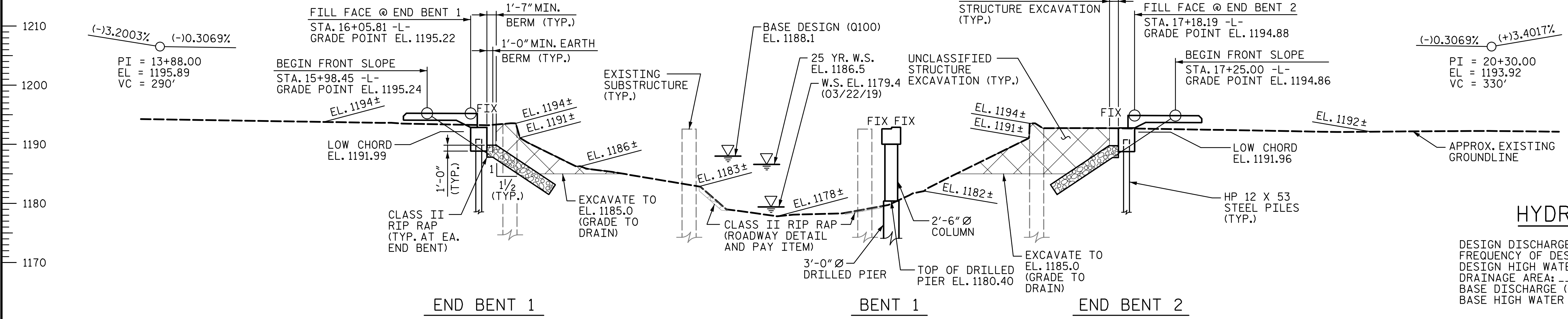


VERTICAL CURVE DATA -L-

$(-)3.2003\%$ $(-)0.3069\%$
 PI = 13+88.00
 EL = 1195.89
 VC = 290'

VERTICAL CURVE DATA -L-

$(-)0.3069\%$ $(+)3.4017\%$
 PI = 20+30.00
 EL = 1193.92
 VC = 330'



SECTION ALONG -L-

HYDRAULIC DATA

DESIGN DISCHARGE: 1800 CFS
 FREQUENCY OF DESIGN FLOOD: 25 YRS.
 DESIGN HIGH WATER ELEVATION: 1186.5
 DRAINAGE AREA: 7.7 SQ. MI.
 BASE DISCHARGE (Q100): 2600 CFS
 BASE HIGH WATER ELEVATION: 1188.1

OVERTOPPING DATA

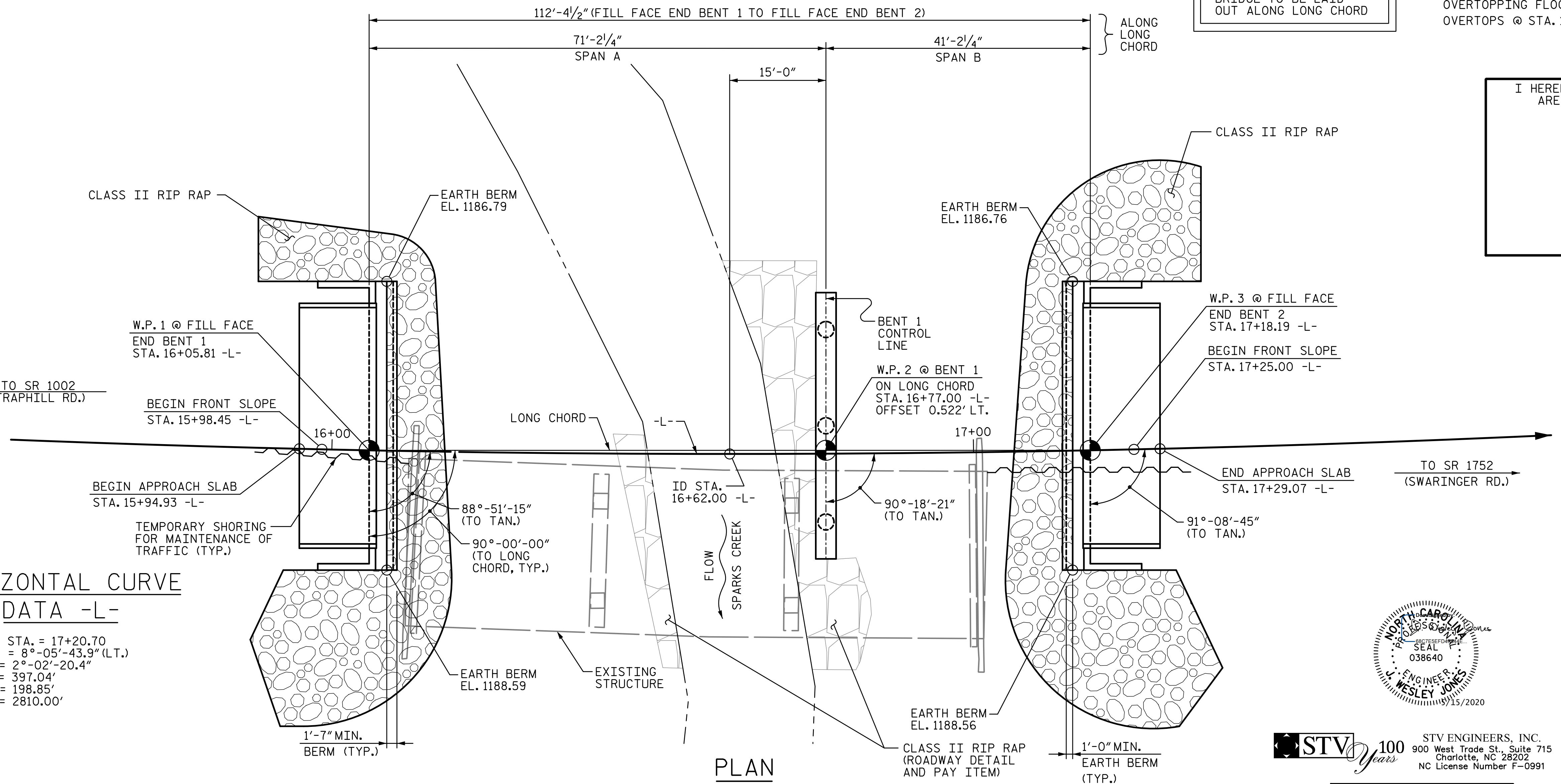
OVERTOPPING DISCHARGE: 10300 CFS
 FREQUENCY OF OVERTOPPING: 500+ YRS.
 OVERTOPPING FLOOD ELEVATION: 1194.8
 OVERTOPS @ STA. 18+92.30 -L-

BRIDGE TO BE LAID OUT ALONG LONG CHORD

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

HORIZONTAL CURVE DATA -L-

PI STA. = 17+20.70
 $\Delta = 8^{\circ}-05'-43.9"$ (LT.)
 $D = 2^{\circ}-02'-20.4"$
 L = 397.04'
 T = 198.85'
 R = 2810.00'



PLAN

(STEEL PILES NOT SHOWN FOR CLARITY)

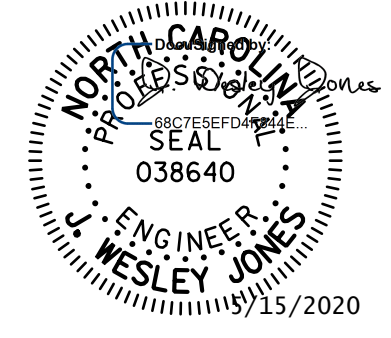
PROJECT NO. BR-0126

WILKES COUNTY

STATION: 16+62.00 -L-

SHEET 1 OF 2 REPLACES BRIDGE NO. 667

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 GENERAL DRAWING
 FOR BRIDGE ON SR 1749
 (AUSTIN TRAPHILL RD.) OVER
 SPARKS CREEK
 BETWEEN SR 1002 AND SR 1752



STV ENGINEERS, INC.
 900 West Trade St., Suite 715
 Charlotte, NC 28202
 NC License Number F-0991

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

S-1
TOTAL SHEETS 23

R:\Structures\ustation\Finals\401_001_BR-0126_SMU_GDL_001_960667.dgn
 10:55:56 AM
 5/14/2020
 Jones

DRAWN BY : LAH DATE : 10-19
 CHECKED BY : JWJ DATE : 2-20
 DESIGN ENGINEER OF RECORD : JWJ DATE : 5-20