

5/28/2026

-L- SR 1100 COVERED BRIDGE RD.

TGS ENGINEERS
706 HILLSBOROUGH ST. SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

EXISTING GROUND _____
PROPOSED GRADE _____
LEFT DITCH GRADE _____
RIGHT DITCH GRADE _____

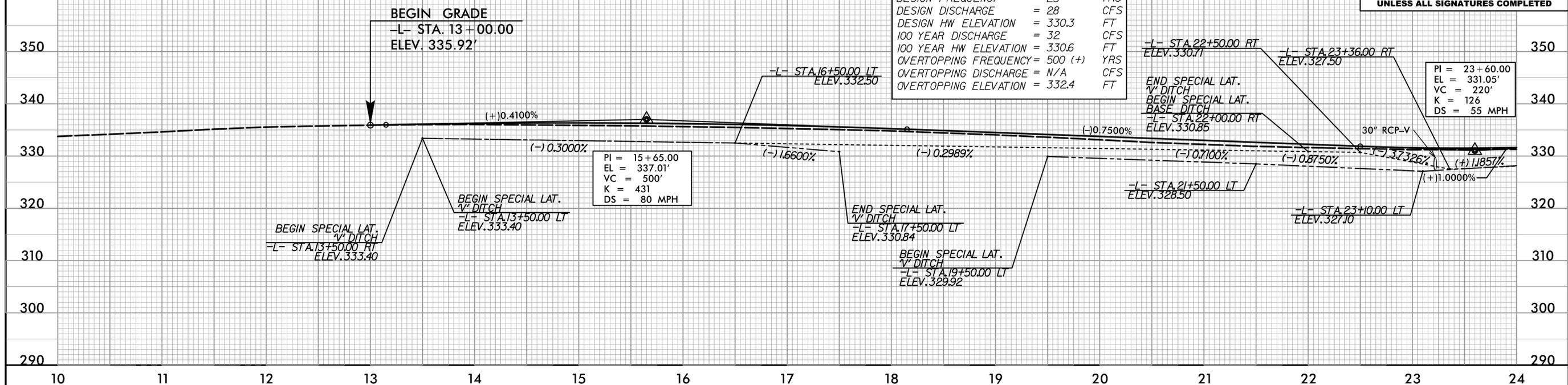
PROJECT REFERENCE NO. W-5704E	SHEET NO. 11
ROADWAY DESIGN ENGINEER SEAL 19724	HYDRAULICS ENGINEER SEAL 044158
1/26/2026	1/26/2026

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

BM # 2
-L- STA. 17+12.36
140.22' RT.
BENCHTIE NAIL SET IN 16" PINE
ELEV. 335.28'

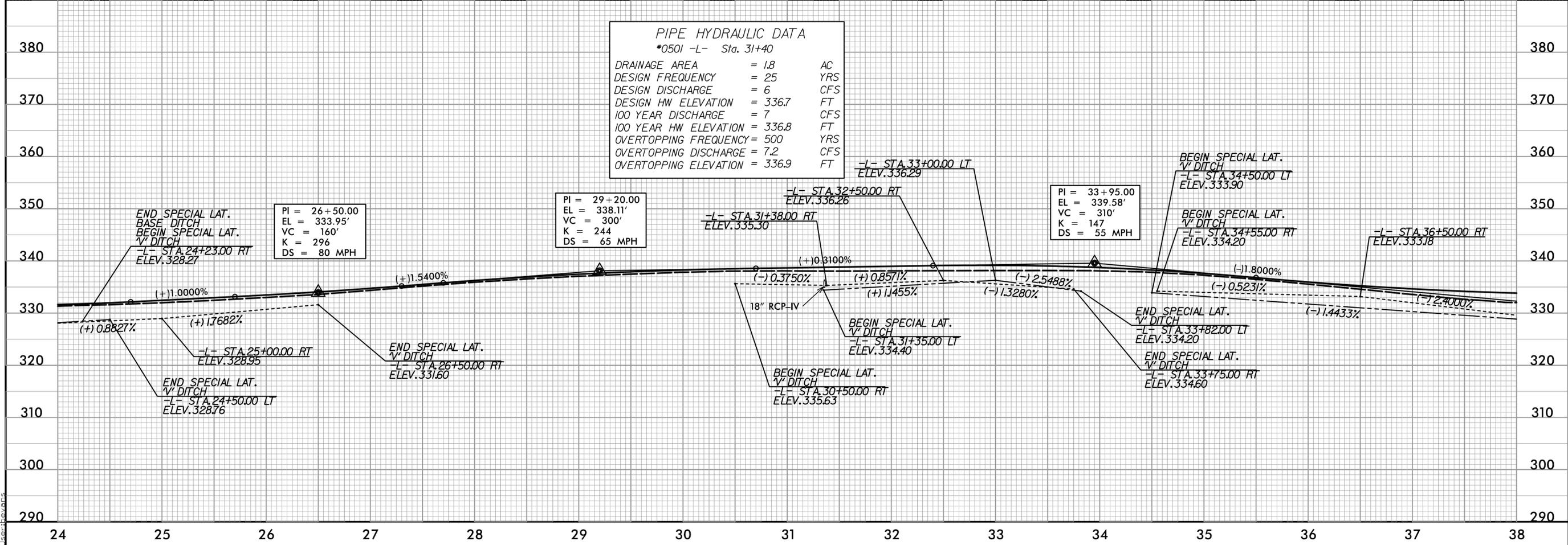
PIPE HYDRAULIC DATA
*0401 -L- Sta. 23+22

DRAINAGE AREA	= 11.6	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 28	CFS
DESIGN HW ELEVATION	= 330.3	FT
100 YEAR DISCHARGE	= 32	CFS
100 YEAR HW ELEVATION	= 330.6	FT
OVERTOPPING FREQUENCY	= 500 (+)	YRS
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING ELEVATION	= 332.4	FT



PIPE HYDRAULIC DATA
*0501 -L- Sta. 31+40

DRAINAGE AREA	= 1.8	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 6	CFS
DESIGN HW ELEVATION	= 336.7	FT
100 YEAR DISCHARGE	= 7	CFS
100 YEAR HW ELEVATION	= 336.8	FT
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING DISCHARGE	= 7.2	CFS
OVERTOPPING ELEVATION	= 336.9	FT



5/17/2025
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luser@tgs.com