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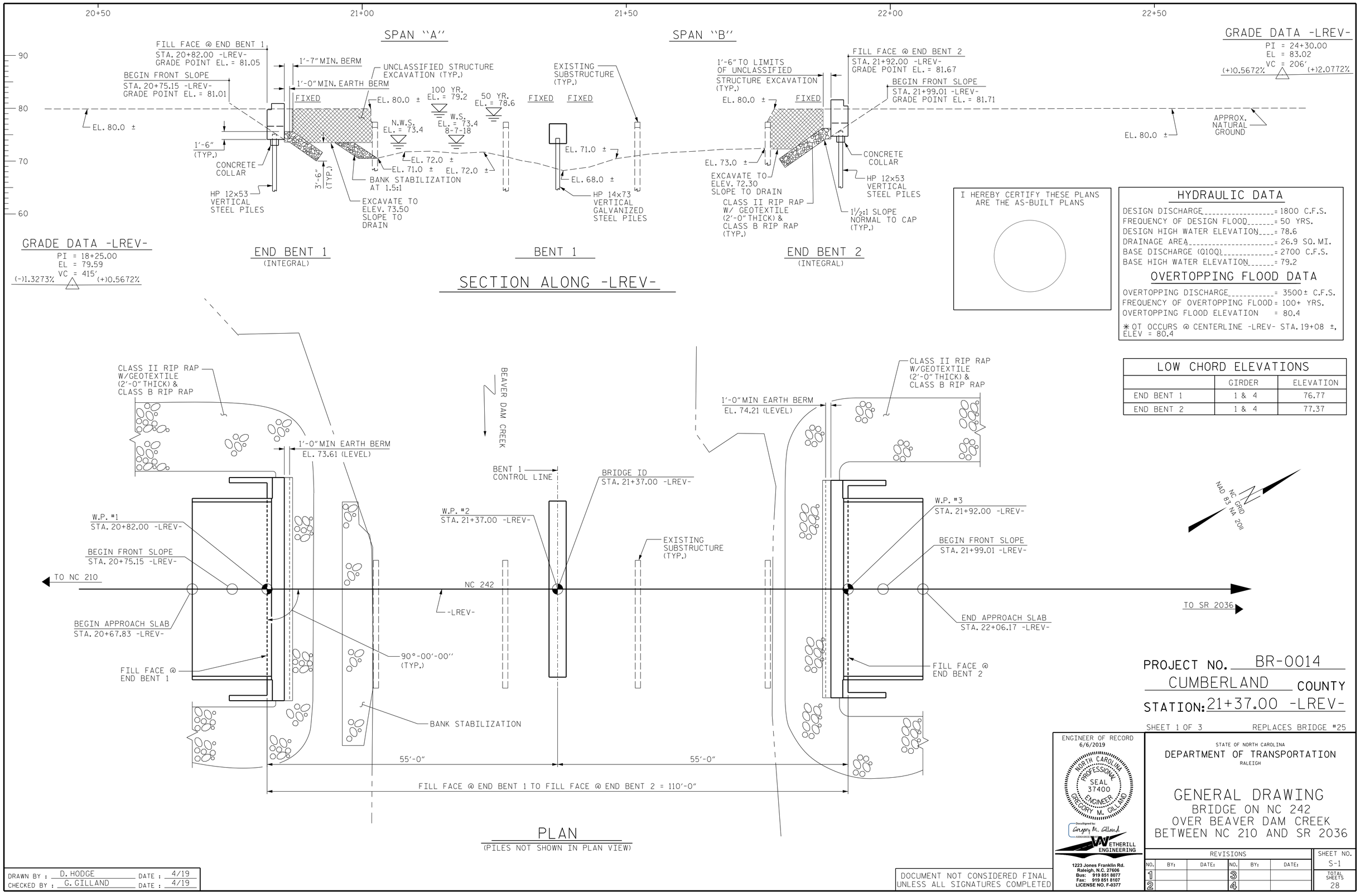

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

HYDRAULIC DATA

DESIGN DISCHARGE	= 1800 C.F.S.
FREQUENCY OF DESIGN FLOOD	= 50 YRS.
DESIGN HIGH WATER ELEVATION	= 78.6
DRAINAGE AREA	= 26.9 SQ. MI.
BASE DISCHARGE (Q100)	= 2700 C.F.S.
BASE HIGH WATER ELEVATION	= 79.2

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE	= 3500± C.F.S.
FREQUENCY OF OVERTOPPING FLOOD	= 100+ YRS.
OVERTOPPING FLOOD ELEVATION	= 80.4

* OT OCCURS @ CENTERLINE -LREV- STA. 19+08 ±, ELEV = 80.4

LOW CHORD ELEVATIONS

	GIRDER	ELEVATION
END BENT 1	1 & 4	76.77
END BENT 2	1 & 4	77.37

DRAWN BY : D. HODGE DATE : 4/19
CHECKED BY : G. GILLAND DATE : 4/19

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ENGINEER OF RECORD
6/6/2019
NORTH CAROLINA PROFESSIONAL SEAL 37400 ENGINEER GREGORY M. GILLAND
DocuSigned by: Gregory M. Gilland
A39EA8053E...

ETHERILL ENGINEERING
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
Bus: 919 851 8077
Fax: 919 851 8107
LICENSE NO. F-0377

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
BRIDGE ON NC 242
OVER BEAVER DAM CREEK
BETWEEN NC 210 AND SR 2036

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-1
1			3			TOTAL SHEETS
2			4			28

PROJECT NO. BR-0014
CUMBERLAND COUNTY
STATION: 21+37.00 -LREV-

SHEET 1 OF 3 REPLACES BRIDGE #25

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