PROJECT REFERENCE NO.	SHEET NO.
R-5130	93

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

METRIC

5 0 10

CONST.REV.

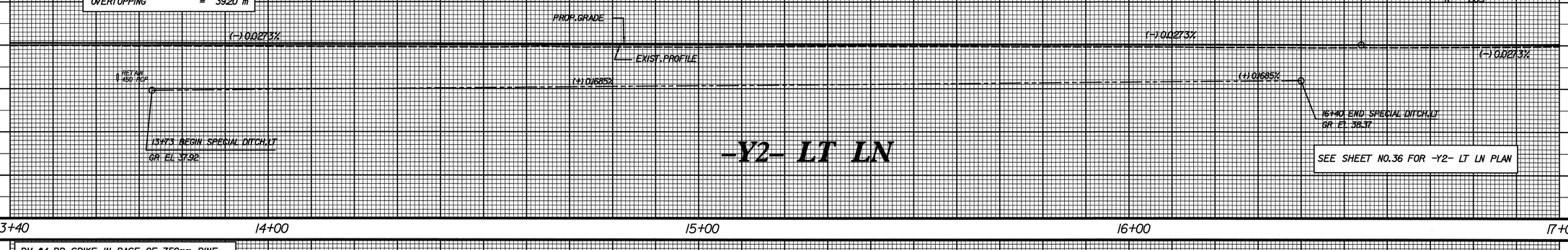
R/W REV.

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

BM #4 RR SPIKE IN BASE OF 750mm PINE
86.610 RT OF -L- STA.284+93.432 EL= 42.011

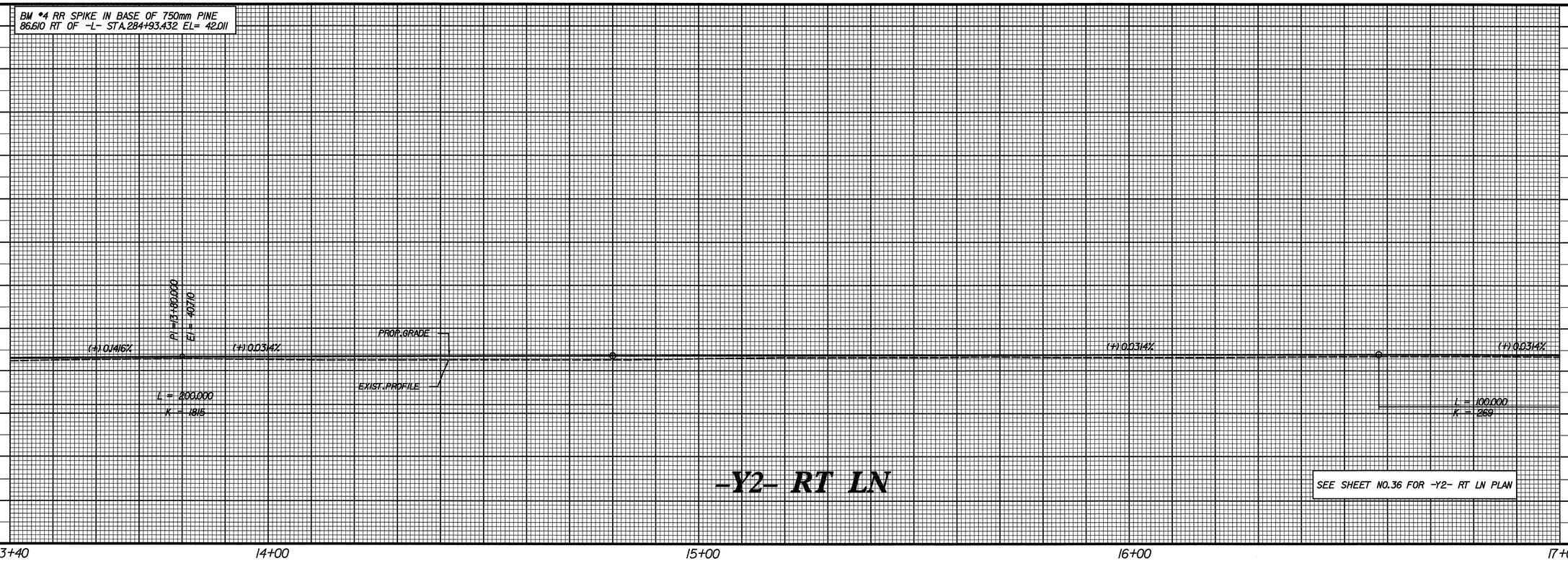
DESIGN DATA
FOR DRAINAGE STRUCTURE AT
STA.13+65

DRAINAGE AREA	=	2.0 HA
DESIGN FREQUENCY	=	50 YRS
DESIGN DISCHARGE	=	0.12cms
DESIGN HW ELEVATION	=	39.79 m
100 YEAR DISCHARGE	=	0.15cms
100 YEAR HW ELEVATION	=	38.83 m
OVERTOPPING FREQUENCY	=	500+ YRS
OVERTOPPING DISCHARGE	=	0.33cms
OVERTOPPING	=	39.20 m



SEE SHEET NO.36 FOR -Y2- LT LN PLAN

BM #4 RR SPIKE IN BASE OF 750mm PINE
86.610 RT OF -L- STA.284+93.432 EL= 42.011



SEE SHEET NO.36 FOR -Y2- RT LN PLAN

$$$$SYSTIME$$$$
$$$$DGN$$$$
$$$$USERNAME$$$$

R5130\WORK\R5130-Y.PFL 07/14/04 09:05:38 AM