

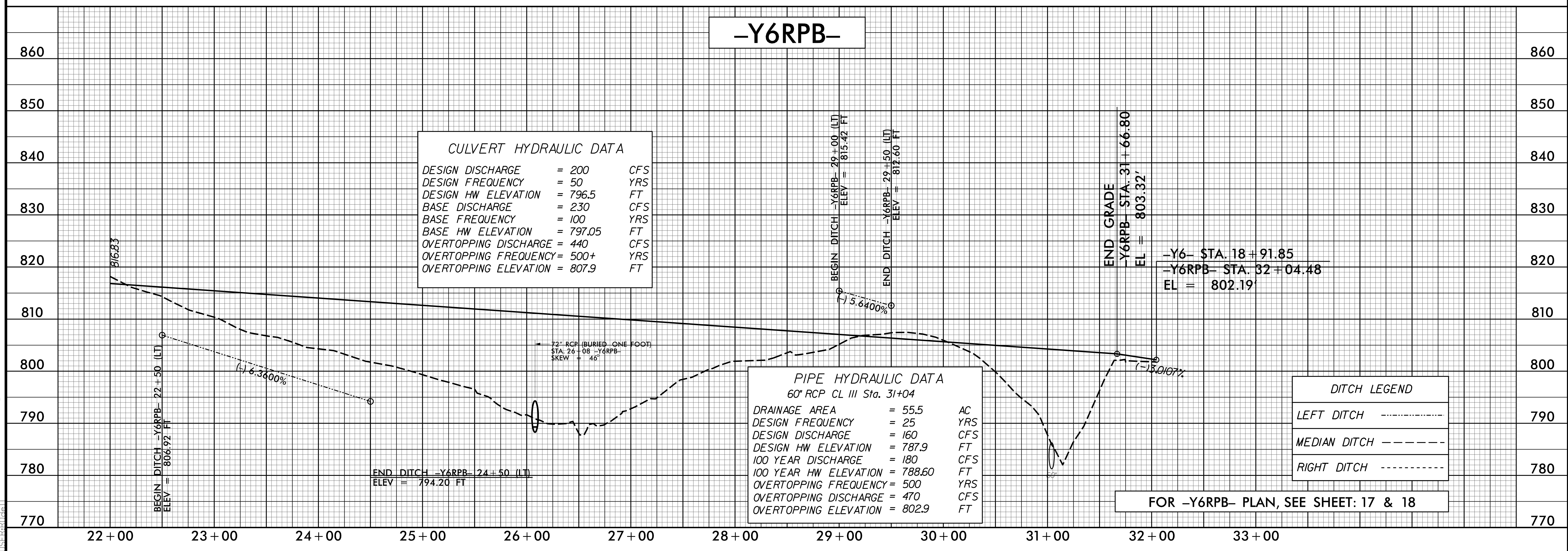
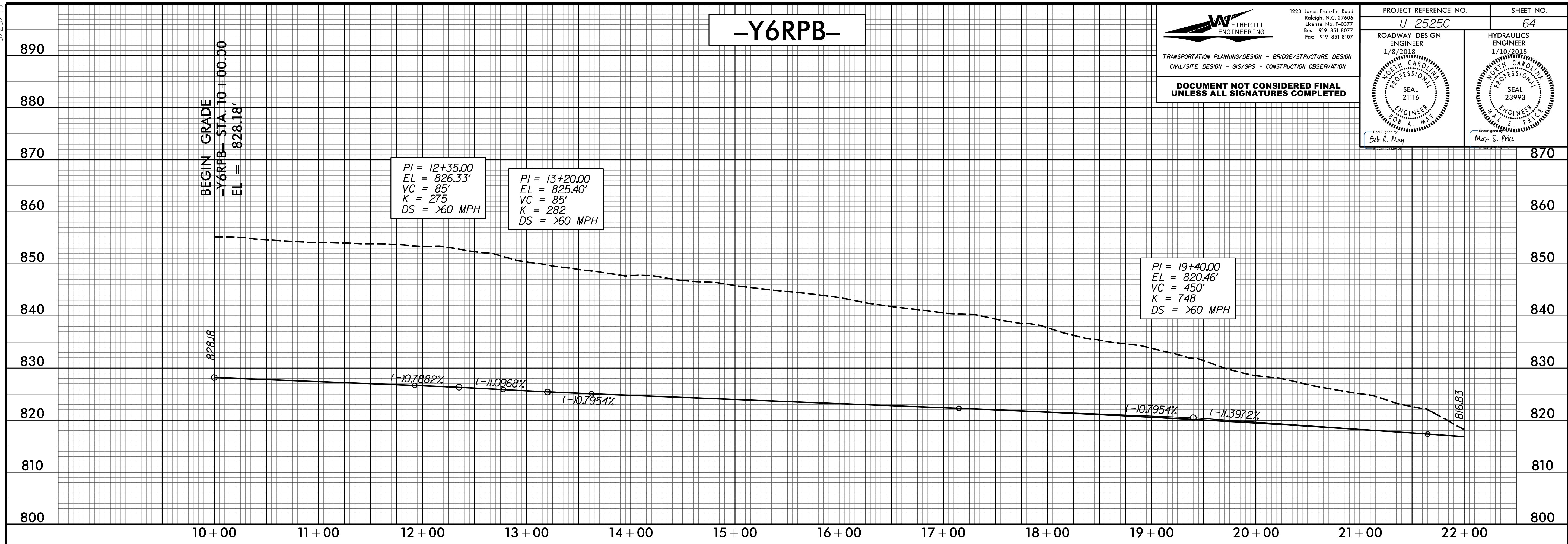
5/28/99

WETHERILL ENGINEERING
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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

PROJECT REFERENCE NO. U-2525C	SHEET NO. 64
ROADWAY DESIGN ENGINEER 1/8/2018 SEAL 21116 BOB A. MAY	HYDRAULICS ENGINEER 1/10/2018 SEAL 23993 MAX S. PRIZ



CULVERT HYDRAULIC DATA

DESIGN DISCHARGE	= 200	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 796.5	FT
BASE DISCHARGE	= 230	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 797.05	FT
OVERTOPPING DISCHARGE	= 440	CFS
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING ELEVATION	= 807.9	FT

PIPE HYDRAULIC DATA
 60" RCP CL III Sta. 31+04

DRAINAGE AREA	= 55.5	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 160	CFS
DESIGN HW ELEVATION	= 787.9	FT
100 YEAR DISCHARGE	= 180	CFS
100 YEAR HW ELEVATION	= 788.60	FT
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING DISCHARGE	= 470	CFS
OVERTOPPING ELEVATION	= 802.9	FT

DITCH LEGEND

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

FOR -Y6RPB- PLAN, SEE SHEET: 17 & 18

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