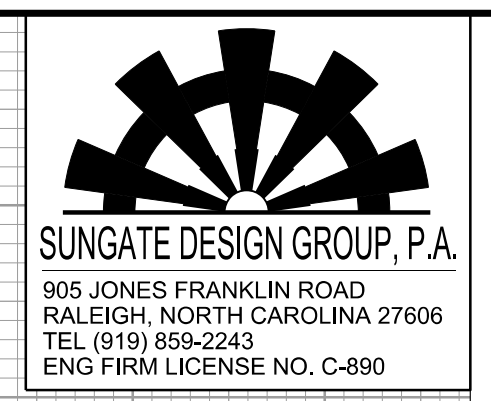


5/28/99

**-L-**

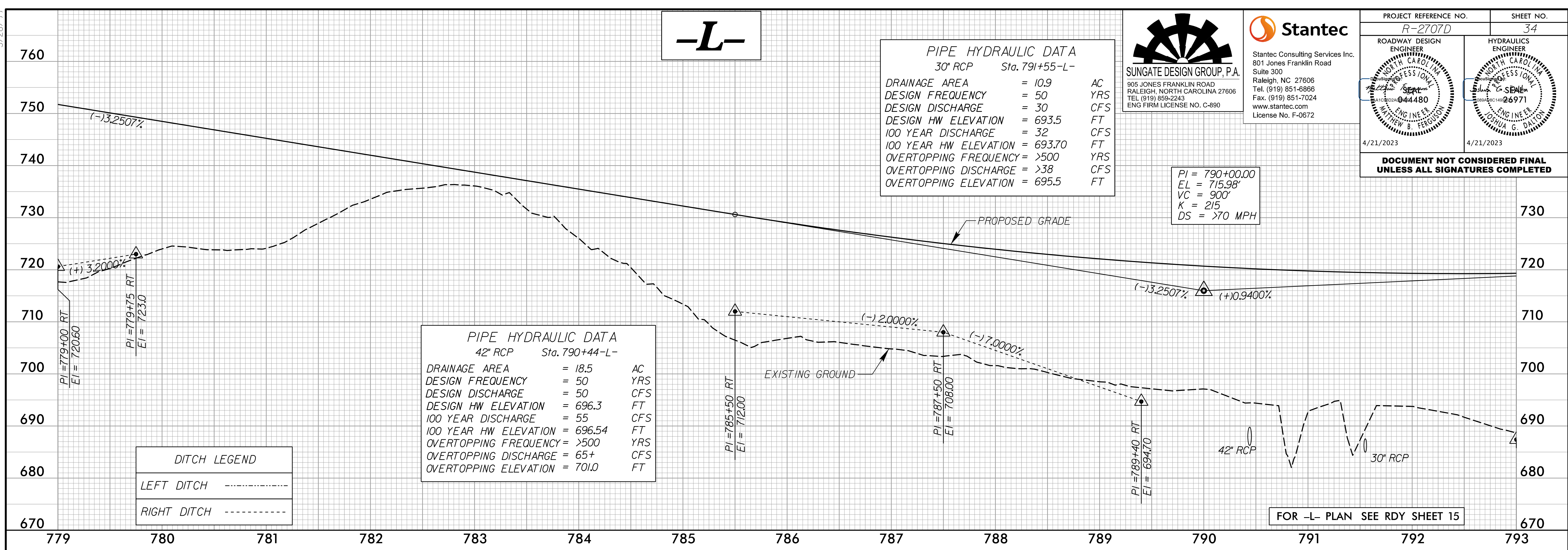
**PIPE HYDRAULIC DATA**  
30" RCP Sta. 791+55-L-

DRAINAGE AREA	= 10.9	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 30	CFS
DESIGN HW ELEVATION	= 693.5	FT
100 YEAR DISCHARGE	= 32	CFS
100 YEAR HW ELEVATION	= 693.70	FT
OVERTOPPING FREQUENCY	= >500	YRS
OVERTOPPING DISCHARGE	= >38	CFS
OVERTOPPING ELEVATION	= 695.5	FT



PROJECT REFERENCE NO. R-2707D	SHEET NO. 34
ROADWAY DESIGN ENGINEER MATTHEW B. FERGUSON LICENSE NO. 04480	HYDRAULICS ENGINEER JOHN G. DALTON LICENSE NO. 26971
4/21/2023	4/21/2023

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



**PIPE HYDRAULIC DATA**  
42" RCP Sta. 790+44-L-

DRAINAGE AREA	= 18.5	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 50	CFS
DESIGN HW ELEVATION	= 696.3	FT
100 YEAR DISCHARGE	= 55	CFS
100 YEAR HW ELEVATION	= 696.54	FT
OVERTOPPING FREQUENCY	= >500	YRS
OVERTOPPING DISCHARGE	= 65+	CFS
OVERTOPPING ELEVATION	= 701.0	FT

**DITCH LEGEND**

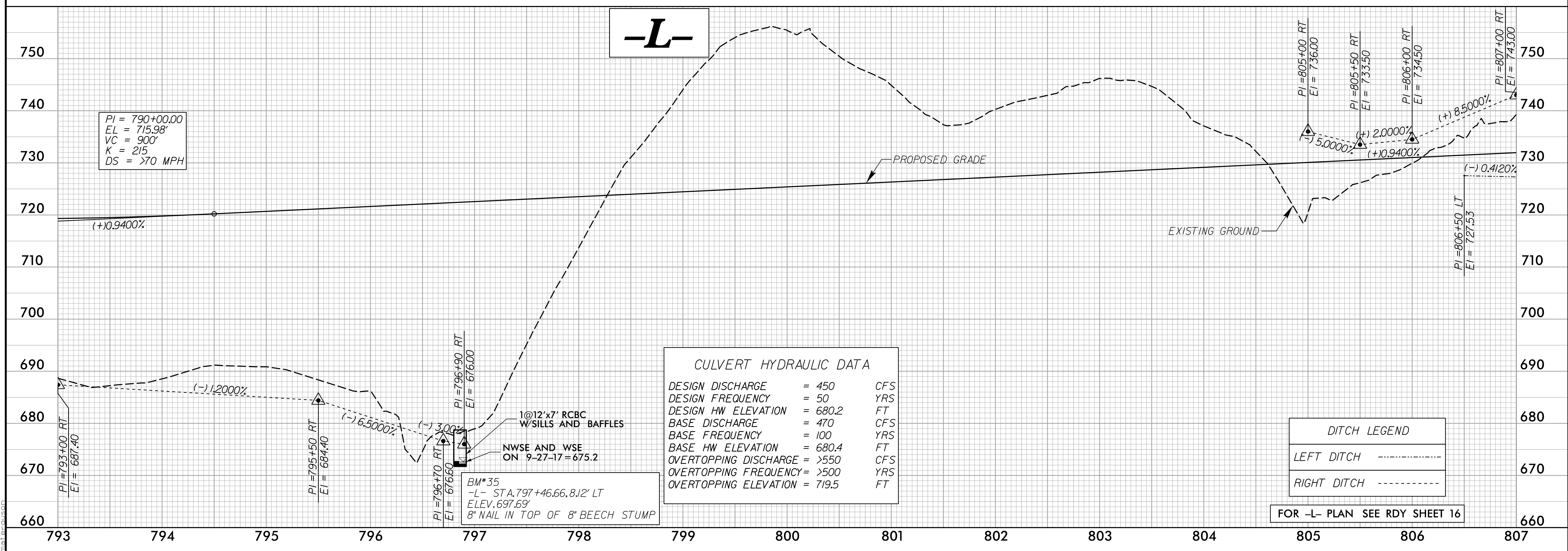
LEFT DITCH	-----
RIGHT DITCH	-----

FOR -L- PLAN SEE RDY SHEET 15

**-L-**

**CULVERT HYDRAULIC DATA**

DESIGN DISCHARGE	= 450	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 680.2	FT
BASE DISCHARGE	= 470	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 680.4	FT
OVERTOPPING DISCHARGE	= >550	CFS
OVERTOPPING FREQUENCY	= >500	YRS
OVERTOPPING ELEVATION	= 719.5	FT



PI = 790+00.00  
EL = 715.98'  
VC = 900'  
K = 215  
DS = >70 MPH

BM\* 35  
-L- STA. 797+46.66, 8.12' LT  
ELEV. 697.69'  
8" NAIL IN TOP OF 8" BEECH STUMP

**DITCH LEGEND**

LEFT DITCH	-----
RIGHT DITCH	-----

FOR -L- PLAN SEE RDY SHEET 16

4/15/2023 c:\users\matferguson\documents\pwworking\dms42562\2707D\_RDY\_PEL\_PSHI.dgn