>TIP NO.</small> R-5719	<small>SHEET NO.</small> SIGN-1
<small>APPROVED:</small> _____	
<small>DATE:</small> _____	
	
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T.I.P.: R-5719

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>
901.10	TYPE 'A' SIGNS
901.20	TYPE 'B' SIGNS
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - FOR TYPE A AND TYPE B SIGNS
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

PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, U CHANNEL
2. SIGN ERECTION, RELOCATE SIGN TYPE E
3. DISPOSAL OF SUPPORT, U-CHANNEL

GENERAL NOTES

- . SIGNS FURNISHED BY STATE
- . CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.
- . 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.
- . 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.

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	3.0	C.Y.
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	1.0	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	3,032	LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	864	L.F.
4096000000	904	SIGN ERECTION, TYPE D	5	EA.
4102000000	904	SIGN ERECTION, TYPE E	22	EA.
4108000000	904	SIGN ERECTION, TYPE F	9	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	6	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	1	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	24	EA.

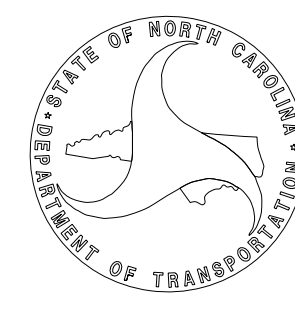
INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
SIGN-1	TITLE SHEET
SIGN-2-2B	SUPPORT INFORMATION
SIGN-3	E AND F SHEETS
SIGN-4A-4C	SIGN DESIGNS
SIGN-5-11	SIGN DETAIL SHEETS

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

SIGNING & DELINEATION REGIONAL ENGINEER

SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY: VHB Engineering NC, P.C.

Joseph Lewis, PE PROJECT ENGINEER

A. Matthew Thigpen, PE PROJECT DESIGN ENGINEER



4000 WestChase Boulevard Suite 530
Raleigh, NC 27607
NC License No. C-3705

CONTRACT:

APPROVED: _____
DATE: _____

SEAL



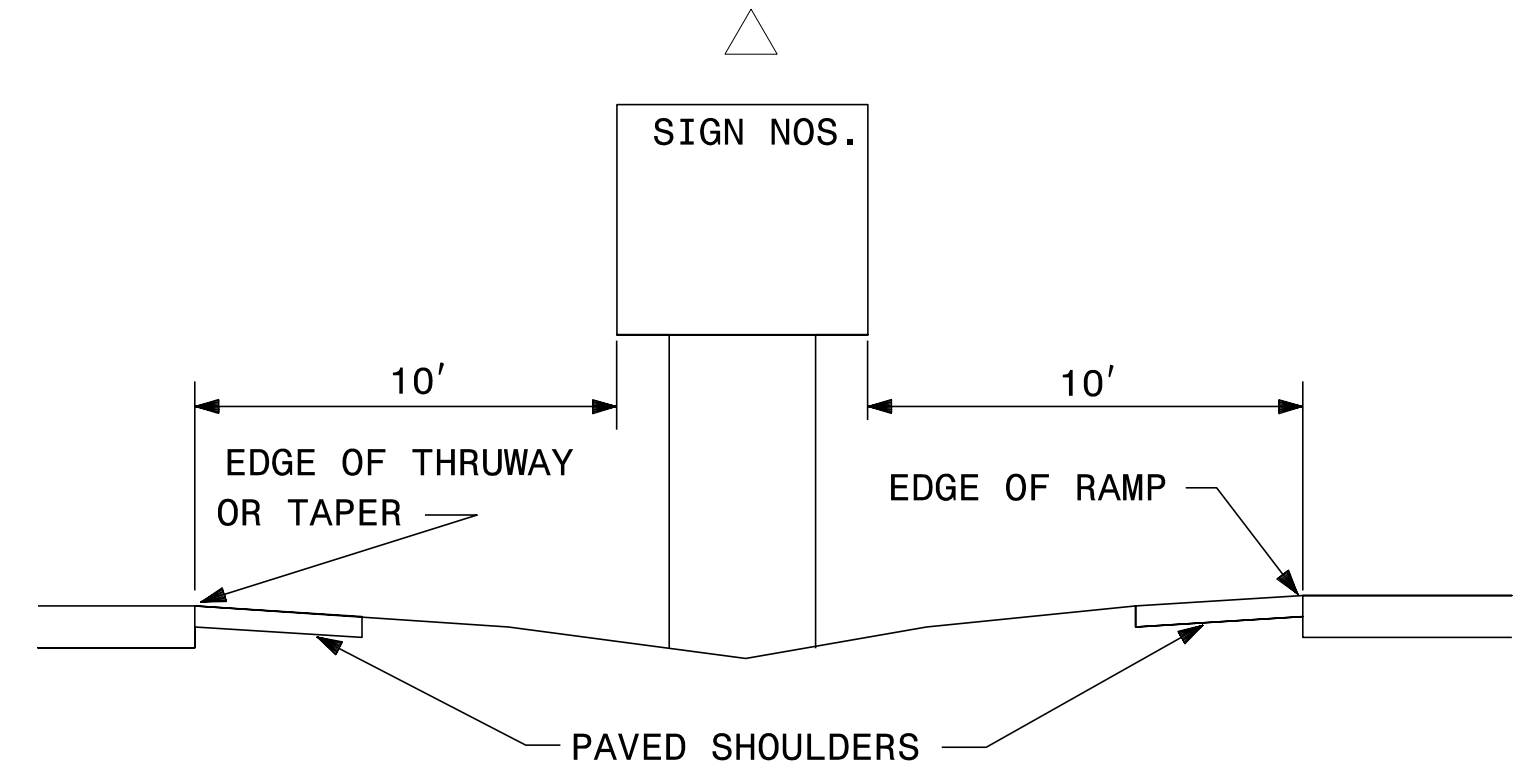
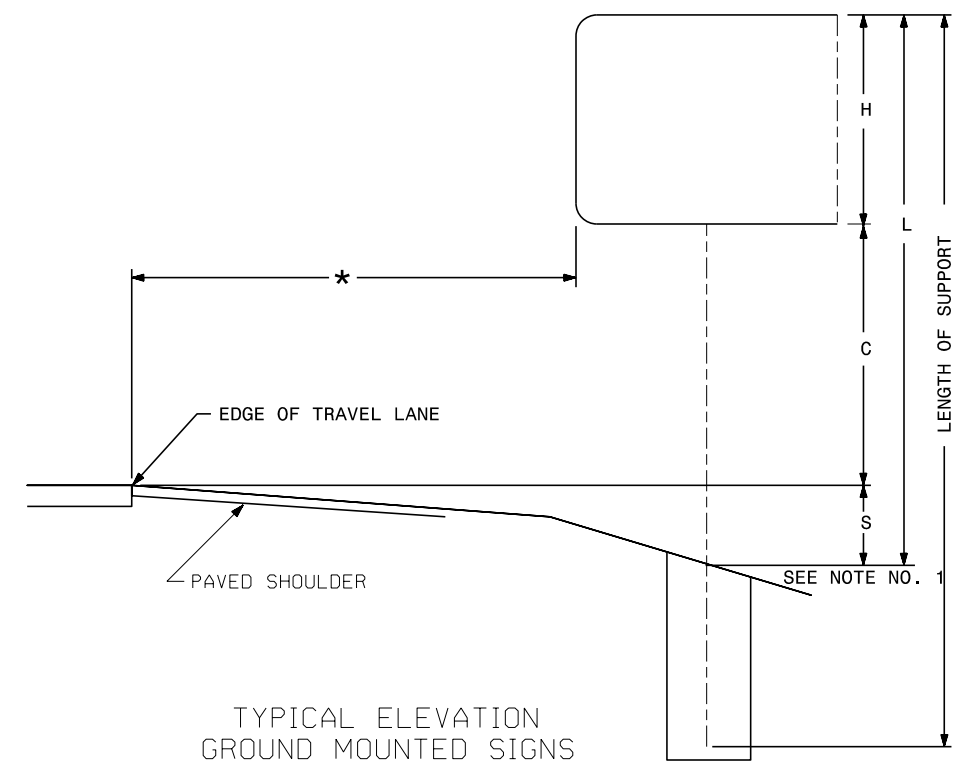
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Version: 3.0 Posted: 9/14/2016

NUMBER	SIGN TYPE	SIGN SIZE (in.)			ROADWAY STATION	NUMBER OF SUPPORTS	BEAM SECTION	SUPPORT TYPE BA or S	OMNI COUPLER	ATTACHMENT METHOD	MOUNTING METHOD	HORIZONTAL CLEARANCE* (ft.)	SUPPORT SPACING	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			SUPPORT WEIGHTS		FOOTINGS				FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)																								
		w	x	h										SNS HT	MTG HT	EMBED-MENT	S	L	LENGTH	S	L	TOTAL LENGTH	S	L	LENGTH	B/A (lbs.)	SIMPLE (lbs.)	DIAMETER (ft.)	DEPTH (ft.)	REINFORCED (c.y.)	PLAIN (c.y.)																									
		"H"	"C"											S	L	LENGTH	S	L	TOTAL LENGTH	S	L	LENGTH	S	L	LENGTH																															
101	A	216	x	60		2	W6x9	BA	N/A	N/A	N/A	30.00	10.55	5.00	7.00	3.0	1.00	13.00	16.00	0.00	0.00	0.00	1.50	13.50	16.50	356.50	0	1.5	3.5	0.46	0.00																									
102	A	216	x	72	19+50	2	W6x12	BA	N/A	N/A	N/A	30.00	10.55	6.00	7.00	3.5	2.12	15.12	18.62	0.00	0.00	0.00	0.75	13.75	17.25	508.44	0	1.5	4	0.52	0.00																									
103	A	216	x	72	58+00	2	W6x16	BA	N/A	N/A	N/A	30.00	10.55	6.00	7.00	4.0	3.05	16.05	20.05	0.00	0.00	0.00	6.58	19.58	23.58	792.08	0	1.5	4.5	0.59	0.00																									
104	A	216	x	60	0	2	W6x16	BA	N/A	N/A	N/A	30.00	10.55	5.00	7.00	3.5	3.00	15.00	18.50	0.00	0.00	0.00	7.00	19.00	22.50	750.00	0	1.5	4	0.52	0.00																									
105	B	108	x	30	0	2	S3x5.7	BA	N/A	N/A	N/A	30.00	5.27	2.50	7.00	2.0	1.50	11.00	13.00	0.00	0.00	0.00	3.00	12.50	14.50	192.75	0	1.0	2.5	0.00	0.15																									
201	B	48	x	54	28+50	2	S3x5.7	BA	N/A	N/A	N/A	Δ	2.34	4.50	7.00	2.0	1.91	13.41	15.41	0.00	0.00	0.00	2.49	13.99	15.99	214.98	0	1.0	2.5	0.00	0.15																									
202	B	48	x	54	49+50	2	S3x5.7	BA	N/A	N/A	N/A	Δ	2.34	4.50	7.00	2.0	2.03	13.53	15.53	0.00	0.00	0.00	2.61	14.11	16.11	216.35	0	1.0	2.5	0.00	0.15																									
																								TOTAL	TOTAL	TOTAL	TOTAL																													
																								3031.10	0.00	2.09	0.44																													
																								USE:	3032.00	0.00	3.00	1.00																												

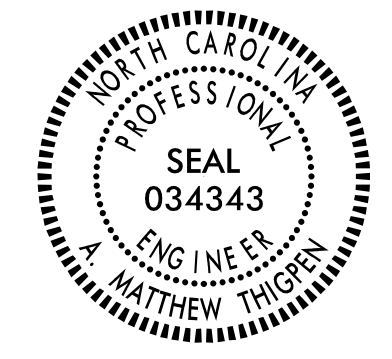
NOTES

- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF PAVEMENT.
- FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (*) ARTICLE 1072-1. (*) = N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES
- PLAN LOCATIONS FOR EXISTING UTILITIES ARE BASED ON THE BEST AVAILABLE INFORMATION AND, THEREFORE MAY NOT BE PRECISELY ACCURATE. THEREFORE, IT IS INCUMBENT UPON THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE BEGINNING WORK IN A LOCATION.
- IF THE GROUNDWATER IS ENCOUNTERED AT A DEPTH SHALLOWER THAN 7 FEET, THE SIGN FOUNDATION MUST BE REDESIGNED BASED UPON THE ACTUAL FIELD CONDITIONS. THE FOUNDATION DESIGN DOES NOT APPLY TO VERY SOFT OR LOOSE SOIL, MUCK, WEATHERED ROCK, OR HARD ROCK.



TYPE "A" AND TYPE "B" GROUND MOUNTED SIGNS

2/21/2017 \\vib6p001\raleigh\38527.01\wether111\T01_R-5719\NCDDOT\Traffic\Signing\CADD\Signing Layout Plans\PEF Engseed 11-23-15.dgn User:RTHigpen



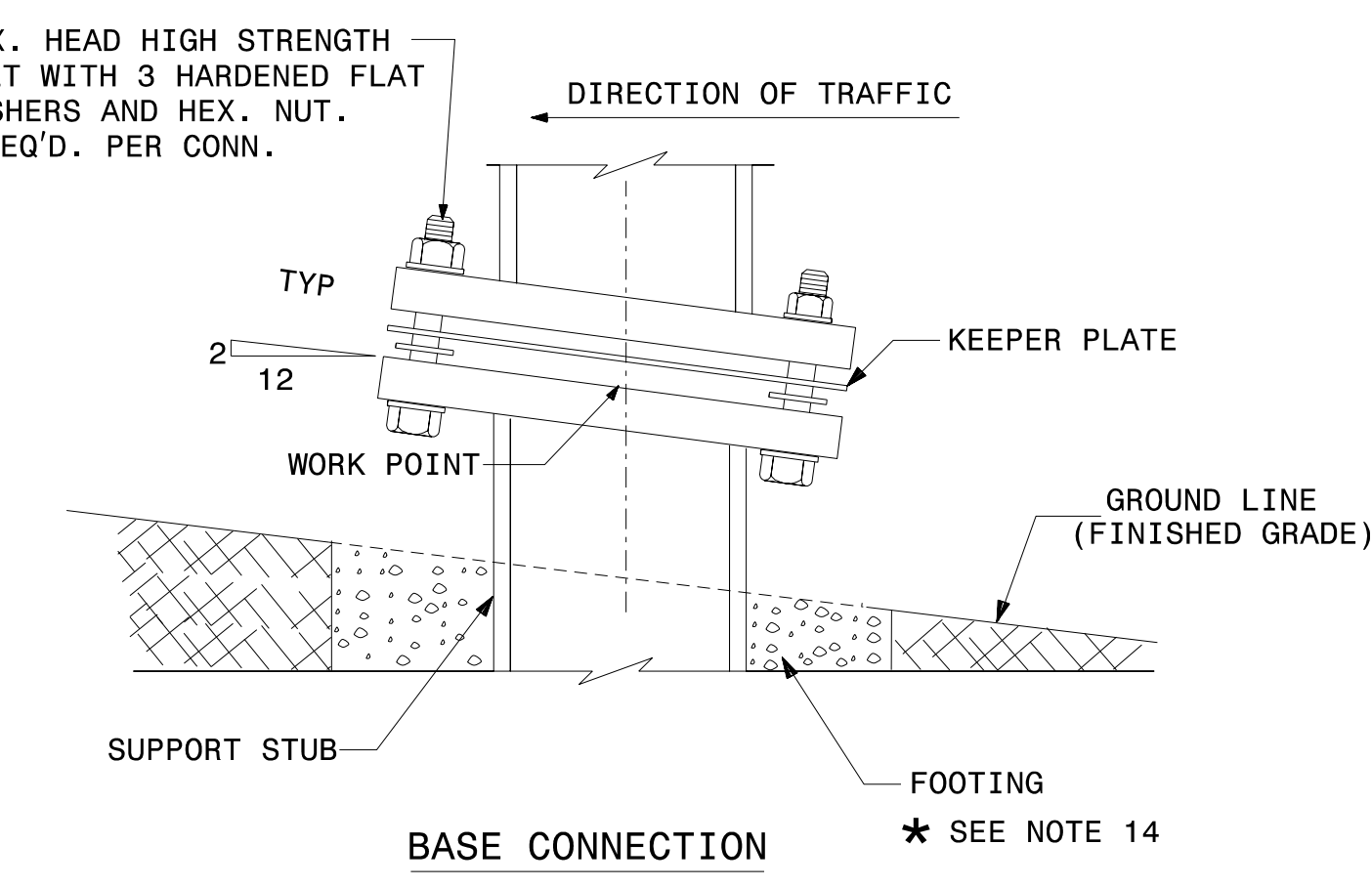
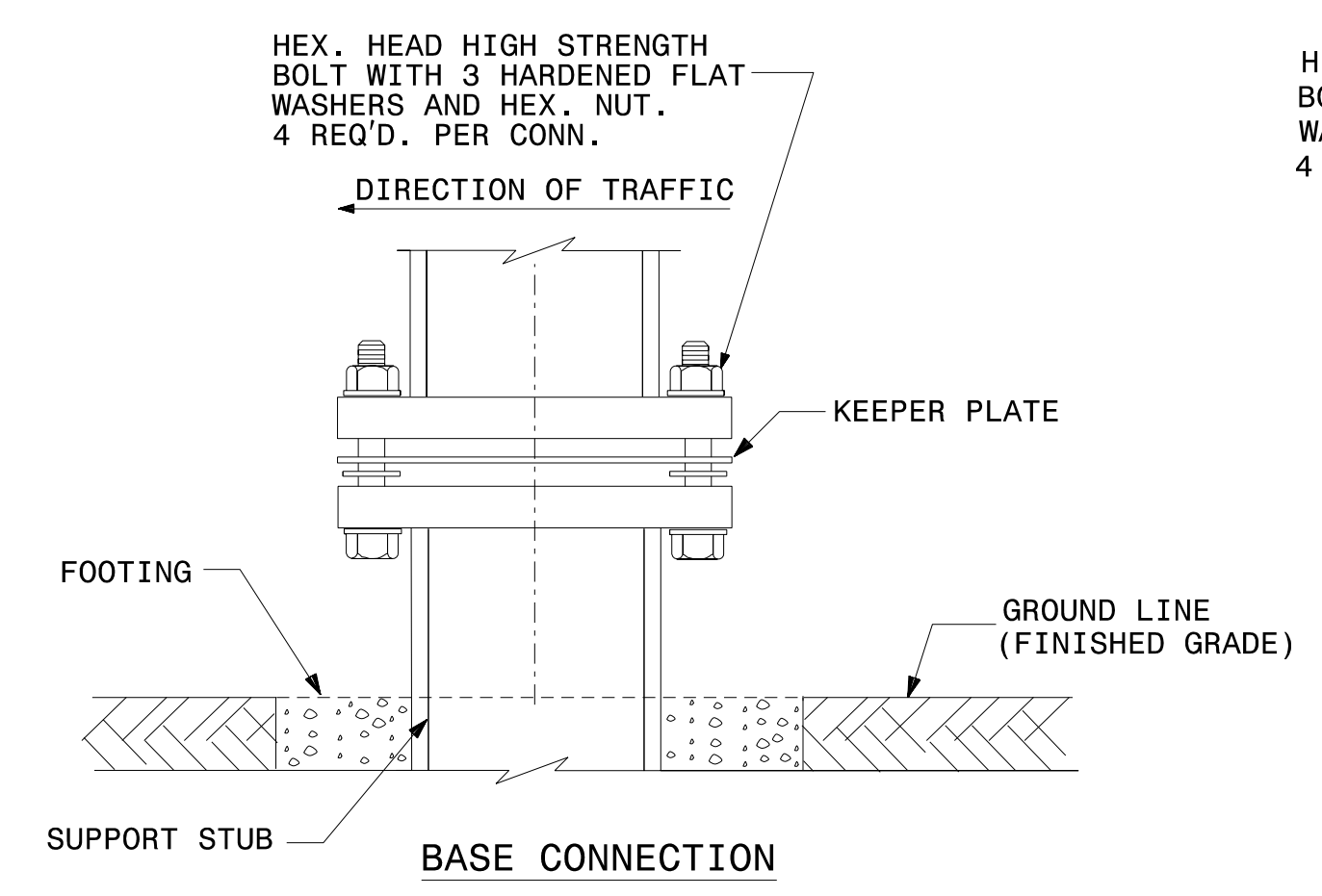
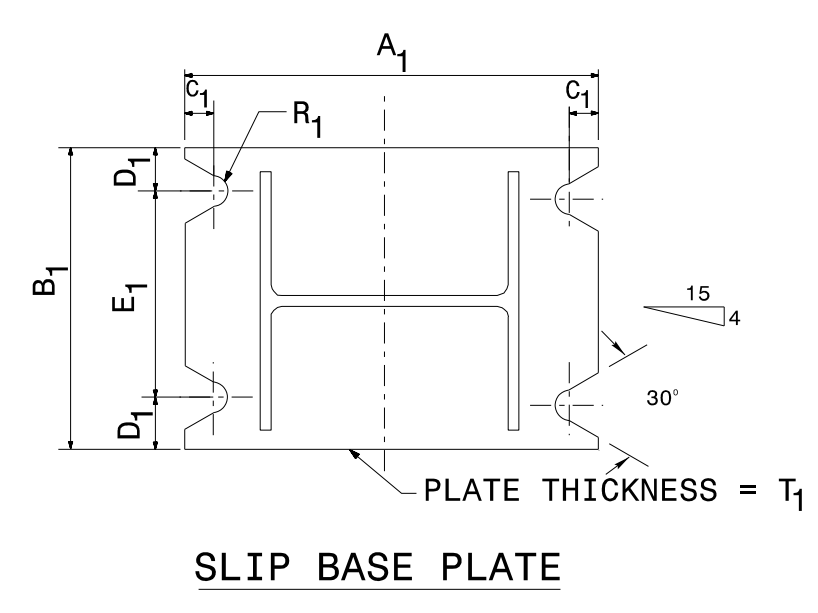
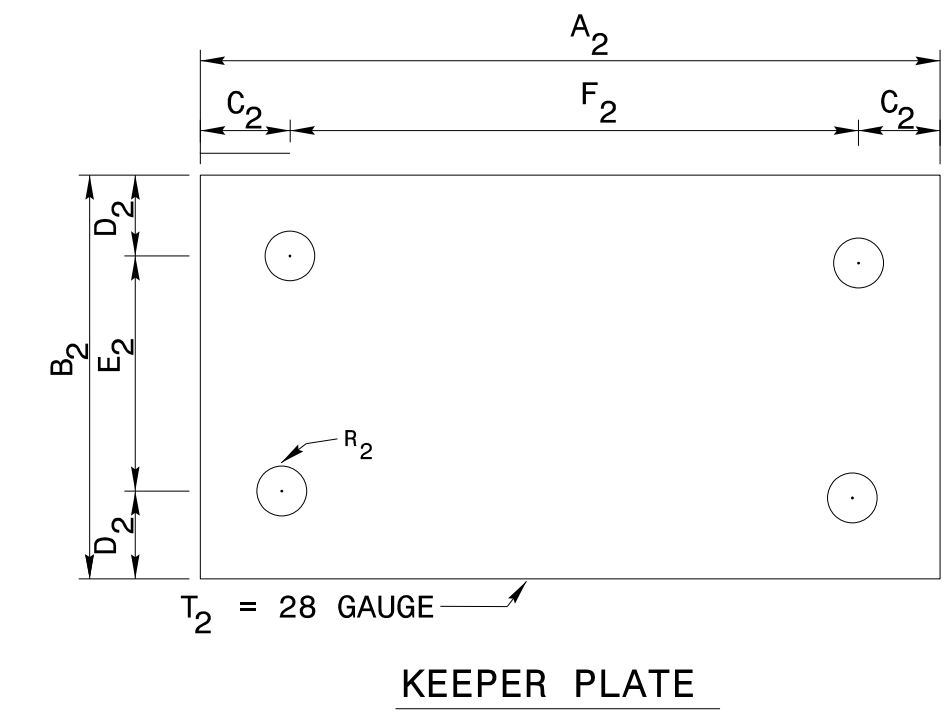
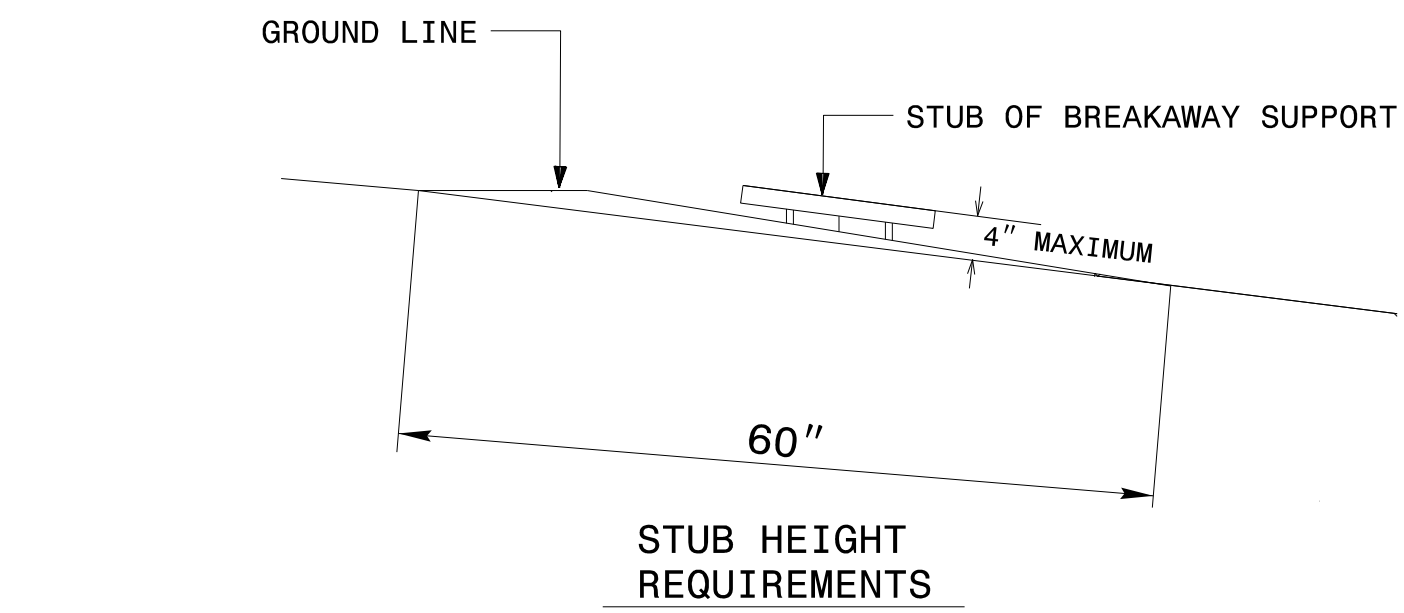
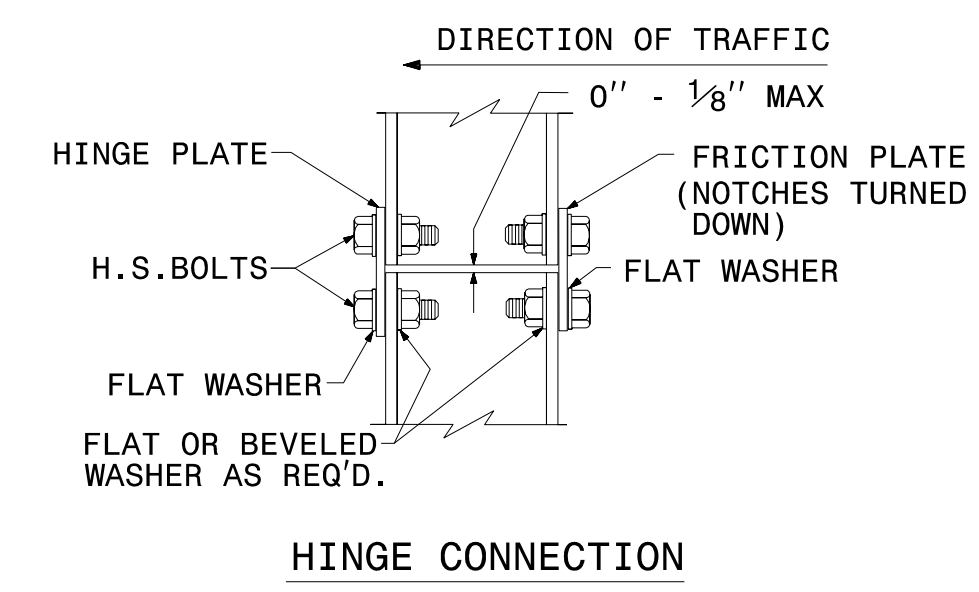
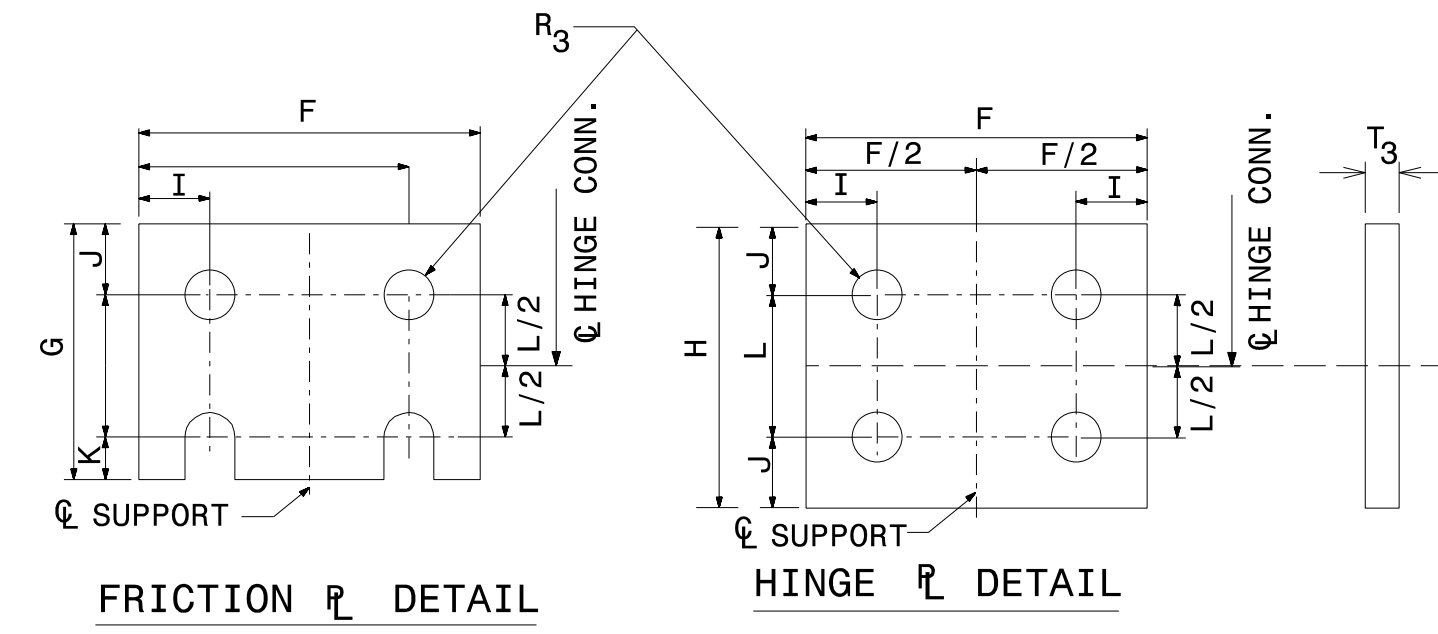
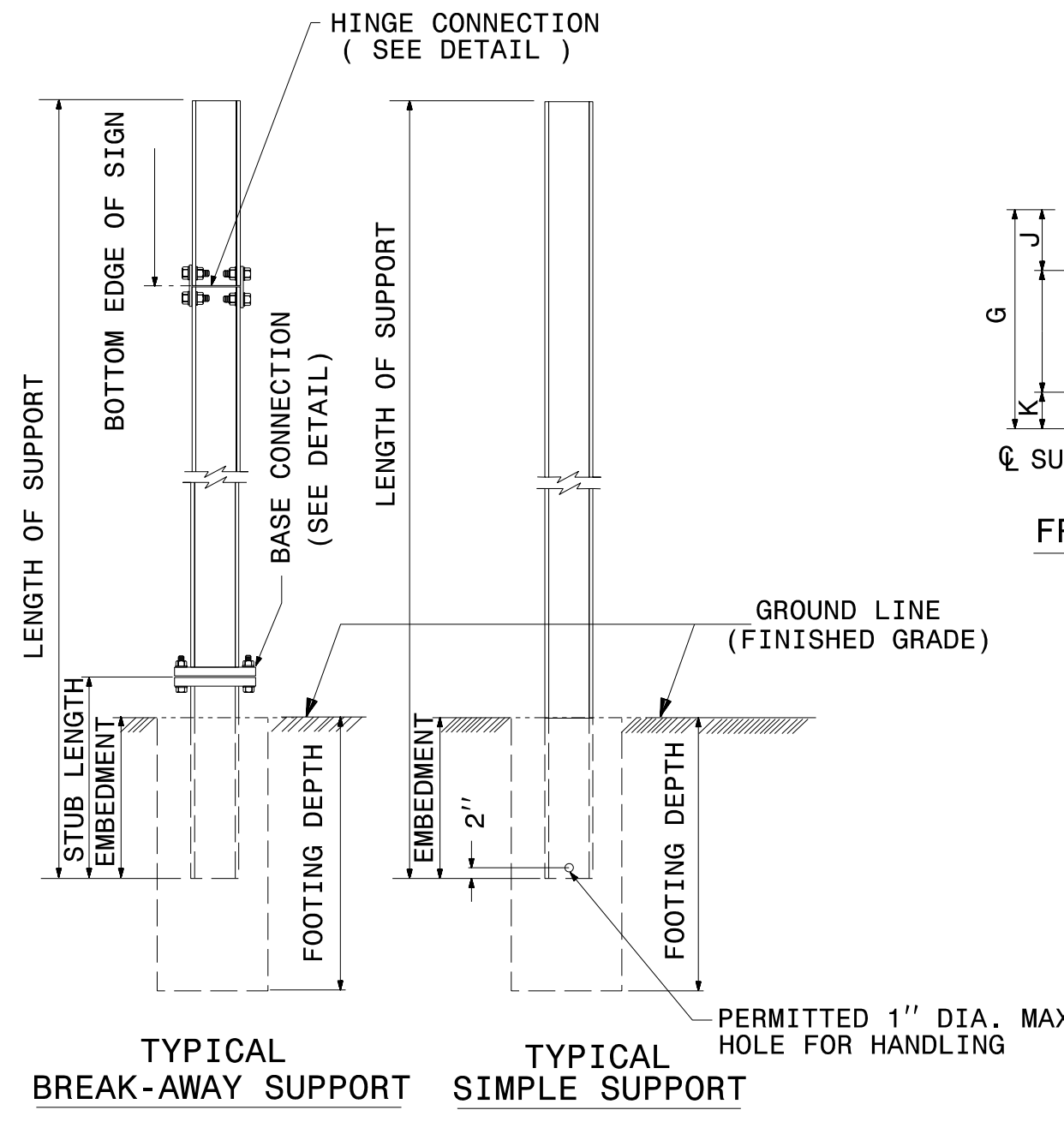
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12

ENGLISH STANDARD DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 1 OF 3

903D10



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

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

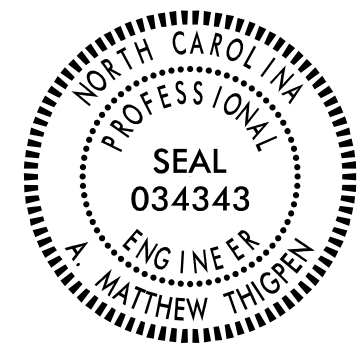
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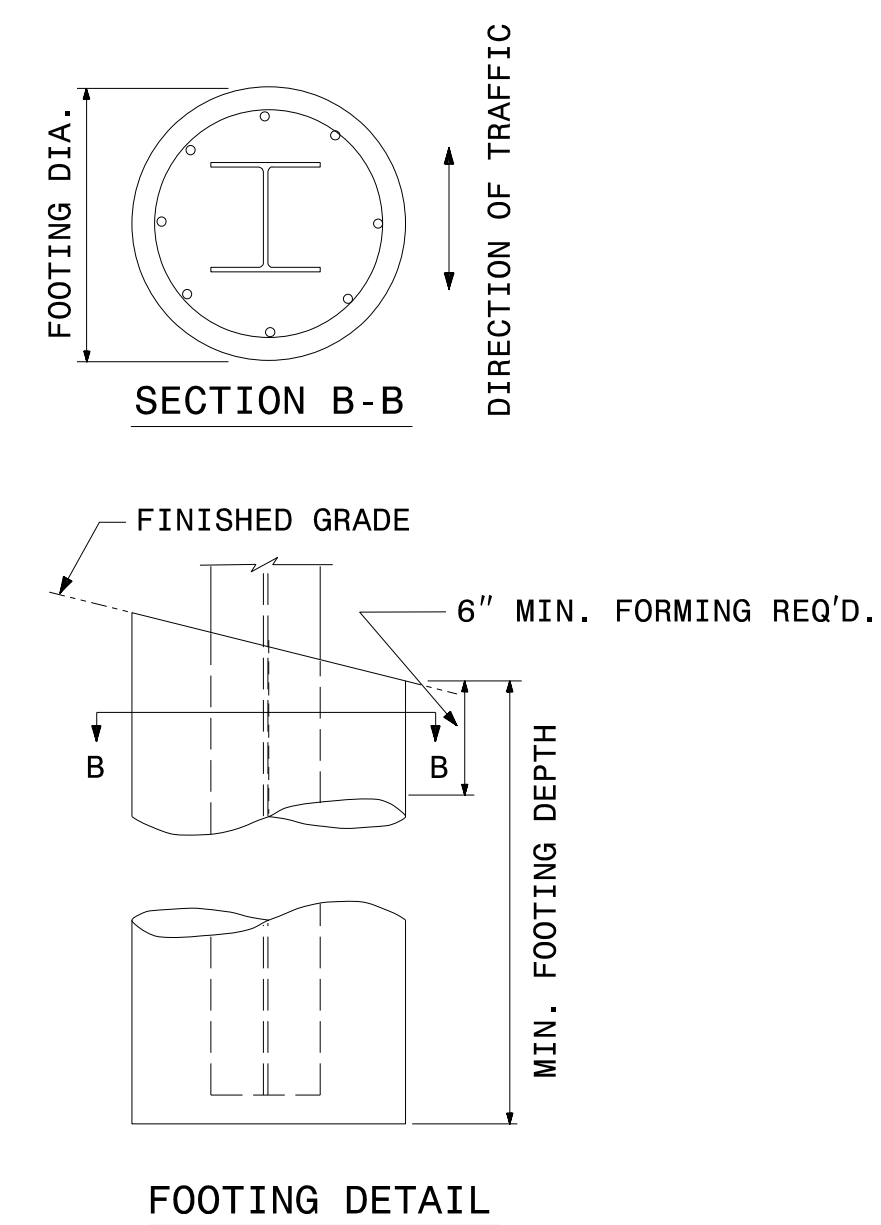
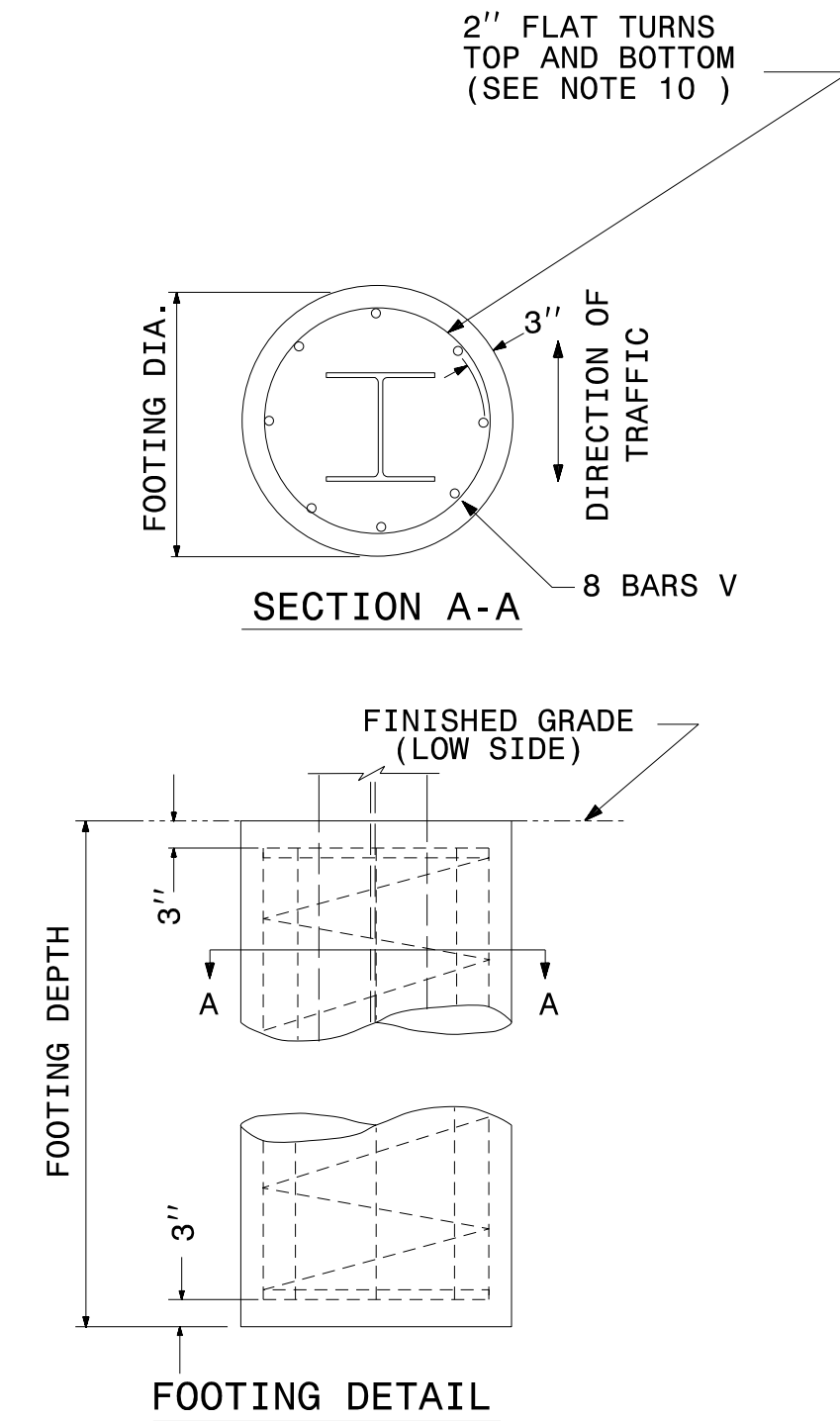


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RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 2 OF 3
903D10

BEAM SHAPE	SLIP BASE PLATE DATA								KEEPER PLATE DATA								HINGE CONNECTION DATA								BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.	
	BOLT SIZE	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"	9/32"	7"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2"DIA. X 1 3/4"	2 1/4"	3 1/2"	4"	1/2"	1"	1/2"	2"	9/32"	3/8"	18
S4x7.7	1/2"DIA. X 3/4"	8"	4"	1"	3/4"	2 1/2"	1"	9/32"	8"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2"DIA. X 1 3/4"	2 5/8"	3 1/2"	4"	1/2"	1"	1/2"	2"	9/32"	3/8"	20
W6x9	1/2"DIA. X 3/4"	10"	5"	1"	3/4"	3 1/2"	1"	9/32"	10"	5"	1"	3/4"	3 1/2"	9/32"	28 GAUGE	1/2"DIA. X 1 3/4"	4"	3 1/2"	4"	3/4"	1"	1/2"	2"	9/32"	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



FOUNDATION DATA *		
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
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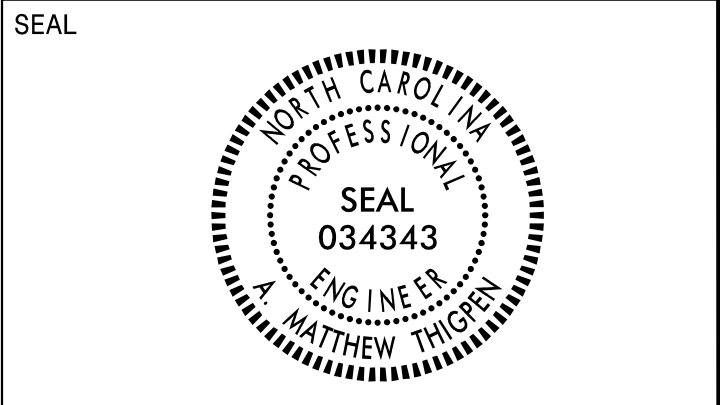
ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 2 OF 3
903D10

**REVISED SIGNING
ROADWAY STANDARD DRAWING**

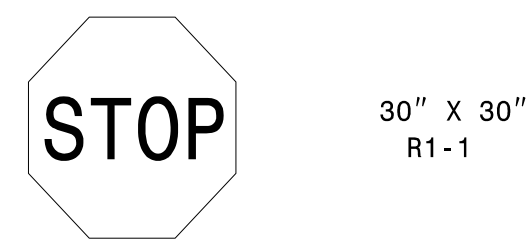
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401 QUANTITY REQ'D 4



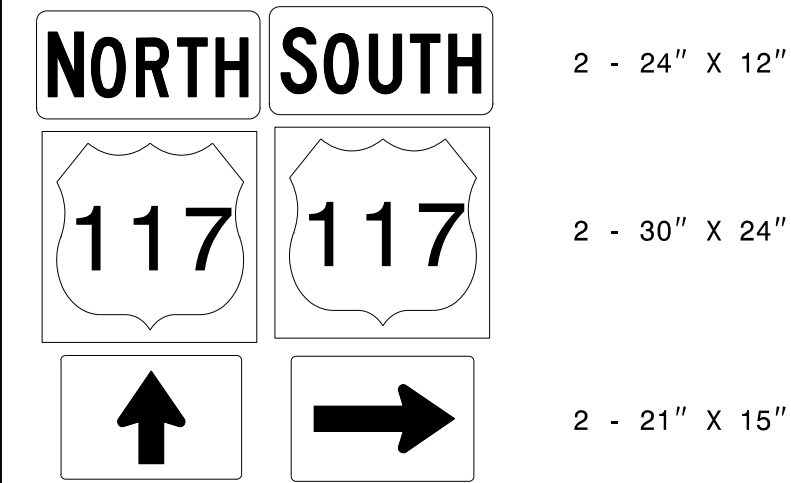
ONE "U" POST PER SIGN

406 QUANTITY REQ'D 4

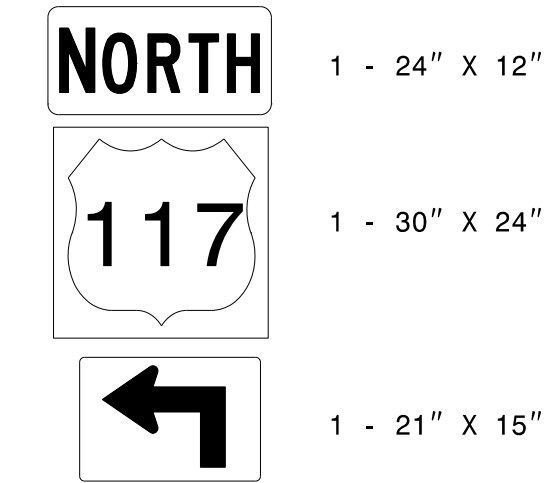


ONE "U" POST PER SIGN

501



506

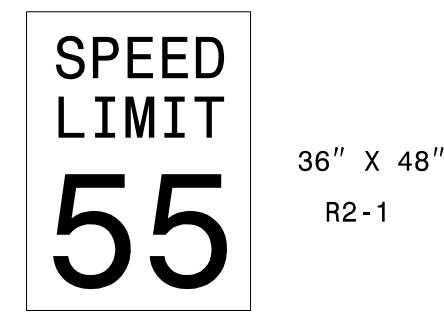


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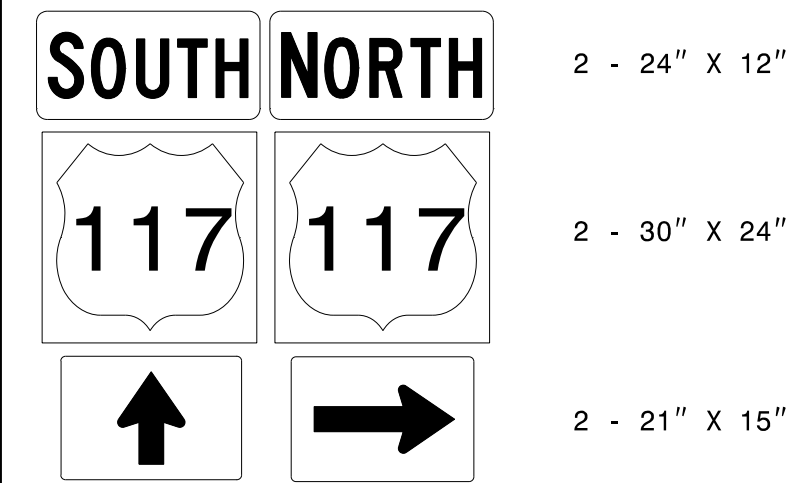
TWO "U" POSTS PER SIGN

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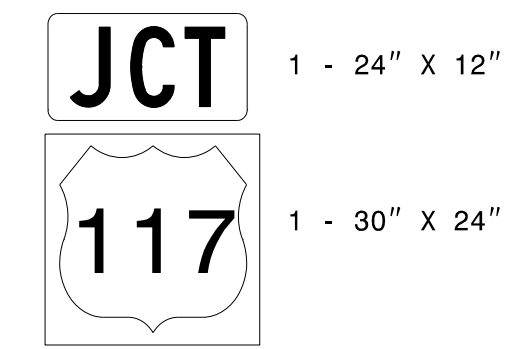


ONE "U" POST PER SIGN

502



507

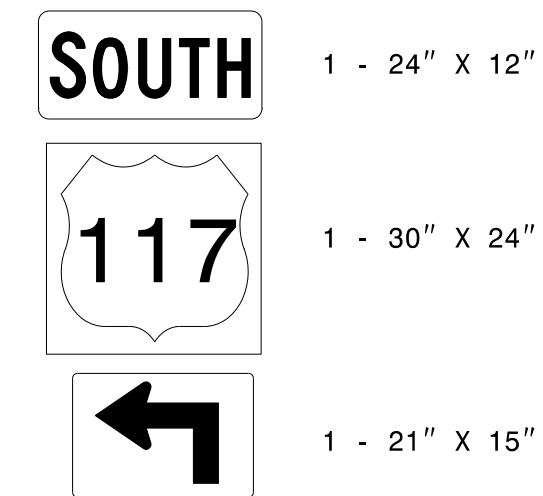


403 QUANTITY REQ'D 2

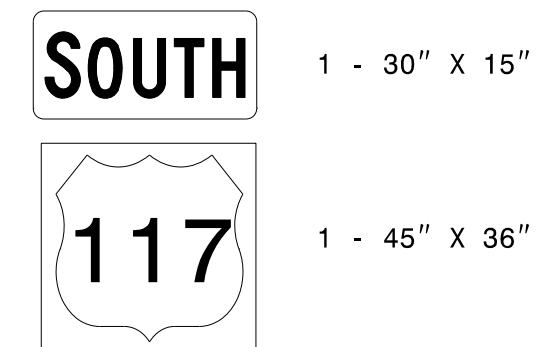


TWO "U" POSTS PER SIGN

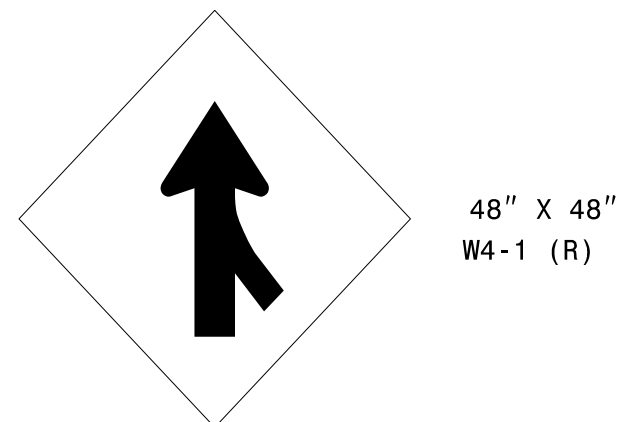
503



508

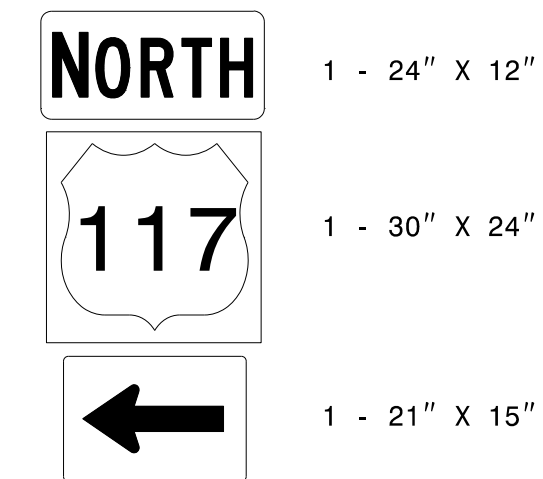


404 QUANTITY REQ'D 2

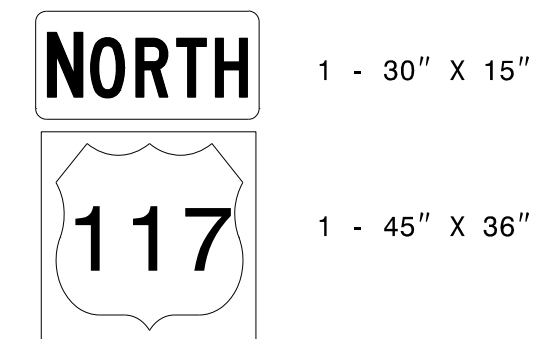


TWO "U" POSTS PER SIGN

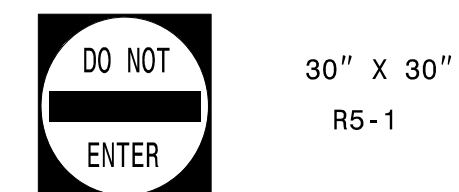
504



509

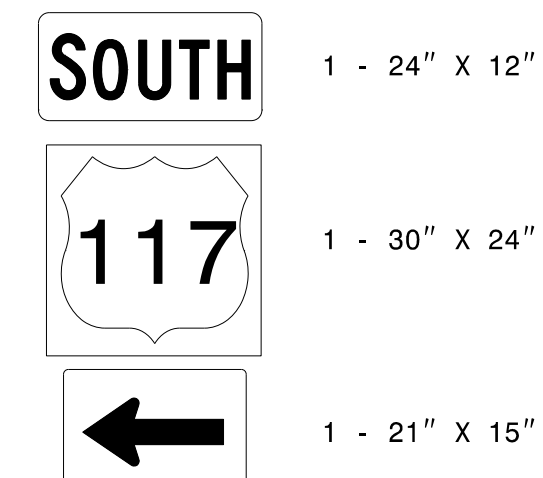


405 QUANTITY REQ'D 4



ONE "U" POST PER SIGN

505

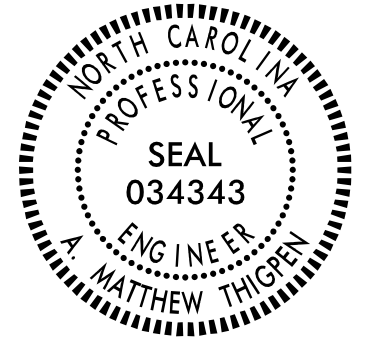


TYPE "E" AND "F" SIGNS

APPROVED: _____

DATE: _____

SEAL



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SIGN NUMBER: 101, 104 BACKG COLOR: Green DESIGN BY: M. THIGPEN CHECKED BY: J. LEWIS Sep 29, 2016
 TYPE: A COPY COLOR: White PROJECT ID: R-5719 DIV: 04

QUANTITY: 1 SYMBOL X Y WID HT

SIGN WIDTH: 18'-0"
 HEIGHT: 5'-0"
 TOTAL AREA: 90.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 8"

NO. Z BARS: 2 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 208.0

USE NOTES: 1, 2

- Legend and border(except those that are colored black) shall be direct applied Grade B sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Panel Style: guide_exp_advance_intermediate.ssi
 M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

C	o	u	n	t	r	y	C	l	u	b	R	d	Series/Size	Text Length		
18.3	31.7	45	59.2	72	83.3	91.7	103.1	116.5	131.1	139.2	153.4	162.2	175.6	188.9	EM 2000	
																179.4
E	X	I	T	1/2	M	I	L	E								E 2000
55.4	64.3	75	78.5	98	127.5	139.5	143.9	153.1								105.3

FILENAME: Guidesign_English_8-2-13 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 105 BACKG COLOR: Green DESIGN BY: M. Thigpen CHECKED BY: J. Lewis Nov 15, 2016
 TYPE: B COPY COLOR: White PROJECT ID: R-5719 DIV: 04

QUANTITY: 1 SYMBOL X Y WID HT

SIGN WIDTH: 9'-0"
 HEIGHT: 2'-6"
 TOTAL AREA: 22.5 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.75"
 RADII: 4"

NO. Z BARS: 2 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 100.0

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.

Panel Style: guide_exp_distance.ssi
 M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

M	o	u	n	t	O	l	i	v	e	Series/Size	Text Length
10.5	20	27.9	36.4	44	48.2	56.2	65.3	70.1	74	81.8	EM 2000
											76.6
1											EM 2000
95.1											2.4

FILENAME: Guidesign_English_8-2-13 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 102, 103 BACKG COLOR: Green DESIGN BY: M. THIGPEN CHECKED BY: J. LEWIS Sep 29, 2016
 TYPE: A COPY COLOR: White PROJECT ID: R-5719 DIV: 04

QUANTITY: 1 SYMBOL X Y WID HT

SIGN WIDTH: 18'-0"
 HEIGHT: 6'-0"
 TOTAL AREA: 108.0 Sq.Ft.

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

NO. Z BARS: 2 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 208.0

USE NOTES: 1, 2, 3

- Legend and border(except those that are colored black) shall be direct applied Grade B sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Panel Style: guide_exp_advance_intermediate.ssi
 M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

C	o	u	n	t	r	y	C	l	u	b	R	d	Series/Size	Text Length		
18.3	31.7	45	59.2	72	83.3	91.7	103.1	116.5	131.1	139.2	153.4	162.2	175.6	188.9	EM 2000	
																179.4

FILENAME: Guidesign_English_8-2-13 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 201, 202 BACKG COLOR: Green DESIGN BY: M. Thigpen CHECKED BY: J. Lewis Jan 21, 2016
 TYPE: B COPY COLOR: White PROJECT ID: U-5796 DIV: 04

QUANTITY: 2 SYMBOL X Y WID HT

SIGN WIDTH: 4'-0"
 HEIGHT: 4'-6"
 TOTAL AREA: 18.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 8"

NO. Z BARS: 2 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 40.0

USE NOTES: 1, 2, 3

- Legend and border(except those that are colored black) shall be direct applied Grade B sheeting.
- Background shall be Grade A, B, or C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Panel Style: guide_exp_gore.ssi
 M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

E	X	I	T	Series/Size	Text Length	
8.6	8.8	10.8	3.8	7.4	8.6	EM 2000
						30.8

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

APPROVED: _____

DATE: _____

SEAL



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UNLESS ALL SIGNATURES COMPLETED

SIGN NUMBER: 301 BACKG COLOR: Green
TYPE: D COPY COLOR: White
QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type D	5.9	6	6	9

SIGN WIDTH: 6'-0"
HEIGHT: 1'-6"
TOTAL AREA: 9.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 1.5"

NO. Z BARS: _____
LENGTH: _____

DESIGN BY: M. THIGPEN CHECKED BY: J. LEWIS Sep 29, 2016
PROJECT ID: R-5719 DIV: 04

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.

Panel Style: guide_con_destination.ssi
M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

M	o	u	n	t	o	l	i	v	e	Series/Size	Text Length
20.9	26.7	31.2	36	40.1	42.5	48.5	54	56.1	57.8	D 2000	45.2

FILENAME: Guidesign_English_8-2-13 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 303 BACKG COLOR: Green
TYPE: D COPY COLOR: White
QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type D	7.4	16.5	6	9
AR_Type D	52	4.5	6	9

SIGN WIDTH: 6'-0"
HEIGHT: 2'-6"
TOTAL AREA: 15.0 Sq.Ft.

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

NO. Z BARS: _____
LENGTH: _____

DESIGN BY: M. THIGPEN CHECKED BY: J. LEWIS Sep 29, 2016
PROJECT ID: R-5719 DIV: 04

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.

Panel Style: guide_con_destination.ssi
M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

M	o	u	n	t	o	l	i	v	e	Series/Size	Text Length
19.4	25.2	29.7	34.5	38.6	41	47	52.5	54.6	56.3	D 2000	45.2
G	o	l	d	s	b	o	r	o		D 2000	35
11	16.1	20.7	22.6	27	30.6	35	39.6	42.3			

FILENAME: Guidesign_English_8-2-13 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302 BACKG COLOR: Green
TYPE: D COPY COLOR: White
QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type D	8	6	6	9

SIGN WIDTH: 5'-6"
HEIGHT: 1'-6"
TOTAL AREA: 8.3 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 1.5"

NO. Z BARS: _____
LENGTH: _____

DESIGN BY: M. THIGPEN CHECKED BY: J. LEWIS Jan 21, 2016
PROJECT ID: R-5719 DIV: 04

USE NOTES: 1, 2, 3
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.
3. Shields: A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Panel Style: guide_con_destination.ssi
M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

G	o	l	d	s	b	o	r	o	Series/Size	Text Length	
23	5	4.6	1.9	4.4	3.6	4.3	4.6	2.8	3.7	D 2000	35

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

SIGN NUMBER: 304 BACKG COLOR: Green
TYPE: D COPY COLOR: White
QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type D	12.5	16.5	6	9
AR_Type D	57.1	4.5	6	9

SIGN WIDTH: 6'-0"
HEIGHT: 2'-6"
TOTAL AREA: 15.0 Sq.Ft.

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

NO. Z BARS: _____
LENGTH: _____

DESIGN BY: M. THIGPEN CHECKED BY: J. LEWIS Sep 29, 2016
PROJECT ID: R-5719 DIV: 04

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.

Panel Style: guide_con_destination.ssi
M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

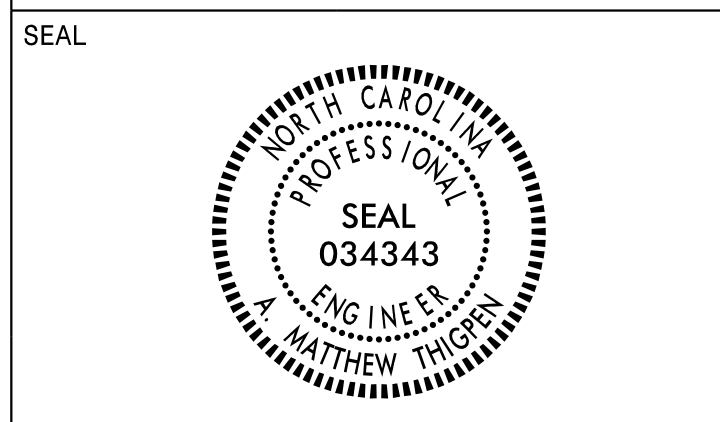
Letter locations are panel edge to lower left corner

G	o	l	d	s	b	o	r	o	Series/Size	Text Length	
24.5	29.6	34.2	38.1	40.5	44.1	48.5	53.1	55.8	D 2000	35	
M <td>o<td>u<td>n<td>t<td>o<td>l<td>i<td>v<td>e</td><td>D 2000</td><td>45.2</td> </td></td></td></td></td></td></td></td>	o <td>u<td>n<td>t<td>o<td>l<td>i<td>v<td>e</td><td>D 2000</td><td>45.2</td> </td></td></td></td></td></td></td>	u <td>n<td>t<td>o<td>l<td>i<td>v<td>e</td><td>D 2000</td><td>45.2</td> </td></td></td></td></td></td>	n <td>t<td>o<td>l<td>i<td>v<td>e</td><td>D 2000</td><td>45.2</td> </td></td></td></td></td>	t <td>o<td>l<td>i<td>v<td>e</td><td>D 2000</td><td>45.2</td> </td></td></td></td>	o <td>l<td>i<td>v<td>e</td><td>D 2000</td><td>45.2</td> </td></td></td>	l <td>i<td>v<td>e</td><td>D 2000</td><td>45.2</td> </td></td>	i <td>v<td>e</td><td>D 2000</td><td>45.2</td> </td>	v <td>e</td> <td>D 2000</td> <td>45.2</td>	e	D 2000	45.2
5.9	11.7	16.2	21	25.1	27.5	33.5	39	41.1	42.8	47.5	

FILENAME: Guidesign_English_8-2-13 NORTH CAROLINA D.O.T. SIGN DETAIL

2/21/2016 11:05:00 AM \\vib6pr03\raleigh\38527.01\Wether111\T01_R-5719\NCDDOT1\Profile\Sigging\CADD\Sigging_Layout_Plans\R-5719_sign-sh444.dgn User: M.Thigpen

APPROVED: _____
DATE: _____



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UNLESS ALL SIGNATURES COMPLETED**

SIGN NUMBER: 305	BACKG COLOR: Green	DESIGN BY: M. Thigpen	CHECKED BY: J. Lewis	Nov 15, 2016
TYPE: D	COPY COLOR: White	PROJECT ID: R-5719		DIV: 04
QUANTITY: 1				
SIGN WIDTH: 8'-0"				
HEIGHT: 2'-6"				
TOTAL AREA: 20.0 Sq.Ft.				
BORDER TYPE: FLUSH				
RECESS: 0"				
WIDTH: 1.75"				
RADII: 4"				
NO. Z BARS:	MAT'L: 0.125" (3.2 mm) ALUMINUM			
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.

BORDER
R=4"
TH=1.75"

Panel Style: guide_exp_distance.ssi
M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Letter	g	o	l	d	s	b	o	r	o	Series/Size	Text Length
	10.2	18.4	26.3	30.4	38	45.7	52.8	60.7	65.9	EM 2000	61.1
8										EM 2000	6.5
	79.3										

FILENAME: Guidsign_English_8-2-13

NORTH CAROLINA D.O.T. SIGN DETAIL

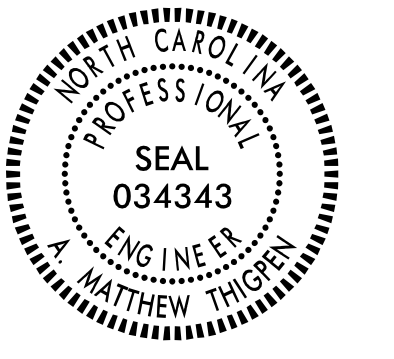
2/21/2017 \\vh5\proj\Releigh\38527.01 Wetherill T01.R-5719\NCDDOT\Traffic\Signing\CADD\Signing Layout Plans\R-5719_sign_shd04A.dgn User: MThigpen

SIGN DESIGNS

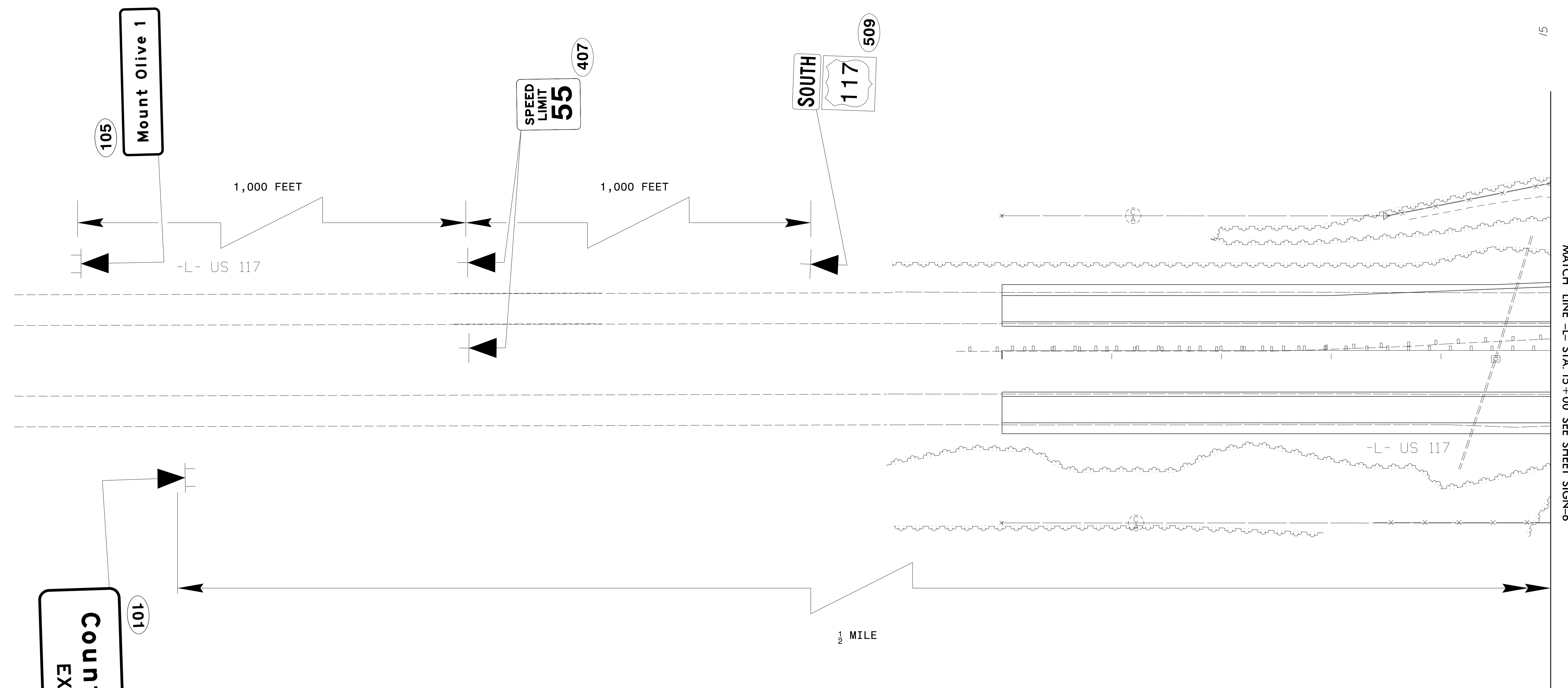
APPROVED: _____

DATE: _____

SEAL



**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



**EXISTING & PROPOSED
SIGNS**

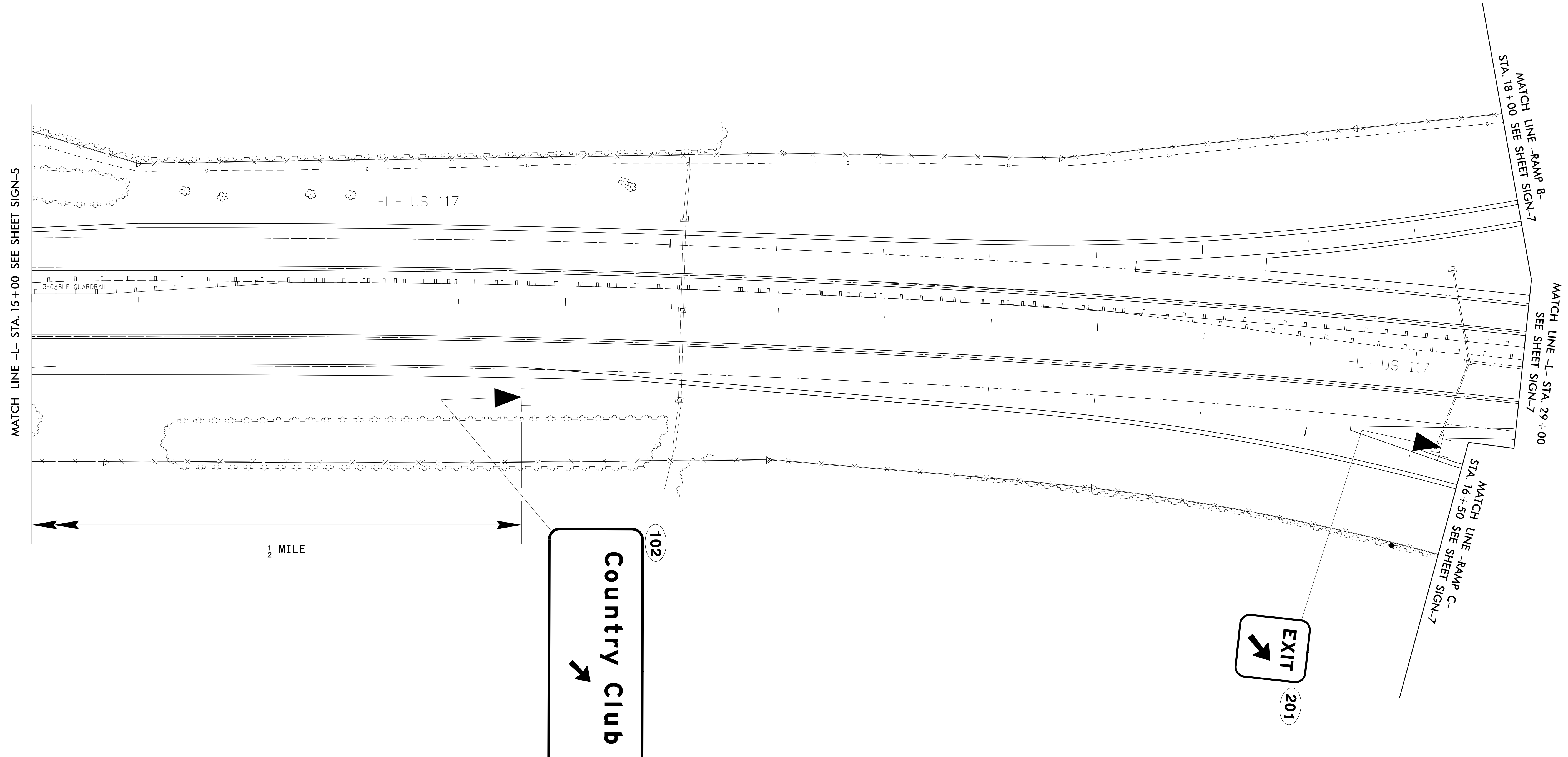
2/21/2017
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 User:WThibodeau



15

20

25



**EXISTING AND PROPOSED
SIGNS**

2/21/2017
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 User:WThibodeau

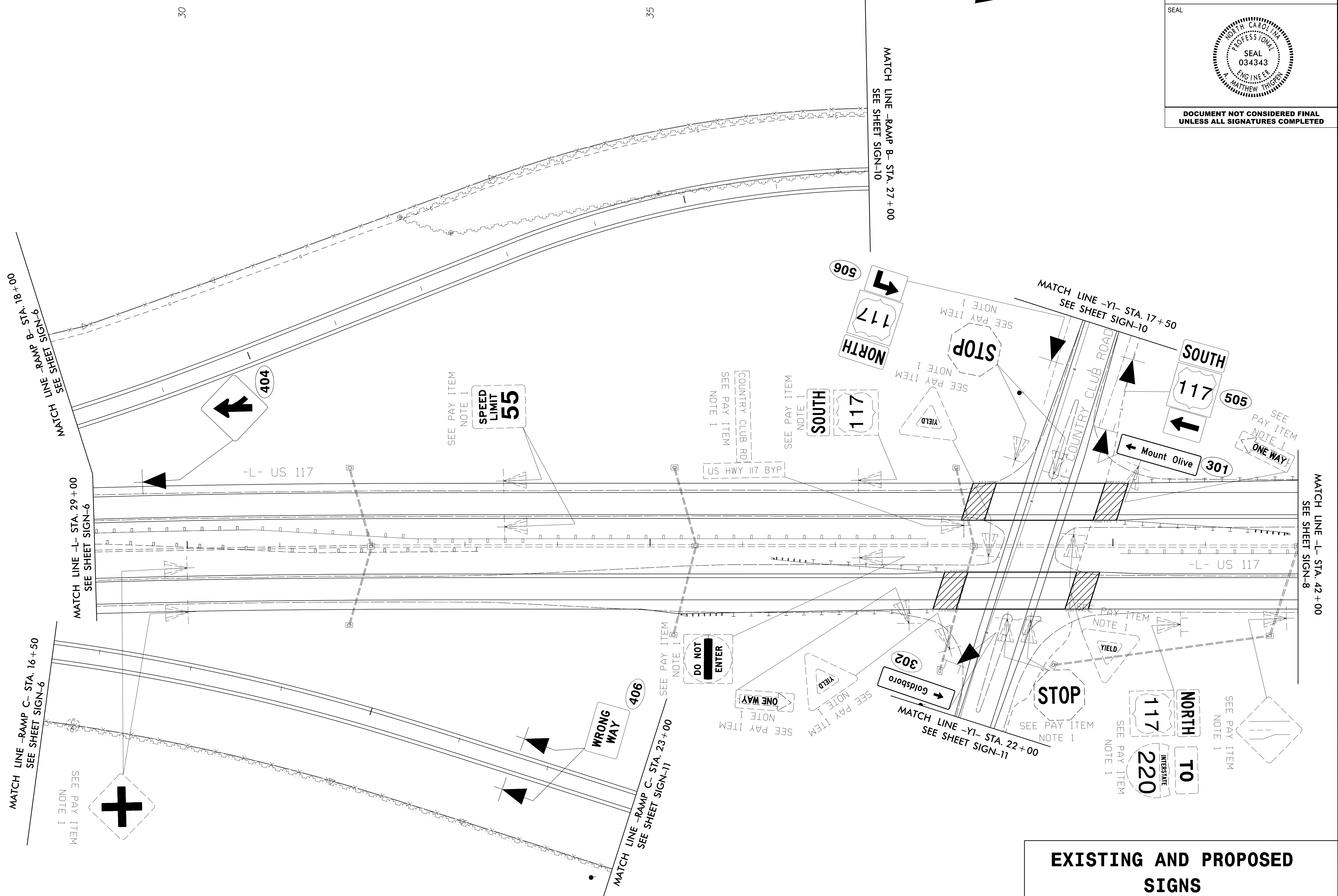
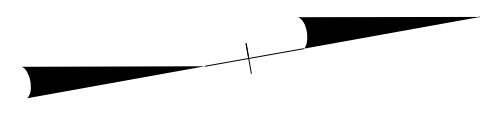
APPROVED: _____

DATE: _____

SEAL

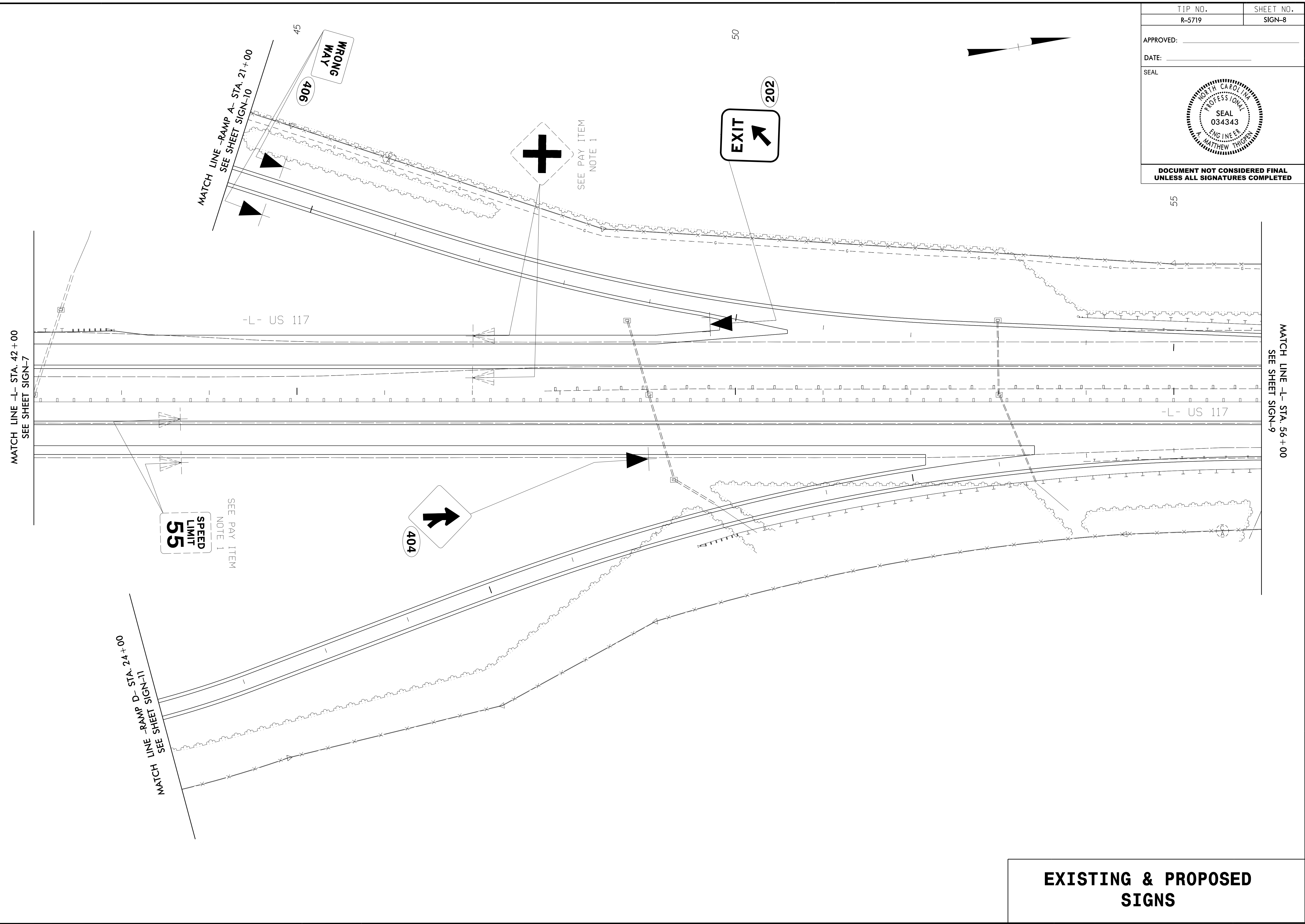


**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



**EXISTING AND PROPOSED
SIGNS**

2/21/2017
C:\v\p\p\o\j\raleigh\38527.01\wether111\T01_R-5719\NCDD01\Traffic\Signing\CADD\Signing_Layout_Plans\R5719_sign_sht07.dgn
User: MThigpen



TIP NO. R-5719	SHEET NO. SIGN-8
APPROVED: _____	DATE: _____
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**EXISTING & PROPOSED
SIGNS**

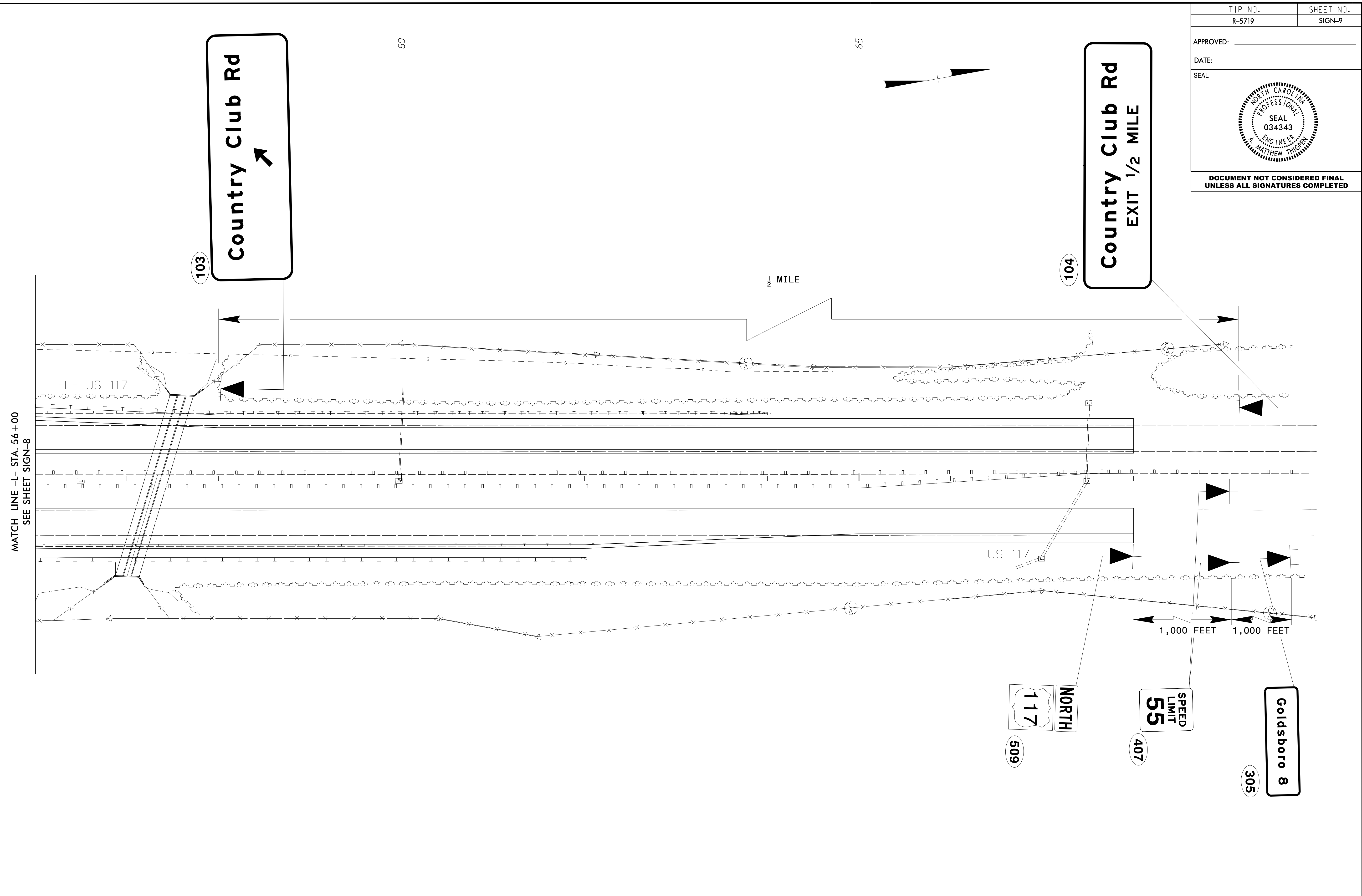
APPROVED: _____

DATE: _____

SEAL



**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



**EXISTING AND PROPOSED
SIGNS**

2/21/2017
 \\vib6pr01\raleigh\38527.01\wether111\T01_R-5719\NCDD01\Traffic\Signing\CADD\Signing_Layout_Plans\R5719_sign_sht08.dgn
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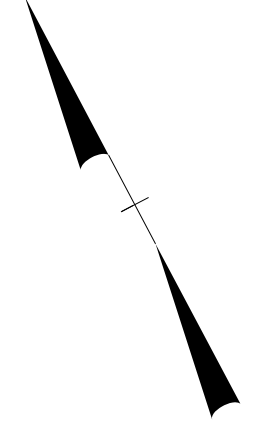
APPROVED: _____

DATE: _____

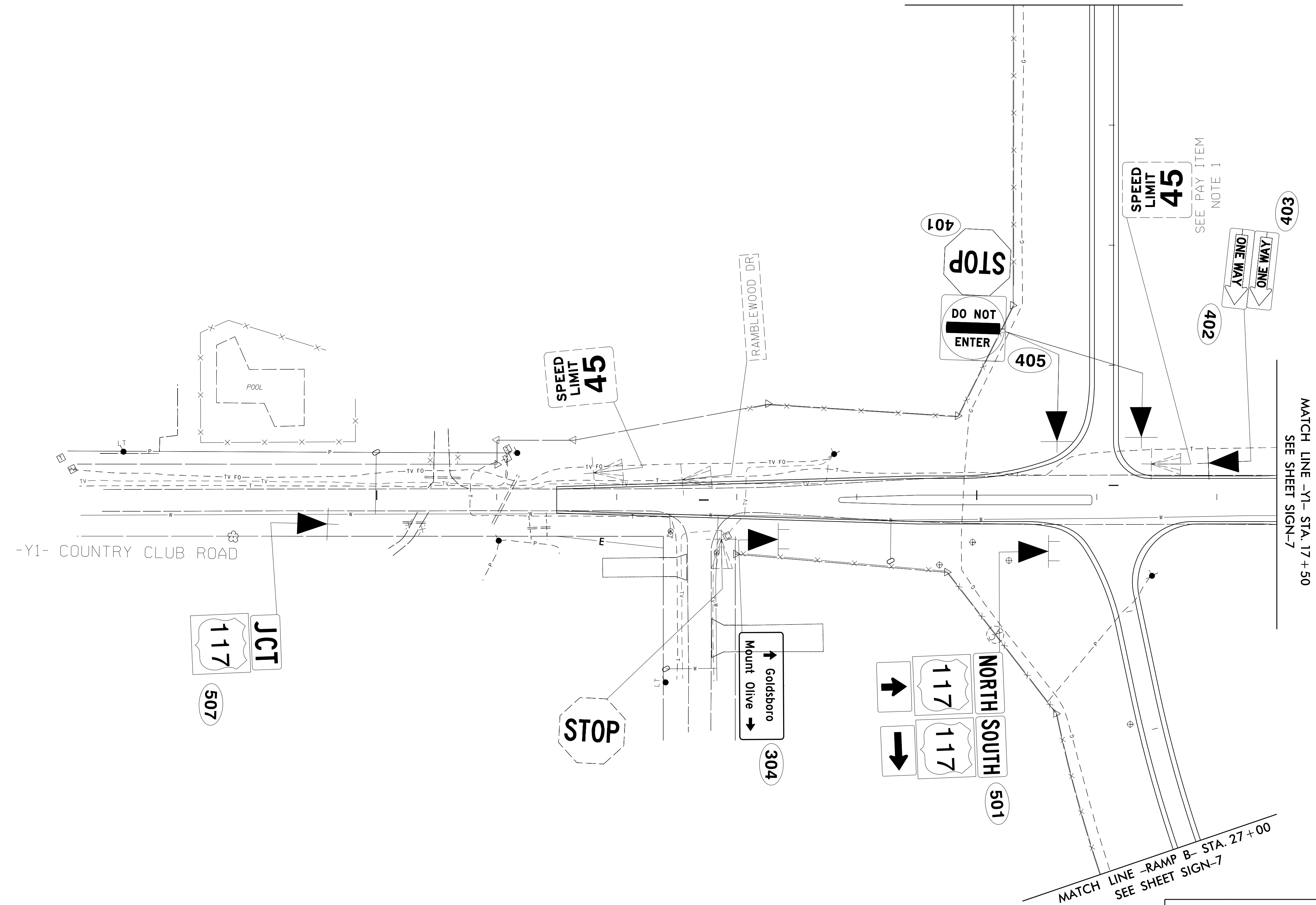
SEAL



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UNLESS ALL SIGNATURES COMPLETED**



MATCH LINE -RAMP A- STA. 21+00
SEE SHEET SIGN-8

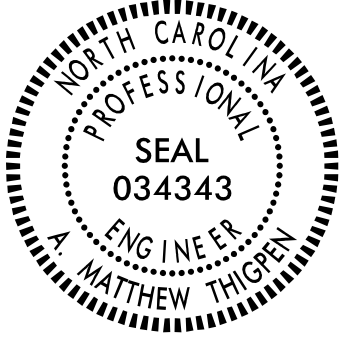


**EXISTING AND PROPOSED
SIGNS**

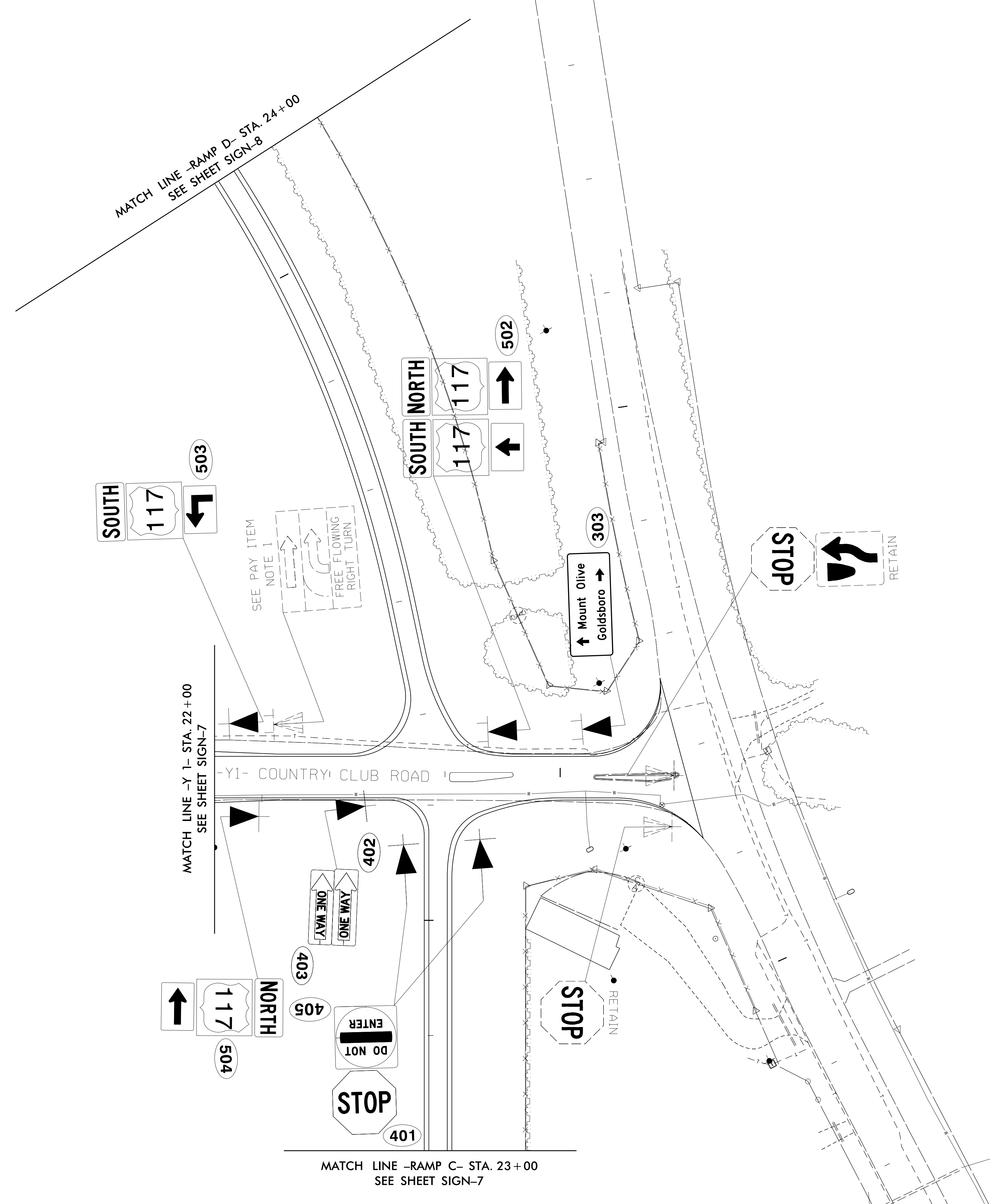
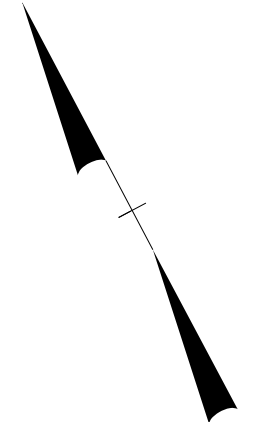
APPROVED: _____

DATE: _____

SEAL



**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



**EXISTING AND PROPOSED
SIGNS**

2/21/2017
 \\vh6prc01\raleigh\38527.01\wether111\T01_R-5719\NCDD01\Traffic\Signing\CADD\Signing_Layout_Plans\R5719_sign_sht11.dgn
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