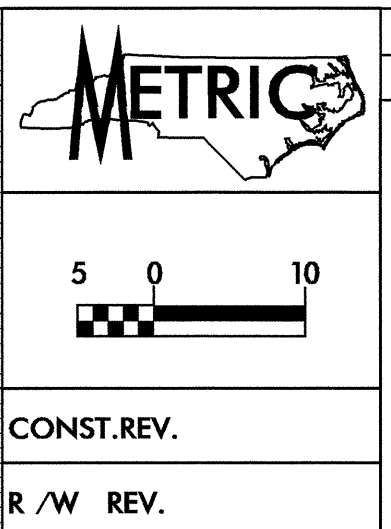


6/09/2004

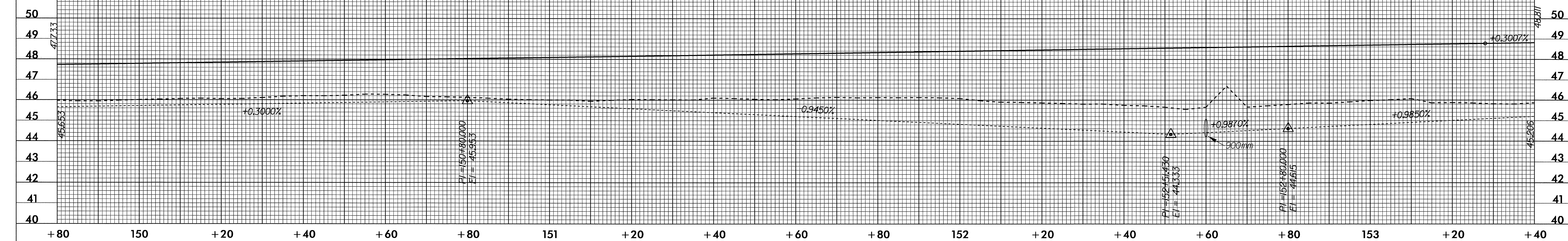
DITCH LEGEND
RIGHT DITCH - - - - -

BM*13 RR SPIKE IN BASE OF 600MM PINE
-L- STA.151+63.042 74740M RT
N 96869.282 E 589453.552 EL = 46.419

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.185
DRAINAGE AREA = 10.3511 HA
DESIGN FREQUENCY = 50 YRS
DESIGN DISCHARGE = 0.377 CMS
DESIGN HW ELEVATION = 45.51 M
100 YEAR DISCHARGE = 0.456 CMS
100 YEAR HW ELEVATION = 45.85 M
OVERTOPPING FREQUENCY = 100+ YRS
OVERTOPPING DISCHARGE = 0.50 CMS
OVERTOPPING ELEVATION = 45.87 M



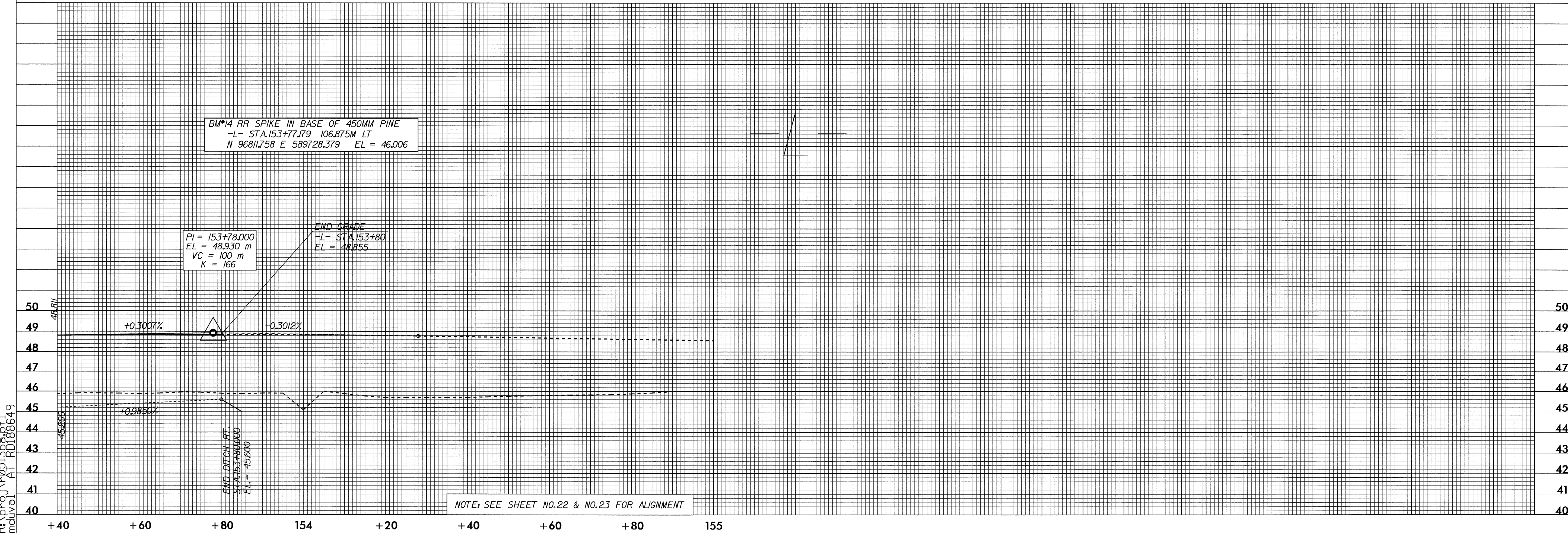
PROJECT REFERENCE NO. R-0513BA
ROADWAY DESIGN ENGINEER
SHEET NO. 36
HYDRAULICS ENGINEER
Professional Engineer Seal: 25873, SEAL 16600
Signature: Randall C. Henry, 9-27-04, 9-27-04



BM*14 RR SPIKE IN BASE OF 450MM PINE
-L- STA.153+77.779 106.875M LT
N 96811.758 E 589728.379 EL = 46.006

PI = 153+78.000
EL = 48.930 m
VC = 100 m
K = 166

END GRADE
-L- STA.153+80
EL = 48.855



20-SEP-2004 13:32
R:\proj\1513888\1
mduvel AT R0188649