

**GRADE DATA -YEB01-**

(+)-4.0000%    (-)-4.0000%

PI 31+94.00  
EL. = 73.94  
V.C. = 815'

**HYDROGRAPHIC DATA\***

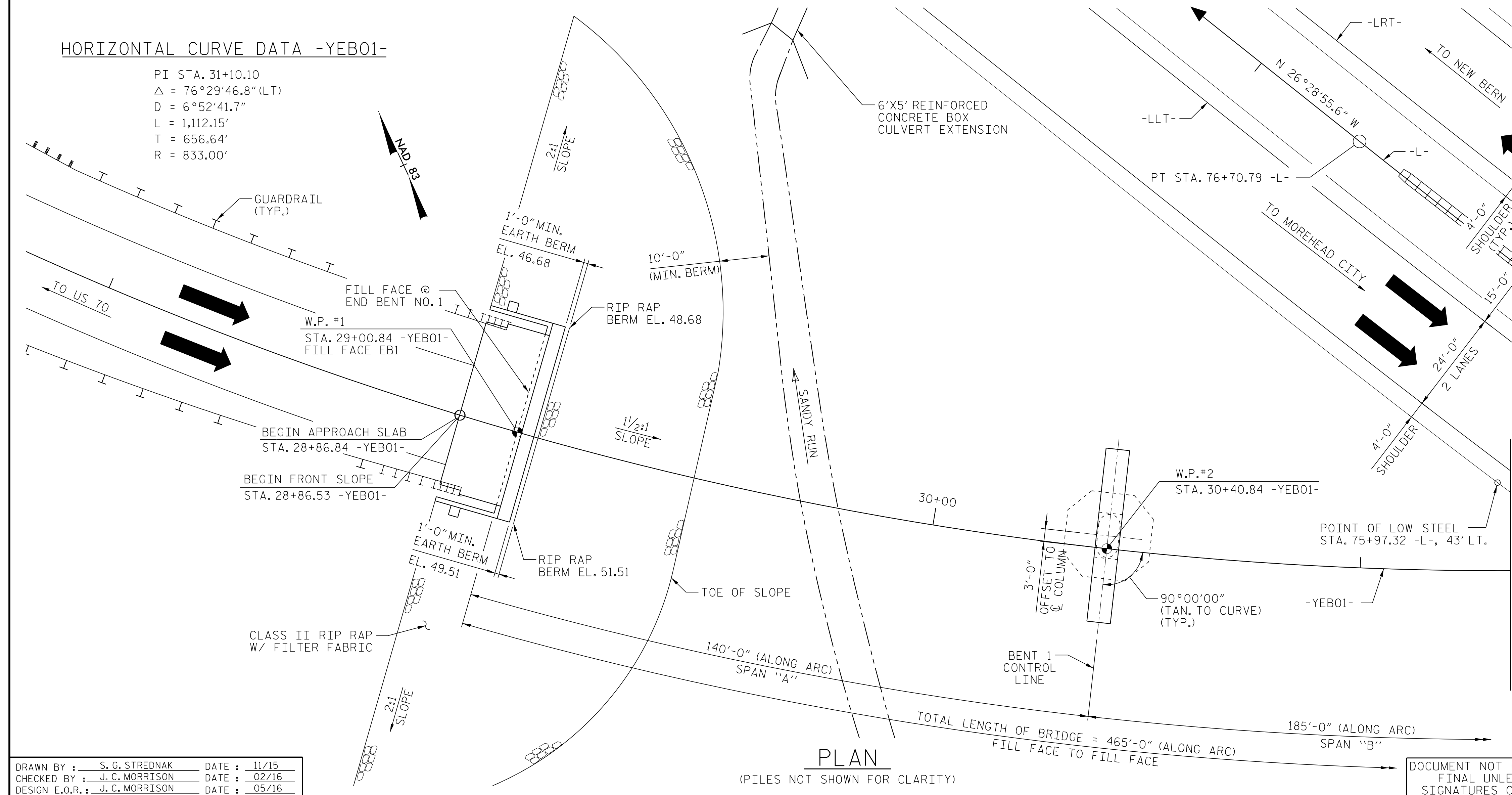
DESIGN DISCHARGE	120 CFS
FREQUENCY OF DESIGN FLOOD	50 YR.
DESIGN HIGH WATER ELEVATION	23.4
DRAINAGE AREA	321 AC.
BASE DISCHARGE (Q100)	150 CFS
BASE HIGH WATER ELEVATION	23.8
OVERTOPPING DISCHARGE	415 CFS
OVERTOPPING ELEVATION	29.2

\* BASED ON HYDROGRAPHIC DATA COMPUTED AT CULVERT -L- STA. 78+08

OVERTOPPING OCCURS AT -L- STA. 79+00.

**HORIZONTAL CURVE DATA -YEB01-**

PI STA. 31+10.10  
Δ = 76°29'46.8" (LT)  
D = 6°52'41.7"  
L = 1,112.15'  
T = 656.64'  
R = 833.00'



PROJECT NO. R-5516  
CRAVEN COUNTY  
STATION: 32+25.84 -YEB01-  
75+13.29 -L-  
BRIDGE NO. 240270

**AECOM**  
AECOM TECHNICAL SERVICES, INC.  
701 CORPORATE CENTER DRIVE, SUITE 475  
RALEIGH, NC 27607  
(919) 854-6200    www.aecom.com  
AECOM License No. F-0342

4/12/2017

NORTH CAROLINA PROFESSIONAL SEAL  
030474  
ENGINEER  
JOHN C. MORRISON

DocuSigned by:  
John C. Morrison  
A32FE142C82E448

STATE OF NORTH CAROLINA  
**DEPARTMENT OF TRANSPORTATION**  
RALEIGH

**GENERAL DRAWING**

BRIDGE ON US 70 FLYOVER TO SLOCUM ROAD OVER US 70 INTERCHANGE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			51
2			4			

DRAWN BY : S.G. STREDNAK    DATE : 11/15  
CHECKED BY : J.C. MORRISON    DATE : 02/16  
DESIGN E.O.R. : J.C. MORRISON    DATE : 05/16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DATE: 4/7/2017 TIME: 2:44:28 PM  
USER: jrc1503c DGN: R:\632944-5\ncdm\_Road\400\_Technical\408\_Structure\Coord\400\_005\_S01\_R5516\_SML\_G001.dgn