

27-MAR-2009 14:52
d:\my documents\project manager\economic stimulus projects\r-5156-5157-nc93allegany\nc93-ddc-tsh_031209.dgn
jlaws AT DllCAD-230212

09/08/99

CONTRACT: C202444 **TIP PROJECT: R-5156 & R-5157**

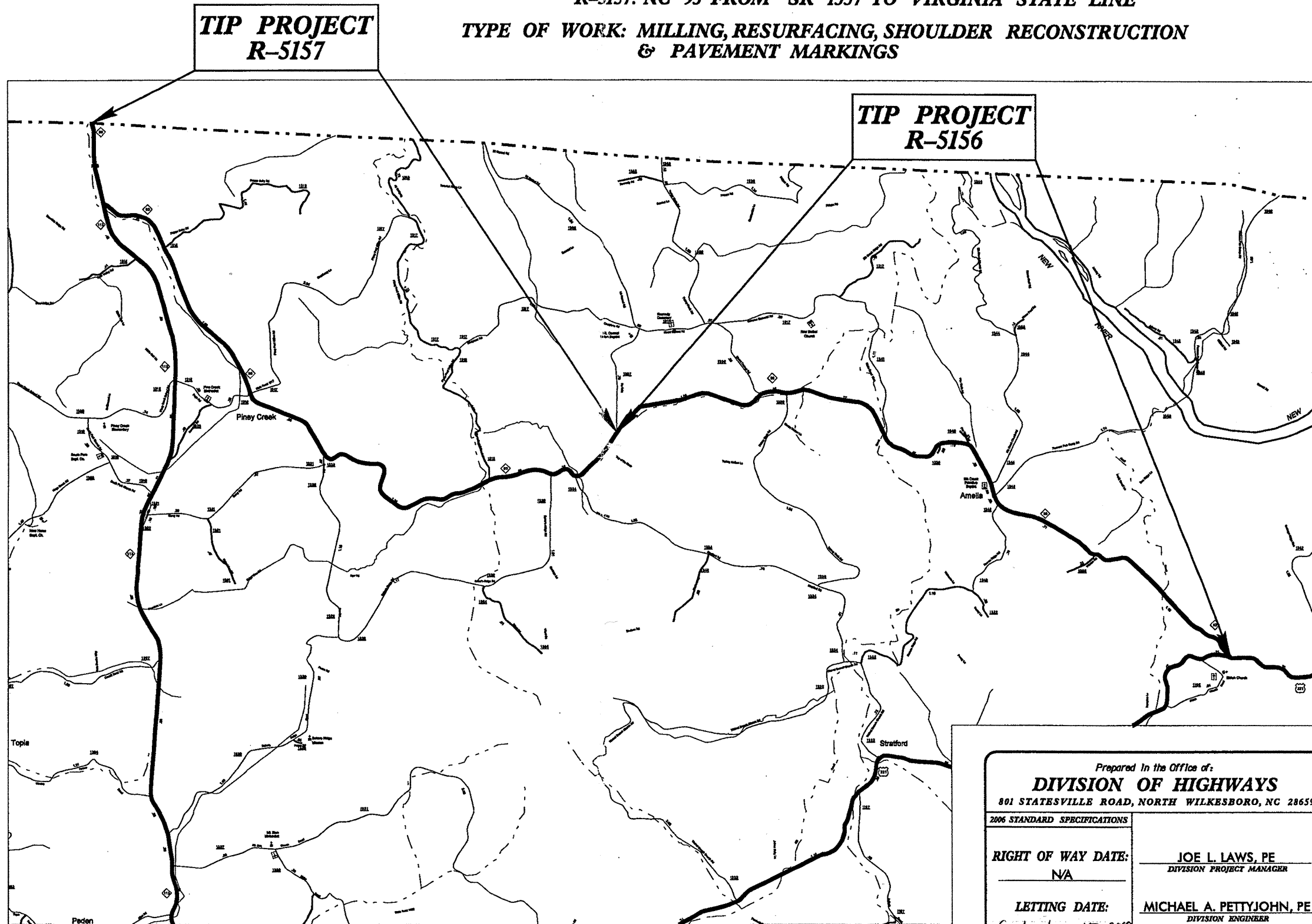
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
R-5156 & R-5157	1	

ALLEGHANY COUNTY

LOCATION: R-5156: NC 93 FROM US 221 TO SR 1337
R-5157: NC 93 FROM SR 1337 TO VIRGINIA STATE LINE

TYPE OF WORK: MILLING, RESURFACING, SHOULDER RECONSTRUCTION
& PAVEMENT MARKINGS



Prepared in the Office of:
DIVISION OF HIGHWAYS
801 STATESVILLE ROAD, NORTH WILKESBORO, NC 28659

2006 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
NA

LETTING DATE:
September 15, 2009

JOE L. LAWS, PE
DIVISION PROJECT MANAGER

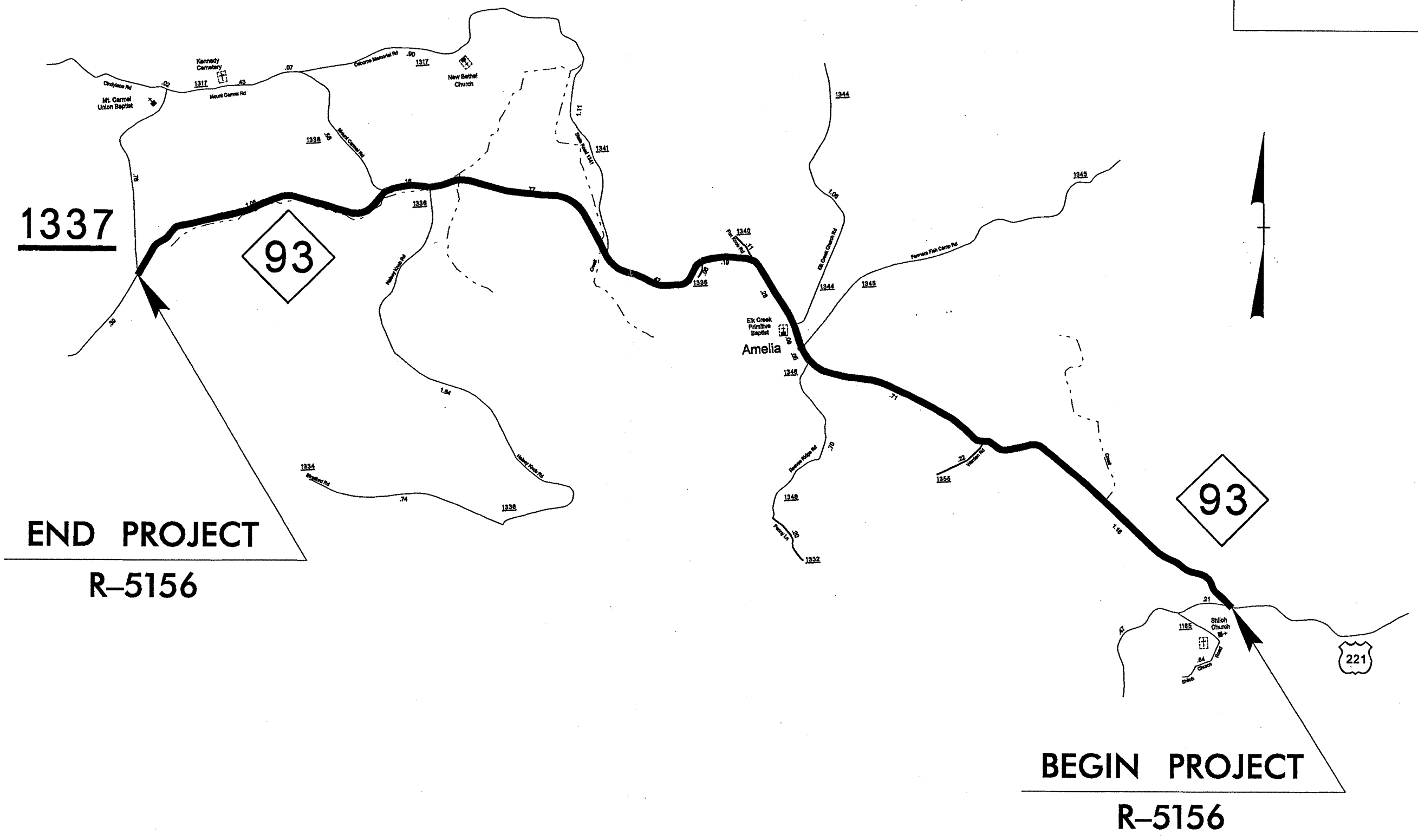
MICHAEL A. PETTYJOHN, PE
DIVISION ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

STATE HIGHWAY DESIGN ENGINEER P.E.

27-MAR-2009 14:55
d:\my documents\projects\project manager\economic stimulus\projects\5156-5157-nc93a\legheny\NC93.DOC.PSH02_031209.dgn
8/17/99

PROJECT REFERENCE NO. <i>R-5156</i>		SHEET NO. <i>2</i>	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



1337

93

**END PROJECT
R-5156**

93

**BEGIN PROJECT
R-5156**

221

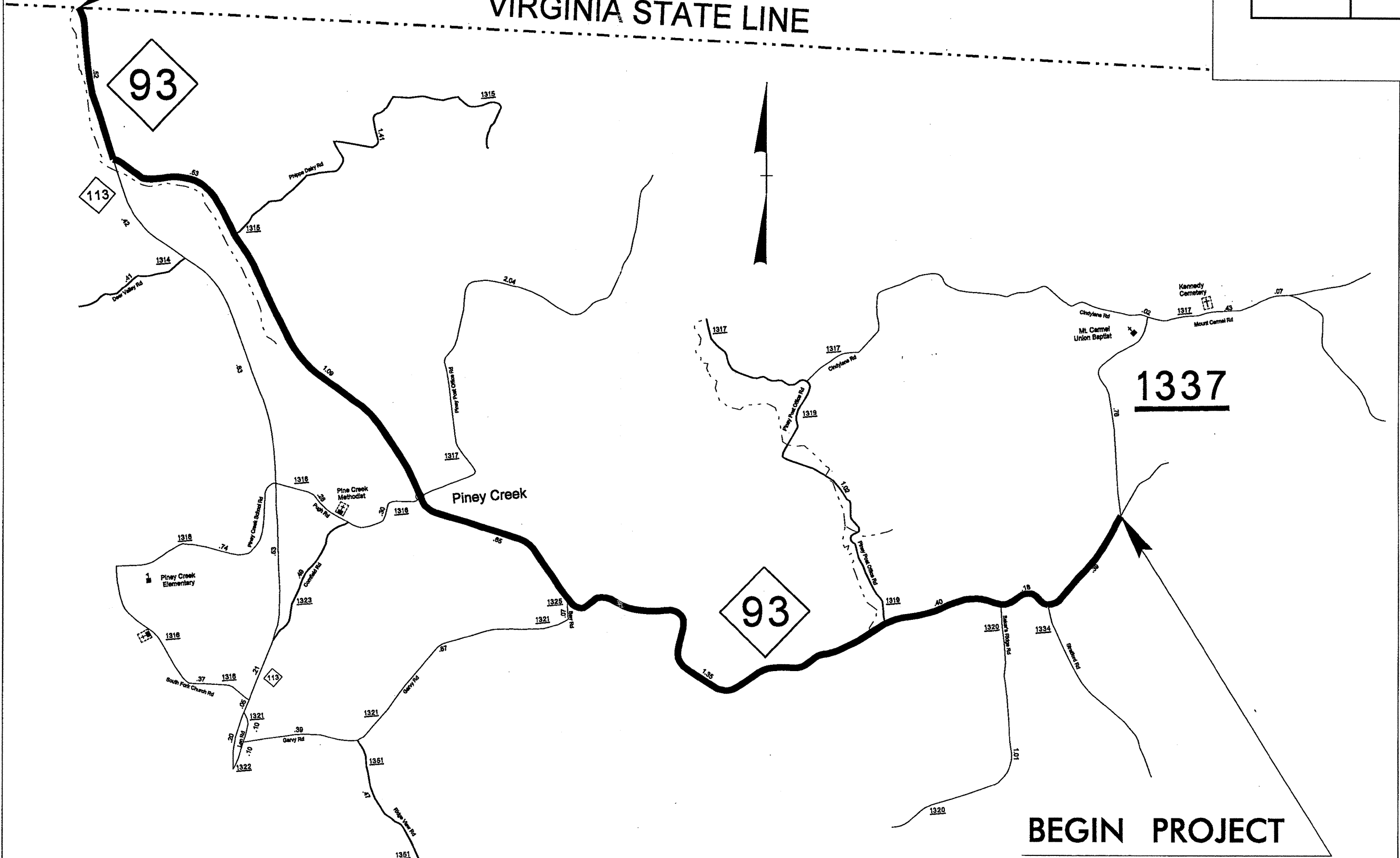
8/17/99

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Plotting at 11:14:23 AM

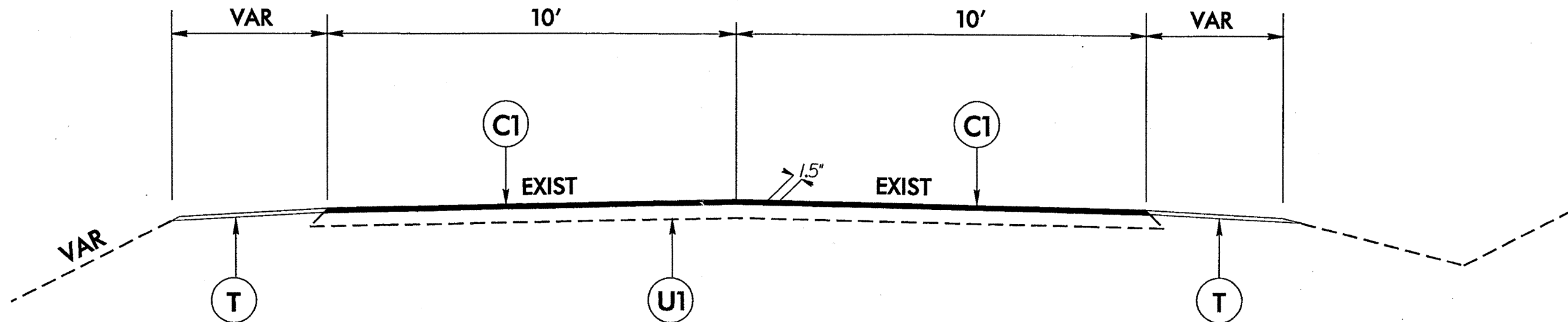
END PROJECT
R-5157

VIRGINIA STATE LINE

PROJECT REFERENCE NO.		SHEET NO.	
R-5157		3	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



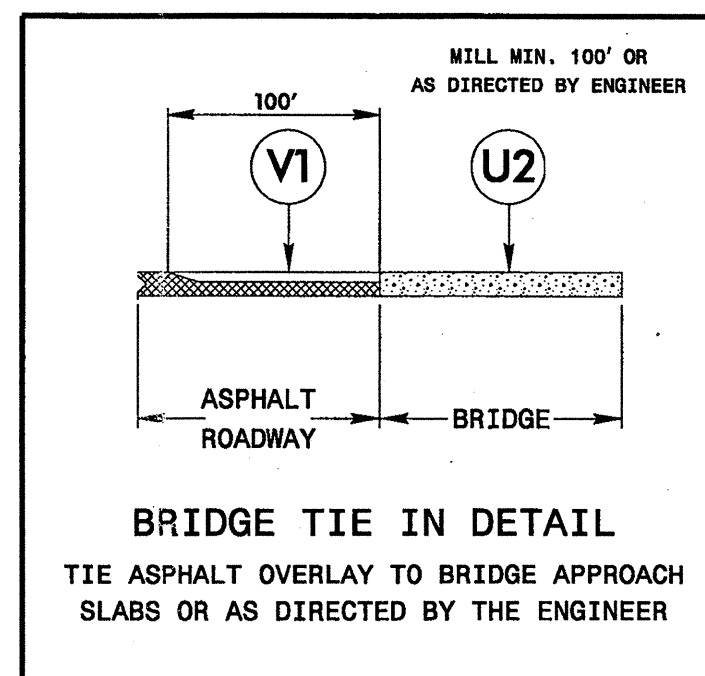
BEGIN PROJECT
R-5157




TYPICAL SECTION NO. 1

R-5156 - NC 93 FROM US 221 TO SR 1337
R-5157 - NC FROM SR 1337 TO VA. STATE LINE

PAVEMENT SCHEDULE	
C1	1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S 9.5 B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION
U1	EXISTING ASPHALT PAVEMENT
U2	EXISTING BRIDGE DECK
V1	1.5" MILLING



R-5156: NC 93 FROM US 221 TO SR 1337 R-5157: NC 93 FROM SR 1337 TO VA. STATE LINE		
DIVISION II ALLEGHANY COUNTY		
REVISIONS	INT.	DATE
SCALE: N/A DATE: 3/2009		PREPARED BY: J. L. LAWS
N.C. DEPARTMENT of TRANSPORTATION DIVISION of HIGHWAYS DIVISION ELEVEN		REVIEWED BY:
		REVIEWED BY:

PROJECT NO.	SHEET NO.	TOTAL NO.
R-5156, R-5157	5	5

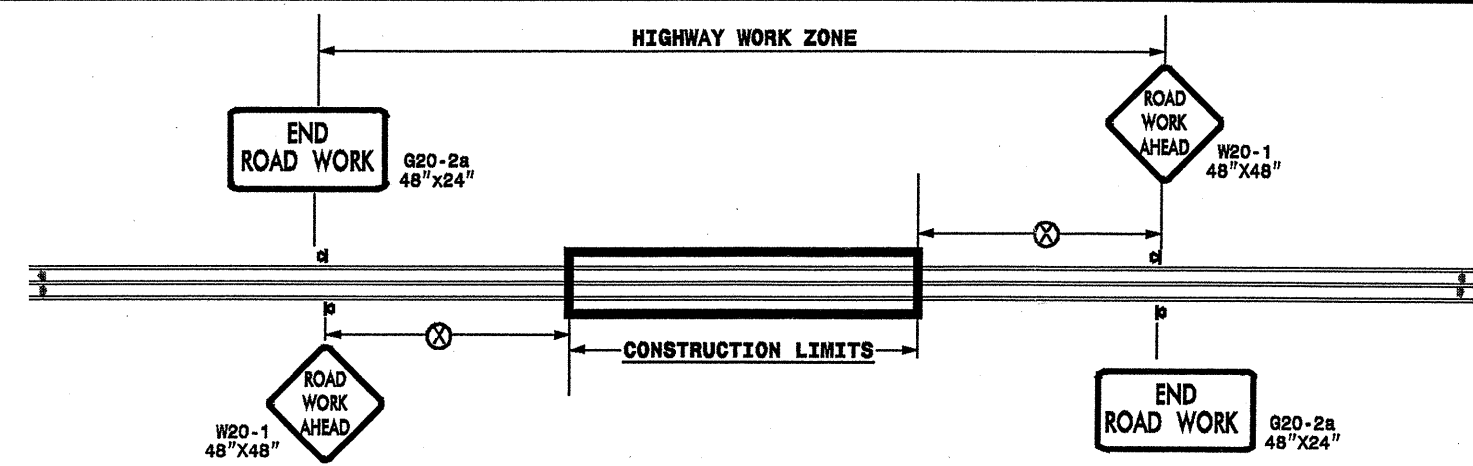
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	1½" MILLING SY	SURFACE COURSE, S9.5B TONS	PG 64-22 PLANT MIX TONS	SEED & MULCHING AC
R-5156	Alleghany	1	NC 93	FROM US 221 TO SR 1337	1	No	4.8	20	50	9.60	450.00	4,850	291	4.70
TOTAL FOR PROJ NO. R-5156							4.8		50	9.60	450.00	4,850	291	4.70
R-5157	Alleghany	2	NC 93	FROM SR 1337 TO VIRGINIA STATE LINE	1	No	5.2	20	50	10.40		5,227	314	5.00
TOTAL FOR PROJ NO. R-5157							5.2		50	10.40		5,227	314	5.00
GRAND TOTAL							10		100	20.00	450.00	10,077	605	9.70

POLYUREA AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4589000000-N	4810000000-E		4847000000-E		4905000000-N
					LUMP SUM TRAFFIC CONTROL LS	4" WHITE PAINT LF	4" YELLOW PAINT LF	4" WHITE POLYUREA (Standard Beads) LF	4" YELLOW POLYUREA (Standard Beads) LF	SNOW PLOWABLE MARKERS (y/y) EA
R-5156	Alleghany	1	NC 93	FROM US 221 TO SR 1337	1	400	400	50,688	50,688	317
TOTAL FOR PROJ NO. R-5156						400	400	50,688	50,688	317
						800		101,376		
R-5157	Alleghany	2	NC 93	FROM SR 1337 TO VIRGINIA STATE LINE	*			54,912	54,912	344
TOTAL FOR PROJ NO. R-5157								54,912	54,912	344
								109,824		
GRAND TOTAL					1	400	400	105,600	105,600	661
						800		211,200		

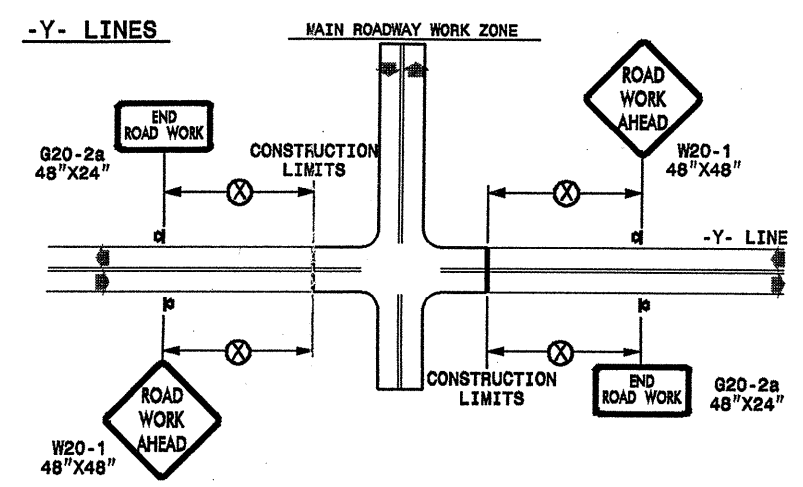
TWO-WAY UNDIVIDED ** (L-LINES)



POSTED SPEED LIMIT (M.P.H.)	RECOMMENDED MINIMUM SIGN SPACING
≤ 50	500'
≥ 55	1000'

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

ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)



GENERAL NOTES


- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCE WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- PROVIDE PORTABLE WORK ZONE SIGN STANDS, PORTABLE SIGNS AND SIGN SHEETING WHICH ARE LISTED ON THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCT LIST OR ACCEPTED AS TRAFFIC QUALIFIED BY THE TRAFFIC CONTROL UNIT.
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

LEGEND

- ◁ PORTABLE SIGN
- ➔ DIRECTION OF TRAFFIC FLOW

DETAIL DRAWING
FOR TWO-WAY UNDIVIDED
WORK ZONE WARNING SIGNS

SHEET 1 OF 1

APPROVED: _____ DATE: _____	DETAIL DRAWING FOR TWO-WAY UNDIVIDED ADVANCED WORK ZONE WARNING SIGNS	
SEAL	SCALE: NONE	REVISIONS
	DATE: _____	7-98 10/01
	DWG. BY: _____	10-98 03/04
	DESIGN BY: _____	01/01 11/04
REVIEWED BY: _____		

13-MAY-2009 10:08
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