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

5/28/99

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

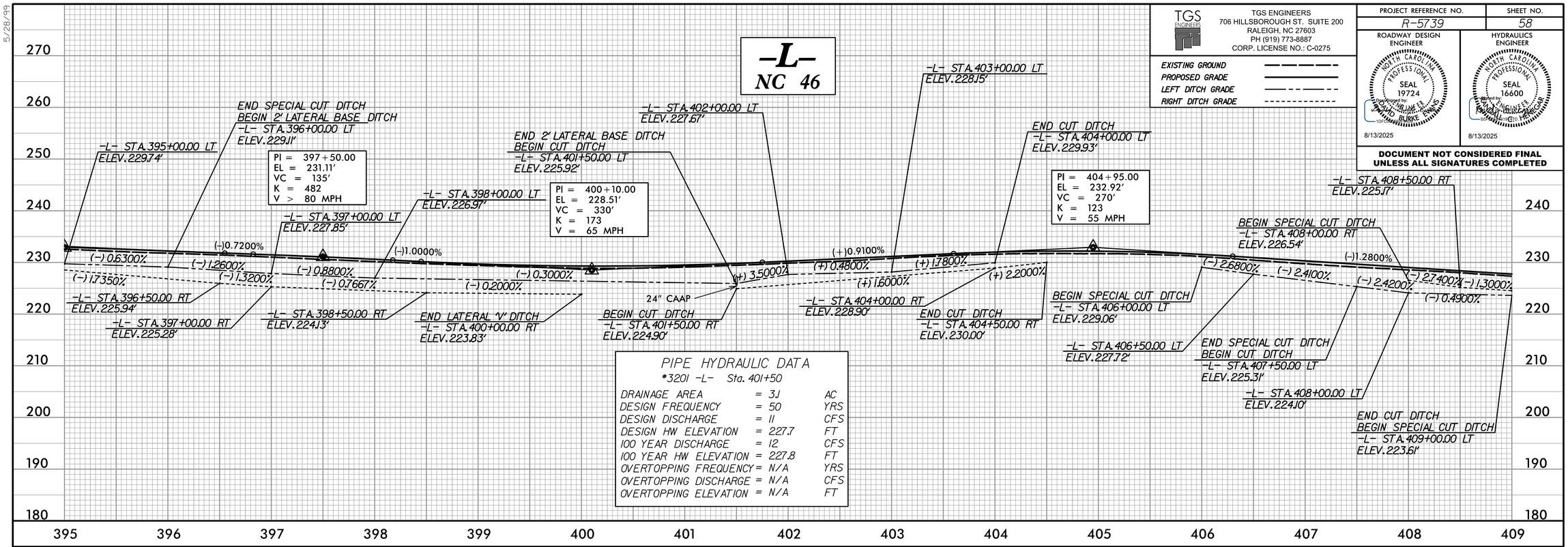
PROJECT REFERENCE NO.	SHEET NO.
R-5739	58

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

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 16600 ENGINEER RANDAL BRUCE HENSHAW
Digitally signed by RANDAL BRUCE HENSHAW
8/13/2025

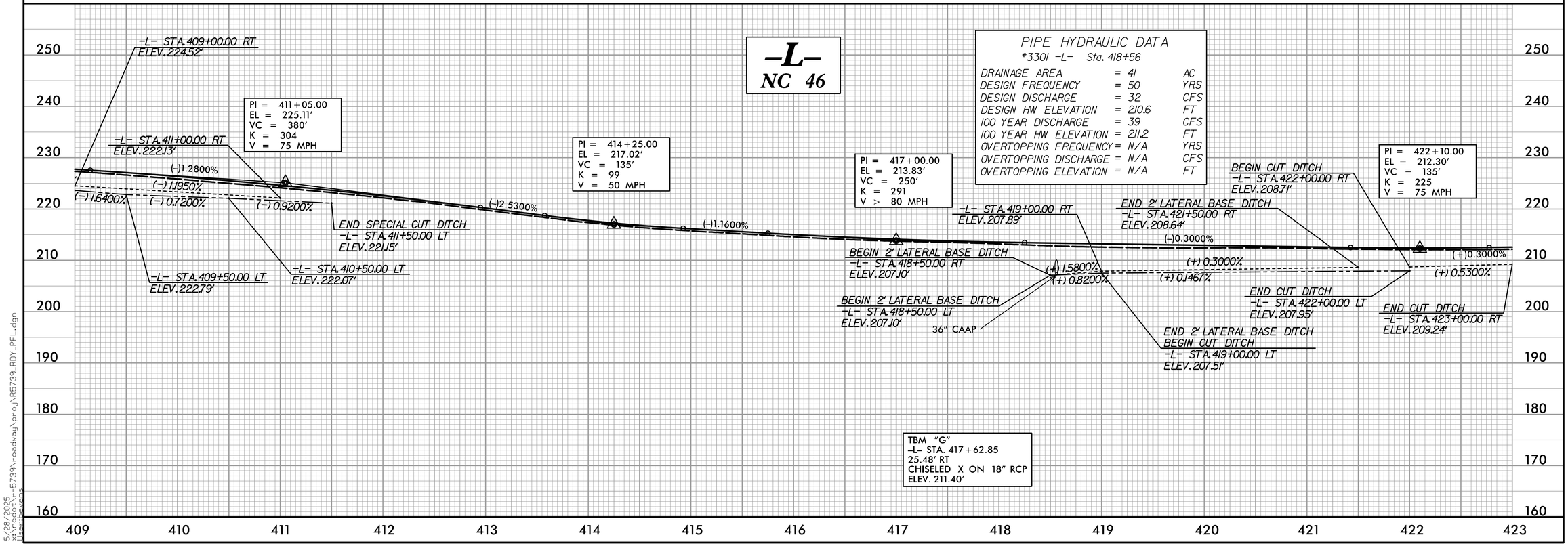
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

EXISTING GROUND
PROPOSED GRADE
LEFT DITCH GRADE
RIGHT DITCH GRADE



PIPE HYDRAULIC DATA
*3201 -L- Sta. 401+50

DRAINAGE AREA	=	3.1	AC
DESIGN FREQUENCY	=	50	YRS
DESIGN DISCHARGE	=	11	CFS
DESIGN HW ELEVATION	=	227.7	FT
100 YEAR DISCHARGE	=	12	CFS
100 YEAR HW ELEVATION	=	227.8	FT
OVERTOPPING FREQUENCY	=	N/A	YRS
OVERTOPPING DISCHARGE	=	N/A	CFS
OVERTOPPING ELEVATION	=	N/A	FT



PIPE HYDRAULIC DATA
*3301 -L- Sta. 418+56

DRAINAGE AREA	=	41	AC
DESIGN FREQUENCY	=	50	YRS
DESIGN DISCHARGE	=	32	CFS
DESIGN HW ELEVATION	=	210.6	FT
100 YEAR DISCHARGE	=	39	CFS
100 YEAR HW ELEVATION	=	211.2	FT
OVERTOPPING FREQUENCY	=	N/A	YRS
OVERTOPPING DISCHARGE	=	N/A	CFS
OVERTOPPING ELEVATION	=	N/A	FT

TBM "G"
-L- STA. 417+62.85
25.48' RT
CHISELED X ON 18" RCP
ELEV. 211.40'

5/28/2025
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User:revans