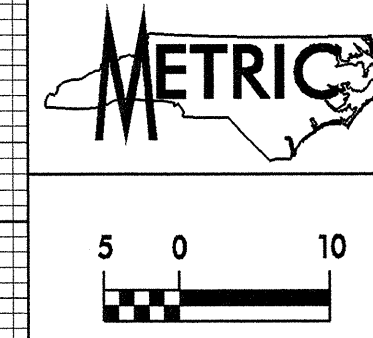


ROADWAY DESIGN BY:
TAYLOR • WISEMAN & TAYLOR
 ENGINEERS • SURVEYORS • PLANNERS
 G. P. S. • SUBSURFACE UTILITY ENGINEERING
 3500 REGENCY PARKWAY, SUITE H, CARY, N.C. 27511
 TELEPHONE NO. (919)297-0085 FAX NO. (919)297-0090

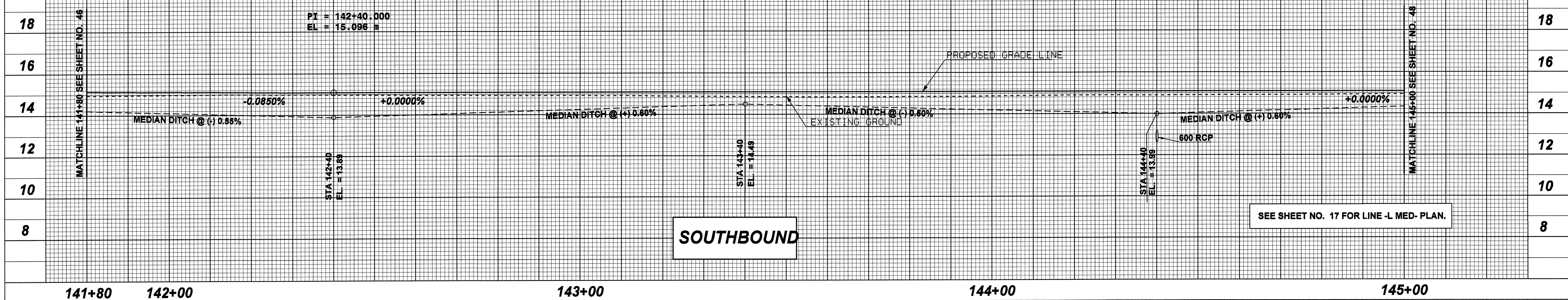


PROJECT REFERENCE NO. R-2514A	SHEET NO. 47
ROADWAY DESIGN ENGINEER JAMES H. JATKO	HYDRAULICS ENGINEER R. D. LOVINGOOD

Professional Engineer seals for James H. Jatko (No. 02239423) and R. D. Lovingood (No. 19776).

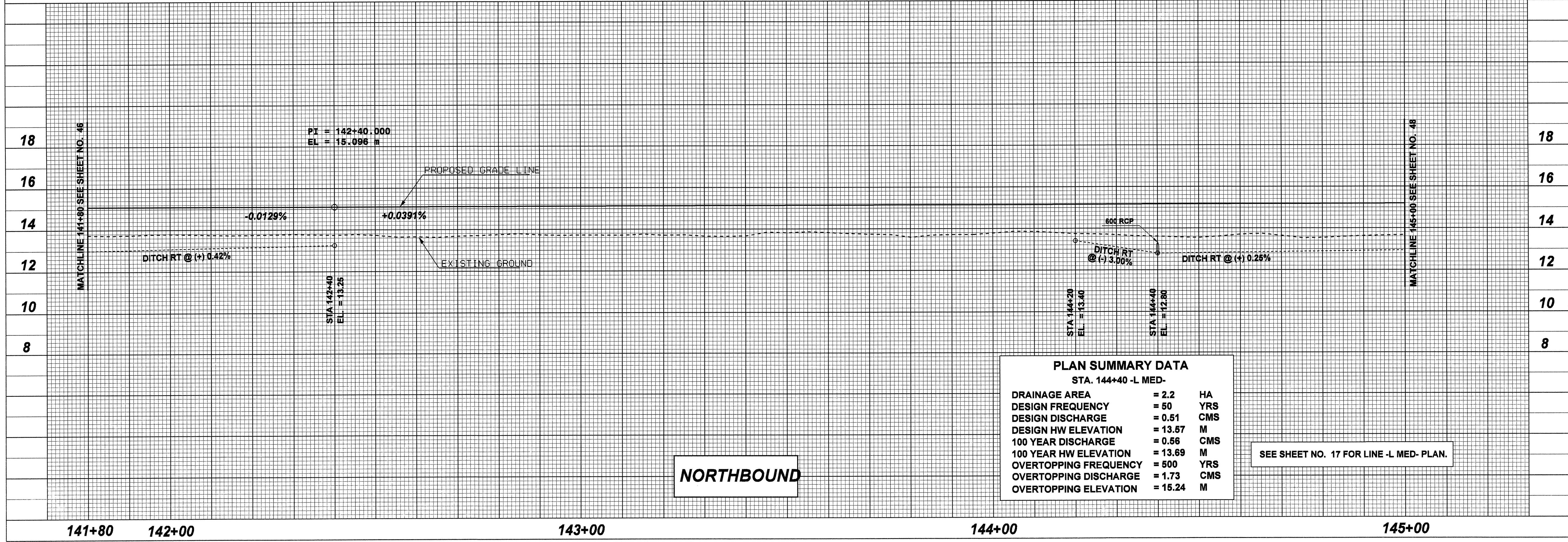
CONST. REV.
R / W REV.

HYDRAULIC DESIGN :
TRANSYSTEMS CORPORATION
 4917 Waters Edge Drive, Suite 235
 Raleigh, NC 27606 (919) 233-8125



SOUTHBOUND

SEE SHEET NO. 17 FOR LINE -L MED- PLAN.



NORTHBOUND

SEE SHEET NO. 17 FOR LINE -L MED- PLAN.

PLAN SUMMARY DATA
 STA. 144+40 -L MED-

DRAINAGE AREA	= 2.2	HA
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 0.51	CMS
DESIGN HW ELEVATION	= 13.57	M
100 YEAR DISCHARGE	= 0.56	CMS
100 YEAR HW ELEVATION	= 13.69	M
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING DISCHARGE	= 1.73	CMS
OVERTOPPING ELEVATION	= 15.24	M