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5/28/99

STV 100 Years
STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
U-4751	54

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 043891 ENGINEER SEAN C. STEPHENS
DocuSigned by: 7/14/2017

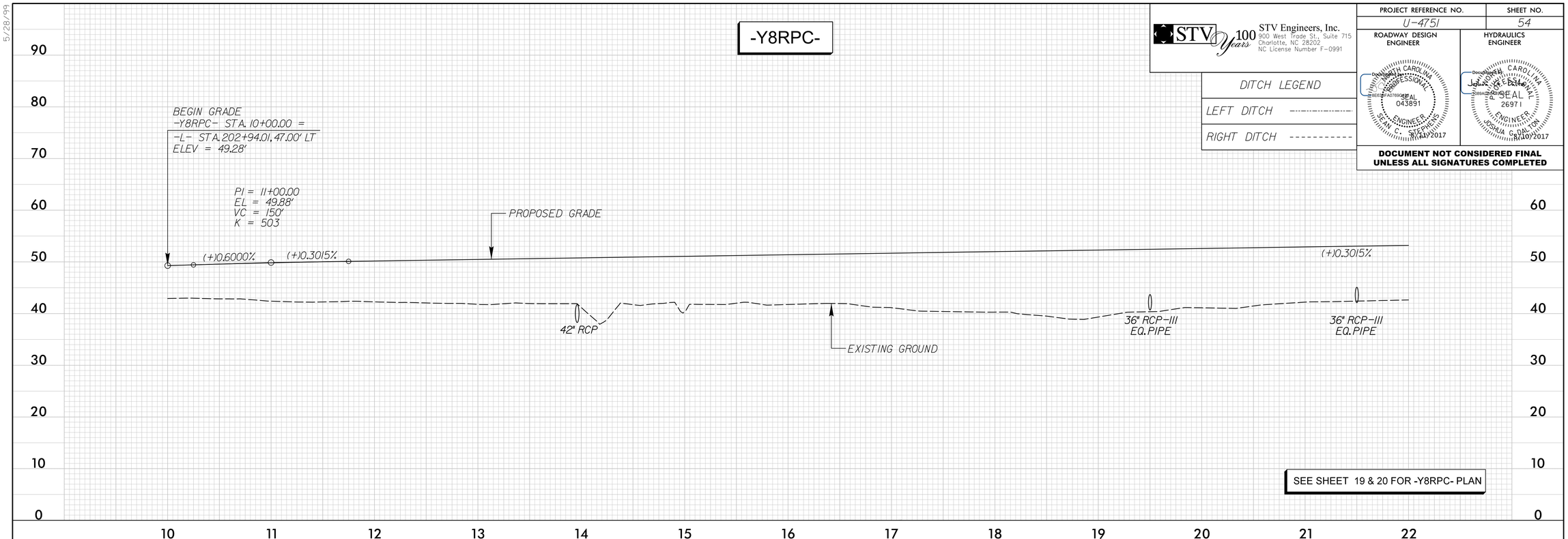
HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 26971 ENGINEER JOSHUA C. DALTON
DocuSigned by: 7/14/2017

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DITCH LEGEND	
LEFT DITCH	-·-·-·-·-
RIGHT DITCH	- - - - - -

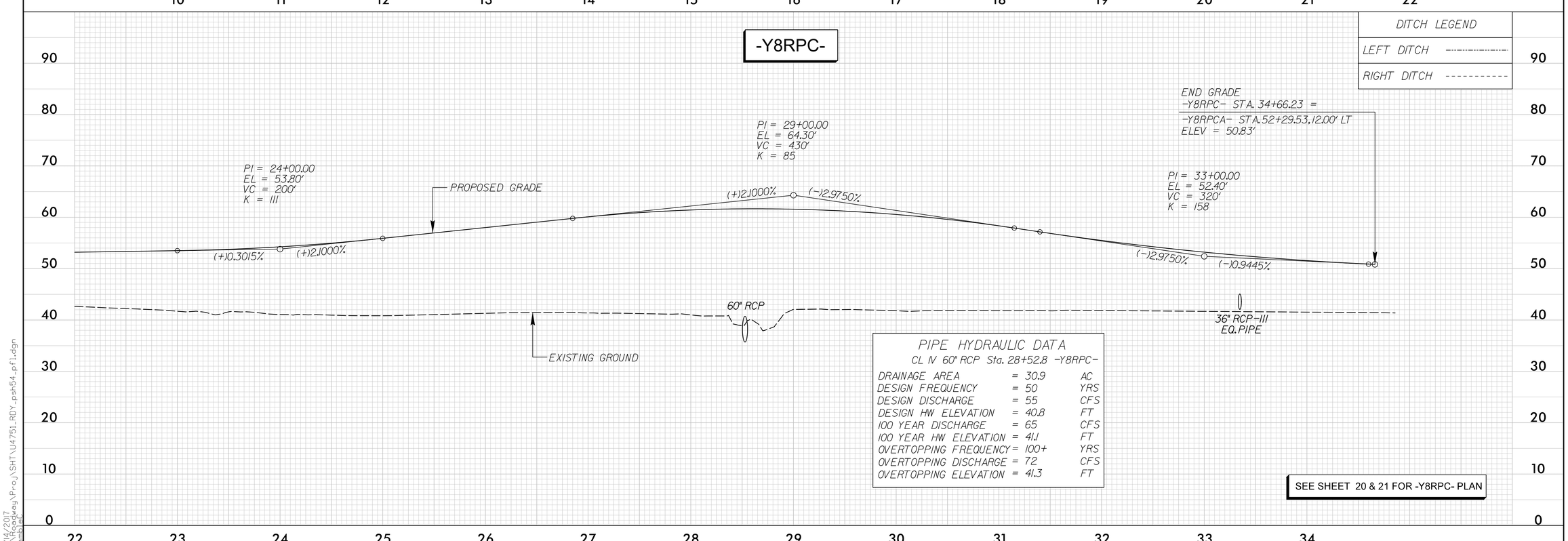
-Y8RPC-



SEE SHEET 19 & 20 FOR -Y8RPC- PLAN

-Y8RPC-

DITCH LEGEND	
LEFT DITCH	-·-·-·-·-
RIGHT DITCH	- - - - - -



PIPE HYDRAULIC DATA

CL IV 60" RCP Sta. 28+52.8 -Y8RPC-

DRAINAGE AREA	= 30.9	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 55	CFS
DESIGN HW ELEVATION	= 40.8	FT
100 YEAR DISCHARGE	= 65	CFS
100 YEAR HW ELEVATION	= 41.1	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 72	CFS
OVERTOPPING ELEVATION	= 41.3	FT

SEE SHEET 20 & 21 FOR -Y8RPC- PLAN

7/14/2017
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Combo 2