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5/28/99

PLANS PREPARED BY :
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NC LICENSE NO. F-0246
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

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PROJECT REFERENCE NO.	SHEET NO.
U-5719	5

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 37950 ENGINEER
3/29/2017

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 026971 ENGINEER
3/29/2017

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-Y1-

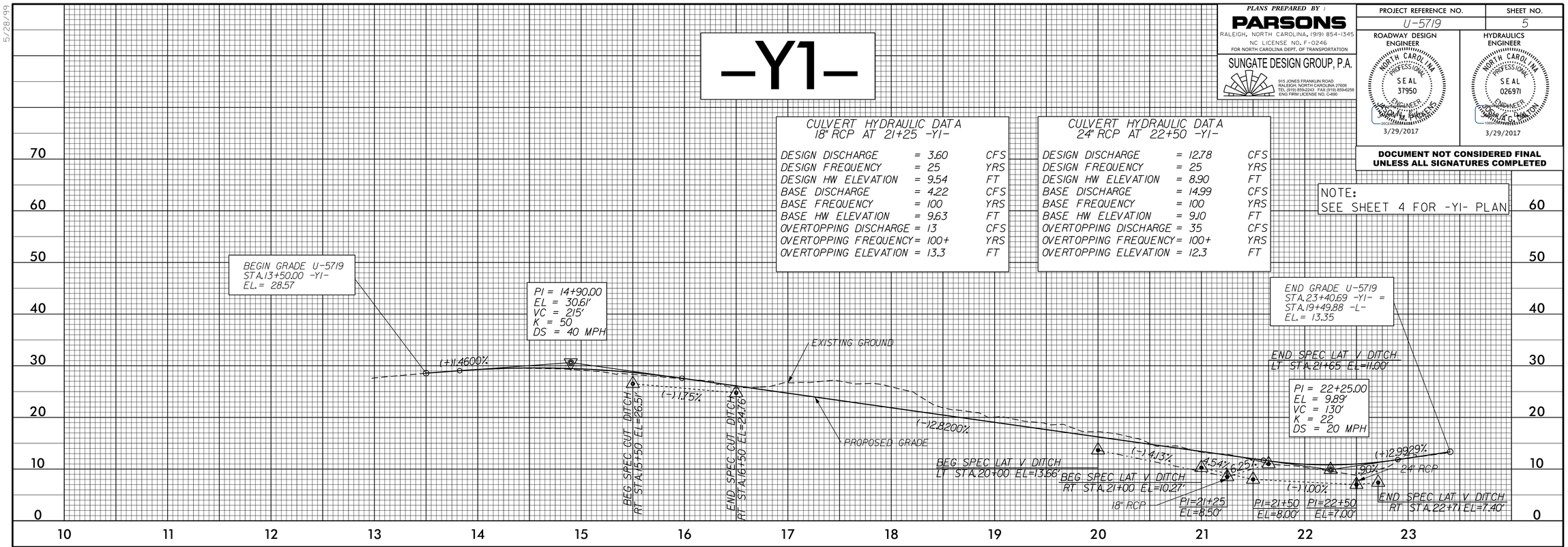
CULVERT HYDRAULIC DATA
18" RCP AT 21+25 -Y1-

DESIGN DISCHARGE	= 3.60	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 9.54	FT
BASE DISCHARGE	= 4.22	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 9.63	FT
OVERTOPPING DISCHARGE	= 13	CFS
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING ELEVATION	= 13.3	FT

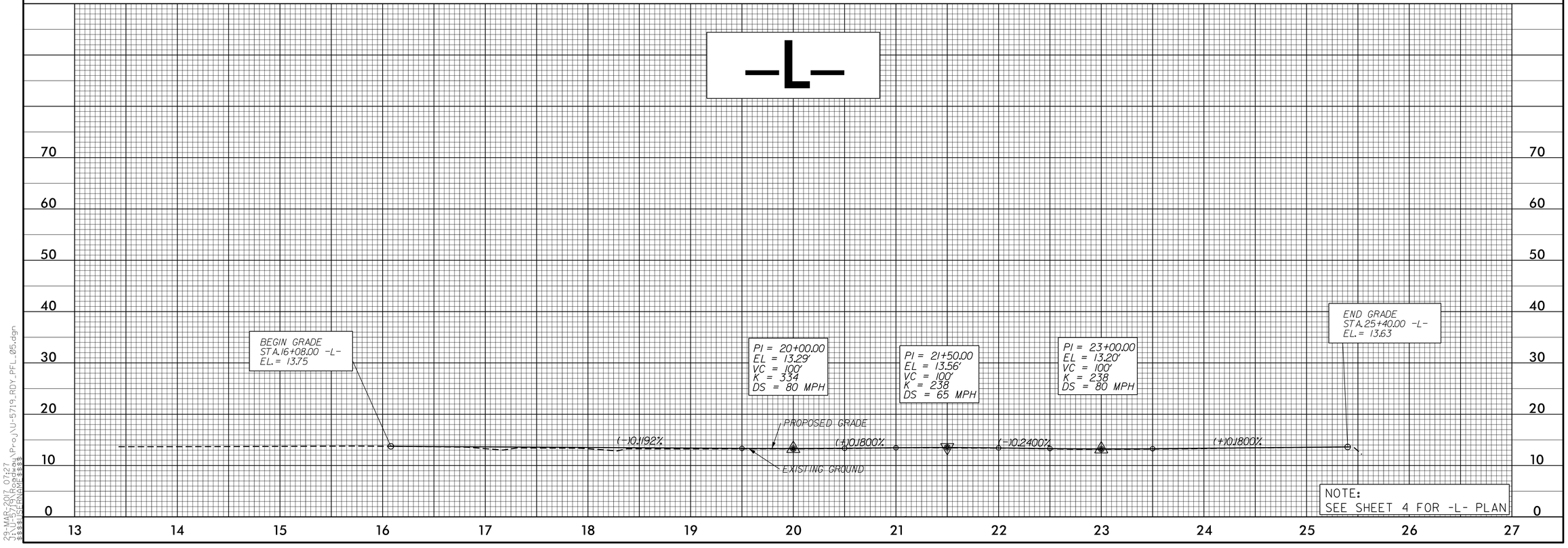
CULVERT HYDRAULIC DATA
24" RCP AT 22+50 -Y1-

DESIGN DISCHARGE	= 12.78	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 8.90	FT
BASE DISCHARGE	= 14.99	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 9.10	FT
OVERTOPPING DISCHARGE	= 35	CFS
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING ELEVATION	= 12.3	FT

NOTE:
SEE SHEET 4 FOR -Y1- PLAN



-L-



NOTE:
SEE SHEET 4 FOR -L- PLAN

29-MAR-2017 07:27
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