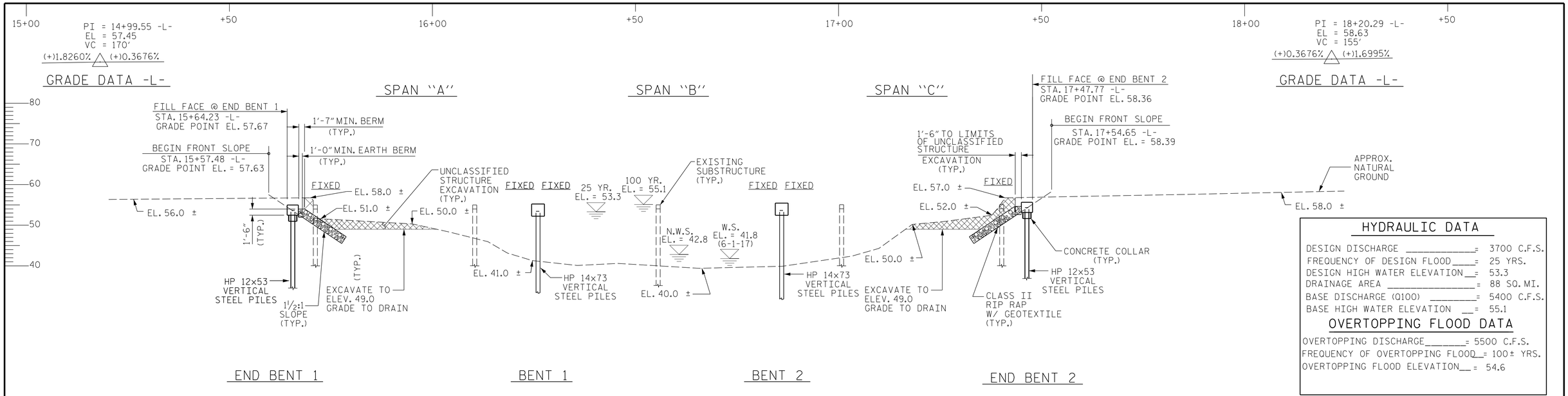
DocuSign Envelope ID: A755C5D4-3F9A-4562-B867-3759DE1C80F6



HYDRAULIC DATA

DESIGN DISCHARGE	= 3700 C.F.S.
FREQUENCY OF DESIGN FLOOD	= 25 YRS.
DESIGN HIGH WATER ELEVATION	= 53.3
DRAINAGE AREA	= 88 SQ. MI.
BASE DISCHARGE (Q100)	= 5400 C.F.S.
BASE HIGH WATER ELEVATION	= 55.1

OVERTOPPING FLOOD DATA

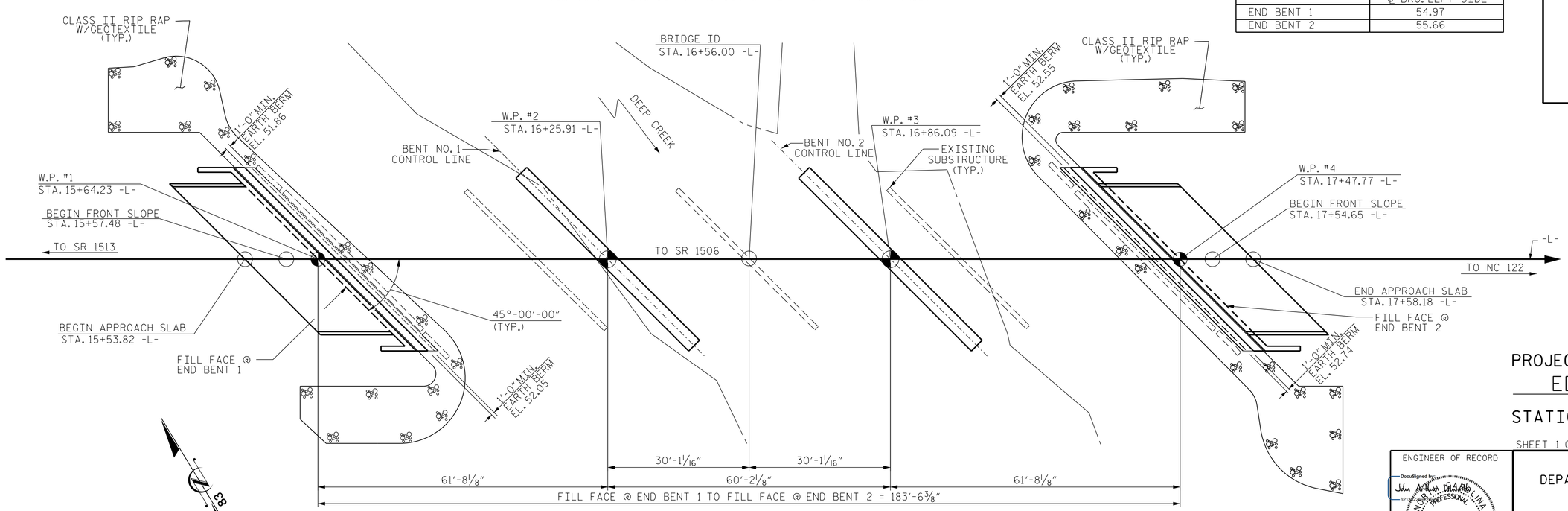
OVERTOPPING DISCHARGE	= 5500 C.F.S.
FREQUENCY OF OVERTOPPING FLOOD	= 100± YRS.
OVERTOPPING FLOOD ELEVATION	= 54.6

SECTION ALONG -L-

SECTIONS AT END BENTS AND BENTS ARE TAKEN AT RIGHT ANGLES

LOW CHORD ELEVATIONS	
	ELEVATION @ ℄ BRG. LEFT SIDE
END BENT 1	54.97
END BENT 2	55.66

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS



PLAN

(PILES NOT SHOWN IN PLAN VIEW)

PROJECT NO. 17BP.4.R.82

EDGECOMBE COUNTY

STATION: 16+56.00 -L-

SHEET 1 OF 2 REPLACES BRIDGE 47

ENGINEER OF RECORD

DocuSigned by: John Arthur Dilworth III, P.E.

NORTH CAROLINA PROFESSIONAL SEAL 22072 ENGINEER JOHN ARTHUR DILWORTH

4/9/2018

WETHERILL ENGINEERING

1223 Jones Franklin Rd.
Raleigh, N.C. 27606
Bus: 919 851 8077
Fax: 919 851 8107
LICENSE NO. F-0377

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
FOR BRIDGE ON SR 1506
OVER DEEP CREEK
BETWEEN SR 1513 AND NC 122

REVISIONS						
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			
2			4			

SHEET NO. S-1

TOTAL SHEETS S-19

DRAWN BY : J. PENDERGRAFT DATE : 9-17

CHECKED BY : J. DILWORTH DATE : 11-17

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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