

DITCH LEGEND	
LEFT DITCH	-----
RIGHT DITCH	-----

METRIC

PROJECT REFERENCE NO. U-2734 SHEET NO. 21

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

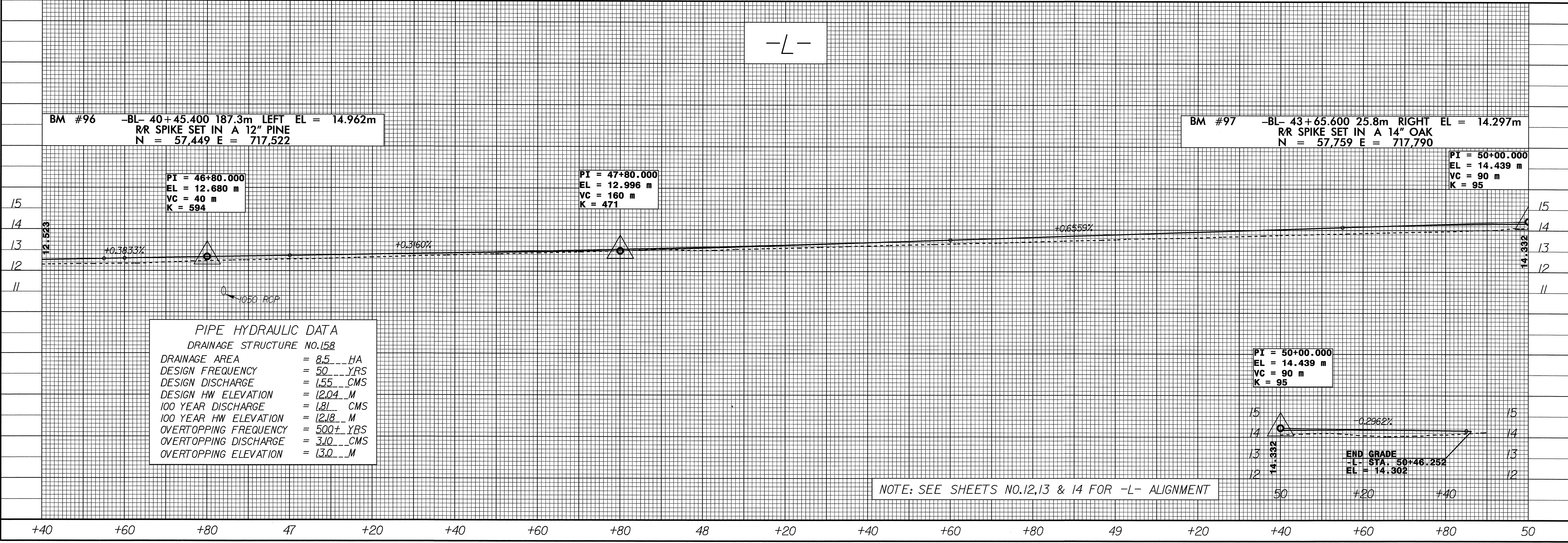
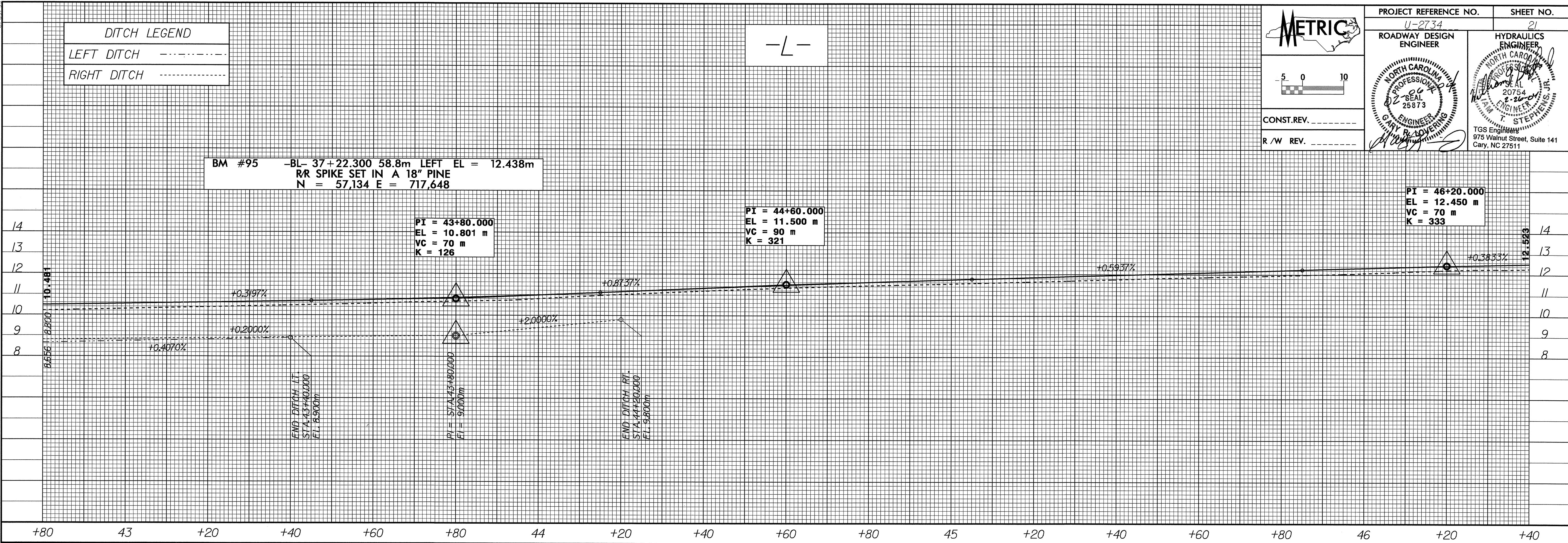
CONST. REV. _____

R / W REV. _____

Professional Engineer Seal: NORTH CAROLINA, 20754, 2-20-07, 25873

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TGS Engineering
975 Walnut Street, Suite 141
Cary, NC 27511



PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.158

DRAINAGE AREA	= 8.5 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 155 CMS
DESIGN HW ELEVATION	= 12.04 M
100 YEAR DISCHARGE	= 181 CMS
100 YEAR HW ELEVATION	= 12.18 M
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 310 CMS
OVERTOPPING ELEVATION	= 13.0 M

NOTE: SEE SHEETS NO.12,13 & 14 FOR -L- ALIGNMENT

03-DEC-2003 14:14
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BrandonJohnson AI_R0187165