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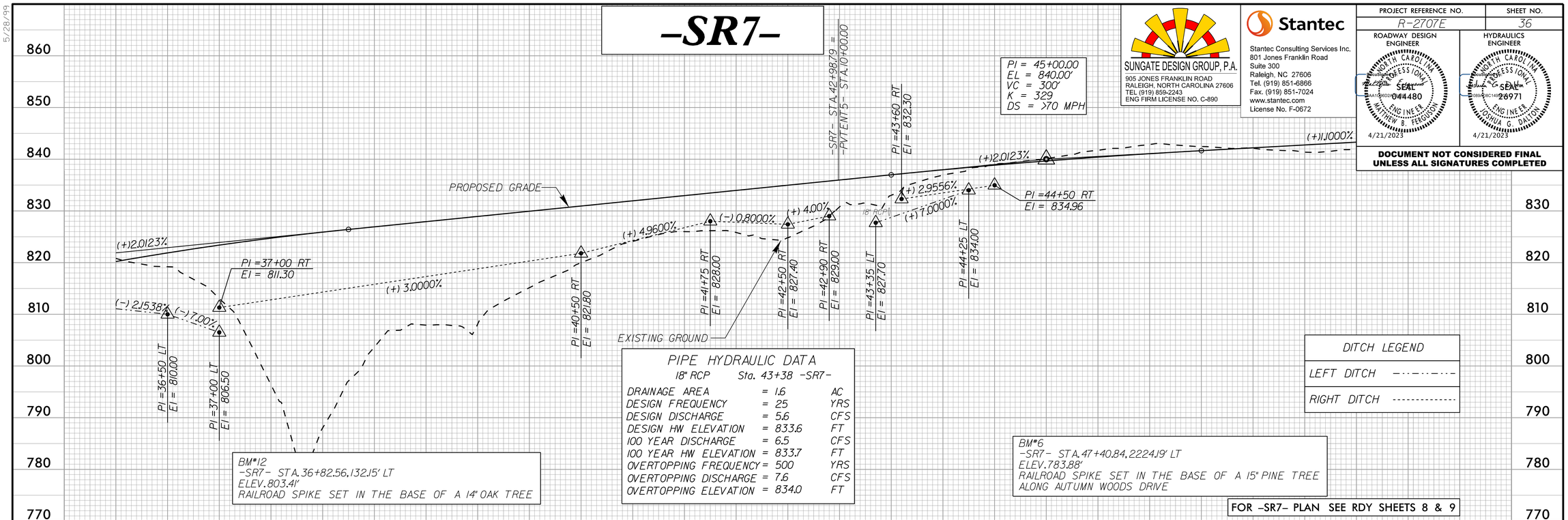
-SR7-



PIPE HYDRAULIC DATA
18" RCP Sta. 43+38 -SR7-

DRAINAGE AREA	= 1.6	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 5.6	CFS
DESIGN HW ELEVATION	= 833.6	FT
100 YEAR DISCHARGE	= 6.5	CFS
100 YEAR HW ELEVATION	= 833.7	FT
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING DISCHARGE	= 7.6	CFS
OVERTOPPING ELEVATION	= 834.0	FT

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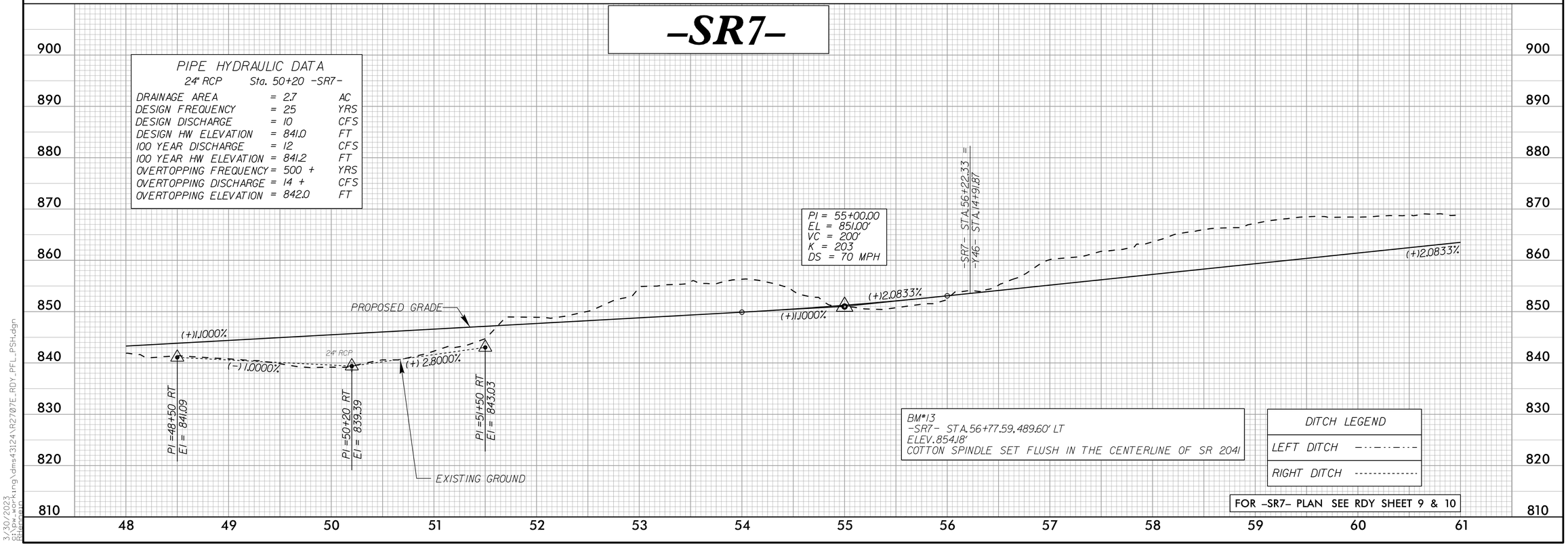
PROJECT REFERENCE NO.	SHEET NO.
R-2707E	36

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 044480 ENGINEER MATTHEW B. FERGUSON
4/21/2023

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 26971 ENGINEER JOSHUA G. DALTON
4/21/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-SR7-



PIPE HYDRAULIC DATA
24" RCP Sta. 50+20 -SR7-

DRAINAGE AREA	= 2.7	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 10	CFS
DESIGN HW ELEVATION	= 841.0	FT
100 YEAR DISCHARGE	= 12	CFS
100 YEAR HW ELEVATION	= 841.2	FT
OVERTOPPING FREQUENCY	= 500 +	YRS
OVERTOPPING DISCHARGE	= 14 +	CFS
OVERTOPPING ELEVATION	= 842.0	FT

3/30/2023
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RHenrique