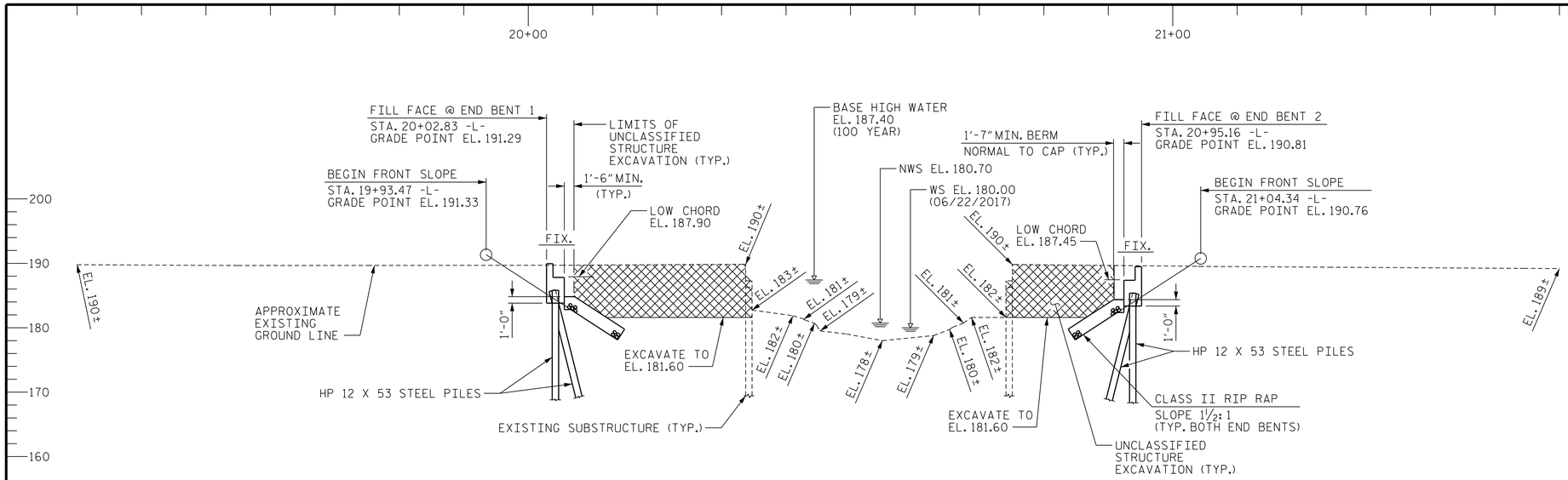


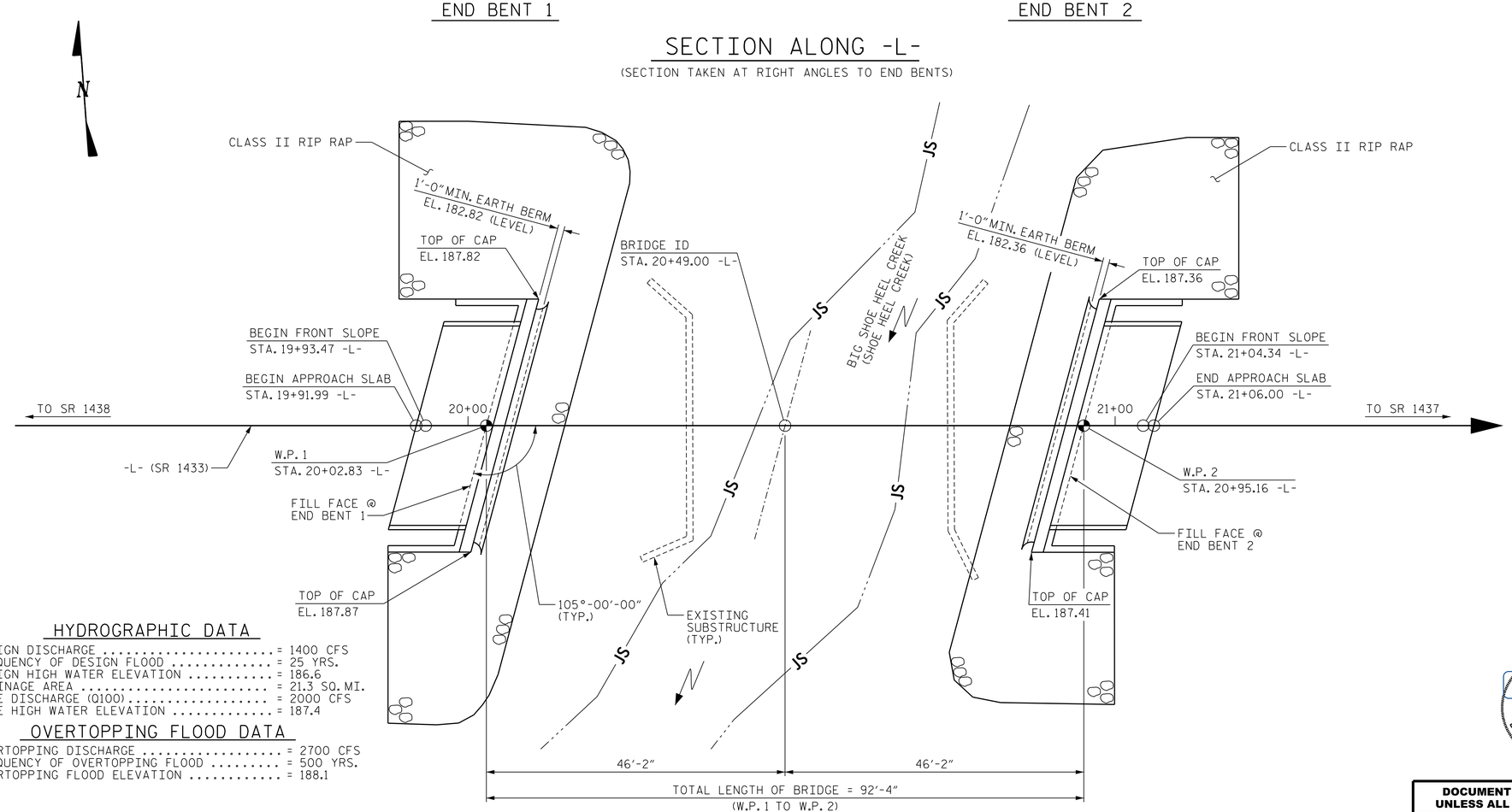
SECTION ALONG -L-

(SECTION TAKEN AT RIGHT ANGLES TO END BENTS)

-0.5138% -0.8493%

PVI = 21+85.00 -L-
EL. = 190.35
V.C. = 120.00 FT.

GRADE DATA -L-



PLAN

(PILES NOT SHOWN FOR CLARITY)

HYDROGRAPHIC DATA

DESIGN DISCHARGE ..... = 1400 CFS
FREQUENCY OF DESIGN FLOOD ..... = 25 YRS.
DESIGN HIGH WATER ELEVATION ..... = 186.6
DRAINAGE AREA ..... = 21.3 SQ. MI.
BASE DISCHARGE (Q100)..... = 2000 CFS
BASE HIGH WATER ELEVATION ..... = 187.4

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE ..... = 2700 CFS
FREQUENCY OF OVERTOPPING FLOOD ..... = 500 YRS.
OVERTOPPING FLOOD ELEVATION ..... = 188.1

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

PROJECT NO. 17BP.8.R.125
SCOTLAND COUNTY
STATION: 20+49.00 -L-

SHEET 1 OF 2 REPLACES BRIDGE NO. 27

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE ON SR 1433
OVER BIG SHOE HEEL CREEK
BETWEEN SR 1438 AND SR 1437

NORTH CAROLINA PROFESSIONAL SEAL 24939 ENGINEER BYRON E. ATKINSON
4/18/2018

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						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-1
1			3			TOTAL SHEETS
2			4			15

DRAWN BY : B.E. LANNING DATE : 02/18
CHECKED BY : B.E. ATKINSON DATE : 02/18
DESIGN ENGINEER OF RECORD : B.E. ATKINSON DATE : 02/18

4/18/2018
10:41:52 AM
User: blanning
Filename: P:\NC Bridges\MI6006_CH Eng_Div. 8 Br. Repl. 15 Bridges\MI6006.02_Scotland 27\17BP8R125\Structures\401.001.17BP8R125_SMU_GD1.dgn