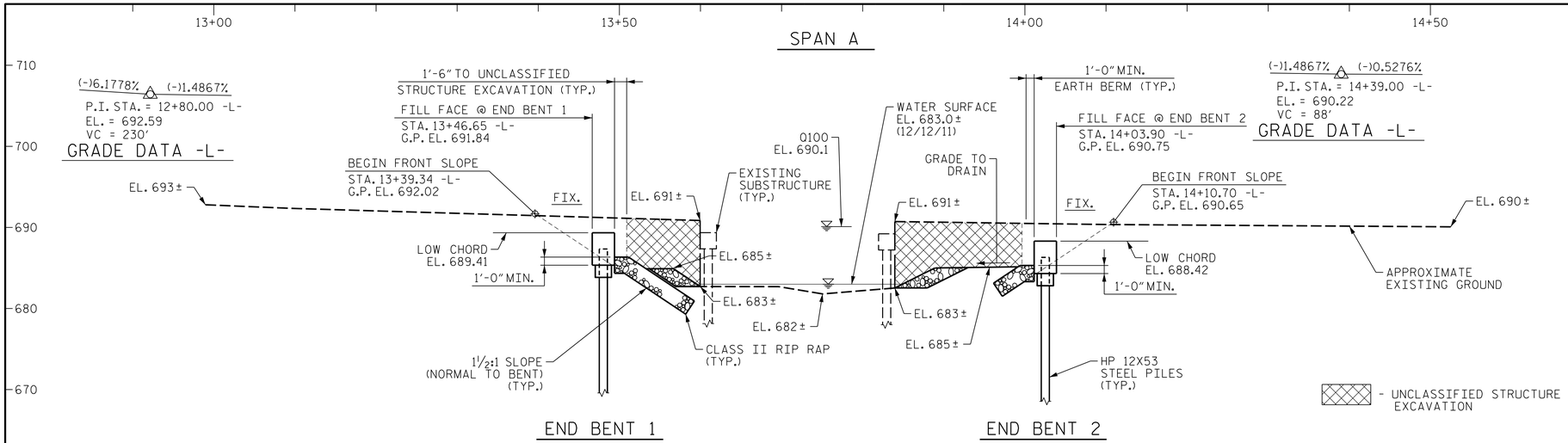


SECTION ALONG -L-

SECTIONS AT END BENTS ARE AT RIGHT ANGLES

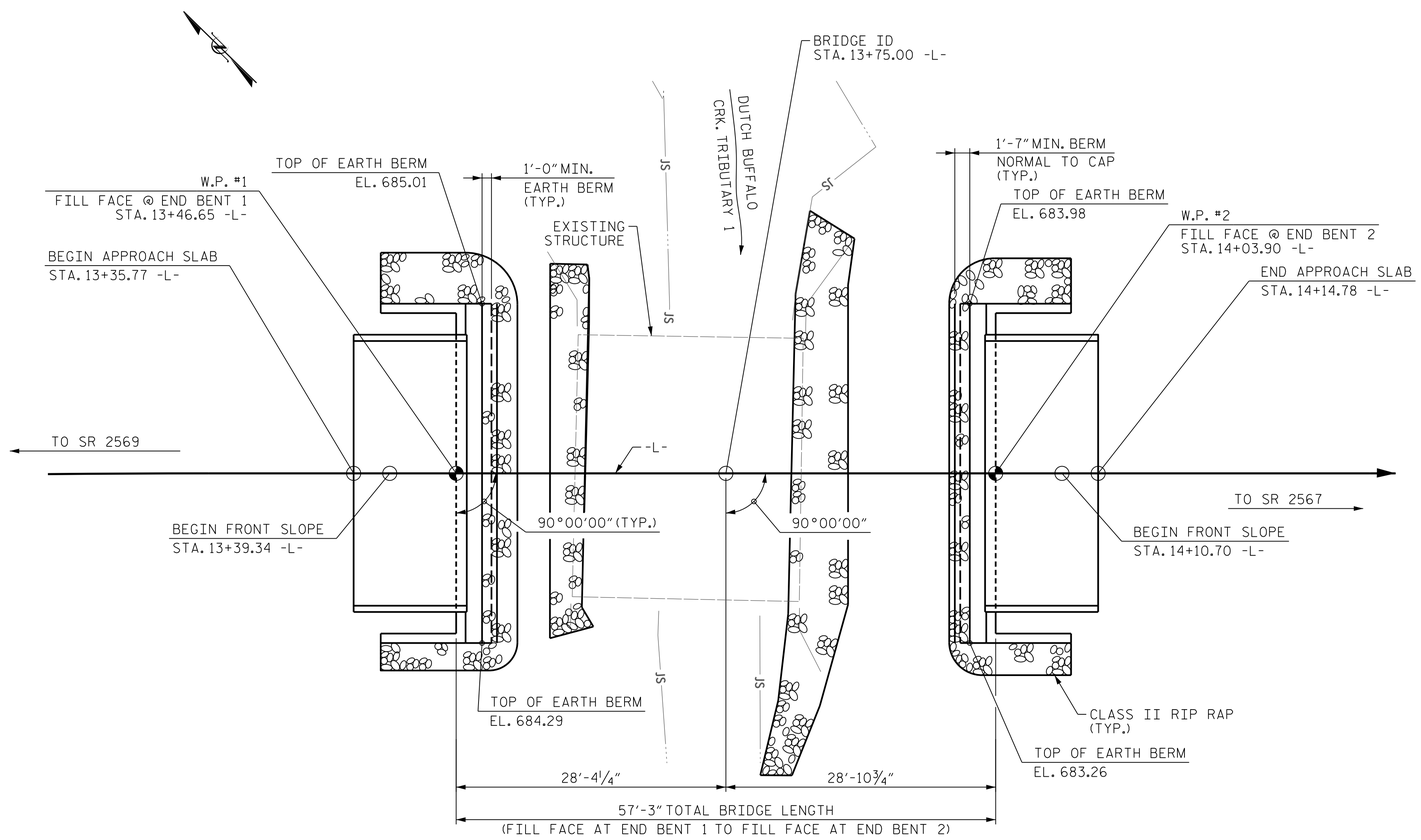
HYDRAULIC DATA

DESIGN DISCHARGE	900 CFS
FREQUENCY OF DESIGN FLOOD	10 YRS. ✱
DESIGN HIGH WATER ELEVATION	688.5
DRAINAGE AREA	3.7 SQ.MI.
BASE DISCHARGE (Q100)	1700 CFS
BASE HIGH WATER ELEVATION	690.1

✱ MAINTAINS EXISTING LEVEL OF SERVICE

OVERTOPPING FLOOD DATA

OVERTOPPING FLOOD DISCHARGE	1400 CFS
FREQUENCY OF OVERTOPPING FLOOD	<50 YRS.
OVERTOPPING FLOOD ELEVATION @ ℄ RDY @ STA. 15+17.00 -L-	689.8



PLAN

PILES NOT SHOWN FOR CLARITY

PROJECT NO. 17BP.9.R.14

ROWAN COUNTY

STATION: 13+75.00 -L-

SHEET 1 OF 2 REPLACES BRIDGE NO. 186

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE ON SR 2568
(RIMERTOWN RD.) OVER
DUTCH BUFFALO CRK. TRIBUTARY 1
BET/ SR 2569 AND SR 2567

DESIGNED BY:	B. LOFLIN	DATE :	MAR 2017
DRAWN BY:	M. HOBBS	DATE :	MAR 2017
CHECKED BY:	J. SMITH	DATE :	APR 2017
DESIGN ENGINEER OF RECORD:	J. SHERMAN	DATE :	JUL 2017

WSP USA Inc.
1001 MOREHEAD SQUARE DRIVE
SUITE 610
CHARLOTTE, NC 28203
TEL: 1.704.342.5401

WSP.COM

LICENSE NO. F-0165

NORTH CAROLINA PROFESSIONAL SEAL 031988 ENGINEER JACOB P. SHERMAN

DocuSigned by: Jacob P. Sherman 7/17/17
AE832ED0CE18488...

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			S-1
1			3					TOTAL SHEETS
2			4					13

7/17/2017
J:\173561 - 2012 NCDOT Division On-Call\173561E Group 5 Bridges\17BP.9.R.14 Rimertown Road\Structures\02-Drawings\400_001_17BP.9.R.14_SMU_GD01.dgn