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5/28/99

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

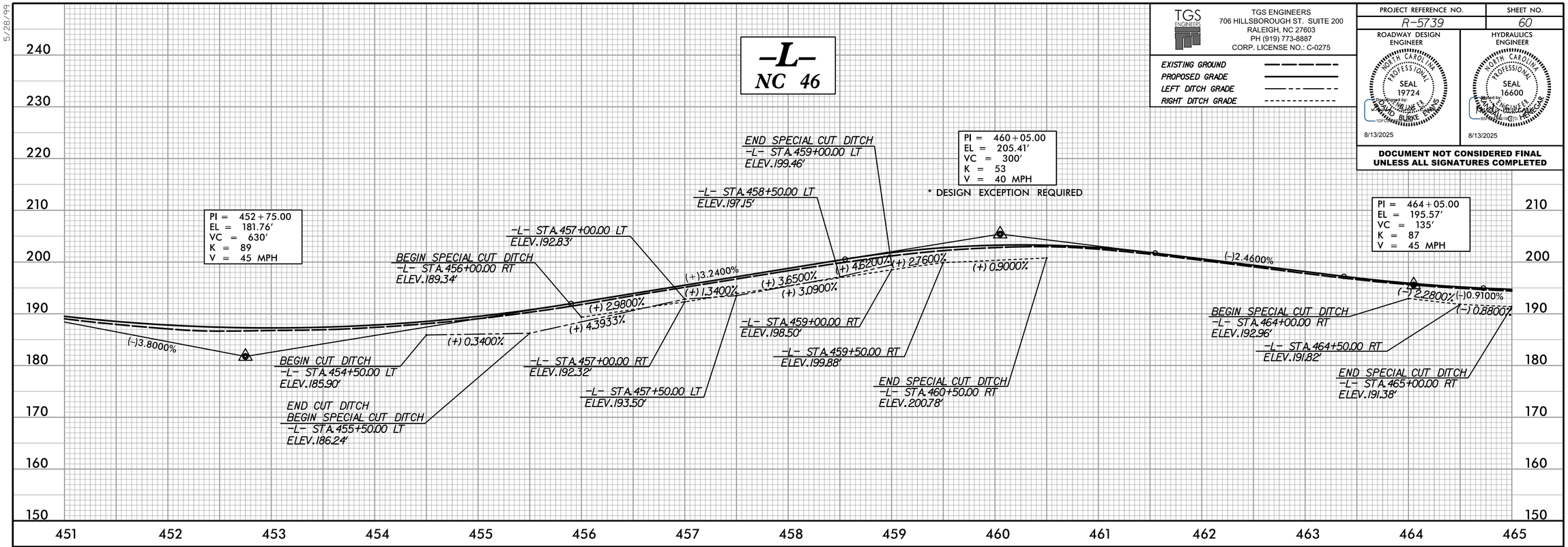
PROJECT REFERENCE NO.	SHEET NO.
R-5739	60

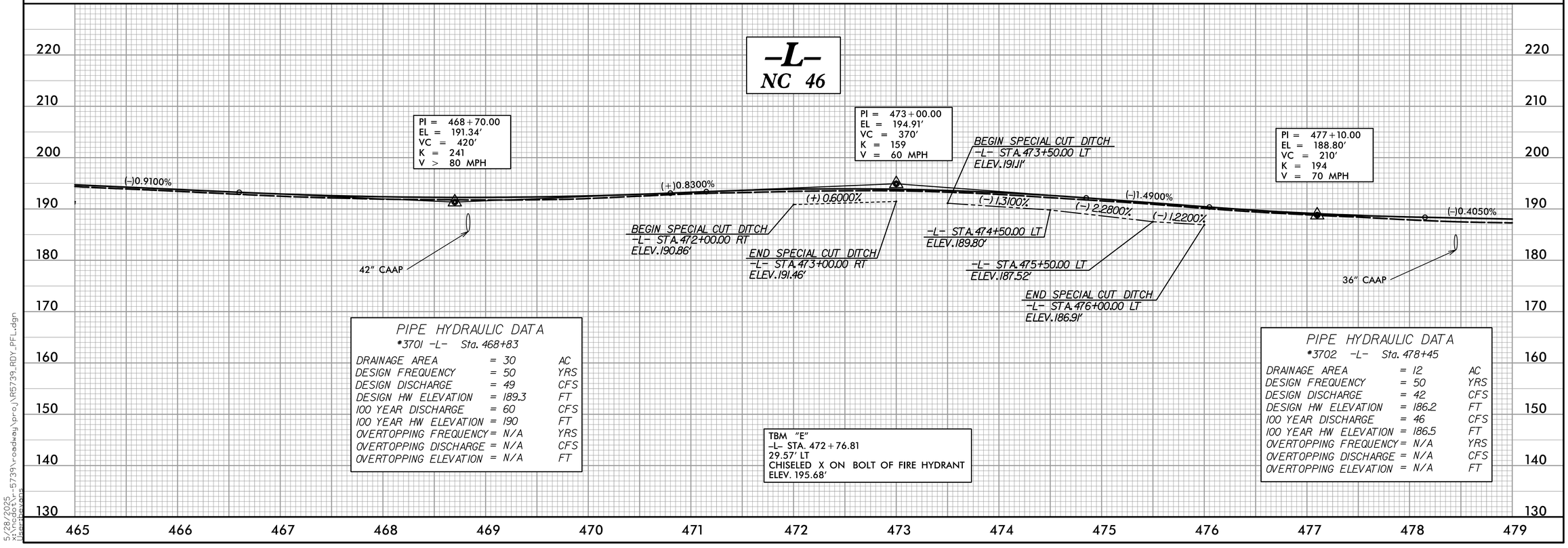
ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 19724 ENGINEER DAVID BURKE EVANS
DocuSigned by: DAVID BURKE EVANS 10F0A5A6A6A6A6A...
8/13/2025

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 16600 ENGINEER PAUL J. HINEGARDNER
DocuSigned by: PAUL J. HINEGARDNER 6E0A1A1A1A1A1A...
8/13/2025

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

EXISTING GROUND
PROPOSED GRADE
LEFT DITCH GRADE
RIGHT DITCH GRADE





PIPE HYDRAULIC DATA
*3701 -L- Sta. 468+83

DRAINAGE AREA	= 30	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 49	CFS
DESIGN HW ELEVATION	= 189.3	FT
100 YEAR DISCHARGE	= 60	CFS
100 YEAR HW ELEVATION	= 190	FT
OVERTOPPING FREQUENCY	= N/A	YRS
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING ELEVATION	= N/A	FT

TBM "E"
-L- STA. 472+76.81
29.57' LT
CHISELED X ON BOLT OF FIRE HYDRANT
ELEV. 195.68'

PIPE HYDRAULIC DATA
*3702 -L- Sta. 478+45

DRAINAGE AREA	= 12	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 42	CFS
DESIGN HW ELEVATION	= 186.2	FT
100 YEAR DISCHARGE	= 46	CFS
100 YEAR HW ELEVATION	= 186.5	FT
OVERTOPPING FREQUENCY	= N/A	YRS
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING ELEVATION	= N/A	FT

5/28/2025
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User:evans