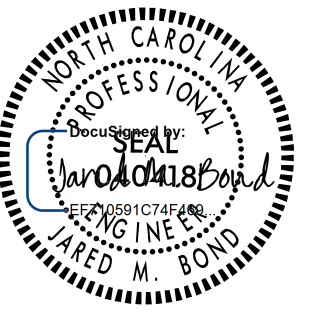

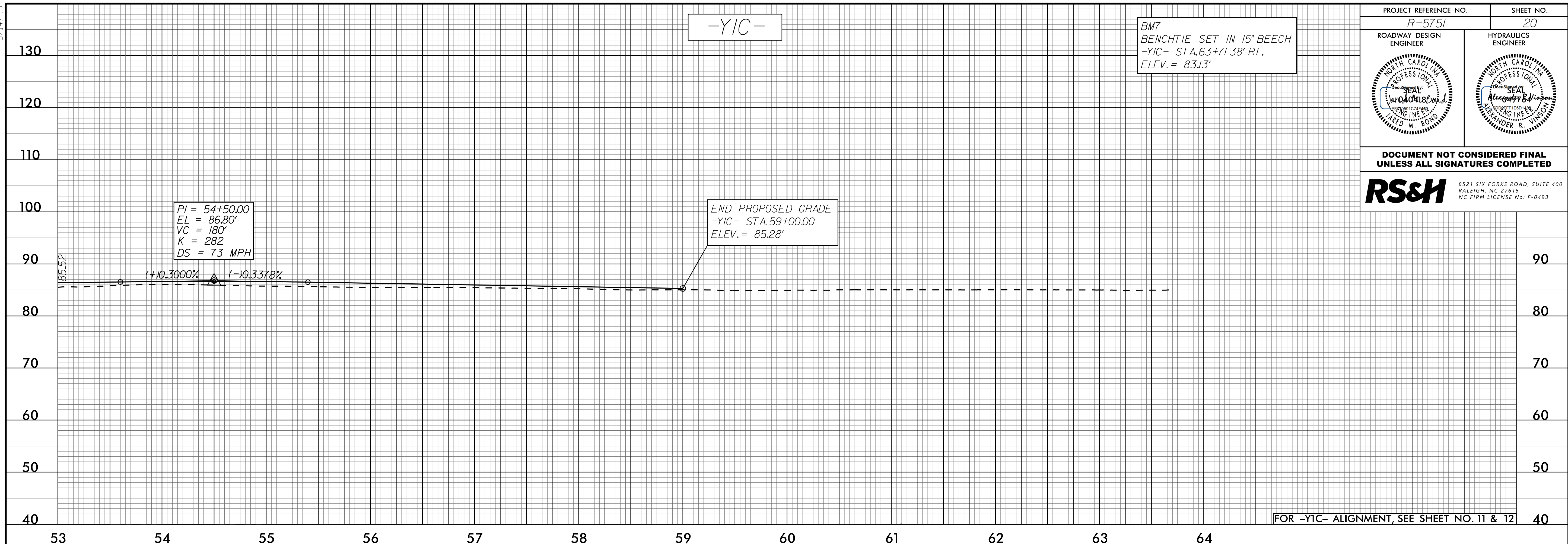


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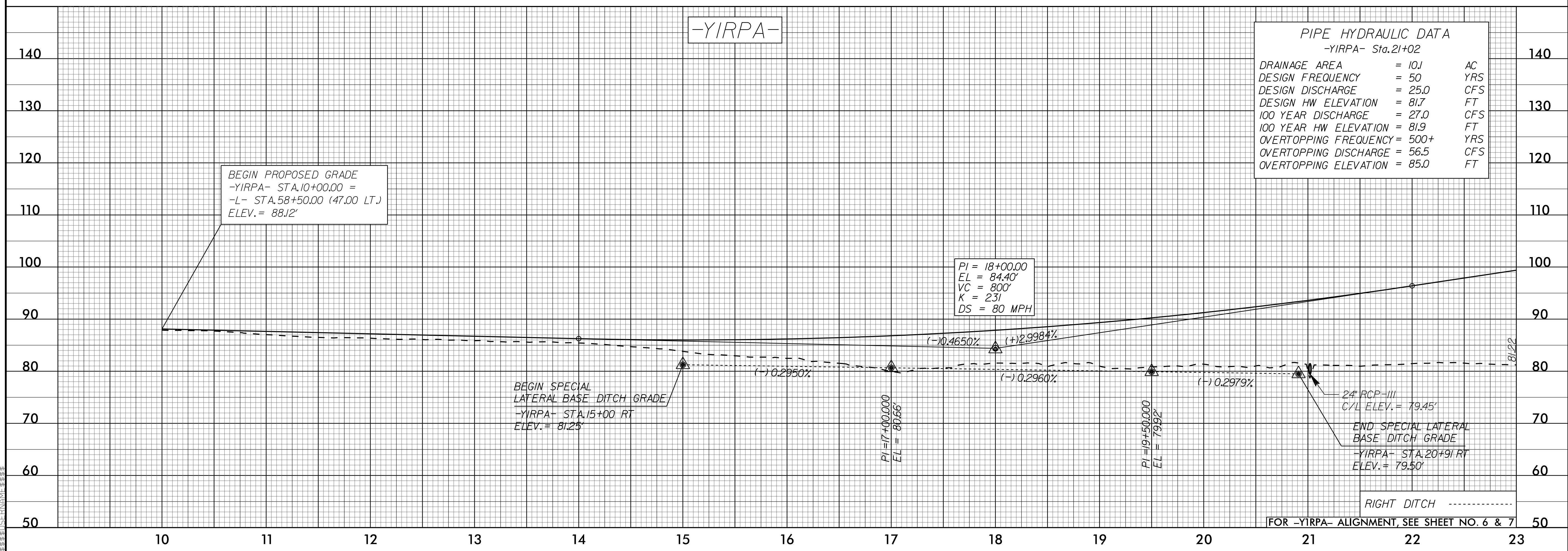
PROJECT REFERENCE NO. R-5751	SHEET NO. 20
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER 

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

RS&H 8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
NC FIRM LICENSE No: F-0493



FOR -YIC- ALIGNMENT, SEE SHEET NO. 11 & 12



PIPE HYDRAULIC DATA
-YIRPA- Sta.21+02

DRAINAGE AREA	= 10.1	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 25.0	CFS
DESIGN HW ELEVATION	= 81.7	FT
100 YEAR DISCHARGE	= 27.0	CFS
100 YEAR HW ELEVATION	= 81.9	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 56.5	CFS
OVERTOPPING ELEVATION	= 85.0	FT

RIGHT DITCH
FOR -YIRPA- ALIGNMENT, SEE SHEET NO. 6 & 7

05-001-2002-10-42-R5751-Rdy-pl-20.dgn