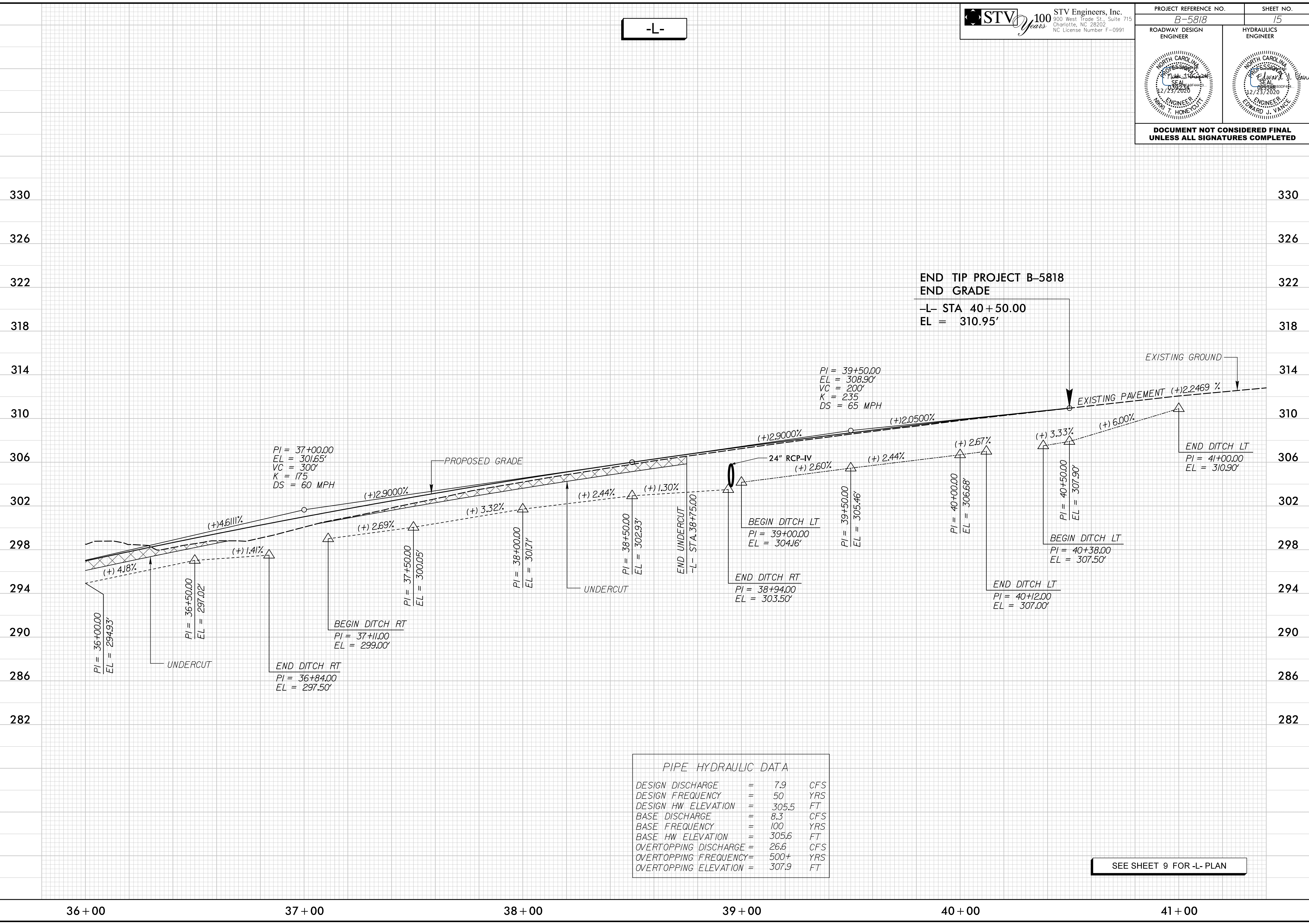


5/14/99

-L-

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

PROJECT REFERENCE NO. <i>B-5818</i>	SHEET NO. 15
ROADWAY DESIGN ENGINEER <i>Mark J. Honeycutt</i>	HYDRAULICS ENGINEER <i>Edward J. VanHorn</i>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



**END TIP PROJECT B-5818
 END GRADE
 -L- STA 40+50.00
 EL = 310.95'**

PIPE HYDRAULIC DATA		
DESIGN DISCHARGE	=	7.9 CFS
DESIGN FREQUENCY	=	50 YRS
DESIGN HW ELEVATION	=	305.5 FT
BASE DISCHARGE	=	8.3 CFS
BASE FREQUENCY	=	100 YRS
BASE HW ELEVATION	=	305.6 FT
OVERTOPPING DISCHARGE	=	26.6 CFS
OVERTOPPING FREQUENCY	=	500+ YRS
OVERTOPPING ELEVATION	=	307.9 FT

SEE SHEET 9 FOR -L- PLAN

12/23/2020
 12:00:00
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