

CONTRACT: C201490 TIP PROJECT: B-4110

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4110		
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
33465.1.1	BRZ-1616(5)	P.E.	
33465.1.1	BRZ-1616(5)	RW & UTIL.	
33465.3.1	BRZ-1616(5)	CONST.	

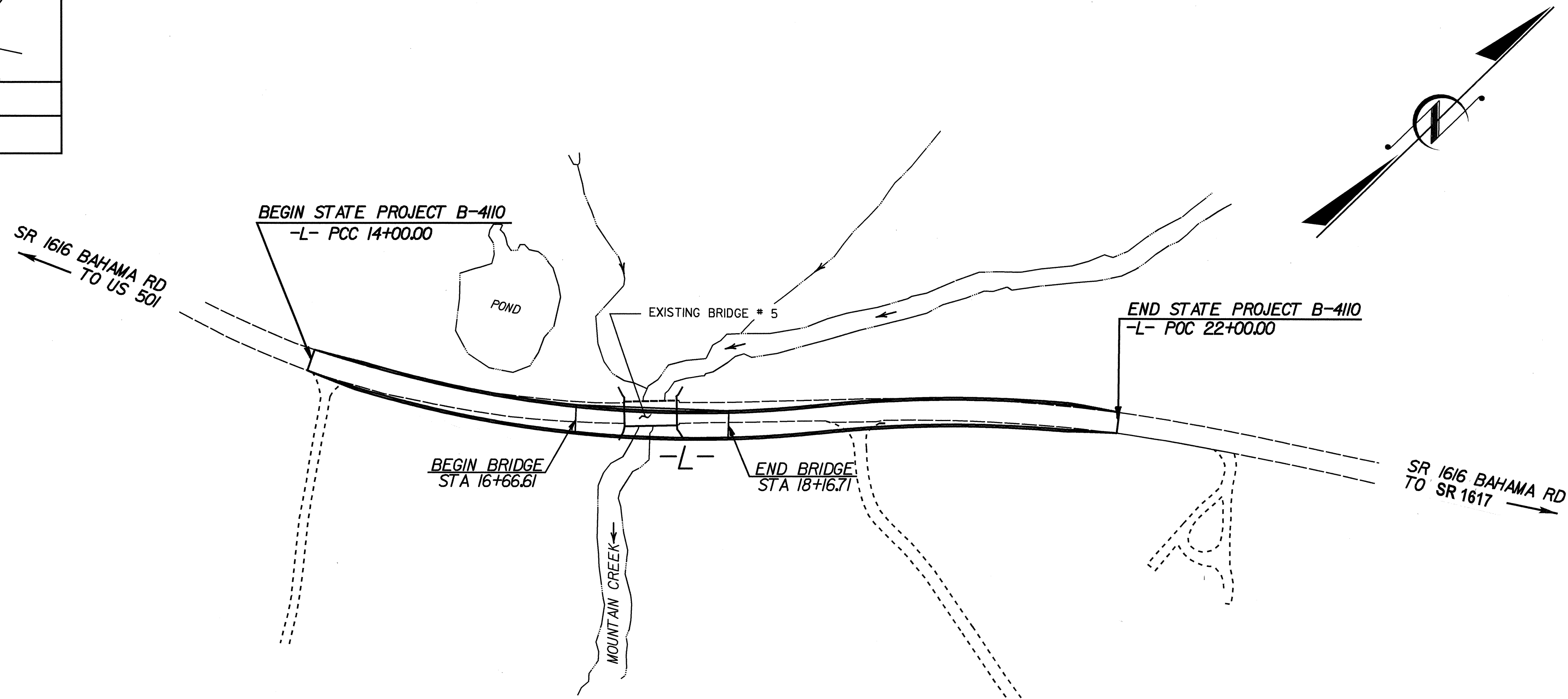
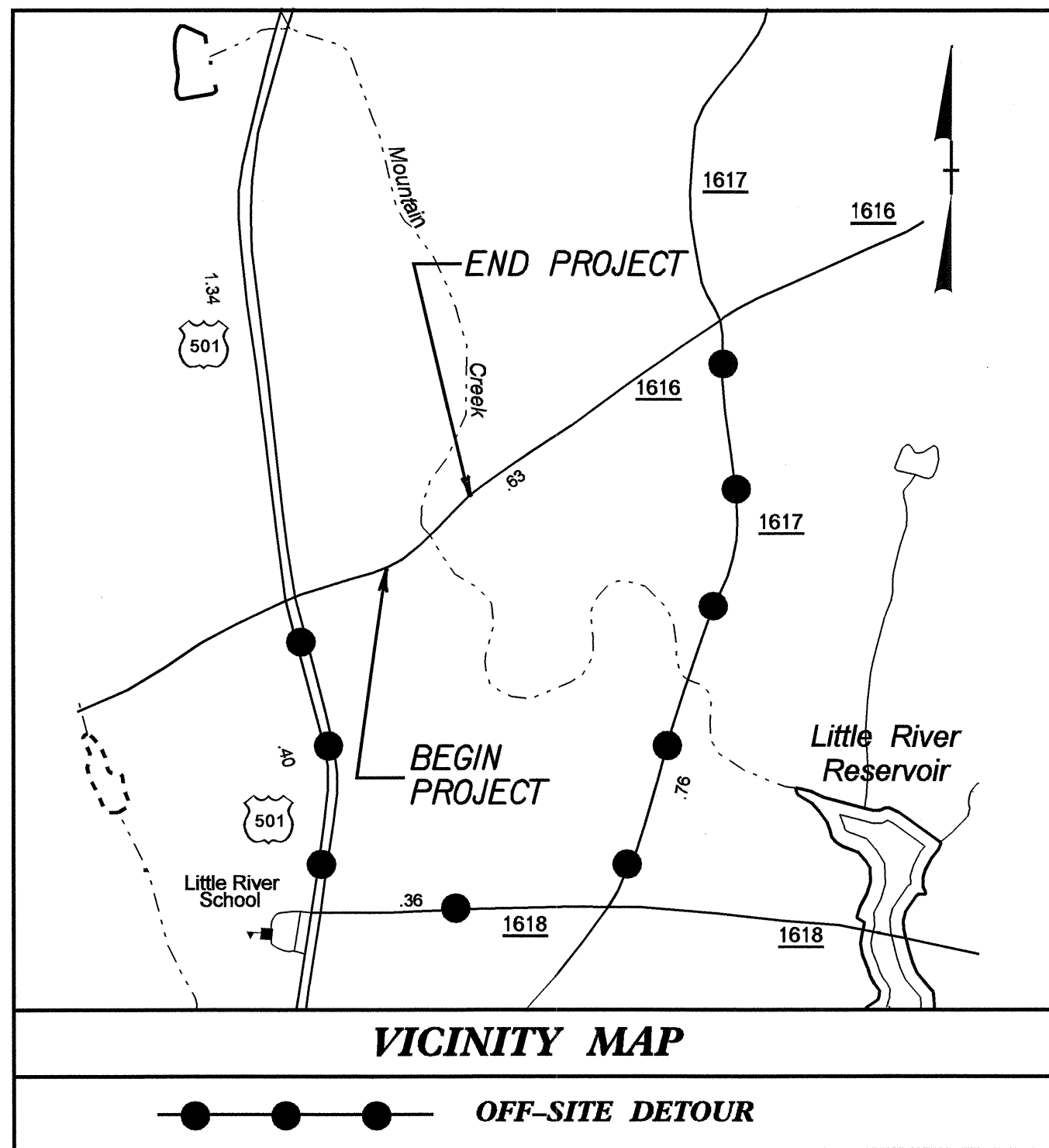
STATE OF NORTH CAROLINA

DIVISION OF HIGHWAYS

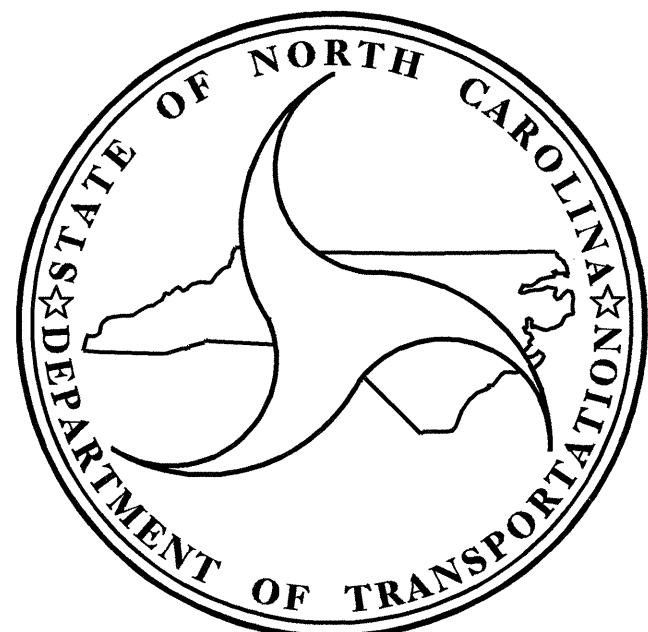
DURHAM COUNTY

LOCATION: BRIDGE NO. 5 OVER MOUNTAIN CREEK AND APPROACHES ON SR 1616 (BAHAMA ROAD)

TYPE OF WORK: GRADING, PAVING, DRAINAGE, AND STRUCTURE



STRUCTURE



DESIGN DATA

ADT 2006 = 3750
 ADT 2026 = 6750
 DHV = 13 %
 D = 60 %
 T = 3 % *
 V = 60 MPH
 * TTST 1% DUAL 2%

FUNC CLASS:
 RURAL MINOR COLLECTOR

DESIGN EXCEPTIONS:
 SAG VERTICAL CURVE K
 SUPERELEVATION
 HORIZONTAL SSD

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B-4110 = 0.124 MILES
 LENGTH STRUCTURES TIP PROJECT B-4110 = 0.028 MILES
 TOTAL LENGTH OF TIP PROJECT B-4110 = 0.152 MILES

Prepared in the Office of:

DIVISION OF HIGHWAYS

1000 Birch Ridge Dr., Raleigh, NC 27610

2002 STANDARD SPECIFICATIONS

LETTING DATE :
 APRIL 18, 2006

ROY GIROLAMI, P.E.
 PROJECT ENGINEER

DAVID ANDERSON, P.E.
 PROJECT DESIGN ENGINEER

STRUCTURE DESIGN UNIT



**DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA**

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

APPROVED
 DIVISION ADMINISTRATOR DATE