

09/08/99

See Sheet 1A For Index of Sheets  
See Sheet 1B For Conventional Symbols  
See Sheet 1C-1 Thru 1C-5 For Survey Control Sheets

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**JACKSON COUNTY**

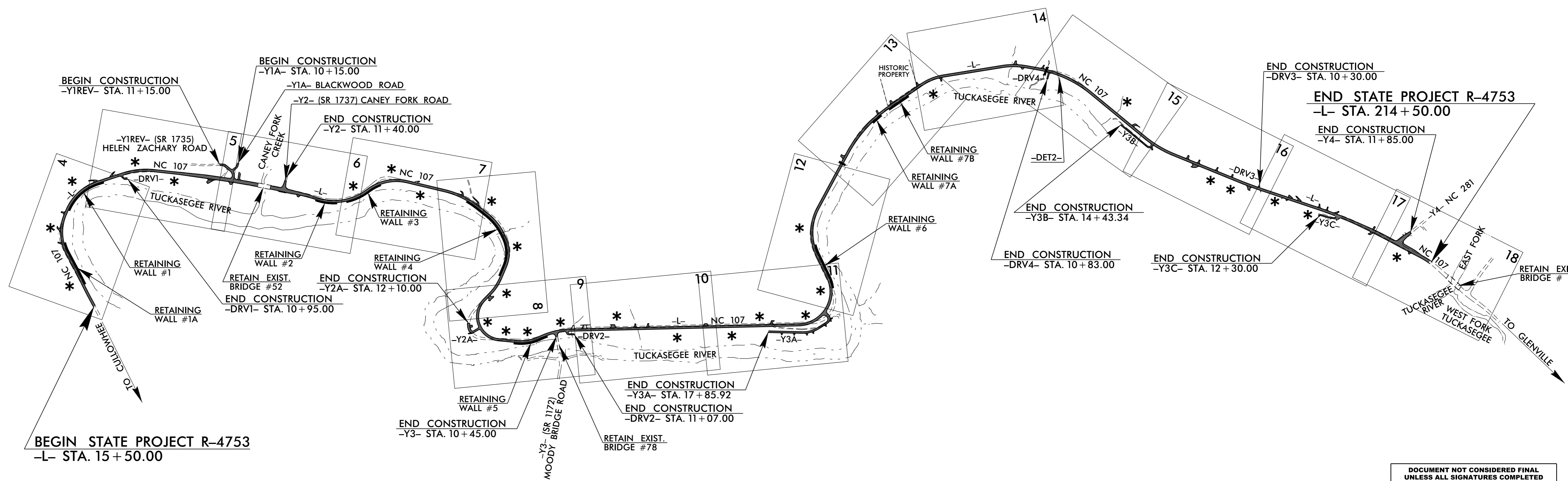
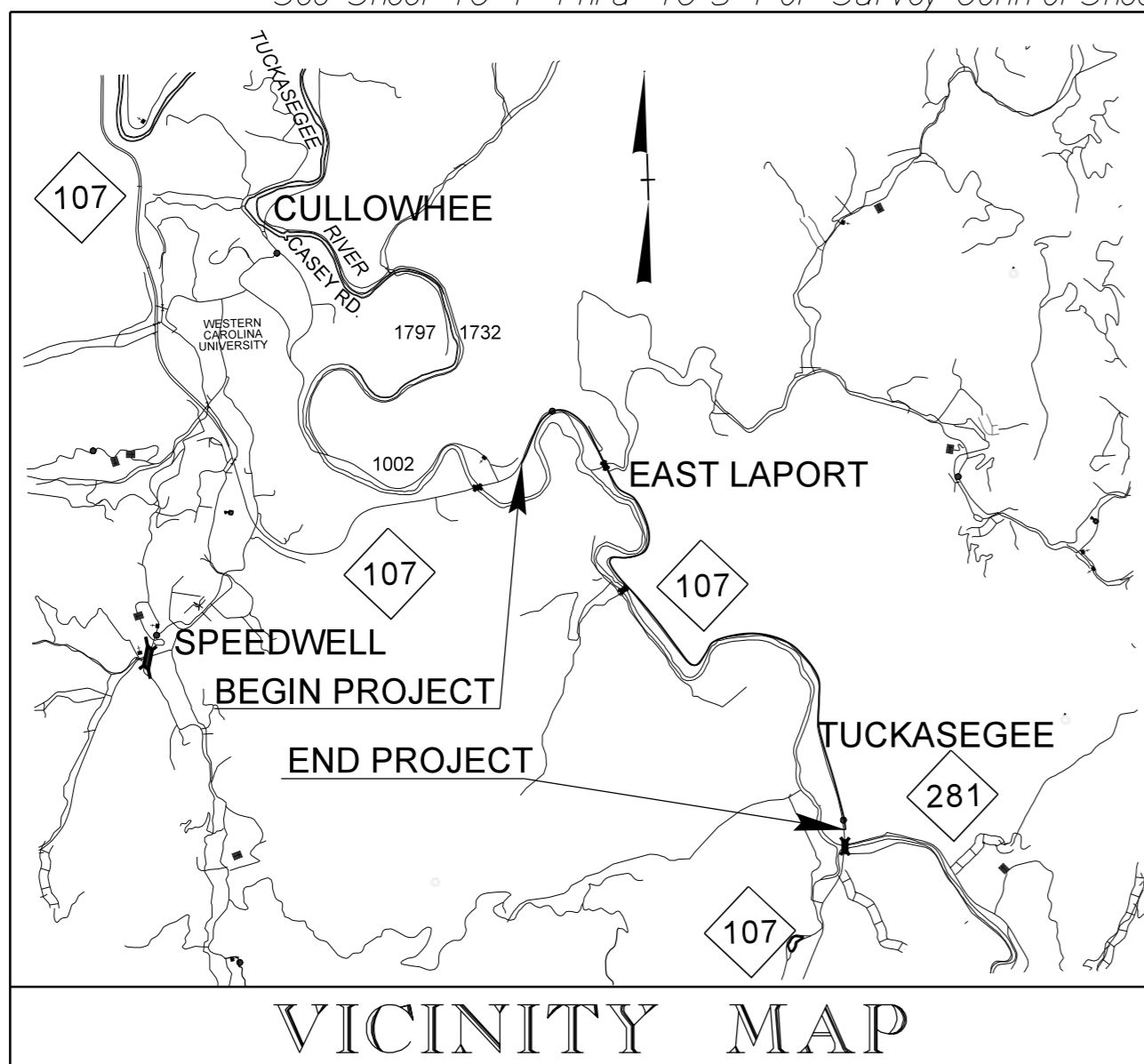
LOCATION: NC 107 FROM NORTH OF SR 1002 TO NC 281

TYPE OF WORK: GRADING, DRAINAGE, PAVING,  
RETAINING WALLS & CULVERTS

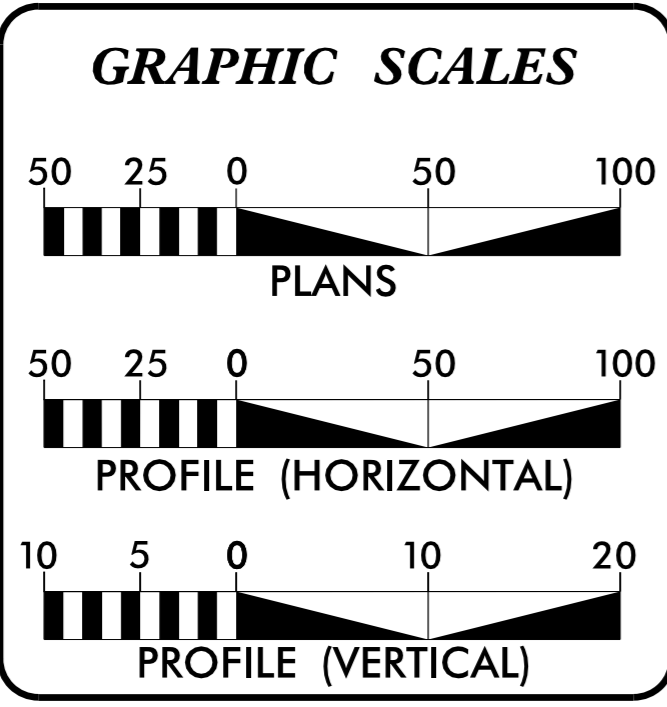
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-4753	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
39999.1.1	STP-0107(10)	P.E.	
39999.2.FR2	STP-0107(10)	RW & UTILITIES	
39999.3.3	STP-0107(10)	CONST.	

**TIP PROJECT: R-4753**

**CONTRACT: C203825**



\*DESIGN EXCEPTION REQUIRED FOR: DESIGN SPEED, HORIZONTAL CURVE RADIUS, SAG VERTICAL CURVE K, CREST VERTICAL CURVE K, AND VERTICAL AND HORIZONTAL STOPPING SIGHT DISTANCE.



**DESIGN DATA**

ADT 2016 =	6270
ADT 2035 =	8800
K =	10 %
D =	60 %
T =	9 % *
V =	40 MPH
* TTST =	2% DUAL = 7%
FUNC CLASS =	MINOR COLLECTOR
	"REGIONAL TIER"

**PROJECT LENGTH**

LENGTH ROADWAY TIP PROJECT R-4753 =	3.743 MILES
LENGTH EXISTING STRUCTURE #52 =	0.026 MILES
TOTAL LENGTH TIP PROJECT R-4753 =	3.769 MILES

Prepared in the Office of:  
**CDM Smith**  
CDM Smith Inc.  
5400 Glenwood Avenue  
Suite 400  
Raleigh, NC 27612-3228  
NC COA No. F-0412

FOR THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
2012 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:**  
MAY 29, 2015

**LETTING DATE:**  
JANUARY 17, 2017

**DAVID J. CLOGDO, P.E.**  
PROJECT ENGINEER

**KIT A. PERSIANI, P.E.**  
PROJECT DESIGN ENGINEER

**THAD F. DUNCAN, PE**  
NCDOT CONTACT

**HYDRAULICS ENGINEER**

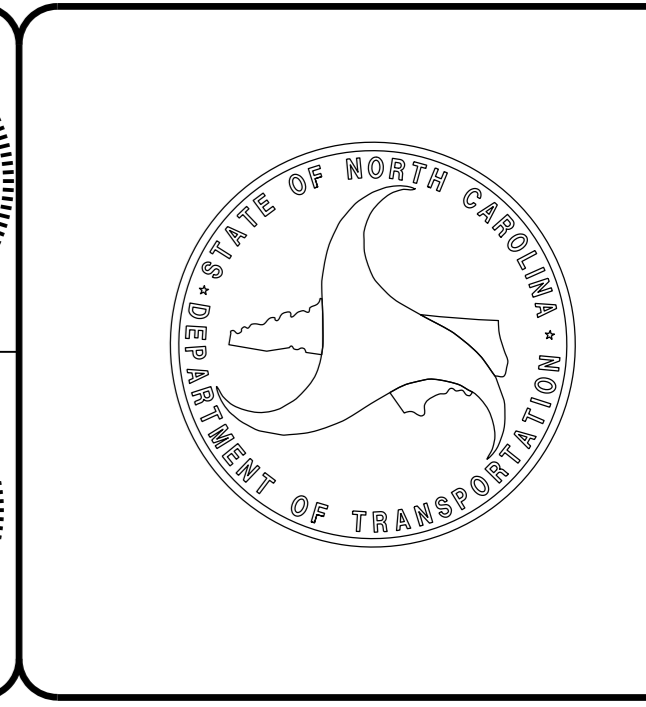
12/19/2016 PROFESSIONAL SEAL 022100  
STEPHEN R. MORGAN, P.E.

DocuSigned by:  
Stephen R. Morgan, PE  
SIGNATURE

**ROADWAY DESIGN ENGINEER**

12/19/2016 PROFESSIONAL SEAL 035683  
DAVID J. CLOGDO, P.E.

DocuSigned by:  
David J. Clogdo, PE  
SIGNATURE



-SYSTEM-  
\\Roadway\Proj\R4753\_Rdy\_tsh.dgn  
USER: CLOGDOJ