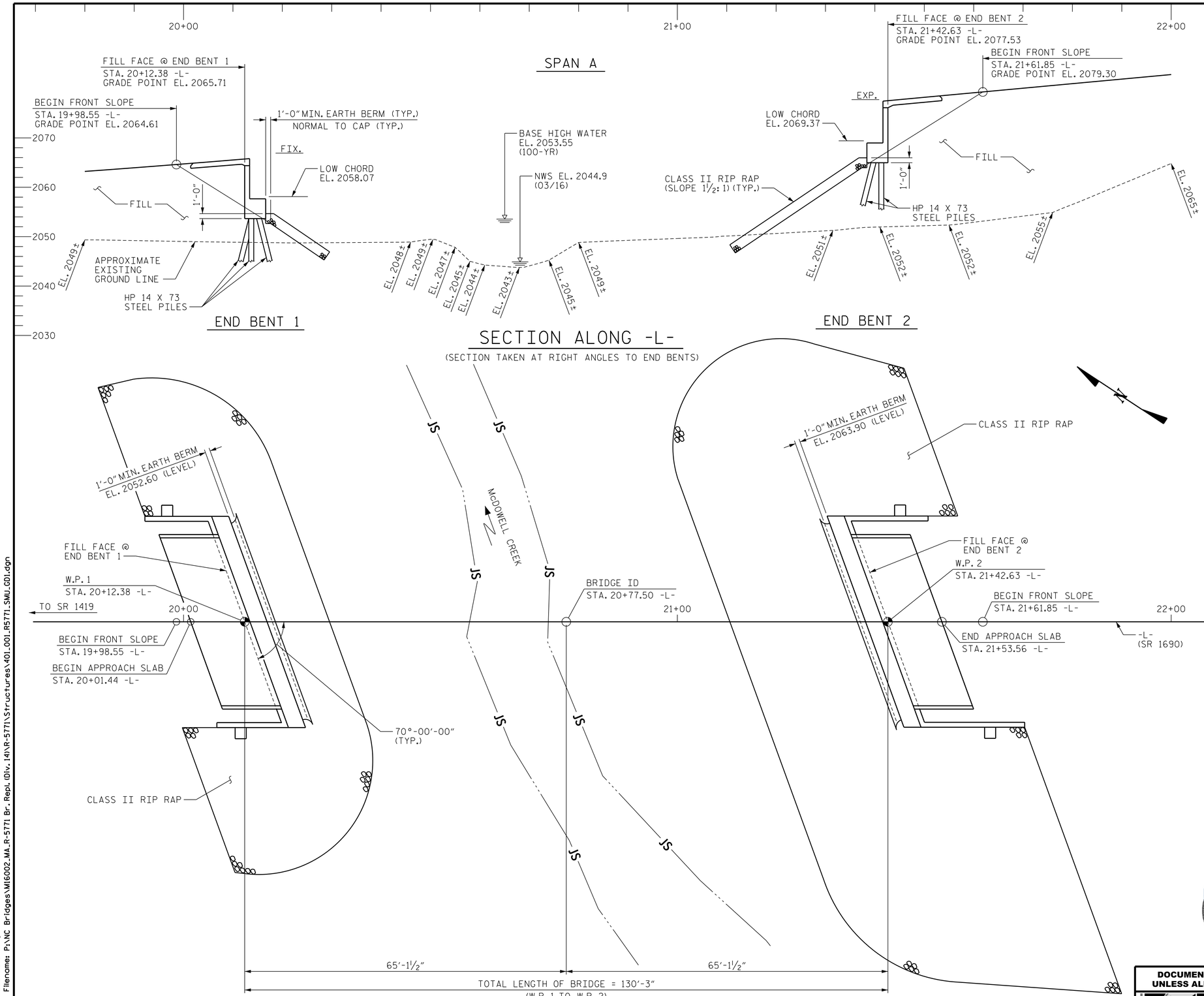
F.A. PROJ. NO. APD-1690(001)



-4.8718% +9.2237%

PVI = 17+90.00 -L-
EL. = 2045.00
V.C. = 522.00'

GRADE DATA -L-

HYDROGRAPHIC DATA

DESIGN DISCHARGE ..... = 1200 CFS
FREQUENCY OF DESIGN FLOOD ..... = 25 YRS.
DESIGN HIGH WATER ELEVATION ..... = 2052.6
DRAINAGE AREA ..... = 4.62 SQ. MI.
BASE DISCHARGE (Q100) ..... = 1700 CFS
BASE HIGH WATER ELEVATION ..... = 2053.55

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE ..... = 2000 CFS
FREQUENCY OF OVERTOPPING FLOOD ..... = 100+ YRS.
OVERTOPPING FLOOD ELEVATION ..... = 2054.0

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

PROJECT NO. R-5771
HENDERSON COUNTY
STATION: 20+77.50 -L-

SHEET 1 OF 3 REPLACES BRIDGE NO. 107

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE ON SR 1690
OVER McDOWELL CREEK
BETWEEN SR 1419 AND NC 280

NORTH CAROLINA PROFESSIONAL SEAL 027799 ENGINEER ALLYSON K. ORR
3/27/2017

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							SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:		S-1
1			3				TOTAL SHEETS
2			4				29

DRAWN BY :	B.E. LANNING	DATE :	02/17
CHECKED BY :	A.K. ORR	DATE :	03/17
DESIGN ENGINEER OF RECORD :	A.K. ORR	DATE :	03/17

3/27/2017
2:13:45 PM
User: blanning
Filename: P:\NC Bridges\MI6002_MA_R-5771 Br. Repl. (Div. 14)\R-5771\Structures\401_001_R5771_SMU_G01.dgn