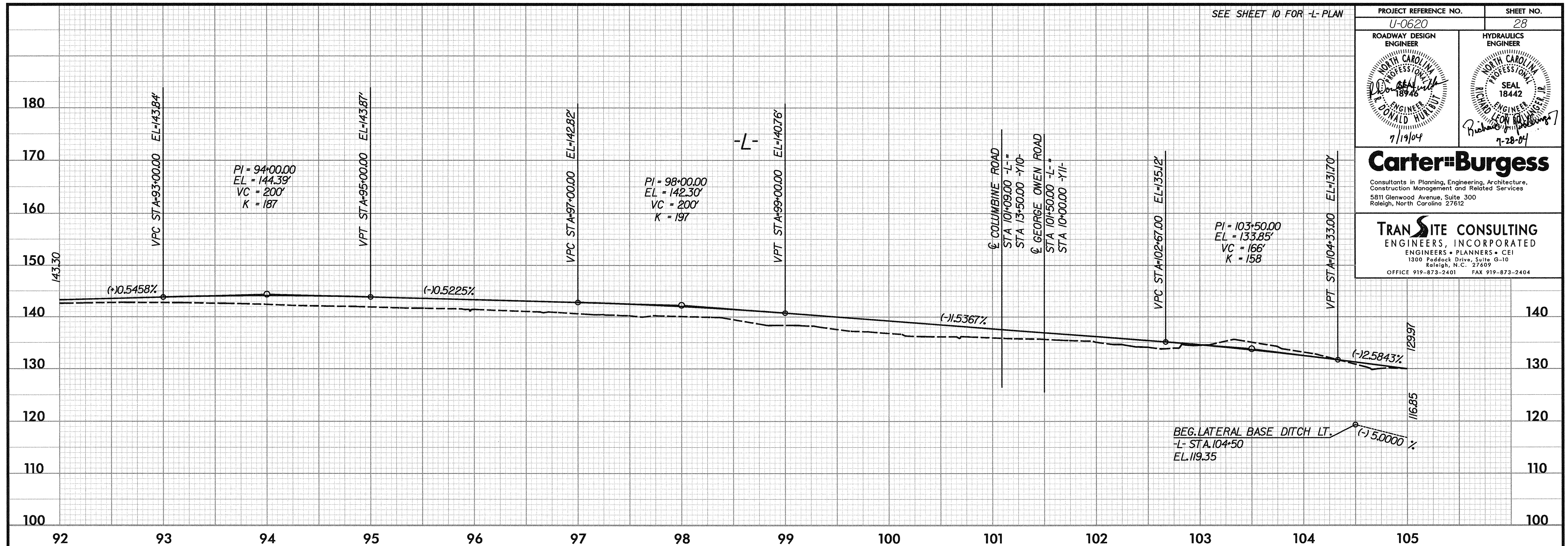


SEE SHEET 10 FOR -L- PLAN

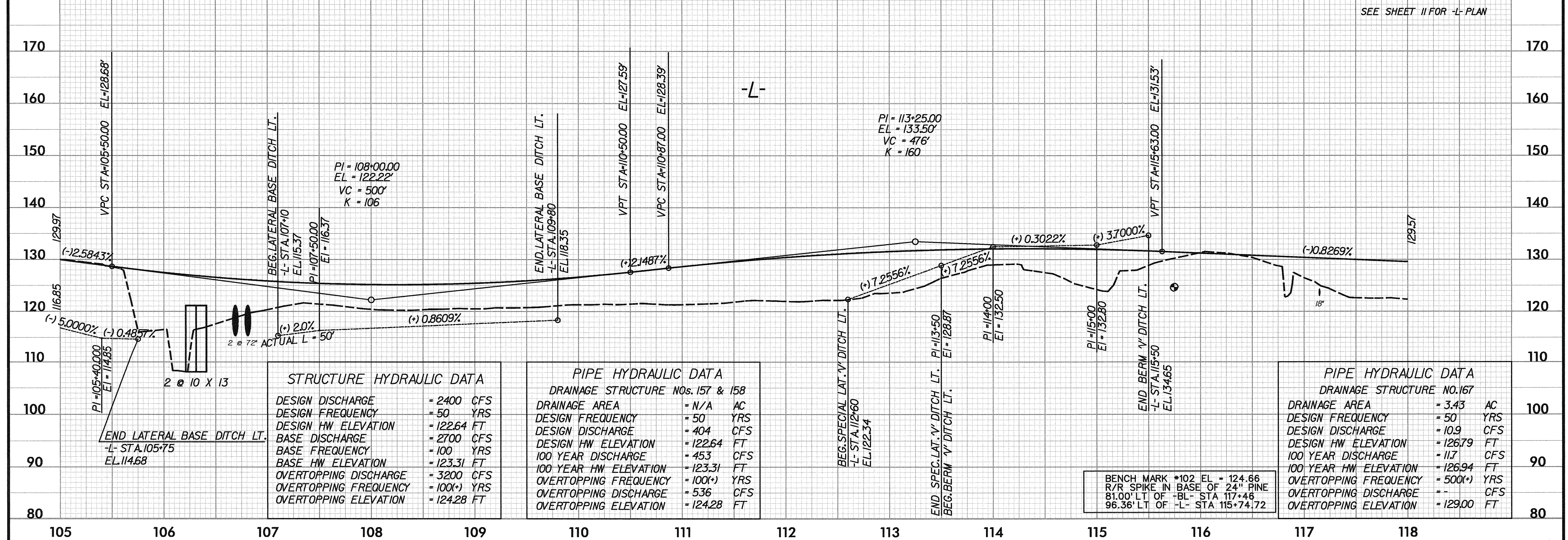
PROJECT REFERENCE NO. U-0620	SHEET NO. 28
ROADWAY DESIGN ENGINEER DONALD HIRSH 18946 7/19/04	HYDRAULICS ENGINEER RICHARD LEON HOLLINGS 18442 7-28-04

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SEE SHEET 11 FOR -L- PLAN



STRUCTURE HYDRAULIC DATA	
DESIGN DISCHARGE	= 2400 CFS
DESIGN FREQUENCY	= 50 YRS
DESIGN HW ELEVATION	= 122.64 FT
BASE DISCHARGE	= 2700 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 123.31 FT
OVERTOPPING DISCHARGE	= 3200 CFS
OVERTOPPING FREQUENCY	= 100(*) YRS
OVERTOPPING ELEVATION	= 124.28 FT

PIPE HYDRAULIC DATA	
DRAINAGE STRUCTURE NOS. 157 & 158	
DRAINAGE AREA	= N/A AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 404 CFS
DESIGN HW ELEVATION	= 122.64 FT
100 YEAR DISCHARGE	= 453 CFS
100 YEAR HW ELEVATION	= 123.31 FT
OVERTOPPING FREQUENCY	= 100(*) YRS
OVERTOPPING DISCHARGE	= 536 CFS
OVERTOPPING ELEVATION	= 124.28 FT

PIPE HYDRAULIC DATA	
DRAINAGE STRUCTURE NO. 167	
DRAINAGE AREA	= 3.43 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 10.9 CFS
DESIGN HW ELEVATION	= 126.79 FT
100 YEAR DISCHARGE	= 11.7 CFS
100 YEAR HW ELEVATION	= 126.94 FT
OVERTOPPING FREQUENCY	= 500(*) YRS
OVERTOPPING DISCHARGE	= -- CFS
OVERTOPPING ELEVATION	= 129.00 FT

BENCH MARK \*102 EL = 124.66  
 R/R SPIKE IN BASE OF 24" PINE  
 81.00' LT OF -BL- STA 117+46  
 96.36' LT OF -L- STA 115+74.72