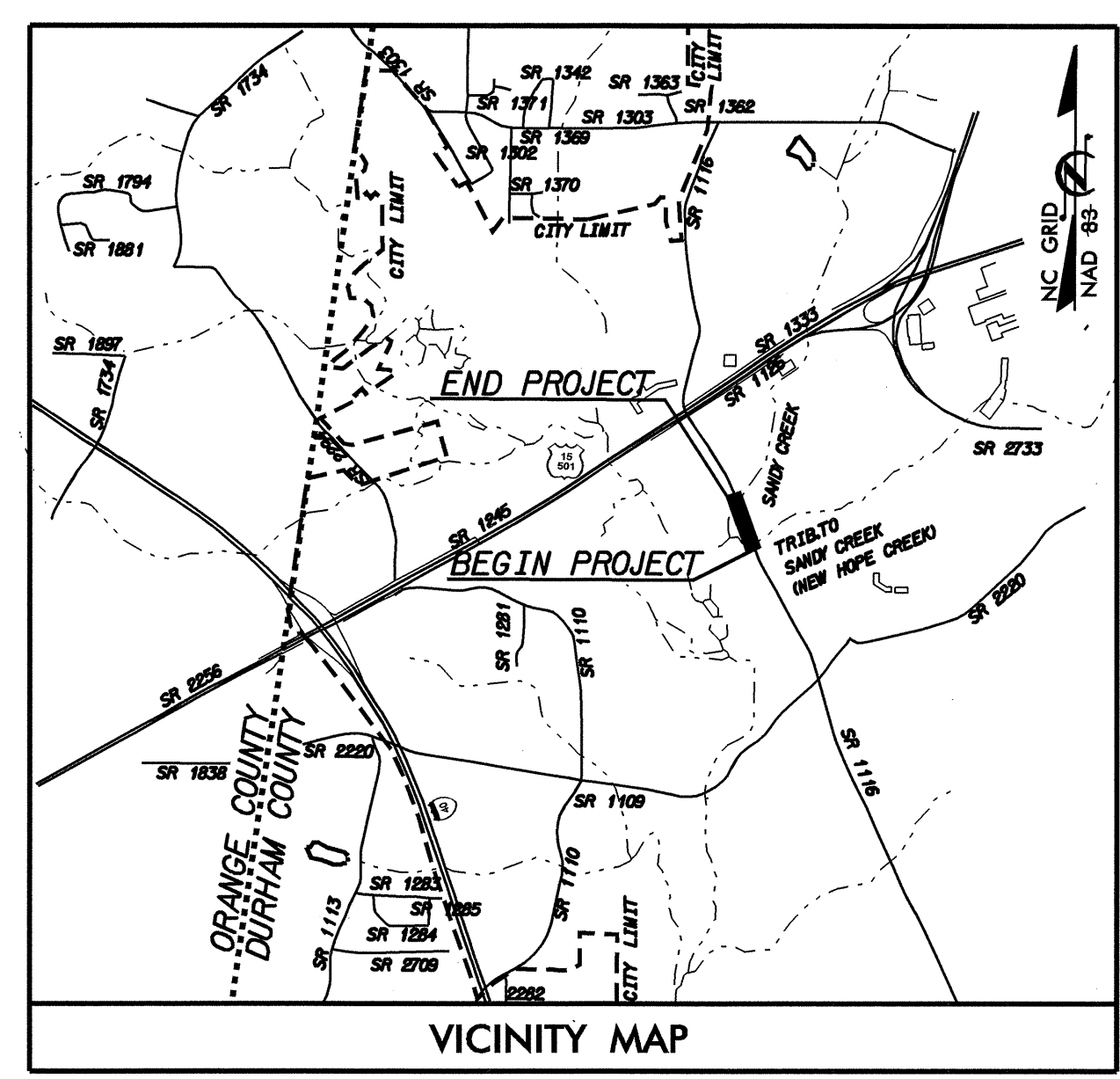


CONTRACT: C200841, C201234 TIP PROJECT: B-3450

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-3450		
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
33070.1.1	BRSTP-1116(4)	PE	
33070.2.2	BRSTP-1116(4)	RW, UTILITIES	
33070.3.1	BRSTP-1116(6)	CONST.	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

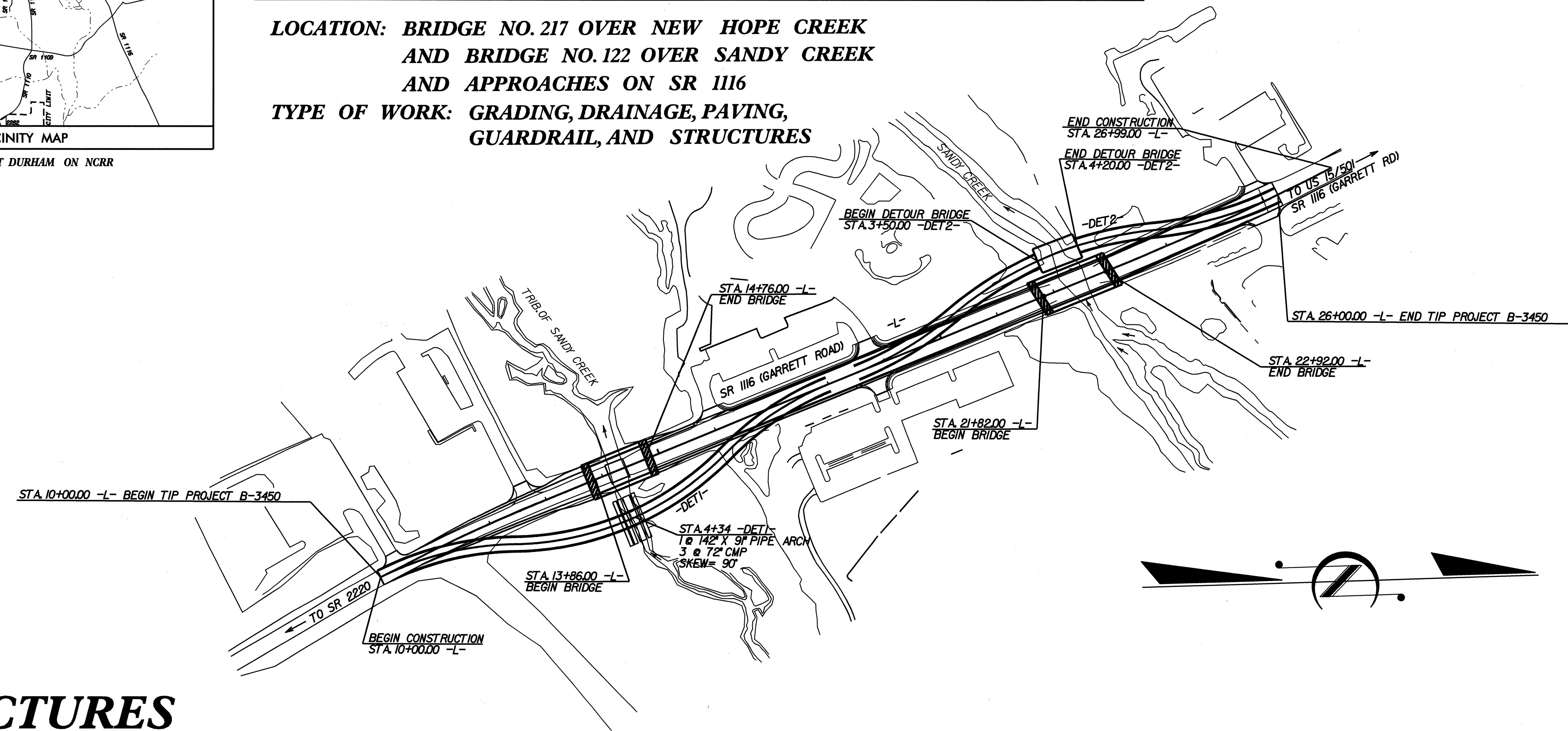
DURHAM COUNTY



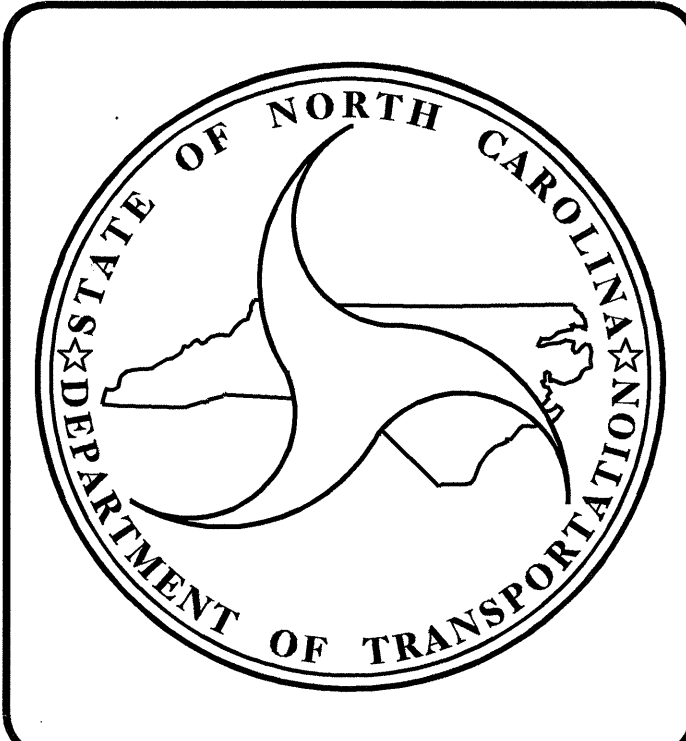
NEAREST SHIPPING POINT AT DURHAM ON NCRR
9 MILES FROM BRIDGE.

**LOCATION: BRIDGE NO. 217 OVER NEW HOPE CREEK
AND BRIDGE NO. 122 OVER SANDY CREEK
AND APPROACHES ON SR 1116**

**TYPE OF WORK: GRADING, DRAINAGE, PAVING,
GUARDRAIL, AND STRUCTURES**



STRUCTURES



DESIGN DATA	
ADT 2003	= 11,800 VPD
ADT 2023	= 18,900 VPD
DHV	= 10%
D	= 55%
T	= 7% *
V	= 45 MPH
* TTST 3% + DUAL 4%	

PROJECT LENGTH	
LENGTH ROADWAY TIP PROJECT B-3450	= 0.265 MI.
LENGTH STRUCTURE TIP PROJECT B-3450	= 0.038 MI.
TOTAL LENGTH TIP PROJECT B-3450	= 0.303 MI.

Prepared In the Office of:

DIVISION OF HIGHWAYS

2002 STANDARD SPECIFICATIONS

LETTING DATE :
April 19, 2005

N. N. BULLOCK
PROJECT ENGINEER

D. R. CALHOUN
PROJECT DESIGN ENGINEER

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

Professional Engineer Seal for Gregory R. Perpetti, No. 14552.

Gregory R. Perpetti
7.2.05

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

STATE DESIGN ENGINEER

**DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION**

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

08-FEB-2005 09:30
\\planning\3450\harris\microstation\STR_1\3450.ed.tsb_01.dgn
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