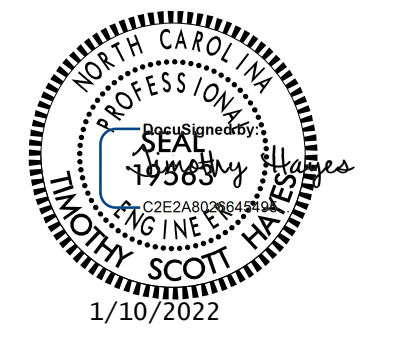


TIP NO. BR-0033	SHEET NO. SIGN-1
APPROVED: _____	
DATE: _____	
SEAL	
	

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
MCDOWELL COUNTY**

**LOCATION: BRIDGE NO. 580084 ON SR 1234 (OAKDALE RD).
OVER I-40**

TIP PROJECT: BR-0033

CONTRACT: C204672

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 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

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

GENERAL NOTES

- . SIGNS FURNISHED BY STATE
- . SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING. SEE TRAFFIC CONTROL PLANS.
- . 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.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

SUMMARY OF QUANTITIES

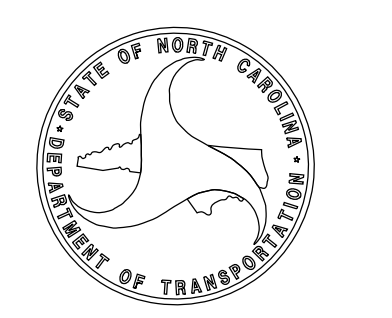
ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3-LB STEEL U-CHANNEL	248	LF
4096000000	904	SIGN ERECTION, TYPE D	4	EA.
4102000000	904	SIGN ERECTION, TYPE E	8	EA.
4108000000	904	SIGN ERECTION, TYPE F	7	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	17	EA.

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET AND NOTES
SIGN-2	SIGN TYPE E & F PANEL DETAILS
SIGN-3	SIGN DESIGNS
SIGN-4	EXISTING AND PROPOSED SIGNS

PLAN PREPARED FOR: NCDOT

KELVIN JORDAN SIGNING & DELINEATION REGIONAL ENGINEER

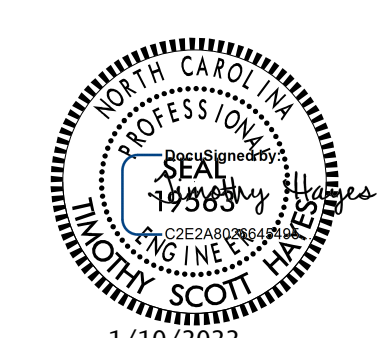


PLAN PREPARED BY: ATCS PLC

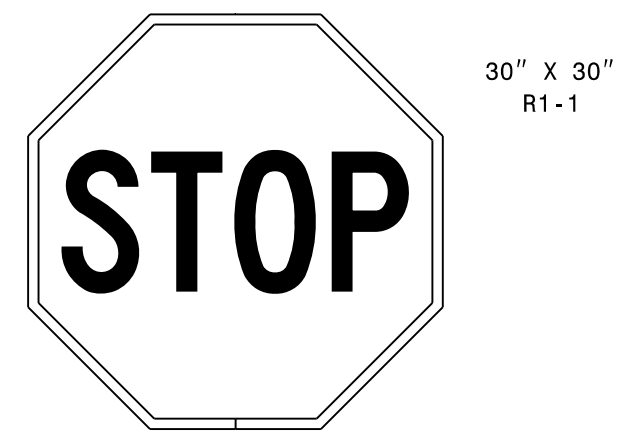
KIM KOIVUNIEMI, PE PROJECT ENGINEER
FELICIA BARHAM, EI PROJECT DESIGN ENGINEER

ATCS® 100 REGENCY FOREST DRIVE, SUITE 130
CARY, NORTH CAROLINA 27518
919-341-9418 <http://www.atcsplc.com/>
ENGINEERING | PLANNING | SURVEYING | ENVIRONMENTAL

01-DEC-2021 11:57
S:\Projects\090004_2017_NCDOT_SMU_OC\BR-0033\Project\Traffic\Signing\BR0033_SGN.Ldgm
Kkoivuniemi

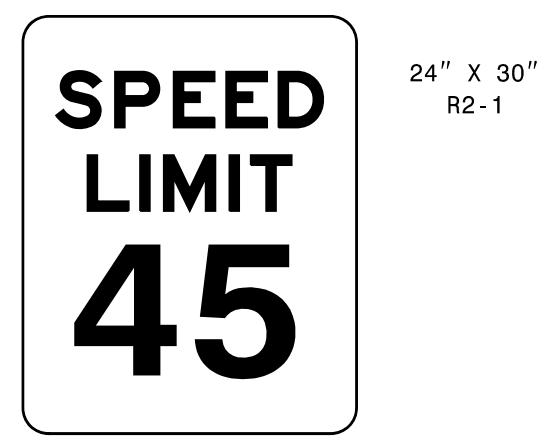
TIP NO.	SHEET NO.
BR-0033	SIGN-2
APPROVED: _____	
DATE: _____	
SEAL	
	

401 QUANTITY REQ'D 3



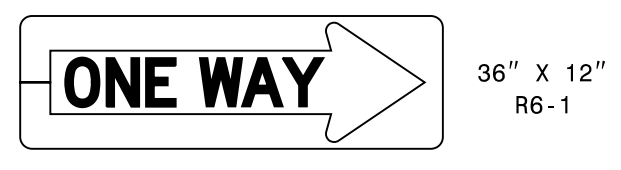
ONE "U" POST PER SIGN

402 QUANTITY REQ'D 1



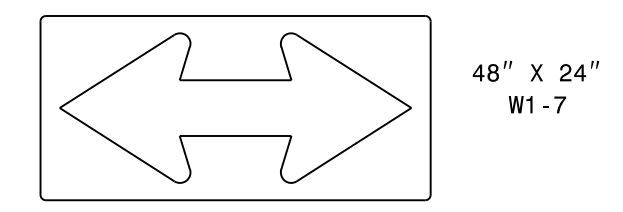
ONE "U" POST PER SIGN

403 QUANTITY REQ'D 1



ONE "U" POST PER SIGN

404 QUANTITY REQ'D 1



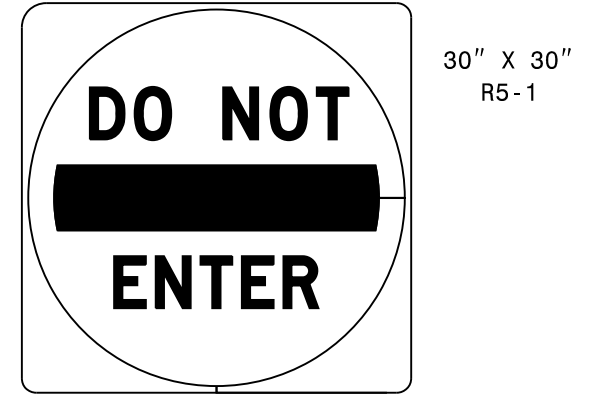
ONE "U" POST PER SIGN

405 QUANTITY REQ'D 2



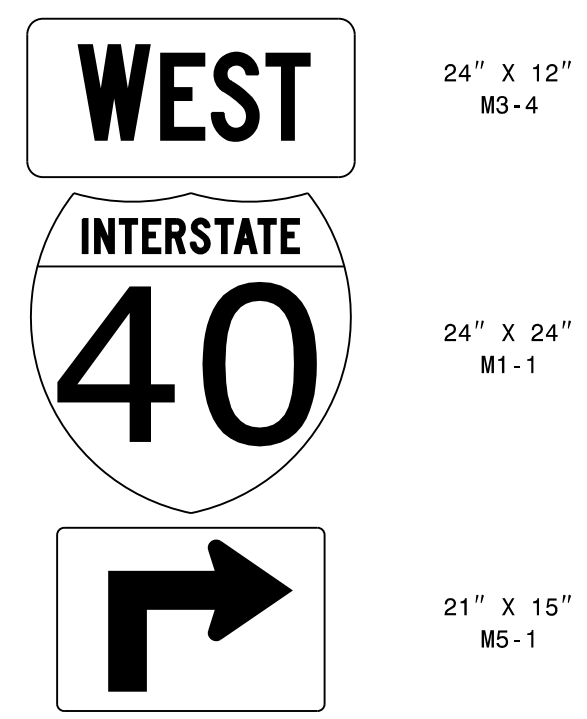
ONE "U" POST PER SIGN

406 QUANTITY REQ'D 1



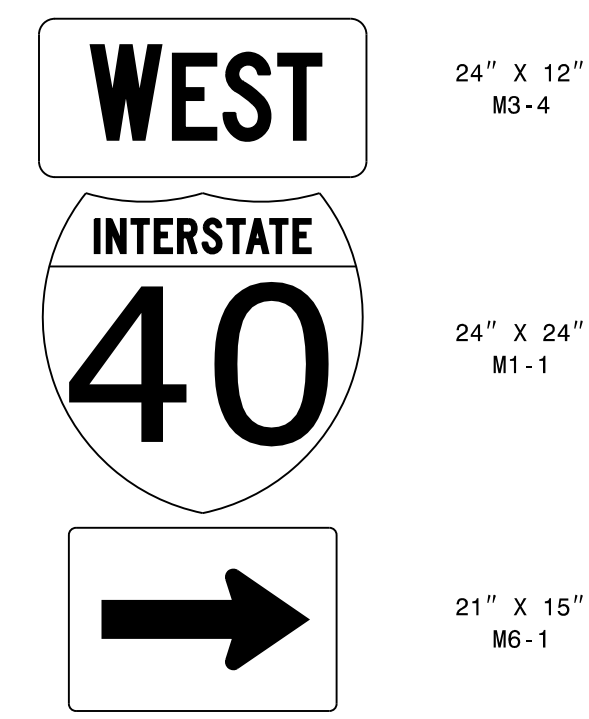
MOUNT BEHIND SIGN 401 IN ONE INSTALLATION

501 QUANTITY REQ'D 1



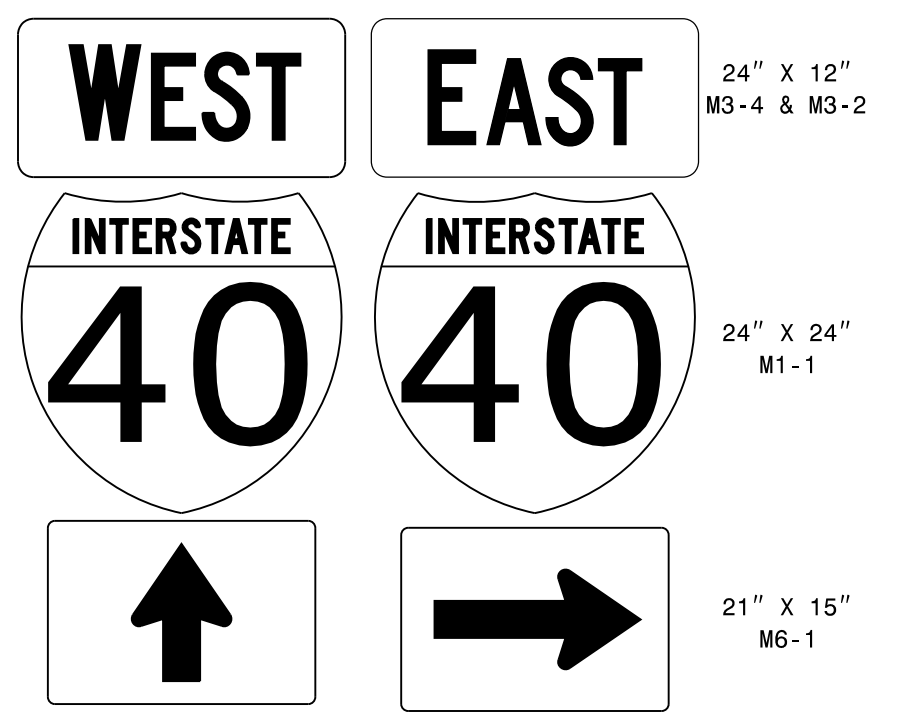
ONE "U" POST PER SIGN

502 QUANTITY REQ'D 1



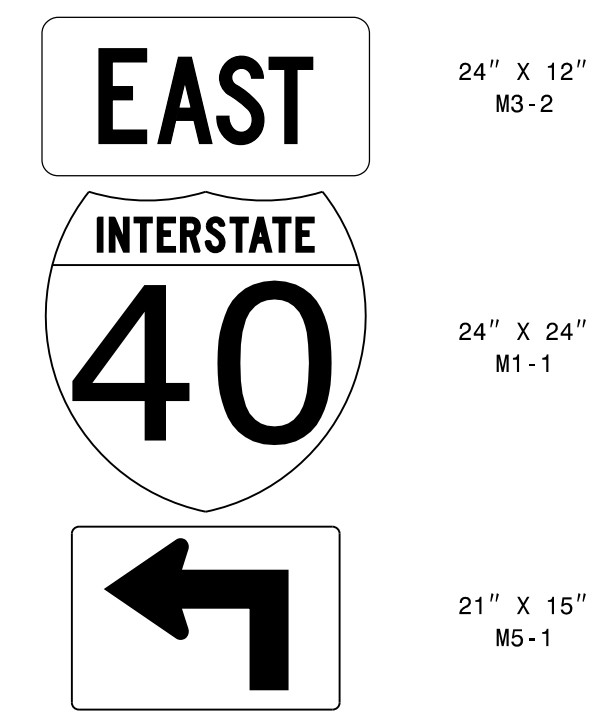
MOUNT BELOW SIGN 302 IN ONE INSTALLATION

503 QUANTITY REQ'D 1



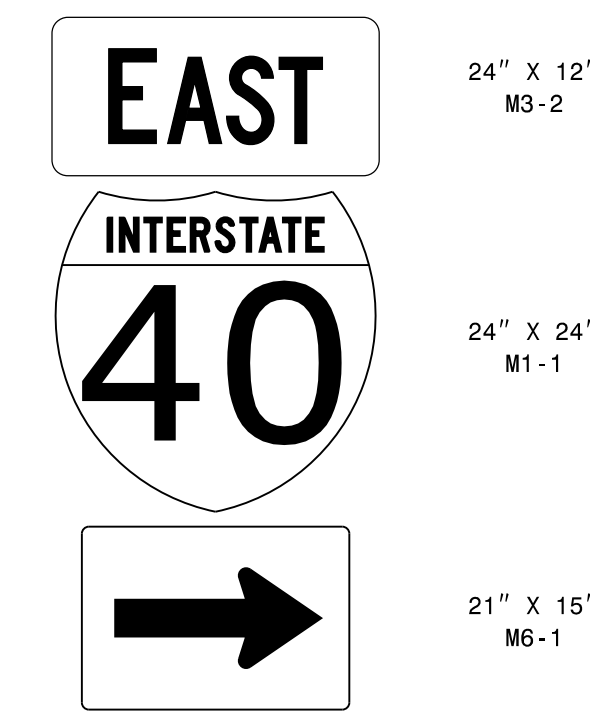
TWO "U" POST PER SIGN

504 QUANTITY REQ'D 1



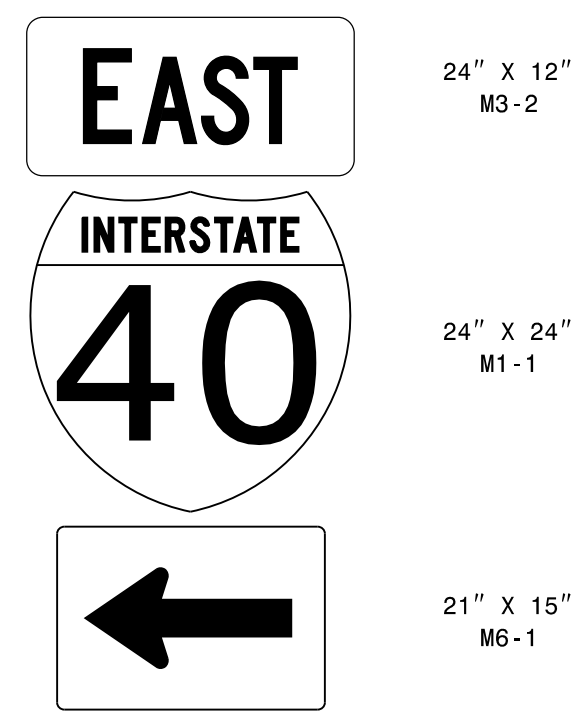
ONE "U" POST PER SIGN

505 QUANTITY REQ'D 1



MOUNT BELOW SIGN 301 IN ONE INSTALLATION

506 QUANTITY REQ'D 2



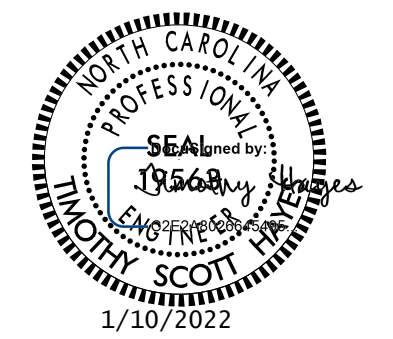
MOUNT BELOW SIGN 303 IN ONE INSTALLATION

I:\NOV-2021\09\29_S:\Projects\000004-2017_NCDOT_SMUJ_OC\BR-0033\Project\Traffic\Signing\BR0033_SIGN_2.dgn

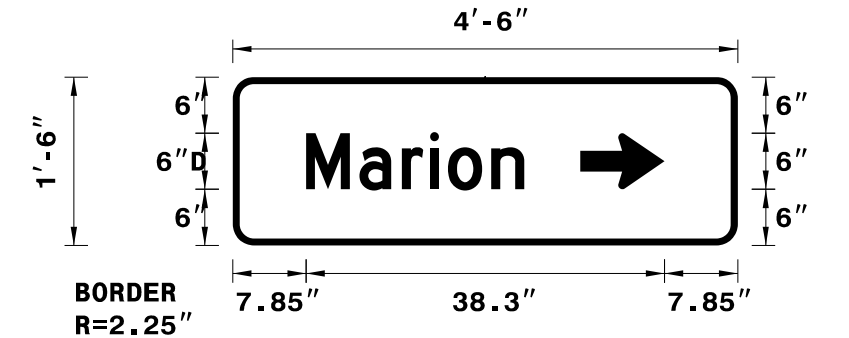
INDEX

SIGN E & F PANEL DETAILS

TIP NO. BR-0033	SHEET NO. SIGN-3
APPROVED: _____	
DATE: _____	
SEAL	



SIGN NUMBER: 301 TYPE: D QUANTITY: 1 SIGN WIDTH: 4'-6" HEIGHT: 1'-6" TOTAL AREA: 6.75 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 2.25" NO. Z BARS: _____ LENGTH: _____	BACKG COLOR: 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>37.2</td> <td>6</td> <td>6</td> <td>9</td> </tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	AR_TYPE D	37.2	6	6	9	DESIGN BY: NJK PROJECT ID: BR-0033 CHECKED BY: _____ LOCATION: _____ Nov 01, 2021 DIV: 13
SYMBOL	X	Y	WID	HT								
AR_TYPE D	37.2	6	6	9								



BORDER R=2.25" TH=0.75"

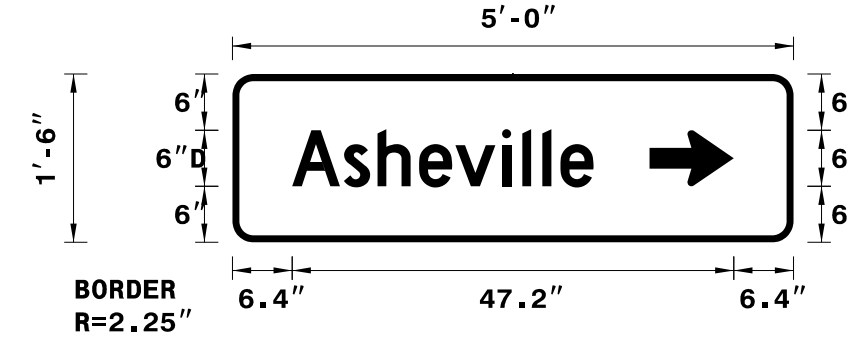
Panel Style: Destination NCDOT.ssi
M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS												Series/Size
Letter spacings are to start of next letter												Text Length
	M	a	r	i	o	n						D 2000
	7.9	5.7	4.6	3	1.9	4.6	3.5	22.9				23.3

FILENAME: sf11e NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302 TYPE: D QUANTITY: 1 SIGN WIDTH: 5'-0" HEIGHT: 1'-6" TOTAL AREA: 7.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 2.25" NO. Z BARS: _____ LENGTH: _____	BACKG COLOR: 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>44.6</td> <td>6</td> <td>6</td> <td>9</td> </tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	AR_TYPE D	44.6	6	6	9	DESIGN BY: NJK PROJECT ID: BR-0033 CHECKED BY: _____ LOCATION: _____ Nov 01, 2021 DIV: 13
SYMBOL	X	Y	WID	HT								
AR_TYPE D	44.6	6	6	9								



BORDER R=2.25" TH=0.75"

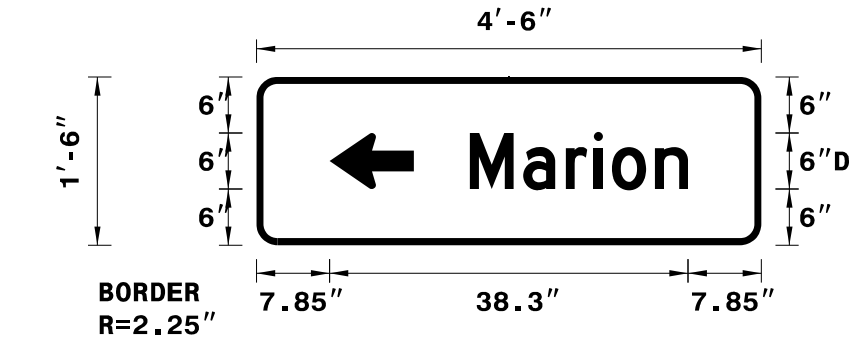
Panel Style: Destination NCDOT.ssi
M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS												Series/Size
Letter spacings are to start of next letter												Text Length
	A	s	h	e	v	i	l	e				D 2000
	6.4	5.5	3.6	4.5	3.9	4.9	2.2	2.2	1.9	3.5	21.4	32.2

FILENAME: sf11e NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 303 TYPE: D QUANTITY: 1 SIGN WIDTH: 4'-6" HEIGHT: 1'-6" TOTAL AREA: 6.75 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 2.25" NO. Z BARS: _____ LENGTH: _____	BACKG COLOR: 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>7.8</td> <td>6</td> <td>6</td> <td>9</td> </tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	AR_TYPE D	7.8	6	6	9	DESIGN BY: NJK PROJECT ID: BR-0033 CHECKED BY: _____ LOCATION: _____ Nov 01, 2021 DIV: 13
SYMBOL	X	Y	WID	HT								
AR_TYPE D	7.8	6	6	9								



BORDER R=2.25" TH=0.75"

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS												Series/Size
Letter spacings are to start of next letter												Text Length
	M	a	r	i	o	n						D 2000
	22.9	5.7	4.6	3	1.9	4.6	3.5	7.9				23.3

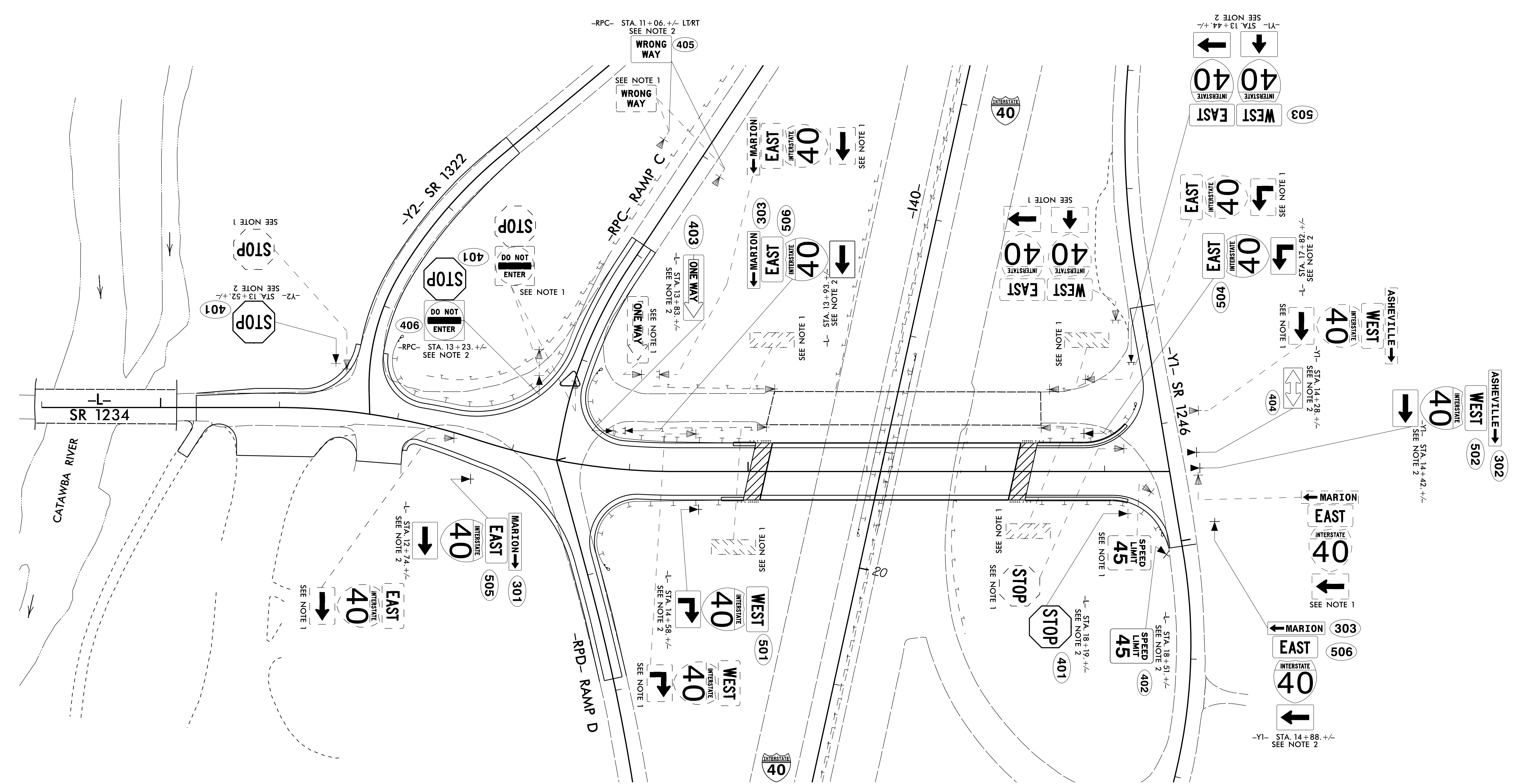
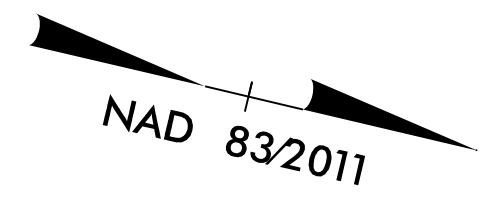
FILENAME: sf11e NORTH CAROLINA D.O.T. SIGN DETAIL

IO-NOV-2021 09:37
 S:\Projects\005004-2017-NCDDOT-SMU-OC-BR-0033\Project\Traffic\Signing\BR0033-SGN-3.dgn
 Barnham

INDEX

SIGN DESIGNS

TIP NO. BR-0033	SHEET NO. SIGN-4
APPROVED: _____	
DATE: _____	
SEAL	
1/10/2022	



PROJECT NOTES

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 SIGN ERECTION, TYPE D, E, F

INDEX

EXISTING & PROPOSED SIGNS

10-NOV-2021 09:38
 S:\Projects\000004_2017_NCDOT_SMU_DC\BR-0033\Project\Traffic\Signing\BR0033_SGN_4.dgn
 F:\ham