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WETHERILL ENGINEERING
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License 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.
R-4705	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
4/7/2022	4/7/2022
NORTH CAROLINA PROFESSIONAL SEAL 21116 ENGINEER ROB A. MAY	NORTH CAROLINA PROFESSIONAL SEAL 053425 ENGINEER MATTHEW L. HARVEY
Rob A. May	Matthew L. Harvey

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-Y1-
PI Sta 18+61.44
Δ = 29° 21' 33.3" (RT)
D = 2° 39' 53.7"
L = 1,101.69'
T = 563.22'
R = 2,150.00'
DS = 60 MPH
SE = 0.06 FT/FT
RO = SEE PLANS

NAD 83/NA 2011

4650/5930 — NC 903 — 1715/2035
3295/4415 — 360/520
2022/2042 — 3655/4935
SR 1142

TO US 13-17

TO NC 903

BEGIN PROJECT R-4705
-L- POT Sta. 10+00.00
-Y1- POC Sta. 17+57.38

BEG. CONSTRUCTION
-Y1- POT Sta. 12+34.37

-Y1- PC Sta.13+84.46

END CONSTRUCTION
-Y1- POC Sta. 24+84.43

-Y1- PT Sta.24+86.16

N 4° 29' 46.6" W

N 33° 51' 19.9" W

MATCHLINE -L- STA. 12+00.00 SEE SHEET 5

N 82° 54' 39.9" E

SPECIAL CUT DITCH SEE DETAIL A

360' TRANSITION

150' FULL LANE

150' TAPER

200' TAPER

490' TRANSITION

CL I RIP RAP
EST. 9 TON
EST. 16 SY GF
SEE DETAIL S
DDE=15 CY

SPECIAL LATERAL 2' BASE DITCH SEE DETAIL C

SPECIAL LATERAL V DITCH SEE DETAIL B

SPECIAL LATERAL V DITCH SEE DETAIL B

SPECIAL LATERAL V DITCH SEE DETAIL B

NOTE: DO NOT DISTURB DRIVEWAY PARKING AREA ON PARCEL NO. 1

NOTE: DO NOT DISTURB SEPTIC DRAIN FIELD ON PARCEL NO. 4

REMOVE

STEPHEN L. WILLIAMS
JOYCE D. WILLIAMS
DB U-10 PG 463

WORLEY & TYLER WARREN
DB M-21 PG 317

EULA MAE ROEBUCK
DB C-27 PG 141

JOSEPH VINCENT GEDRIMAS
DB K-26 PG 556

WORLEY MOORE WARREN
DB B-22 PG 548

SEE SHEET 2D-1 FOR DITCH DETAILS
SEE SHEET 44 FOR -L- PROFILE
SEE SHEET 64 FOR -Y1- PROFILE

REVISIONS

8/17/99

3/17/2022
R:\Roadway\R4705_Rdy_psh_04.dgn
USER:RBMcN