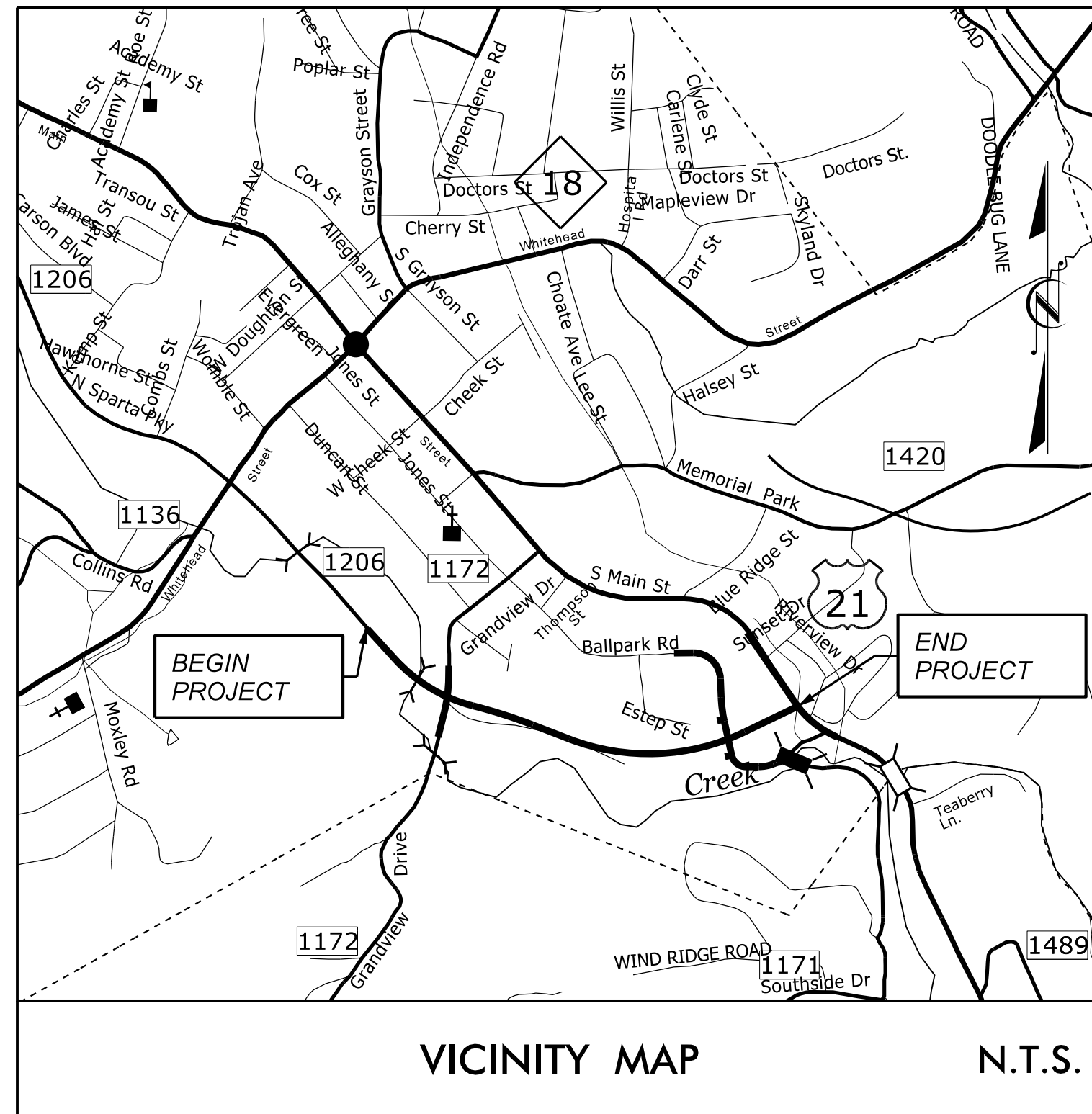


TIP PROJECT: R-4060

CONTRACT: C203821

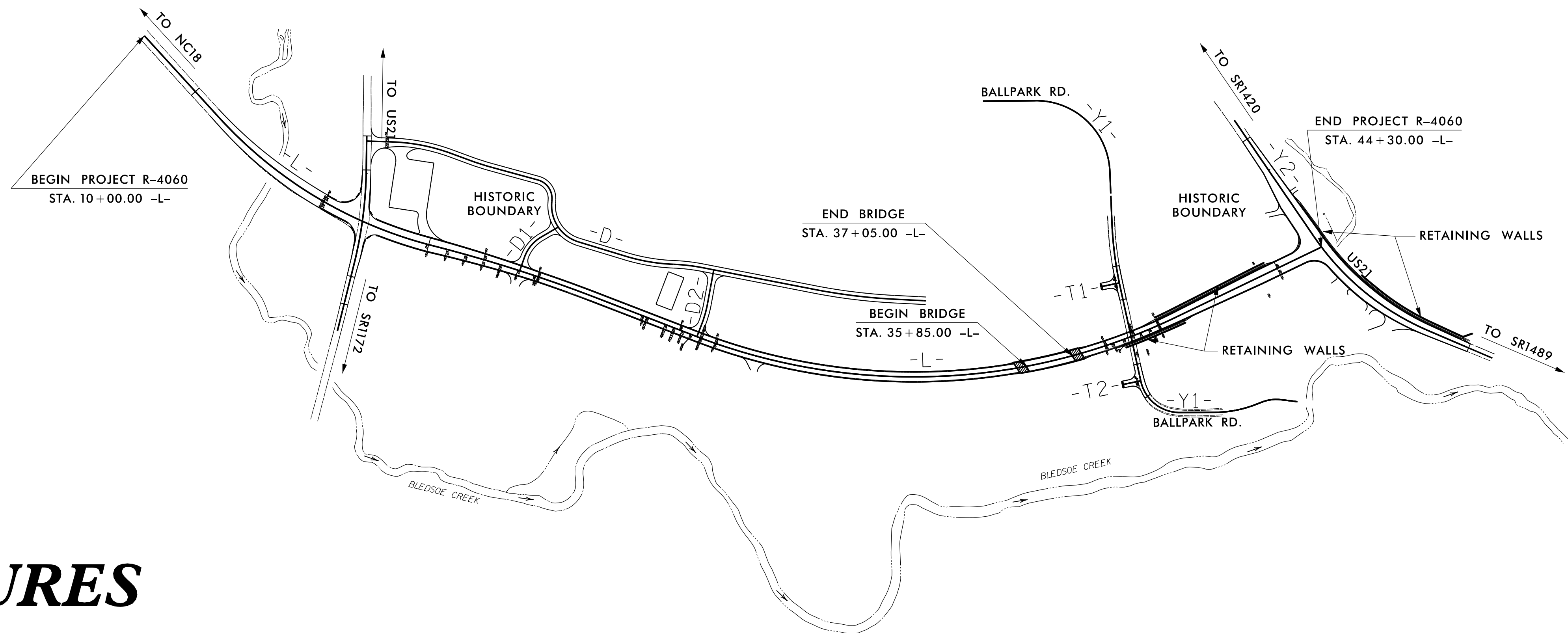
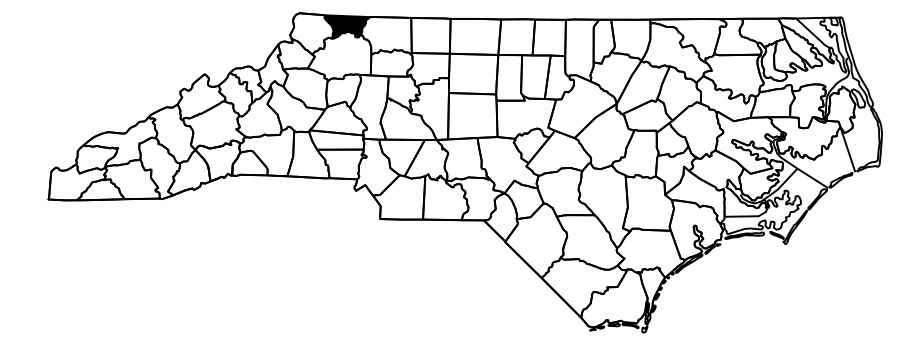


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

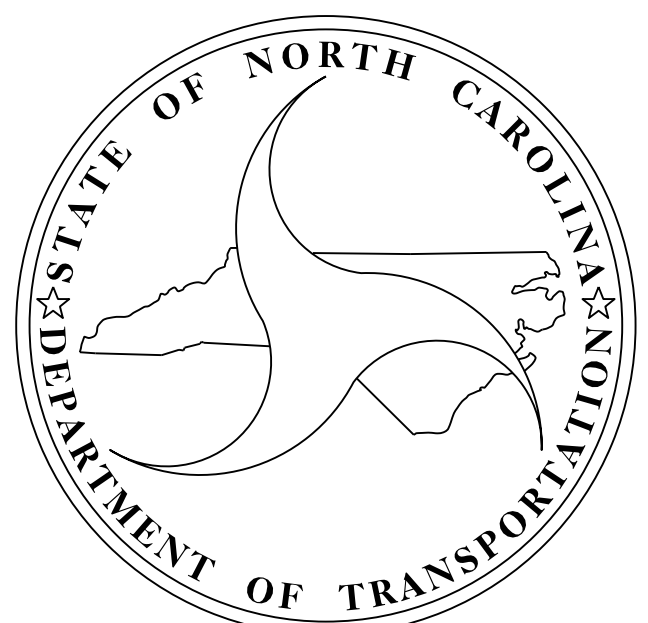
ALLEGHANY COUNTY

**LOCATION: SPARTA BYPASS FROM SR 1172 (GRANDVIEW DR.) TO
US 21 NEW LOCATION**
**TYPE OF WORK: GRADING, DRAINAGE, WIDENING, PAVING, AND
RETAINING WALLS**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-4060		
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34605.1.2	STP-21(10)	P.E.	
34605.2.1		ROW	
34605.2.RU1		UTIL.	
34605.3.2		CONST.	



STRUCTURES



DESIGN DATA
 ADT (2015) = 6,100
 ADT (2030) = 8,800
 DHV = 10%
 D = 55%
 T = 7% *
 V = 50 MPH
 * (TTST 2%, DUAL 5%)
 REGIONAL TIER DESIGN
 FUNC CLASS = RURAL COLLECTOR

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT R-4060 = 0.627 MILES
 LENGTH STRUCTURE TIP PROJECT R-4060 = 0.023 MILES
 TOTAL LENGTH TIP PROJECT R-4060 = 0.650 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
 STRUCTURES MANAGEMENT UNIT
 1000 BIRCH RIDGE DR.
 RALEIGH, N.C. 27610

2012 STANDARD SPECIFICATIONS
 LETTING DATE : AUGUST 16, 2016

D. R. CALHOUN, P.E.
 PROJECT ENGINEER

W. S. ARAFAT, P.E.
 PROJECT DESIGN ENGINEER