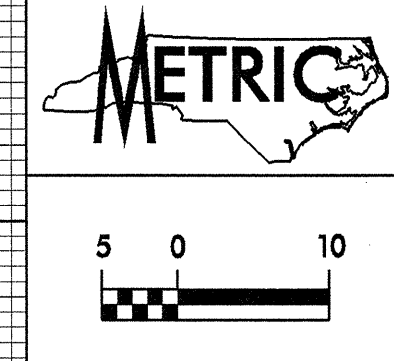


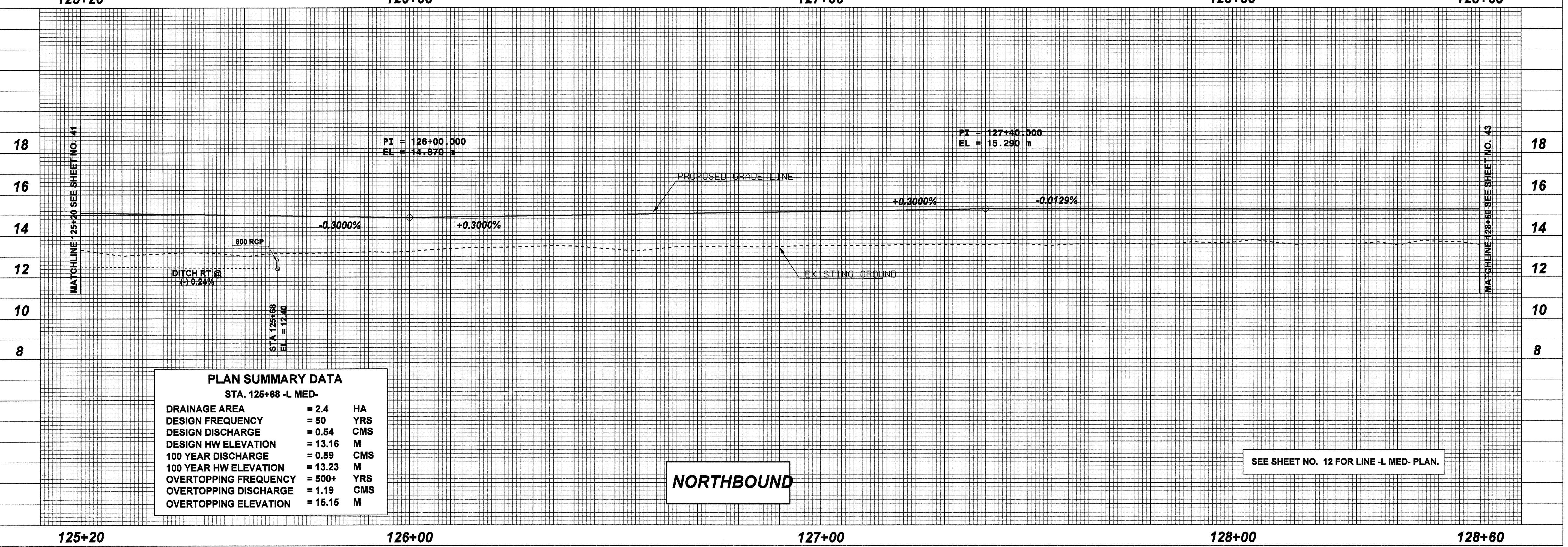
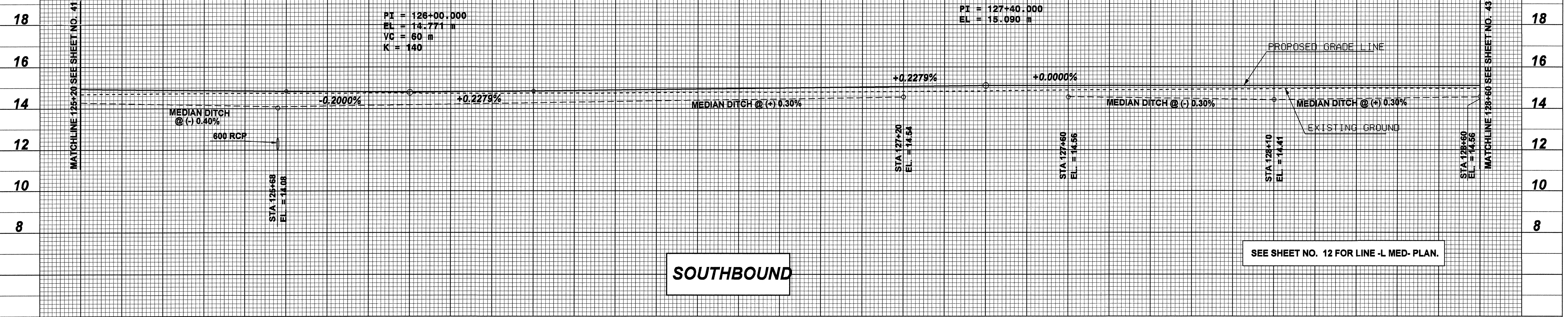
ROADWAY DESIGN BY:
TAYLOR • WISEMAN & TAYLOR
 ENGINEERS • SURVEYORS • PLANNERS
 G.P.S. • SUBSURFACE UTILITY ENGINEERING
 3500 REGENCY PARKWAY, SUITE H, CARY, N.C. 27511
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PROJECT REFERENCE NO. R-2514A
 ROADWAY DESIGN ENGINEER
 SHEET NO. 42
 HYDRAULICS ENGINEER
 NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 19775
 JAMES H. JATTO
 RAY D. LOYINGOOD
 13 Oct 03

HYDRAULIC DESIGN :
 TRANSYSTEMS CORPORATION
 4917 Waters Edge Drive, Suite 235
 Raleigh, NC 27606 (919) 233-9125

CONST. REV.
 R / W REV.



PLAN SUMMARY DATA
 STA. 125+68 -L MED-

DRAINAGE AREA	= 2.4	HA
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 0.54	CMS
DESIGN HW ELEVATION	= 13.16	M
100 YEAR DISCHARGE	= 0.59	CMS
100 YEAR HW ELEVATION	= 13.23	M
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 1.19	CMS
OVERTOPPING ELEVATION	= 15.15	M