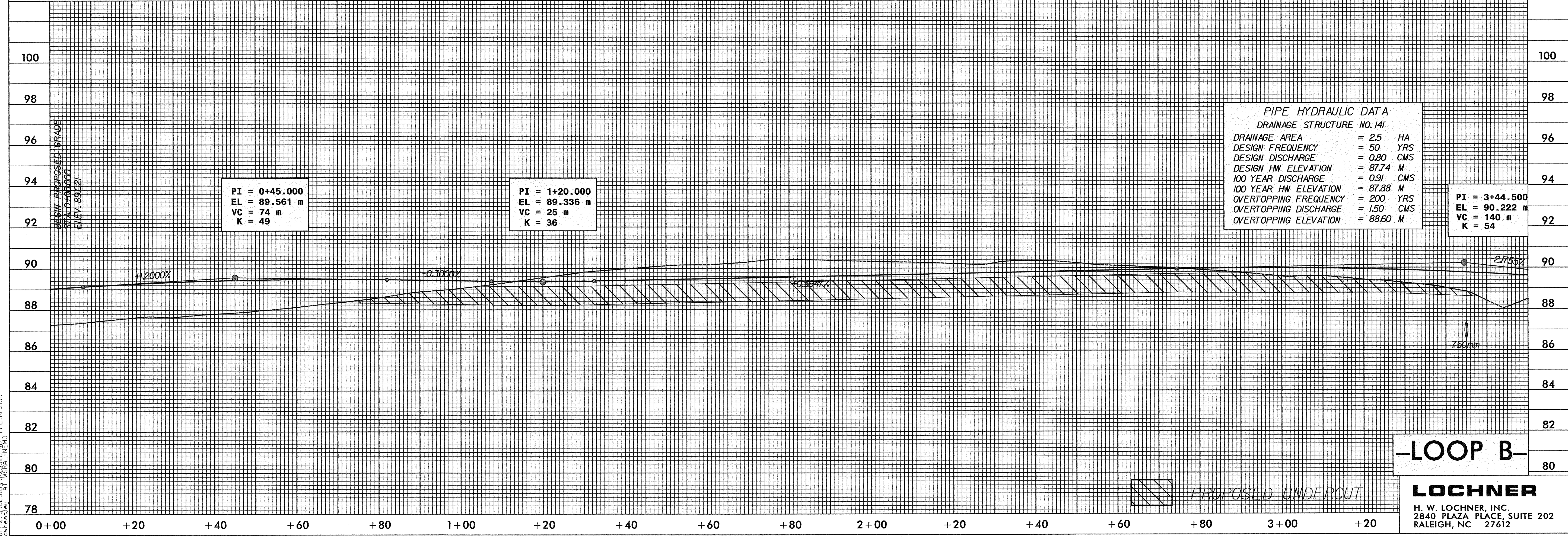
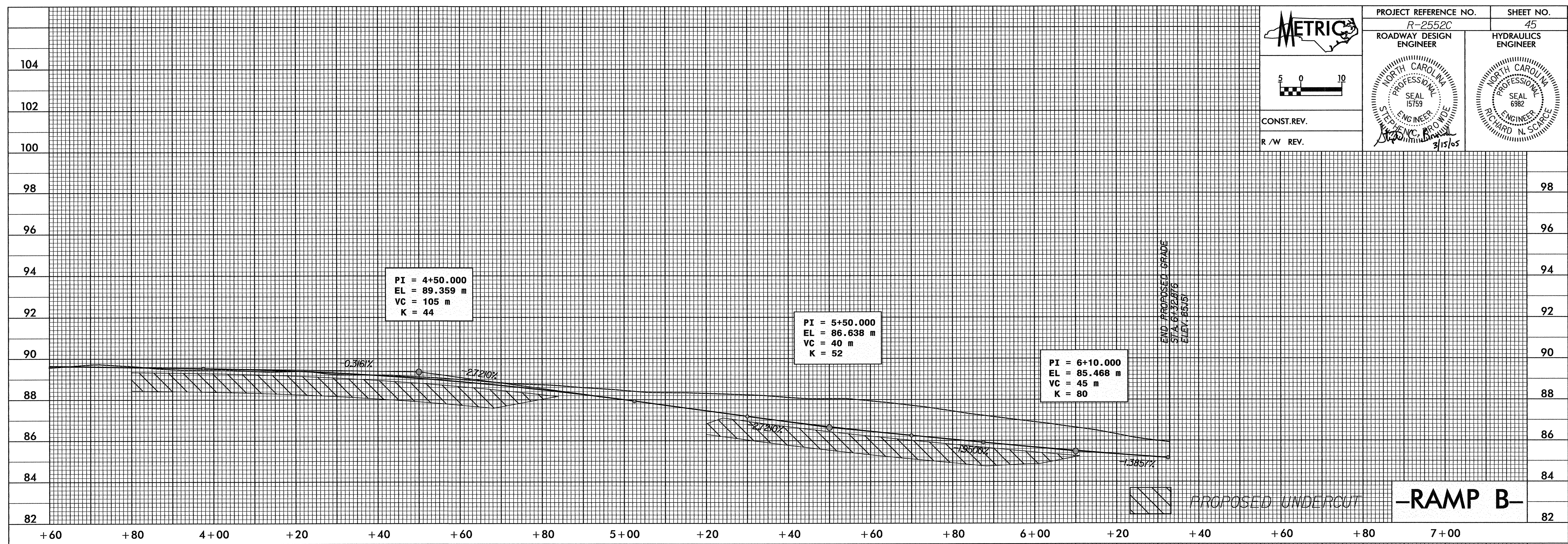


CONST. REV.
R/W REV.

PROJECT REFERENCE NO. R-2552C ROADWAY DESIGN ENGINEER	SHEET NO. 45 HYDRAULICS ENGINEER



PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO. 141

DRAINAGE AREA	= 2.5	HA
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 0.80	CMS
DESIGN HW ELEVATION	= 87.74	M
100 YEAR DISCHARGE	= 0.91	CMS
100 YEAR HW ELEVATION	= 87.88	M
OVERTOPPING FREQUENCY	= 200	YRS
OVERTOPPING DISCHARGE	= 1.50	CMS
OVERTOPPING ELEVATION	= 88.60	M

LOCHNER
H. W. LOCHNER, INC.
2840 PLAZA PLACE, SUITE 202
RALEIGH, NC 27612

IT-MAF-2005 (R-52)
JUL 12/05 N.065 (R-52)
3/15/05 11:58 AM R-2552C-REV. PFL-RR-DDN