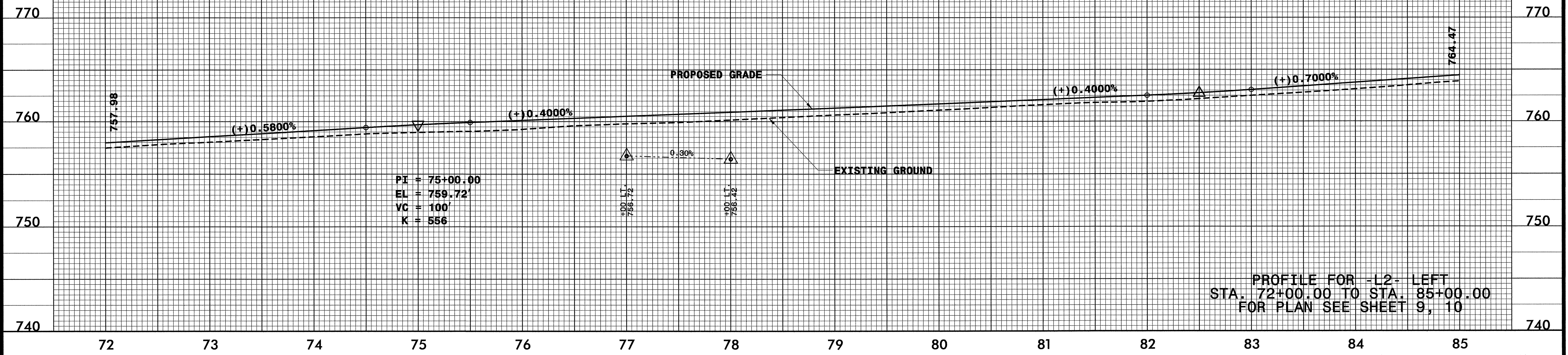


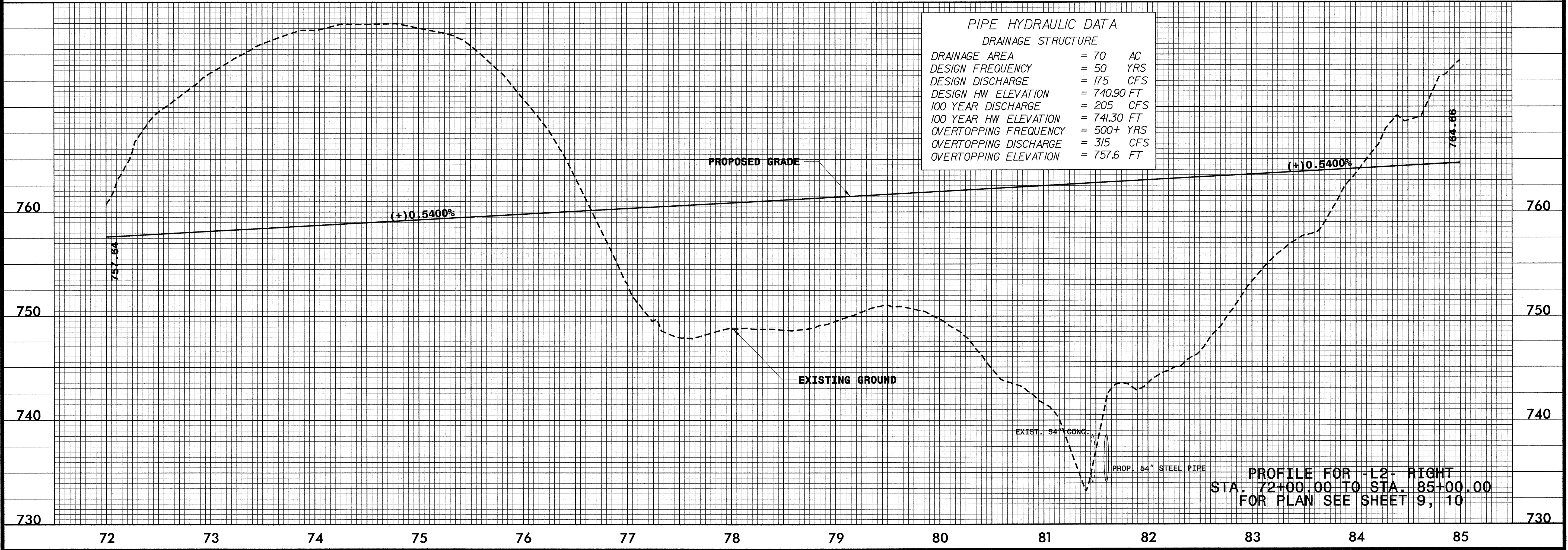
5/28/99

PROJECT REFERENCE NO. R-2911C	SHEET NO. 28
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL DAVID L. WILSON 19026 9/19/98	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL W. HENRY WELLS JR. 9334 9/14/98
WILBUR SMITH ASSOCIATES P.O. BOX 2478 RALEIGH, NC 27601	SUNGATE DESIGN GROUP 915-A JONES FRANKLIN RD. RALEIGH, NC 27606

PI = 82+50.00
 EL = 762.72'
 VC = 100'
 K = 333



PIPE HYDRAULIC DATA	
DRAINAGE STRUCTURE	
DRAINAGE AREA	= 70 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 175 CFS
DESIGN HW ELEVATION	= 740.90 FT
100 YEAR DISCHARGE	= 205 CFS
100 YEAR HW ELEVATION	= 741.30 FT
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 315 CFS
OVERTOPPING ELEVATION	= 757.6 FT



DATE: 9/22/04
 TIME: 2:42:18 PM
 C:\ncad\2911c\roadway\p01\2911c_04y_p01_28.dgn