F.A. PROJECT NO. 0087051

16+00 +50 17+00 +50 18+00

(+)0.7680% (+)1.4840%

PVI = 17+50.00 -Y-
EL. = 23.70
VC = 200.00

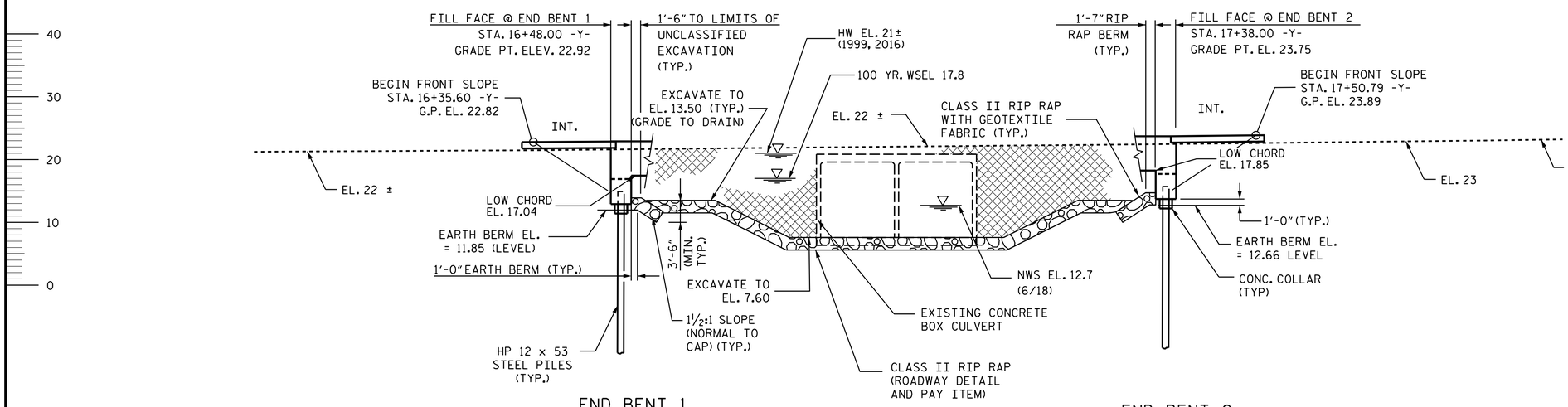
-Y- GRADE DATA

BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 1620	CFS
FREQUENCY OF DESIGN FLOOD	= 50	YRS
DESIGN HW ELEVATION	= 16.8	FT
DRAINAGE AREA	= 15.9	SQ. MI.
BASE DISCHARGE (Q_{100})	= 2104	CFS
BASE HW ELEVATION	= 17.8	FT
OVERTOPPING FLOOD DATA		
OVERTOPPING DISCHARGE	= 4000	CFS
FREQUENCY OF OVERTOPPING FLOOD	= >500	YRS
OVERTOPPING FLOOD ELEVATION	= 22.7 *	FT

* OVERTOPPING @ STA. 14+58.05 -Y- LT

SPAN A



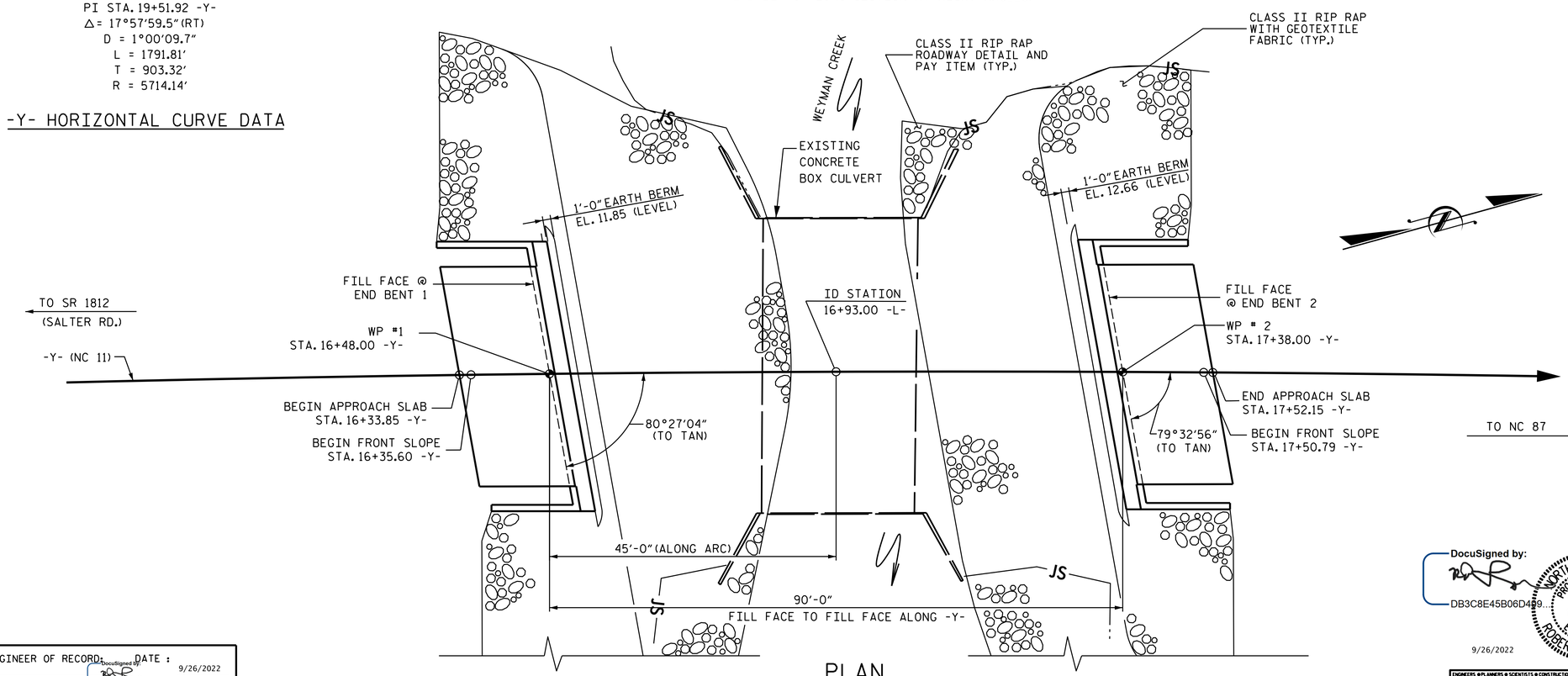
END BENT 1 END BENT 2

SECTION ALONG -Y-

(END BENTS ALONG SECTION AT RIGHT ANGLES)

PI STA. 19+51.92 -Y-
△ = 17°57'59.5" (RT)
D = 1°00'09.7"
L = 1791.81'
T = 903.32'
R = 5714.14'

-Y- HORIZONTAL CURVE DATA



PLAN

(PILES NOT SHOWN IN PLAN VIEW)

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

PROJECT NO. R-2561CA

COLUMBUS COUNTY

STATION: 16+93.00 -Y-

SHEET 1 OF 3 REPLACES BRIDGE NO. 230374

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE ON NC II
(GENERAL HOWE ROAD)
OVER WEYMAN CREEK BETWEEN
SR 1812 (SALTER RD.) AND NC 87

DocuSigned by:
DB3C8E45B06D499...

NORTH CAROLINA PROFESSIONAL SEAL 14114 ENGINEER ROBERT C. LARSON

9/26/2022

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-1
1			3			TOTAL SHEETS
2			4			24

DESIGN ENGINEER OF RECORD: DocuSigned by: DB3C8E45B06D499... DATE : 9/26/2022

DRAWN BY : R.J. FLORY DATE : 04/07/20

CHECKED BY : R.C. LARSON DATE : 04/08/20

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ENGINEERS ◆ PLANNERS ◆ SCIENTISTS ◆ CONSTRUCTION MANAGERS LICENSE NUMBER: C-0764
KCI Associates of North Carolina, P.A.
4505 Falls of Neuse Road, Suite 400 Raleigh, NC 27609-6270 Phone (919) 783-9214

$FILE$ $DATE$ $TIME$ $USER$ $PENTBLS$ $PLTDRVS$
KCI PROJECT NO. 241704391.04