

5/09/04

BM*2 - RR SPIKE IN BASE OF 350mm OAK
71.061m LT. -L- STA. 22+41.07 EL= 54.505

PIPE HYDRAULIC DATA	
DRAINAGE STRUCTURE NO.45	
DRAINAGE AREA	= 3.6 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 0.44 CMS
DESIGN HW ELEVATION	= 53.44 M
100 YEAR DISCHARGE	= 0.51 CMS
100 YEAR HW ELEVATION	= 53.59 M
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 1.9 CMS
OVERTOPPING ELEVATION	= 55.08 M

PI = 25+00.000
EL = 54.985 m
VC = 100 m
K = 133

DITCH LEGEND

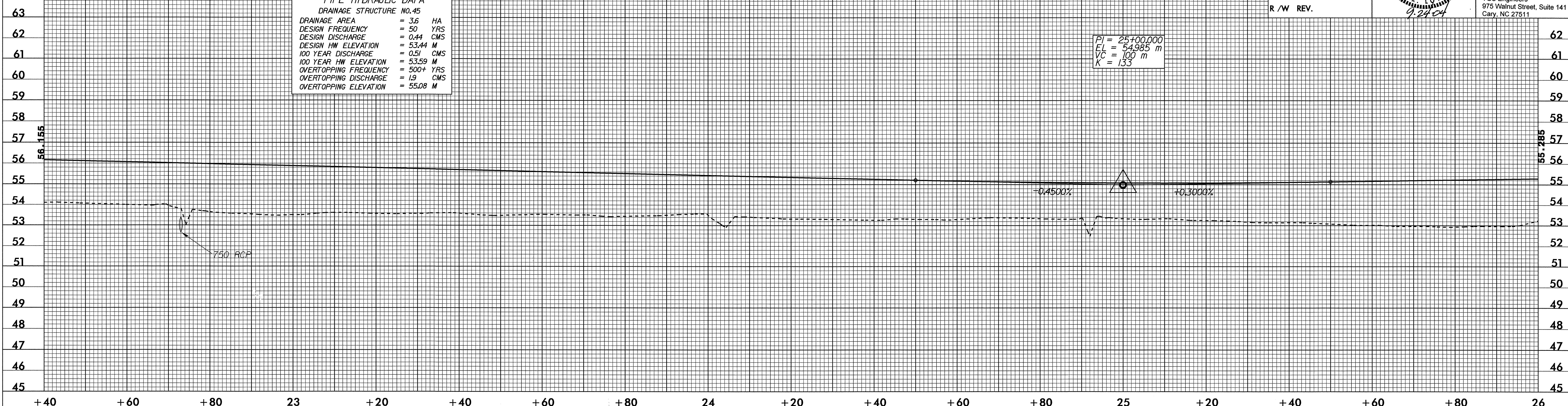
LEFT DITCH



CONST. REV.

R / W REV.

PROJECT REFERENCE NO. R-0513A	SHEET NO. 32
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
TGS Engineers 975 Walnut Street, Suite 141 Cary, NC 27511	



BM*3 - RR SPIKE IN BASE OF 250mm WATER OAK
91.913m RT. -L- STA. 28+42.89 EL= 53.846

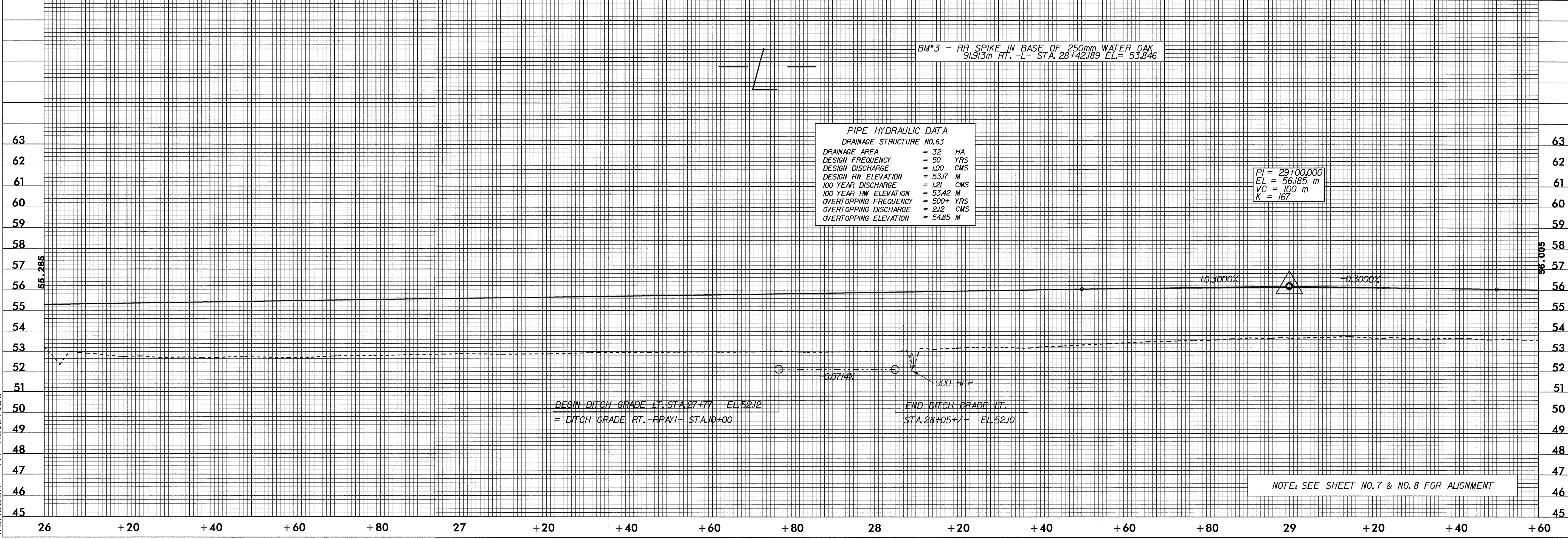
PIPE HYDRAULIC DATA	
DRAINAGE STRUCTURE NO.63	
DRAINAGE AREA	= 32 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 1.00 CMS
DESIGN HW ELEVATION	= 53.7 M
100 YEAR DISCHARGE	= 1.21 CMS
100 YEAR HW ELEVATION	= 53.42 M
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 2.12 CMS
OVERTOPPING ELEVATION	= 54.85 M

PI = 29+00.000
EL = 56.185 m
VC = 100 m
K = 167

BEGIN DITCH GRADE LT. STA. 27+77 EL. 52.12
= DITCH GRADE RT. -RPLY- STA. 10+00

END DITCH GRADE LT.
STA. 28+05+71 EL. 52.10

NOTE: SEE SHEET NO.7 & NO.8 FOR ALIGNMENT



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