5/14/99

PROJECT REFERENCE NO.	SHEET NO.
B-4319	5

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 024926 ENGINEER RONALD E. McCOLLUM, JR.

R.E.H.

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 12575 ENGINEER PAUL A. FISHER

12-8-04

-L-

BM #1 RR SPIKE SET IN POWER POLE
-L- STA.10+00, N 25° 08' 44.6" W, 49.48'
ELEV = 114.16'

BM #2 RR SPIKE SET IN 30" OAK
-L- STA.14+53, 46' LEFT
ELEV = 109.22'

BM #3 RR SPIKE SET IN 14" GUM
-L- STA.22+51, 57' LEFT
ELEV = 114.42'

BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 1500 CFS
DESIGN FREQUENCY	= 50 YRS
DESIGN HW ELEVATION	= 108.44FT
BASE DISCHARGE	= 1800 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 108.90FT
OVERTOPPING DISCHARGE	= 2800+ CFS
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING ELEVATION	= 111.87 FT
DATE OF SURVEY	= 9-14-04
W.S.ELEVATION AT DATE OF SURVEY	= 104.2 FT

BEGIN GRADE -L- STA.12+30
EL.112.30'

PI = 13+75.00
EL = 111.29'
VC = 180'
K = 158

BEGIN BRIDGE -L- STA.15+84

PI = 16+10.00
EL = 112.33'
VC = 200'
K = 267

END BRIDGE -L- STA.16+74

PI = 18+00.00
EL = 111.75'
VC = 180'
K = 331

END GRADE -L- STA.20+30
EL.112.30'

(-)0.6966% (+)0.4426% (+)0.4426% (-)0.3053% (-)0.3053% (+)0.2391%

POT -L- STA.13+78.17
POT -Y- STA.12+75.30

130

20-JAN-2006 10:55
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rshillingsw
AT RD226360