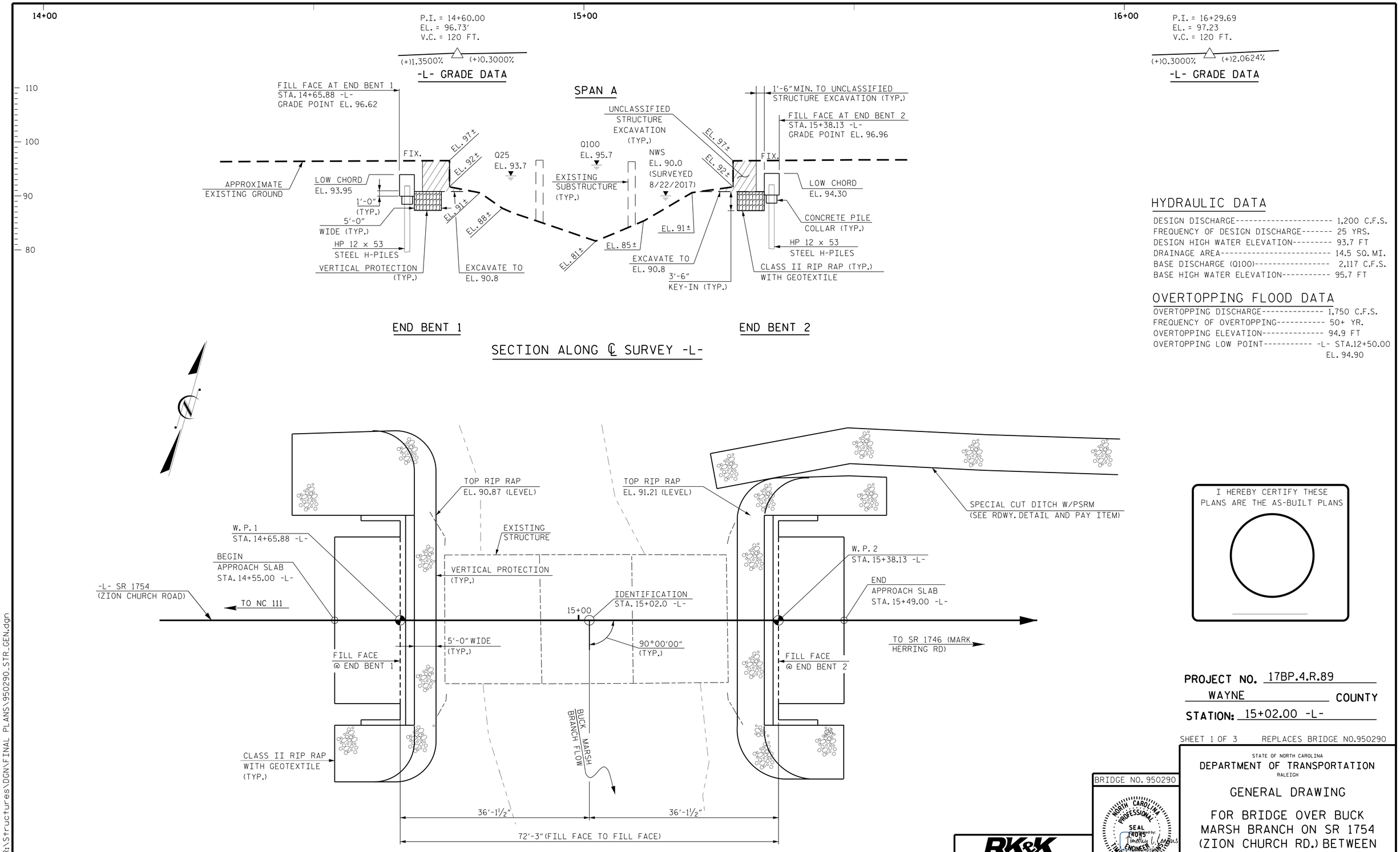
DocuSign Envelope ID: C5D63514-B8CA-48D7-AD5E-F8304BB92BF8



HYDRAULIC DATA

DESIGN DISCHARGE---------- 1,200 C.F.S.
FREQUENCY OF DESIGN DISCHARGE------- 25 YRS.
DESIGN HIGH WATER ELEVATION--------- 93.7 FT
DRAINAGE AREA---------- 14.5 SQ. MI.
BASE DISCHARGE (Q100)---------- 2,117 C.F.S.
BASE HIGH WATER ELEVATION---------- 95.7 FT

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE---------- 1,750 C.F.S.
FREQUENCY OF OVERTOPPING---------- 50+ YR.
OVERTOPPING ELEVATION---------- 94.9 FT
OVERTOPPING LOW POINT---------- -L- STA.12+50.00
EL. 94.90

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

PROJECT NO. 17BP.4.R.89
WAYNE COUNTY
STATION: 15+02.00 -L-

SHEET 1 OF 3 REPLACES BRIDGE NO.950290

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE OVER BUCK MARSH BRANCH ON SR 1754 (ZION CHURCH RD.) BETWEEN NC 111 AND SR 1746

BRIDGE NO. 950290

NORTH CAROLINA PROFESSIONAL SEAL 24075 ENGINEER TIMOTHY L. COGGINS
Signed by: Timothy L. Coggins
5/23/2018

RK&K
RUMMEL, KLEPPER & KAHL, LLP
900 RIDGEFIELD DRIVE SUITE 350
RALEIGH, NC 27609-3960 (919) 878-9560
NC LICENSE NUMBER: F-0112

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			
2			4			

SHEET NO. S-1
TOTAL SHEETS 15

DRAWN BY : L.A. TUTT DATE : JAN. 2018
CHECKED BY : O.J. PAITEL DATE : JAN. 2018
DESIGN ENGINEER OF RECORD : T.L. COGGINS DATE : JAN. 2018

opaitel
1/26/2018 R:\Structures\DGN\FINAL PLANS\950290_STR_GEN.dgn