

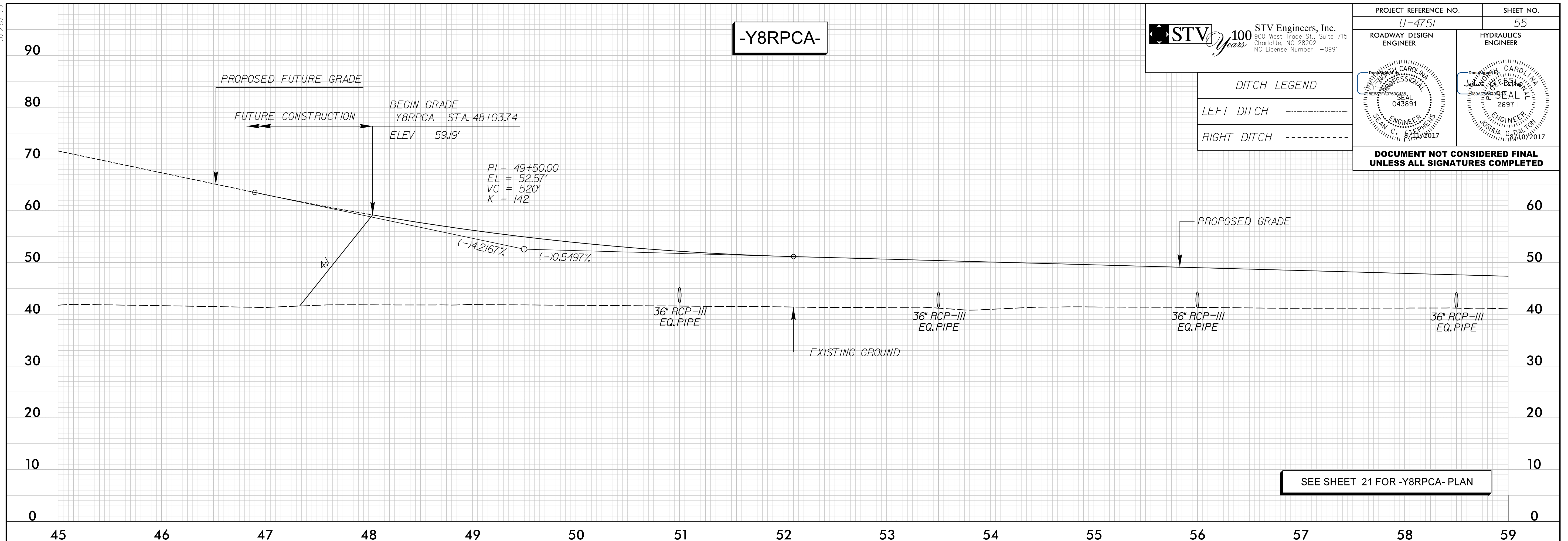
5/28/17

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

PROJECT REFERENCE NO. U-4751	SHEET NO. 55
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<i>(Signature)</i> SEAL 043891	<i>(Signature)</i> SEAL 26971
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

DITCH LEGEND

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



SEE SHEET 21 FOR -Y8RPCA- PLAN

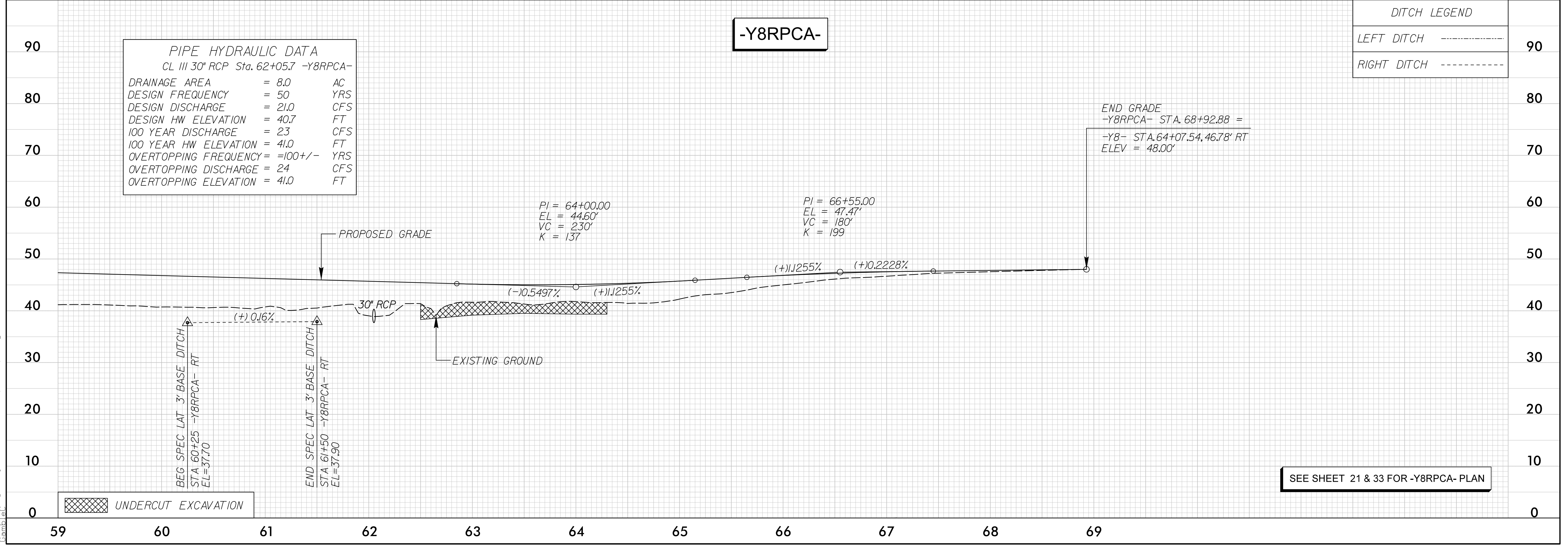
T:\4\2017\proj\4751\proj\4751\_SHT\U4751\_RDY\_psh55.plt.dgn

**PIPE HYDRAULIC DATA**  
 CL III 30" RCP Sta. 62+05.7 -Y8RPCA-

DRAINAGE AREA	= 8.0	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 21.0	CFS
DESIGN HW ELEVATION	= 40.7	FT
100 YEAR DISCHARGE	= 23	CFS
100 YEAR HW ELEVATION	= 41.0	FT
OVERTOPPING FREQUENCY	= 100 +/-	YRS
OVERTOPPING DISCHARGE	= 24	CFS
OVERTOPPING ELEVATION	= 41.0	FT

DITCH LEGEND

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



END GRADE  
 -Y8RPCA- STA. 68+92.88 =  
 -Y8- STA. 64+07.54, 46.78' RT  
 ELEV = 48.00'

UNDERCUT EXCAVATION

SEE SHEET 21 & 33 FOR -Y8RPCA- PLAN