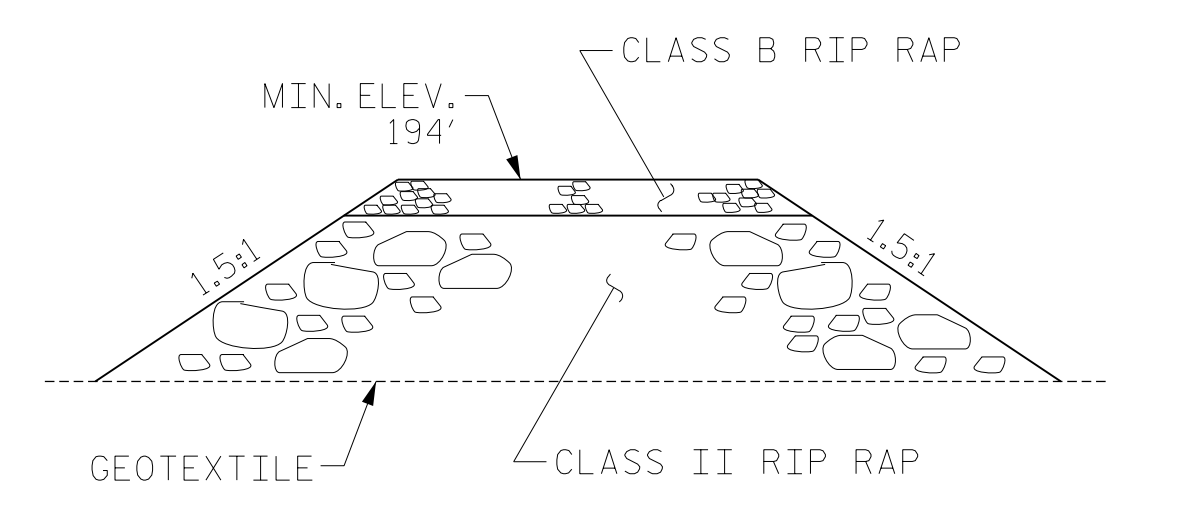


18+00 19+00 20+00 21+00 22+00

GRADE DATA -L-
 (-)6.500% Δ (+)0.500%
 P.I. STA. = 13+20.00
 ELEV. = 218.45'
 VC = 385'

GRADE DATA -L-
 (-)0.500% Δ (+)5.955%
 P.I. STA. = 24+60.00
 ELEV. = 212.75'
 VC = 415'



TEMPORARY CAUSEWAY DETAIL

HYDRAULIC DATA

DESIGN DISCHARGE	= 5,370 CFS
FREQUENCY OF DESIGN FLOOD	= 50 YR.
DESIGN HIGH WATER ELEVATION	= 206.1
DRAINAGE AREA	= 21.4 SQ.MI.
BASE DISCHARGE (Q100)	= 5,970 CFS
BASE HIGH WATER ELEVATION	= 206.5

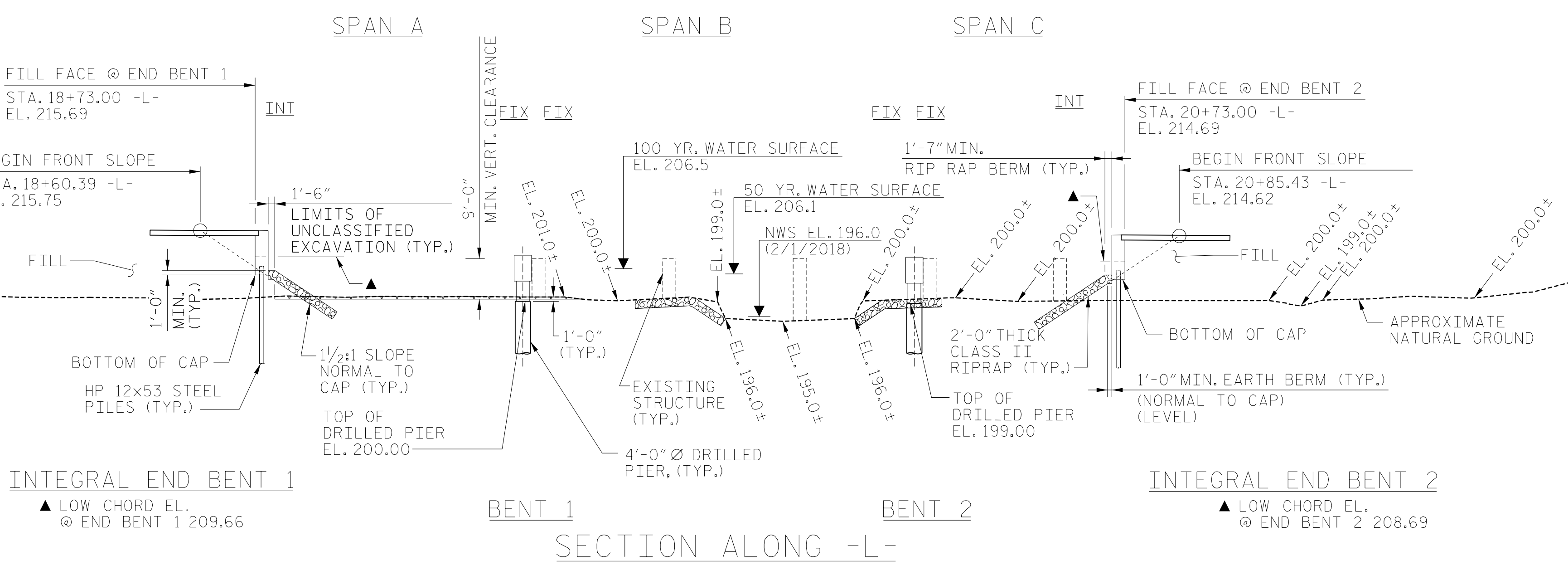
OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE	= 30,400 CFS
FREQUENCY OF OVERTOPPING FLOOD	= +500 YR.
OVERTOPPING FLOOD ELEVATION	= 217.0

KEY



I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

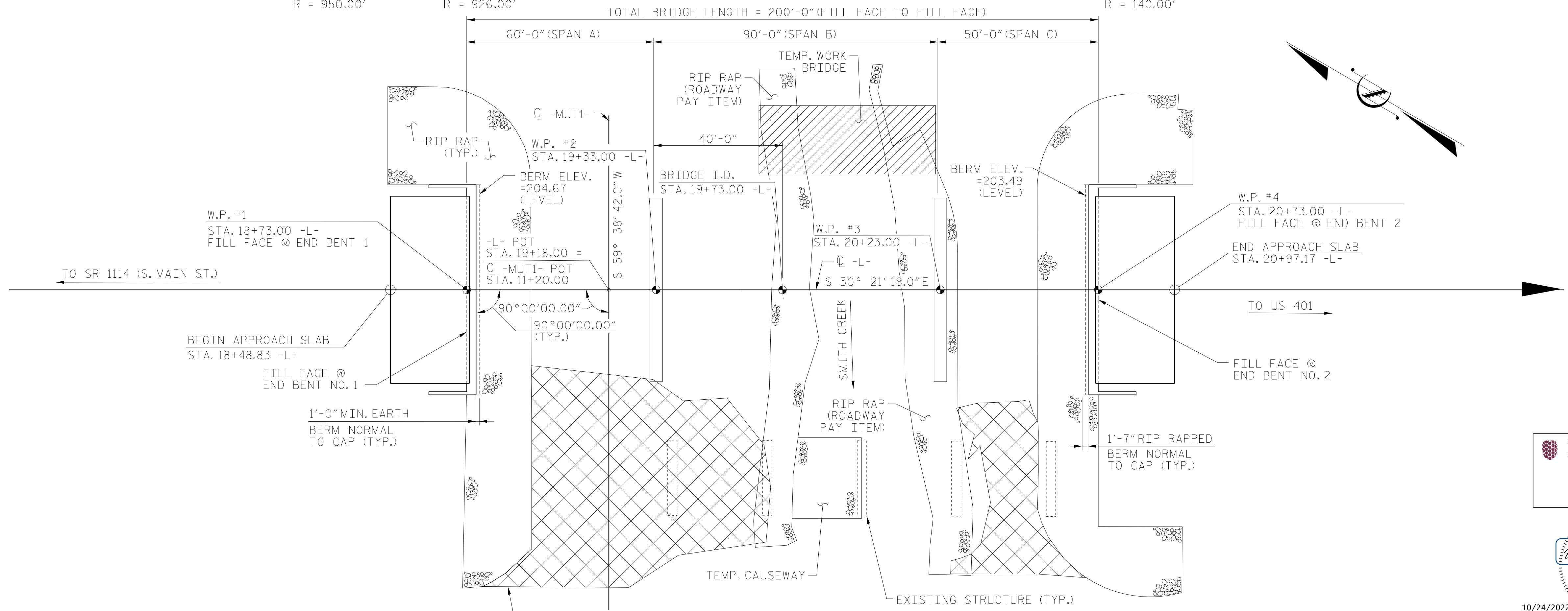


SECTION ALONG -L-

CURVE DATA -L-
 P.I. STA. = 13+71.03 P.I. STA. = 24+07.43
 Δ = 19°03'10.3"(LT.) Δ = 18°28'01.3"(RT.)
 D = 6°01'52.1" D = 6°11'14.8"
 L = 315.91' L = 298.46'
 T = 159.43' T = 150.54'
 R = 950.00' R = 926.00'

CURVE DATA -MUT1-
 P.I. STA. = 9+71.28
 Δ = 22°25'55.1"(RT.)
 D = 40°55'32.0"
 L = 54.81'
 T = 27.76'
 R = 140.00'

TOTAL BRIDGE LENGTH = 200'-0" (FILL FACE TO FILL FACE)



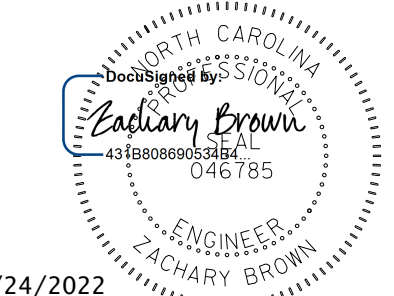
PLAN

(PILES NOT SHOWN FOR CLARITY)

DRAWN BY: E. JONES DATE: JUNE 21
 CHECKED BY: P. O'NEILL DATE: JUNE 21
 DESIGN ENGINEER OF RECORD: Z. BROWN DATE: JUNE 21

PROJECT NO. B-5318
 WAKE COUNTY
 STATION: 19+73.00 -L-
 SHEET 1 OF 3 REPLACES BRIDGE NO. 910126

Dewberry
 2610 WYCLIFF ROAD
 SUITE 410
 RALEIGH, NC 27607
 PHONE: 919.881.9939
 NC COA No. F-0929



10/24/2022

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 GENERAL DRAWING
 FOR BRIDGE ON SR 2044
 OVER SMITH CREEK
 BETWEEN SR 1114 AND US 401

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			41
2			4			

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED