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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

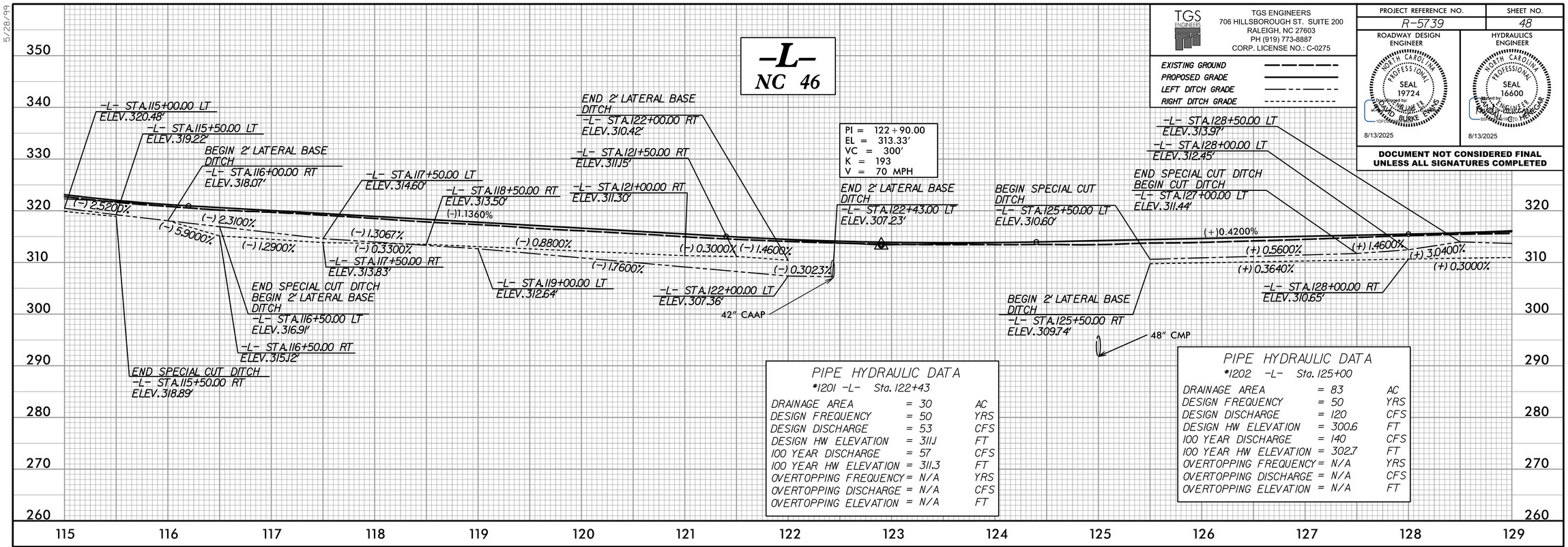
PROJECT REFERENCE NO.	SHEET NO.
R-5739	48

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 19724 ENGINEER DAVID W. BURKE
Digitally signed by DAVID W. BURKE
DocuSigned by: 10F2A5BA...
8/13/2025

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 16600 ENGINEER PAUL A. HENSHAW
Digitally signed by PAUL A. HENSHAW
DocuSigned by: 6C0F0A...
8/13/2025

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

EXISTING GROUND
PROPOSED GRADE
LEFT DITCH GRADE
RIGHT DITCH GRADE



PIPE HYDRAULIC DATA
*1201 -L- Sta. 122+43

DRAINAGE AREA	= 30	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 53	CFS
DESIGN HW ELEVATION	= 311.1	FT
100 YEAR DISCHARGE	= 57	CFS
100 YEAR HW ELEVATION	= 311.3	FT
OVERTOPPING FREQUENCY	= N/A	YRS
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING ELEVATION	= N/A	FT

PIPE HYDRAULIC DATA
*1202 -L- Sta. 125+00

DRAINAGE AREA	= 83	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 120	CFS
DESIGN HW ELEVATION	= 300.6	FT
100 YEAR DISCHARGE	= 140	CFS
100 YEAR HW ELEVATION	= 302.7	FT
OVERTOPPING FREQUENCY	= N/A	YRS
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING ELEVATION	= N/A	FT

PIPE HYDRAULIC DATA
*1301 -L- Sta. 129+91

DRAINAGE AREA	= 2.9	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 10	CFS
DESIGN HW ELEVATION	= 314.3	FT
100 YEAR DISCHARGE	= 11	CFS
100 YEAR HW ELEVATION	= 314.4	FT
OVERTOPPING FREQUENCY	= N/A	YRS
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING ELEVATION	= N/A	FT

5/28/2025
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usarpevans