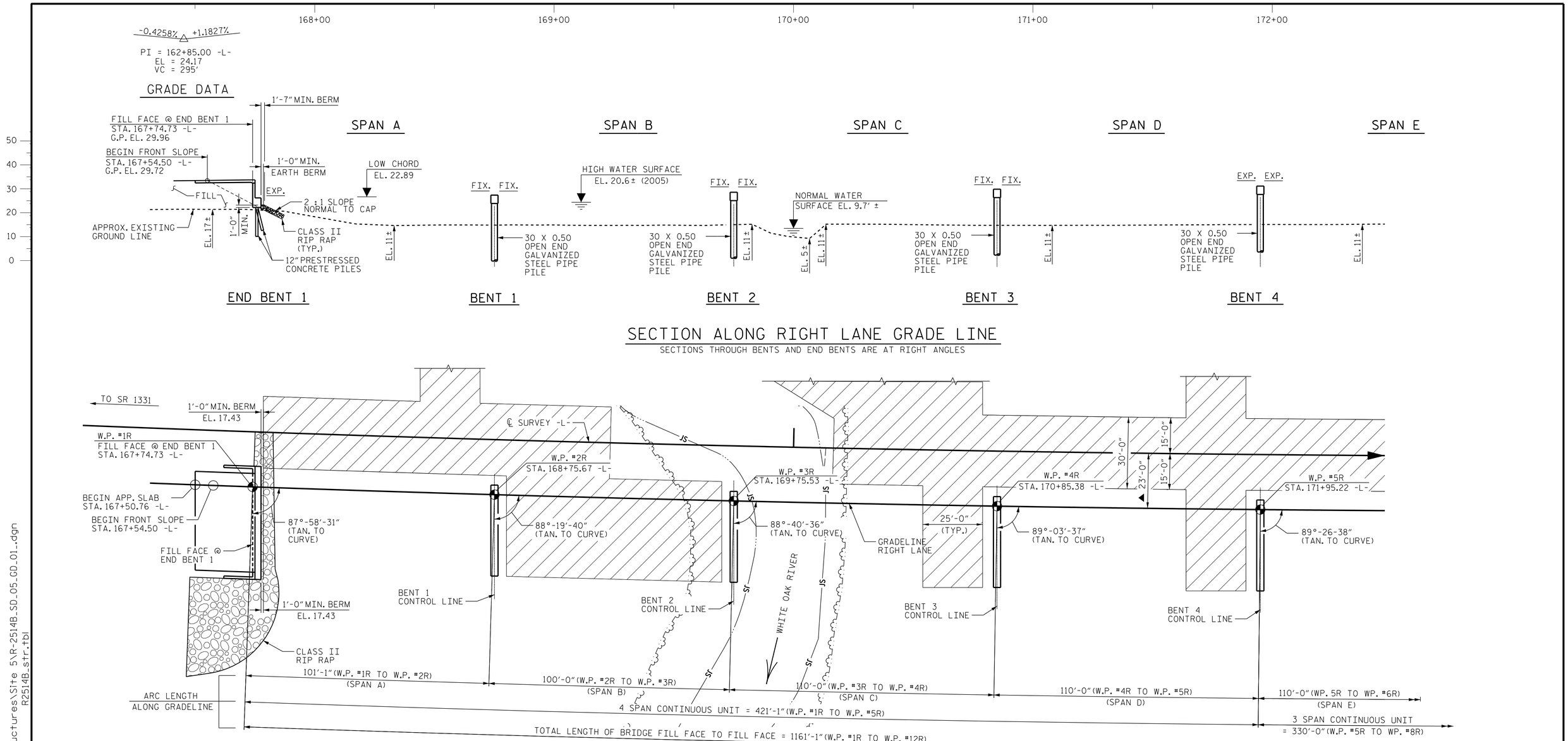

SECTION ALONG RIGHT LANE GRADE LINE

SECTIONS THROUGH BENTS AND END BENTS ARE AT RIGHT ANGLES

HYDRAULIC DATA	
DESIGN DISCHARGE	= 5910 CFS
FREQUENCY OF DESIGN FLOOD	= 50 YEARS
DESIGN HIGH WATER ELEVATION	= 19.0
DRAINAGE AREA	= 65.0 SQ. MI.
BASIC DISCHARGE (Q100)	= 7520 CFS
BASIC HIGH WATER ELEVATION	= 20.32
OVERTOPPING FLOOD DATA	
OVERTOPPING DISCHARGE	= 12320+ CFS
FREQUENCY OF OVERTOPPING FLOOD	= 500+ YEARS
OVERTOPPING FLOOD ELEVATION	= 24.6 ✱

✱ OVERTOPPING ELEVATION REPRESENTS GRADE POINT @ STA. 162+15.59 -L-

HORIZONTAL CURVE DATA

P.I. STA. = 179+99.89
Δ = 21°-13'-15.0"(LT.)
D = 0°-20'-57.3"
L = 6,075.98'
T = 3,073.20'
R = 16,405.00'

PLAN

FOR CLARITY, PILES ARE NOT SHOWN IN PLAN VIEW

▲ RADIAL DIMENSION

ALL BENTS AND END BENTS ARE PARALLEL.

TEMPORARY ACCESS (WORK BRIDGE)

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

PROJECT NO. R-2514B
ONSLOW/JONES COUNTY
STATION: 173+54.46 -L-

SHEET 1 OF 8 BRIDGE No. 93

NORTH CAROLINA PROFESSIONAL SEAL 20668 ENGINEER PAUL R. HOLSHOUSER

DocuSigned by: Paul R. Holshouser 1C5F9484FEC444D... 2/3/2015

The LOUIS BERGER GROUP, Inc.
1001 Wade Avenue, Suite 400
Raleigh, NC 27605-3322
NC COA No. F-0840

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
FOR BRIDGE
ON PROPOSED US 17 BYPASS
OVER WHITE OAK RIVER
BETWEEN SR 1331 AND SR 1116
(RIGHT LANE)

REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			SS-1
1			3					TOTAL SHEETS
2			4					75

DRAWN BY :	M. HOGAN	DATE :	11/13
CHECKED BY :	R. COFFMAN	DATE :	11/13
DESIGN ENGINEER OF RECORD :	P. HOLSHOUSER	DATE :	10/14

STR. #5

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