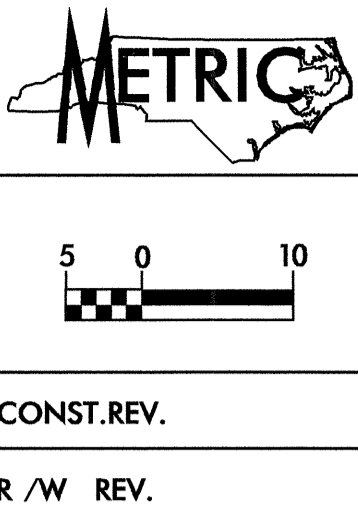


BM # 13
R/R SPIKE IN BASE OF POWER POLE, 53.230m RIGHT
OF -L- 62+00.000 ELEV. 155.871m

PI = 62+25.000
EL = 157.400 m
VC = 300 m
K = 105

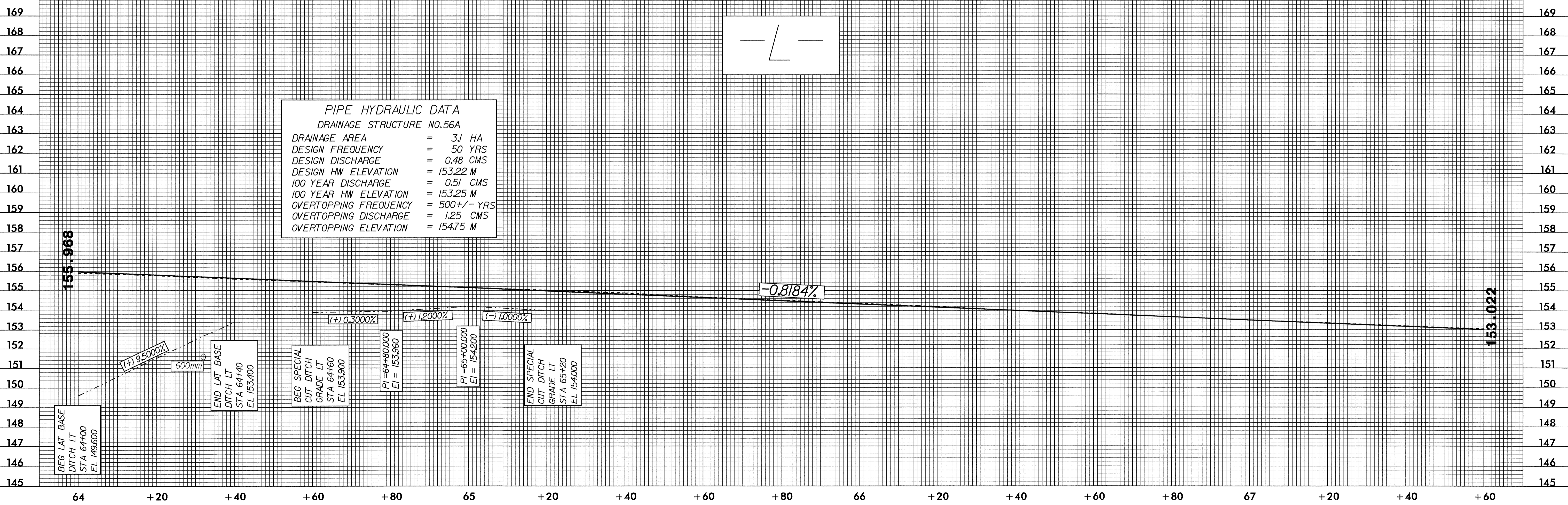
PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO. 53A
 DRAINAGE AREA = 4.0 HA
 DESIGN FREQUENCY = 50 YRS
 DESIGN DISCHARGE = 0.32 CMS
 DESIGN HW ELEVATION = 154.43 M
 100 YEAR DISCHARGE = 0.39 CMS
 100 YEAR HW ELEVATION = 154.53 M
 OVERTOPPING FREQUENCY = 100+/- YRS
 OVERTOPPING DISCHARGE = 0.39 CMS
 OVERTOPPING ELEVATION = 154.62 M

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO. 54A
 DRAINAGE AREA = 3.4 HA
 DESIGN FREQUENCY = 50 YRS
 DESIGN DISCHARGE = 0.52 CMS
 DESIGN HW ELEVATION = 152.92 M
 100 YEAR DISCHARGE = 0.56 CMS
 100 YEAR HW ELEVATION = 152.96 M
 OVERTOPPING FREQUENCY = 500+/- YRS
 OVERTOPPING DISCHARGE = 2.0 CMS
 OVERTOPPING ELEVATION = 154.75 M



PROJECT REFERENCE NO. R-2610B SHEET NO. 47
 ROADWAY DESIGN ENGINEER
 NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 22100
 RICHARD A. SHILLINGHAM
 HYDRAULICS ENGINEER
 NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 22100
 STEPHEN R. MORAN
 CONST. REV. R /W REV.

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO. 56A
 DRAINAGE AREA = 3.1 HA
 DESIGN FREQUENCY = 50 YRS
 DESIGN DISCHARGE = 0.48 CMS
 DESIGN HW ELEVATION = 153.22 M
 100 YEAR DISCHARGE = 0.51 CMS
 100 YEAR HW ELEVATION = 153.25 M
 OVERTOPPING FREQUENCY = 500+/- YRS
 OVERTOPPING DISCHARGE = 1.25 CMS
 OVERTOPPING ELEVATION = 154.75 M

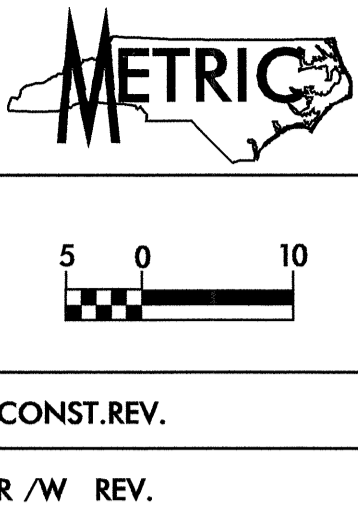


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 OVERTOPPING FREQUENCY = 500+/- YRS
 OVERTOPPING DISCHARGE = 1.25 CMS
 OVERTOPPING ELEVATION = 154.75 M

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO. 54A
 DRAINAGE AREA = 3.4 HA
 DESIGN FREQUENCY = 50 YRS
 DESIGN DISCHARGE = 0.52 CMS
 DESIGN HW ELEVATION = 152.92 M
 100 YEAR DISCHARGE = 0.56 CMS
 100 YEAR HW ELEVATION = 152.96 M
 OVERTOPPING FREQUENCY = 500+/- YRS
 OVERTOPPING DISCHARGE = 2.0 CMS
 OVERTOPPING ELEVATION = 154.75 M



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