5/14/99

PROJECT REFERENCE NO.	SHEET NO.
B-3703	5

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 22058 ENGINEER VERONICA S. MARSHALL
11/12/04

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 10746 ENGINEER DENNIS R. THOMPSON
12/3/04

RS&H

STRUCTURE HYDRAULIC DATA

DRAINAGE AREA	= 33.3 SQ MI
DESIGN DISCHARGE	= 5,600 CFS
DESIGN FREQUENCY	= 25 YRS
DESIGN HW ELEVATION	= 272.1 FT
BASE DISCHARGE	= 7,000 CFS
BASE HW ELEVATION	= 272.7 FT
OVERTOPPING DISCHARGE	= 5,600 CFS
OVERTOPPING FREQUENCY	= 25 YRS
OVERTOPPING ELEVATION	= 270.16 FT

-L-

BM 1, ELEVATION = 282.31'
N = 688083 E = 2076177
-BL- STA 5+18 88' LEFT
R/R SPIKE SET IN 10" OAK

BM 2, ELEVATION = 269.55'
N = 688922 E = 2076484
-BL- STA 14+04 74' LEFT
R/R/ SPIKE SET IN 15" OAK

NCGS BENCHMARK
TT 1960 63 DRD

BEGIN GRADE
-L- STA. 14+60.00
ELEV. 273.21'

BEGIN BRIDGE
STA. 17+43.28

END BRIDGE
STA. 18+32.42

END GRADE
BEGIN RESURFACING
-L- STA. 20+30.00
ELEV. 271.09'

END RESURFACING
-L- STA. 23+00.00
ELEV. 271.15'

PROPOSED GRADE

(-)0.385%

(-)0.385%

(-)0.385%

EXISTING GROUND

CLASS II RIP RAP
1.5 : 1 (TYP.)
STRUCTURE PAY ITEM

48" RCP

EXISTING GROUND

285
275
265
255

12 13 14 15 16 17 18 19 20 21 22 23 24 25

EXISTING MATERIAL TO BE EXCAVATED
STRUCTURE PAY ITEM

FOR -L- PLAN SEE SHEET 4

DESIGNED - VSM
DRAWN - DRT
CHECKED - DRT
SUBMITTED - VSM

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