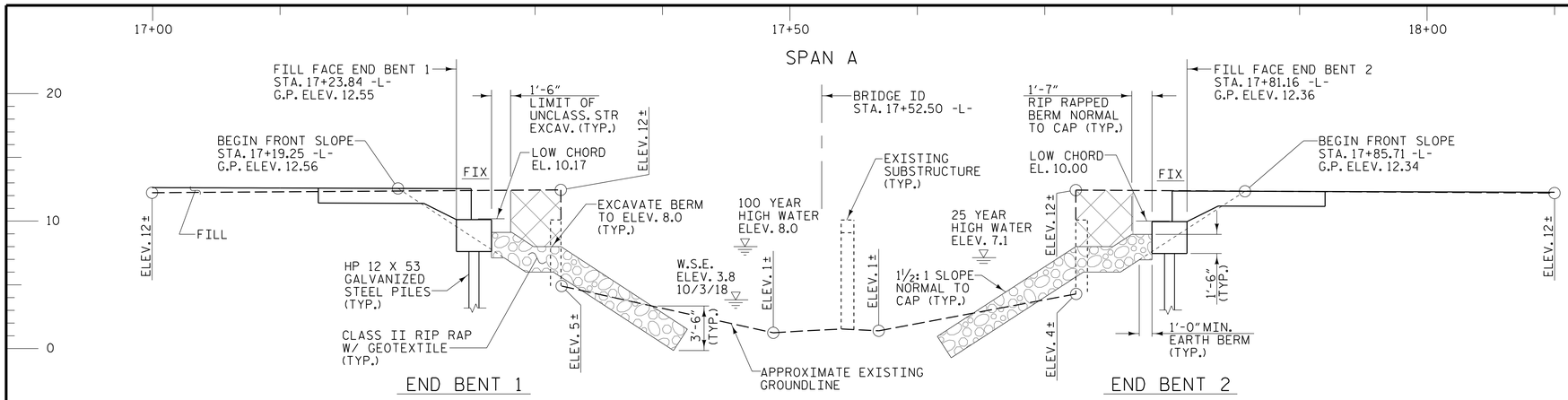
DocuSign Envelope ID: CB0279DB-22BE-4E58-8575-B481C1F38517



SECTION ALONG -L-

(SECTIONS AT END BENTS ARE TAKEN AT RIGHT ANGLES)

PI = 16+50.00
EL = 12.80'
VC = 120'

(+)0.4246% (-)0.3345%

GRADE DATA
-L- (SR 1144)

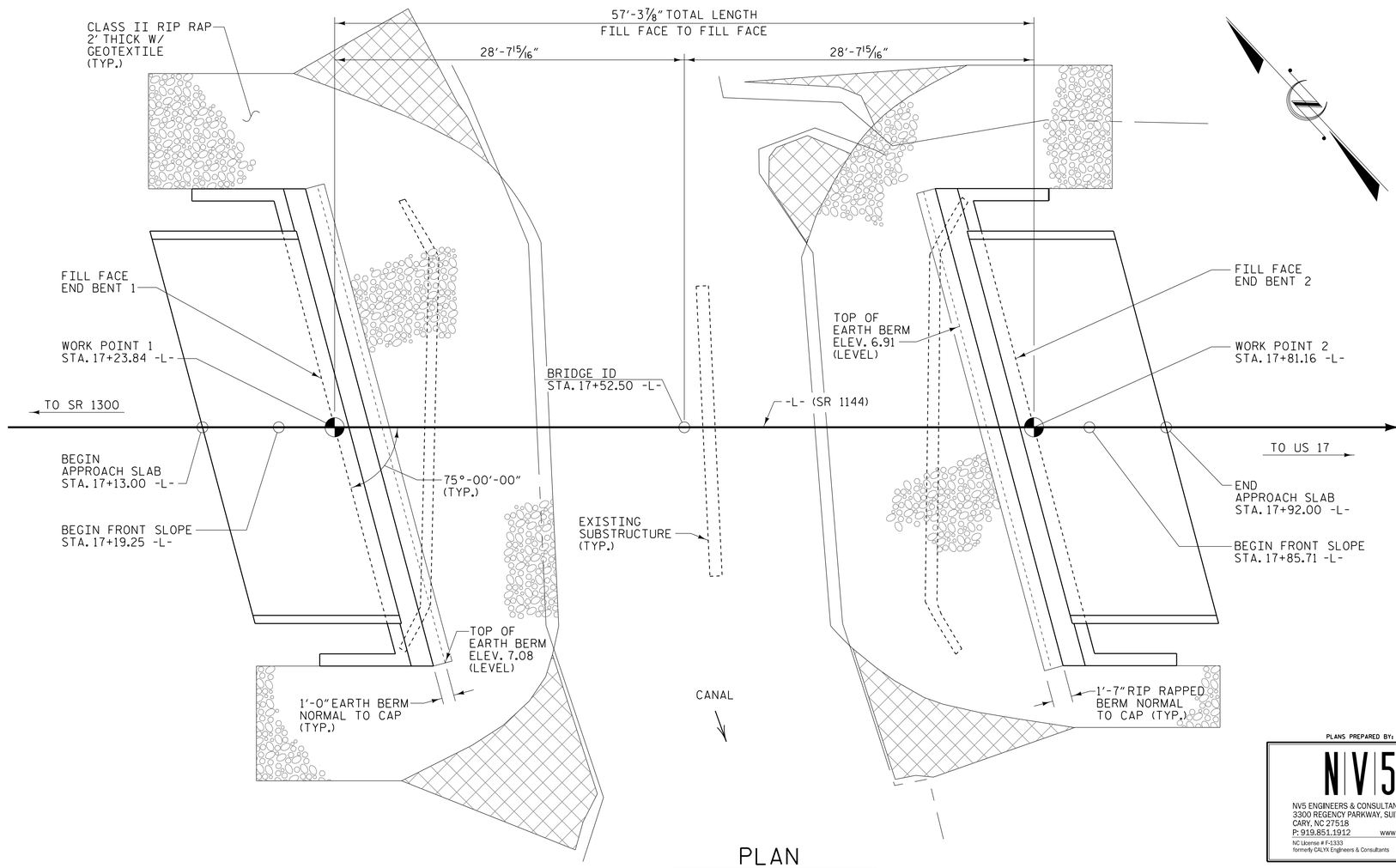
HYDRAULIC DATA:

DESIGN DISCHARGE -	200 CFS
FREQUENCY OF DESIGN FLOOD -	25 YEAR
DESIGN HIGH WATER ELEVATION -	7.1 FT.
DRAINAGE AREA -	0.65 SQ. MI.
BASE DISCHARGE (Q 100) -	300 CFS
BASE HIGH WATER ELEVATION -	8.0 FT.

OVERTOPPING DATA:

OVERTOPPING DISCHARGE -	1000 CFS
FREQUENCY OF OVERTOPPING-	>500 YEAR
OVERTOPPING FLOOD ELEVATION -	10.9 FT.

OVERTOPPING EXCEEDS 500 YEAR EVENT
LOW POINT OF ROADWAY OVERTOPPING
PROFILE OCCURS AT -L- STA. 22+94.20



PLAN

PILES NOT SHOWN FOR CLARITY

PROJECT NO. 17BP.1.R.99
PASQUOTANK COUNTY
STATION: 17+52.50 -L-

SHEET 1 OF 2 REPLACES BRIDGE NO. 25

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
BRIDGE ON SR 1144
OVER CANAL
BETWEEN SR 1300 & US 17

30'-10" CLEAR ROADWAY - 75° SKEW

PLANS PREPARED BY:

NV5 ENGINEERS & CONSULTANTS, INC.
3300 REGENCY PARKWAY, SUITE 100
CARY, NC 27518
P: 919.851.1912 www.NV5.com
NC License # F-0333
formerly CALYX Engineers & Consultants

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

NORTH CAROLINA PROFESSIONAL SEAL ENGINEER GERALDOLEN F. WILSON 045282

DocuSigned by:
Geraldolen Wilson
C8C7B0FAD4884DC...
10/22/2021

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

SHEET NO. S-1
TOTAL SHEETS 13

DRAWN BY :	W. B. ALLEN	DATE :	11/20
CHECKED BY :	G. F. WILSON	DATE :	1/21
DESIGN ENGINEER OF RECORD:	G. F. WILSON	DATE :	10/21

10/22/2021 9:17:56 AM R:\Structures\17BP.1.R.99_SWU_GDL690025.dgn