PLANS PREPARED BY :
PARSONS
RALEIGH, NORTH CAROLINA, (919) 854-1345
NC LICENSE NO. F-0246
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) 859-8258
ENG FIRM LICENSE NO. C-890

PROJECT REFERENCE NO.	SHEET NO.
B-5164	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 37874 ENGINEER TIMOTHY D. GOINS
3/13/2014
DocuSigned by: Jim D. Goins, PE
AC8C052B032A4EB...

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 009334 ENGINEER W. HENRY WELLS, JR.
3/13/2014
DocuSigned by: W. Henry Wells, Jr., PE
AB80864F9E1A4EB...

NC GRID NAD 83 /CORS 96

-L-
PI Sta 19+52.83
Δ = 1° 10' 17.6" (RT)
D = 0° 27' 00.1"
L = 260.34'
T = 130.17'
R = 12,732.00'
SE = NC
RUNOFF = N/A

NOTE: PROPERTY LINE RUNS WITH CENTER OF BUFFALO CREEK

BEGIN TIP PROJECT B-5164
-L- POT STA 13+70.00

END TIP PROJECT B-5164
-L- POT STA 17+60.00

15+00

20+00

-L- POT Sta. 10+00.00

-L- PC Sta. 18+22.65

-L- PT Sta. 20+82.99

-L- POT Sta. 23+84.21

1
JOANIE COX,
ANNA YEARGIN,
& KINZA ROBBINS
DB 3701 PG 345
DB 1076 PG 96

2
DAVID & BROOKE MYRICK
DB 1731 PG 320
PC 8 SLIDE 340

3
WILEY JR. & OLEEN RITTER
DB 390 PG 275

EXISTING BRIDGE TO BE REMOVED

BRIDGE NO. 178
WOOD & STEEL BRIDGE
W/ PAVED DECK

EXCAVATE EXISITNG ROAD FILL TO NATURAL GROUND STRUCTURE PAY ITEM

EXCAVATE EXISITNG ROAD FILL TO NATURAL GROUND STRUCTURE PAY ITEM

CL 'II' RIP RAP TO ELEV=340.1 STRUCTURE PAY ITEM

CL 'B' RIP RAP EST. 1 TON EST. 5 SY GF

15" W/ 2 ELBOWS

15" RCP-IV

TB-2GI

TB-2GI

SBG FROM APPROACH SLAB TO STA. 16+50 -L- LT & RT

SOIL PATH USED FOR CATTLE CROSSING UNDER BRIDGE

CL 'II' RIP RAP TO ELEV=340.1 STRUCTURE PAY ITEM

HIGH WATER MARK FROM FIELD OBSERVATION 6-30-11 ELEV = 333.50'

+80.00 -L- 30.00' LT. 45.00' LT

+30.00 -L- 30.00' LT. 45.00' LT.

+33.00 -L- 30.00' RT.

+60.00 -L- 30.00' RT. 45.00' RT.

+55.00 -L- 30.00' RT. 45.00' RT.

+95 18.9'

+95 34.4'

+34 30.7'

+34 36.5'

+63.77 31.37

+63.77 30.48

N 23°27'02" W 76.78'

S 02°51'34" E 229.37'

S 03°32'30" W 150.42'

S 34°31'33" E 63.04'

BM #1

BM #2

-BL-101

-BL-102

B5164-1

WOODS

PASTURE

EXISTING R/W

RETAIN

25' TAPER

25' INC. (TYP.)

4' 4 S BW

SR 1484 RITTER RD
19' PAVED ROADWAY

TO ROBBINS

TO NC 22

N 76° 43' 12.8" E

N 77° 53' 30.4" E

WOOD END

BUFFALO CREEK

NOTE: PROPERTY LINE RUNS WITH CENTER OF BUFFALO CREEK

BEGIN BRIDGE
-L- STA.15+05.81

BEGIN APP.SLAB
-L- STA.14+94.81

15+00

END BRIDGE
-L- STA.16+23.19

END APP.SLAB
-L- STA.16+34.19

GRAU 350 TL-3

TYPE-III

3'-11"

10'

27'-10" F/F

SBG

SKETCH SHOWING BRIDGE/PAVEMENT RELATIONSHIP
NTS

FOR -L- PROFILE SEE SHEET 5
FOR STRUCTURE PLANS SEE SHEETS S-1 THROUGH S-20

REVISIONS

8/17/99

12-MAR-2014 17:14
R:\Roadway\Proj\B-5164_Rdy_psh_04.dgn
$$USERNAME$$