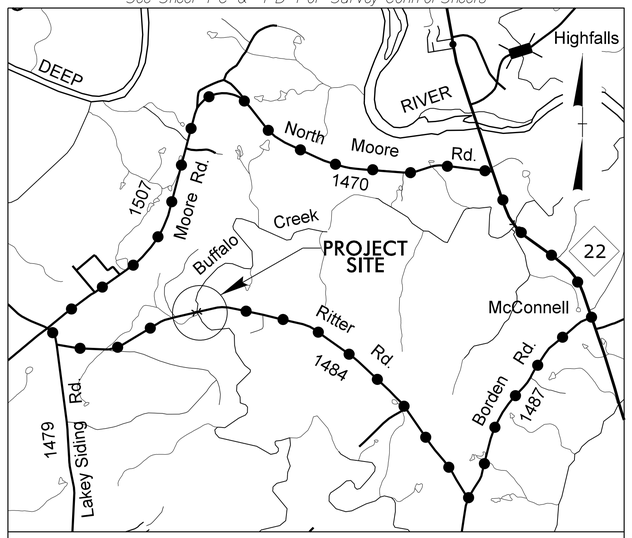
09/08/99

TIP PROJECT: B-5164

CONTRACT: C203397

See Sheet 1-A For Index of Sheets
See Sheet 1-B For Conventional Symbols
See Sheet 1-C & 1-D For Survey Control Sheets



VICINITY MAP

DETOUR ROUTE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

MOORE COUNTY

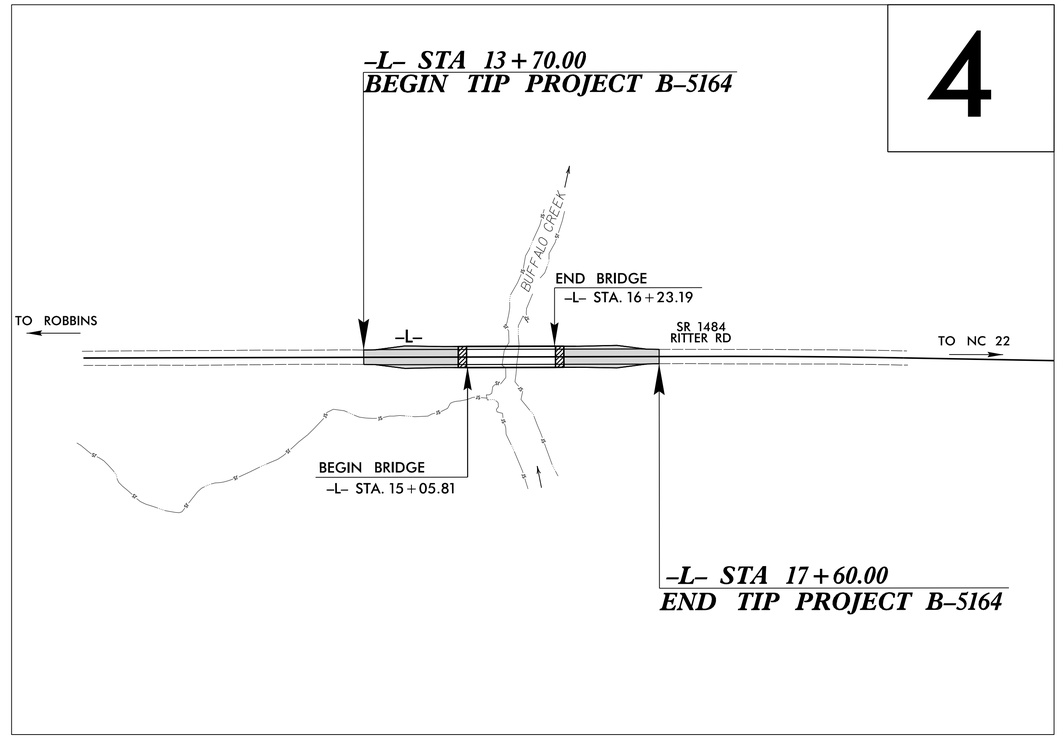
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5164	1	

STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
42340.1.1	BRZ-1484(2)	PE
42340.2.1	BRZ-1484(2)	R/W, UTIL
42340.3.FD1	BRZ-1484(2)	CONSTR.

LOCATION: BRIDGE NO. 178 OVER BUFFALO CREEK ON SR 1484

TYPE OF WORK: GRADING, DRAINAGE, PAVING AND STRUCTURE

4



NC GRID NAD 83 /CORS 96

** DESIGN EXCEPTION FOR SAG VERTICAL CURVE K VALUE AND VERTICAL STOPPING SIGHT DISTANCE

GRAPHIC SCALES

50 25 0 50 100
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

DESIGN DATA

ADT 2014 = 316
ADT 2034 = 396
DHV = 15 %
D = 60 %
T = 6 % *
V = 60 MPH
* (TTST =1% + DUAL 5%)
FUNC CLASS =
RURAL LOCAL
SUBREGIONAL TIER

PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT B-5164	=	0.052 MILES
LENGTH OF STRUCTURE TIP PROJECT B-5164	=	0.022 MILES
TOTAL LENGTH OF TIP PROJECT B-5164	=	0.074 MILES

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

PLANS PREPARED BY PARSONS
5440 Corporate Drive, Suite 317
Raleigh, NC 27616
Bus: 919-872-5757 / Fax: 919-851-2103
NC LICENSE NO. F-0260
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

SUNGATE DESIGN GROUP, P.A.
915 JONES FRANKLIN ROAD
RALEIGH, NORTH CAROLINA 27606
TEL (919) 859-2243 FAX (919) 859-2325
ENGINEERING NO. C-0910

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
JANUARY 18, 2013
LETTING DATE:
MAY 20, 2014

TIM D. GOINS, PE
PROJECT ENGINEER

DAVID GARRETT
PROJECT DESIGN ENGINEER

NCDOT CONTACT:
BRENDA L. MOORE, PE
ROADWAY DESIGN: ENGINEERING COORDINATION SECTION ENGINEER

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 009334 ENGINEER W. HENRY WELLS, JR.

3/6/2014

DocuSigned by: W. Henry Wells, Jr. PE
SIGNATURE:

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 37874 ENGINEER TIMOTHY D. GOINS

3/5/2014

DocuSigned by: Tim D. Goins, PE
SIGNATURE:

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

05-MAR-2014 12:07
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$$$$USERNAME$$$$