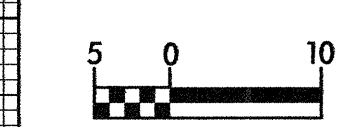




PROJECT REFERENCE NO. R-2552C  
 ROADWAY DESIGN ENGINEER  
 SEAL 15759  
 9/15/05

SHEET NO. 36  
 HYDRAULICS ENGINEER  
 SEAL 6982  
 RICHARD N. SCARLE

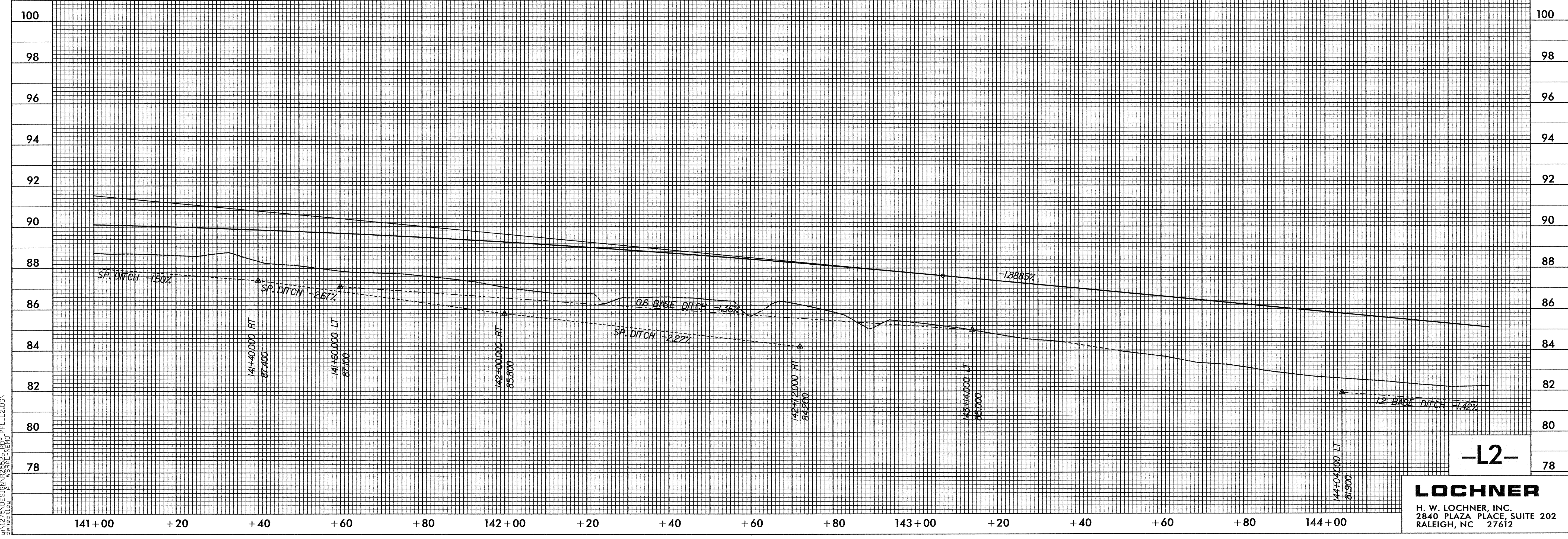
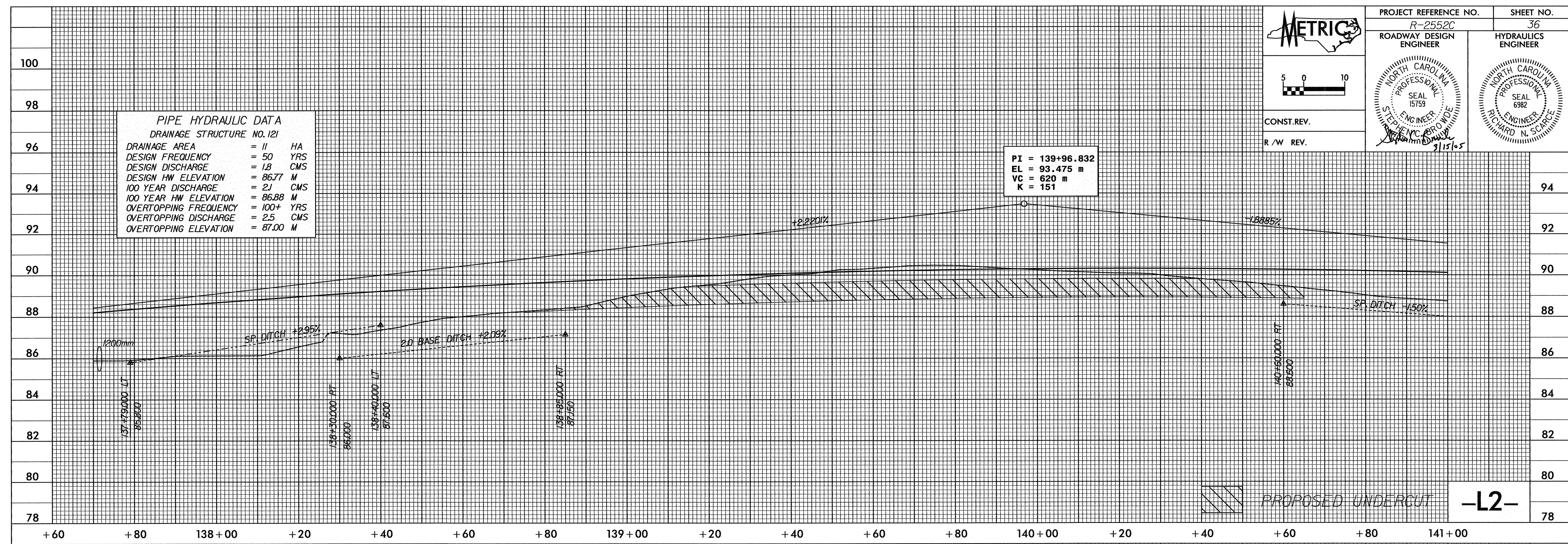


CONST. REV.  
 R / W REV.

**PIPE HYDRAULIC DATA**  
 DRAINAGE STRUCTURE NO. 121

DRAINAGE AREA	= 11	HA
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 1.8	CMS
DESIGN HW ELEVATION	= 86.77	M
100 YEAR DISCHARGE	= 2.1	CMS
100 YEAR HW ELEVATION	= 86.88	M
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 2.5	CMS
OVERTOPPING ELEVATION	= 87.00	M

PI = 139+96.832  
 EL = 93.475 m  
 VC = 620 m  
 K = 151



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

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