

**HYDRAULIC DATA**

DESIGN DISCHARGE = 1500 C.F.S.  
 FREQUENCY OF DESIGN FLOOD = 25 YRS.  
 DESIGN HIGH WATER ELEVATION = 181.2  
 DRAINAGE AREA = 8.18 SQ. MI.  
 BASE DISCHARGE (010Q) = 2100 C.F.S.  
 BASE HIGH WATER ELEVATION = 182.1

**OVERTOPPING FLOOD DATA**

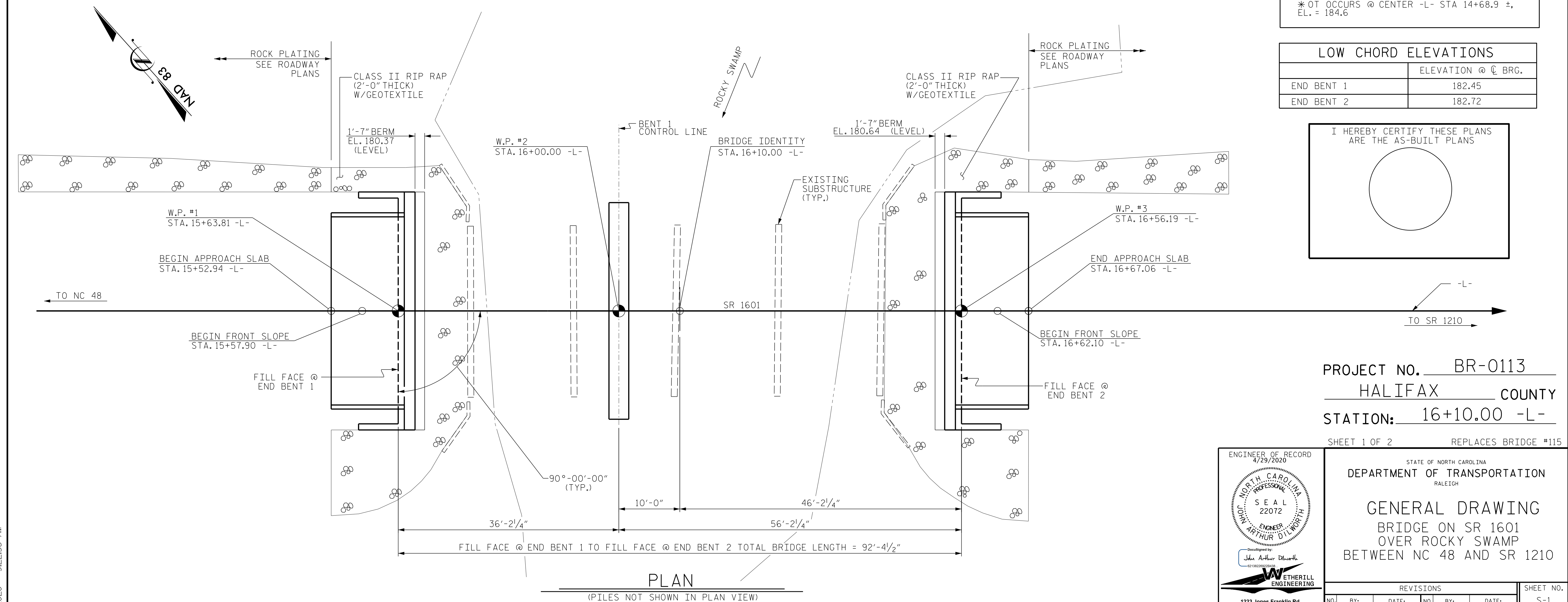
OVERTOPPING DISCHARGE = 4100± C.F.S.  
 FREQUENCY OF OVERTOPPING FLOOD = 500+ YRS.  
 OVERTOPPING FLOOD ELEVATION = 184.6 \*

\*OT OCCURS @ CENTER -L- STA 14+68.9 ±, EL. = 184.6

**LOW CHORD ELEVATIONS**

	ELEVATION @ C. BRG.
END BENT 1	182.45
END BENT 2	182.72

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS



PROJECT NO. BR-0113  
 HALIFAX COUNTY  
 STATION: 16+10.00 -L-  
 SHEET 1 OF 2 REPLACES BRIDGE #115

ENGINEER OF RECORD  
 4/29/2020  
  
 Arthur Dillworth  
 ENGINEER  
 1223 Jones Franklin Rd.  
 Raleigh, N.C. 27606  
 Bus: 919 851 8077  
 Fax: 919 851 8107  
 LICENSE NO. F-0377

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**GENERAL DRAWING**  
 BRIDGE ON SR 1601  
 OVER ROCKY SWAMP  
 BETWEEN NC 48 AND SR 1210

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

SHEET NO. S-1  
 TOTAL SHEETS 18

DRAWN BY: J. PENDERGRAFT DATE: 6-19  
 CHECKED BY: J. DILLWORTH DATE: 8-19

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

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