PROJECT REFERENCE NO.	SHEET NO.
R-5130	65

METRIC

5 0 10

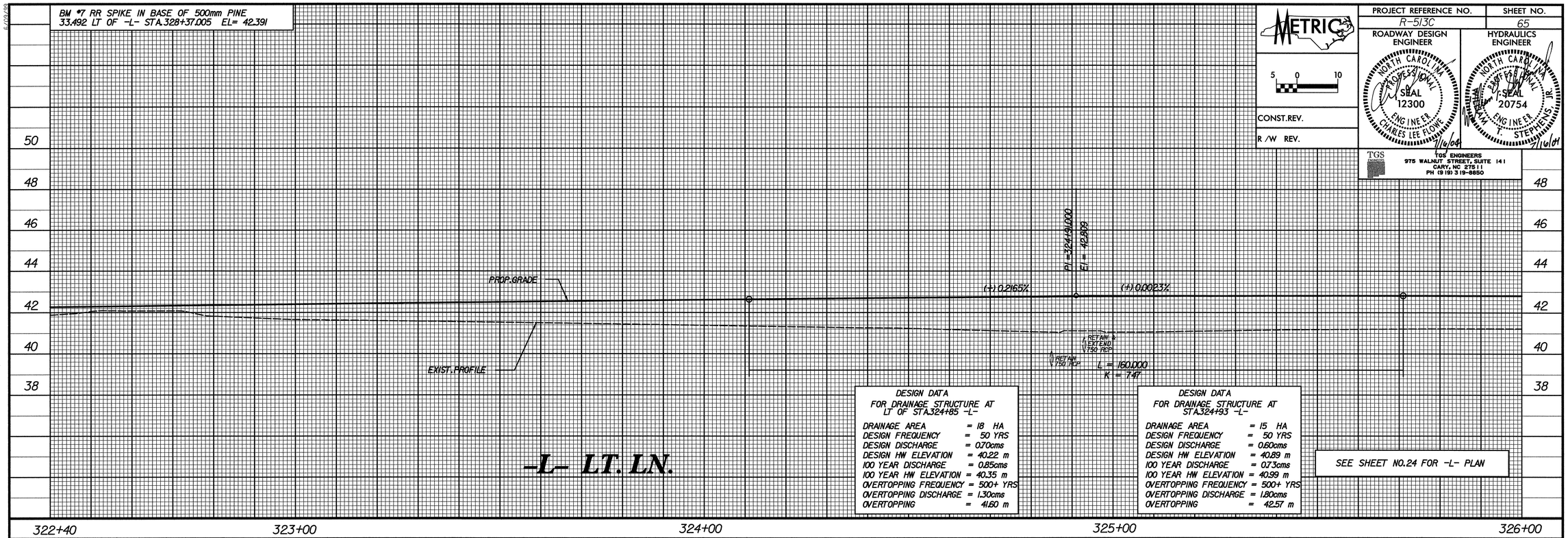
CONST.REV.

R/W REV.

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 12300 ENGINEER CHARLES LEE FLOYD JR.
7/16/04

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 20754 ENGINEER WILLIAM T. STEPHENS JR.
7/16/04

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



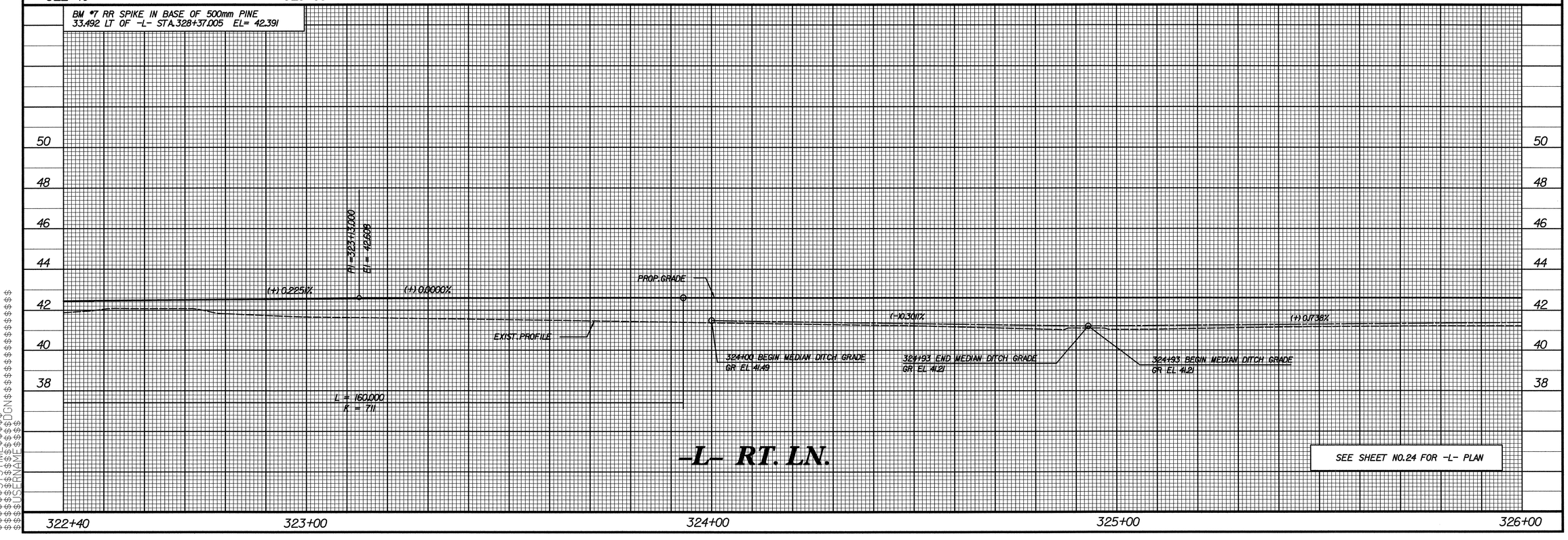
DESIGN DATA
FOR DRAINAGE STRUCTURE AT
LT OF STA.324+85 -L-

DRAINAGE AREA	= 18 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 0.70cms
DESIGN HW ELEVATION	= 40.22 m
100 YEAR DISCHARGE	= 0.85cms
100 YEAR HW ELEVATION	= 40.35 m
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 1.30cms
OVERTOPPING	= 41.60 m

DESIGN DATA
FOR DRAINAGE STRUCTURE AT
STA.324+93 -L-

DRAINAGE AREA	= 15 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 0.60cms
DESIGN HW ELEVATION	= 40.89 m
100 YEAR DISCHARGE	= 0.73cms
100 YEAR HW ELEVATION	= 40.99 m
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 1.80cms
OVERTOPPING	= 42.57 m

SEE SHEET NO.24 FOR -L- PLAN



SEE SHEET NO.24 FOR -L- PLAN

$$$$SYSTIME$$$$DGN$$$$$$$$$$
$$$$USERNAME$$$$$$$$$$
6/09/2003
\R5130\WORK\R5130-L.PFL 07/14/04 12:55:41 PM