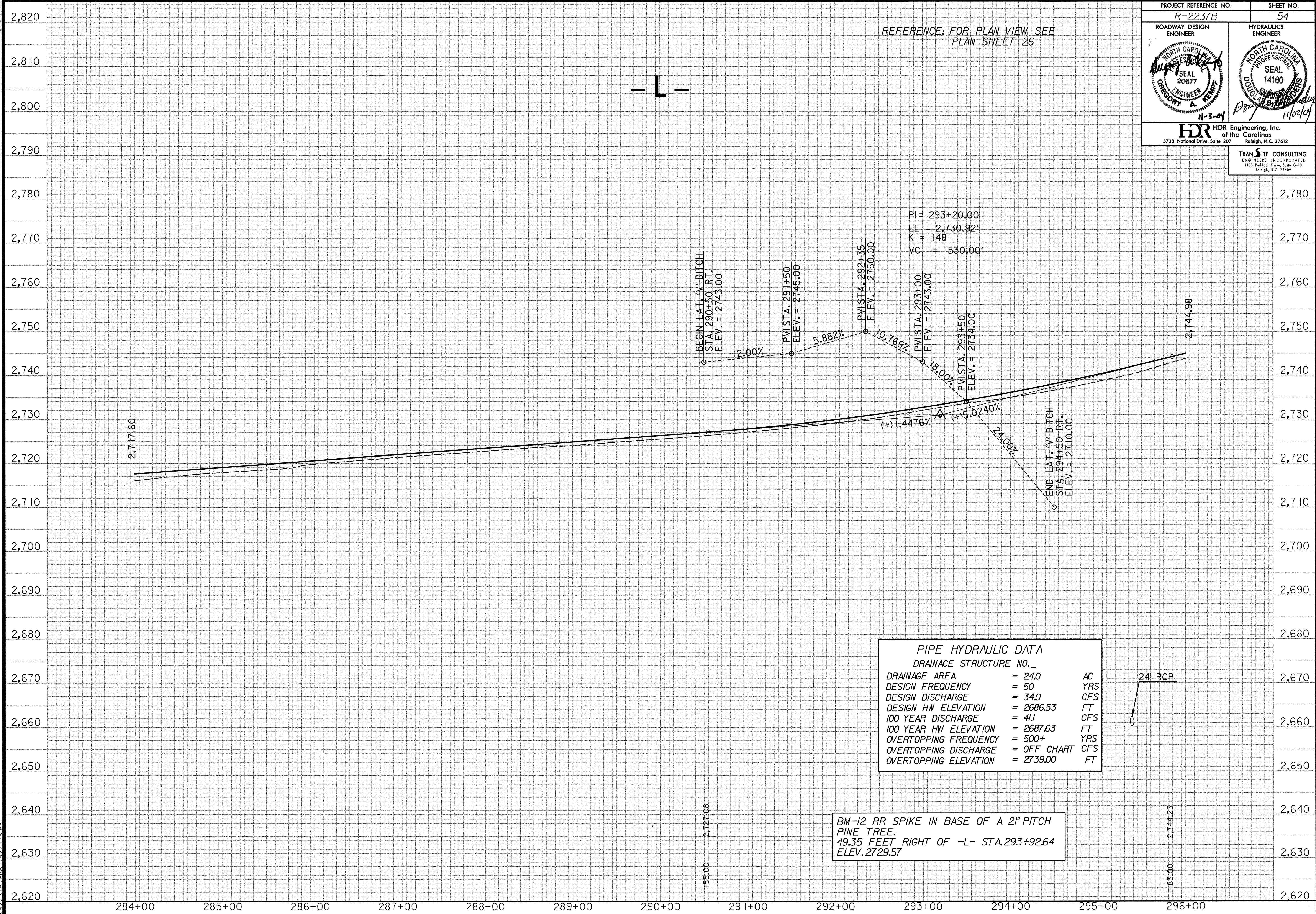


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S:\R2237B\Drawings\BR2237B.PE1

PROJECT REFERENCE NO. R-2237B	SHEET NO. 54
ROADWAY DESIGN ENGINEER <i>GREGORY A. KENNY</i>	HYDRAULICS ENGINEER <i>Douglas B. ...</i>
 HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612	
 TRANSITE CONSULTING ENGINEERS, INCORPORATED 1300 Redford Drive, Suite G-10 Raleigh, N.C. 27609	

REFERENCE: FOR PLAN VIEW SEE
PLAN SHEET 26



PIPE HYDRAULIC DATA		
DRAINAGE STRUCTURE NO. _		
DRAINAGE AREA	= 24.0	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 34.0	CFS
DESIGN HW ELEVATION	= 2686.53	FT
100 YEAR DISCHARGE	= 41J	CFS
100 YEAR HW ELEVATION	= 2687.63	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= OFF CHART	CFS
OVERTOPPING ELEVATION	= 2739.00	FT

BM-12 RR SPIKE IN BASE OF A 2" PITCH
PINE TREE.
49.35 FEET RIGHT OF -L- STA. 293+92.64
ELEV. 2729.57

24' RCP