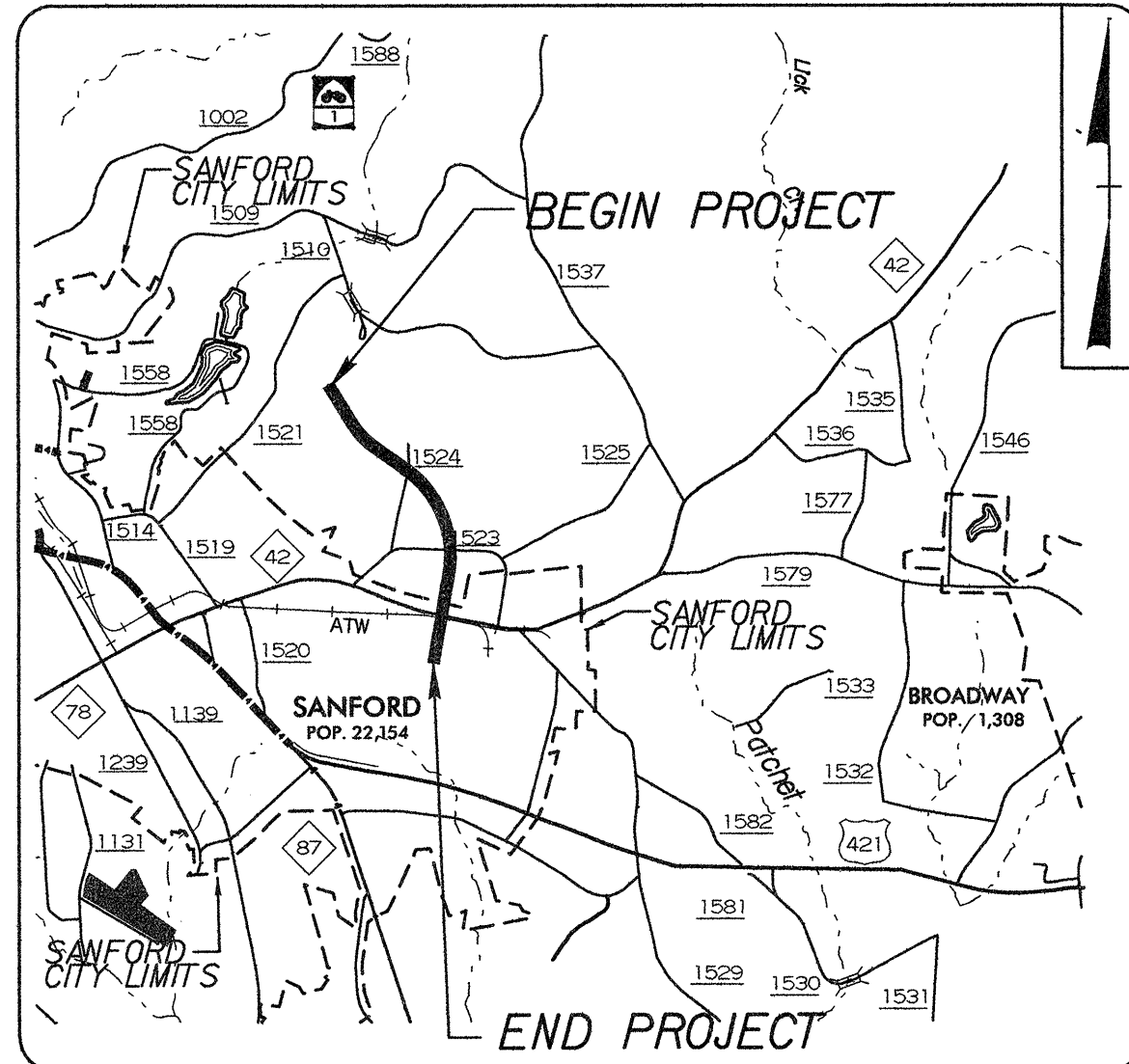


CONTRACT: C200895 TIP PROJECT: R-2417BB  
 9/09/99  
 SEP-2004 0842  
 R-2417bb\_Visit\44\Project\N-2417bb-RDY\_tsh.dgn  
 AP-Edgden AT-Edgden

See Sheet 1-A For Index of Sheets  
See Sheet 1-B For Symbology Sheet



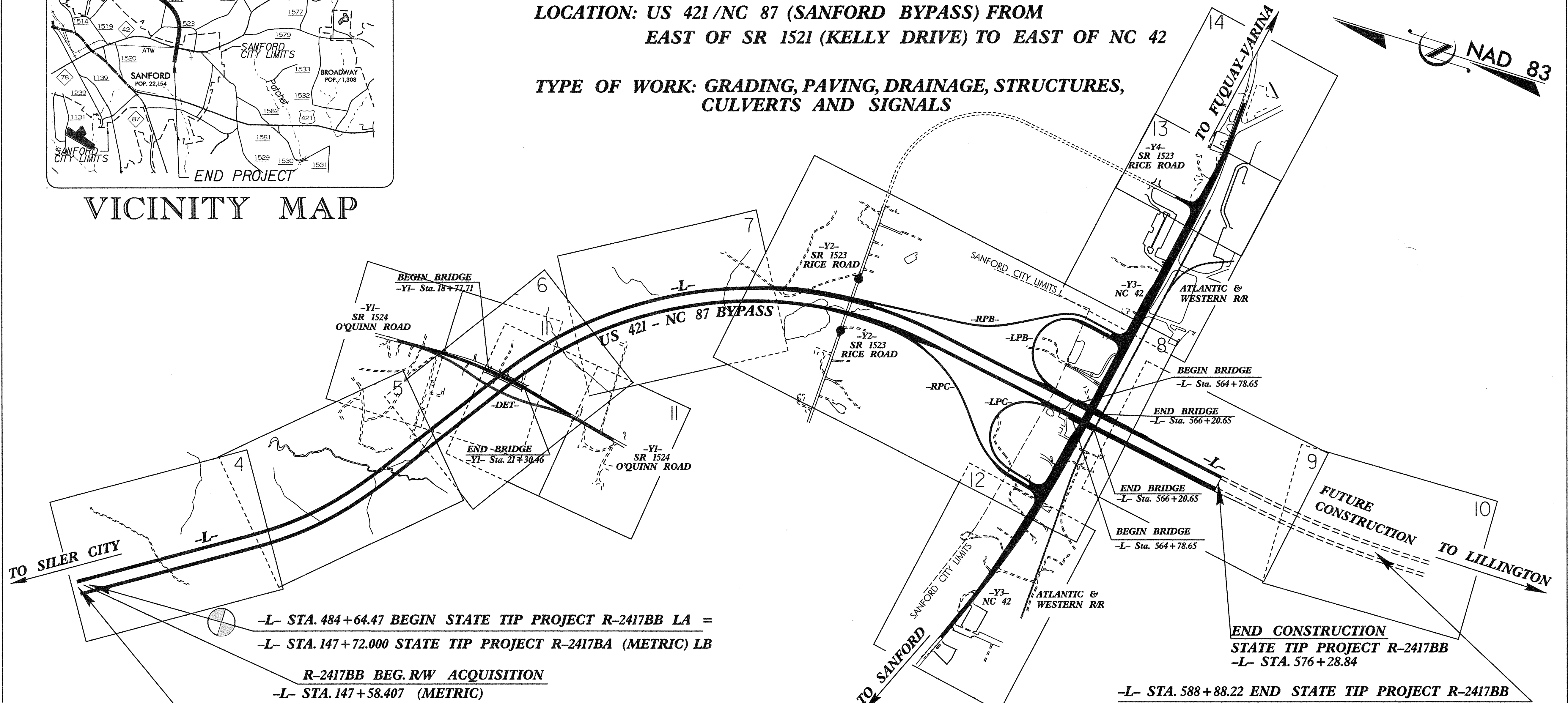
VICINITY MAP

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
**LEE COUNTY**

LOCATION: US 421 / NC 87 (SANFORD BYPASS) FROM  
EAST OF SR 1521 (KELLY DRIVE) TO EAST OF NC 42

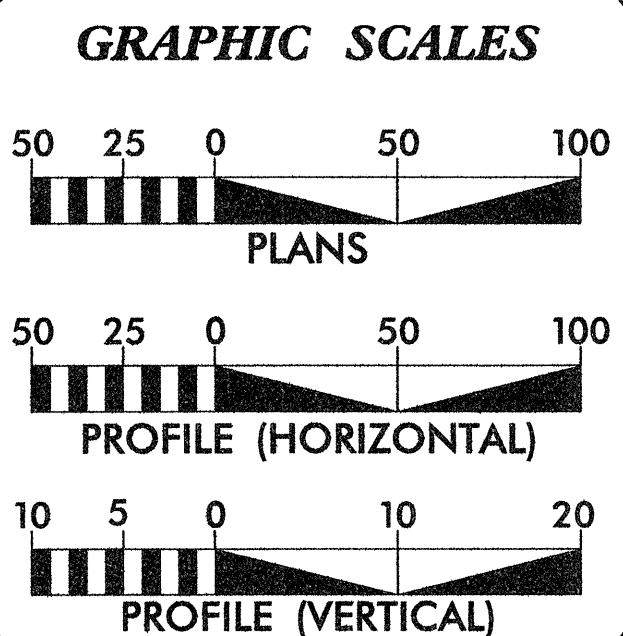
TYPE OF WORK: GRADING, PAVING, DRAINAGE, STRUCTURES,  
CULVERTS AND SIGNALS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2417BB	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34431.1.1	STPNHF-421(2)	PE	
34431.2.1	STPNHF-421(2)	RW, UTIL	
34431.3.6		CONST.	



-L- STA. 484+64.47 BEGIN STATE TIP PROJECT R-2417BB LA =  
 -L- STA. 147+72.000 STATE TIP PROJECT R-2417BA (METRIC) LB  
 R-2417BB BEG. RW ACQUISITION  
 -L- STA. 147+58.407 (METRIC)  
 -L- STA. 137+63.566 BEGIN CONSTRUCTION (METRIC)  
 (APPROXIMATE -L- STA. 451+55.96 (ENGLISH))

NOTE: THIS IS A CONTROLLED ACCESS PROJECT WITH ACCESS LIMITED TO INTERCHANGES



**DESIGN DATA**

ADT 2004 =	14820
ADT 2024 =	27120
DHV =	10 %
D =	60 %
T =	8 % *
V =	70 MPH
* TTST 3 %	DUAL 5 %

**PROJECT LENGTH**

LENGTH ROADWAY TIP PROJECT R-2417BB	= 1.947 MILES
LENGTH STRUCTURES TIP PROJECT R-2417BB	= 0.027 MILES
TOTAL LENGTH TIP PROJECT R-2417BB	= 1.974 MILES

SUNGATE DESIGN GROUP, P.A.  
915 JONES FRANKLIN ROAD  
RALEIGH, NORTH CAROLINA 27606  
TEL: 919-859-2245 FAX: 919-859-6288

Prepared for the North Carolina Department of Transportation in the Office of:

**WETHERILL ENGINEERING**  
4915 Waters Edge Dr. Suite 295  
Raleigh, N.C. 27606  
Bus: 919 851 8077 Fax: 919 851 8107

2002 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: MARCH 15, 2002  
LETTING DATE: NOVEMBER 16, 2004

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

**HYDRAULICS ENGINEER**

9/13/04  
SEAL 09334  
ENGINEER  
HENRY WELLS, P.E.

SIGNATURE: \_\_\_\_\_ P.E.

**ROADWAY DESIGN ENGINEER**

SEAL 21116  
ENGINEER  
BOB A. MAY, P.E.

SIGNATURE: \_\_\_\_\_ P.E.

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

STATE DESIGN ENGINEER  
DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

APPROVED DIVISION ADMINISTRATOR

DATE