DocuSign Envelope ID: B166D415-C303-4C4C-9FD2-FE2915B69B50

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.183	5

ROADWAY DESIGN ENGINEER
DocuSigned by: SEAL 030952 NORTH CAROLINA PROFESSIONAL ENGINEER JENNIFER D. FARINO
12/19/2022

HYDRAULICS ENGINEER
DocuSigned by: SEAL 049784 NORTH CAROLINA PROFESSIONAL ENGINEER ALEXANDER R. VINSON
12/19/2022

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

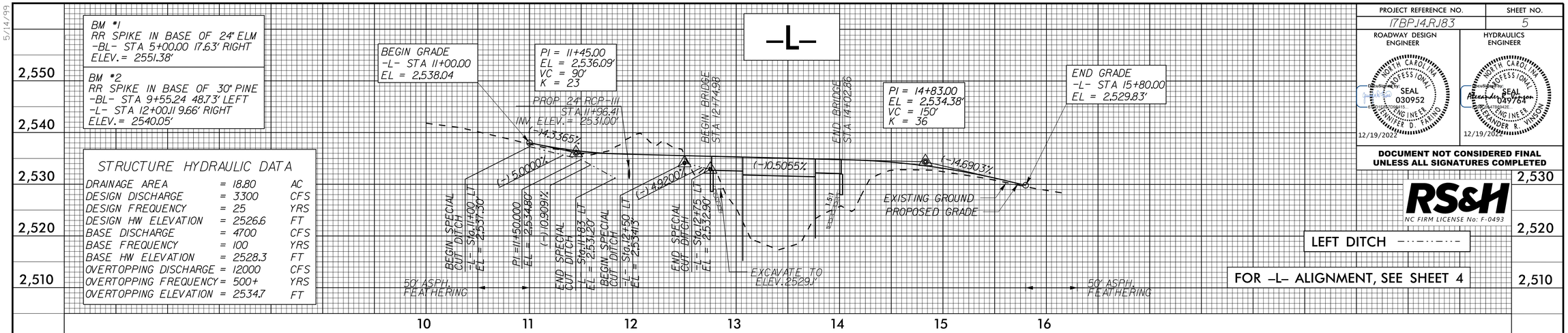
RS&H
NC FIRM LICENSE No: F-0493

BM #1
RR SPIKE IN BASE OF 24" ELM
-BL- STA 5+00.00 17.63' RIGHT
ELEV.= 2551.38'

BM #2
RR SPIKE IN BASE OF 30" PINE
-BL- STA 9+55.24 48.73' LEFT
-L- STA 12+00.11 9.66' RIGHT
ELEV.= 2540.05'

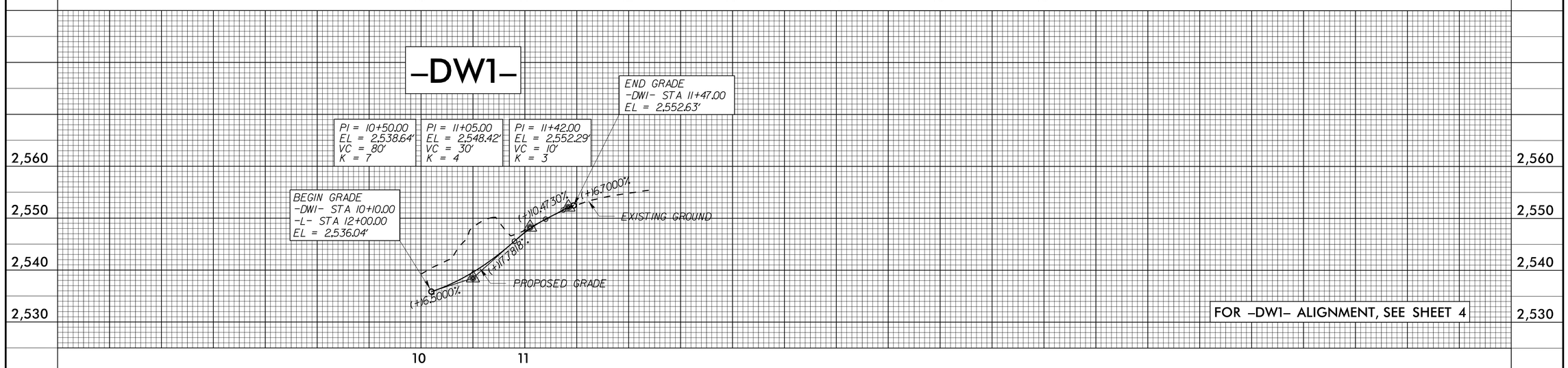
STRUCTURE HYDRAULIC DATA

DRAINAGE AREA	= 18.80	AC
DESIGN DISCHARGE	= 3300	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 2526.6	FT
BASE DISCHARGE	= 4700	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 2528.3	FT
OVERTOPPING DISCHARGE	= 12000	CFS
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING ELEVATION	= 2534.7	FT

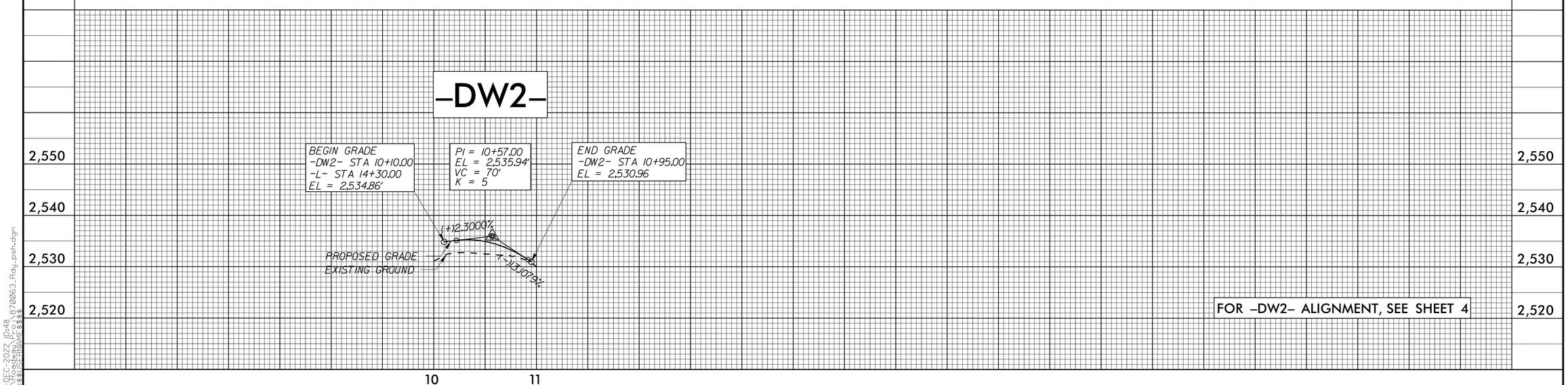


LEFT DITCH - - - - - - - - -

FOR -L- ALIGNMENT, SEE SHEET 4



FOR -DW1- ALIGNMENT, SEE SHEET 4



FOR -DW2- ALIGNMENT, SEE SHEET 4

18-DEC-2022 10:48
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$$$$USERNAME$$$$