

09/08/20

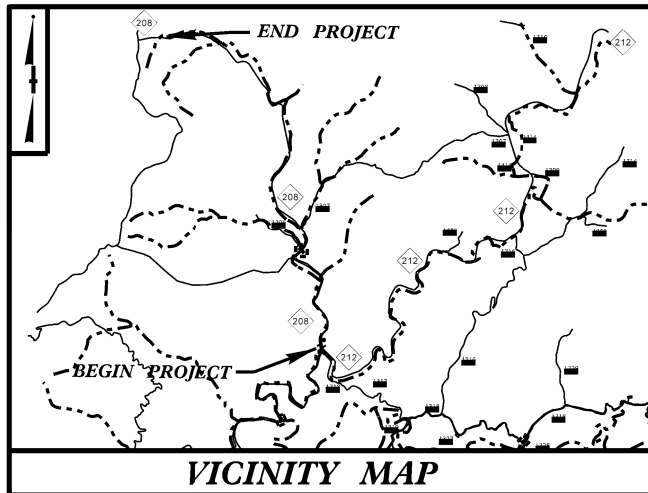
**TIP PROJECT: 49339**

**CONTRACT: DM00329**

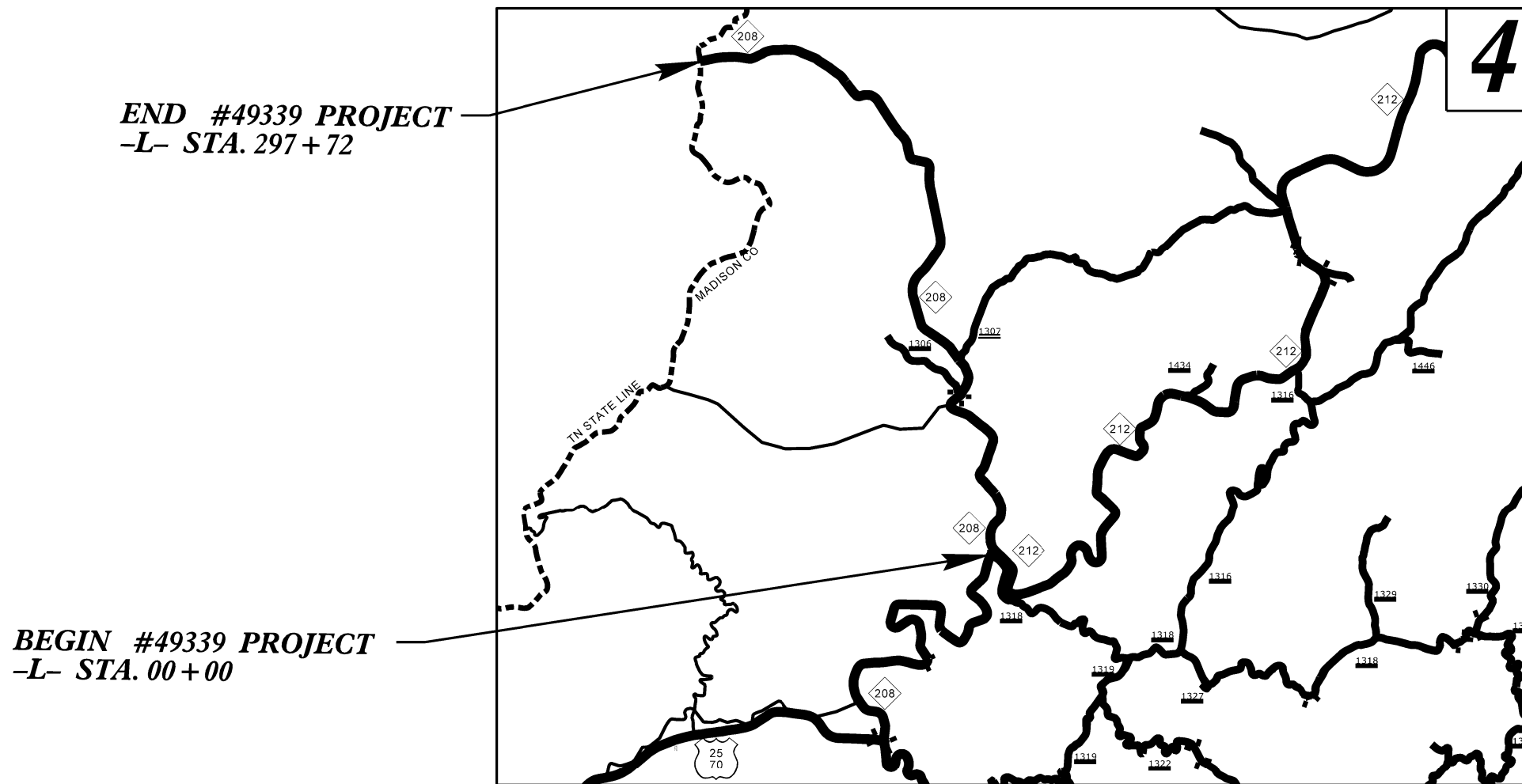
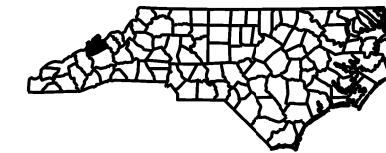
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**MADISON COUNTY**

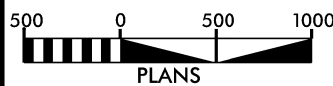
LOCATION: NC-208 FROM NC-212 TO TENNESSEE STATE LINE  
TYPE OF WORK: DRAINAGE, WIDENING, PAVING, AND GUARDRAIL



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	49339	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
49339		CONSTRUCTION	



GRAPHIC SCALES



PROJECT LENGTH

LENGTH OF ROADWAY PROJECT #49339 = 5.60 MILES

Prepared in the Office of  
**DIVISION OF HIGHWAYS**

55 Orange St., Asheville NC, 28801

2018 STANDARD SPECIFICATIONS

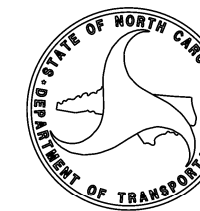
RIGHT OF WAY DATE:

PROJECT ENGINEER

LETTING DATE:

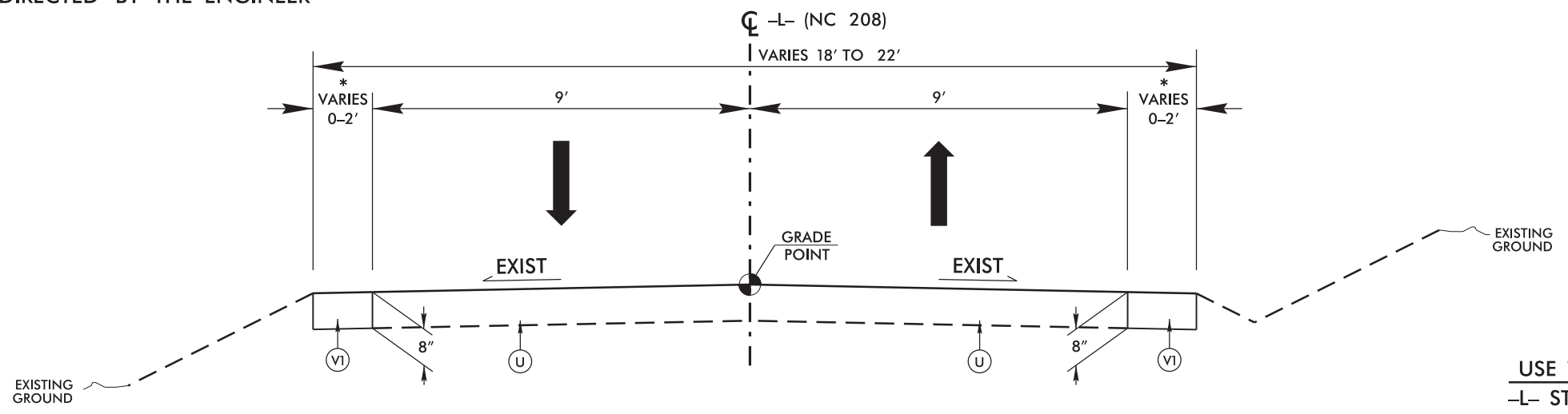
JANUARY 19, 2022

PROJECT DESIGN ENGINEER



PROJECT REFERENCE NO. <b>49339</b>	SHEET NO. <b>2</b>
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

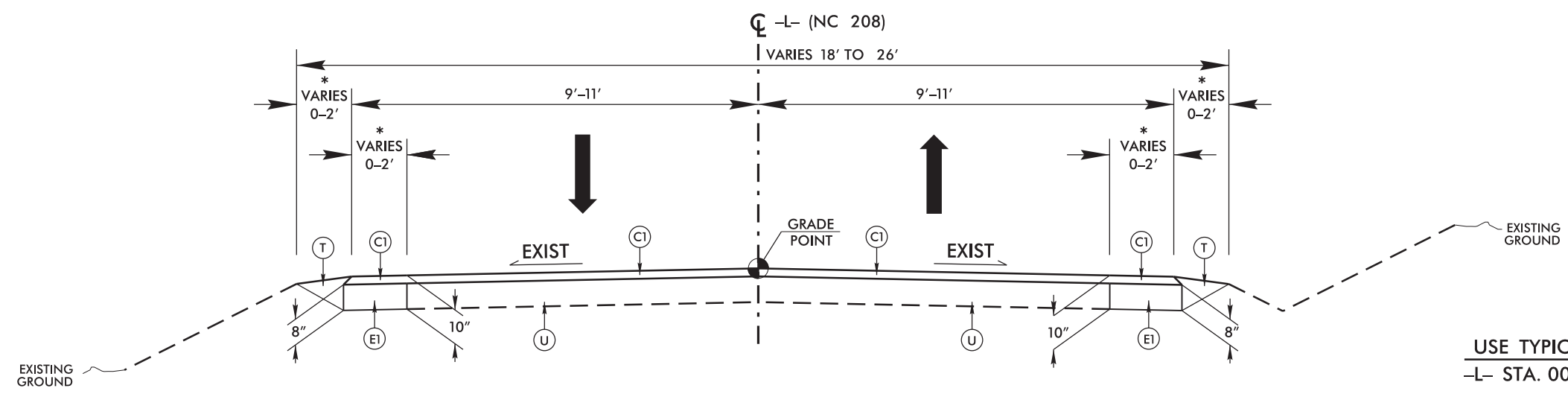
\* IF APPLICABLE OR AS DIRECTED BY THE ENGINEER



**TYPICAL SECTION NO. 1**

USE TYPICAL SECTION NO. 1  
-L- STA. 00+00 TO 297+72

\* IF APPLICABLE OR AS DIRECTED BY THE ENGINEER



**TYPICAL SECTION NO. 2**

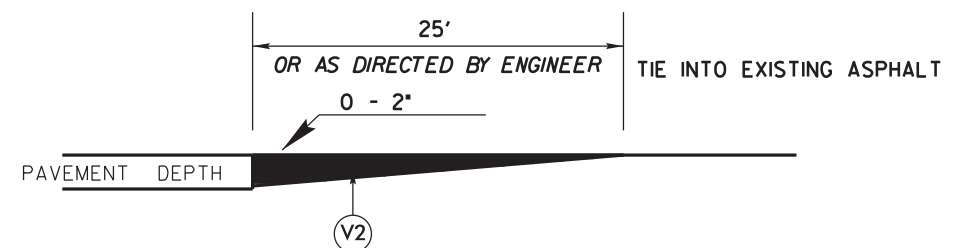
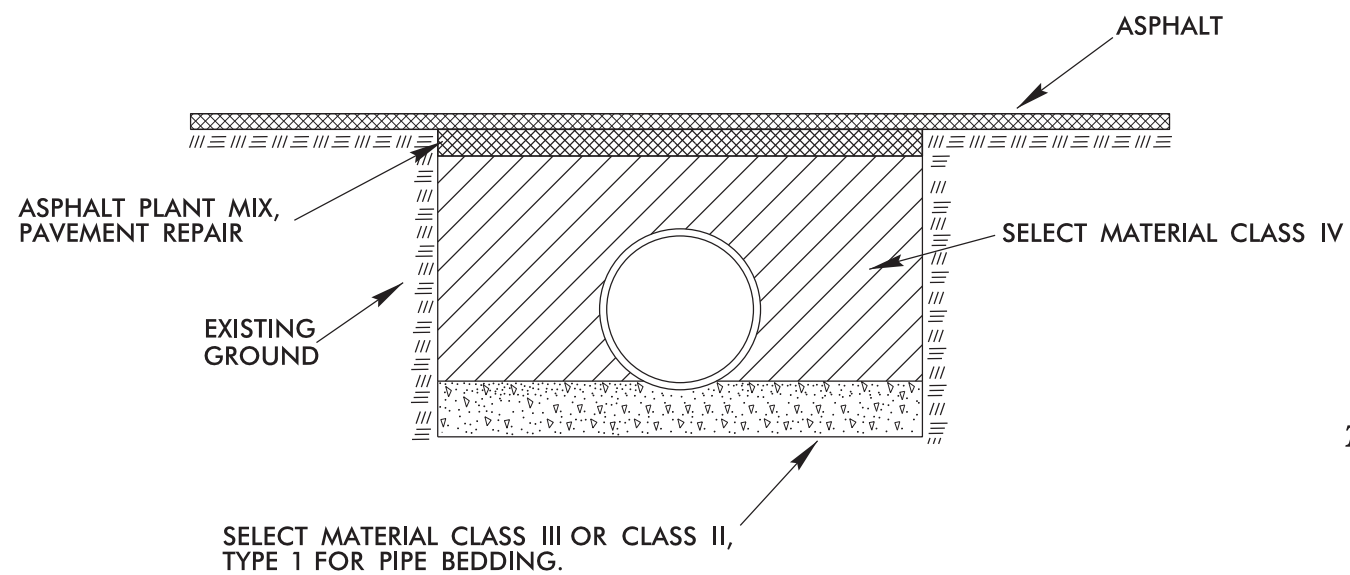
USE TYPICAL SECTION NO. 2  
-L- STA. 00+00 TO 297+72

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YARD
E1	PROP. APPROX. 8" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
V1	MILLING ASPHALT PAVEMENT, 8" DEPTH
V2	INCIDENTAL MILLING
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT

6/2/99  
27-SEP-2021 14:12  
S:\DDC\Projects\Modison\NC 208 Phase 2\Roadway\Proj\ddc\_Rdy\_tjpd.dgn

PROJECT REFERENCE NO.	SHEET NO.
49339	2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

### PIPE BACKFILL DETAIL



### DETAIL TO TIE INTO EXIST PAVEMENT

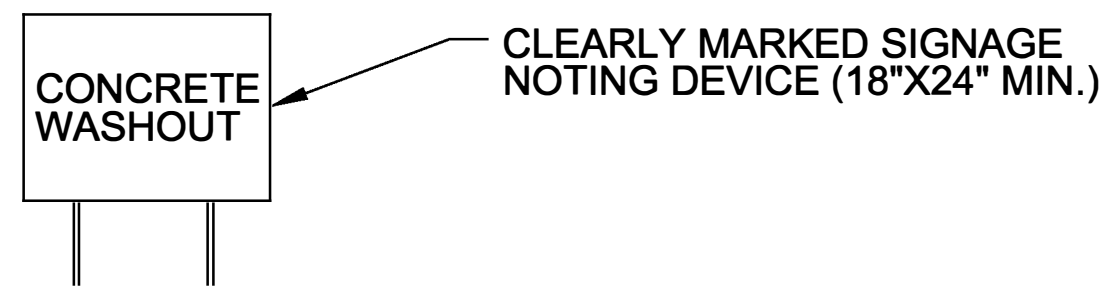
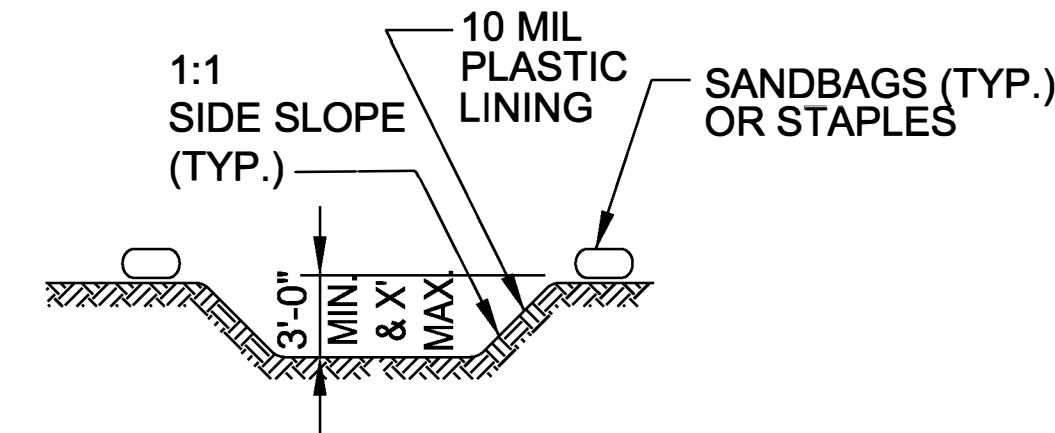
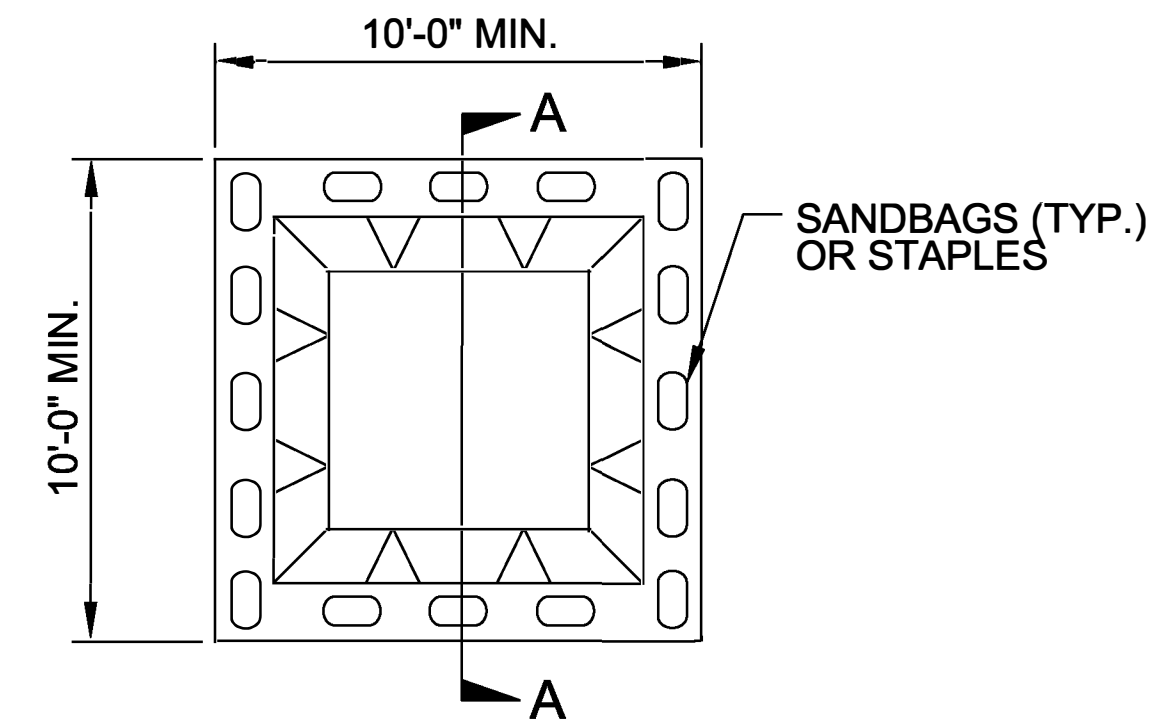
**THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT HE WILL BE REQUIRED TO MILL THE EXISTING ASPHALT PAVEMENT TO ENSURE A PROPER TIE-IN WITH THE EXISTING SURFACE AT THE BEGINNING, END AND Y LINES OF EACH MAP TO BE RESURFACED WITH ASPHALT CONC SURFACE COURSE, TYPE S9.5C THIS WILL BE PAID FOR AS INCIDENTAL MILLING.**

PAVEMENT SCHEDULE	
V2	INCIDENTAL MILLING

12-061-202109:27  
 S:\000\Projects\Medison\NC 208 Phase 2\Roadway\Proj\NC 208 Details.dgn  
 8/17/99

PROJECT REFERENCE NO.	SHEET NO.
49339	2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

## ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



### SECTION A-A

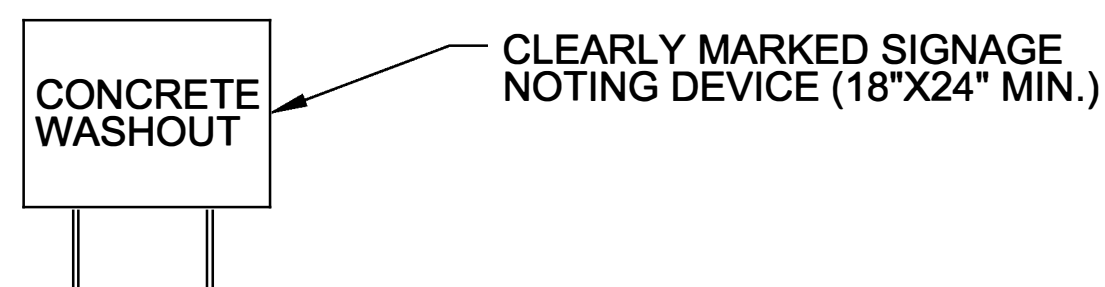
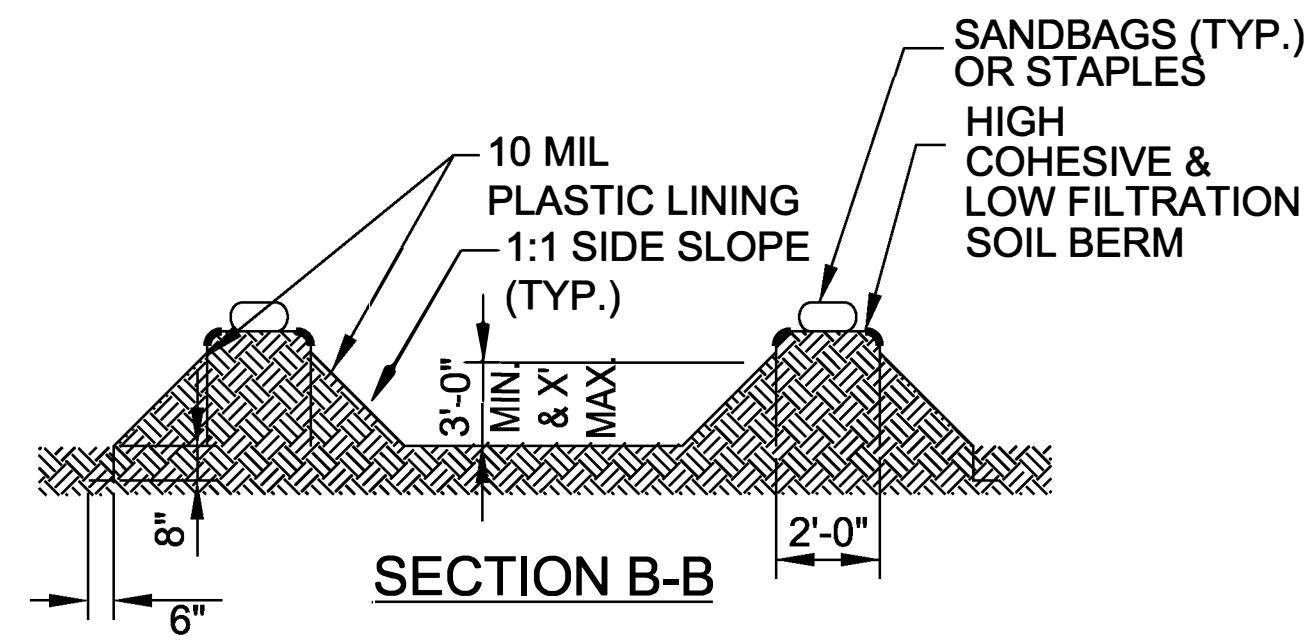
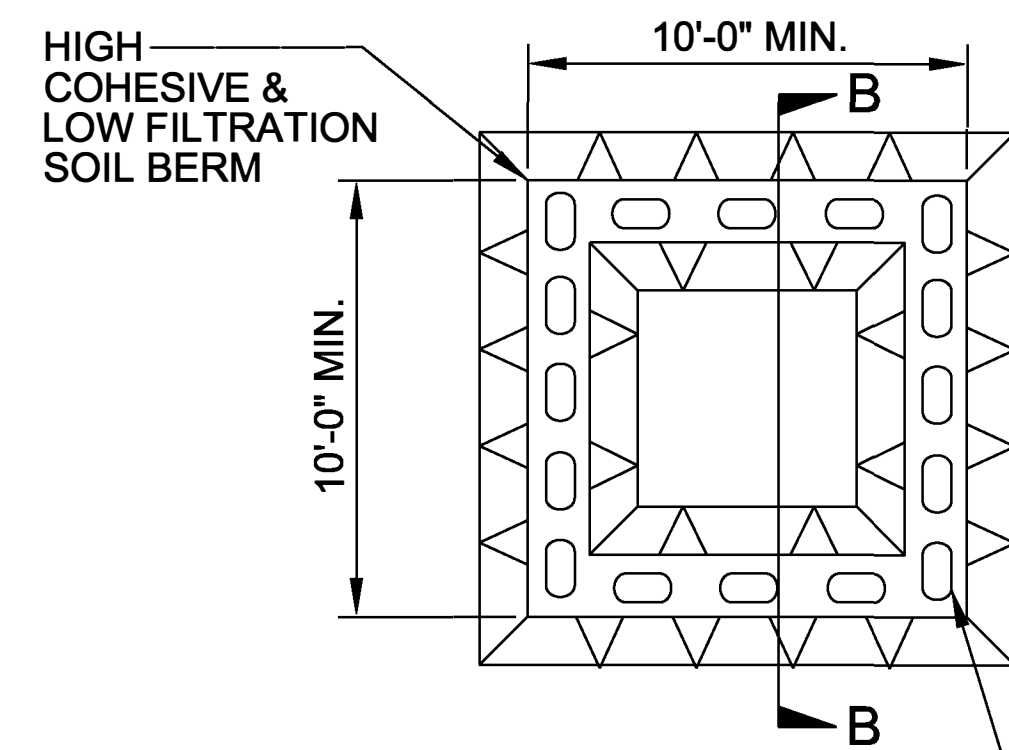
**NOTES:**

1. ACTUAL LOCATION DETERMINED IN FIELD
2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY.
3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

PLAN

## BELOW GRADE WASHOUT STRUCTURE

NOT TO SCALE



**NOTES:**

1. ACTUAL LOCATION DETERMINED IN FIELD
2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

PLAN

## ABOVE GRADE WASHOUT STRUCTURE

NOT TO SCALE





PROJECT REFERENCE NO. <b>49339</b>	SHEET NO. <b>4</b>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**END PROJECT 49339**  
**-L- STA. 297 + 72.00**

TENNESSEE STATE LINE  
MADISON COUNTY LINE

MAP  
1

**BEGIN PROJECT 49339**  
**-L- STA. 00 + 00.00**

BRIDGE 33

BRIDGE 276

208

208

208

1306

208

1307

208

1318

212

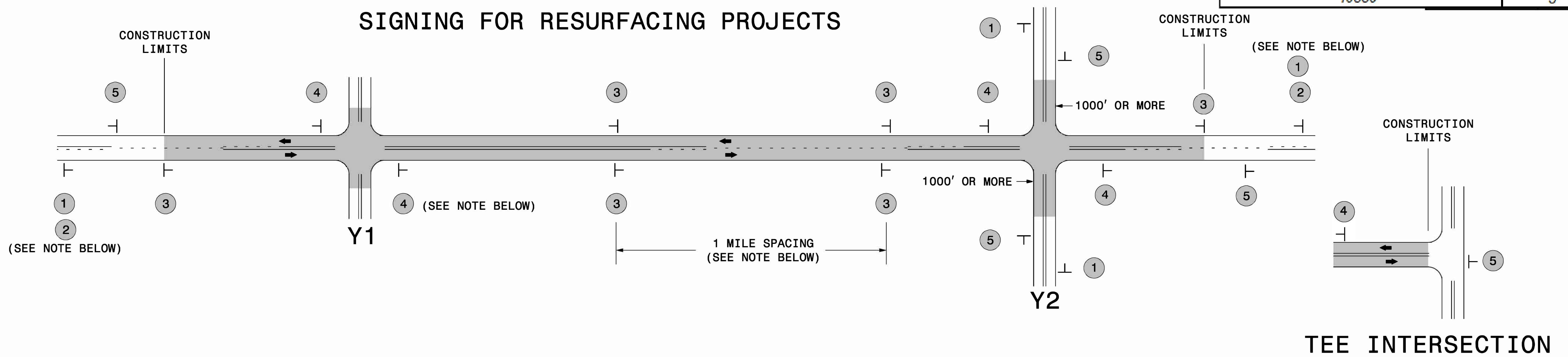
1317



REVISIONS

8/17/99  
 02\_AUG\_2021\_08:44  
 C:\Users\p...Madison\NC 208 Phase 2\Road\Proj\Addc\_Rdy\_esh01.Dgn

# SIGNING FOR RESURFACING PROJECTS



LEGEND	
T	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

## MAINLINE (-L-) SIGNING

## -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1	2	3	4	5	
			<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<p>- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.</p> <p>- AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</p>	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p>	<p></p> <p></p> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>

**RESURFACING  
ADVANCE WARNING SIGNS  
FOR  
RURAL AND SUBURBAN  
2 LANE ROADWAYS**



SIGN NUMBER: 11299

BACKG COLOR: Fluorescent Orange

DESIGN BY: WJ

CHECKED BY:

DATE: Jun 22, 2011

TYPE: B

COPY COLOR: Black

PROJECT ID: ALL

DIV: ALL

QUANTITY: SEE PLANS

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 5'-6"

HEIGHT: 5'-6"

# SP 11299

PROJECT REFERENCE NO.

SHEET NO.

49339

6

TOTAL AREA: 30.5 Sq.Ft.

BORDER TYPE: INSET

RECESS: 0.59"

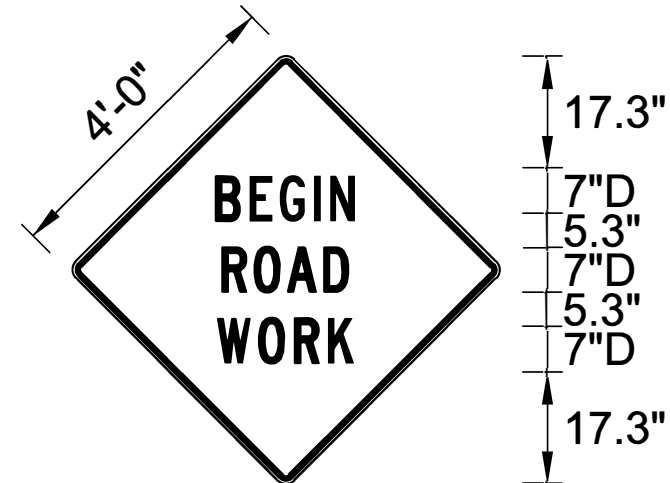
WIDTH: 0.75"

RADII: 1.38"

NO. Z BARS: N/A

LENGTH: N/A

MAT'L: 0.125" (3.2 mm) ALUMINUM



BORDER

R=1.38"

TH=0.75"

IN=0.59"

Spacing Factor is 1 unless specified otherwise

USE NOTES: 1,2

1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be Type VII, VIII, or IX (prismatic) fluorescent orange retroreflective sheeting.

### LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size  
Text Length

Letter spacings are to start of next letter																	Series/Size Text Length	
		B	E	G	I	N												D 2000 25.2
	20.5	6	5.4	6.3	2.8	4.8	20.5											
		R	O	A	D													D 2000 23.5
	21.4	5.8	5.9	7	4.8	21.4												
		W	O	R	K													D 2000 24.5
	20.9	7.1	6.5	5.9	4.9	20.9												

SIGN NUMBER: SP13106  
 TYPE: STATIONARY  
 QUANTITY: SEE PLANS

BACKG COLOR: Fluorescent Orange  
 COPY COLOR: Black

DESIGN BY: B. RASHID  
 PROJECT ID:

CHECKED BY: AIA  
 DIV:

DATE: Apr 26, 2013

SIGN WIDTH: 4'-0"  
 HEIGHT: 4'-0"  
 TOTAL AREA: 16.00 Sq.Ft.

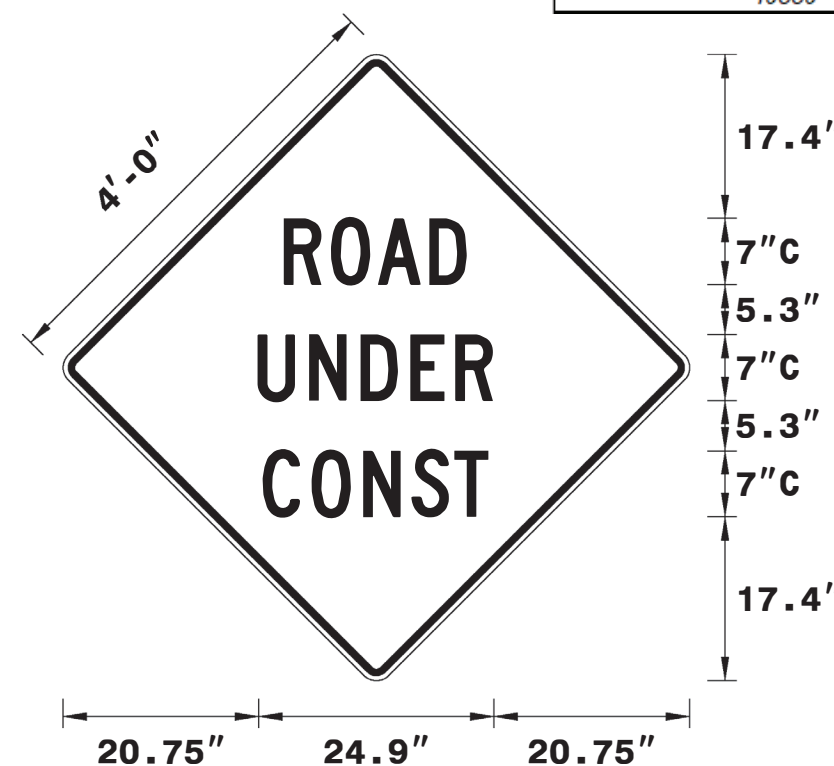
BORDER TYPE: INSET  
 RECESS: 0.75"  
 WIDTH: 1.25"  
 RADII: 3"

NO. Z BARS:  
 LENGTH:

SYMBOL	X	Y	WID	HT

MAT'L: 0.080" (2.0 mm) ALUMINUM

PROJECT REFERENCE NO.	SHEET NO.
49339	7



Spacing Factor is 1 unless specified otherwise

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluoesent orange retroreflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size Text Length
	R	O	A	D									C 2000
23.5	5	5	5.5	3.9	23.5								19.3
	U	N	D	E	R								C 2000
20.7	5.5	5.5	5.3	4.8	3.9	20.7							24.9
	C	O	N	S	T								C 2000
21.2	5.2	5.5	5.1	4.6	3.6	21.2							23.9

SIGN NUMBER: SP13107  
 TYPE: STATIONARY  
 QUANTITY: SEE PLANS

BACKG COLOR: Fluorescent Orange  
 COPY COLOR: Black

DESIGN BY: B. RASHID  
 PROJECT ID:

CHECKED BY: AIA  
 DIV:

DATE: Apr 26, 2013

SIGN WIDTH: 4'-0"  
 HEIGHT: 4'-0"  
 TOTAL AREA: 16.00 Sq.Ft.

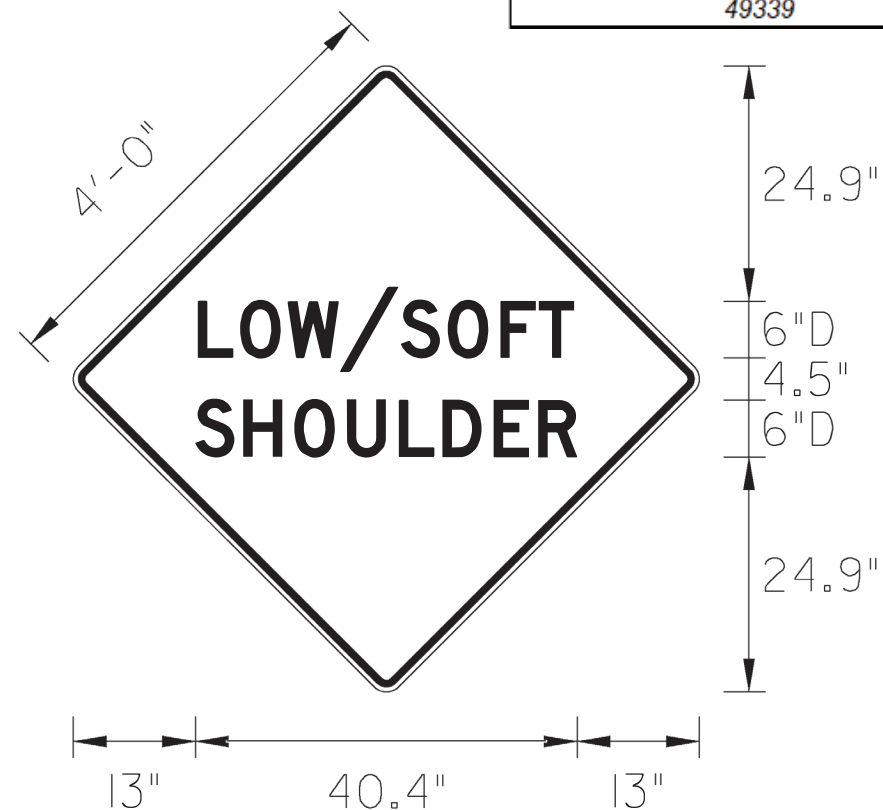
BORDER TYPE: INSET  
 RECESS: 0.75"  
 WIDTH: 1.25"  
 RADII: 3"

NO. Z BARS:  
 LENGTH:

SYMBOL	X	Y	WID	HT

MAT'L: 0.080" (2.0 mm) ALUMINUM

PROJECT REFERENCE NO.	SHEET NO.
49339	8



Spacing Factor is 1 unless specified otherwise

USE NOTES: 1,2

1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be NC GRADE B fluoesent orange retroreflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter											Series/Size Text Length	
	L	O	W	/	S	O	F	T				D 2000
13.2	4.5	5	5.5	6.5	5	5.6	4.1	3.7	13.2			39.9
	S	H	O	U	L	D	E	R				D 2000
13	5.1	5.4	5.6	5.5	4.6	5.4	4.7	4.1	13			40.4