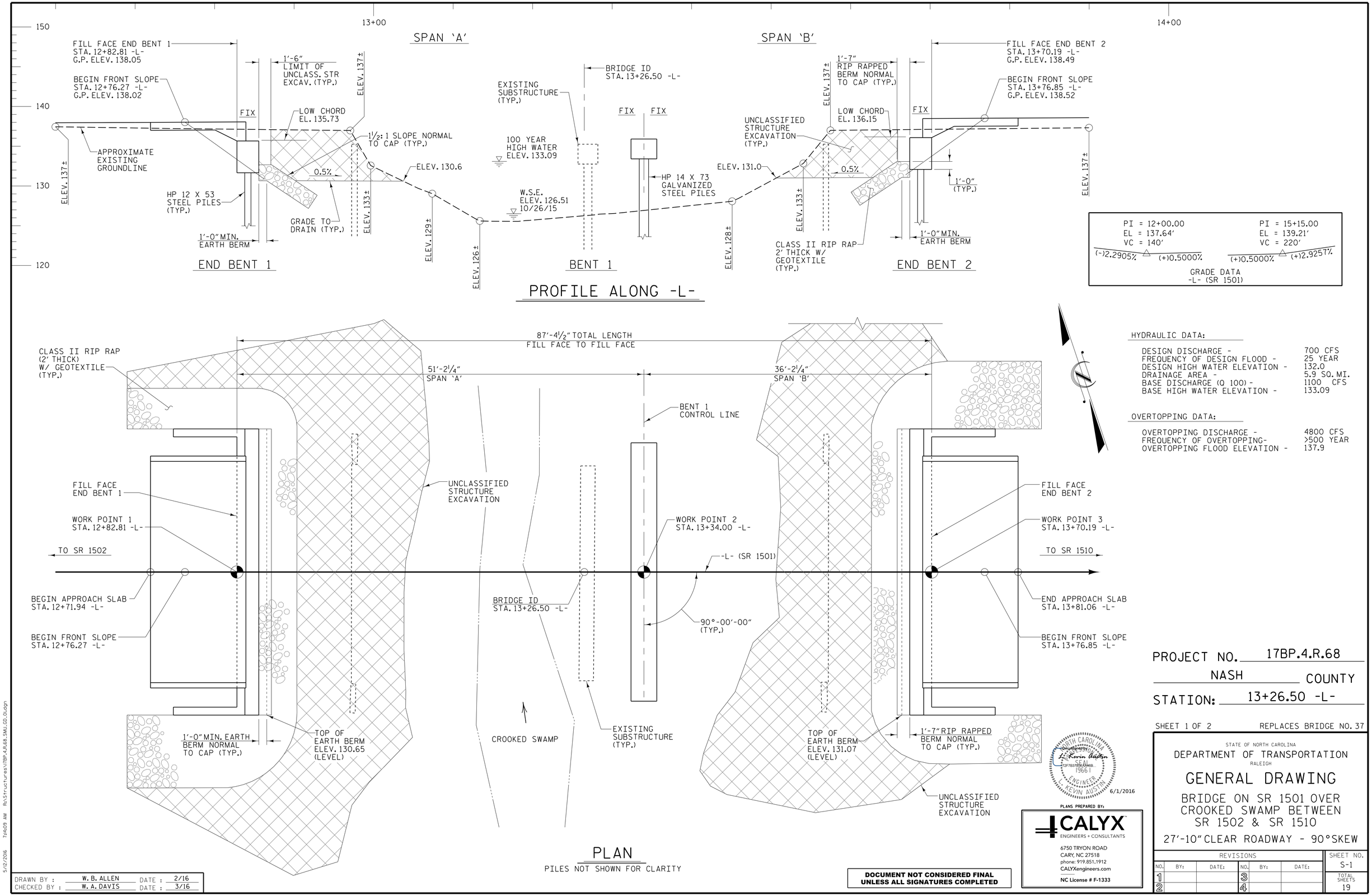
DocuSign Envelope ID: 3B4C852E-16C7-44ED-9A9A-FCEF0D499747



HYDRAULIC DATA:

DESIGN DISCHARGE -	700 CFS
FREQUENCY OF DESIGN FLOOD -	25 YEAR
DESIGN HIGH WATER ELEVATION -	132.0
DRAINAGE AREA -	5.9 SQ. MI.
BASE DISCHARGE (Q 100) -	1100 CFS
BASE HIGH WATER ELEVATION -	133.09

OVERTOPPING DATA:

OVERTOPPING DISCHARGE -	4800 CFS
FREQUENCY OF OVERTOPPING-	>500 YEAR
OVERTOPPING FLOOD ELEVATION -	137.9

PROJECT NO. 17BP.4.R.68

NASH COUNTY

STATION: 13+26.50 -L-

SHEET 1 OF 2 REPLACES BRIDGE NO. 37

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

BRIDGE ON SR 1501 OVER
CROOKED SWAMP BETWEEN
SR 1502 & SR 1510

27'-10" CLEAR ROADWAY - 90° SKEW

NORTH CAROLINA PROFESSIONAL SEAL 19661 ENGINEER L. KEVIN AUSTIN
6/1/2016

PLANS PREPARED BY:

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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-1
1			3			TOTAL SHEETS
2			4			19

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DRAWN BY :	W. B. ALLEN	DATE :	2/16
CHECKED BY :	W. A. DAVIS	DATE :	3/16

5/2/2016 7:49:09 AM R:\Structures\17BP.4.R.68_SMU_CD_01.dgn