

(+) 0.3000%	(-) 0.4075%
P.V.I. 588+60.00	
ELEV. 157.82	
VC 280.0'	
-VERTICAL CURVE DATA-	
-L- (NBL) & -L- (SBL)	

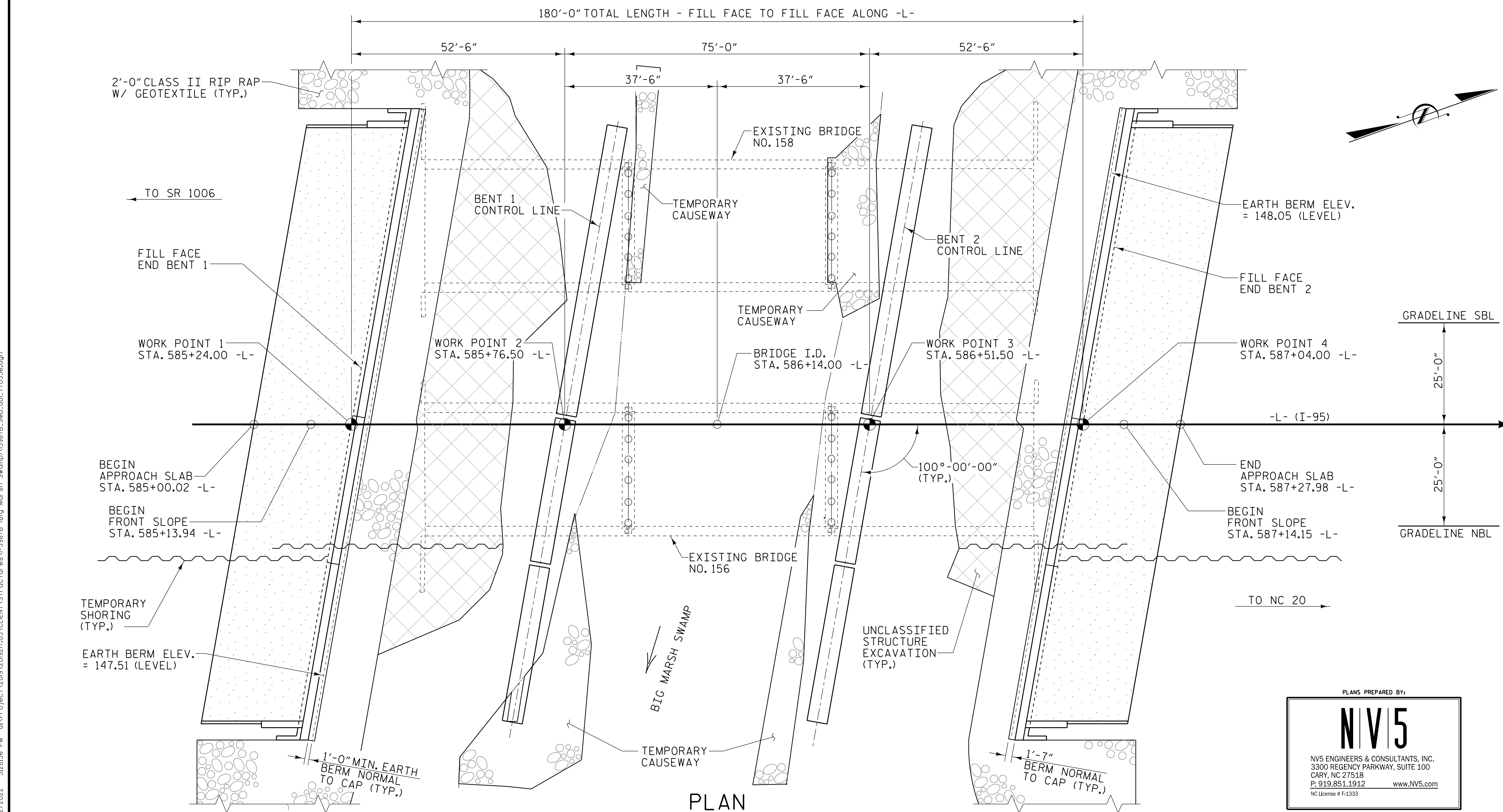
**HYDRAULIC DATA:**

DESIGN DISCHARGE -	4500 CFS
FREQUENCY OF DESIGN DISCHARGE -	100 YEAR
DESIGN HIGH WATER ELEVATION -	148.1
DRAINAGE AREA -	48.3 SQ. MI.
BASE DISCHARGE (Q 100) -	4500 CFS
BASE HIGH WATER ELEVATION -	148.1

**OVERTOPPING FLOOD DATA:**

OVERTOPPING DISCHARGE -	17000 CFS
FREQUENCY OF OVERTOPPING FLOOD -	500+ YEAR
OVERTOPPING FLOOD ELEVATION -	153.9

OVERTOPPING OCCURS AT SAG AT -L- SB- STA. 575+00 LT.



I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

PROJECT NO. I-5987B  
 ROBESON COUNTY  
 STATION: 586+14.00 -L- POT

SHEET 1 OF 6 BRIDGE NO. 770536

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**GENERAL DRAWING**  
 FOR BRIDGE ON I-95  
 OVER BIG MARSH SWAMP  
 BETWEEN SR 1006 AND NC 20

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S5-1
1			3			TOTAL SHEETS
2			4			64

PLANS PREPARED BY:

**NV5**

NV5 ENGINEERS & CONSULTANTS, INC.  
 3300 REGENCY PARKWAY, SUITE 100  
 CARY, NC 27518  
 P: 919.851.1912 www.nv5.com  
 NC License # F-1333

STATE OF NORTH CAROLINA  
 PROFESSIONAL ENGINEER  
 L. Kevin Austin  
 770536

4/22/2022 5:28:36 PM G:\Project\1208\20957\03\CLIENT\Structures\I-5987B (Big Marsh Swamp)\I5987B.SMU.GDT, 770536.dgn

DRAWN BY : W. B. ALLEN DATE : 4/21  
 CHECKED BY : G. F. WILSON DATE : 5/21  
 DESIGN ENGINEER OF RECORD: L. K. AUSTIN DATE : 2/22

(NOTE: PILES NOT SHOWN FOR CLARITY)

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

4/24/2022