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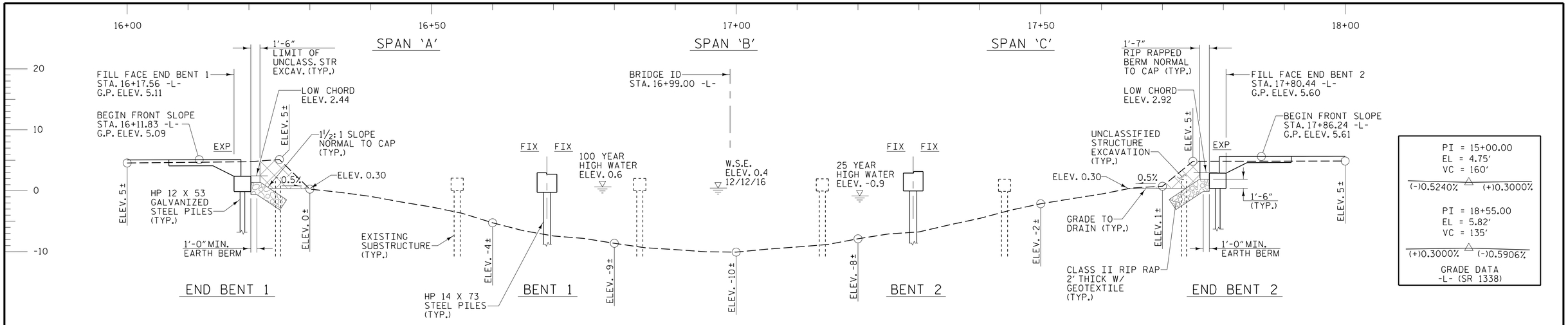
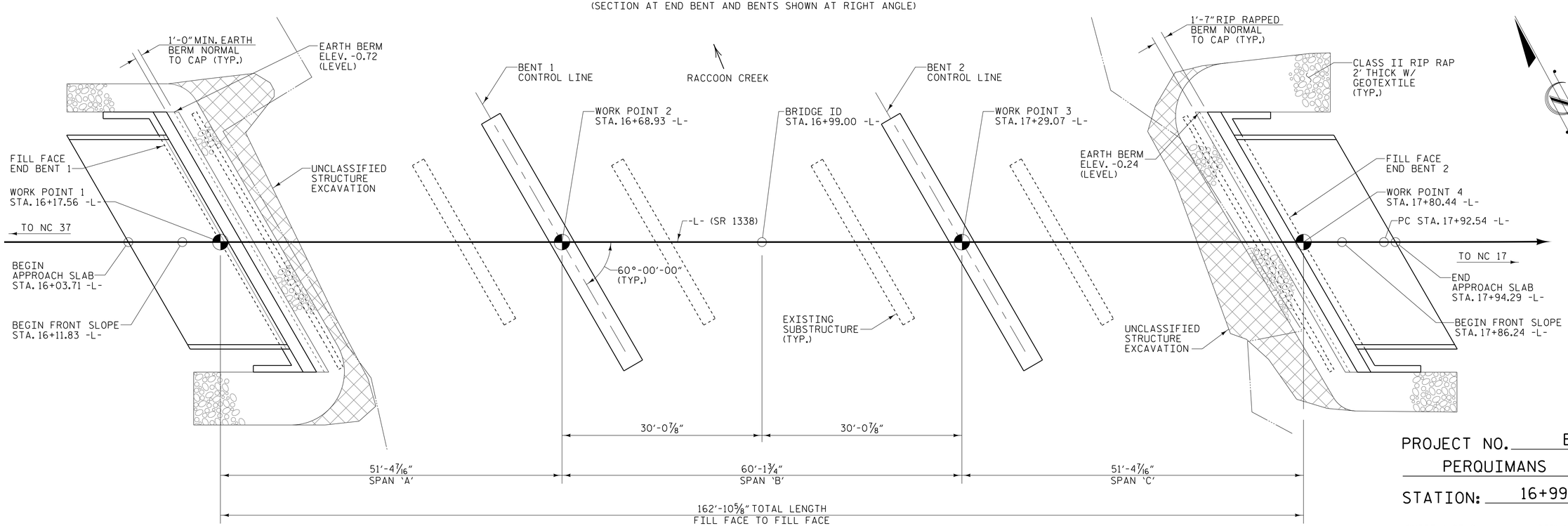


SECTION ALONG -L-

(SECTION AT END BENT AND BENTS SHOWN AT RIGHT ANGLE)



PLAN

PILES NOT SHOWN FOR CLARITY

PROJECT NO. B-5606

PERQUIMANS COUNTY

STATION: 16+99.00 -L-

SHEET 1 OF 2 REPLACES BRIDGE NO. 11

HYDRAULIC DATA:

DESIGN DISCHARGE -	850 CFS
FREQUENCY OF DESIGN FLOOD -	25 YEAR
DESIGN HIGH WATER ELEVATION -	-0.9
DRAINAGE AREA -	7.5 SQ. MI.
BASE DISCHARGE (Q 100) -	1300 CFS
BASE HIGH WATER ELEVATION -	0.6

OVERTOPPING DATA:

OVERTOPPING DISCHARGE -	3710 CFS
FREQUENCY OF OVERTOPPING-	>500 YEAR
OVERTOPPING FLOOD ELEVATION -	4.9

LOW POINT OF ROADWAY OVERTOPPING PROFILE OCCURS AT -L- STA. 15+22

HORIZONTAL CURVE DATA

PI STA. 18+35.78
△ = 1° 02' 51.8" (LT)
D = 1° 12' 41.2"
L = 86.49'
T = 43.24'
R = 4,729.58'

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036611 L. KEVIN AUSTIN 5/15/2018

DocuSigned by: L. Kevin Austin 72F8B3720EA4488...

PLANS PREPARED BY:

CALYX ENGINEERS + CONSULTANTS
6750 TRYON ROAD
CARY, NC 27518
phone: 919.851.1912
CALYXengineers.com
NC License # F-1333

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

BRIDGE ON SR 1338
OVER RACOON CREEK
BETWEEN NC 37 & US 17

30'-10" CLEAR ROADWAY - 60° SKEW

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

DRAWN BY :	W. B. ALLEN	DATE :	7/17
CHECKED BY :	Z. H. BROWN	DATE :	7/17
DESIGN ENGINEER OF RECORD:	L. K. AUSTIN	DATE :	5/18

5/15/2018 3:43:15 PM R:\Structures\B5606_SMU_GDL_7001.dgn