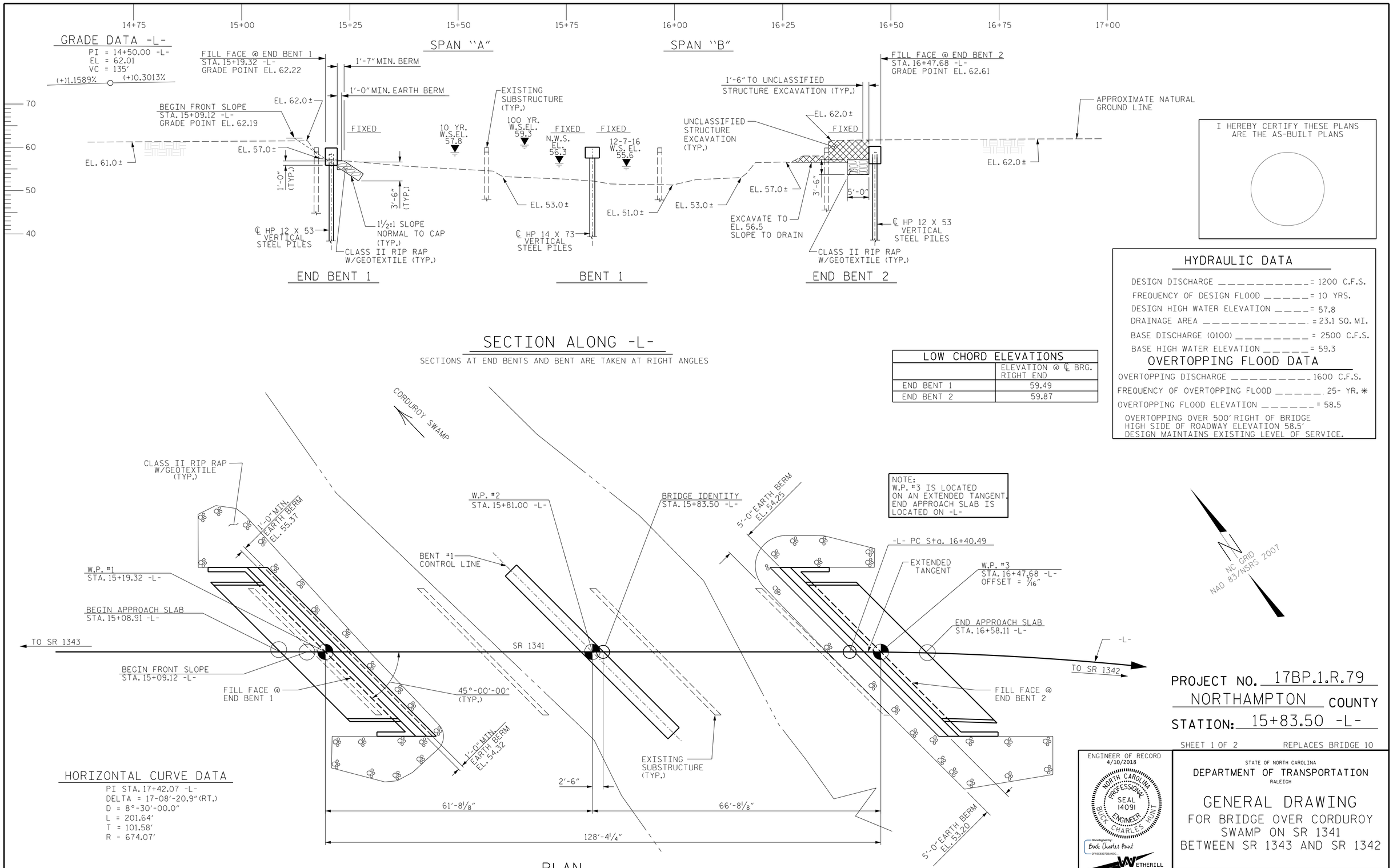
DocuSign Envelope ID: 85A5664C-570F-47C7-8C38-D5CF185A29D5



NOTE:
W.P. #3 IS LOCATED ON AN EXTENDED TANGENT. END APPROACH SLAB IS LOCATED ON -L-

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

HYDRAULIC DATA

DESIGN DISCHARGE _____ = 1200 C.F.S.
FREQUENCY OF DESIGN FLOOD _____ = 10 YRS.
DESIGN HIGH WATER ELEVATION _____ = 57.8
DRAINAGE AREA _____ = 23.1 SQ. MI.
BASE DISCHARGE (Q100) _____ = 2500 C.F.S.
BASE HIGH WATER ELEVATION _____ = 59.3

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE _____ 1600 C.F.S.
FREQUENCY OF OVERTOPPING FLOOD _____ 25- YR. *
OVERTOPPING FLOOD ELEVATION _____ = 58.5

OVERTOPPING OVER 500' RIGHT OF BRIDGE
HIGH SIDE OF ROADWAY ELEVATION 58.5'
DESIGN MAINTAINS EXISTING LEVEL OF SERVICE.

LOW CHORD ELEVATIONS	
	ELEVATION @ ℄ BRG. RIGHT END
END BENT 1	59.49
END BENT 2	59.87

HORIZONTAL CURVE DATA

PI STA. 17+42.07 -L-
DELTA = 17-08'-20.9" (RT.)
D = 8°-30'-00.0"
L = 201.64'
T = 101.58'
R - 674.07'

PROJECT NO. 17BP.1.R.79
NORTHAMPTON COUNTY
STATION: 15+83.50 -L-

SHEET 1 OF 2 REPLACES BRIDGE 10

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
FOR BRIDGE OVER CORDUROY SWAMP ON SR 1341 BETWEEN SR 1343 AND SR 1342

ENGINEER OF RECORD
4/10/2018
NORTH CAROLINA PROFESSIONAL SEAL 14091 ENGINEER BUCK CHARLES HUNT
DocuSigned by: Buck Charles Hunt
2F15C8587 3BA4EC...

WETHERILL ENGINEERING
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
Bus: 919 851 8077
Fax: 919 851 8107
LICENSE NO. F-0377

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 : J. PENDERGRAFT DATE : 6-17
CHECKED BY : B.C. HUNT DATE : 6-17

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