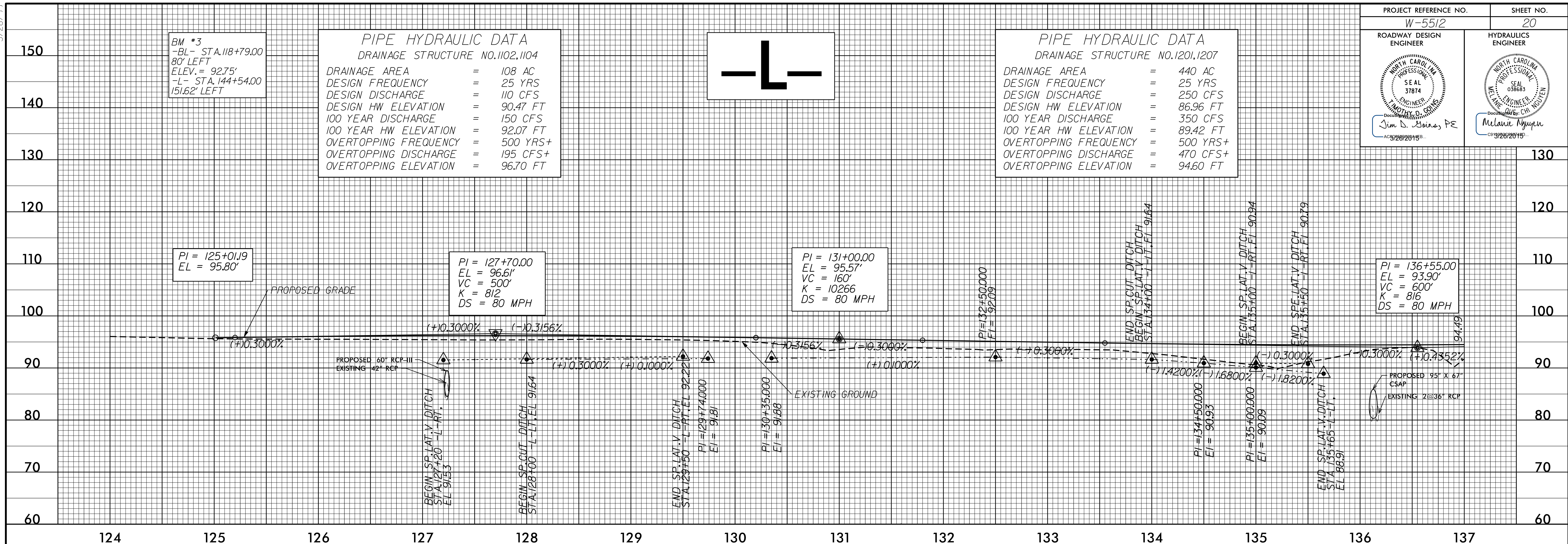


5/28/99

PROJECT REFERENCE NO. W-5512		SHEET NO. 20	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO. 1102, 1104

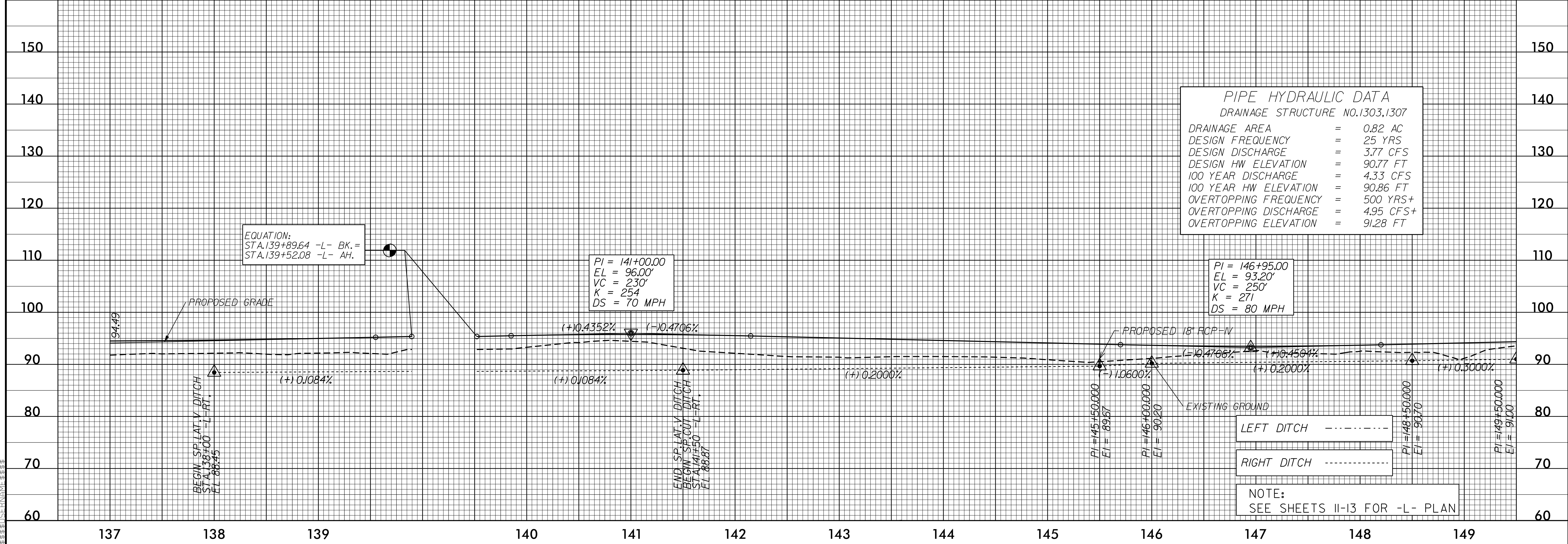
DRAINAGE AREA = 108 AC
 DESIGN FREQUENCY = 25 YRS
 DESIGN DISCHARGE = 110 CFS
 DESIGN HW ELEVATION = 90.47 FT
 100 YEAR DISCHARGE = 150 CFS
 100 YEAR HW ELEVATION = 92.07 FT
 OVERTOPPING FREQUENCY = 500 YRS+
 OVERTOPPING DISCHARGE = 195 CFS+
 OVERTOPPING ELEVATION = 96.70 FT

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO. 1201, 1207

DRAINAGE AREA = 440 AC
 DESIGN FREQUENCY = 25 YRS
 DESIGN DISCHARGE = 250 CFS
 DESIGN HW ELEVATION = 86.96 FT
 100 YEAR DISCHARGE = 350 CFS
 100 YEAR HW ELEVATION = 89.42 FT
 OVERTOPPING FREQUENCY = 500 YRS+
 OVERTOPPING DISCHARGE = 470 CFS+
 OVERTOPPING ELEVATION = 94.60 FT

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO. 1303, 1307

DRAINAGE AREA = 0.82 AC
 DESIGN FREQUENCY = 25 YRS
 DESIGN DISCHARGE = 3.77 CFS
 DESIGN HW ELEVATION = 90.77 FT
 100 YEAR DISCHARGE = 4.33 CFS
 100 YEAR HW ELEVATION = 90.86 FT
 OVERTOPPING FREQUENCY = 500 YRS+
 OVERTOPPING DISCHARGE = 4.95 CFS+
 OVERTOPPING ELEVATION = 91.28 FT



EQUATION:
 STA. 139+89.64 -L- BK. =
 STA. 139+52.08 -L- AH.

LEFT DITCH - - - - -
 RIGHT DITCH - - - - -
 NOTE:
 SEE SHEETS 11-13 FOR -L- PLAN

O:\MAR2006_11\42
 O:\MAR2006_11\42\PROJ\W-5512_Rd\J_PFL_20.DGN
 5/28/99 10:58:51 AM