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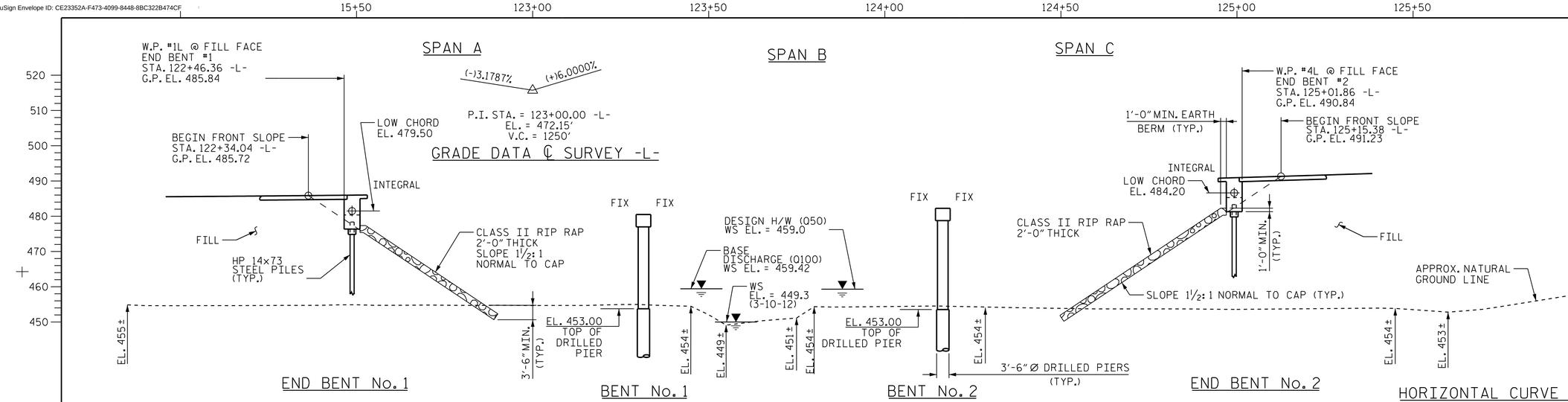


SECTION ALONG GRADE LINE -WBL-

SECTIONS @ BENTS AND END BENTS ARE @ RIGHT ANGLES

HYDRAULIC DESIGN DATA

DESIGN DISCHARGE	2700 CFS.
FREQUENCY	50 YR.
DESIGN HIGH WATER EL.	459.0
DRAINAGE AREA	3.07 SQ. MI.
BASE DISCHARGE (Q100)	3000 CFS.
BASE HIGH WATER EL.	459.42

OVERTOPPING FLOOD DATA

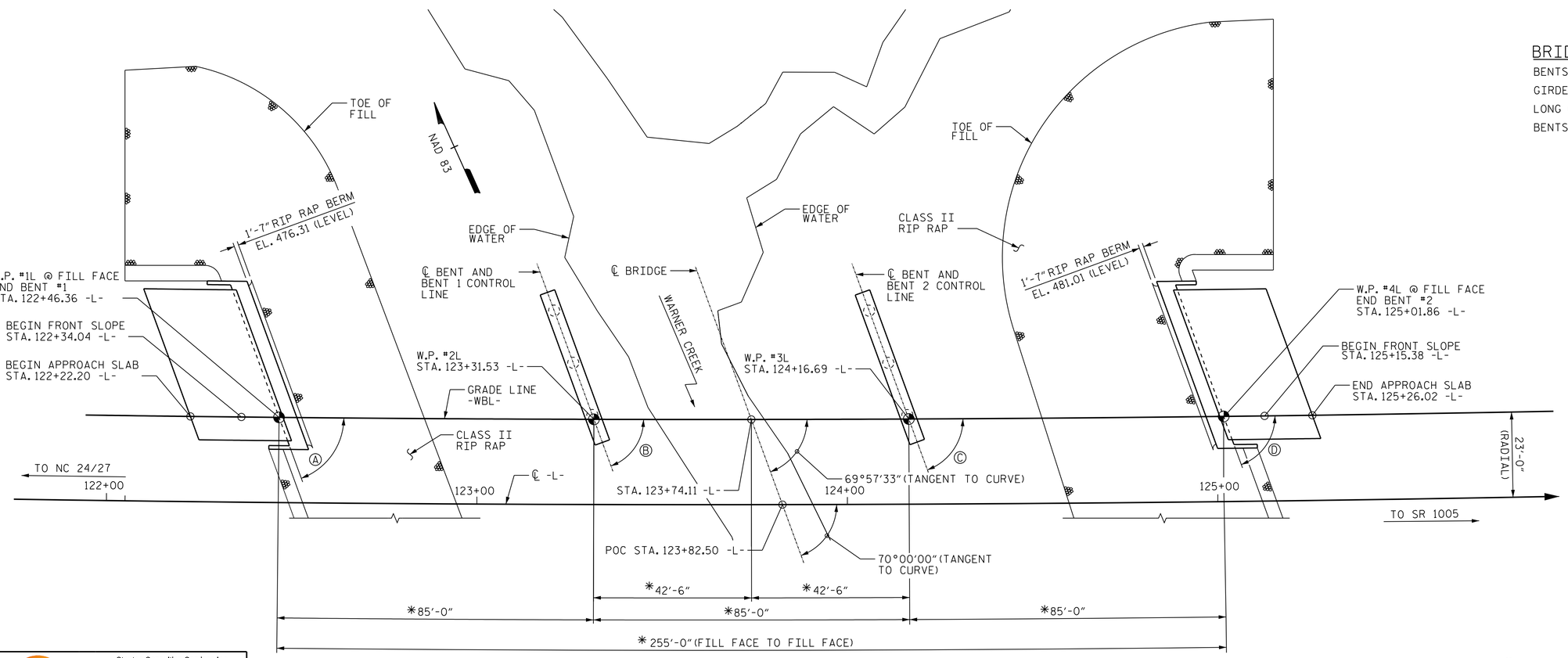
OVERTOPPING DISCHARGE	7000+ CFS.
FREQUENCY	500+ YR.
OVERTOPPING EL.	485.1
STATION	121+08 -L- ± LT.

HORIZONTAL CURVE DATA -L-

PI = 121+77.84
△ = 14° 09' 16.6" (LT.)
D = 0° 29' 15.4"
L = 2,902.77'
T = 1,458.81'
R = 11,750.00'

BRIDGE LAYOUT NOTES:

BENTS AND END BENTS ARE PARALLEL.
GIRDERS ARE PARALLEL TO THE LONG CHORD.
LONG CHORD TO BENT ANGLE IS 70°00'00".
BENTS ARE NOT PARALLEL TO THE ℄ BRIDGE.



Ⓐ 69°22'37" TANGENT TO CURVE
Ⓑ 69°47'32" TANGENT TO CURVE
Ⓒ 70°12'28" TANGENT TO CURVE
Ⓓ 70°37'23" TANGENT TO CURVE

PLAN ALONG WBL

PILES NOT SHOWN IN PLAN VIEW

*DIMENSION ALONG GRADE LINE -WBL-

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

PROJECT NO. R-0623
MONTGOMERY COUNTY
STATION: 123+82.50 -L-

SHEET 1 OF 4 BRIDGE NO. 264

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE ON NC 24/27 BYPASS WBL
OVER WARNER CREEK
BETWEEN NC 24/27 AND SR 1005

(WBL)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-1
1			3			TOTAL SHEETS
2			4			82

STR. #1

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License No. F-0672

DRAWN BY : J. L. HENNEKES DATE : 02-24-14
CHECKED BY : J. T. KELVINGTON DATE : 03-04-14
DESIGN ENGINEER OF RECORD: J. T. KELVINGTON DATE : 03-11-14

NORTH CAROLINA PROFESSIONAL SEAL 13406 ENGINEER JOSEPH T. KELVINGTON
DocuSigned by: Joseph T. Kelvington 847C9D3780774AF... 8/18/2014

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