PROJECT REFERENCE NO.	SHEET NO.
R-2237B	28
RW SHEET NO.	

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 20677 ENGINEER GREGORY A. KEMPF
11-3-04

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 14100 ENGINEER DOUGLAS B. SAUNDERS
11/04/04

HDR Engineering, Inc. of the Carolinas
3733 National Drive, Suite 207 Raleigh, N.C. 27612

TRANSITE CONSULTING ENGINEERS, INCORPORATED
1300 Paddock Drive, Suite G-10 Raleigh, N.C. 27609

8/17/99

REVISIONS

NAD 83

-L-
CURVE LR25
PI = 317+45.57
Δ = 26° 04' 49.7" (RT)
Dc = 2° 00' 00.0"
Θs = 1° 30' 00.0"
Ls = 150.00'
Ts = 738.58'
Lc = 1,154.02'
Rc = 2,864.79'
LT = 100.00'
ST = 50.00'
e = 0.04
DS = 50 mph

MATCHLINE -L- STA. 310+00.00 SEE SHEET NO. 27
-L- TS Sta. 310+06.99
-L- SC Sta. 311+56.99
MATCHLINE -L- STA. 323+00.00 SEE SHEET NO. 29

BL-36 PINC 310+19.89
BL-37 PINC 316+09.86
BL-38 PINC 321+79.59
BL-39 PINC 324+51.45

109 WILLIAM F.GREENE DB 0636 PG 0730 DB 0768 PG 0695
108 ADAM J. HOFFMAN,III DB 1137 PG 0248 PB II PG 19
111 VIRGIL G.& EMILY S.MABE DB 1135 PG 1838
112 RICHARD T.& MIRIAM SAIN DB 0824 PG 0889
113 J.EARL TINDEL DB 0699 PG 1015

CLASS 'I' RIP-RAP EST. II TONS EST. 22 SYFF
TOE PROTECTION SEE DETAIL B EST. 275 TONS EST. 388 SYFF
TOE PROTECTION SEE DETAIL B EST. 25 TONS EST. 35 SYFF
30" CSP W/ 2 ELBOWS
JB W/ SLAB LID
FILL WITH FLOWABLE MATERIAL
REMOVE HW
RESURFACE WITH 1.5" S9.5B
PROP.R/W
PROP.SLOPE LIMIT
PROP.GUARDRAIL
PROP.DOUBLE FACED BARRIER
PROPOSED ASPHALT DRIVE
+78.BEGIN DEB TYPE B-77
+63.END OF BARRIER TYPE B-77
+13.TYPE 350
+00.END OF BARRIER TYPE B-77
+75.TIE TO EXISTING GUARDRAIL
+76.TIE TO EXISTING GUARDRAIL
BREMCO POWER EASEMENT
SPRING TO HOUSE
2SFD
WD DK
WILDRED T.BOLICK LIVING TRUST DB 1254 PG 1141

DETAIL B
TOE PROTECTION
(Not to Scale)
Natural Ground — Fill Slope
d = 1.0 Ft
Filter Fabric
Type of Liner = CL. 'I'
-L- 314+50 TO 317+00 (LT.)
-L- 322+65 TO 323+00 (LT.)

NOTES:
1. DRIVEWAY RETURN RADII ARE 10' UNLESS OTHERWISE SHOWN
2. ALL CSP WILL BE ROD LUG AND GASKET CONNECTOR
3. NO RIP RAP TO BE PLACED IN STREAM BED/CREEK BOTTOM

REFERENCES:
FOR -L- PROFILE SEE SHEET 56

ROADWAY TO BE OBLITERATED

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