PROJECT REFERENCE NO.	SHEET NO.
R-5130	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

5 0 10

CONST. REV. _____

R/W REV. _____

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

TGS ENGINEERS

ADAPTED FROM:
TGS ENGINEERS
SUITE 141
975 WALNUT STREET
CARY, NC 27511

PREPARED BY:

CATLIN
ENGINEERS and SCIENTISTS
WILMINGTON, NORTH CAROLINA

-L-

Pls Sta 247+02.637
Θs = 2°23'14.4"
Ls = 125.000
LT = 83.341
ST = 41.674

PI Sta 250+24.853
Δ = 21°11'17.5" (RT)
L = 554.705
T = 280.557
R = 1,500.000
SE = 4%

Pls Sta 253+40.675
Θs = 2°23'14.4"
Ls = 125.000
LT = 83.341
ST = 41.674

NAD 83

JOHN W. BRADLEY, JR.
DB 507 PG 46

E. W. STONE
DB 893 PG 656

S35°54'47"W
535.30'

245+00

N 80°59'59.0" E

246+00

-L-

247+00

248+00

FUTURE CONSTRUCTION

3.0 P.S.

14.0' TL

10.5

12 P.S.

7.2

.085

.02

.0

.03

.04

.487.481

MATCHLINE STA. 248+80.00 MATCH TO SHT. NO. 5

S49°30'19"E
1054.43'

-L- TS 246+19.296

-L- SC 247+44.296

JOHN W. BRADLEY, JR.
DB 507 PG 46

E. W. STONE
DB 893 PG 656

EXISTING R/W

60'

18.28'

PK

SR 1161 COVINGTON ROAD 60 BST

EXISTING R/W

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY THE NORTH CAROLINA GEODETIC SURVEY FOR MONUMENT "WE 1987" WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING 1039117.681 feet EASTING 2682855.588 feet

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS 0.99988800

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "WE 1987" TO -L-POT STATION 540.000 IS S 48° 12' 03" E 949.1273m

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES

VERTICAL DATUM USED IS NAVD 1988