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F.A. PROJ. NO. BRSTP-70B(5)

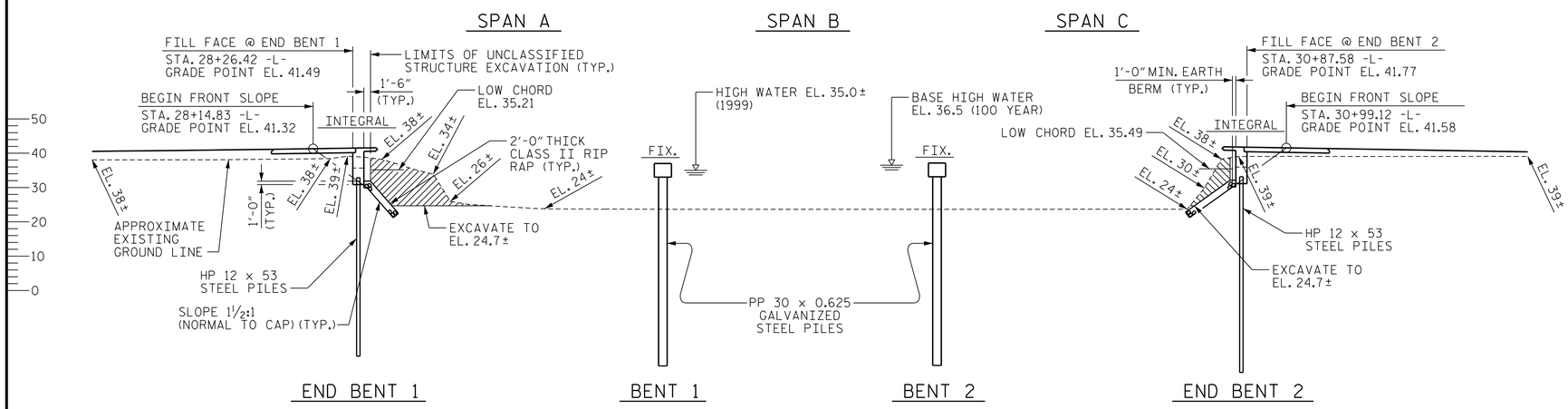
-1.7792% +1.8500% 28+00 29+00 +1.8500% -1.6692% 30+00 31+00

PVI STA. 26+40.00 -L-
PVI EL. = 37.98
V.C. = 450'

GRADE DATA -L-

PVI STA. 29+60.00 -L-
PVI EL. = 43.90
V.C. = 190'

GRADE DATA -L-



SECTION ALONG -L-

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

NOTE: UNDER NORMAL CONDITIONS THE STREAMBED IS DRY.

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

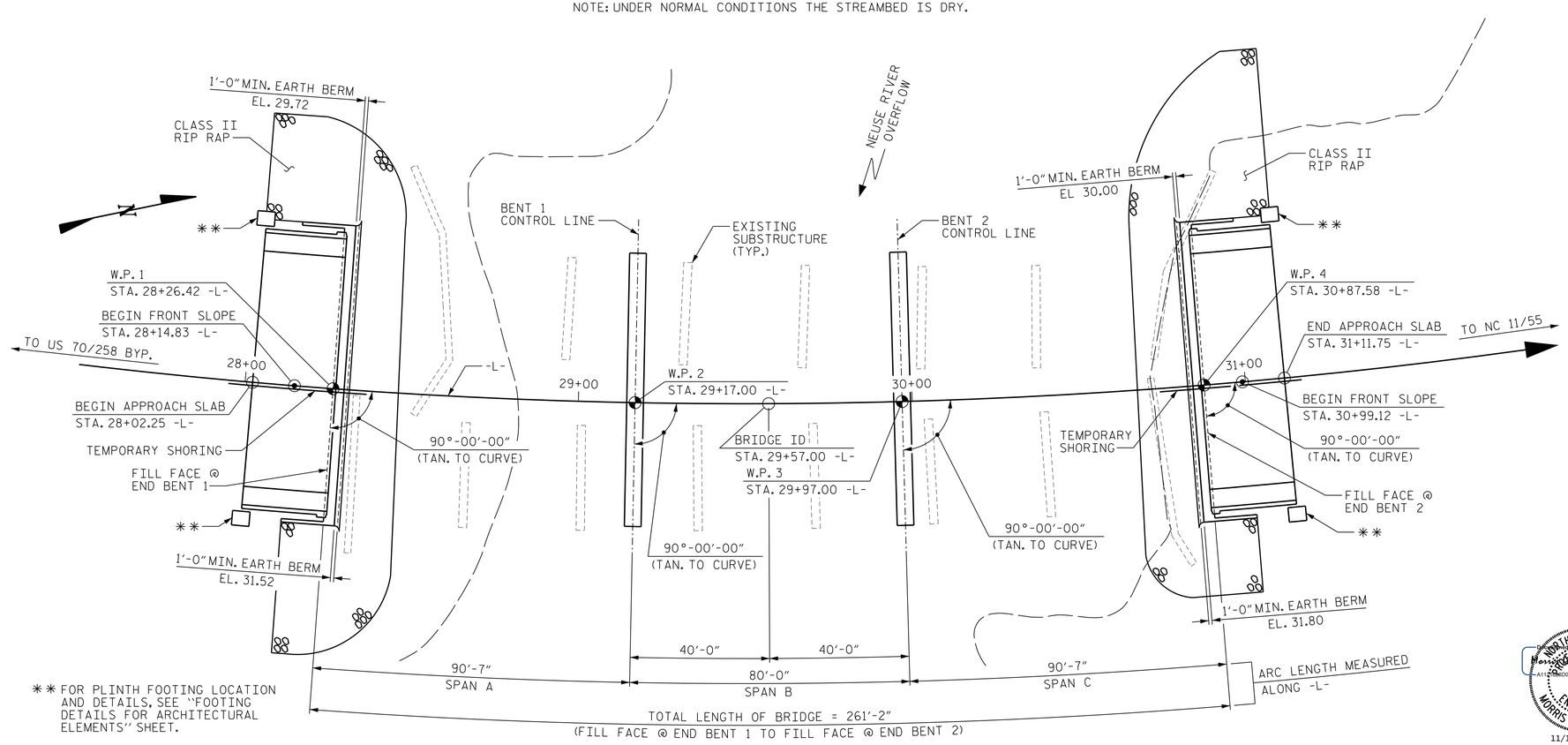
HYDROGRAPHIC DATA

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)

HORIZ. CURVE DATA -L-

PI STA. 27+92.67 -L-
Δ = 33°11'00.0" (LT.)
D = 3°22'13.2"
L = 984.57'
T = 506.52'
R = 1,700.00'

PROJECT NO. B-4565
LENOIR COUNTY
STATION: 29+57.00 -L-

SHEET 1 OF 4 REPLACE BRIDGES NO. 26 & 28

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

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

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

NORTH CAROLINA PROFESSIONAL SEAL 041343 ENGINEER GREGORY R. COLS
11/17/2014

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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-61
1			3			TOTAL SHEETS
2			4			118

DRAWN BY : B.E. LANNING DATE : 08/14
CHECKED BY : G.R. COLS DATE : 08/14
DESIGN ENGINEER OF RECORD : G.R. COLS DATE : 10/14

11/17/2014
2:40:01 PM
User: blanning
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