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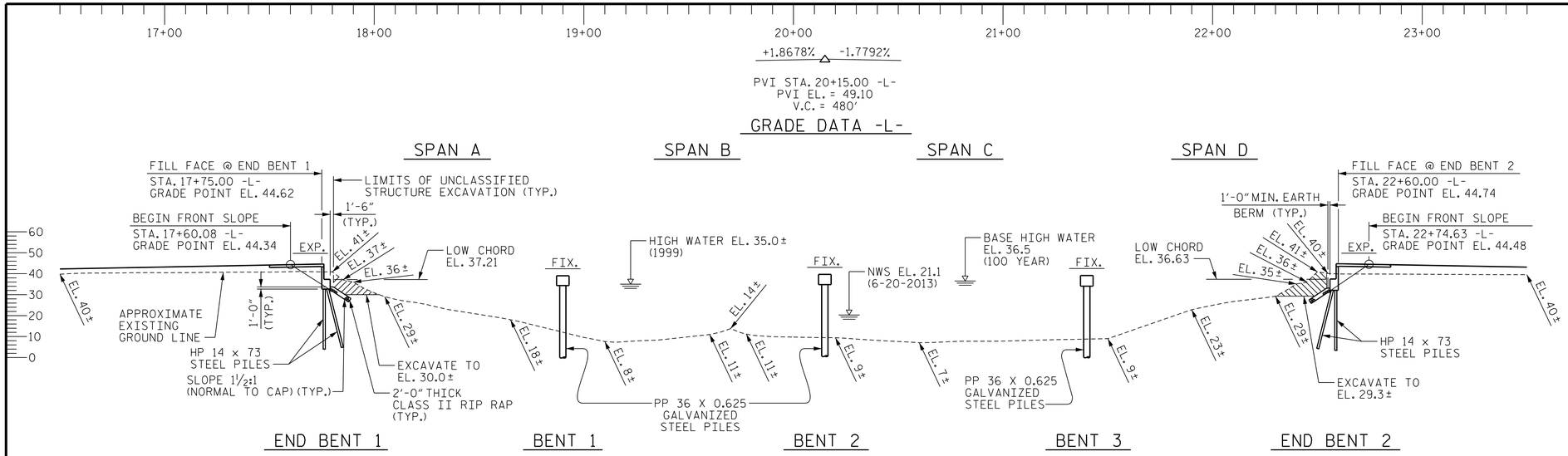


SECTION ALONG ℄ -L-

(SECTION TAKEN AT RIGHT ANGLES TO END BENTS AND BENTS)

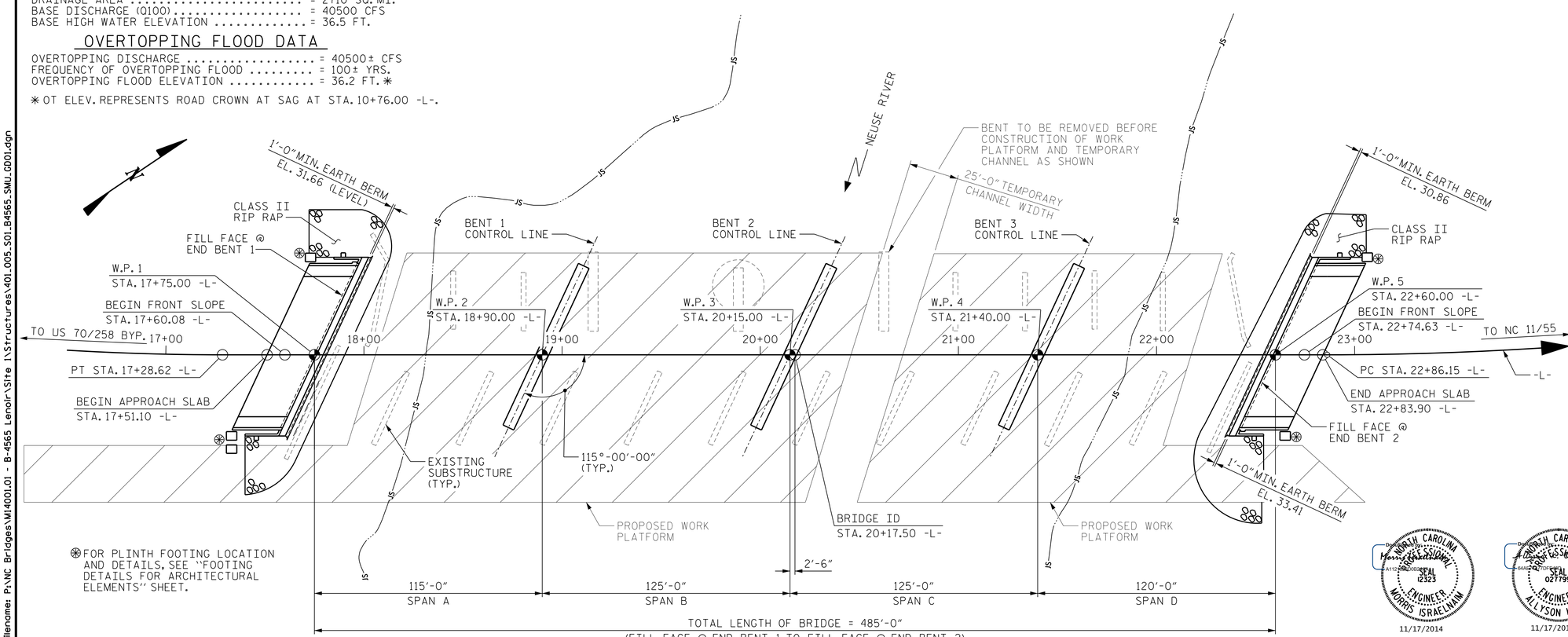
HYDROGRAPHIC DATA

DESIGN DISCHARGE ..... = 34700 CFS
FREQUENCY OF DESIGN FLOOD ..... = 50 YRS.
DESIGN HIGH WATER ELEVATION ..... = 35.1 FT.
DRAINAGE AREA ..... = 2710 SQ. MI.
BASE DISCHARGE (Q100)..... = 40500 CFS
BASE HIGH WATER ELEVATION ..... = 36.5 FT.

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE ..... = 40500± CFS
FREQUENCY OF OVERTOPPING FLOOD ..... = 100± YRS.
OVERTOPPING FLOOD ELEVATION ..... = 36.2 FT.✳

✳ OT ELEV. REPRESENTS ROAD CROWN AT SAG AT STA. 10+76.00 -L-.



✳ FOR PLINTH FOOTING LOCATION AND DETAILS, SEE "FOOTING DETAILS FOR ARCHITECTURAL ELEMENTS" SHEET.

PLAN

(PILES NOT SHOWN FOR CLARITY)

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

HORIZ. CURVE DATA -L-

PI STA. 15+68.16 -L-	PI STA. 27+92.67 -L-
Δ = 14°-00'-00.0" (LT.)	Δ = 33°-11'-00.0" (LT.)
D = 4°-20'-26.1"	D = 3°-22'-13.2"
L = 322.54'	L = 984.57'
T = 162.08'	T = 506.52'
R = 1,320.00'	R = 1,700.00'

PROJECT NO. B-4565
LENOIR COUNTY
STATION: 20+17.50 -L-

SHEET 1 OF 4 REPLACES BRIDGES NO. 42 & 43

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE ON US 70/258 BUS. OVER NEUSE RIVER BETWEEN US 70/258 BYP. AND NC 11/55

NORTH CAROLINA PROFESSIONAL SEAL 12323 ENGINEER MORRIS ISRAELNAIN
11/17/2014

NORTH CAROLINA PROFESSIONAL SEAL 027799 ENGINEER ALLYSON K. ORR
11/17/2014

DRAWN BY : B.E. LANNING	DATE : 09/14
CHECKED BY : A.K. ORR	DATE : 09/14
DESIGN ENGINEER OF RECORD : A.K. ORR	DATE : 10/14

MI ENGINEERING
1011 SCHAUB DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER : P-0671

REVISIONS							
NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO.	S-1
1			3			TOTAL SHEETS	118
2			4				

11/17/2014
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Filename: P:\NC Bridges\M14001.01 - B-4565 Lenoir\Site 1\Structures\401_005_S01_B4565_SMU_G001.dgn