

09/28/15

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

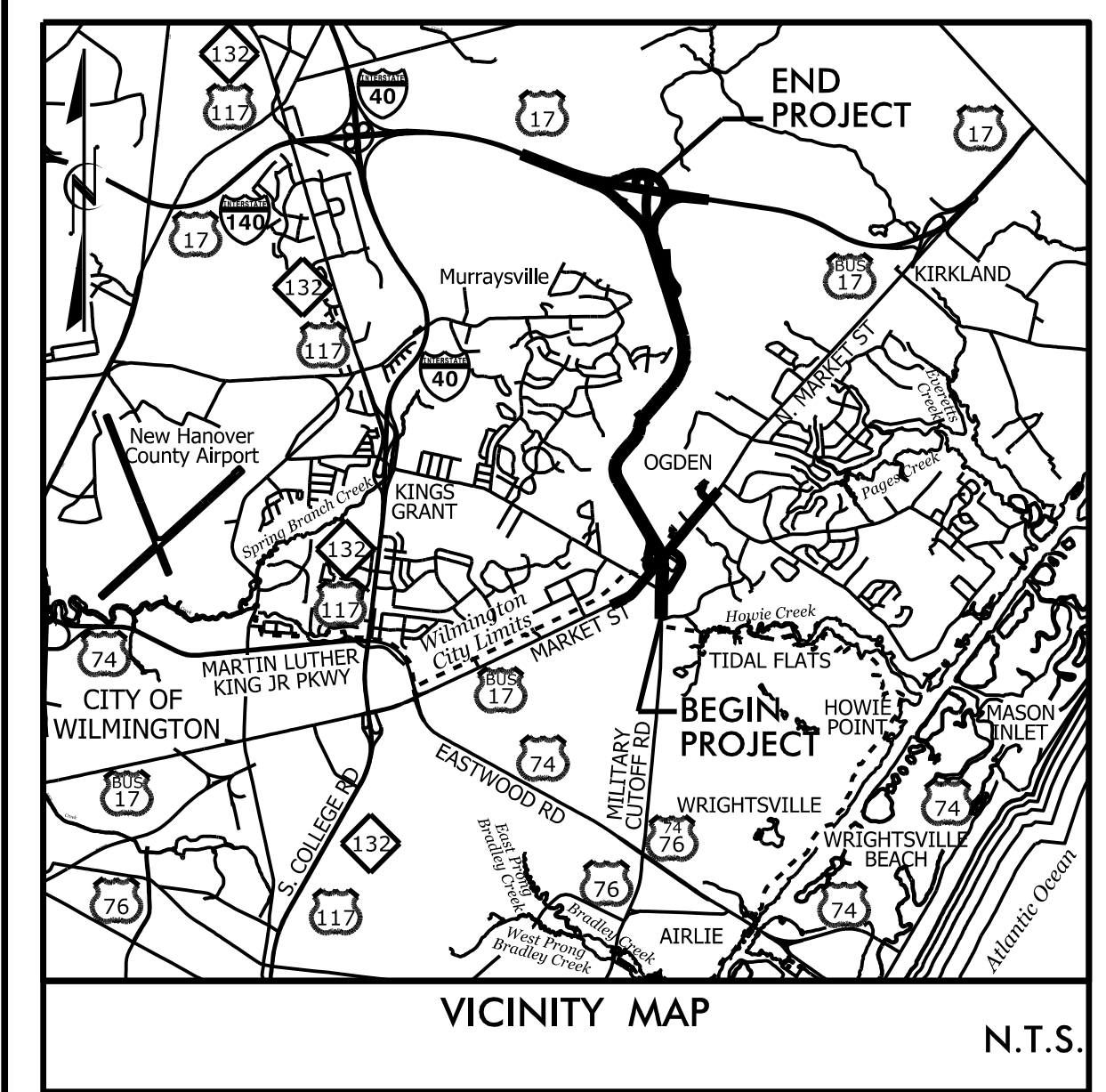
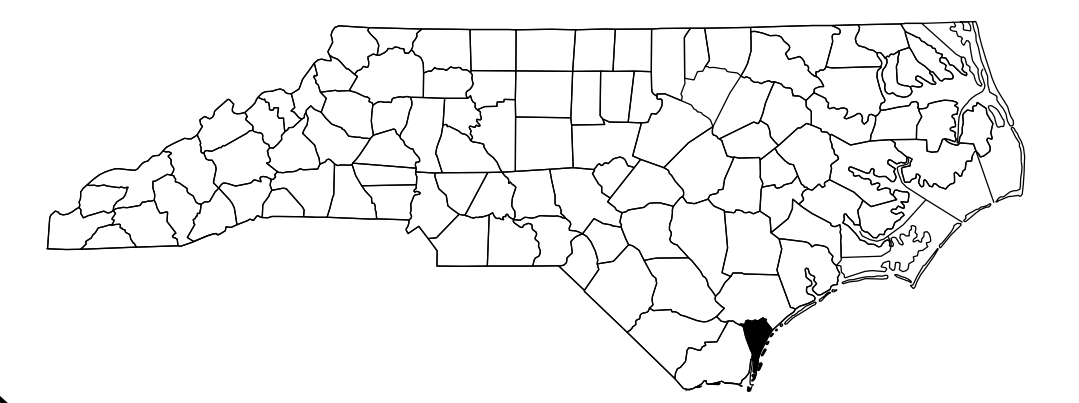
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-4751	1	34
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
40191.1.2		PE	

# UTILITY CONSTRUCTION PLANS

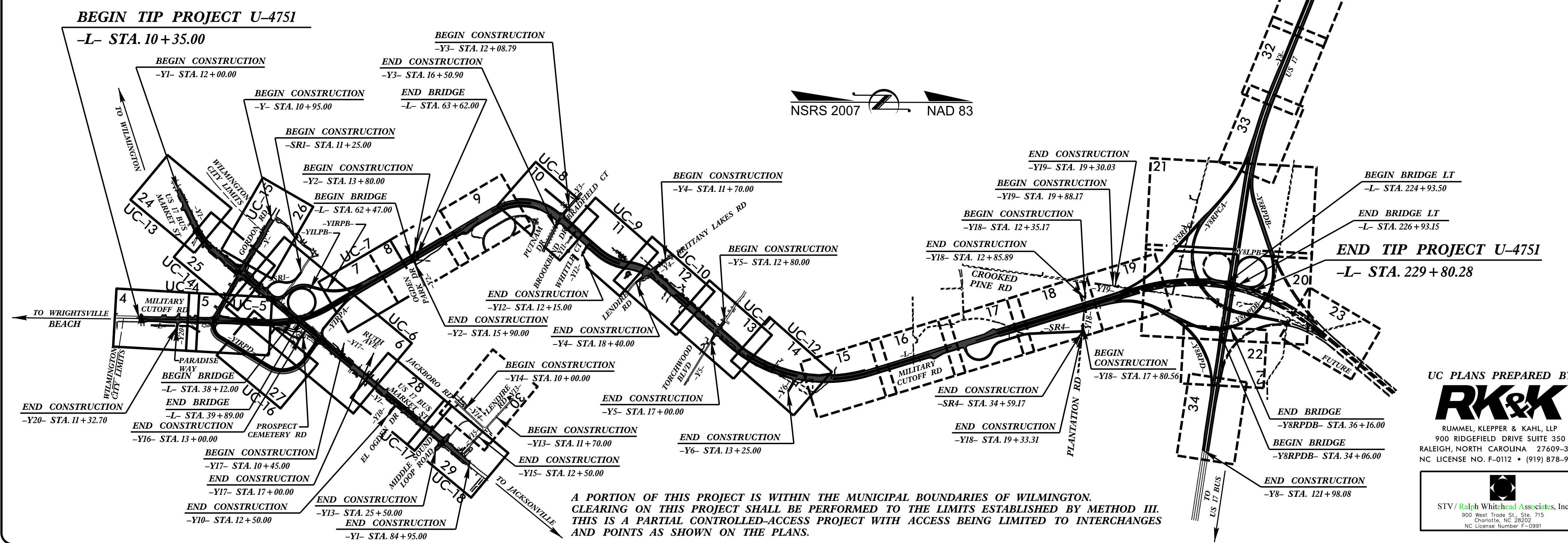
## NEW HANOVER COUNTY

LOCATION: SR 1409 (MILITARY CUTOFF ROAD) TO US 17 IN WILMINGTON  
TYPE OF WORK: RELOCATION OF WATER AND SANITARY SEWER LINES

INDICATES OMITTED SHEETS NO WATER AND SANITARY SEWER CONFLICTS SHEET 30 IS OMITTED IN THIS SET AS IT IS PROJECT U-4751A



TIP PROJECT: U-4751

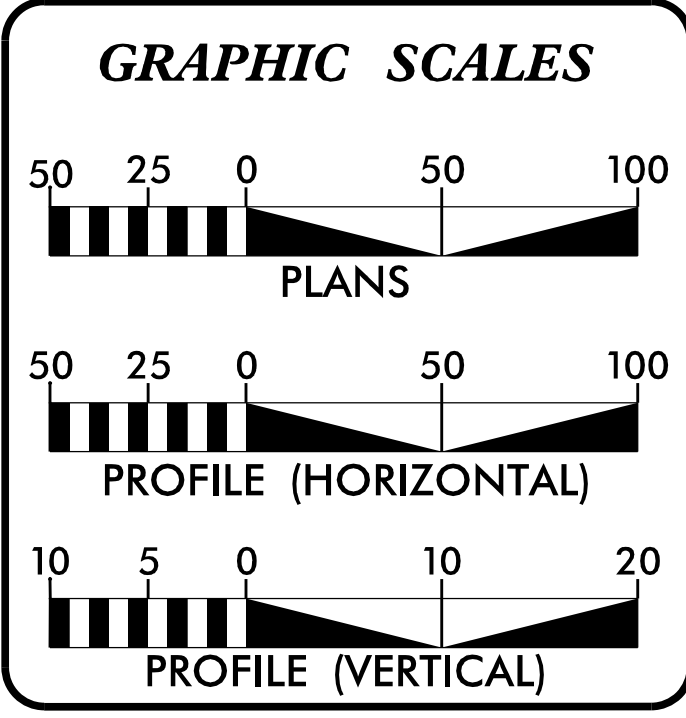


NSRS 2007 NAD 83

UC PLANS PREPARED BY:  
**RK&K**  
RUMMEL, KLEPPER & KAHL, LLP  
900 RIDGEFIELD DRIVE SUITE 350  
RALEIGH, NORTH CAROLINA 27609-3960  
NC LICENSE NO. F-0112 • (919) 878-9560

A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF WILMINGTON. CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III. THIS IS A PARTIAL CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES AND POINTS AS SHOWN ON THE PLANS.

CONTRACT:



**DESIGN DATA**

ADT 2016 =	22,600
ADT 2036 =	47,800
K =	12%
D =	60%
T =	7%*
V =	50 MPH
* (TTST=3%+DUAL 4%)	
FUNC CLASS =	ARTERIAL/FREEWAY
STATEWIDE TIER	

**SHEET INDEX**

UC-1	TITLE SHEET
UC-2	SYMBOLS
UC-3	PROJECT NOTES
UC-3a THRU UC-3e	DETAILS
UC-4 THRU UC-18	PLAN SHEETS
UC-19 THRU UC-29	PROFILE SHEETS

**UTILITY OWNER:**  
CAPE FEAR PUBLIC UTILITY AUTHORITY

NCDOT CONTACT: GARY LOVERING, PE  
Project Engineer, Roadway Design

PLANS PREPARED FOR THE NCDOT BY:  
**STV/RALPH WHITEHEAD ASSOCIATES, INC.**  
900 West Trade St., Ste. 715, Charlotte NC, 28202  
NC License Number F-0991

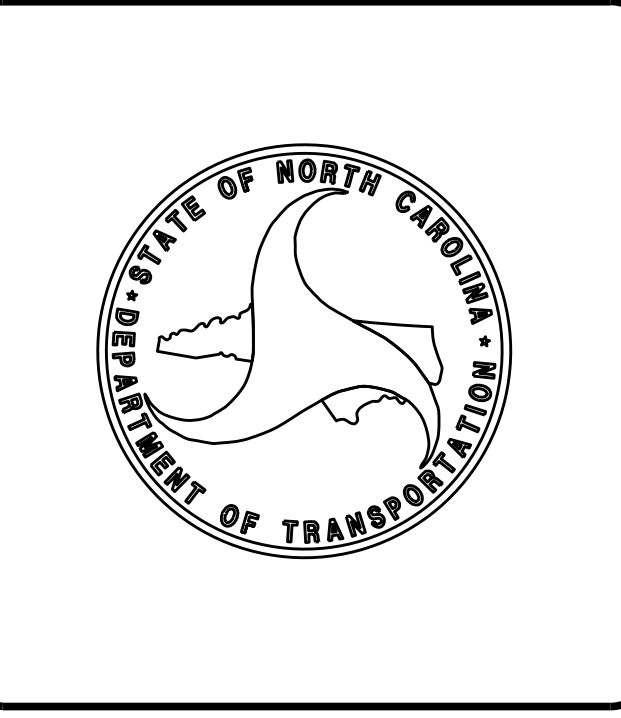
2012 STANDARD SPECIFICATIONS	
<b>RIGHT OF WAY DATE:</b> APRIL 17, 2015	<b>KIT A. PERSIANI, PE</b> PROJECT ENGINEER
<b>LETTING DATE:</b> OCTOBER 17, 2017	<b>SEAN C. STEPHENS, EI</b> PROJECT DESIGNER

**UTILITY ENGINEER**

**STV/Ralph Whitehead Associates, Inc.**  
900 West Trade St., Ste. 715  
Charlotte, NC 28202  
NC License Number F-0991

**Professional Engineer Seal:**  
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 32634  
BRYAN M. BADEY 10/17/2017

DocuSigned by: Bryan Badey P.E.



PRE-FDI PLANS  
10/17/2017