

SEE SHEET 1A FOR INDEX OF SHEETS  
 SEE SHEET 1B FOR CONVENTIONAL SYMBOLS  
 SEE SHEET 1C-1, 1C-2, AND 1C-3 FOR SURVEY CONTROL SHEETS

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS

**WATAUGA & ASHE COUNTIES**

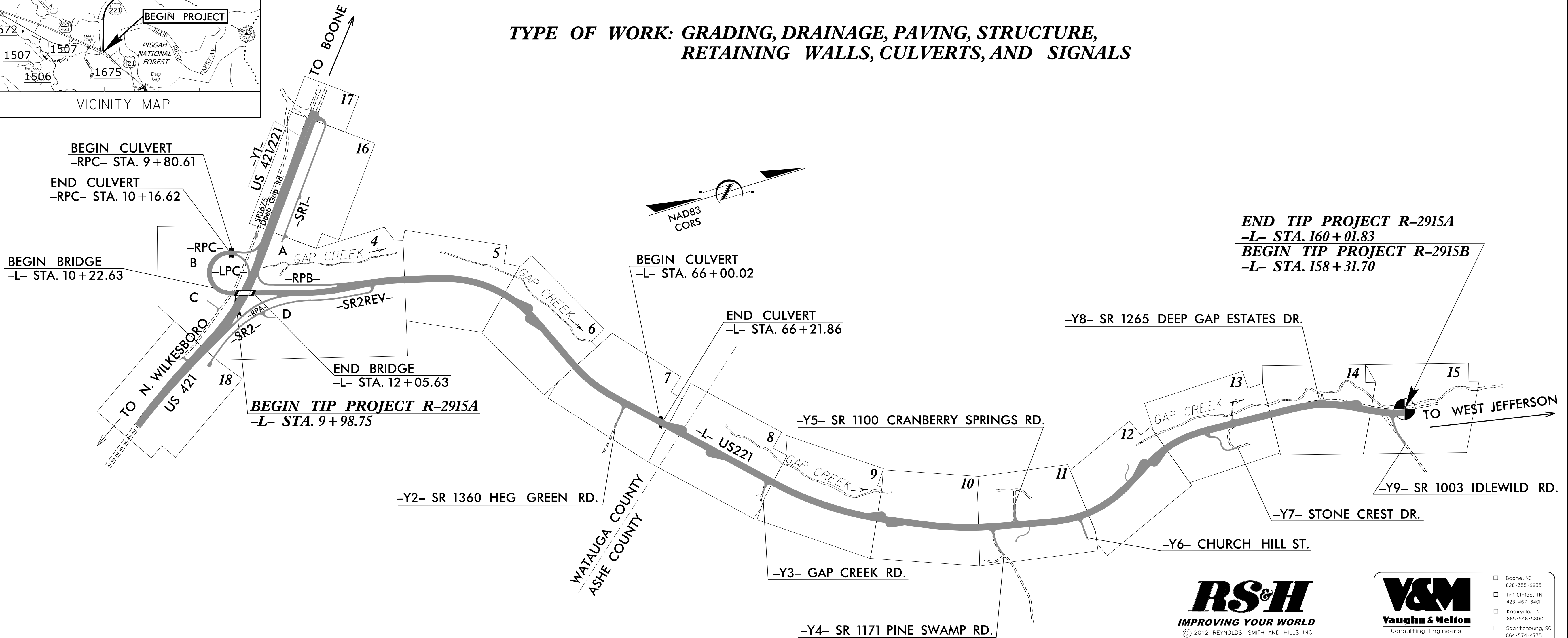
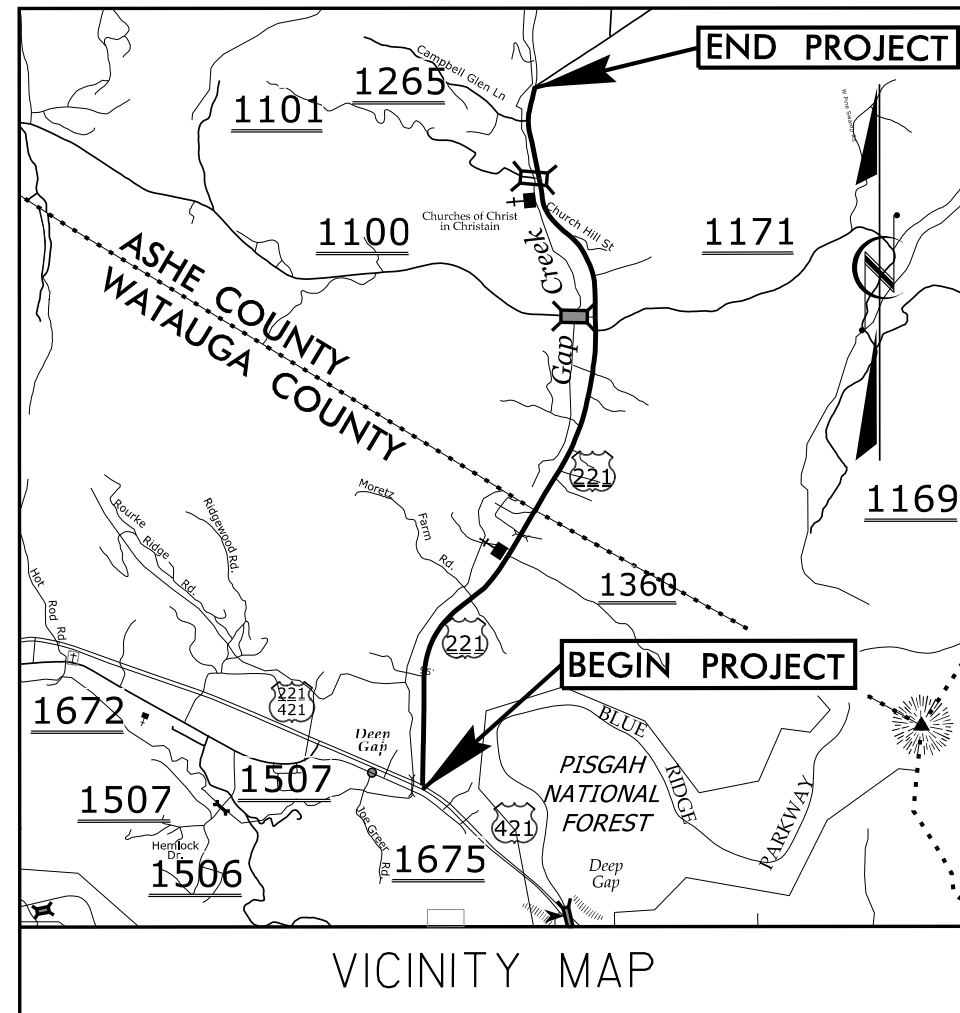
**LOCATION: US 221 FROM US 421 IN WATAUGA COUNTY TO SR 1003 (IDLEWILD RD) IN ASHE COUNTY**

**TYPE OF WORK: GRADING, DRAINAGE, PAVING, STRUCTURE, RETAINING WALLS, CULVERTS, AND SIGNALS**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2915A	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34518.1.2	STP-0221 (39)	P.E.	
34518.2.FR1	STP-0221 (39)	ROW	
34518.2.FR1	STP-0221 (39)	UTILITIES	
34518.3.6		CONST.	

**TIP PROJECT: R-2915A**

**CONTRACT: C203593**



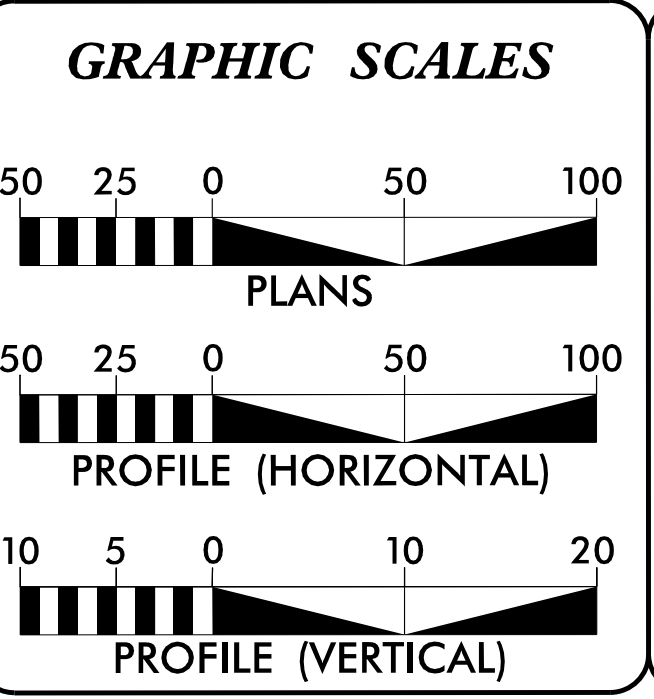
THIS IS A PARTIAL CONTROL OF ACCESS PROJECT WITH FULL CONTROL BEING LIMITED TO THE INTERCHANGE AT US 221 & US 421.

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**IMPROVING YOUR WORLD**  
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 Raleigh, NC 919-977-9455  
 Charlotte, NC 704-357-0488  
 Atlanta, GA 770-427-3509

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**DESIGN DATA**

ADT 2015 =	11970
ADT 2035 =	20400
K =	10 %
D =	65 %
T =	9 %
V =	60 MPH
*(TTST 2% + DUALS 7%)	
FUNC CLASS =	RURAL ARTERIAL STATEWIDE TIER

**PROJECT LENGTH**

LENGTH ROADWAY TIP PROJECT R-2915A	=	2.802 MI.
LENGTH STRUCTURES TIP PROJECT R-2915A	=	0.039 MI.
TOTAL LENGTH OF TIP PROJECT R-2915A	=	2.841 MI.

Prepared in the Office of:  
**VAUGHN & MELTON**  
 1318-F PATTON AVE.  
 ASHEVILLE NC, 28806  
 FOR NCDOT DIVISION OF HIGHWAYS

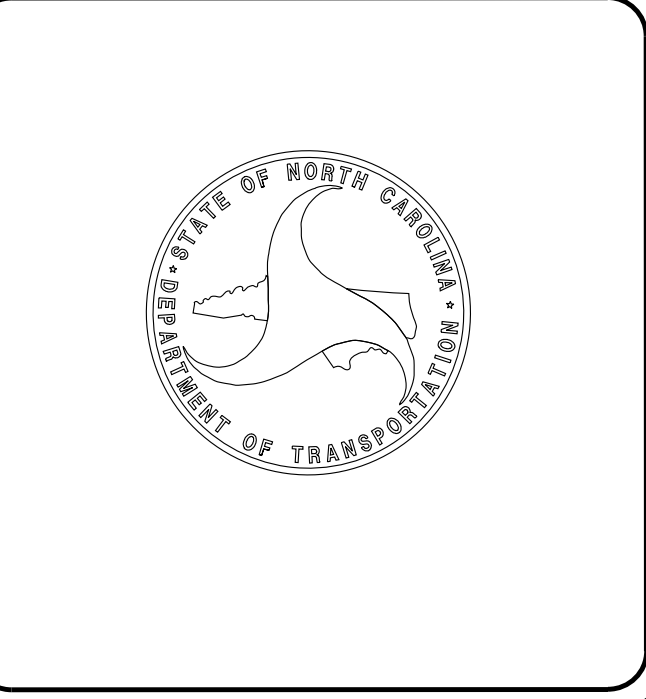
2012 STANDARD SPECIFICATIONS	REECE SCHULER, PE PROJECT ENGINEER
RIGHT OF WAY DATE: SEPTEMBER 30, 2013	AARON CARVER, PE PROJECT DESIGN ENGINEER
LETTING DATE: SEPTEMBER 15, 2015	NCDOT CONTACT: BRENDA MOORE, PE

**HYDRAULICS ENGINEER**

DocuSigned by:  
 Will Weatherbee  
 D:\OFFICE\2015\480  
 SIGNATURE: P.E. 8/4/2015

**ROADWAY DESIGN ENGINEER**

DocuSigned by:  
 Reece Schuler  
 1683\NCDOT\2015\480  
 SIGNATURE: P.E. 8/16/2015



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