

5/28/2022

PIPE HYDRAULIC DATA
42" RCP III Sta. 21+92

DRAINAGE AREA	= 52	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 22	CFS
DESIGN HW ELEVATION	= 34.8	FT
100 YEAR DISCHARGE	= 28	CFS
100 YEAR HW ELEVATION	= 35.2	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 39	CFS
OVERTOPPING ELEVATION	= 36.0	FT

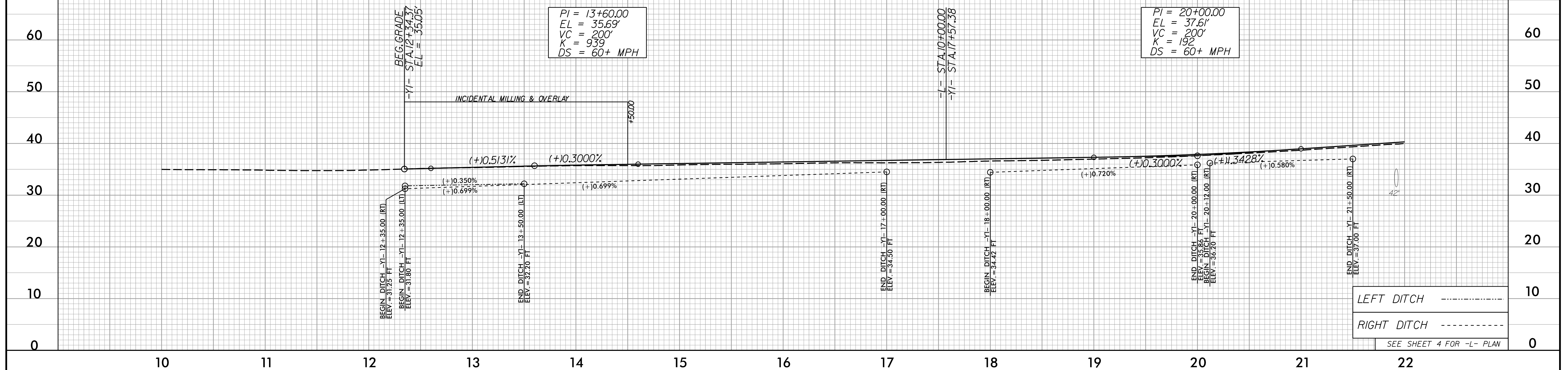
WETHERILL ENGINEERING
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

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

PROJECT REFERENCE NO.	R-4705	SHEET NO.	64
ROADWAY DESIGN ENGINEER	4/7/2022	HYDRAULICS ENGINEER	4/7/2022
SEAL 21116		SEAL 053425	
PAUL A. MARY		MATTHEW L. PARVLY	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

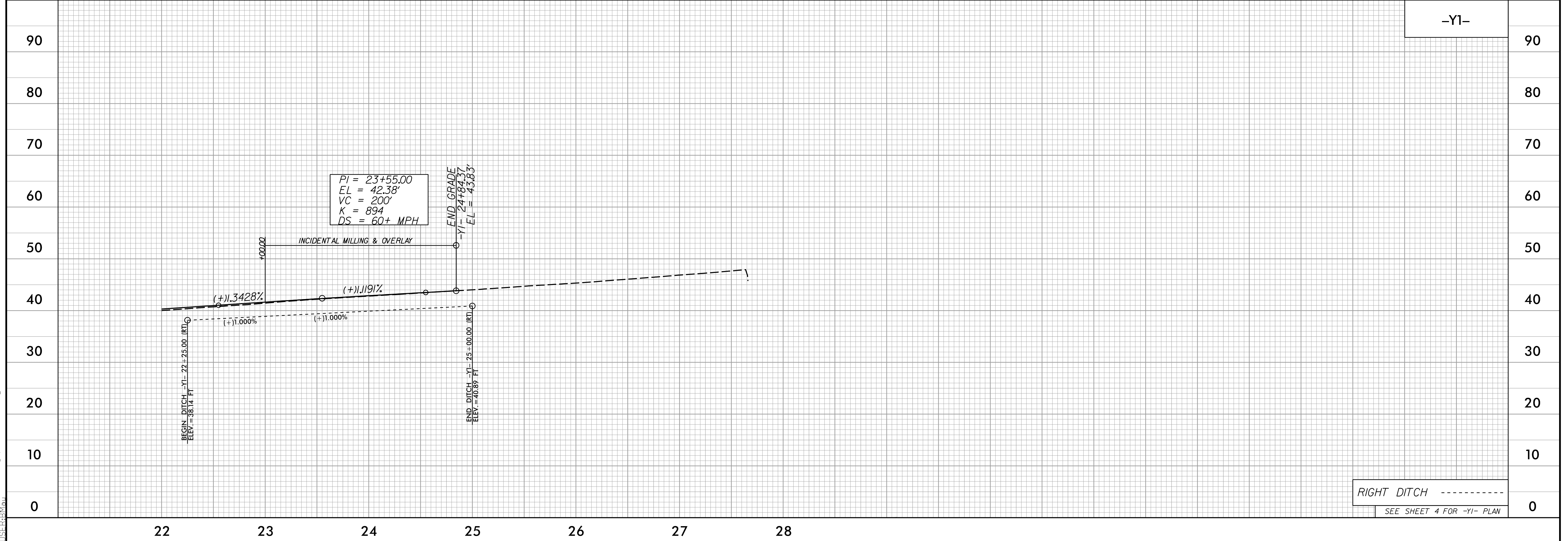
-Y1-



LEFT DITCH -----

RIGHT DITCH -----

SEE SHEET 4 FOR -L- PLAN



RIGHT DITCH -----

SEE SHEET 4 FOR -Y1- PLAN

3/7/2022 R4705_Rdy_psh_64_PFL.dgn