23+00 24+00 25+00 26+00 27+00

(+)0.4110% (-)0.6353%

PI = 24+25.00 -L-
EL. 58.90'
VC = 164'

GRADE DATA

(-)0.6353% (-)0.4290%

PI = 26+00.00 -L-
EL. 57.79'
VC = 186'

GRADE DATA

70 60 50 40

SPAN A SPAN B SPAN C

FILL FACE @ END BENT 1
STA. 23+50.00 -L-
GRADE PT. EL. 58.59

BEGIN FRONT SLOPE
STA. 23+40.21 -L-
GRADE PT. EL. 58.55

FIX. FIX. FIX. FIX.

EXISTING STRUCTURE (TYP.)

WS EL. 47.9
2/27/2020

Q100 EL. 56.4

1'-0" MIN.
EARTH BERM (TYP.)

LOW CHORD
EL. 54.33

LOW CHORD
EL. 54.10

FILL FACE @ END BENT 2
STA. 25+10.00 -L-
GRADE PT. EL. 58.36

BEGIN FRONT SLOPE
STA. 25+19.75 -L-
GRADE PT. EL. 58.30

1'-7" BERM (TYP.)

EL. ±58.0 EL. 57.0± EL. 54.0± EL. 54.0± EL. 54.0± EL. 54.0± EL. ±57.0 EL. 58.0±

EL. 58.0± EL. 57.0±

APPROXIMATE NATURAL GROUND

1'-0" (TYP.)

1½: 1 SLOPE (TYP.)

CLASS II RIP RAP (TYP.)

EL. 49.0± EL. 46.0± EL. 46.0± EL. 42.0± EL. 43.0± EL. 44.0±

PP 18 X 0.50 GALVANIZED STEEL PILES (TYP. EA. BENT)

EL. 46.0± EL. 49.0±

EXCAVATE TO EL. 48.0 (GRADE TO DRAIN) (TYP.)

HP 12X53 STEEL PILES (TYP. EA. END BENT)

END BENT 1 (INTEGRAL) BENT 1 BENT 2 END BENT 2 (INTEGRAL)

UNCLASSIFIED STRUCTURE EXCAVATION

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

SECTION ALONG -L-

WOODS

CLASS II RIP RAP (TYP.)

BILL'S SWAMP

WOODS

1'-0" MIN. EARTH BERM EL. 49.19 (LEVEL)

1'-0" MIN. EARTH BERM EL. 48.96 (LEVEL)

BENT 1 CONTROL LINE

BRIDGE I.D. STA. 24+30.00 -L-

BENT 2 CONTROL LINE

TO SR 1259

FILL FACE @ END BENT 1

W.P. #1
STA. 23+50.00 -L-

W.P. #3
STA. 24+60.00 -L-

FILL FACE @ END BENT 2

W.P. #4
STA. 25+10.00 -L-

-L-

BEGIN APPROACH SLAB
STA. 23+25.83 -L-

BEGIN FRONT SLOPE
STA. 23+40.21 -L-

END APPROACH SLAB
STA. 25+34.17 -L-

BEGIN FRONT SLOPE
STA. 25+19.75 -L-

TO SR 1157

W.P. #2
STA. 24+00.00 -L-

90°-00'-00" (TYP.)

EXISTING STRUCTURE (TYP.)

1'-7" BERM (TYP.)

WOODS

WOODS

30'-0"

ROCK PLATING (ROADWAY DETAIL & PAY ITEM)

50'-0" SPAN A | 60'-0" SPAN B | 50'-0" SPAN C

TOTAL BRIDGE LENGTH = 160'-0" (FILL FACE TO FILL FACE)

PLAN

(PILES NOT SHOWN IN PLAN VIEW FOR CLARITY)

NORTH CAROLINA PROFESSIONAL SEAL 29441 ENGINEER KRISTY W. ALFORD
DocuSigned by: F2458B8B309F40E...
10/10/2023

NORTH CAROLINA PROFESSIONAL SEAL 26445 ENGINEER P. KOREY NEWTON
DocuSigned by: P. Korey Newton 4FFE39DF43184D7...
10/09/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT NO. BR-0046

SAMPSON COUNTY

STATION: 24+30.00 -L-

SHEET 1 OF 4 REPLACES BRIDGE #810022

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE ON US 701 OVER GREAT COHARIE CREEK OVERFLOW BETWEEN SR 1259 & SR 1157

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-1
1			3			TOTAL SHEETS
2			4			31

DRAWN BY : S. T. SANDOR DATE : 7/26/22
CHECKED BY : D. SHACKELFORD DATE : 2/7/23
DESIGN ENGINEER OF RECORD: P.D. BRYANT DATE : 9/5/23

10/9/2023
R:\Structures\Plans\401_001_BR-0046_SMU_GD_S-1_810022.dgn
pknewton