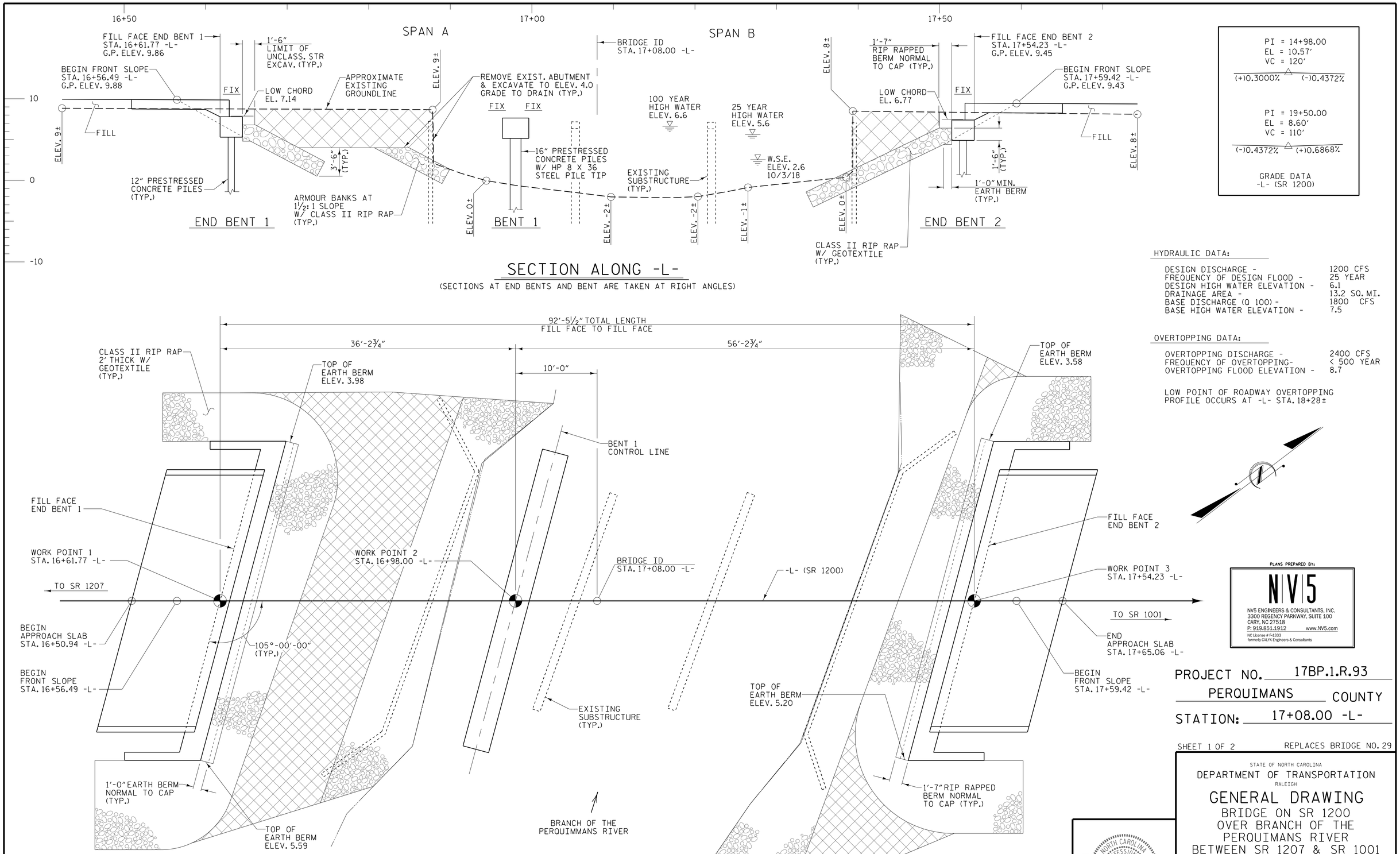
DocuSign Envelope ID: 297288F0-1416-4DB2-9AD3-7F8A03E8E71F



PI = 14+98.00
EL = 10.57'
VC = 120'
(+)0.3000% △ (-)0.4372%

PI = 19+50.00
EL = 8.60'
VC = 110'
(-)0.4372% △ (+)0.6868%

GRADE DATA
-L- (SR 1200)

HYDRAULIC DATA:

DESIGN DISCHARGE -	1200 CFS
FREQUENCY OF DESIGN FLOOD -	25 YEAR
DESIGN HIGH WATER ELEVATION -	6.1
DRAINAGE AREA -	13.2 SQ. MI.
BASE DISCHARGE (Q 100) -	1800 CFS
BASE HIGH WATER ELEVATION -	7.5

OVERTOPPING DATA:

OVERTOPPING DISCHARGE -	2400 CFS
FREQUENCY OF OVERTOPPING-	< 500 YEAR
OVERTOPPING FLOOD ELEVATION -	8.7

LOW POINT OF ROADWAY OVERTOPPING PROFILE OCCURS AT -L- STA. 18+28±

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-1333
formerly CALYX Engineers & Consultants

PROJECT NO. 17BP.1.R.93

PERQUIMANS COUNTY

STATION: 17+08.00 -L-

SHEET 1 OF 2 REPLACES BRIDGE NO. 29

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

BRIDGE ON SR 1200
OVER BRANCH OF THE
PERQUIMANS RIVER
BETWEEN SR 1207 & SR 1001
30'-6" CLEAR ROADWAY - 105° SKEW

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045282 GWENDOLEN F. WILSON
DocuSigned by: Gwendolen Wilson
3/26/2021

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

SHEET NO. S-1
TOTAL SHEETS 24

DRAWN BY :	W. B. ALLEN	DATE :	5/19
CHECKED BY :	G. F. WILSON	DATE :	8/19
DESIGN ENGINEER OF RECORD:	G. F. WILSON	DATE :	3/26/21

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED