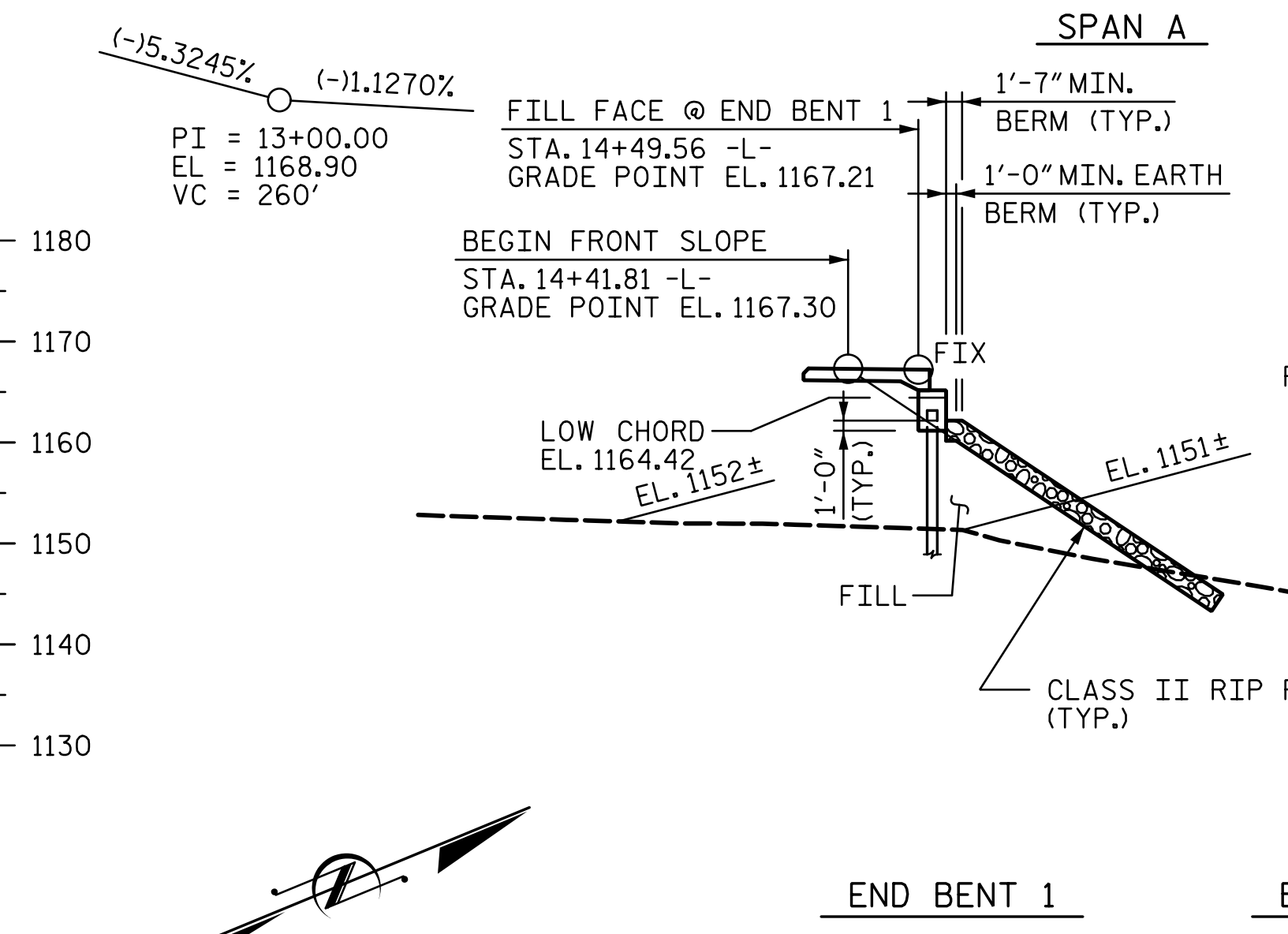
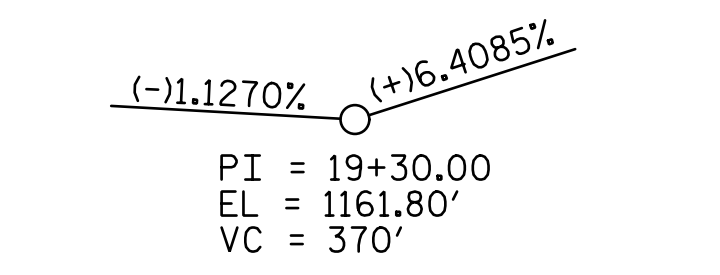


### VERTICAL CURVE DATA -L-



### VERTICAL CURVE DATA -L-



### HYDRAULIC DATA

|                              |              |
|------------------------------|--------------|
| DESIGN DISCHARGE:            | 4400 CFS     |
| FREQUENCY OF DESIGN FLOOD:   | 25 YRS.      |
| DESIGN HIGH WATER ELEVATION: | 1149.7       |
| DRAINAGE AREA:               | 27.7 SQ. MI. |
| BASE DISCHARGE (Q100):       | 6100 CFS     |
| BASE HIGH WATER ELEVATION:   | 1151.7       |

### OVERTOPPING DATA

|                              |           |
|------------------------------|-----------|
| OVERTOPPING DISCHARGE:       | 20000 CFS |
| FREQUENCY OF OVERTOPPING:    | 500+ YRS. |
| OVERTOPPING FLOOD ELEVATION: | 1163.8    |
| OVERTOPS @ STA. 17+84.00 -L- |           |

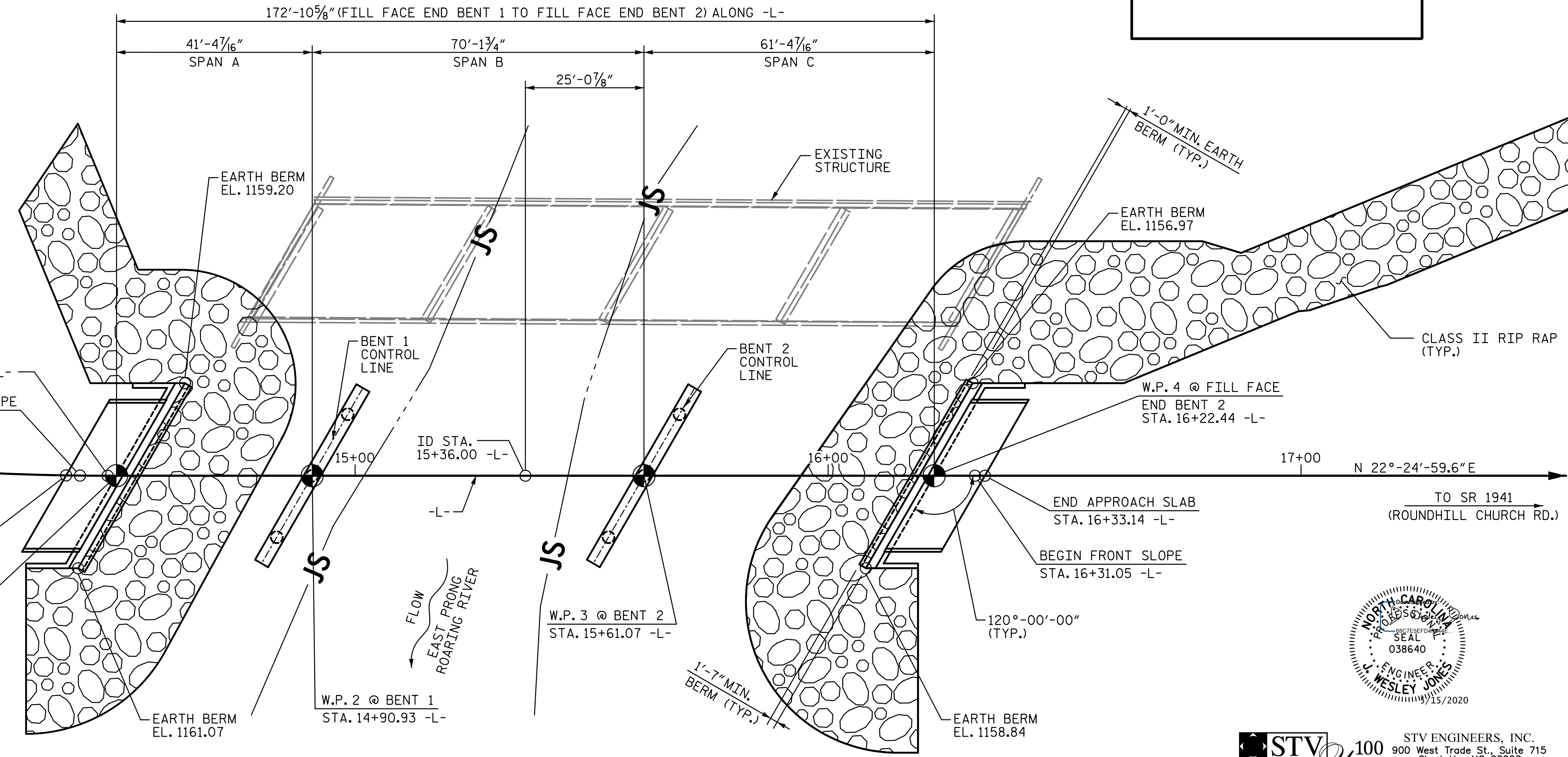
I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

### SECTION ALONG -L-

(SECTION AT BENTS TAKEN AT RIGHT ANGLES)

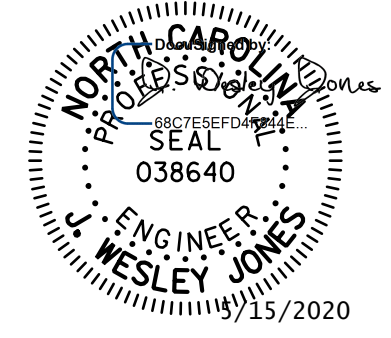
### HORIZONTAL CURVE DATA -L-

PI STA. = 12+64.84  
Δ = 40°-59'-58.4" (LT.)  
D = 10°-42'-34.2"  
L = 382.83'  
T = 200.03'  
R = 535.00'



### PLAN

(STEEL PILES NOT SHOWN FOR CLARITY)



**STV** 100 YEARS  
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

PROJECT NO. BR-0125

WILKES COUNTY

STATION: 15+36.00 -L-

SHEET 1 OF 2 REPLACES BRIDGE NO. 663

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

GENERAL DRAWING  
FOR BRIDGE ON SR 1002  
(TRAPHILL RD.) OVER  
EAST PRONG ROARING RIVER  
BETWEEN SR 1943 AND SR 1941

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

S-1  
TOTAL SHEETS 23

R:\Structures\ustation\Finals\401\_001\_BR-0125\_SMU\_GDL\_001\_950663.dgn  
3:11:52 PM  
5/4/2020  
Jones

DRAWN BY : LAH DATE : 09-19  
CHECKED BY : JWJ DATE : 02-20  
DESIGN ENGINEER OF RECORD : JWJ DATE : 04-20