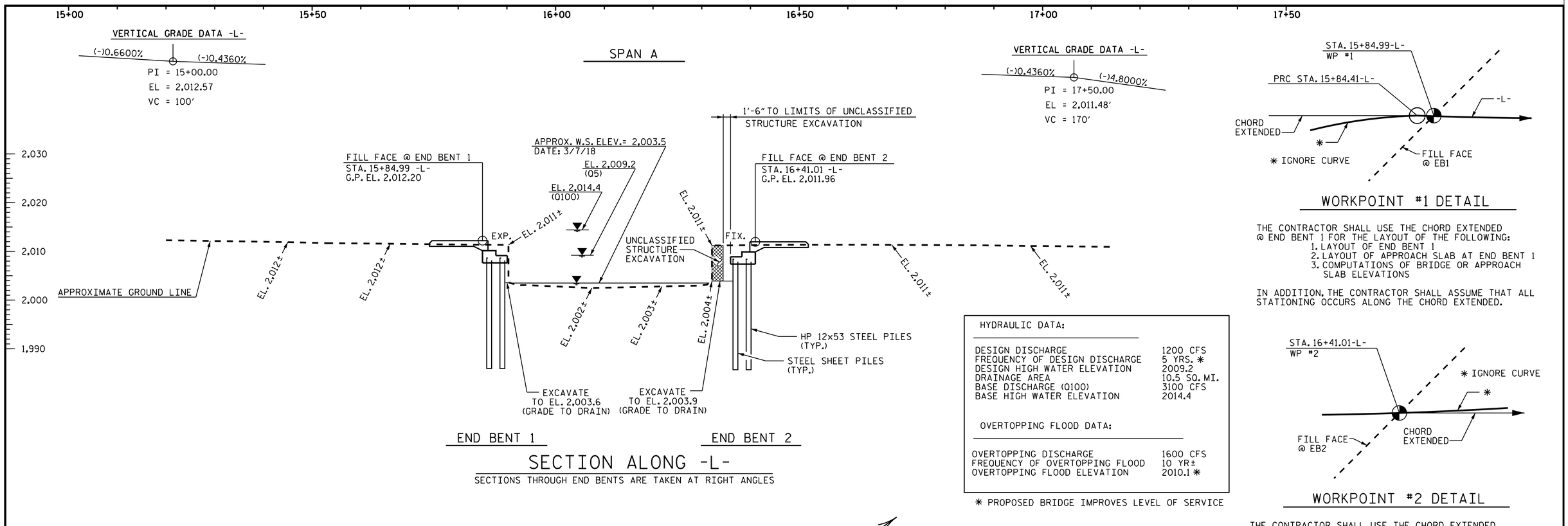
DocuSign Envelope ID: B92851C4-C4F7-4275-91BB-703E12BB1D00



HYDRAULIC DATA:	
DESIGN DISCHARGE	1200 CFS
FREQUENCY OF DESIGN DISCHARGE	5 YRS. ✱
DESIGN HIGH WATER ELEVATION	2009.2
DRAINAGE AREA	10.5 SQ. MI.
BASE DISCHARGE (Q100)	3100 CFS
BASE HIGH WATER ELEVATION	2014.4
OVERTOPPING FLOOD DATA:	
OVERTOPPING DISCHARGE	1600 CFS
FREQUENCY OF OVERTOPPING FLOOD	10 YR±
OVERTOPPING FLOOD ELEVATION	2010.1 ✱

✱ PROPOSED BRIDGE IMPROVES LEVEL OF SERVICE

LOW CHORD ELEVATIONS	
EB1: 2,008.66	EB2: 2,008.44

-L- CURVE DATA
PI Sta 16+84.53
Δ = 13° 26' 08.9" (LT)
D = 6° 44' 26.4"
L = 199.32'
T = 100.12'
R = 850.00'

-L- CURVE DATA
PI Sta 15+51.08
Δ = 39° 53' 37.4" (RT)
D = 57° 17' 44.8"
L = 69.63'
T = 36.29'
R = 100.00'

PROJECT NO. 17BP.14.R.211
MACON COUNTY
STATION: 16+13.00-L-

SHEET 1 OF 4 REPLACES BR. NO. 550079

NORTH CAROLINA PROFESSIONAL SEAL 20125 ENGINEER Marshall Gray Cheeks, Jr.
DocuSigned by: Marshall Gray Cheeks, Jr. 5FBCC2F3A4DC413...
2/22/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
804-C N. LAFAYETTE ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
FOR BRIDGE OVER
TELLICO CREEK
ON SR 1369
BETWEEN SR 1368 AND SR 1367

REVISIONS							
NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO.	S-1
1			3			TOTAL SHEETS	43
2			4				

DRAWN BY :	CCC	DATE :	1/19
CHECKED BY :	MGC	DATE :	7/19
DESIGN ENGINEER OF RECORD :	MGC	DATE :	7/19