

5/14/99

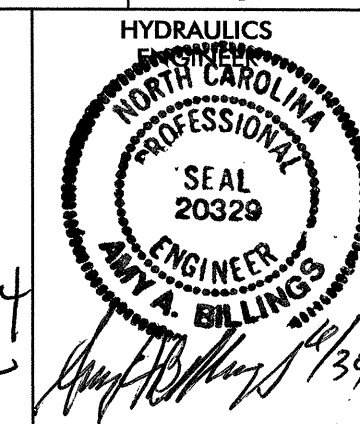
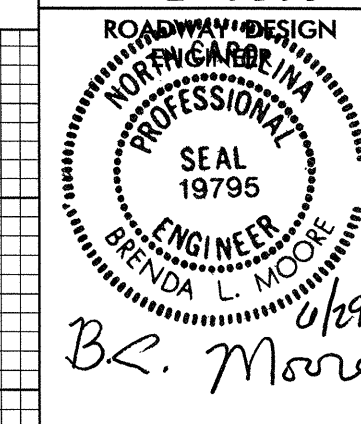
**\*\*DESIGN EXCEPTION REQUIRED FOR DESIGN SPEED (25 MPH)**

PROJECT REFERENCE NO.

B-3506

SHEET NO.

5



B.L. Moore  
W.A. Billings

BM #1 RR SPIKE IN BASE OF 15" PINE  
-L- STA 14+48.82, 178.8114' LT  
ELEV = 574.81'

BM #2 RR SPIKE IN BASE OF POWER POLE  
-L- STA 24+34.83, 32.5099' RT  
ELEV = 565.08'

BEGIN GRADE -L- STA. 13+00  
EL. 559.49'

END GRADE -L- STA. 25+00  
EL. 567.02'

PI = 13+45.00  
EL = 557.48'  
VC = 90'  
K = 27  
\*\*V = 34 MPH

PI = 20+05.00  
EL = 505.70'  
VC = 600'  
K = 26  
\*\*V = 25 MPH

PI = 24+00.00  
EL = 564.64'  
VC = 165'  
K = 13  
\*\*V = 25 MPH

STRUCTURE HYDRAULIC DATA

DESIGN DISCHARGE	= 7005 CFS
DESIGN FREQUENCY	= 50 YRS
DESIGN HW ELEVATION	= 507.52 FT
BASE DISCHARGE	= 8494 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 509.18 FT
OVERTOPPING DISCHARGE	= 12432 CFS
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING ELEVATION	= 521.12 FT

-L-

-DRIVE-

PI = 10+30.00  
EL = 565.00'  
VC = 20'  
K = 3

PI = 11+30.00  
EL = 550.22'  
VC = 30'  
K = 2

END GRADE -DRIVE- STA. 11+45.82 =  
-L- STA. 14+30.64, 11' LT  
EP EL. 550.54'

BEGIN GRADE -DRIVE- STA. 10+20.00  
EL. 568.83'

08-JUN-2004 10:41  
C:\Roadway\Proj\B3506.pfl  
B.L. Moore

