

**CONTRACT: C201115 TIP PROJECT: R-2237B**

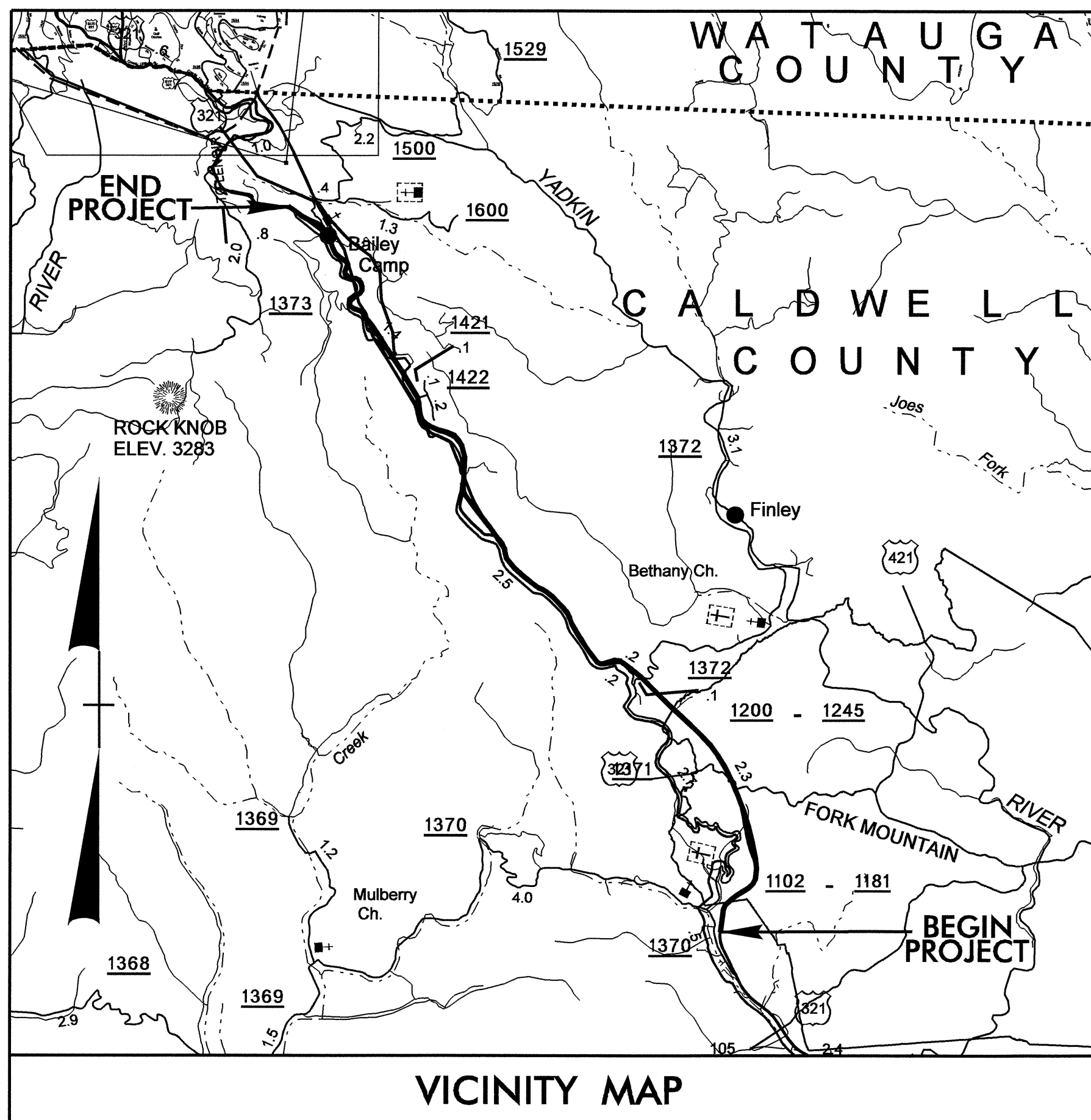
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**CALDWELL COUNTY**

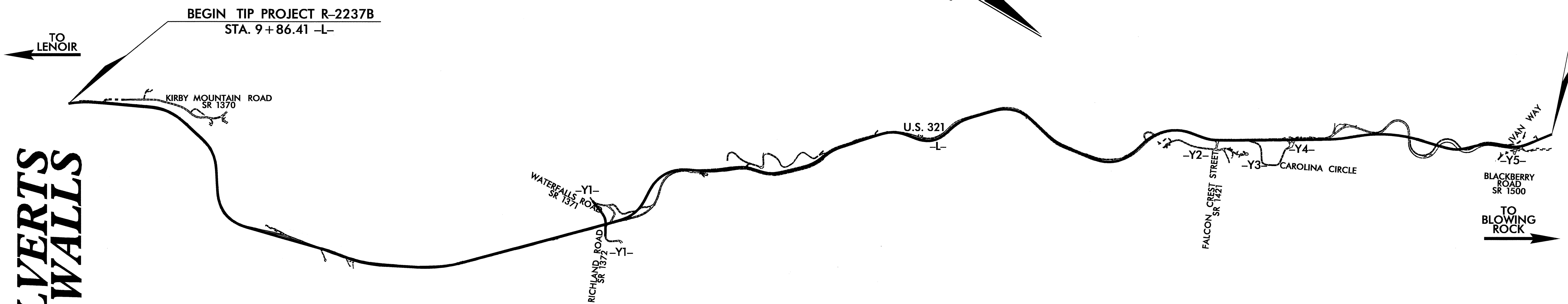
**LOCATION: U.S. 321 FROM S.R. 1370 (KIRBY MOUNTAIN ROAD)  
TO S.R. 1500 (BLACKBERRY ROAD)**

**TYPE OF WORK: GRADING, DRAINAGE, PAVING, CULVERTS,  
GUARDRAIL AND RETAINING WALLS**

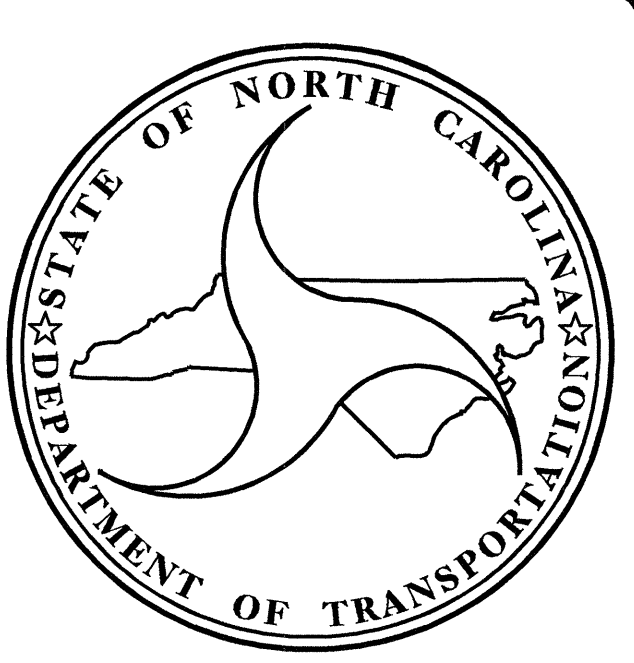
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2237B		
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34402.1.1		PE	
34402.2.1	NHF-321(11)	RW / UTILITIES	
34402.3.6	NHF-321(12)	CONST.	



VICINITY MAP



**CULVERTS & WALLS**



**DESIGN DATA**

ADT 2004 =	4700
ADT 2024 =	6900
DHV =	10 %
D =	60 %
T =	8 % *
V =	50 MPH
* TTST 3%	DUAL 5%

**PROJECT LENGTH**

TOTAL LENGTH TIP PROJECT R-2237B = 6.57 mi.

Prepared In the Office of:

**DIVISION OF HIGHWAYS**

2002 STANDARD SPECIFICATIONS

**LETTING DATE:**  
DECEMBER 21, 2004

**JOHN C. FRYE, P.E.**  
PROJECT ENGINEER

**BRIAN C. HANKS, P.E.**  
PROJECT DESIGN ENGINEER

STRUCTURE DESIGN UNIT  
1000 BIRCH RIDGE DR.  
RALEIGH, N.C. 27610

**PROFESSIONAL SEAL**  
NORTH CAROLINA  
SEAL 14552  
ENGINEER  
GREGORY R. PERFETTI

*Gregory R. Perfetti*  
11.2.04

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

STATE DESIGN ENGINEER \_\_\_\_\_ P.E.  
DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
DIVISION ADMINISTRATOR