

09/09/99


See Sheet 1-A For Index of Sheets

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CHATHAM COUNTY

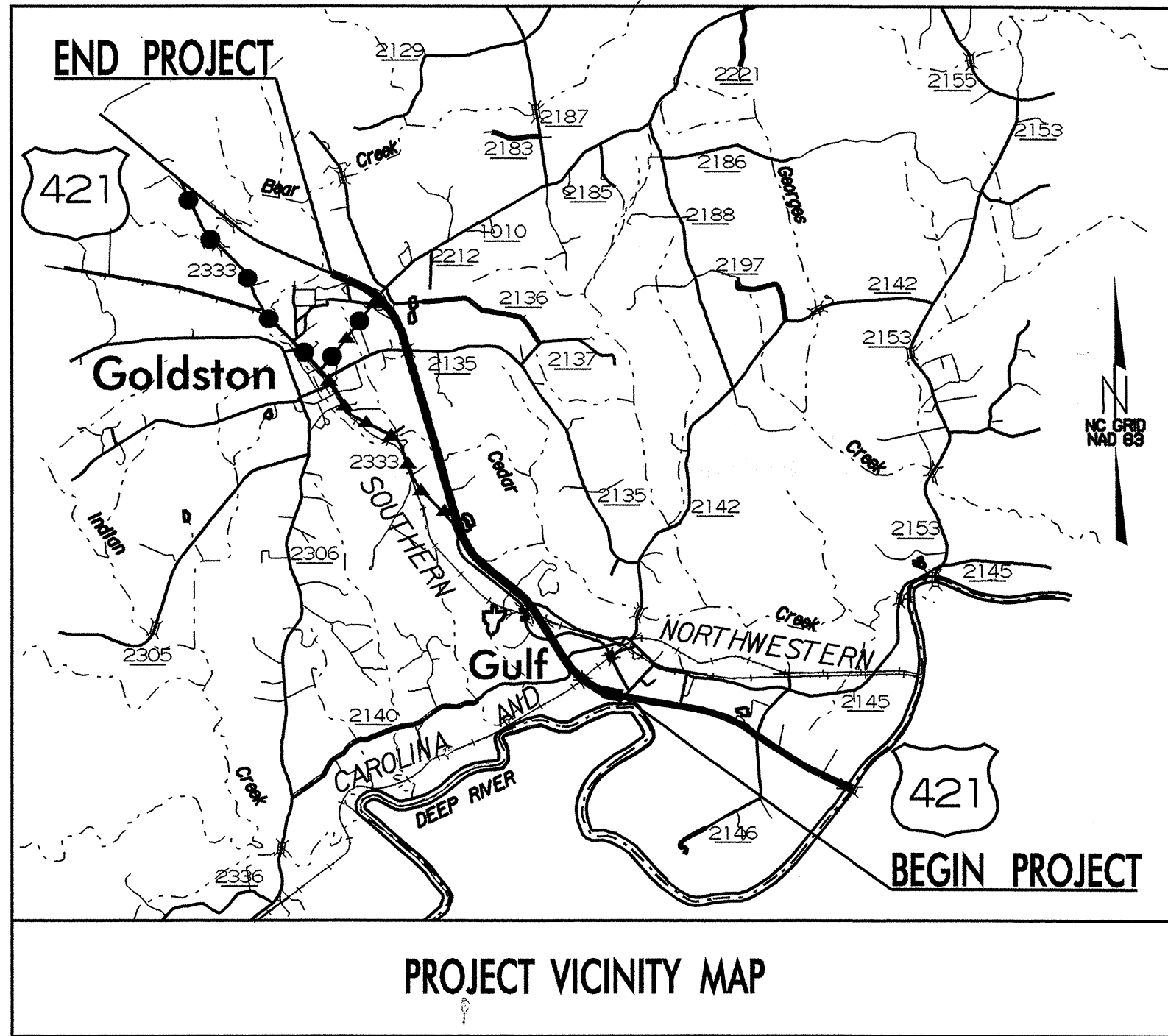
LOCATION: US 421 FROM 4 LANES APPROX. 200M SOUTH OF SR 1007 AT GULF TO APPROX. 1 KM NORTH OF SR 1010

TYPE OF WORK: GRADING, DRAINAGE, PAVING, CULVERT EXTENSIONS, AND STRUCTURES

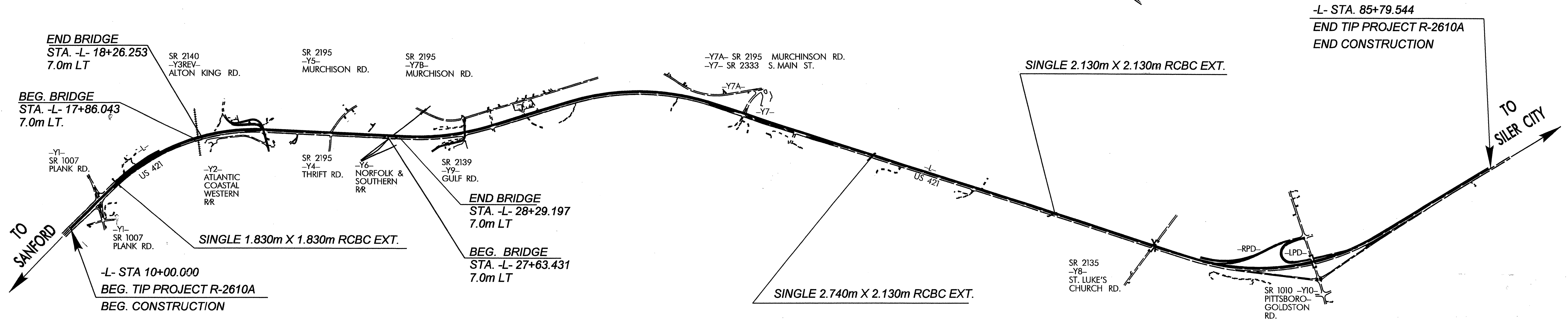
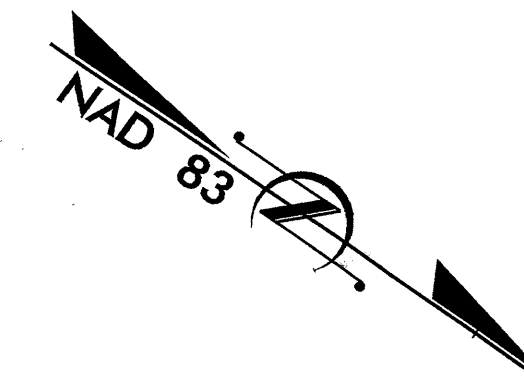


ALL DIMENSIONS IN THESE PLANS ARE IN METERS AND/OR MILLIMETERS UNLESS OTHERWISE SHOWN


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2610A	1	
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
34481.1.1		P.E.	
34481.2.2		RW, P.E. for UTIL.	
34481.3.2		CONST.	



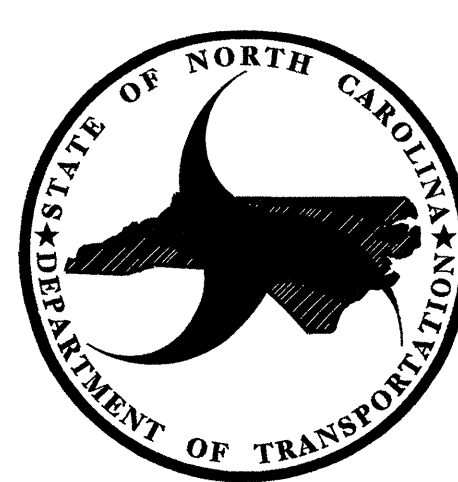
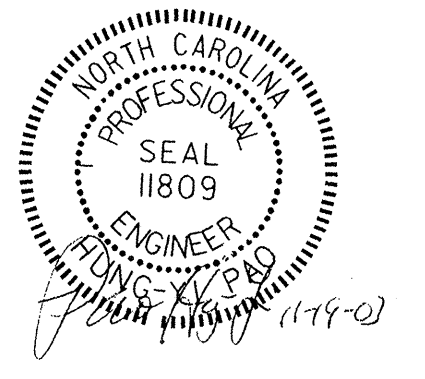
- SB US 421 (ON RAMP) DETOUR ROUTE
- SB US 421 (EXIT LOOP) DETOUR ROUTE



STRUCTURES



Stantec Consulting Services Inc.
Suite 300, 801 Jones Franklin Road
Raleigh, NC 27606
Tel. 919.851.6866
Fax. 919.851.7024
www.stantec.com



DESIGN DATA

ADT 2004 =	11,486 -12,638
ADT 2024 =	18,452 -20,980
DHV =	10 %
D =	60 %
T =	17 % *
V =	100 km/h
* TTST 13%	DUAL 4 %

PROJECT LENGTH

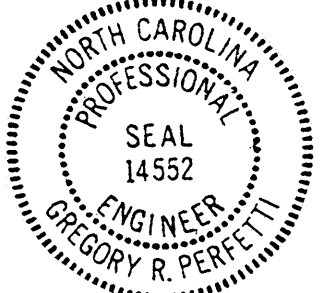
LENGTH ROADWAY TIP PROJECT R-2610A =	7.474 KM
LENGTH STRUCTURE TIP PROJECT R-2610A =	0.106 KM
TOTAL LENGTH OF TIP PROJECT R-2610A =	7.580 KM

Prepared In the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh, NC 27610

2002 STANDARD SPECIFICATIONS

LETTING DATE:
SEPTEMBER 21, 2004

STRUCTURE DESIGN UNIT



APPROVED
DIVISION ADMINISTRATOR

DATE

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

P.E.
STATE DESIGN ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED
DIVISION ADMINISTRATOR

DATE

06-AUG-2004 09:56 DGN*****

CONTRACT: C200820 TIP PROJECT: R-2610A