

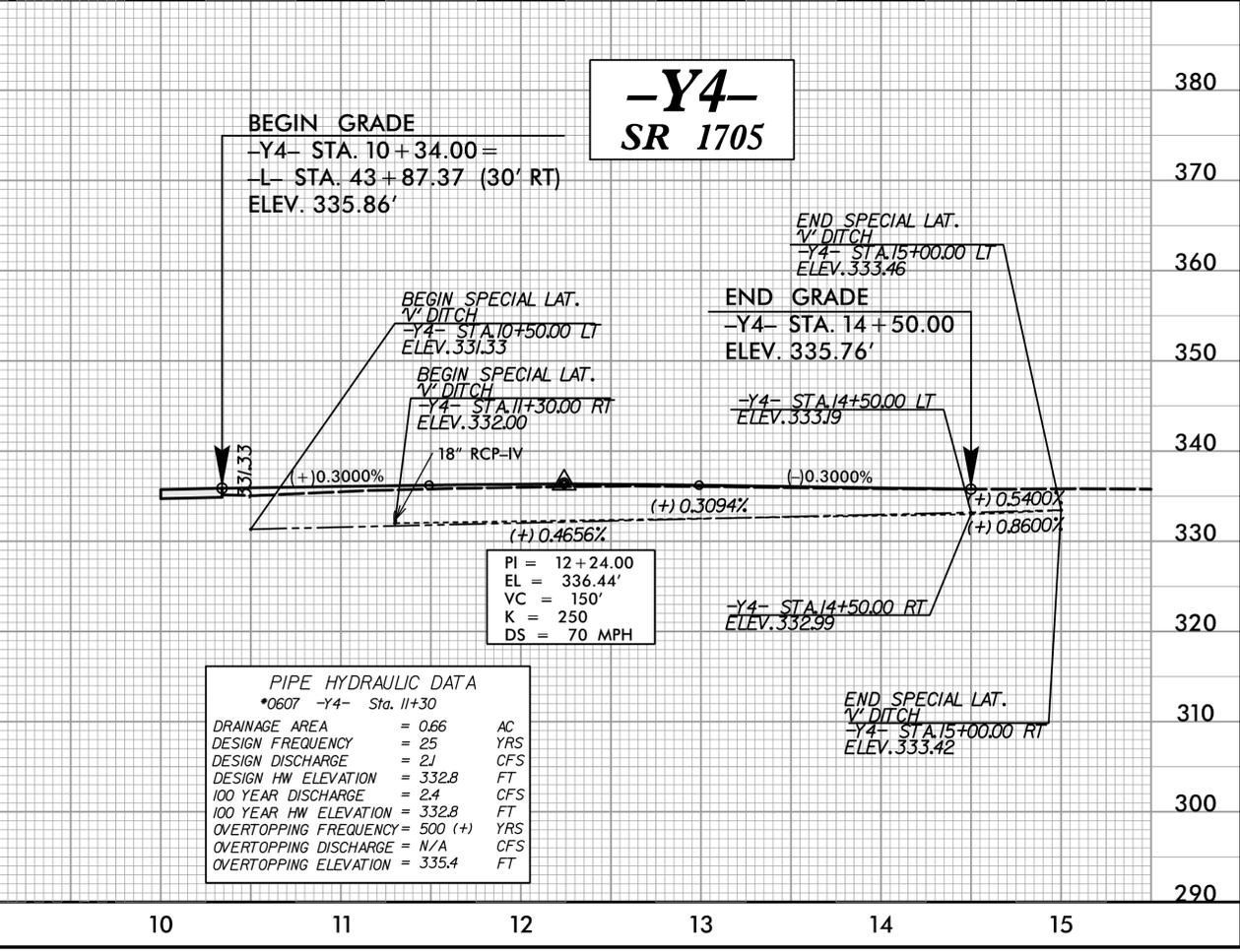
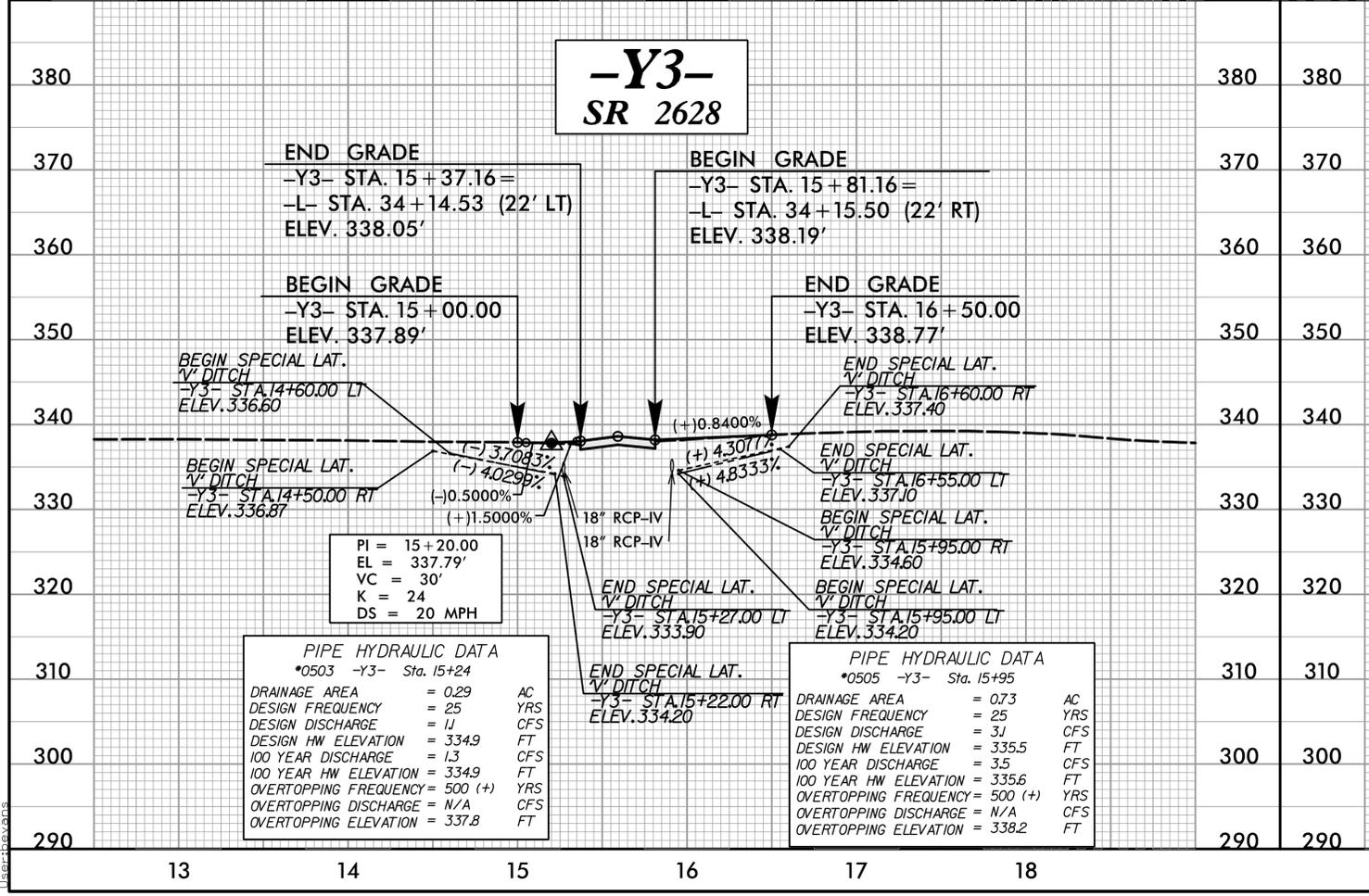
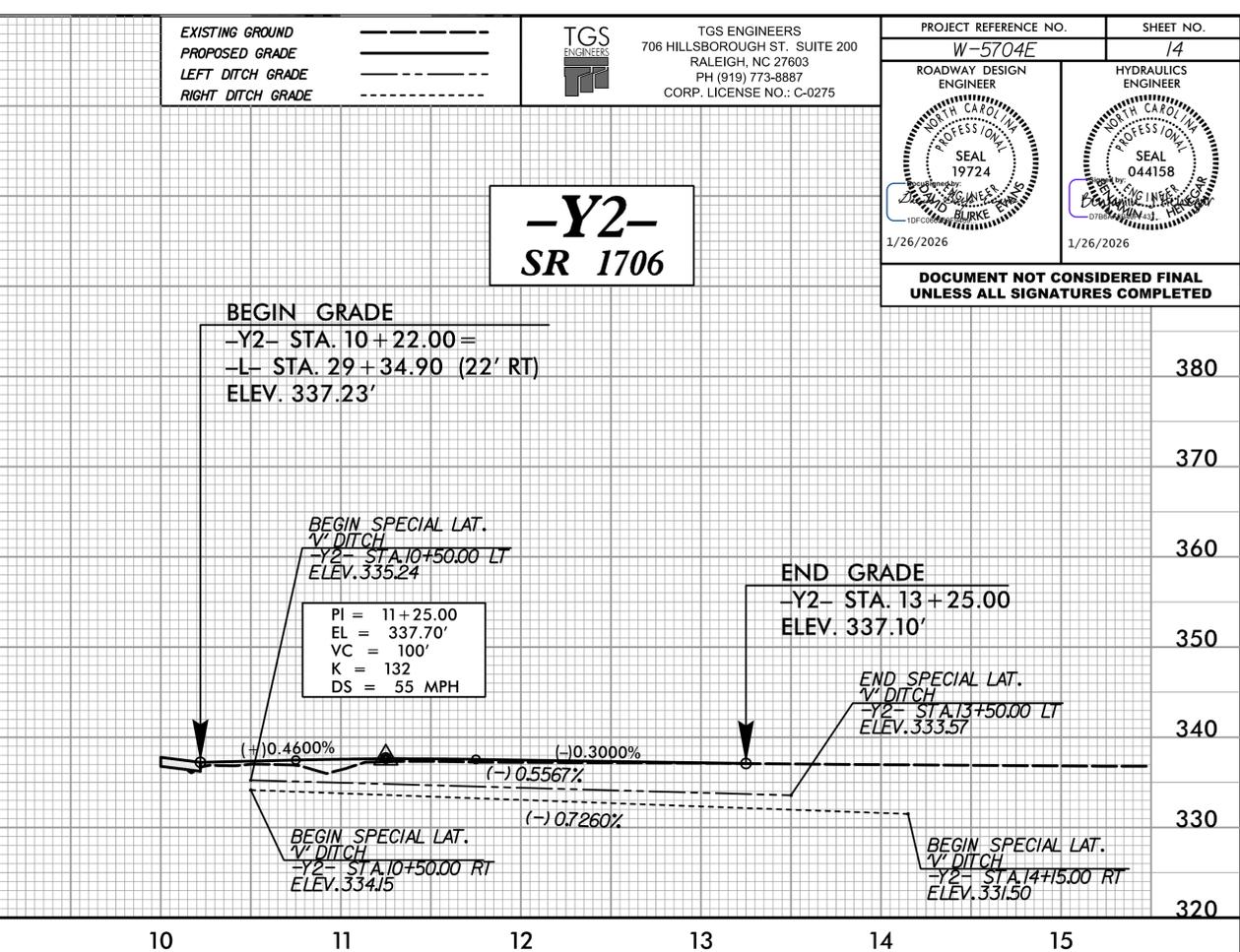
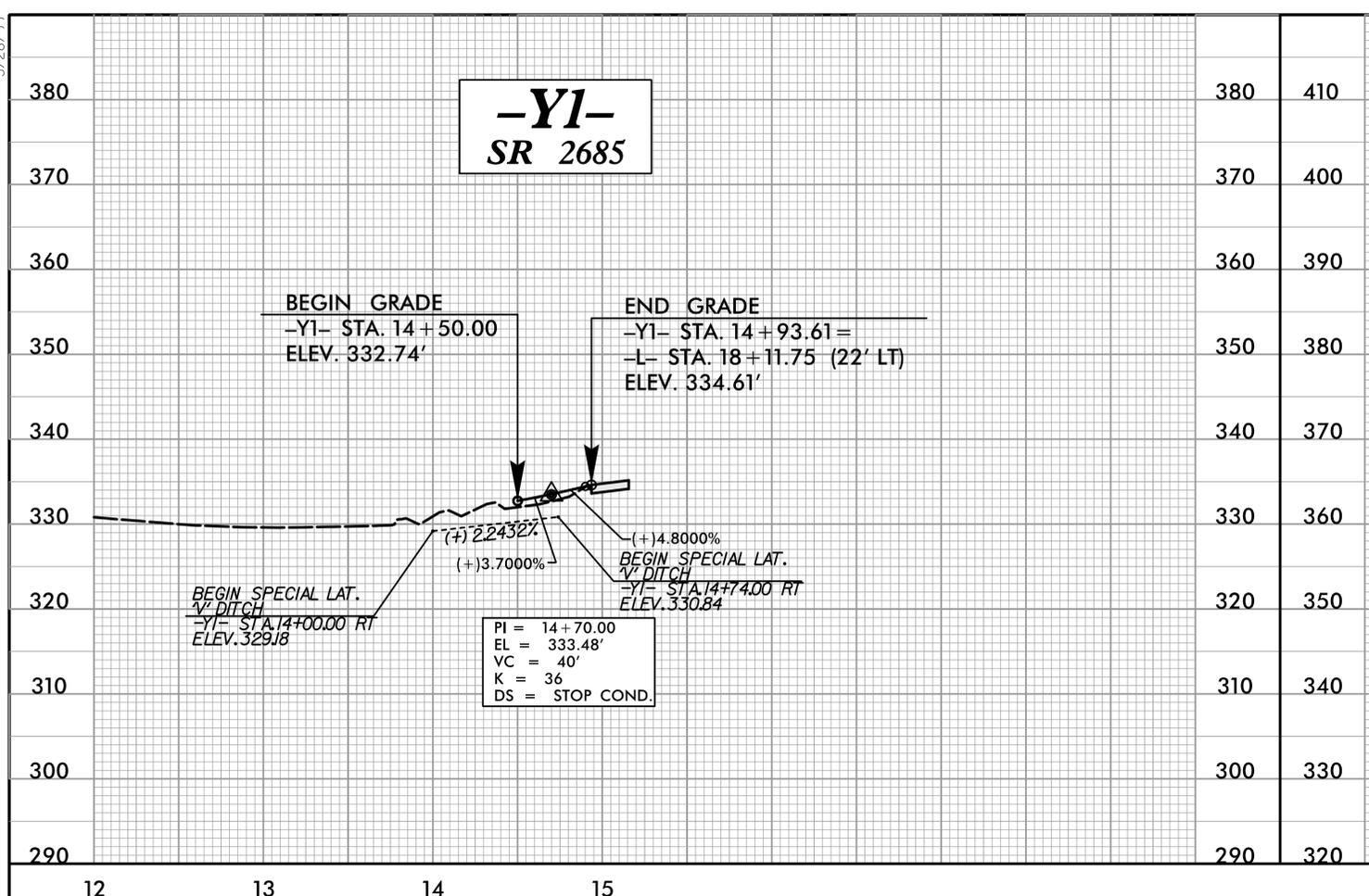
5/28/2025

EXISTING GROUND
 PROPOSED GRADE
 LEFT DITCH GRADE
 RIGHT DITCH GRADE

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

PROJECT REFERENCE NO. W-5704E	SHEET NO. 14
ROADWAY DESIGN ENGINEER SEAL 19724 DAN BURKE	HYDRAULICS ENGINEER SEAL 044158 DAN BURKE
1/26/2026	1/26/2026

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PIPE HYDRAULIC DATA
 *0503 -Y3- Sta. 15+24

DRAINAGE AREA	= 0.29	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 11	CFS
DESIGN HW ELEVATION	= 334.9	FT
100 YEAR DISCHARGE	= 13	CFS
100 YEAR HW ELEVATION	= 334.9	FT
OVERTOPPING FREQUENCY	= 500 (+)	YRS
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING ELEVATION	= 337.8	FT

PIPE HYDRAULIC DATA
 *0505 -Y3- Sta. 15+95

DRAINAGE AREA	= 0.73	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 31	CFS
DESIGN HW ELEVATION	= 335.5	FT
100 YEAR DISCHARGE	= 3.5	CFS
100 YEAR HW ELEVATION	= 335.6	FT
OVERTOPPING FREQUENCY	= 500 (+)	YRS
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING ELEVATION	= 338.2	FT

PIPE HYDRAULIC DATA
 *0607 -Y4- Sta. 11+30

DRAINAGE AREA	= 0.66	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 21	CFS
DESIGN HW ELEVATION	= 332.8	FT
100 YEAR DISCHARGE	= 2.4	CFS
100 YEAR HW ELEVATION	= 332.8	FT
OVERTOPPING FREQUENCY	= 500 (+)	YRS
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING ELEVATION	= 335.4	FT

1/23/2025
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