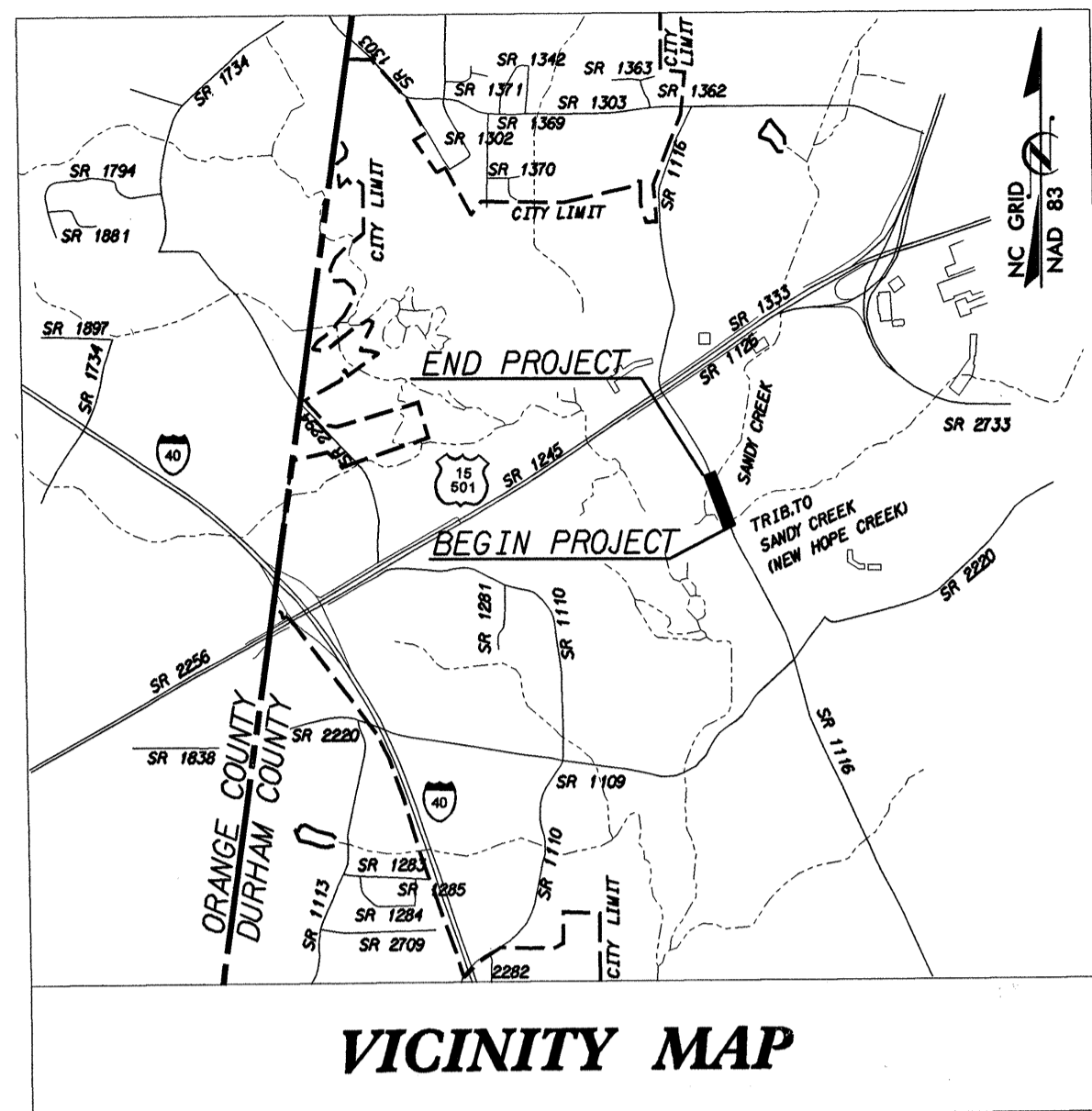


CONTRACT: C200841 TIP PROJECT: B-3450

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

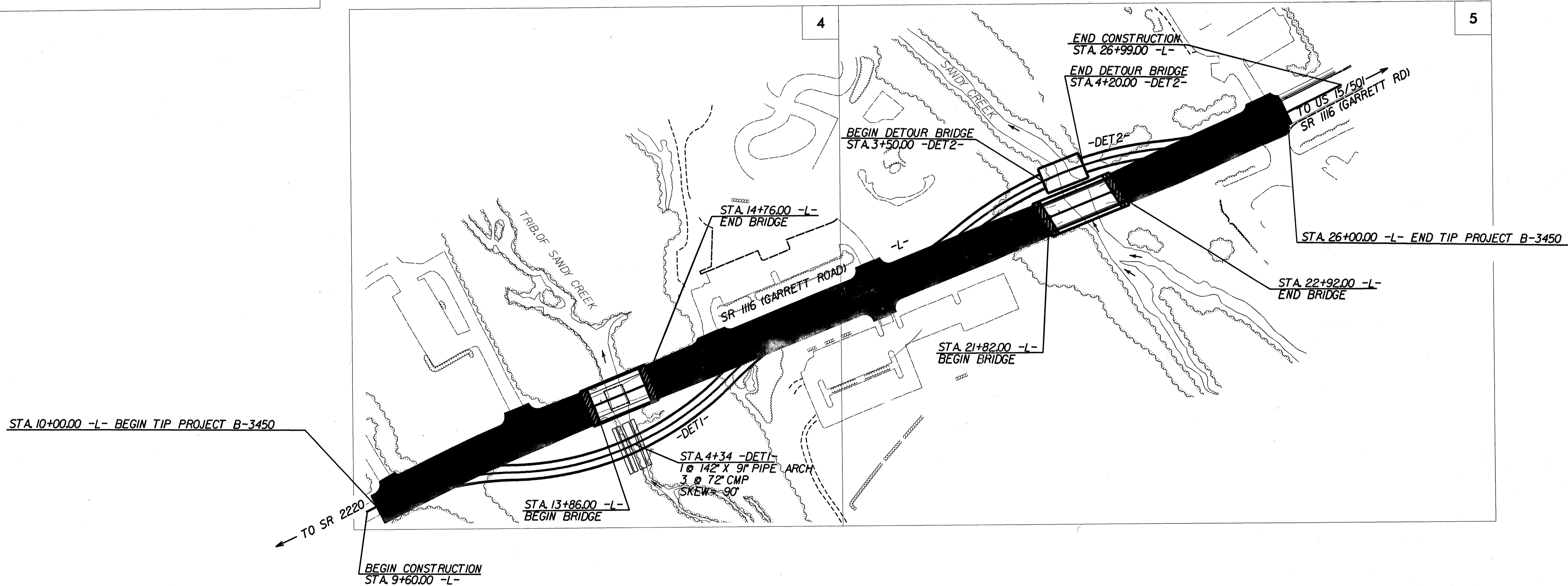
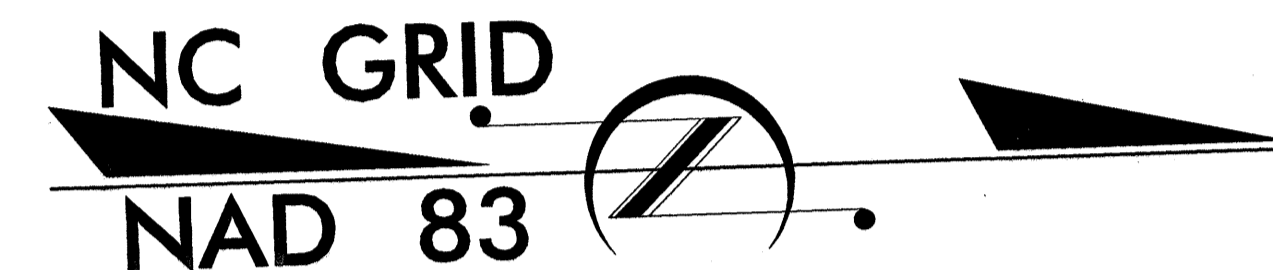


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
DURHAM COUNTY

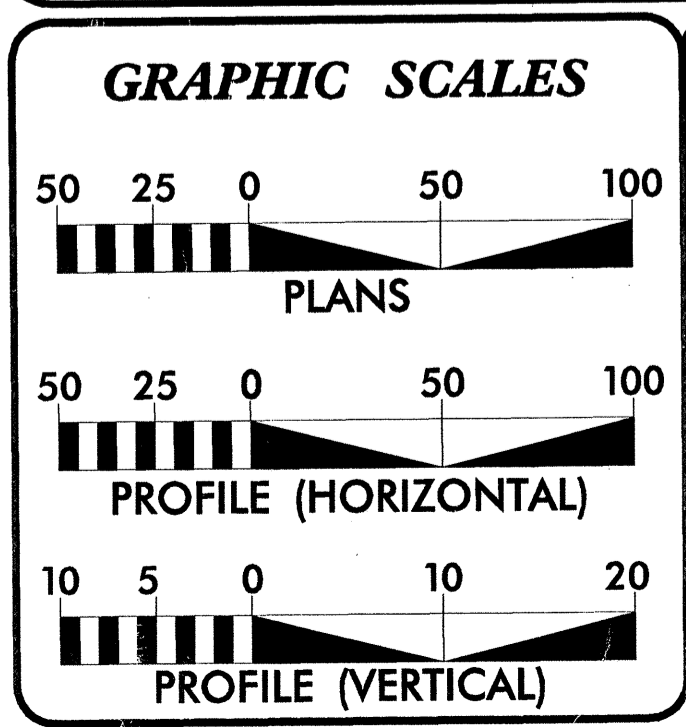
**LOCATION: BRIDGE NO. 217 OVER TRIBUTARY OF SANDY CREEK
AND BRIDGE NO. 122 OVER SANDY CREEK
AND APPROACHES ON SR 1116**

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

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-3450	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
33070.1.1	BRSTP-1116 (4)	PE	
33070.2.2	BRSTP-1116 (4)	R/W, UTILITIES	
33070.3.1	BRSTP-1116 (6)	CONST.	



NCDOT CONTACT: MS. CATHY S. HOUSER, PE, PROJECT ENGINEER



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 MILE
LENGTH STRUCTURE TIP PROJECT B-3450 =	0.038 MILE
TOTAL LENGTH OF TIP PROJECT B-3450 =	0.303 MILE

Prepared for NCDOT In the Office of:

KCI Associates of North Carolina, P.A.
RALEIGH OFFICE
ENGINEERS • PLANNERS • ECOLOGISTS

2002 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: MARCH 21, 2003

LETTING DATE: APRIL 19, 2005

MICHELLE R. BRAME, P.E.
PROJECT ENGINEER

JENNIFER M. SPOHN
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

JEFFREY L. BECK
P.E.

SIGNATURE:

ROADWAY DESIGN

MICHELLE R. BRAME
P.E.

SIGNATURE:

**DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA**

cut m. millan P.E.
STATE DESIGN ENGINEER

**DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION**

APPROVED
DIVISION ADMINISTRATOR

DATE