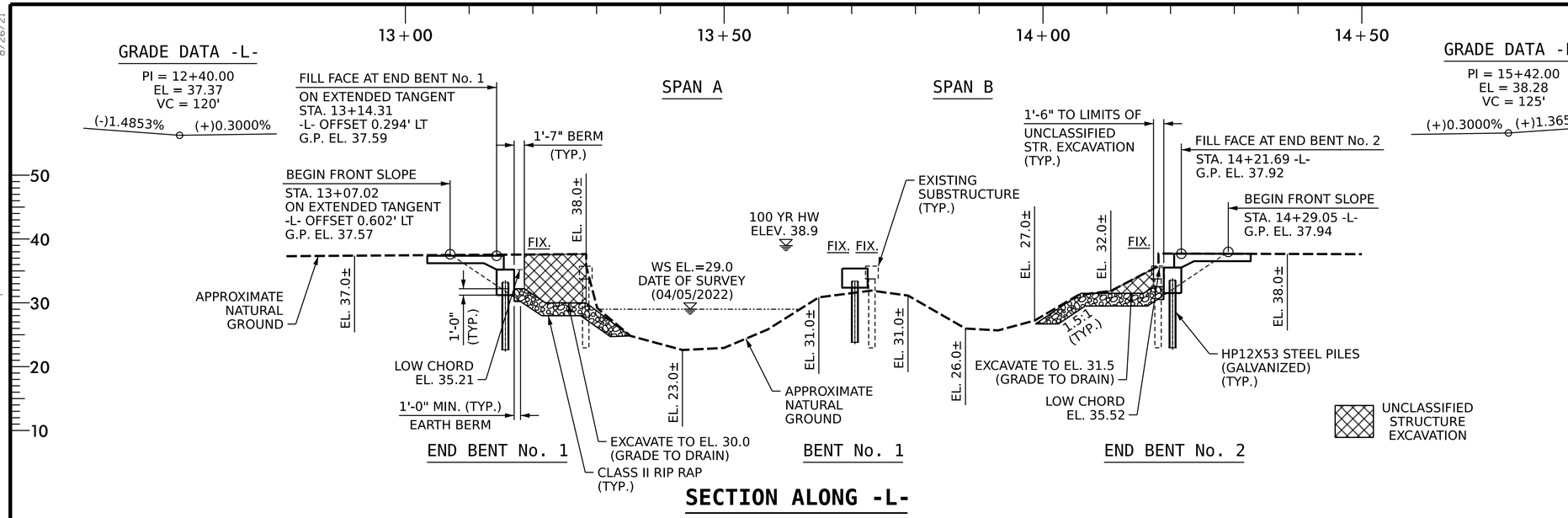


SECTION ALONG -L-

I HEREBY CERTIFY THESE PLANS
ARE THE AS-BUILT PLANS

HYDRAULIC DATA

DESIGN DISCHARGE	= 2800 C.F.S.
FREQUENCY OF DESIGN FLOOD	= 25 YRS.
DESIGN HIGH WATER ELEVATION	= 37.4 FT
DRAINAGE AREA	= 54.0 SQ. MI.
BASIC DISCHARGE (Q100)	= 4476 C.F.S.
BASIC HIGH WATER ELEVATION	= 38.85 FT

OVERTOPPING FLOOD DATA

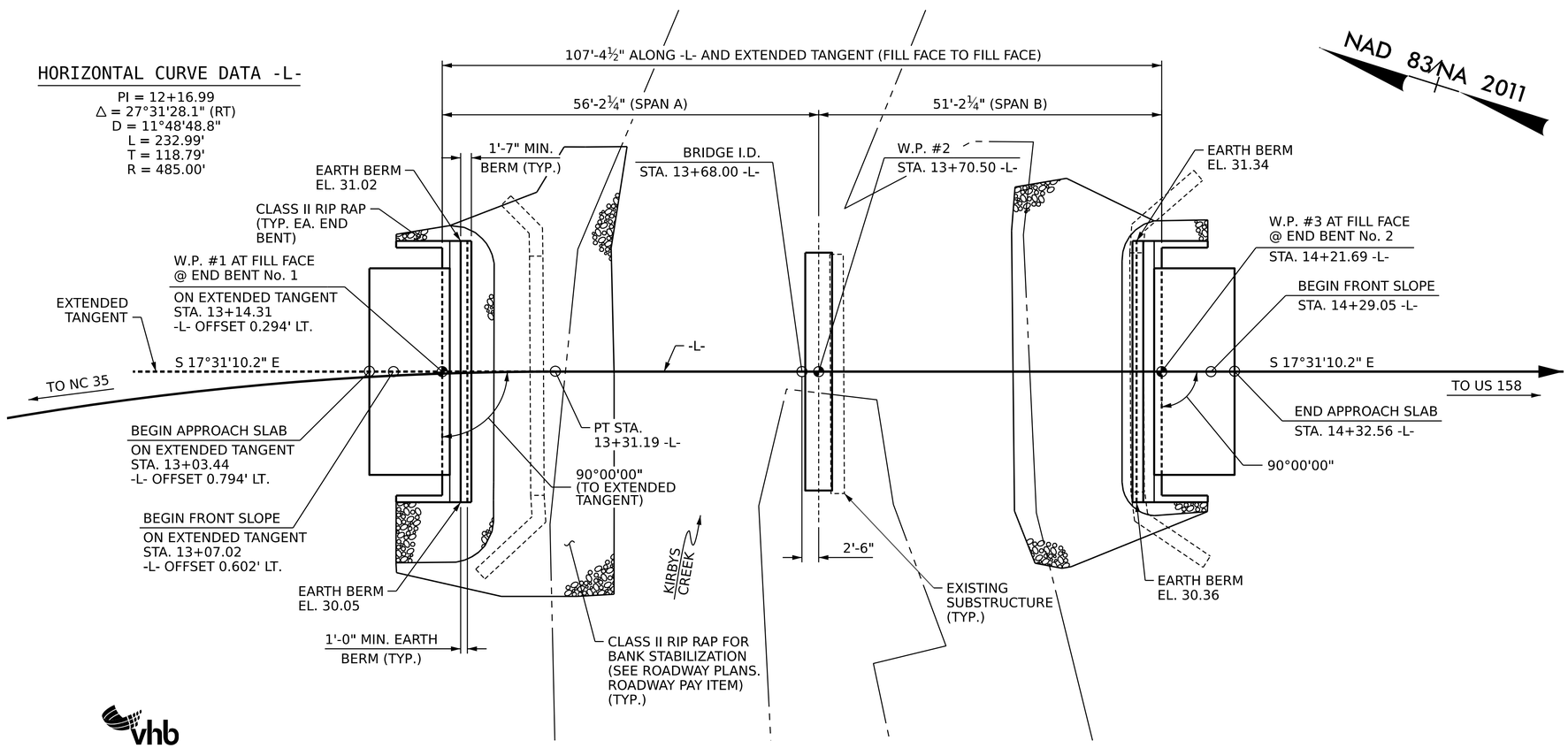
OVERTOPPING DISCHARGE	= 2750 C.F.S.
FREQUENCY OF OVERRTOPPING FLOOD	<25 YRS.
OVERTOPPING FLOOD ELEVATION	= 37.2 FT*

** 425' LINE AHEAD OF END PROJECT*

WS EL. Taken @ River Station 45472

HORIZONTAL CURVE DATA -L-

PI = 12+16.99
Δ = 27°31'28.1" (RT)
D = 11°48'48.8"
L = 232.99'
T = 118.79'
R = 485.00'



PLAN

(STEEL PILES NOT SHOWN FOR CLARITY)

PROJECT NO. BP1-R002
NORTHAMPTON COUNTY
STATION: 13+68.00 -L-

SHEET 1 OF 2 REPLACES BRIDGE NO. 650045

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE OVER
KIRBY'S CREEK ON
DELOATCH MILL ROAD
(SR 1358) BETWEEN
NC 35 AND US 158

NORTH CAROLINA PROFESSIONAL SEAL 048992 ENGINEER ELIZABETH C. PHELPS

DocuSigned by: Elizabeth Phelps A304598A0627455... 8/10/2023

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					19

vhb
VHB Engineering NC, P.C. (C-3705)
940 Main Campus Drive, Suite 500
Raleigh, NC 27606

DRAWN BY : E.C. PHELPS DATE : 08/2023
CHECKED BY : K.F. SMIACH DATE : 08/2023
DESIGN ENGINEER OF RECORD: E.C. PHELPS DATE : 08/2023

8/26/21

8/3/2023
\\vhb.com\gbl\proj\Raleigh\38973.02 NCDOT_Div1_Bridge 45\NCDOT\Structures\drawings\BP1-R002_SMU_GD01.dgn
ephelps