



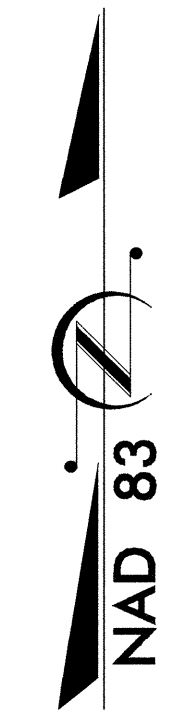
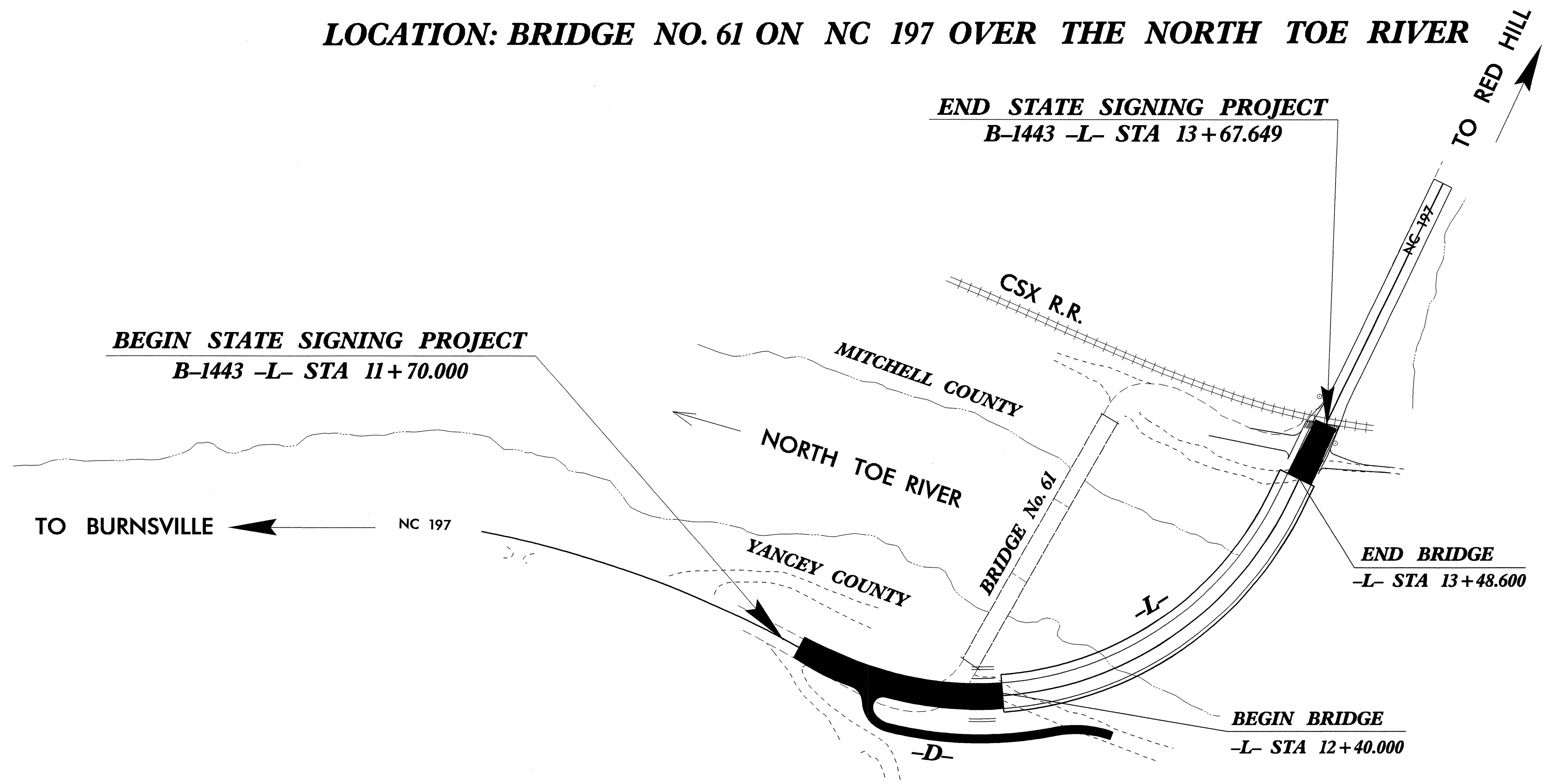
**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS
MITCHELLYANCEY COUNTY**

LOCATION: BRIDGE NO. 61 ON NC 197 OVER THE NORTH TOE RIVER

T.I.P.: B-1443

CONTACT: C201180



SUMMARY OF QUANTITIES

ITEM NO.	DESC. NO.	SECT. NO.	ITEM DESCRIPTION	QUANTITY	UNIT
4025000000	901		CONTRACTOR FURNISHED, TYPE D SIGN	2.03	S.M.
4025000000	901		CONTRACTOR FURNISHED, TYPE E SIGN	0.58	S.M.
4072000000	903		SUPPORTS, 4.5-KG STEEL U-CHANNEL	18	L.M.
4096000000	904		SIGN ERECTION, TYPE D	4	EA.
4102000000	904		SIGN ERECTION, TYPE E	1	EA.
4155000000	907		DISPOSAL OF SIGN SYSTEM, U-CHANNEL	11	EA.

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2&3	SIGN DESIGNS
4	E SHEET
5	EXISTING/PROPOSED ROADWAY

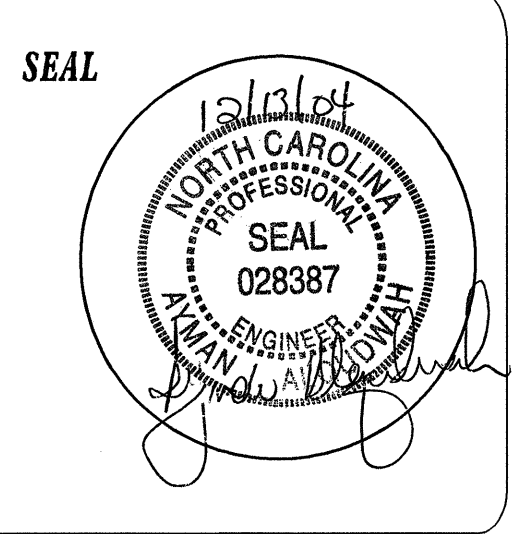
PLAN PREPARED BY: N.C.D.O.T. SIGNING SECTION

RON KING, P.E. SIGNING ENGINEER

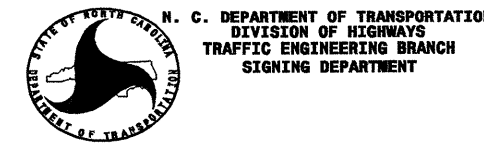
A. I. ALQUDWAH, P.E. SIGNING PROJECT ENGINEER

D. M. EATON SIGNING PROJECT DESIGN ENGINEER

R. R. HENNEIN SIGNING DESIGNER

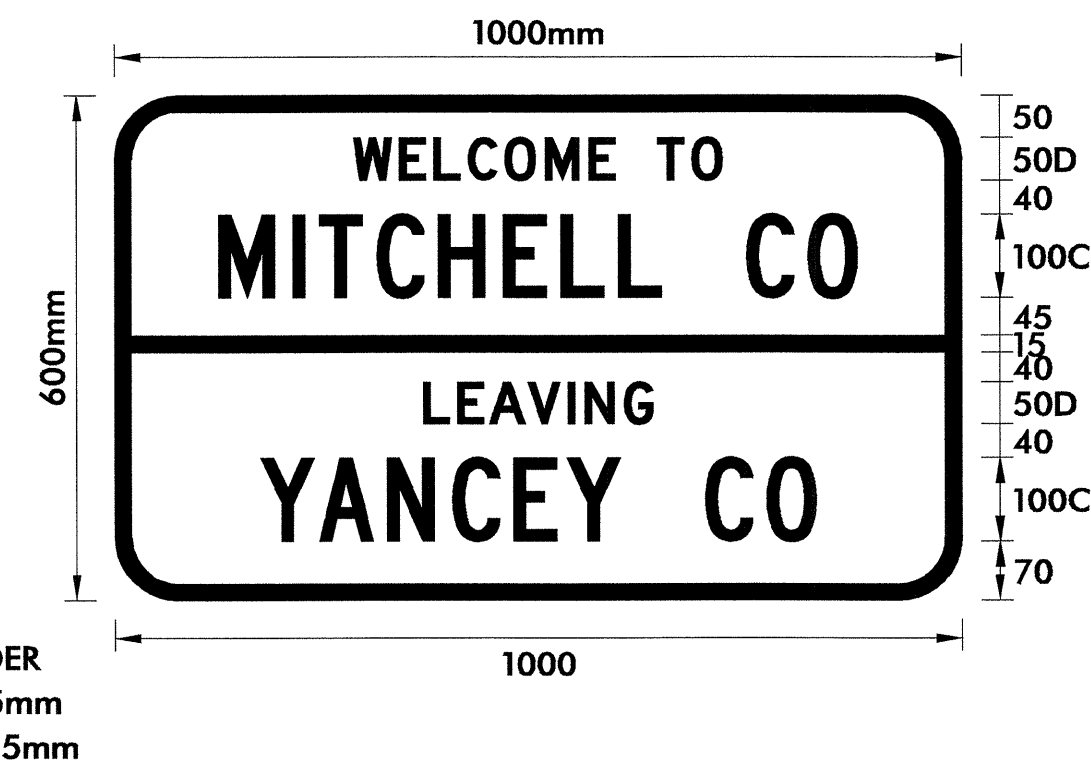


ROADWAY STANDARD DRAWINGS
APPLICABLE TO THESE SIGNING PLANS
904.10
904.50



SIGN NUMBER: 301
TYPE: D
QUANTITY: 1
SIGN WIDTH: 1000mm
HEIGHT: 600mm
TOTAL AREA: 0.6 Sq.m
BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 15mm
RADII: 75mm
NO. Z BARS:
LENGTH:
BACKG COLOR: Green
COPY COLOR: White
SYMBOL X Y WID HT
MAT'L: 0.080" (2.0 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: B-1443
CHECKED BY:
DIV: 13
STD #: 195
DATE: Nov 18, 2004



USE NOTES:
1. Legend and border shall be direct applied Type III reflective sheeting.
2. Background shall be Type III reflective sheeting.

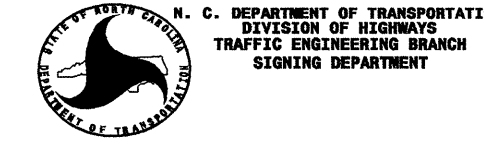
LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
W	E	L	C	O	M	E	T	O					D50
283	54	41	41	44	48	51	31	50	40	36	283		435
M	I	T	C	H	E	L	L	C	O				C100
123	88	31	68	73	77	68	68	51	100	72	58	123	754
L	E	A	V	I	N	G							D50
364	41	37	46	48	20	46	34	364					271
Y	A	N	C	E	Y	C	O						C100
172	69	81	77	73	63	64	100	72	58	172			656

Spacing Factor is 1 unless specified otherwise

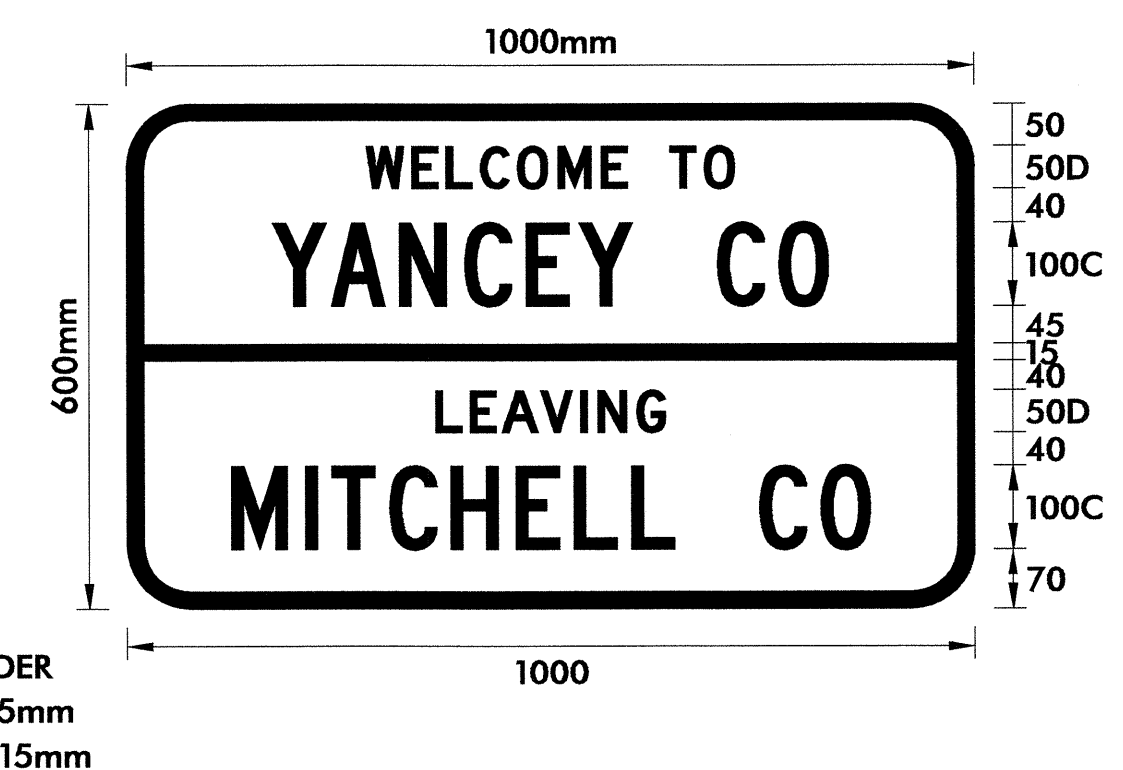
FILENAME: SIGNDESIG

NORTH CAROLINA D.O.T. SIGN DETAIL



SIGN NUMBER: 302
TYPE: D
QUANTITY: 1
SIGN WIDTH: 1000mm
HEIGHT: 600mm
TOTAL AREA: 0.6 Sq.m
BORDER TYPE: FLUSH
RECESS: 0mm
WIDTH: 15mm
RADII: 75mm
NO. Z BARS:
LENGTH:
BACKG COLOR: Green
COPY COLOR: White
SYMBOL X Y WID HT
MAT'L: 0.080" (2.0 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: B-1443
CHECKED BY:
DIV: 13
STD #: 195
DATE: Nov 18, 2004



USE NOTES:
1. Legend and border shall be direct applied Type III reflective sheeting.
2. Background shall be Type III reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
W	E	L	C	O	M	E	T	O					D50
283	54	41	41	44	48	51	31	50	40	36	283		435
Y	A	N	C	E	Y	C	O						C100
172	69	81	77	73	63	64	100	72	58	172			656
L	E	A	V	I	N	G							D50
364	41	37	46	48	20	46	34	364					271
M	I	T	C	H	E	L	L	C	O				C100
123	88	31	68	73	77	68	68	51	100	72	58	123	754

Spacing Factor is 1 unless specified otherwise

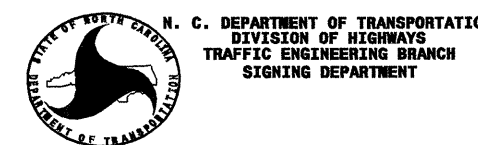
FILENAME: SIGNDESIG

NORTH CAROLINA D.O.T. SIGN DETAIL

SEAL



SIGN DESIGNS



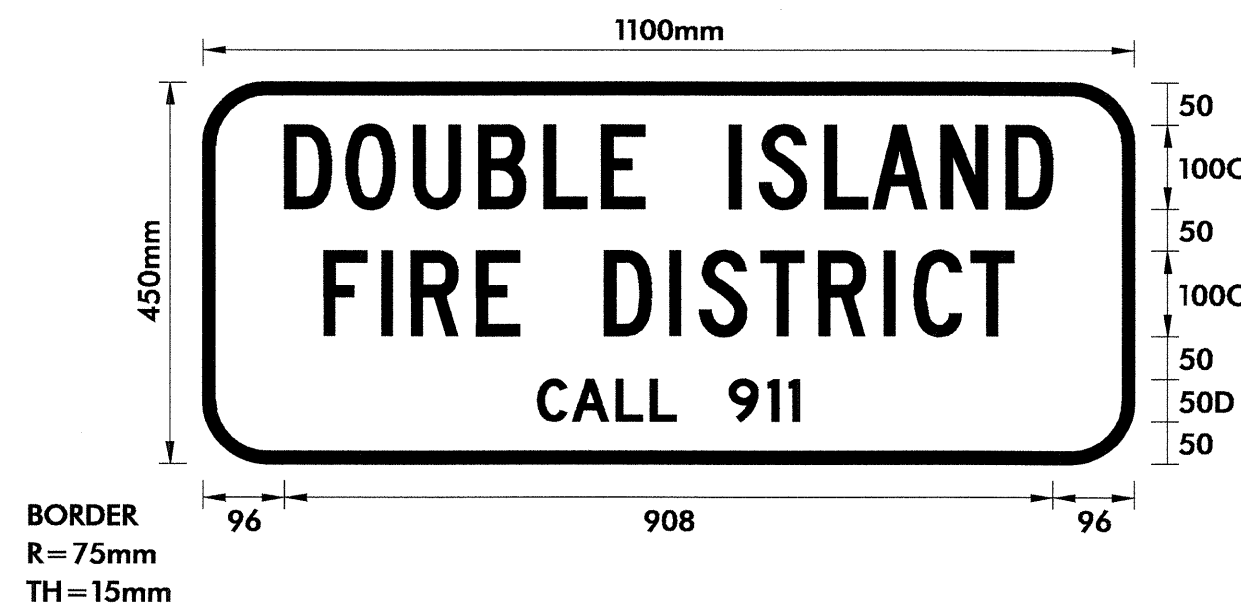
SIGN NUMBER: 303 BACKG COLOR: Green DESIGN BY: R. HENNEIN CHECKED BY: STD #: N/A
 TYPE: D COPY COLOR: White PROJECT ID: B-1443 DIV: 13 DATE: Nov 22, 2004
 QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 1100mm
 HEIGHT: 450mm
 TOTAL AREA: 0.5 Sq.m
 BORDER TYPE: FLUSH
 RECESS: 0mm
 WIDTH: 15mm
 RADII: 75mm

NO. Z BARS: MAT'L: 0.080" (2.0 mm) ALUMINUM
 LENGTH:

- USE NOTES:
 1. Legend and border shall be direct applied Type III reflective sheeting.
 2. Background shall be Type III reflective sheeting.

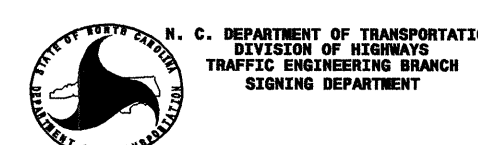


LETTER POSITIONS

Letter spacings are to start of next letter														Series/Size	
														Text Length	
D	O	U	B	L	E	I	S	L	A	N	D				C100
96	72	80	77	77	68	51	100	35	77	57	81	77	56	96	908
F	I	R	E	D	I	S	T	R	I	C	T				C100
143	68	36	77	51	100	77	35	73	68	77	36	67	51	143	815
C	A	L	L												D50
395	41	52	41	31	62	46	25	13	395						309

Spacing Factor is 1 unless specified otherwise
 FILENAME: SIGNDESIG

NORTH CAROLINA D.O.T. SIGN DETAIL



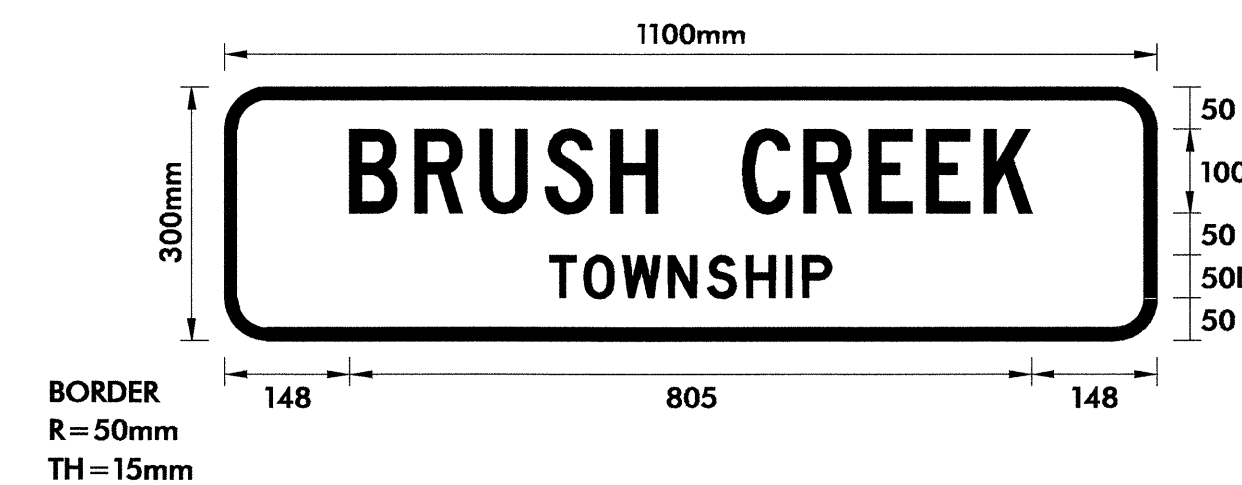
SIGN NUMBER: 304 BACKG COLOR: Green DESIGN BY: R. HENNEIN CHECKED BY: STD #: N/A
 TYPE: D COPY COLOR: White PROJECT ID: B-1443 DIV: 13 DATE: Nov 22, 2004
 QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 1100mm
 HEIGHT: 300mm
 TOTAL AREA: 0.3 Sq.m
 BORDER TYPE: FLUSH
 RECESS: 0mm
 WIDTH: 15mm
 RADII: 50mm

NO. Z BARS: MAT'L: 0.080" (2.0 mm) ALUMINUM
 LENGTH:

- USE NOTES:
 1. Legend and border shall be direct applied Type III reflective sheeting.
 2. Background shall be Type III reflective sheeting.



LETTER POSITIONS

Letter spacings are to start of next letter														Series/Size	
														Text Length	
B	R	U	S	H	C	R	E	E	K						C100
148	77	77	77	56	100	73	77	68	68	56	148				805
T	O	W	N	S	H	I	P								D50
384	40	45	54	46	46	46	20	34	384						333

Spacing Factor is 1 unless specified otherwise
 FILENAME: SIGNDESIG

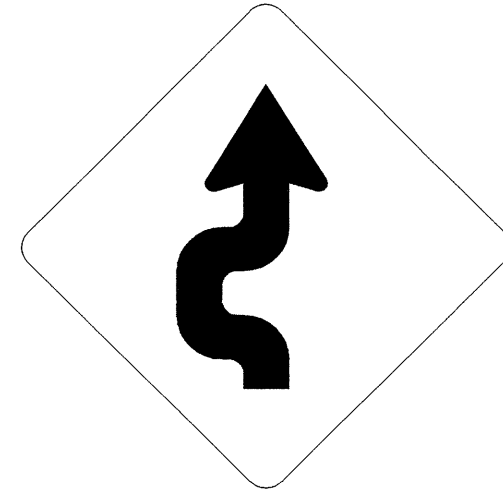
NORTH CAROLINA D.O.T. SIGN DETAIL

SEAL



SIGN DESIGNS

459 QUANTITY REQ'D 1



750 X 750
W20-21L

ONE "U" POST PER SIGN



TIP NO.
B-1443

SHEET NO.
SIGN-4

NOTE: THIS DRAWING IS DIMENSIONED
IN MILLIMETERS UNLESS OTHERWISE
DEPICTED WITHIN THE DRAWING.

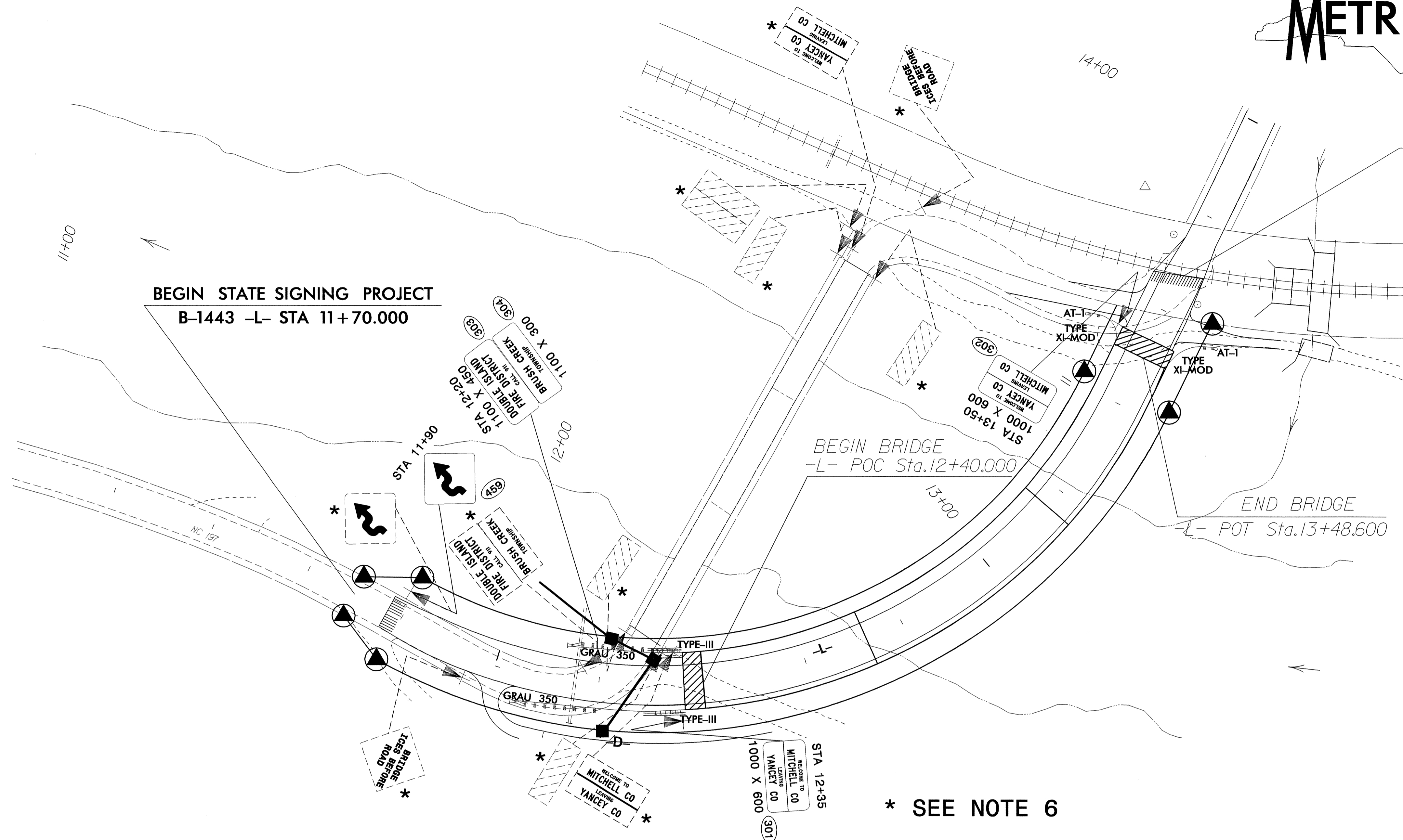
SEAL



TYPE "E" SIGNS



END STATE SIGNING PROJECT
B-1443 -L- STA 13+67.649



* SEE NOTE 6

WARNING SIGNS PLACEMENT CHART

POSTED OR 85TH PERCENTILE SPEED MPH (KMH)	MUTCD DISTANCE FT (M)	SUGGESTED LOCATION FT (M)	SUGGESTED MAXIMUM FT (M)
30 (50)	450 (140)	475 (145)	575 (175)
35 (55)	550 (170)	575 (175)	675 (205)
40 (65)	650 (200)	675 (205)	775 (235)
45 (70)	750 (230)	775 (235)	875 (270)
50 (80)	850 (260)	875 (270)	975 (300)
55 (90)	950 (290)	975 (300)	1075 (330)
60 (95)	1100 (335)	1125 (345)	1225 (375)
65 (105)	1200 (365)	1225 (375)	1325 (405)
70 (115)	1250 (380)	1275 (390)	1375 (420)

- SEE ROADWAY STANDARD NO. 904.50 FOR MOUNTING OF TYPE 'D', 'E', AND 'F' SIGNS ON 'U' CHANNEL POSTS.
- SEE CHART FOR PLACEMENT OF BRIDGE ICES BEFORE ROAD SIGNS. DISTANCES SHOWN IN MINIMUM ROAD COLUMNS ARE FOR LEVEL ROADWAYS. MAKE CORRECTIONS FOR GRADES. IF 48-INCH (1219 MM) SIGNS ARE USED, THE LEGIBILITY DISTANCE MAY BE INCREASED TO 200 FEET (61 M). THIS WOULD ALLOW REDUCING THE CHART SPECIFIED DISTANCE BY 75 FEET (23 M).
- USE 48x48 (1219x1219) BRIDGE ICES BEFORE ROAD SIGNS WHEN ROADWAY HAS TWO OR MORE LANES IN EACH DIRECTION. USE 36x36 (914x914) SIGNS WHEN ROADWAY HAS ONE LANE IN EACH DIRECTION.
- IF THE BRIDGE IS OVER A MAJOR STREAM OR RIVER, A SIGN FOR THE NAME OF THE STREAM OR RIVER SHOULD BE INSTALLED AT EACH APPROACH. THESE DESIGNS WILL BE COMPLETED BY THE SIGNING SECTION UPON REQUEST.
- SIGNS FURNISHED BY CONTRACTOR.
- DISPOSAL OF SIGN SYSTEM, U-CHANNEL.
- RELOCATE SIGN, TYPE D, E, OR F.
- DISPOSAL OF SUPPORT, U-CHANNEL.

SEAL



**EXISTING/PROPOSED SIGNS
NC 197
STA 11+00 TO STA 14+00**