

BM *54 RR SPIKE IN BASE OF 400mm PINE
55.338 RT OF -L- STA.291+42.740 EL= 43.044

METRIC

PROJECT REFERENCE NO. R-5130 SHEET NO. 86

ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER

CONST. REV. R/W REV.

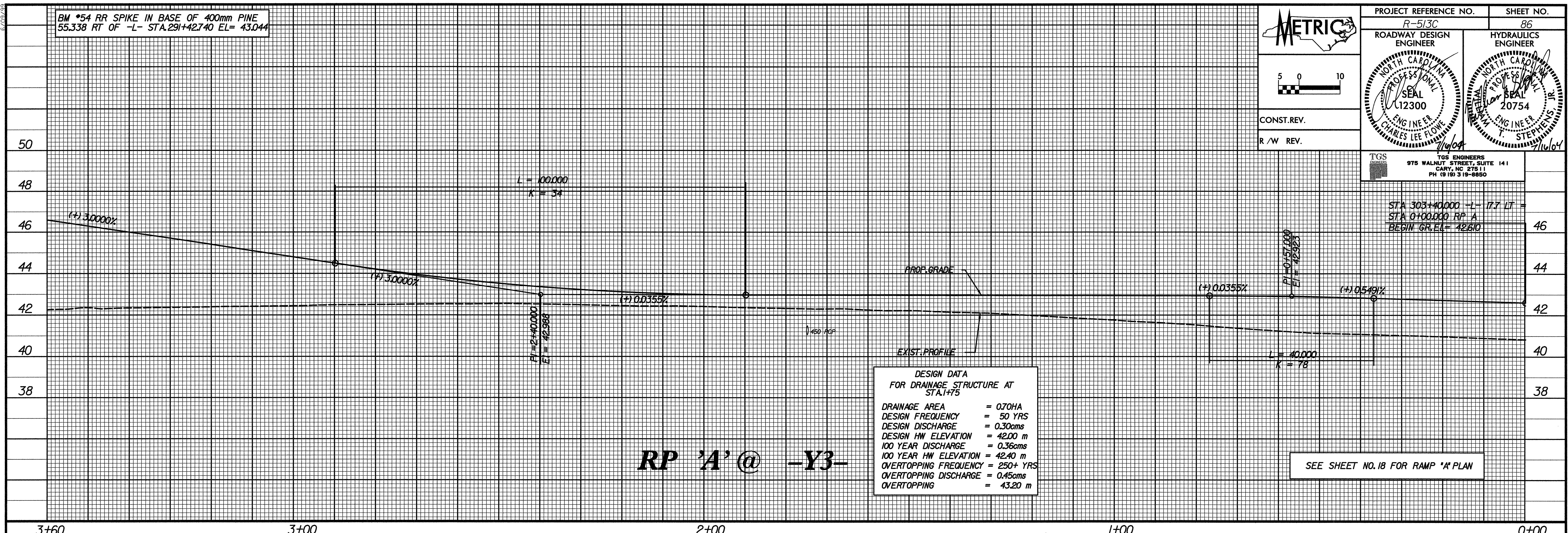
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TGS ENGINEERS
975 WALNUT STREET, SUITE 141
CARY, NC 27511
PH (919) 319-8850

PROFESSIONAL SEAL 12300
CHARLES LEE FLOWE
ENGINEER

PROFESSIONAL SEAL 20754
T. STEPHENS
ENGINEER

STA 303+40.000 -L- 17.7 LT =
STA 0+100.000 RP 'A'
BEGIN GR. EL = 42.610

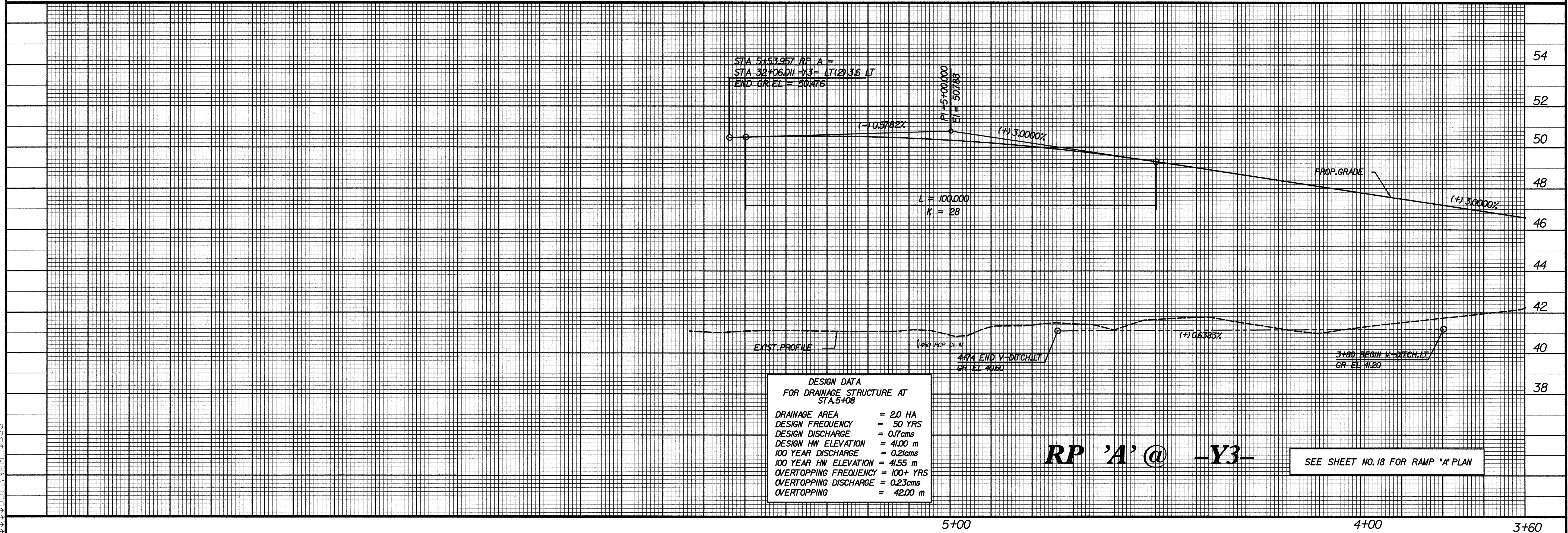


DESIGN DATA FOR DRAINAGE STRUCTURE AT STA.1+75

DRAINAGE AREA = 0.70HA
DESIGN FREQUENCY = 50 YRS
DESIGN DISCHARGE = 0.30cms
DESIGN HW ELEVATION = 42.00 m
100 YEAR DISCHARGE = 0.36cms
100 YEAR HW ELEVATION = 42.40 m
OVERTOPPING FREQUENCY = 250+ YRS
OVERTOPPING DISCHARGE = 0.45cms
OVERTOPPING = 43.20 m

RP 'A' @ -Y3-

SEE SHEET NO. 18 FOR RAMP 'A' PLAN



DESIGN DATA FOR DRAINAGE STRUCTURE AT STA.5+08

DRAINAGE AREA = 2.0 HA
DESIGN FREQUENCY = 50 YRS
DESIGN DISCHARGE = 0.7cms
DESIGN HW ELEVATION = 41.00 m
100 YEAR DISCHARGE = 0.21cms
100 YEAR HW ELEVATION = 41.55 m
OVERTOPPING FREQUENCY = 100+ YRS
OVERTOPPING DISCHARGE = 0.23cms
OVERTOPPING = 42.00 m

RP 'A' @ -Y3-

SEE SHEET NO. 18 FOR RAMP 'A' PLAN

SYSTEMS
DIGIT
US