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

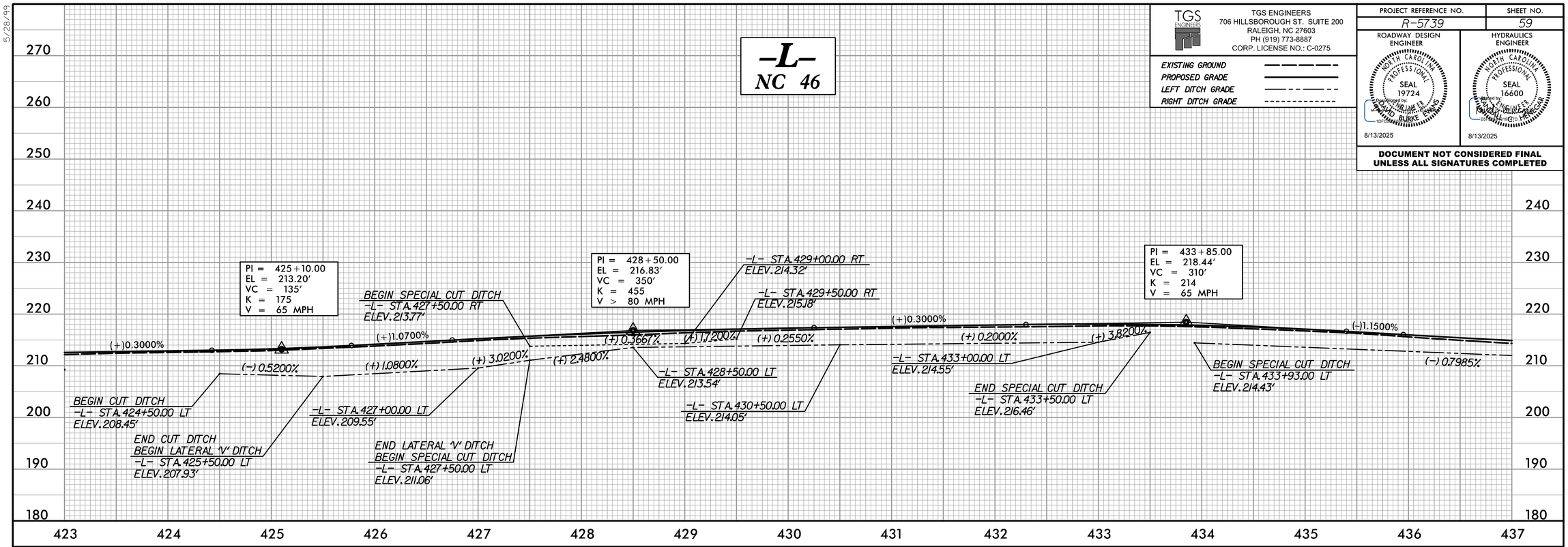
PROJECT REFERENCE NO.	SHEET NO.
R-5739	59

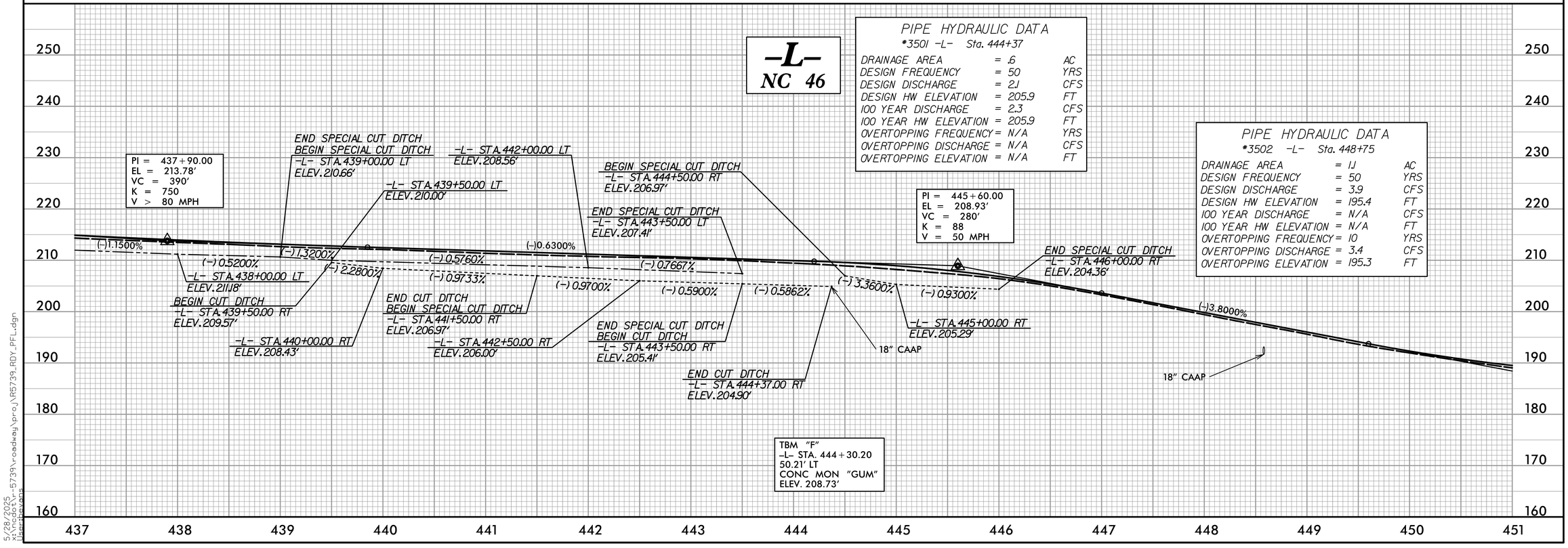
ROADWAY DESIGN ENGINEER: NORTH CAROLINA PROFESSIONAL SEAL 19724 — DAVID BURKE EVANS — 8/13/2025

HYDRAULICS ENGINEER: NORTH CAROLINA PROFESSIONAL SEAL 16600 — MATTHEW C. 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
*3501 -L- Sta. 444+37

DRAINAGE AREA	= .6	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 2.1	CFS
DESIGN HW ELEVATION	= 205.9	FT
100 YEAR DISCHARGE	= 2.3	CFS
100 YEAR HW ELEVATION	= 205.9	FT
OVERTOPPING FREQUENCY	= N/A	YRS
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING ELEVATION	= N/A	FT

PIPE HYDRAULIC DATA
*3502 -L- Sta. 448+75

DRAINAGE AREA	= 1.1	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 3.9	CFS
DESIGN HW ELEVATION	= 195.4	FT
100 YEAR DISCHARGE	= N/A	CFS
100 YEAR HW ELEVATION	= N/A	FT
OVERTOPPING FREQUENCY	= 10	YRS
OVERTOPPING DISCHARGE	= 3.4	CFS
OVERTOPPING ELEVATION	= 195.3	FT

5/28/2025
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User:evans