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8/17/99

REVISIONS

9242019 - ROW REVISION NO. 1 - PUE REMOVED FROM PARCELS 1 AND 2

SHOULDER BERM GUTTER
FROM STA. 14+67.81 TO STA. 14+81.94 LT.
FROM STA. 14+67.81 TO STA. 14+81.94 RT.

15+00

20+00

BEG. APPROACH SLAB
-L- STA. 14+81.94
TYPE III 5'-5" 1'-1"
END BRIDGE
-L- STA. 16+00.19
TYPE III 5'-5"
5'-5" TYPE III 5'-5" 1'-1" TYPE III 5'-5"
BEGIN BRIDGE
-L-
STA. 14+92.81
END APPROACH SLAB
-L- STA. 16+11.06
SKETCH SHOWING BRIDGE/PAVEMENT RELATIONSHIP

WETHERILL ENGINEERING
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
Liscense No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| BR-0121 | 4 |
| R/W SHEET NO. | |

ROADWAY DESIGN ENGINEER 2/19/2020
NORTH CAROLINA PROFESSIONAL SEAL 022999 ENGINEER GREG S PURVIS
Greg S. Purvis

HYDRAULICS ENGINEER 2/19/2020
NORTH CAROLINA PROFESSIONAL SEAL 15833 ENGINEER JERRY L LINDLEY
Jerry L. Lindley

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-L- POT Sta. 10+00.00

-L- POT Sta. 20+98.34

2 PATRICIA W. WARREN DB 1344 PG 844

1 WARREN FARMING CO. DB 1560 PG 457

REMOVE REMNANT OF BLOCK WALL AND CONCRETE DEBRIS. CLASS II RIP RAP TO SHOULDER +/- ELEV. 130.8

PROPOSED EXCAVATION (STR. PAY ITEM)

CL II RIP RAP TO SHOULDER +/- ELEV. 130.8'

+52.00 EX.R/W, 40.00' LT

+15.00 EX.R/W, 40.00' LT

ABANDONED MILL HOUSE

RUBBLE

ISMTLB

WARREN FARMING CO. DB 1560 PG 457

Duke Energy Progress

6' CHA LINK

SILO

CONC BLDG

MTL SHED

BRK SHED

CONC DEBRIS

CONC STEPS

RUINS

ABANDONED (2)

12" RCP

24" RCP

18" RCP

AT-1

BRIDGE #178

BR0121-1

SR 1804 (HOUSES MILL RD)

SR 1846 (SEVEN CHURCH MILE RD)

SR 1845 (ROSIN HILL RD)

18' BST

N 14°43'48.1" W

GREU TL-3

CL B RIP RAP 1 TON 5 SY GEO (0401) (0402)

CL II RIP RAP TO SHOULDER +/- ELEV. 130.8' (STR. PAY ITEM)

RETAIN

ABANDONED WATERLINE

Century Link STAR VISION

6 " HDPE, SAMPSON CO. PUBLIC UTILITIES

Century Link

6 " HDPE, SAMPSON CO. PUBLIC WORKS

DRAINAGE TO SEVENMILE SWAMP

SEVENMILE SWAMP

WOODS

SOIL & GRAVEL

EXISTING R/W

22' TYP.

50' TAPER

BEGIN NCDOT PROJECT BR-0121
-L- POT STA. 13+10.00

END NCDOT PROJECT BR-0121
-L- POT STA. 18+33.50

BM2

NC GRID NAD 83 NA 2011

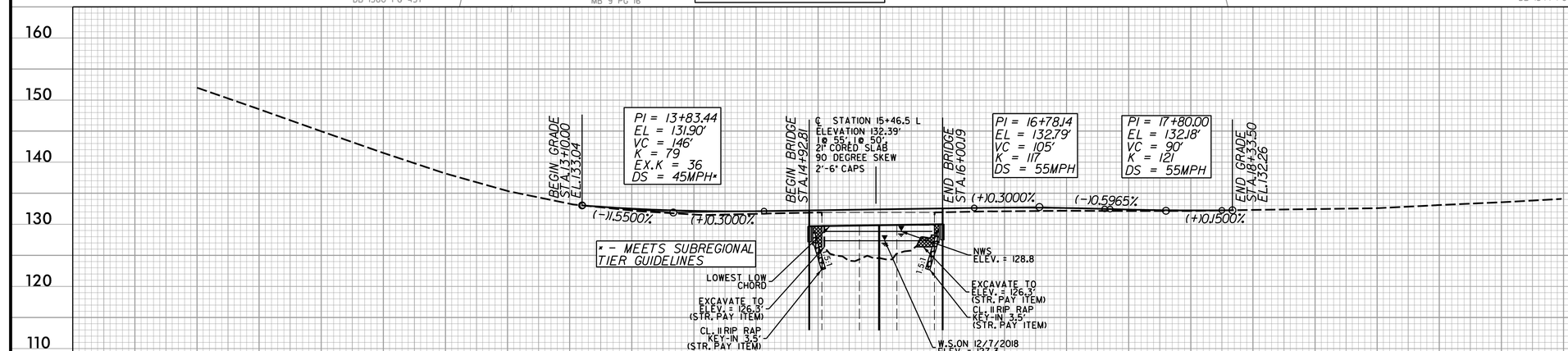
SEE SHEETS S-1 THRU S-18 FOR STRUCTURE PLANS

WARREN FARMING CO. DB 1560 PG 457

STATE OF NORTH CAROLINA DB 1567 PG 211 MB 9 PG 16

NOTE: DO NOT DISTURB THIS PARCEL.
GREAT COHARIE CONSERVATION PROPERTY - HQP WETLAND MITIGATION SITE

LINDA W. WHITFIELD DB 1344 PG 839




BRIDGE HYDRAULIC DATA

| | | | |
|---|---|---|---|
| DESIGN DISCHARGE | = | 1400 | CFS |
| DESIGN FREQUENCY | = | 25 | YRS |
| DESIGN HW ELEVATION | = | 129.8 | FT |
| BASE DISCHARGE | = | 2100 | CFS |
| BASE FREQUENCY | = | 100 | YRS |
| BASE HW ELEVATION | = | 130.5 | FT |
| OVERTOPPING DISCHARGE | = | 3300+/- | CFS |
| OVERTOPPING FREQUENCY | = | 500+ | YRS |
| OVERTOPPING ELEVATION | = | 132.1 | FT |
| DATE OF SURVEY | = | 12/7/18 | |
| W.S.ELEVATION AT DATE OF SURVEY | = | 127.3 | FT |

BM1 ELEVATION = 128.83
N 523609 E 2186715
L STATION 16+01.32 73.07 RIGHT
BENCHTIE NAIL IN 14" HARDWOOD

BM2 ELEVATION = 130.17
N 523989 E 2186768
L STATION 19+80.35 138.19 RIGHT
BENCHTIE NAIL IN 12" HARDWOOD

2/19/2020
BR-0121-dy-PSH.dgn
USERAP.rsx