

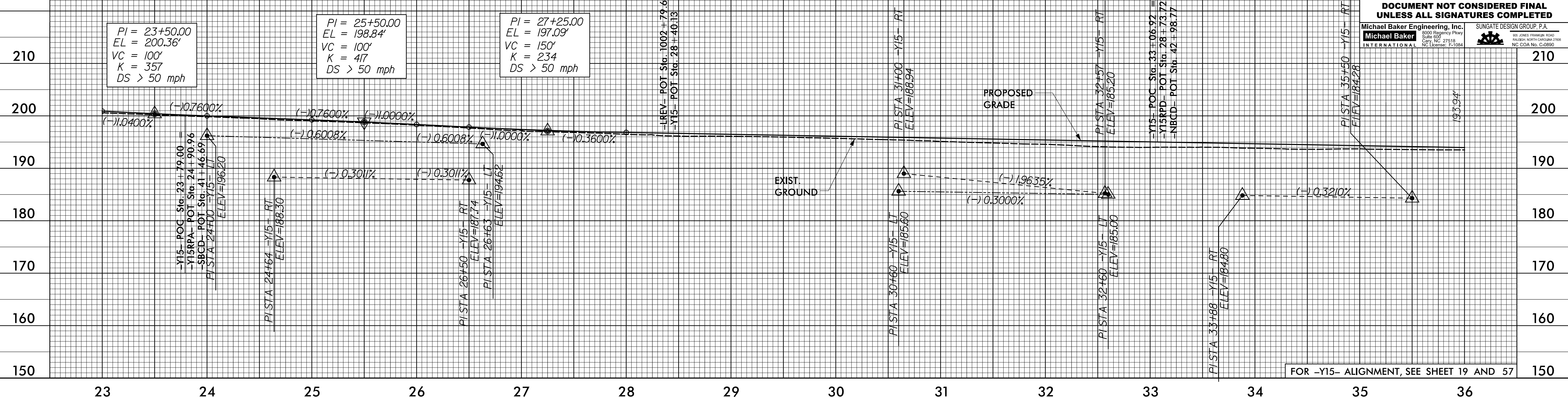
PROJECT REFERENCE NO. 1-5878	SHEET NO. 92
ROADWAY DESIGN ENGINEER SEAL 027373 SUSAN C. LANCASTER	HYDRAULICS ENGINEER PROFESSIONAL SEAL 26971 JOSHUA G. DALTON
4/26/2022	4/26/2022

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

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100 JONES FRANKLIN ROAD  
RALEIGH, NORTH CAROLINA 27609  
NC CDR No. C-2890

# -Y15-



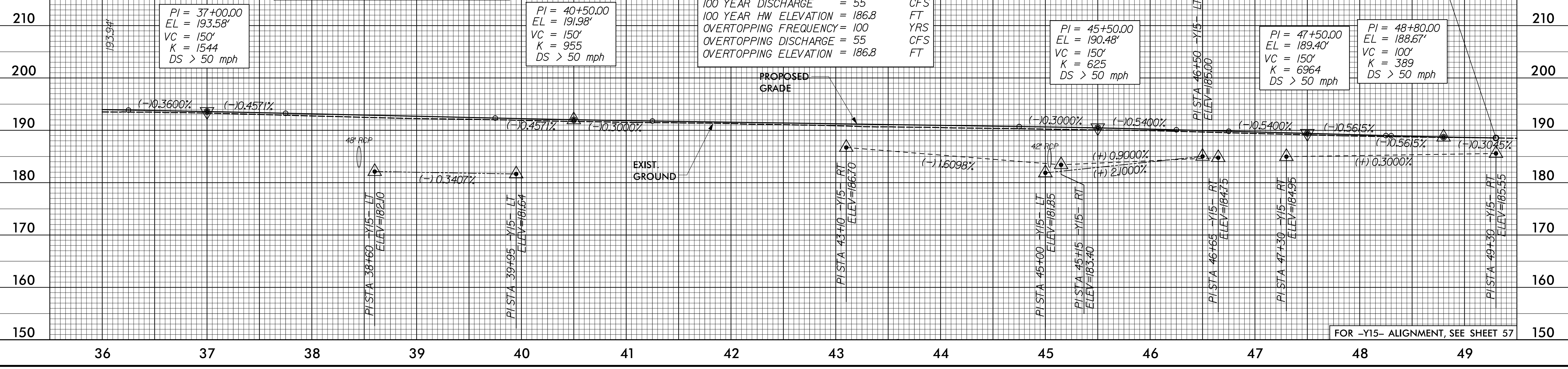
**PIPE HYDRAULIC DATA**  
48" RCP Sta. 38+45 -Y15-

DRAINAGE AREA	= 25	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 85	CFS
DESIGN HW ELEVATION	= 187.5	FT
100 YEAR DISCHARGE	= 90	CFS
100 YEAR HW ELEVATION	= 187.7	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 180	CFS
OVERTOPPING ELEVATION	= 192.2	FT

# -Y15-

**PIPE HYDRAULIC DATA**  
42" RCP Sta. 45+04 -Y15-

DRAINAGE AREA	= 19.4	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 53	CFS
DESIGN HW ELEVATION	= 186.7	FT
100 YEAR DISCHARGE	= 55	CFS
100 YEAR HW ELEVATION	= 186.8	FT
OVERTOPPING FREQUENCY	= 100	YRS
OVERTOPPING DISCHARGE	= 55	CFS
OVERTOPPING ELEVATION	= 186.8	FT



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