PROJECT REFERENCE NO.	SHEET NO.
R-513C	55

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 12300 ENGINEER CHARLES LEE FLOWE 7/16/04

HYDRAULICS ENGINEER

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

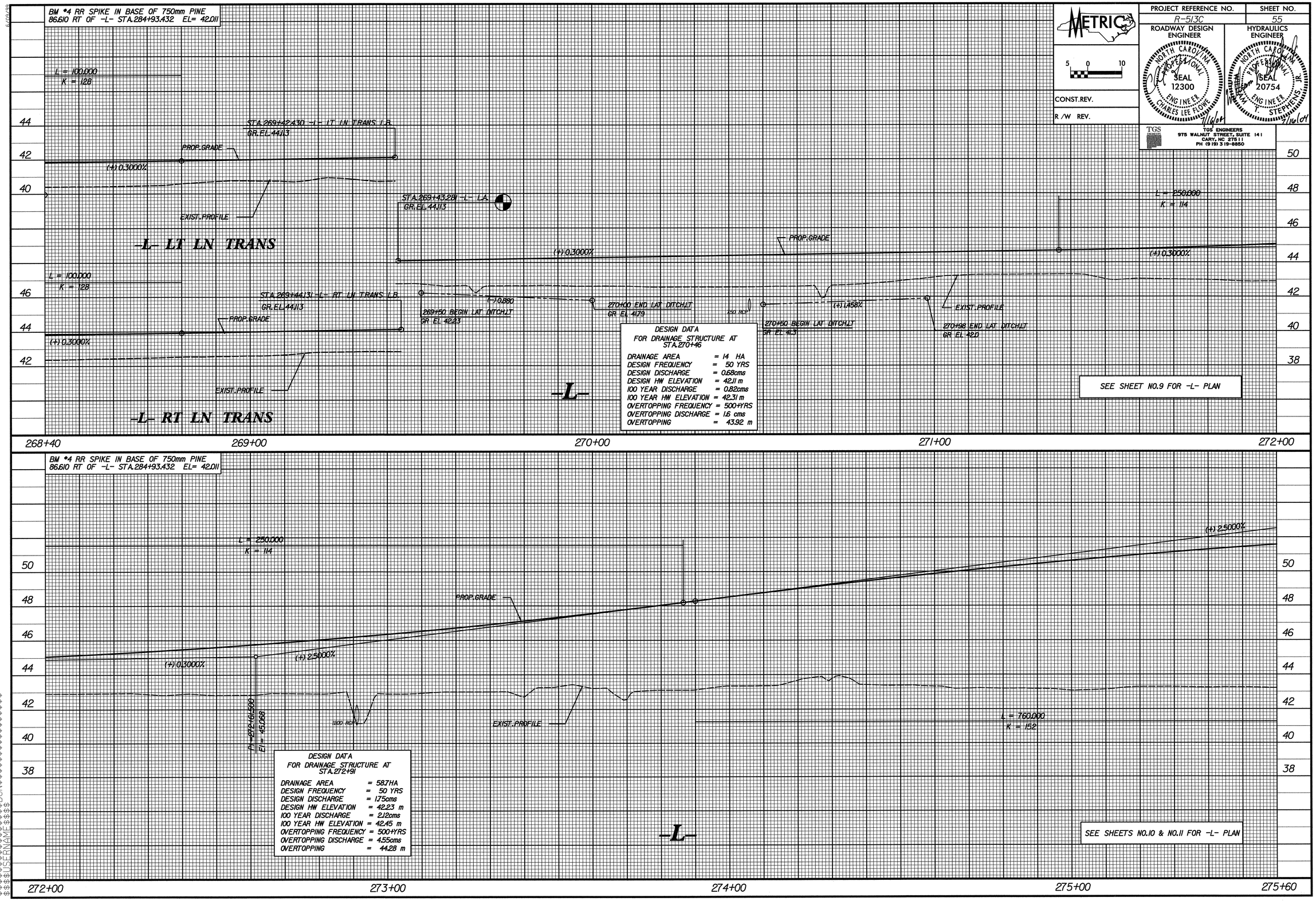
METRIC

5 0 10

CONST. REV.

R/W REV.

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



DESIGN DATA
FOR DRAINAGE STRUCTURE AT
STA.270+46

DRAINAGE AREA	= 14 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 0.68cms
DESIGN HW ELEVATION	= 42.11 m
100 YEAR DISCHARGE	= 0.82cms
100 YEAR HW ELEVATION	= 42.31 m
OVERTOPPING FREQUENCY	= 500+YRS
OVERTOPPING DISCHARGE	= 1.6 cms
OVERTOPPING	= 43.92 m

DESIGN DATA
FOR DRAINAGE STRUCTURE AT
STA.272+91

DRAINAGE AREA	= 58.7HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 1.75cms
DESIGN HW ELEVATION	= 42.23 m
100 YEAR DISCHARGE	= 2.12cms
100 YEAR HW ELEVATION	= 42.45 m
OVERTOPPING FREQUENCY	= 500+YRS
OVERTOPPING DISCHARGE	= 4.55cms
OVERTOPPING	= 44.28 m

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6/09/99

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