Docusign Envelope ID: 2B2C5310-1D6B-408F-9DFF-C1C8C91A98AE

5/28/99

PIPE HYDRAULIC DATA

36" RCP Sta. 15+59 -Y1-

DRAINAGE AREA	= 9.9	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 33	CFS
DESIGN HW ELEVATION	= 124.9	FT
100 YEAR DISCHARGE	= 39	CFS
100 YEAR HW ELEVATION	= 125.2	FT
OVERTOPPING FREQUENCY	= +/-100	YRS
OVERTOPPING DISCHARGE	= +/-39	CFS
OVERTOPPING ELEVATION	= 125.1	FT

-Y1-

BM #1 ELEVATION = 128.03
N 605354 E 2314798
-Y1- STATION 21+82.03 65.37' RIGHT
BENCHTIE NAIL SET IN 30" OAK

PLANS PREPARED BY :
PARSONS
RALEIGH, NORTH CAROLINA, (919) 854-1345
NC LICENSE NO. F-0246
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

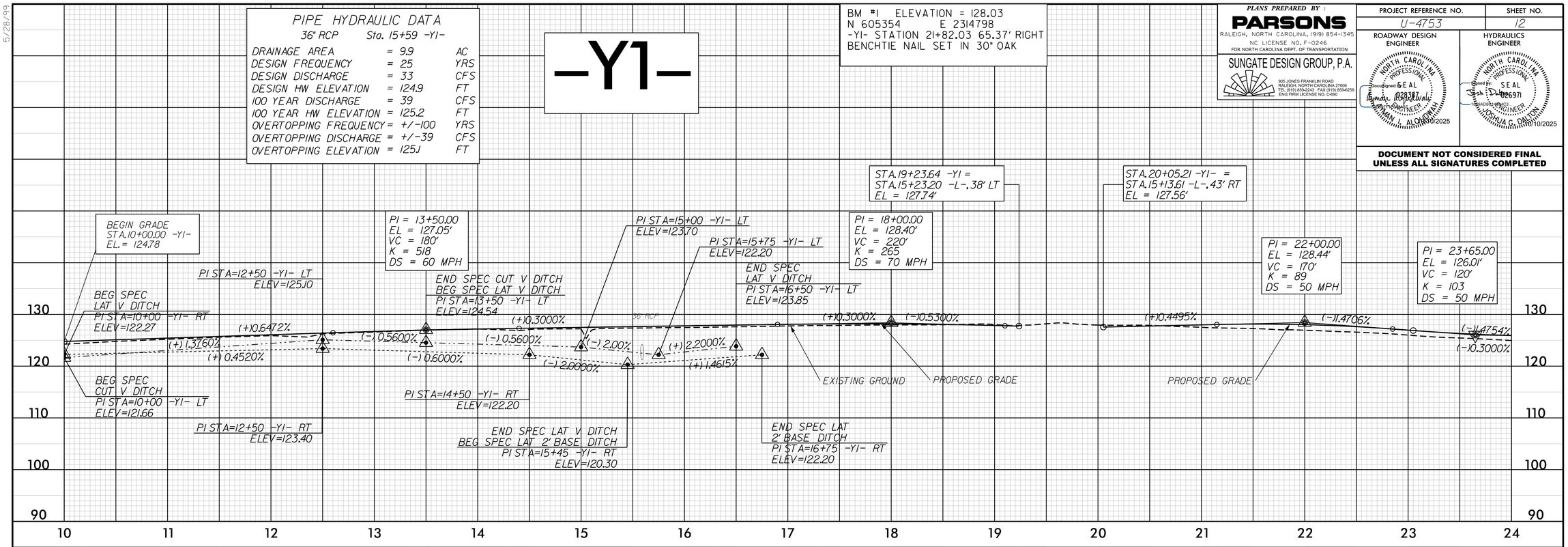
SUNGATE DESIGN GROUP, P.A.
905 JONES FRANKLIN ROAD
RALEIGH, NORTH CAROLINA 27606
TEL (919) 859-2243 FAX (919) 859-6258
ENG FIRM LICENSE NO. C-890

PROJECT REFERENCE NO.	SHEET NO.
U-4753	12

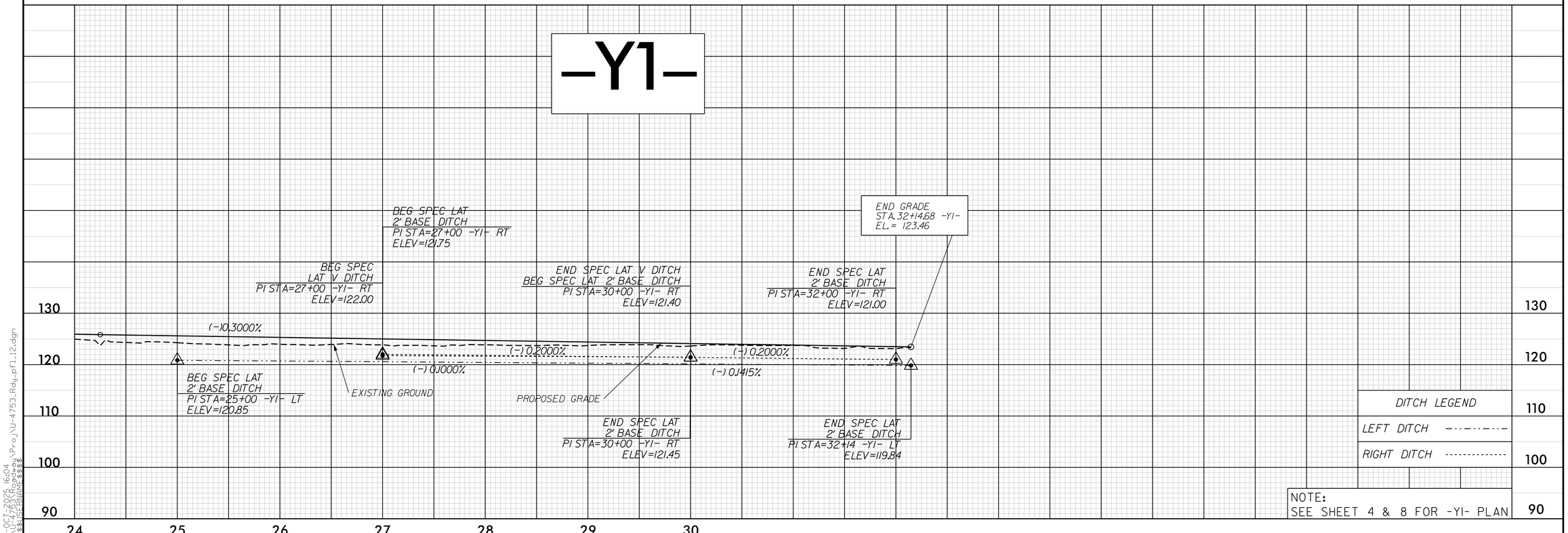
ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 023371 ENGINEER
DocuSigned by: Eyman Alqhomari
EYMAN I. ALQHOMARI
10/10/2025

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 026971 ENGINEER
DocuSigned by: Joshua Dalton
JOSHUA G. DALTON
10/10/2025

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



-Y1-



DITCH LEGEND	
LEFT DITCH	-·-·-·-·-
RIGHT DITCH	----------

NOTE:
SEE SHEET 4 & 8 FOR -Y1- PLAN

09-OCT-2025 16:04
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$$$$USERNAME$$$$