

(-) 6.0784%    (-) 0.4661%

P.V.I. 30+02.00  
ELEV. 2627.41  
VC 526'

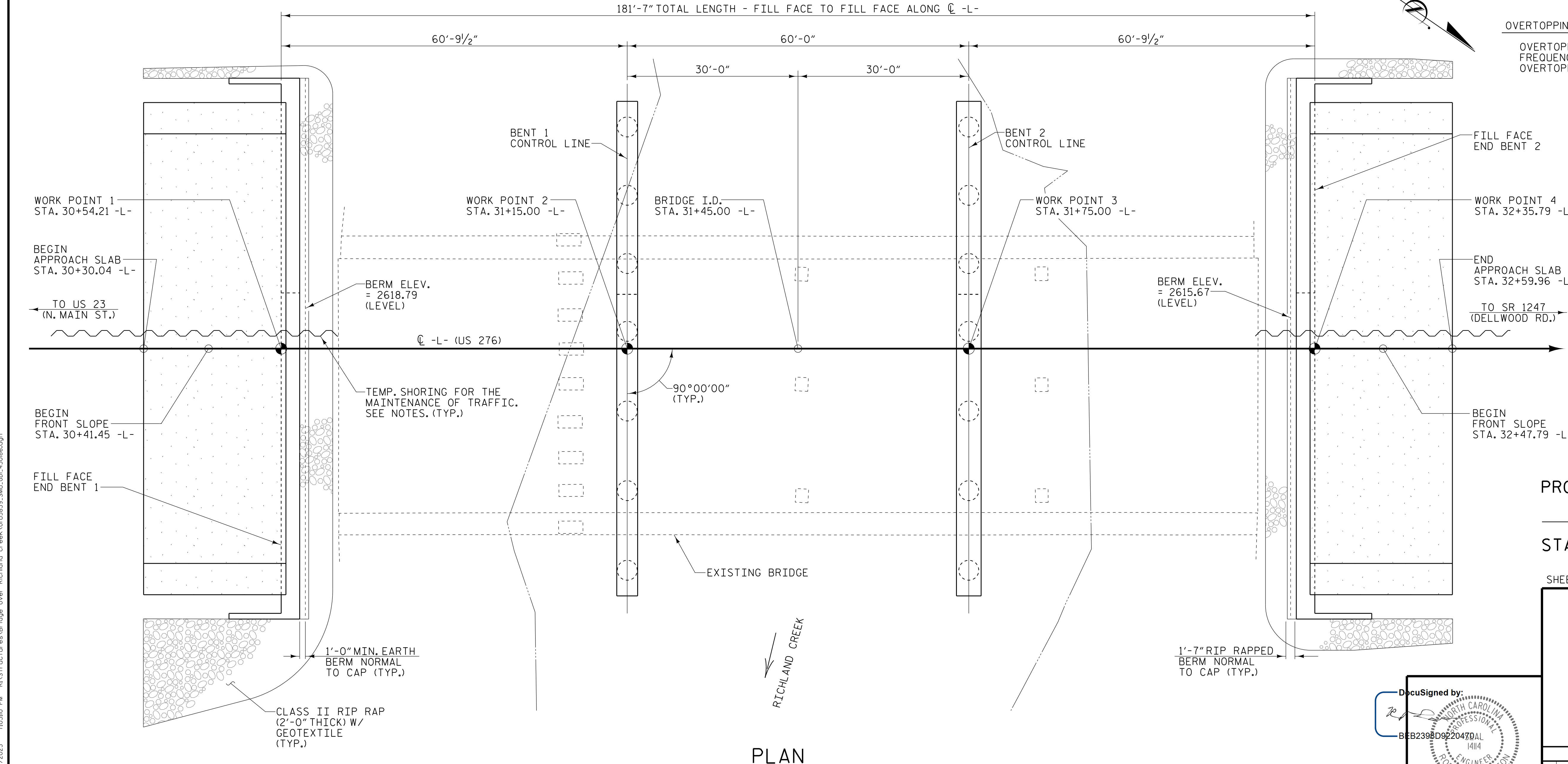
-VERTICAL CURVE DATA-  
-L-

**HYDRAULIC DATA:**

DESIGN DISCHARGE - 7300 CFS  
 FREQUENCY OF DESIGN DISCHARGE - 50 YEAR  
 DESIGN HIGH WATER ELEVATION - 2625.4  
 DRAINAGE AREA - 44.7 SQ. MI.  
 BASE DISCHARGE (Q 100) - 8600 CFS  
 BASE HIGH WATER ELEVATION - 2626.7

**OVERTOPPING FLOOD DATA:**

OVERTOPPING DISCHARGE - 8250 CFS  
 FREQUENCY OF OVERTOPPING FLOOD - < 100 YEAR  
 OVERTOPPING FLOOD ELEVATION - 2626.3



I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

PLANS PREPARED BY:

**NV5**

NV5 ENGINEERS & CONSULTANTS, INC.  
 3300 REGENCY PARKWAY, SUITE 100  
 CARY, NC 27518  
 P. 919.851.1912    www.NV5.com  
 NC License # F-1333

PROJECT NO. U-5839  
 HAYWOOD COUNTY  
 STATION: 31+45.00 -L- POT

SHEET 1 OF 3    REPLACES BRIDGE NO. 430186

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**GENERAL DRAWING**  
 FOR BRIDGE ON -L- US 276  
 (RUSS AVE.) OVER RICHLAND  
 CREEK BETWEEN US 23  
 (N. MAIN ST.) AND SR 1247  
 (DELLWOOD RD.)

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

TOTAL SHEETS: 49

DRAWN BY: W. B. ALLEN    DATE: 4/19  
 CHECKED BY: Z. H. BROWN    DATE: 4/19  
 DESIGN ENGINEER OF RECORD: R. C. LARSON    DATE: 2/23

DocuSigned by:  
  
 BEEB2398D9220470AL  
 14114  
 ENGINEER  
 ROBERT C. LARSON

(NOTE: PILES NOT SHOWN FOR CLARITY)

**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

DocuSigned by:  
  
 BEEB2398D9220470AL  
 14114  
 ENGINEER  
 ROBERT C. LARSON

5/19/2023

5/17/2023 7:03:10 PM RA\Structures\Bridges over Richland Creek\U05839\_SML\_G01\_430186.dgn