PROJECT REFERENCE NO.	SHEET NO.
R-513 BB	36

METRIC

CONST.REV.

R /W REV.

ROADWAY DESIGN ENGINEER

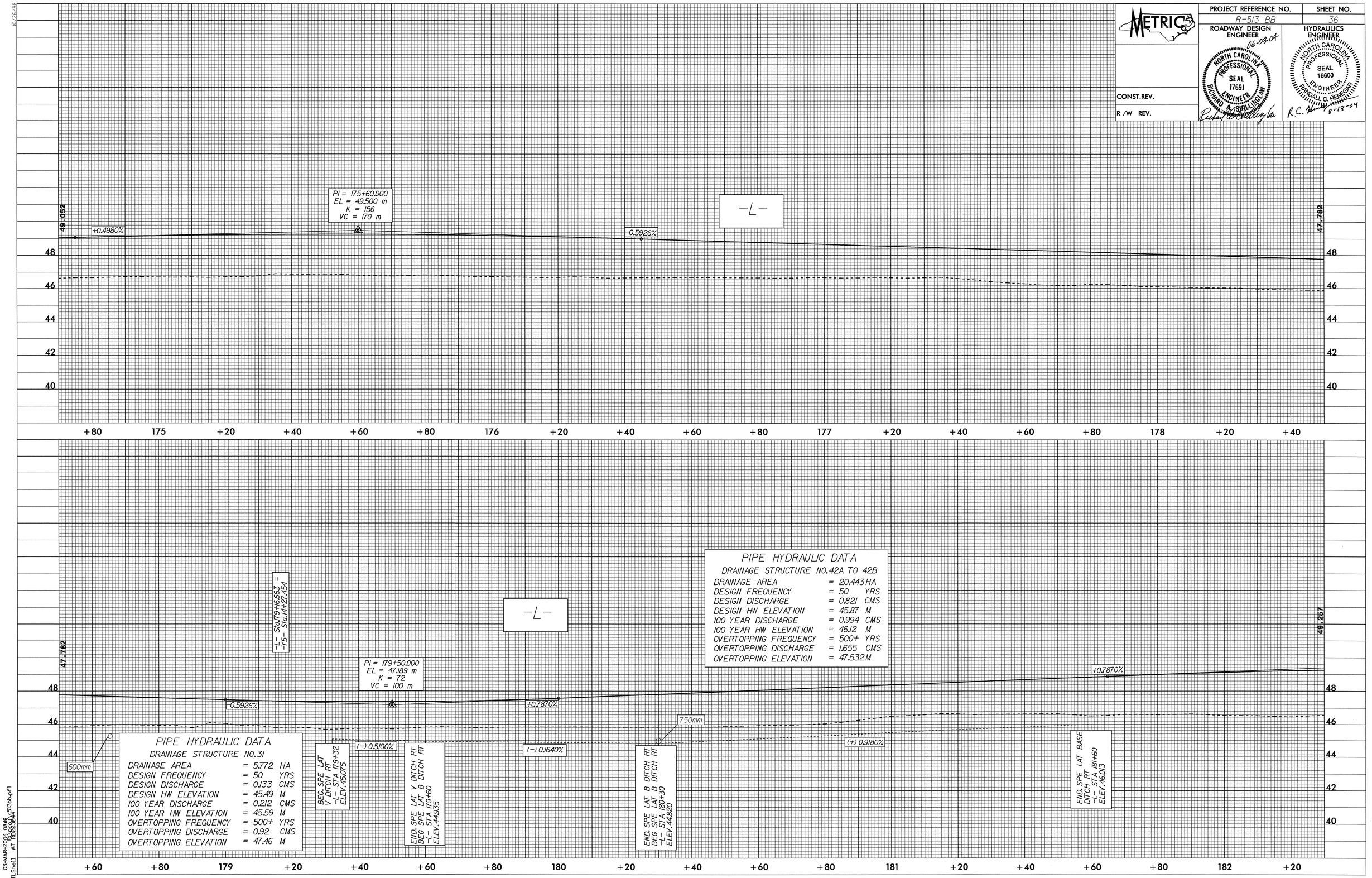
06-03-04

NORTH CAROLINA PROFESSIONAL SEAL 17691 ENGINEER RICHARD A. SHILLINGLAW

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 16600 ENGINEER RANDALL C. HENEGAR

8-18-04



PIPE HYDRAULIC DATA

DRAINAGE STRUCTURE NO. 42A TO 42B

DRAINAGE AREA	= 20.443	HA
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 0.821	CMS
DESIGN HW ELEVATION	= 45.87	M
100 YEAR DISCHARGE	= 0.994	CMS
100 YEAR HW ELEVATION	= 46.12	M
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 1.655	CMS
OVERTOPPING ELEVATION	= 47.532	M

PIPE HYDRAULIC DATA

DRAINAGE STRUCTURE NO. 31

DRAINAGE AREA	= 5.772	HA
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 0.133	CMS
DESIGN HW ELEVATION	= 45.49	M
100 YEAR DISCHARGE	= 0.212	CMS
100 YEAR HW ELEVATION	= 45.59	M
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 0.92	CMS
OVERTOPPING ELEVATION	= 47.46	M

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