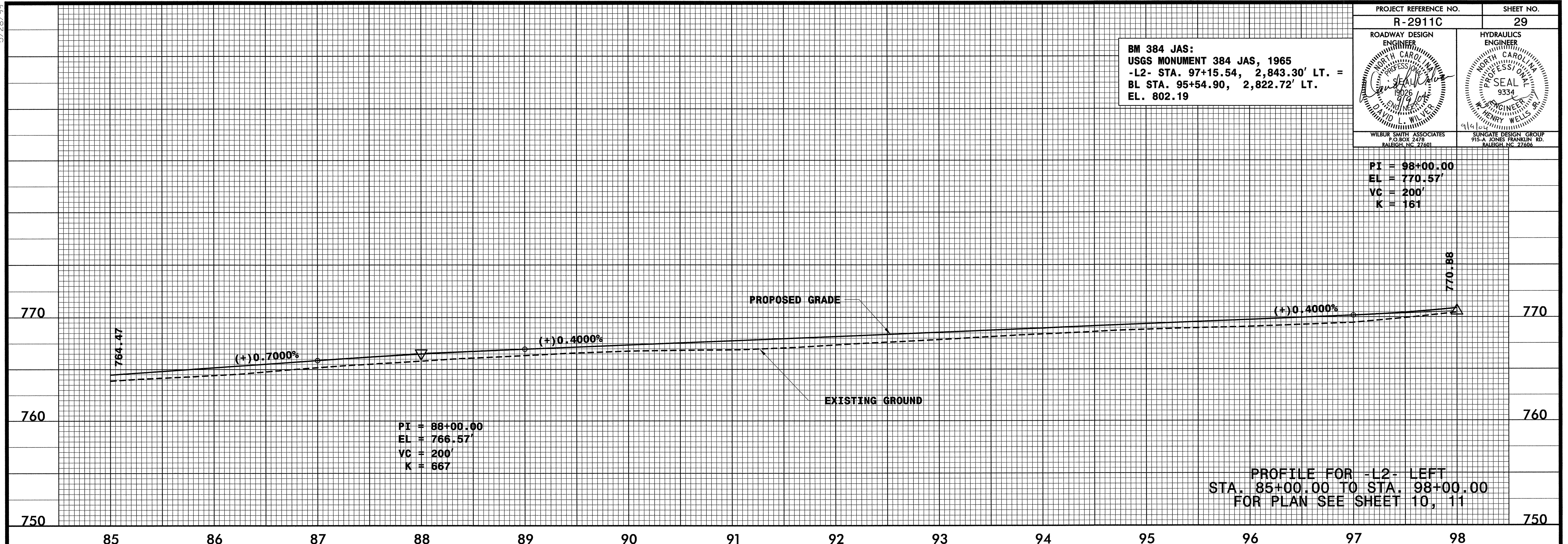


5/28/99

PROJECT REFERENCE NO. R-2911C	SHEET NO. 29
ROADWAY DESIGN ENGINEER DAVID L. WILKINS 1992 SEAL 9334	HYDRAULICS ENGINEER HENRY WELLS 1996 SEAL 9334
WILBUR SMITH ASSOCIATES P.O. BOX 2479 RALEIGH, NC 27601	SUNGATE DESIGN GROUP P.O. BOX 2479 RALEIGH, NC 27606

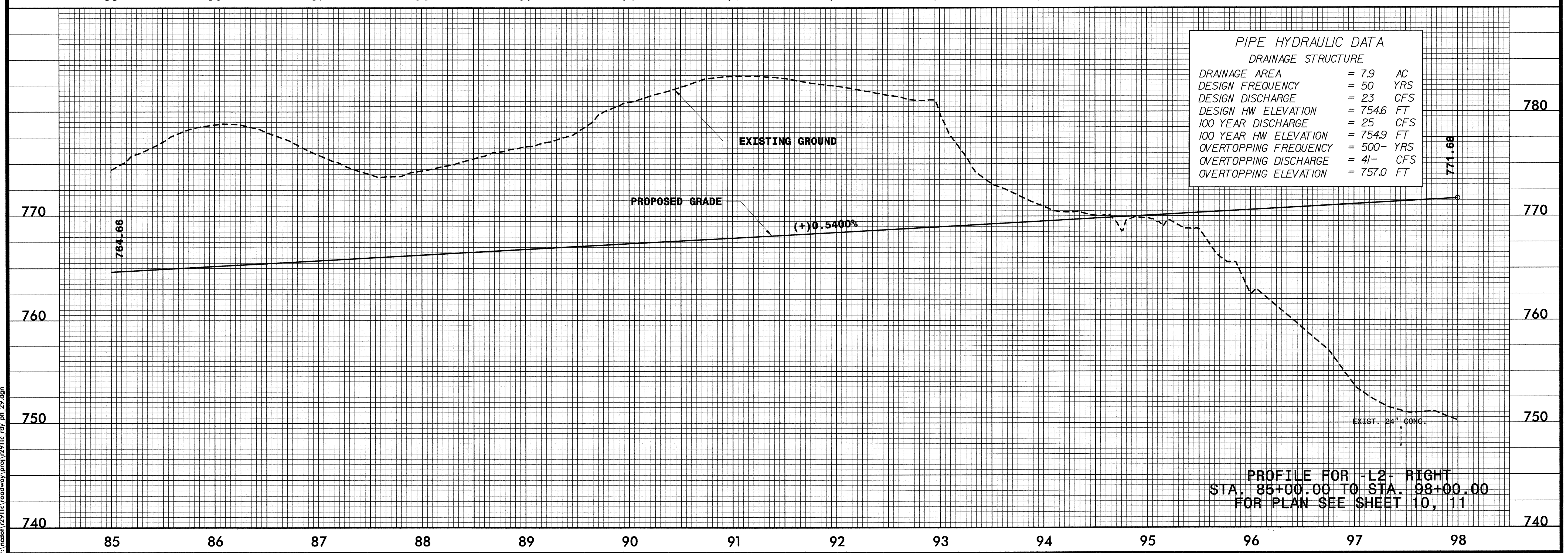
BM 384 JAS:
USGS MONUMENT 384 JAS, 1965
 -L2- STA. 97+15.54, 2,843.30' LT. =
 BL STA. 95+54.90, 2,822.72' LT.
 EL. 802.19

PI = 98+00.00
EL = 770.57'
VC = 200'
K = 161



PIPE HYDRAULIC DATA

DRAINAGE STRUCTURE	
DRAINAGE AREA	= 7.9 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 23 CFS
DESIGN HW ELEVATION	= 754.6 FT
100 YEAR DISCHARGE	= 25 CFS
100 YEAR HW ELEVATION	= 754.9 FT
OVERTOPPING FREQUENCY	= 500- YRS
OVERTOPPING DISCHARGE	= 41- CFS
OVERTOPPING ELEVATION	= 757.0 FT



DATE: 9/2/99
 TIME: 9:29 AM
 P:\ncd\2911c\roadway\proj\2911c_rdy_pfl_29.dgn