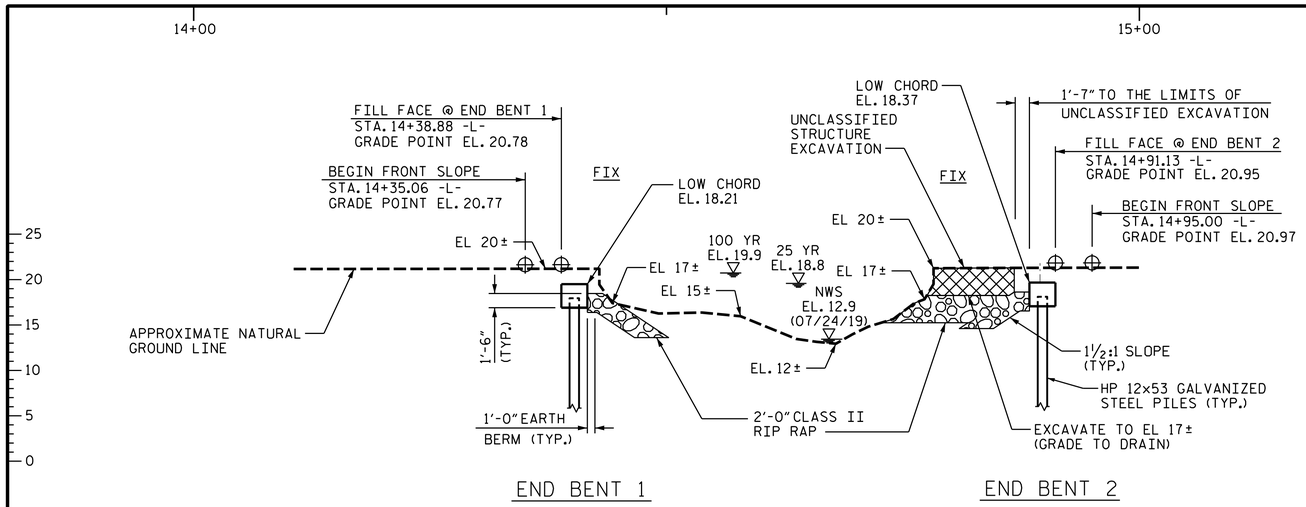
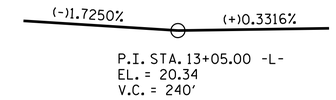
DocuSign Envelope ID: 980ECE15-E75D-4CEB-A9E0-2F70BBD1F7F1



SECTION ALONG -L-



GRADE DATA -L-

HYDRAULIC DATA

DESIGN DISCHARGE	= 410 CFS
FREQUENCY OF DESIGN FLOOD	= 25 YR.
DESIGN HIGH WATER ELEVATION	= 18.8 FT.
DRAINAGE AREA	= 2.3 SQ. MI.
BASE DISCHARGE (Q_{100}) ✱✱	= 728 CFS
BASE HIGH WATER ELEVATION	= 19.9 FT.

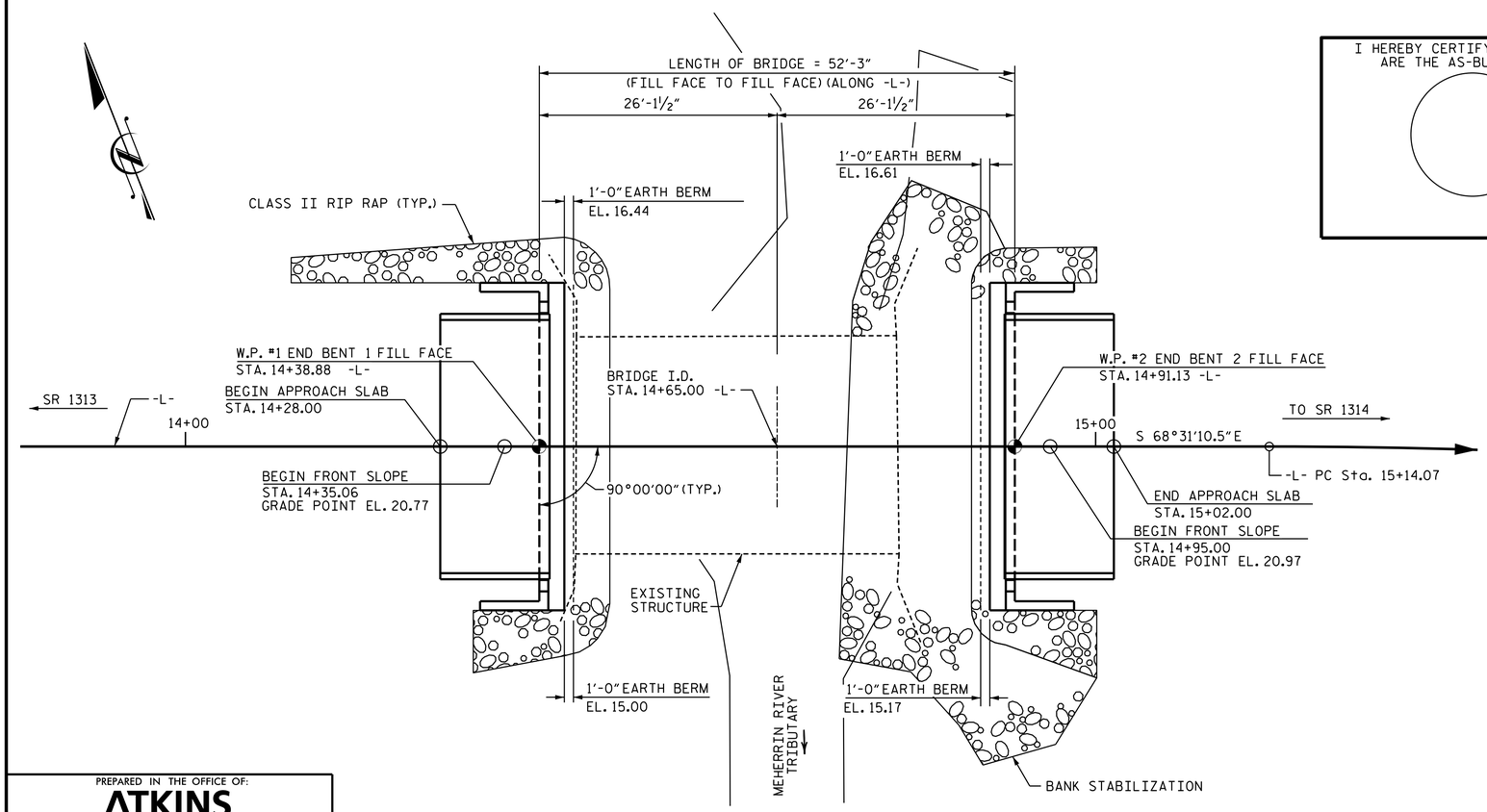
OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE	= 994 CFS
FREQUENCY OF OVERTOPPING FLOOD	= 500+ YR.
OVERTOPPING FLOOD ELEVATION	= 21.1 ✱ FT.
OVERTOPPING DISCHARGE	
FREQUENCY OF OVERTOPPING FLOOD	
OVERTOPPING FLOOD ELEVATION	

✱ BRIDGE OVERTOPS ON HIGH SIDE OF ROADWAY SAG AT STA. 13+86.3 -L-

✱✱ FEMA

I HEREBY CERTIFY THESE PLANS
ARE THE AS-BUILT PLANS



PLAN

PILES NOT SHOWN FOR CLARITY

PROJECT NO. 17BP.1.R.98
HERTFORD COUNTY
STATION: 14+65.00 -L-

SHEET 1 OF 2 REPLACES BRIDGE NO. 097

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
FOR BRIDGE ON SR 1311
(BOONES BRIDGE ROAD) OVER
MEHERRIN RIVER TRIBUTARY
BETWEEN SR 1313 AND SR 1314

NORTH CAROLINA PROFESSIONAL SEAL 036548 ENGINEER DANIEL R. BURGUNDY
DocuSigned by: David R. Burgundy
11/8/2021

PREPARED IN THE OFFICE OF:
ATKINS
1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBEES #F-0326

DRAWN BY :	CAB	DATE :	7/21
CHECKED BY :	FAQ	DATE :	7/21
DESIGN ENGINEER OF RECORD:	DRB	DATE :	7/21

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-1
1			3			TOTAL SHEETS
2			4			13