



HORIZONTAL CURVE DATA ON -L-

PI STA. = 22+19.31
 $\Delta = 55^\circ-16'-57.7''$ (L.T.)
 $D = 6^\circ-51'-42.4''$
 $L = 805.66'$
 $R = 835.00'$

HYDRAULIC DATA

DESIGN DISCHARGE	3000 c.f.s.
FREQUENCY OF DESIGN FLOOD	25 yrs.
DESIGN HIGH WATER ELEVATION	268.900
DRAINAGE AREA	10.1 sq. mi.
BASIC DISCHARGE(Q100)	3900 c.f.s.
BASIC HIGH WATER ELEVATION	269.900

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE	7100+ c.f.s.
FREQUENCY OF OVERTOPPING FLOOD	500- yrs.
OVERTOPPING FLOOD ELEVATION	289.800

PROJECT NO. B-3704
WAKE COUNTY
 STATION: 17+05.00 -L-

SHEET 1 OF 3 REPLACES BRIDGE NO. 108

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
GENERAL DRAWING
 FOR BRIDGE ON SR 1834
 OVER LOWER BARTONS
 CREEK BETWEEN
 SR 1844 AND SR 1005

NORTH CAROLINA PROFESSIONAL SEAL 9804
 ENGINEER
 T. A. WALTER
 9-27-04

NORTH CAROLINA PROFESSIONAL SEAL 11259
 ENGINEER
 DAVID R. ANDREWS
 9-27-04

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			5-1
2			4			23

DRAWN BY : D.R. ANDERSON/S.M. RASHIDI DATE : 9/29/03
 CHECKED BY : T.A. WALTER DATE : 8/23/04

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