Docusign Envelope ID: 6E8CD4EA-3D52-4E97-971C-9FB9695154A3

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

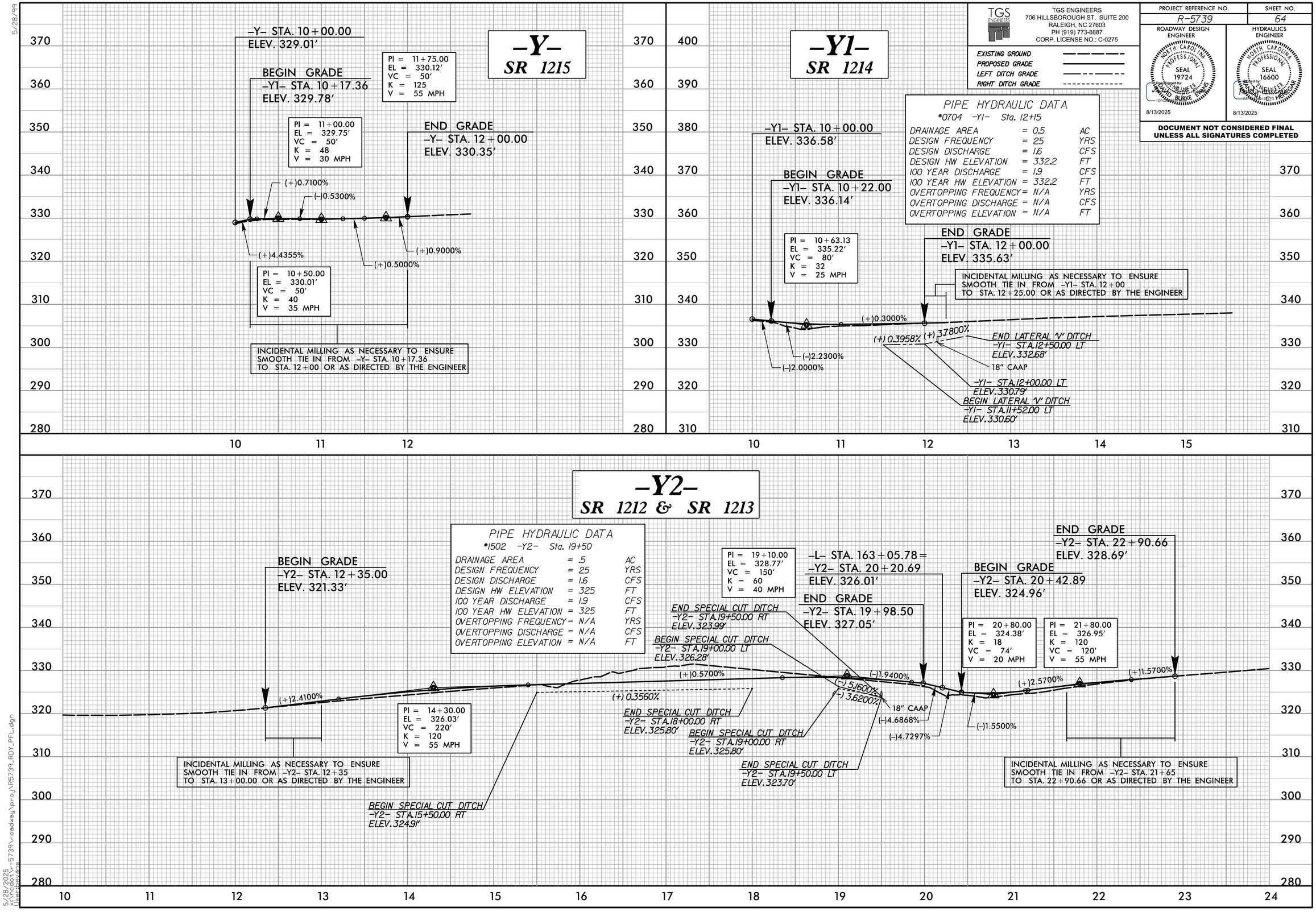
PROJECT REFERENCE NO.	SHEET NO.
R-5739	64

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 19724 ENGINEER DAVID BURKE EVANS
8/13/2025

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 16600 ENGINEER RAYMOND L. HENSHAW
8/13/2025

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

EXISTING GROUND
PROPOSED GRADE
LEFT DITCH GRADE
RIGHT DITCH GRADE



PIPE HYDRAULIC DATA
*0704 -Y1- Sta. 12+15

DRAINAGE AREA	= 0.5	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 1.6	CFS
DESIGN HW ELEVATION	= 332.2	FT
100 YEAR DISCHARGE	= 1.9	CFS
100 YEAR HW ELEVATION	= 332.2	FT
OVERTOPPING FREQUENCY	= N/A	YRS
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING ELEVATION	= N/A	FT

PIPE HYDRAULIC DATA
*1502 -Y2- Sta. 19+50

DRAINAGE AREA	= .5	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 1.6	CFS
DESIGN HW ELEVATION	= 325	FT
100 YEAR DISCHARGE	= 1.9	CFS
100 YEAR HW ELEVATION	= 325	FT
OVERTOPPING FREQUENCY	= N/A	YRS
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING ELEVATION	= N/A	FT

5/28/99

5/28/2025
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User:evans