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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-0014	5
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER 1/6/2020
HYDRAULICS ENGINEER 1/8/2020

NORTH CAROLINA PROFESSIONAL SEAL 022999 ENGINEER CRAIG S PURVIS
Craig S. Purvis

NORTH CAROLINA PROFESSIONAL SEAL 044561 ENGINEER HARMINDER SINGH
Harminder Singh

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS 8/17/99

MATCHLINE SHEET 5 -LREV- STA. 27+00.00

JIM WARREN MOBILE HOMES INC, THORTON LOGGING CO ETAL
DB 5408 PG 395
DB 91PG 41

S 68°44'01" W 200.00'

S 62°21'00" W 200.00'

WOODS

BLANCA CAMPOS-GONZALEZ & CAROLINA LAND & TIMBER CO
DB 9143 PG 192
DB 91PG 41

HTR

EIP

S 68°44'01" W 99.64'

-BL- 4

2

WILLIAM EARL FAIRCLOTH
DB 3663 PG 804
PB 47 PG 8

SPECIAL LATERAL 'V' DITCH SEE DETAIL A

REMOVE & REPLACE

2' PS.

EXISTING R/W

C

0508

28'

15"

12'

+47.15

03 04 05 06 07

NC HWY. 210

SPECIAL LATERAL 'V' DITCH SEE DETAIL A

CL 'B' RIP RAP 2 TONS 7 SY GEO

+55.15

27' TYP.

WOODS

WILLIAM EARL FAIRCLOTH
FALLOW
DB 3663 PG 804
PB 47 PG 8

-LREV- PT Sta. 31+55.65

END NCDOT PROJECT BR-0014
-LREV- PCC Sta. 28+82.15

JIM WARREN MOBILE HOMES INC, THORTON LOGGING CO ETAL
DB 5408 PG 395
PB 91PG 41

105.62

105.12

105.11

STAR TELEPHONE MEMBERSHIP CORPORATION

N 44°59'04" E
-LREV-

SOUTH RIVER EMC

COPPER AND OR FIBER

NC HWY. 242

SR 1836 (BROADWATER BRIDGE RD.)

-LREV- PI Sta. 27+30.06
Δ = 3° 29' 12.4" (RT)
D = 1° 08' 45.3"
L = 304.28'
T = 152.19'
R = 5,000.00'
SE = .03
RO = SEE PLANS
DS = 60 MPH

-LREV- PI Sta. 30+19.31
Δ = 10° 48' 25.1" (RT)
D = 3° 57' 05.2"
L = 273.49'
T = 137.15'
R = 1,450.00'

-LREV- POT Sta. 35+28.38

35

SOPHIA LEE HOLLAND
DB 7558 PG 122
PB 91PG 41

NC GRID NAD 83 NA 2011

WILLIAM EARL FAIRCLOTH
DB 3663 PG 804

PI = 27+50.00
EL = 89.67'
VC = 180'
K = 214
DS = 60 MPH

END GRADE STA.28+82.15 EL 91.30

(+)2.0772% (+)11.2355%

(+)2.6631% (+)1.8333%

EXIST. GRADE

+1.5562%

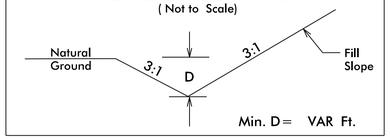
END DITCH -LREV- STA. 28+82(RT) ELEV. 88.52'

END DITCH -LREV- STA. 27+85(LT) ELEV. 88.00'

BEGIN DITCH -LREV- STA. 27+20(RT) ELEV. 85.55'

DITCH GRADE (LT)
DITCH GRADE (RT)

DETAIL A
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



-LREV- STA. 25+00 TO STA. 27+85 (LT)
-LREV- STA. 27+20 TO STA. 28+82 (RT)

100 90 80 70 60 50 40 30

27 28 29 30 31 32 33 34 35

12/19/2019
P:\...\br0014_rdy_psh 5.dgn
USER:rpurvis