

5/28/99

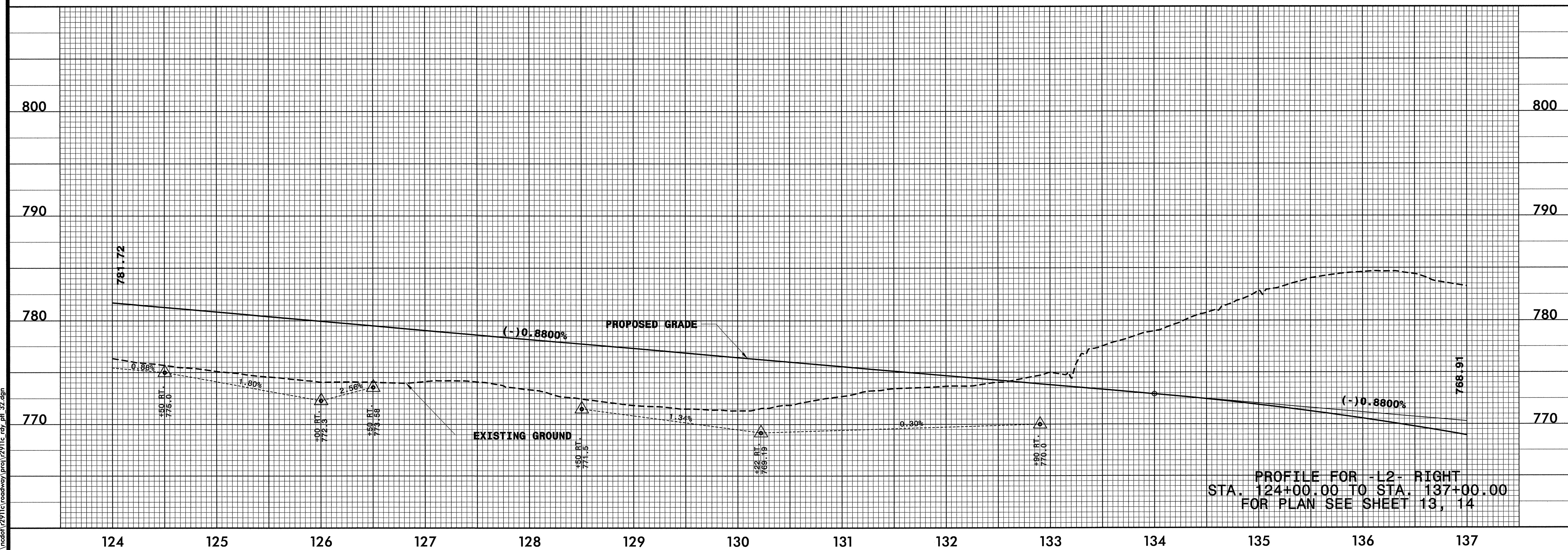
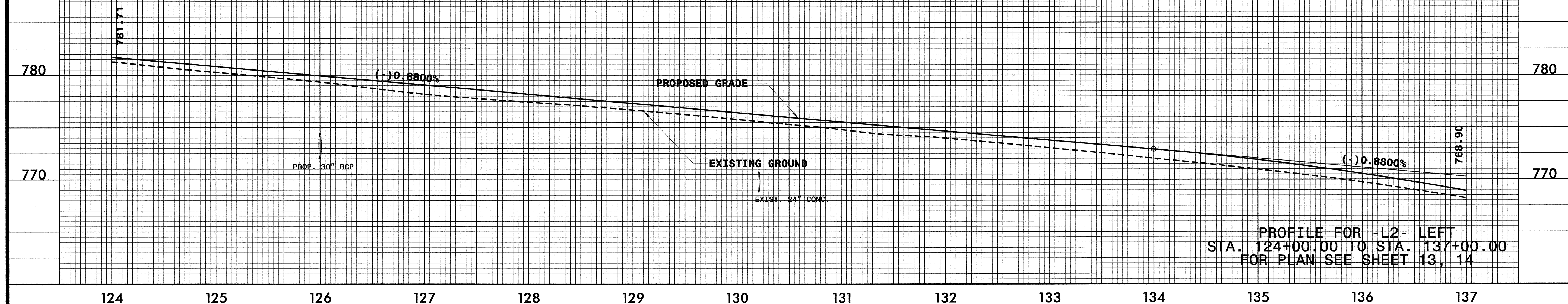
PROJECT REFERENCE NO. R-2911C	SHEET NO. 32
ROADWAY DESIGN ENGINEER DAVID L. WILBUR 9026 9/19/98 NORTH CAROLINA PROFESSIONAL SEAL 9334	HYDRAULICS ENGINEER HENRY WELLS NORTH CAROLINA PROFESSIONAL SEAL 9334
WILBUR SMITH ASSOCIATES P.O. BOX 2479 RALEIGH, NC 27601	SUNGATE DESIGN GROUP P.O. BOX 1000 RALEIGH, NC 27606

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE

DRAINAGE AREA	= 10.3 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 26.7 CFS
DESIGN HW ELEVATION	= 775.0 FT
100 YEAR DISCHARGE	= 31.1 CFS
100 YEAR HW ELEVATION	= 775.3 FT
OVERTOPPING FREQUENCY	= +100 YRS
OVERTOPPING DISCHARGE	= +31.1 CFS
OVERTOPPING ELEVATION	= +775.38 FT

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE

DRAINAGE AREA	= 6.2 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 15.6 CFS
DESIGN HW ELEVATION	= 771.39 FT
100 YEAR DISCHARGE	= 19.25 CFS
100 YEAR HW ELEVATION	= 772.39 FT
OVERTOPPING FREQUENCY	= +100 YRS
OVERTOPPING DISCHARGE	= +24.2 CFS
OVERTOPPING ELEVATION	= +773.0 FT



DATE: 5/7/99
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