

6.009.29

DITCH LEGEND
RIGHT DITCH - - - - -

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.76

DRAINAGE AREA = 2.6352 HA
 DESIGN FREQUENCY = 50 YRS
 DESIGN DISCHARGE = 0.315 CMS
 DESIGN HW ELEVATION = 47.29 M
 100 YEAR DISCHARGE = 0.344 CMS
 100 YEAR HW ELEVATION = 47.30 M
 OVERTOPPING FREQUENCY = 500+ YRS
 OVERTOPPING DISCHARGE = 1.800 CMS
 OVERTOPPING ELEVATION = 48.18 M

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.87

DRAINAGE AREA = 6.0675 HA
 DESIGN FREQUENCY = 50 YRS
 DESIGN DISCHARGE = 0.594 CMS
 DESIGN HW ELEVATION = 46.18 M
 100 YEAR DISCHARGE = 0.646 CMS
 100 YEAR HW ELEVATION = 46.22 M
 OVERTOPPING FREQUENCY = 500+ YRS
 OVERTOPPING DISCHARGE = 2.132 CMS
 OVERTOPPING ELEVATION = 48.18 M

METRIC

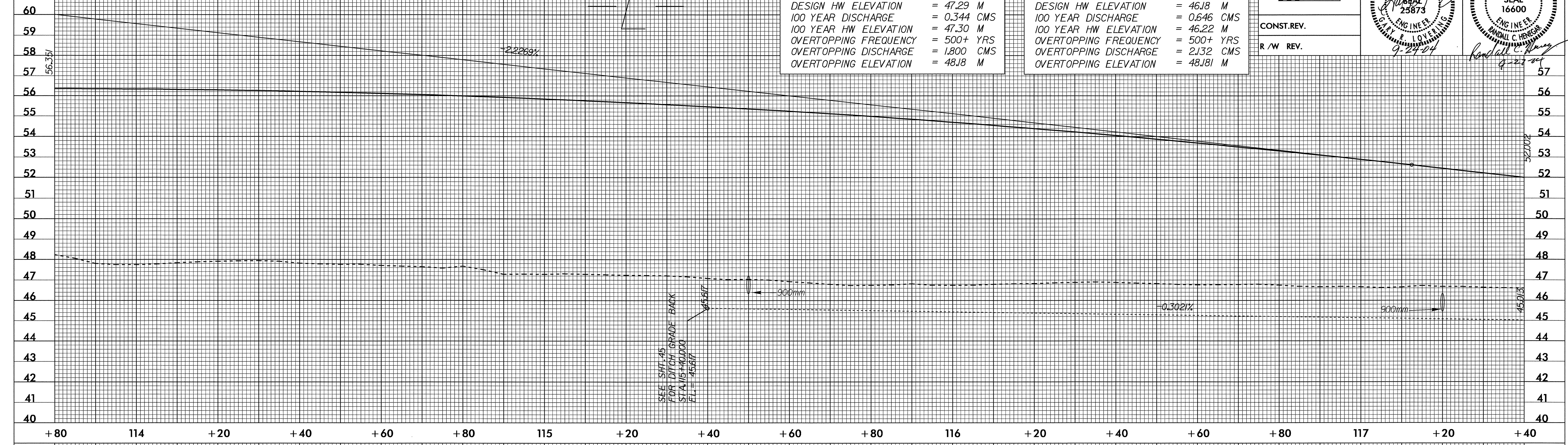
PROJECT REFERENCE NO. R-0513BA
ROADWAY DESIGN ENGINEER

SHEET NO. 31
HYDRAULICS ENGINEER

5 0 10

CONST. REV.
R / W REV.

Professional Engineer Seal: R. LOVER, No. 25873, State of North Carolina, Seal 16600.

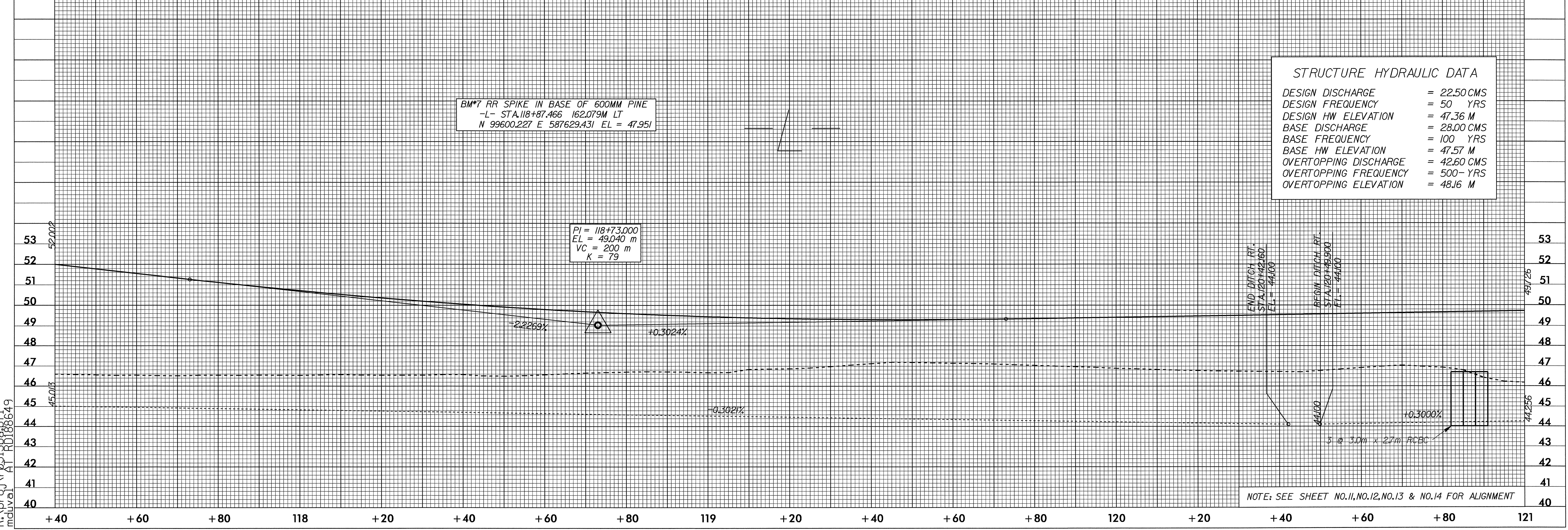


BM*7 RR SPIKE IN BASE OF 600MM PINE
 -L- STA. 118+87.466 162.079M LT
 N 99600.227 E 587629.431 EL = 47.951

PI = 118+73.000
 EL = 49.040 m
 VC = 200 m
 K = 79

STRUCTURE HYDRAULIC DATA

DESIGN DISCHARGE = 22.50 CMS
 DESIGN FREQUENCY = 50 YRS
 DESIGN HW ELEVATION = 47.36 M
 BASE DISCHARGE = 28.00 CMS
 BASE FREQUENCY = 100 YRS
 BASE HW ELEVATION = 47.57 M
 OVERTOPPING DISCHARGE = 42.60 CMS
 OVERTOPPING FREQUENCY = 500- YRS
 OVERTOPPING ELEVATION = 48.16 M



NOTE: SEE SHEET NO.11, NO.12, NO.13 & NO.14 FOR ALIGNMENT

20-SEP-2004 13:35
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