

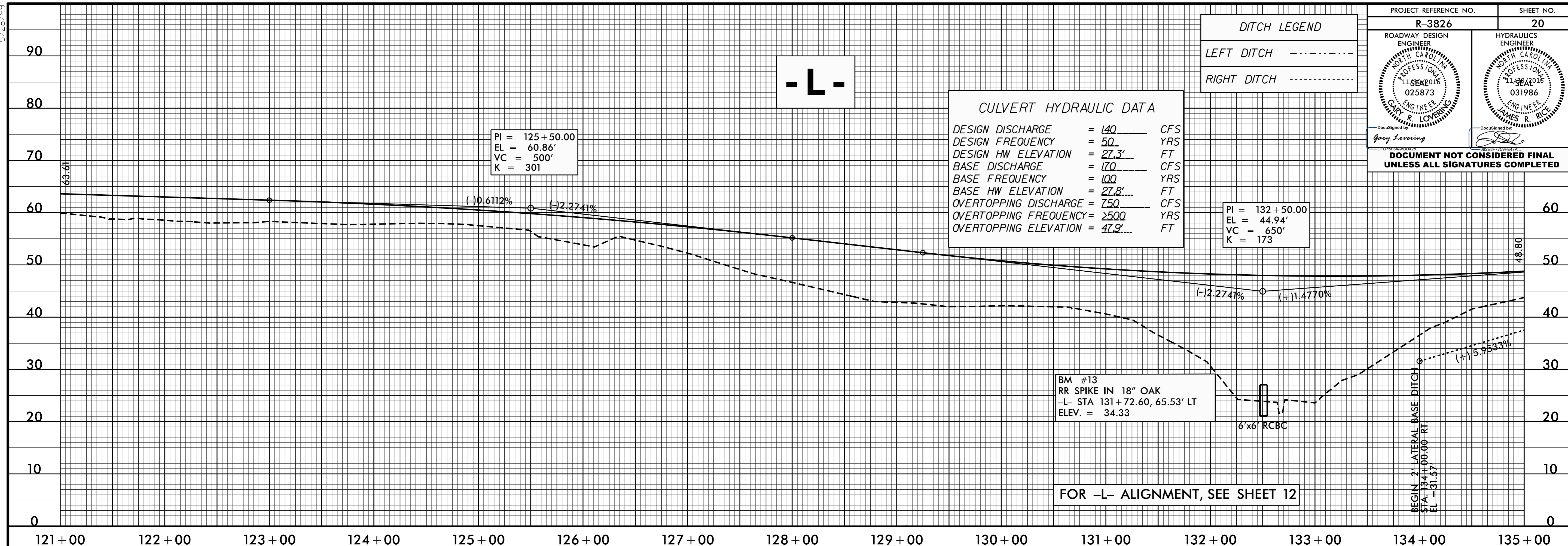
DITCH LEGEND
 LEFT DITCH - - - - -
 RIGHT DITCH - - - - -

CULVERT HYDRAULIC DATA
 DESIGN DISCHARGE = 140 CFS
 DESIGN FREQUENCY = 50 YRS
 DESIGN HW ELEVATION = 27.3 FT
 BASE DISCHARGE = 170 CFS
 BASE FREQUENCY = 100 YRS
 BASE HW ELEVATION = 27.8 FT
 OVERTOPPING DISCHARGE = 750 CFS
 OVERTOPPING FREQUENCY = 2500 YRS
 OVERTOPPING ELEVATION = 47.9 FT

PI = 125 + 50.00
 EL = 60.86'
 VC = 500'
 K = 301

PI = 132 + 50.00
 EL = 44.94'
 VC = 650'
 K = 173

FOR -L- ALIGNMENT, SEE SHEET 12



UNDERCUT EXCAVATION

PIPE HYDRAULIC DATA
 DRAINAGE STRUCTURE NO. 1303
 DRAINAGE AREA = 7.31 AC
 DESIGN FREQUENCY = 50 YRS
 DESIGN DISCHARGE = 14 CFS
 DESIGN HW ELEVATION = 49.78 FT
 100 YEAR DISCHARGE = 15 CFS
 100 YEAR HW ELEVATION = 49.87 FT
 OVERTOPPING FREQUENCY = 500± YRS
 OVERTOPPING DISCHARGE = 35 CFS
 OVERTOPPING ELEVATION = 52.98 FT

PIPE HYDRAULIC DATA
 DRAINAGE STRUCTURE NO. 1301
 DRAINAGE AREA = 2.20 AC
 DESIGN FREQUENCY = 50 YRS
 DESIGN DISCHARGE = 4.8 CFS
 DESIGN HW ELEVATION = 44.92 FT
 100 YEAR DISCHARGE = 5.2 CFS
 100 YEAR HW ELEVATION = 44.99 FT
 OVERTOPPING FREQUENCY = 500± YRS
 OVERTOPPING DISCHARGE = 17 CFS
 OVERTOPPING ELEVATION = 47.46 FT

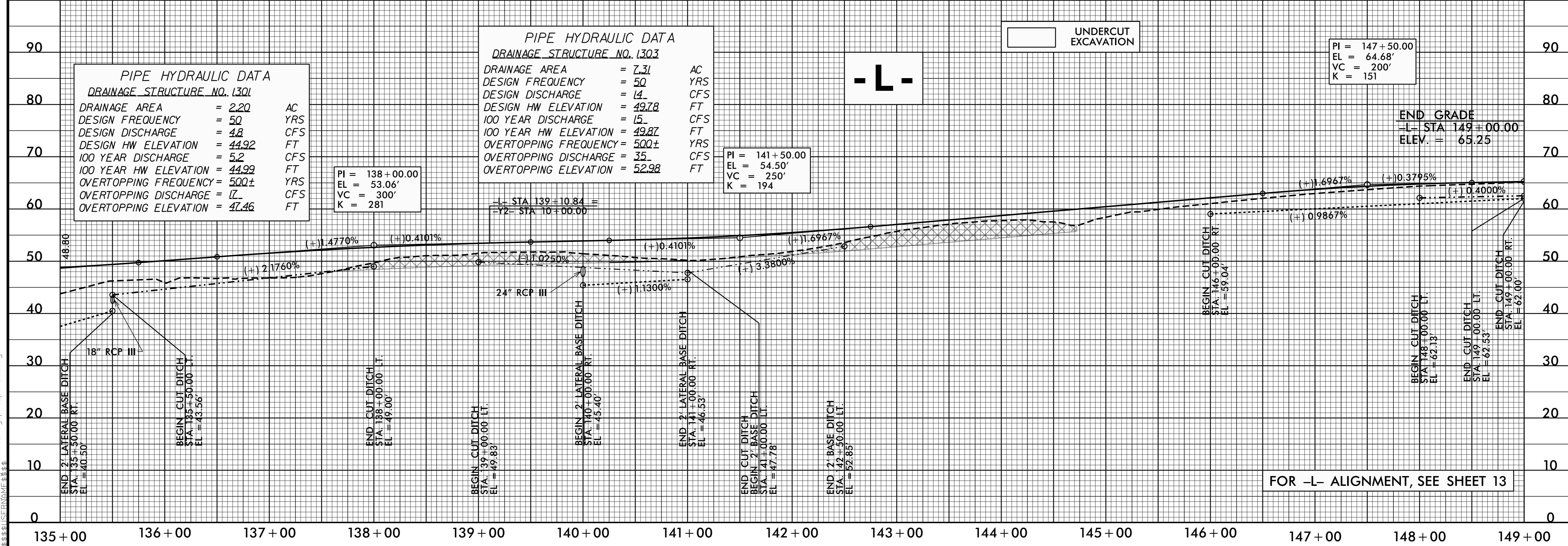
PI = 138 + 00.00
 EL = 53.06'
 VC = 300'
 K = 281

PI = 141 + 50.00
 EL = 54.50'
 VC = 250'
 K = 194

PI = 147 + 50.00
 EL = 64.68'
 VC = 200'
 K = 151

END GRADE
 -L- STA 149 + 00.00
 ELEV. = 65.25

FOR -L- ALIGNMENT, SEE SHEET 13



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