DocuSign Envelope ID: 1ACE3258-B4E6-41D5-8054-E6A64965A6D0

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	57

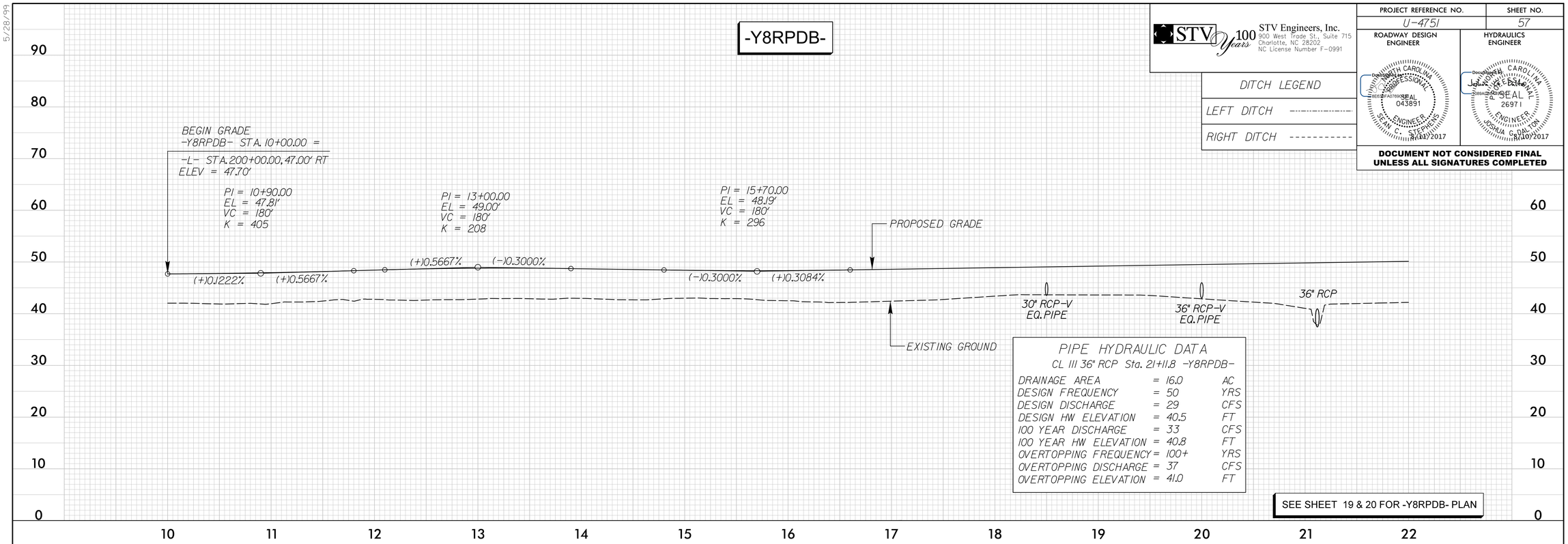
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DITCH LEGEND
LEFT DITCH
RIGHT DITCH

-Y8RPDB-

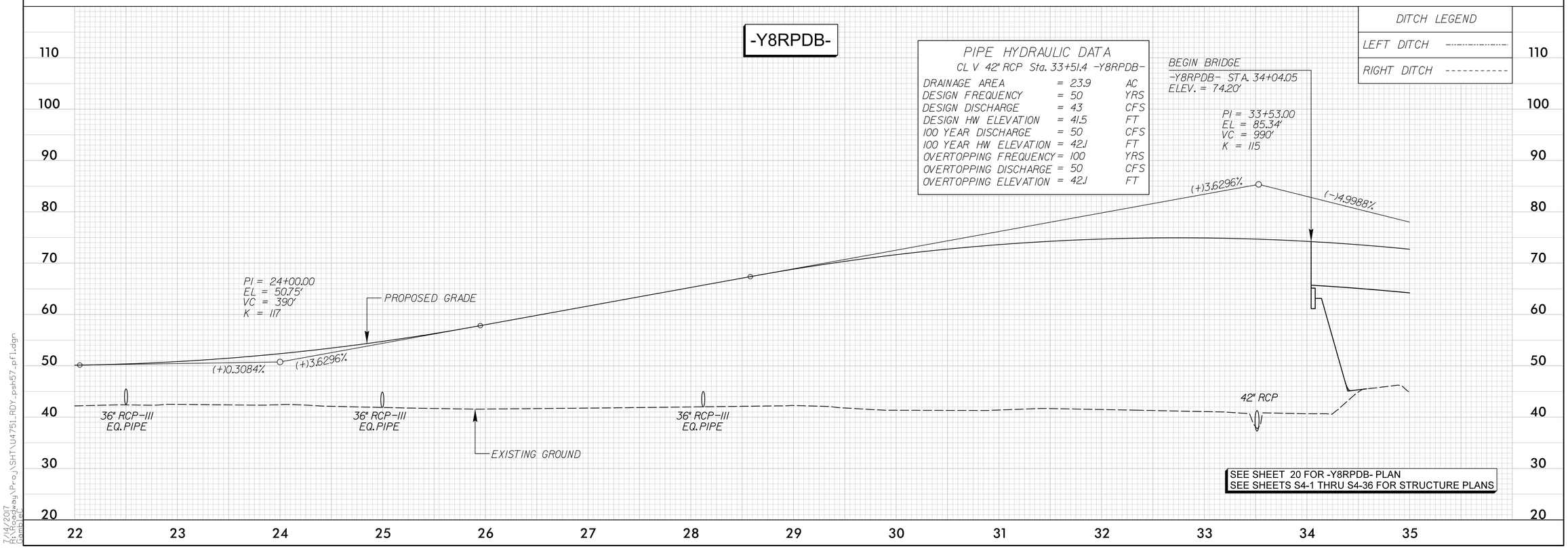


PIPE HYDRAULIC DATA
CL III 36" RCP Sta. 21+11.8 -Y8RPDB-

DRAINAGE AREA	= 16.0	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 29	CFS
DESIGN HW ELEVATION	= 40.5	FT
100 YEAR DISCHARGE	= 33	CFS
100 YEAR HW ELEVATION	= 40.8	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 37	CFS
OVERTOPPING ELEVATION	= 41.0	FT

SEE SHEET 19 & 20 FOR -Y8RPDB- PLAN

-Y8RPDB-



PIPE HYDRAULIC DATA
CL V 42" RCP Sta. 33+51.4 -Y8RPDB-

DRAINAGE AREA	= 23.9	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 43	CFS
DESIGN HW ELEVATION	= 41.5	FT
100 YEAR DISCHARGE	= 50	CFS
100 YEAR HW ELEVATION	= 42.1	FT
OVERTOPPING FREQUENCY	= 100	YRS
OVERTOPPING DISCHARGE	= 50	CFS
OVERTOPPING ELEVATION	= 42.1	FT

DITCH LEGEND
LEFT DITCH
RIGHT DITCH

SEE SHEET 20 FOR -Y8RPDB- PLAN
SEE SHEETS S4-1 THRU S4-36 FOR STRUCTURE PLANS

7/14/2017
R:\Roadway\Proj\SHT\U4751_RDY_psht57_pf1.dgn
Complete