

5/28/23

**CULVERT HYDRAULIC DATA**

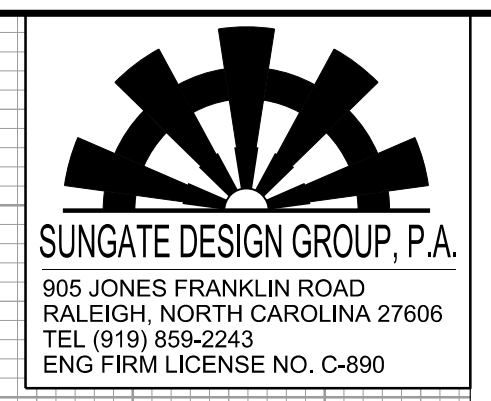
DESIGN DISCHARGE	= 280	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 814.8	FT
BASE DISCHARGE	= 300	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 815J	FT
OVERTOPPING DISCHARGE	= >360	CFS
OVERTOPPING FREQUENCY	= >500	YRS
OVERTOPPING ELEVATION	= 826.8	FT

**-L-**

**PIPE HYDRAULIC DATA**

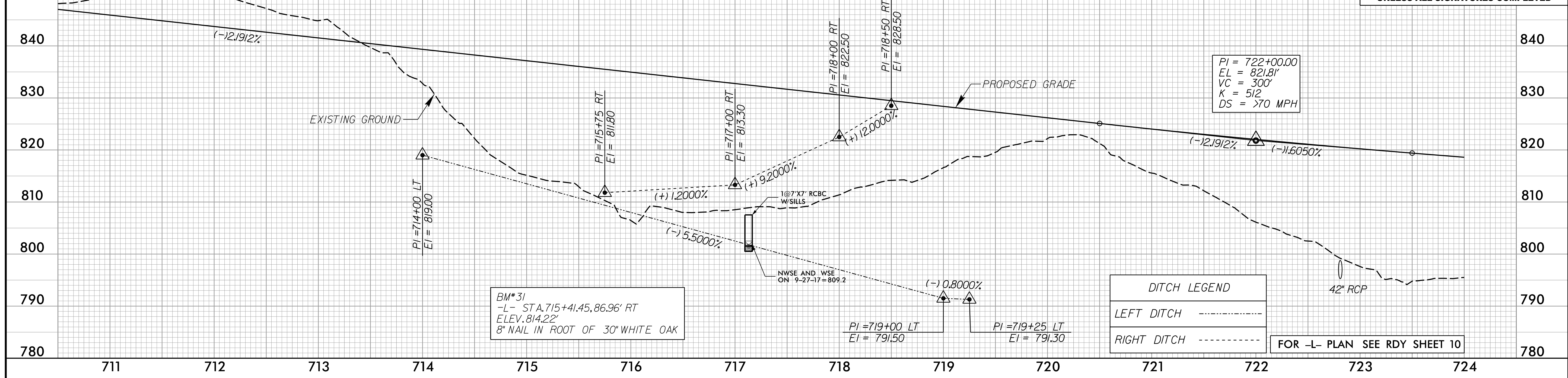
42" RCP Sta. 722+81-L-

DRAINAGE AREA	= 15.2	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 55	CFS
DESIGN HW ELEVATION	= 805.8	FT
100 YEAR DISCHARGE	= 60	CFS
100 YEAR HW ELEVATION	= 805.97	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 70+	CFS
OVERTOPPING ELEVATION	= 815.5	FT



PROJECT REFERENCE NO.	R-2707D	SHEET NO.	30
ROADWAY DESIGN ENGINEER	Matthew B. Ferguson	HYDRAULICS ENGINEER	John G. Dalton
Professional Seal	Professional Seal	Professional Seal	Professional Seal
4/21/2023		4/21/2023	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

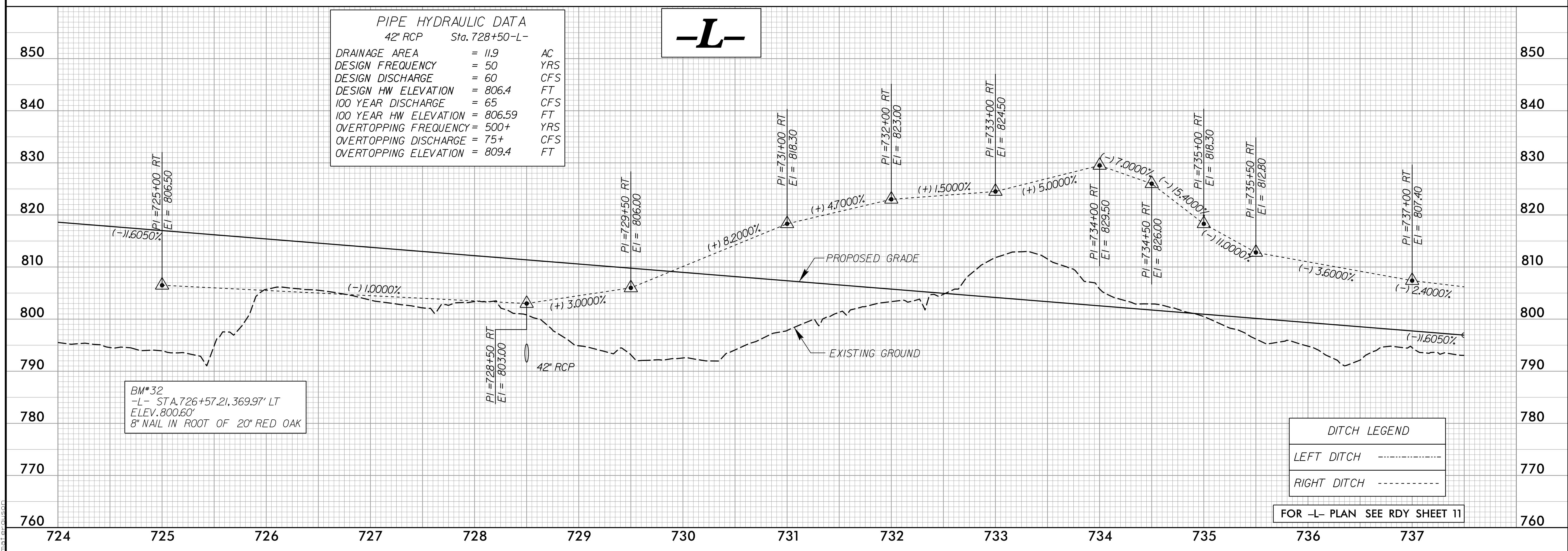


**PIPE HYDRAULIC DATA**

42" RCP Sta. 728+50-L-

DRAINAGE AREA	= 11.9	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 60	CFS
DESIGN HW ELEVATION	= 806.4	FT
100 YEAR DISCHARGE	= 65	CFS
100 YEAR HW ELEVATION	= 806.59	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 75+	CFS
OVERTOPPING ELEVATION	= 809.4	FT

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4/15/2023 c:\users\mferguson\documents\pwworking\dms42562\R2707D\_RDY\_PEL\_PSH1.dgn