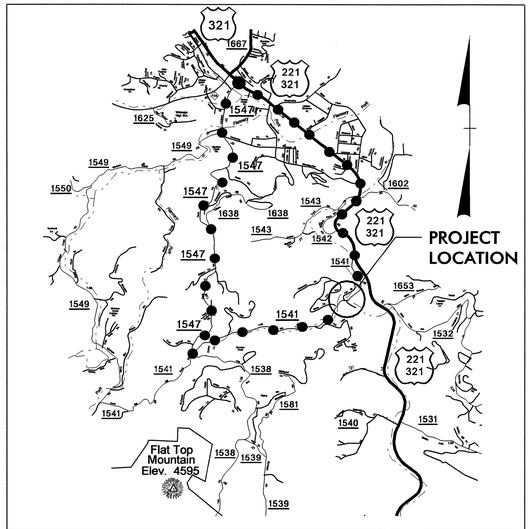
See Sheet 1-A For Index of Sheets
1-B For Conventional Symbols

T.I.P. NO.	SHEET NO.
B–4317	UO–1

TIP PROJECT: B–4317

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITY BY OTHERS PLANS
WATAUGA COUNTY

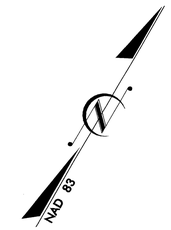


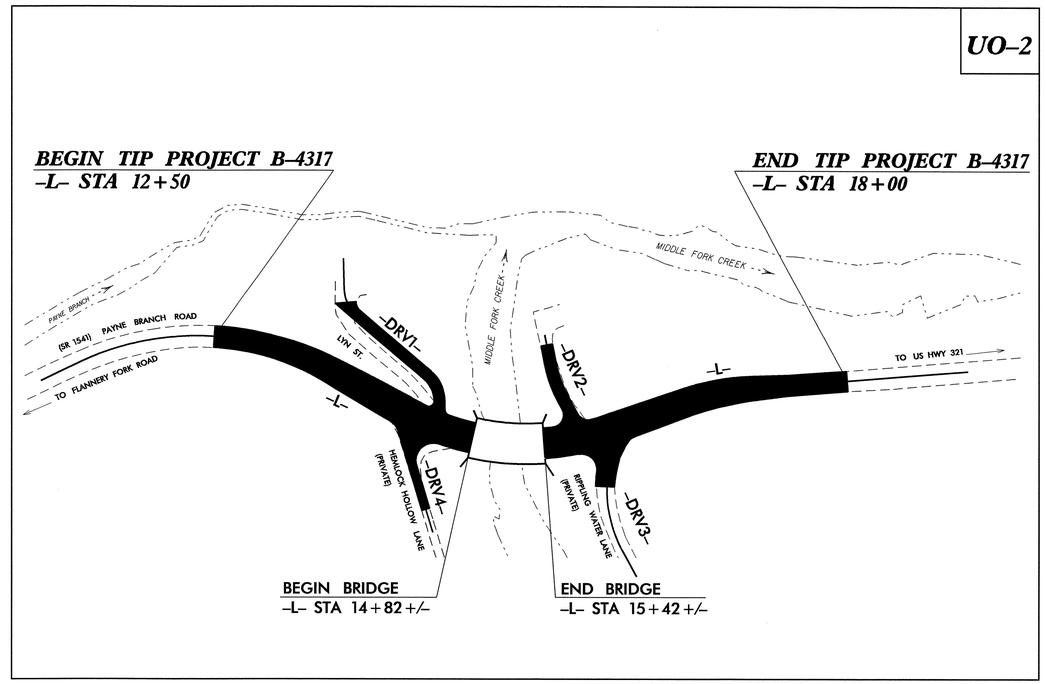
VICINITY MAP

OFFSITE DETOUR

LOCATION: BRIDGE NO. 16 OVER MIDDLE FORK CREEK ON SR 1541 (PAYNE BRANCH ROAD)

TYPE OF WORK: UTILITY RELOCATION





GRAPHIC SCALES

30 15 0 30 60
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UO–1	TITLE SHEET
UO–2	UTILITY BY OTHERS PLAN SHEET

UTILITY OWNERS ON PROJECT

(1) BELLSOUTH
(2) NEW RIVER LIGHT & POWER

PREPARED IN THE OFFICE OF:
DIVISION OF HIGHWAYS
DESIGN SERVICES
UTILITY SECTION
1591 MAIL SERVICES CENTER
RALEIGH NC 27699–1591
PHONE (919) 250–4128
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Roger Worthington, P.E.	UTILITIES SECTION ENGINEER
Corey Bousquet, P.E.	UTILITIES SQUAD LEADER PROJECT ENGINEER
Stephanie Athey	UTILITIES PROJECT DESIGNER

PROJECT REFERENCE NO.	SHEET NO.
B-4317	U0-2

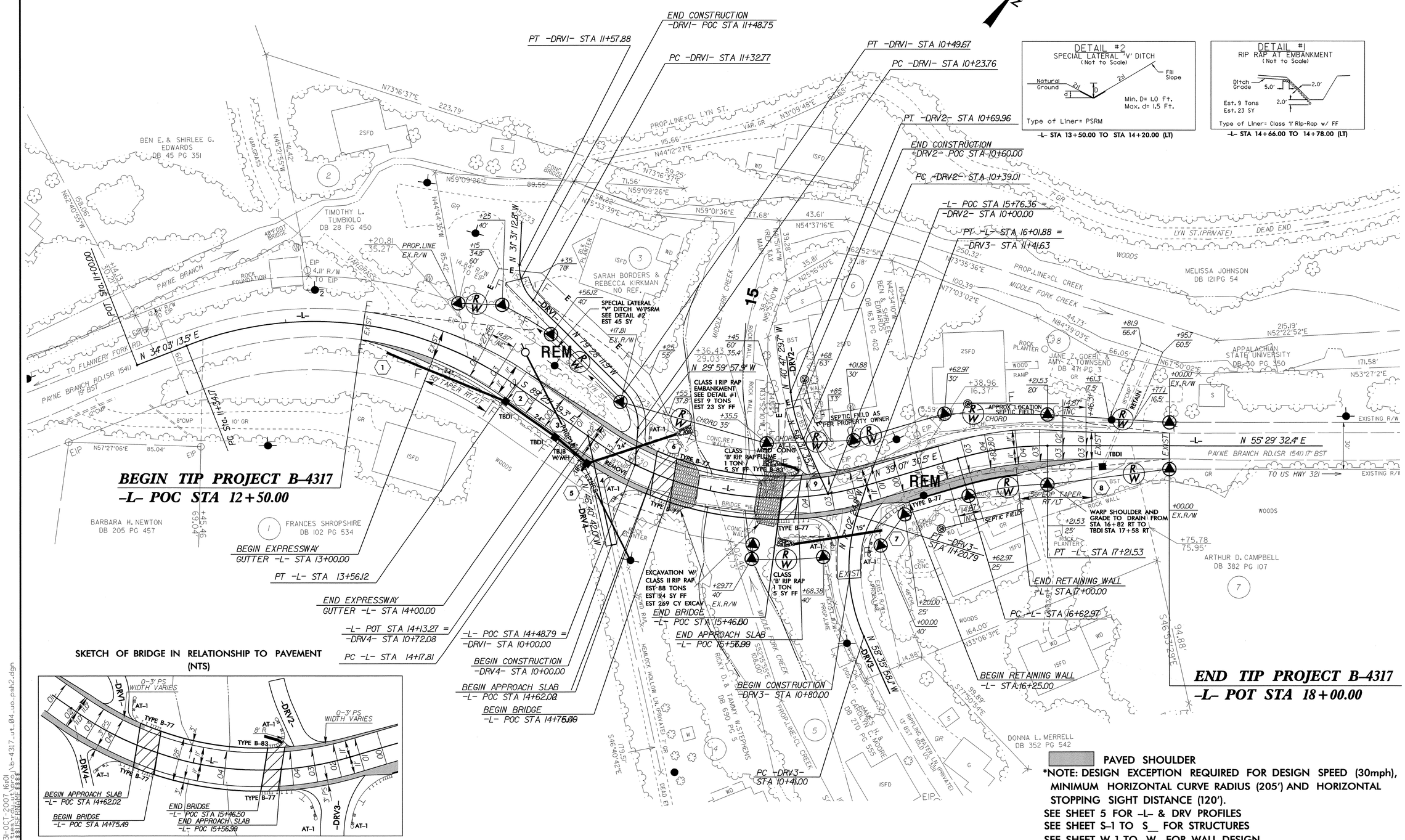
UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS

-L-		
PI Sta 12+55.11	PI Sta 15+16.57	PI Sta 16+92.45
Δ = 56° 31' 07.2" (RT)	Δ = 51° 26' 50.2" (LT)	Δ = 16° 22' 01.9" (RT)
D = 25° 27' 53.2"	D = 27° 56' 57.0"	D = 27° 56' 57.0"
L = 221.95'	L = 184.07'	L = 58.56'
T = 120.94'	T = 98.76'	T = 29.48'
R = 225.00'	*R = 205.00'	*R = 205.00'

-DRV1-	
PI Sta 10+37.58	PI Sta 11+46.11
Δ = 49° 28' 14.0" (LT)	Δ = 41° 56' 59.1" (RT)
D = 190° 59' 09.4"	D = 190° 59' 09.4"
L = 25.90'	L = 25.11'
T = 13.82'	T = 13.34'
R = 30.00'	R = 30.00'

-DRV2-	-DRV3-
PI Sta 10+54.61	PI Sta 10+82.74
Δ = 17° 44' 06.0" (RT)	Δ = 41° 33' 33.3" (RT)
D = 57° 17' 44.8"	D = 52° 05' 13.5"
L = 30.95'	L = 79.79'
T = 15.60'	T = 41.74'
R = 100.00'	R = 110.00'



-L- STA 13+50.00 TO STA 14+20.00 (LT)

-L- STA 14+66.00 TO 14+78.00 (LT)

SKETCH OF BRIDGE IN RELATIONSHIP TO PAVEMENT (NTS)

PAVED SHOULDER

*NOTE: DESIGN EXCEPTION REQUIRED FOR DESIGN SPEED (30mph), MINIMUM HORIZONTAL CURVE RADIUS (205') AND HORIZONTAL STOPPING SIGHT DISTANCE (120').

SEE SHEET 5 FOR -L- & DRV PROFILES

SEE SHEET S-1 TO S_ FOR STRUCTURES

SEE SHEET W-1 TO W_ FOR WALL DESIGN

5/14/99

31-OCT-2007 (6:01
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