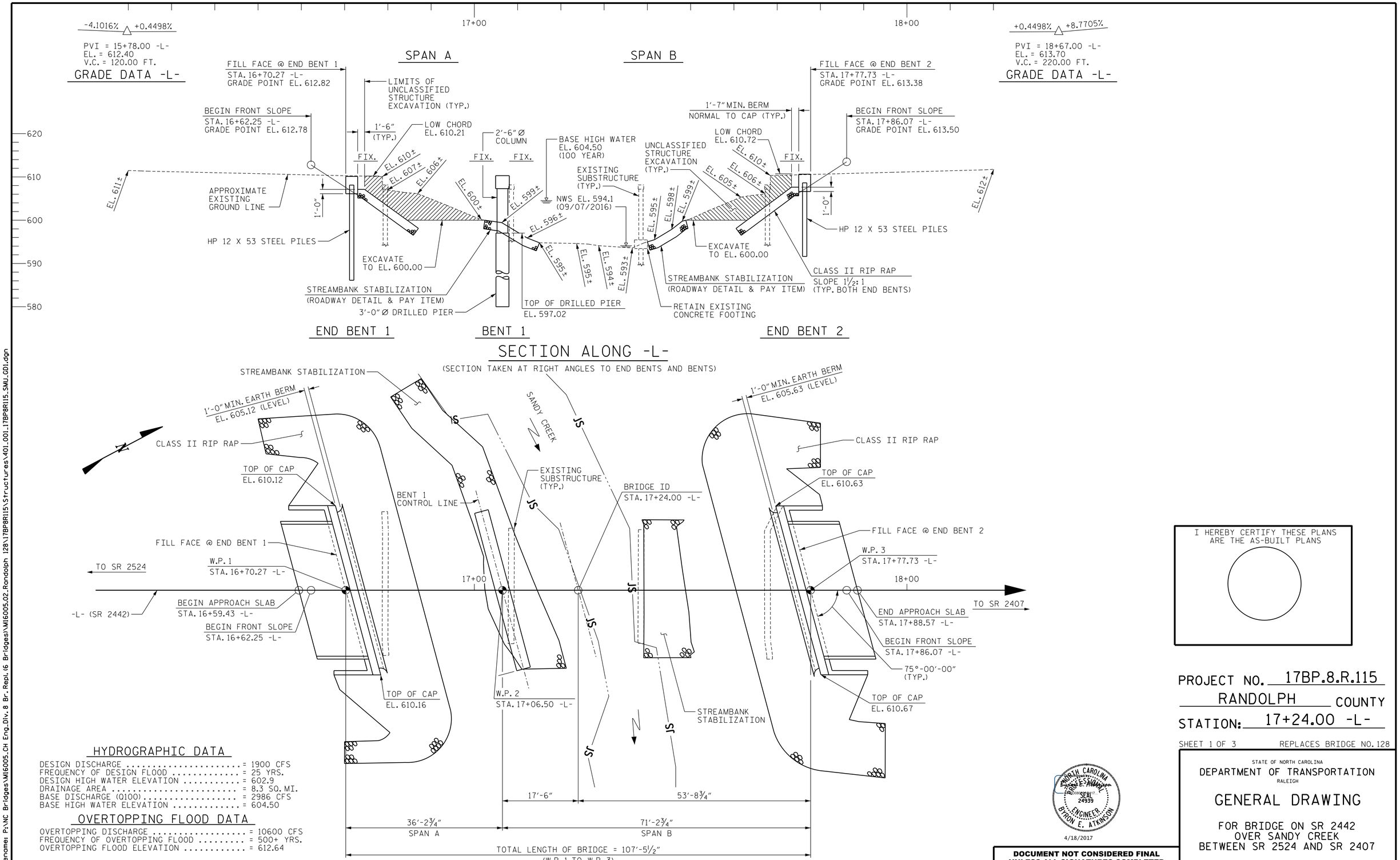

HYDROGRAPHIC DATA

DESIGN DISCHARGE ..... = 1900 CFS
FREQUENCY OF DESIGN FLOOD ..... = 25 YRS.
DESIGN HIGH WATER ELEVATION ..... = 602.9
DRAINAGE AREA ..... = 8.3 SQ. MI.
BASE DISCHARGE (Q100) ..... = 2986 CFS
BASE HIGH WATER ELEVATION ..... = 604.50

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE ..... = 10600 CFS
FREQUENCY OF OVERTOPPING FLOOD ..... = 500+ YRS.
OVERTOPPING FLOOD ELEVATION ..... = 612.64

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

PROJECT NO. 17BP.8.R.115
RANDOLPH COUNTY
STATION: 17+24.00 -L-

SHEET 1 OF 3 REPLACES BRIDGE NO. 128

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE ON SR 2442
OVER SANDY CREEK
BETWEEN SR 2524 AND SR 2407

NORTH CAROLINA PROFESSIONAL SEAL 24939 ENGINEER BYRON E. ATKINSON
4/18/2017

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

MI ENGINEERING
1011 SCHAUB DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER : P-0671

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

SHEET NO. S-1
TOTAL SHEETS 20

DRAWN BY : B.E. LANNING DATE : 12/16
CHECKED BY : B.E. ATKINSON DATE : 03/17
DESIGN ENGINEER OF RECORD : B.E. ATKINSON DATE : 03/17

4/18/2017
11:48:57 AM
User: blanning
Filename: P:\NC Bridges\MI6005_CH Eng_Div. 8 Br. Repl. 16 Bridges\MI6005.02_Randolph 128\17BP8R115\Structures\401_001_17BP8R115_SMU_GDI.dgn