

HYDRAULIC DATA

DESIGN DISCHARGE -----1,000 CFS
 FREQUENCY OF DESIGN FLOOD -----50-YR.
 DESIGN HIGH WATER ELEVATION-----71.0 FT.
 DRAINAGE AREA -----10.2 SQ. MI.
 BASE DISCHARGE (Q100) -----1,200 CFS
 BASE HIGH WATER ELEVATION -----71.2 FT.

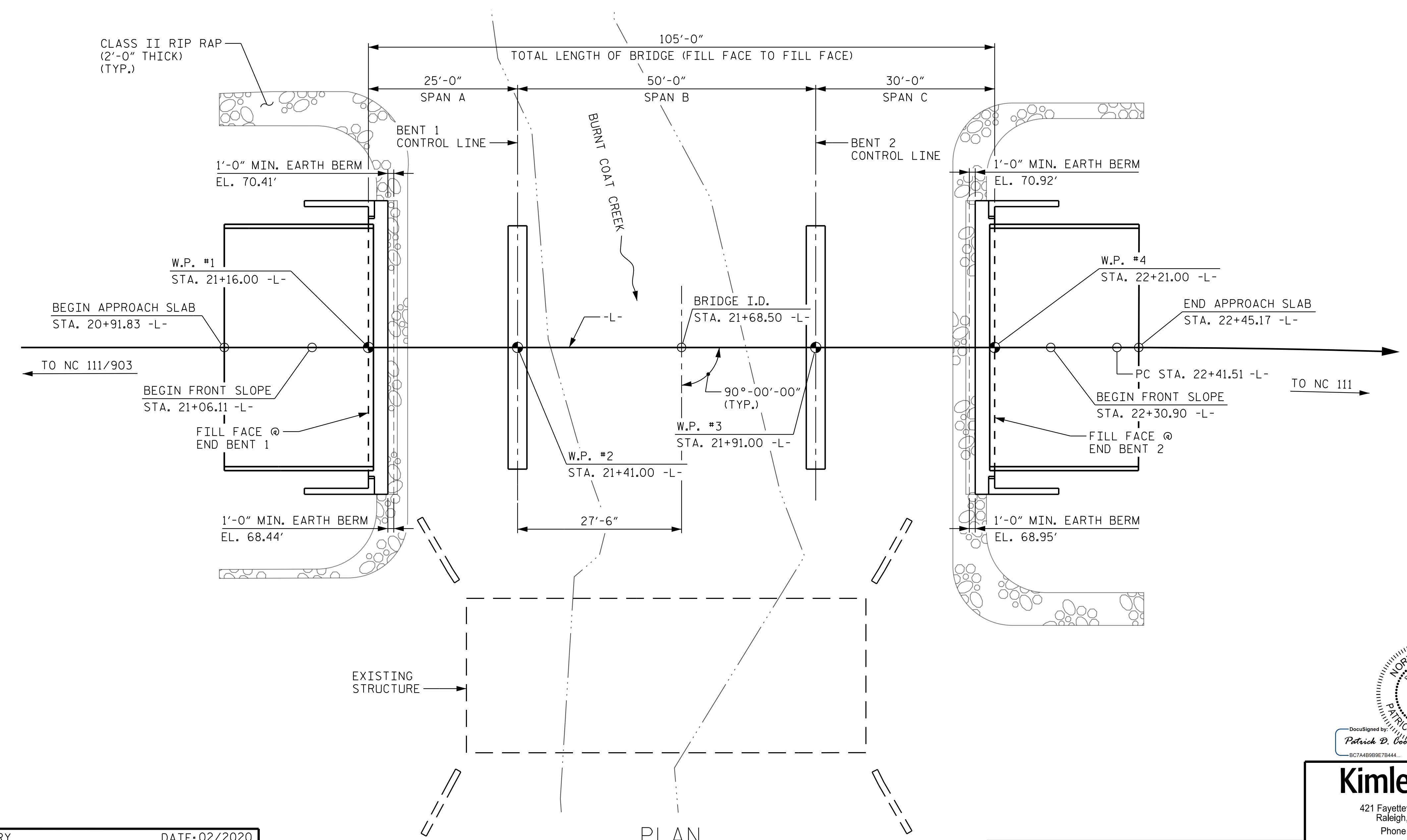
OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE -----4,400 CFS
 FREQUENCY OF OVERTOPPING FLOOD ---> 500 YR.
 OVERTOPPING FLOOD ELEVATION -----74.0 FT.
 OVERTOPPING GRADE 74.0'
 APPROX. STATION 11+70 -L-

HORIZONTAL CURVE DATA -L-

P.I. STA. 23+85.79
 $\Delta = 10^{\circ}-59'-17.3"$ (RT)
 $D = 3^{\circ}-49'-11.0"$
 $L = 287.67'$
 $T = 144.28'$
 $R = 1,500.00'$

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS.



PROJECT NO. B-5534
 DUPLIN COUNTY
 STATION: 21+68.50 -L-

SHEET 1 OF 3 REPLACES BRIDGE NO. 82

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING

FOR BRIDGE OVER
 BURNT COAT CREEK
 ON NC 111/903 BETWEEN
 NC 111/903 AND NC 111

Professional Engineer Seal: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045140, PATRICK D. COOKSEY, 4/2/2020

Kimley»Horn
 421 Fayetteville Street, Suite 600
 Raleigh, NC 27601-1772
 Phone (919) 677-2000
 NC LICENSE # F-0102

DRAWN BY: D. D. LOWERY DATE: 02/2020
 CHECKED BY: J. C. WILSON DATE: 02/2020
 DESIGN ENGINEER OF RECORD: P. D. COOKSEY DATE: 02/2020

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			34

K:\BIDI_Structures\Bridges\NC\101036500 - B-5534\Gen Dgn\B5534_SML_GD1_300082.dgn