

NOTES:

FOR GENERAL NOTES, SEE SHEET 4 OF 4.

HYDRAULIC DATA

DESIGN DISCHARGE	= 30,900 CSF
FREQUENCY OF DESIGN FLOOD	= 50 YRS.
DESIGN HIGH WATER ELEVATION	= 866.5
DRAINAGE AREA	= 97.9 SQ. MILES
BASE DISCHARGE (Q100)	= 41,500 CFS
BASE HIGH WATER ELEVATION	= 872.24

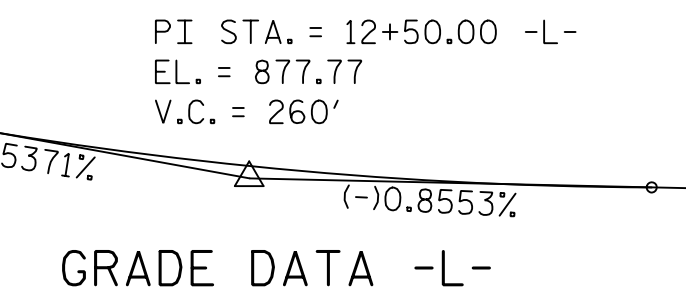
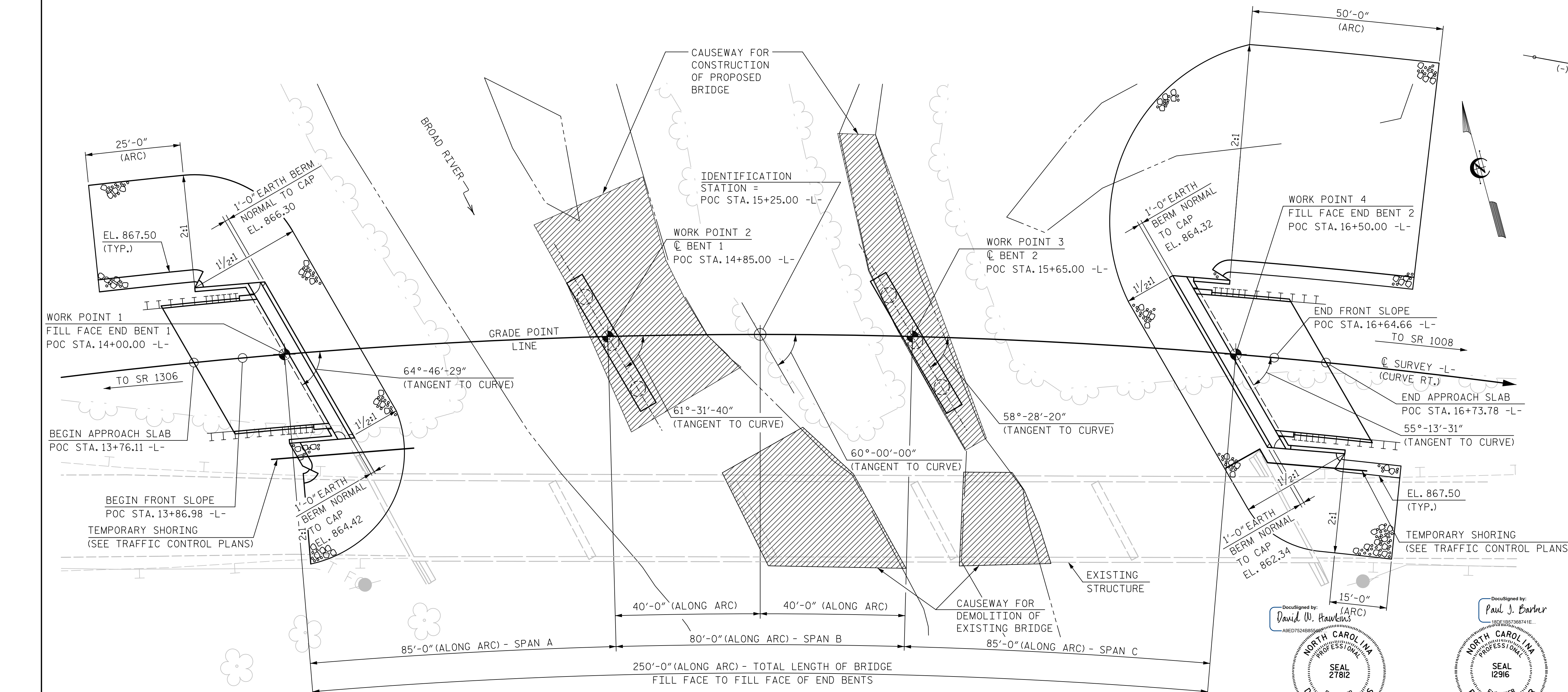
OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE	= 38,000 CFS
FREQUENCY OF OVERTOPPING FLOOD	= <100 YRS.
OVERTOPPING FLOOD ELEVATION	= 871.64

NOTE: OVERTOPPING OCCURS AT ROADWAY STA. 21+31 -L-

HORIZONTAL CURVE DATA -L-

PI STA. 14+81.91-L-
$\Delta = 24^\circ-31'-19.4"$ (RT)
$D = 3^\circ-49'-11.0"$
$T = 325.98'$
$L = 641.99'$
$R = 1500.00'$
$SE = .04$



I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

PROJECT NO. B-4811
 RUTHERFORD COUNTY
 STATION: POC 15+25.00 -L-

SHEET 1 OF 4 REPLACES BRIDGE NO. 0087

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
GENERAL DRAWING
 BRIDGE OVER BROAD RIVER
 ON US 64 BETWEEN SR 1306
 AND SR 1008

PLAN
 NOTE: PILES NOT SHOWN FOR CLARITY.
 ALL BENTS AND END BENTS ARE PARALLEL.

DocuSigned by:
 David W. Hawkins
 SEAL 27812
 ENGINEER
 DAVID W. HAWKINS
 1/29/2016

DocuSigned by:
 Paul J. Barber
 SEAL 12916
 ENGINEER
 PAUL J. BARBER
 1/29/2016

HNTB HNTB NORTH CAROLINA, P.C.
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DRAWN BY M. WRIGHT DATE 4/15
 CHECKED BY P. BARBER DATE 12/15
 DWG. NO. 1

REVISIONS						SHEET NO. S01-1
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 42
2			4			

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**