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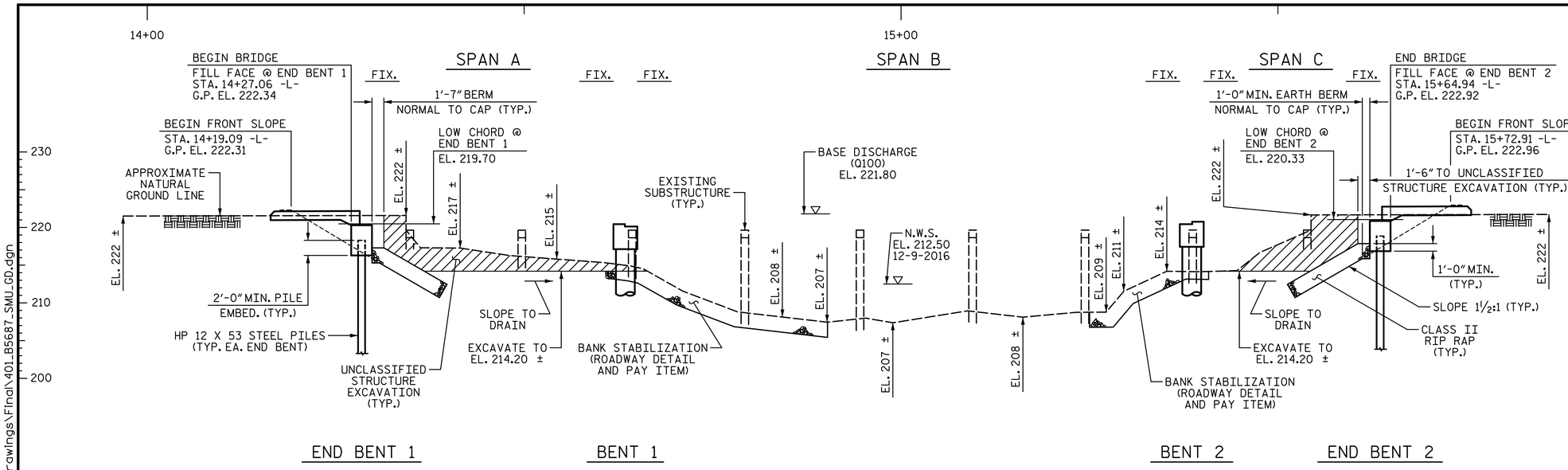


SECTION ALONG ℄ SURVEY -L-

(SECTIONS @ END BENTS AND BENTS ARE @ RIGHT ANGLES)

(-)4.0609% (+)0.4205%

PVI STA. 12+65.00
EL. = 221.66
VC = 230'

(+)0.4205% (+)3.9200%

PVI STA. 18+50.00
EL. = 224.12
VC = 200'

GRADE DATA -L-

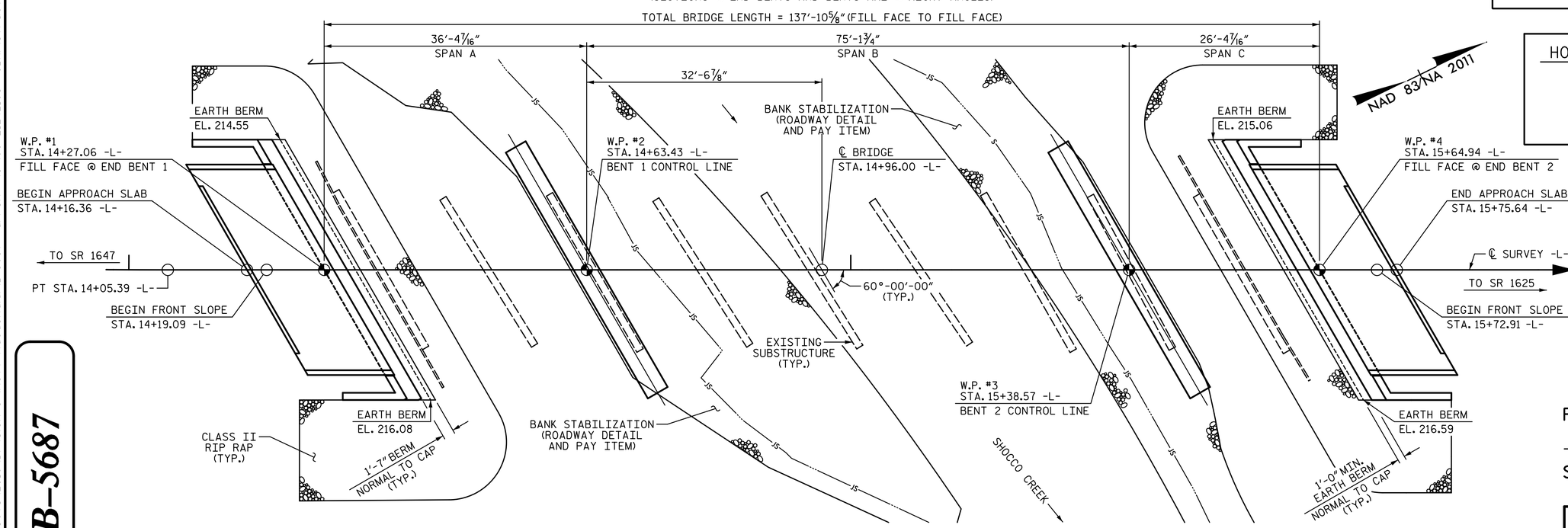
HYDRAULIC DATA:

DESIGN DISCHARGE	= 4700 CFS
FREQUENCY OF DESIGN FLOOD	= 25 YEAR
DESIGN HIGH WATER ELEVATION	= 220.9
DRAINAGE AREA	= 36.3 SQ. MI.
BASE DISCHARGE (Q 100)	= 7207 CFS
BASE HIGH WATER ELEVATION	= 221.8

OVERTOPPING FLOOD DATA:

OVERTOPPING DISCHARGE	= 8700
FREQUENCY OF OVERTOPPING FLOOD	= 500± YEAR
OVERTOPPING FLOOD ELEVATION	= 222.7 ✱✱

✱✱ OVERTOPPING OCCURS AT ROADWAY SAG AT STA. 13+58.00 -L- AT ROADWAY SUPER HIGH (RIGHT) SIDE



PLAN

(PILES AND DRILLED PIERS NOT SHOWN IN PLAN VIEW)

HORIZONTAL CURVE DATA

PI STA. 13+52.72 -L-
Δ = 4°-32'-24.7" (LT.)
D = 4°-18'-28.6"
L = 105.39'
T = 52.72'
R = 1330.00'

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

PROJECT NO. B-5687
WARREN COUNTY
STATION: 14+96.00 -L-

SHEET 1 OF 2 REPLACES BRIDGE #43

TIP: B-5687

DRAWN BY: T. BANKOVICH DATE: 4-18
CHECKED BY: B.S. COX DATE: 4-18
DESIGN ENGINEER OF RECORD: B.S. COX DATE: 4-18

PLANS PREPARED BY:
SIMPSON ENGINEERS & ASSOCIATES
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(919) 852-0468
(919) 852-0598 (Fax)
www.simpsonengr.com
LICENSURE NO. C-2521

NORTH CAROLINA PROFESSIONAL SEAL 11268 ENGINEER BETSY S. COX
4/3/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
FOR BRIDGE ON SR 1620
(LICKSKILLET RD)
OVER SHOCCO CREEK
BETWEEN SR 1647 AND SR 1625
27'-10" CLEAR ROADWAY - 60° SKEW

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

4/3/2018 2:03:50 PM G:\Projects\2016\Division 5 (Mott Macdonald)\B-5687 Warren #43 (60 212421CS VCBR)\Structures\Drawings\Final\401_B5687_SMU_GD.dgn