

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

HYDRAULIC DATA:

DESIGN DISCHARGE	6900 CFS
FREQUENCY OF DESIGN FLOOD	25 YRS.
DESIGN HIGH WATER ELEVATION	664.4
DRAINAGE AREA	67.7 SQ. MI.
BASE DISCHARGE	9500 CFS
FREQUENCY OF BASE DISCHARGE	100 YRS.
BASE HIGH WATER ELEVATION	666.6

OVERTOPPING FLOOD DATA:

OVERTOPPING DISCHARGE	14400+ CFS*
FREQUENCY OF OVERTOPPING FLOOD	500+ YRS.*
OVERTOPPING FLOOD ELEVATION	692.6' **

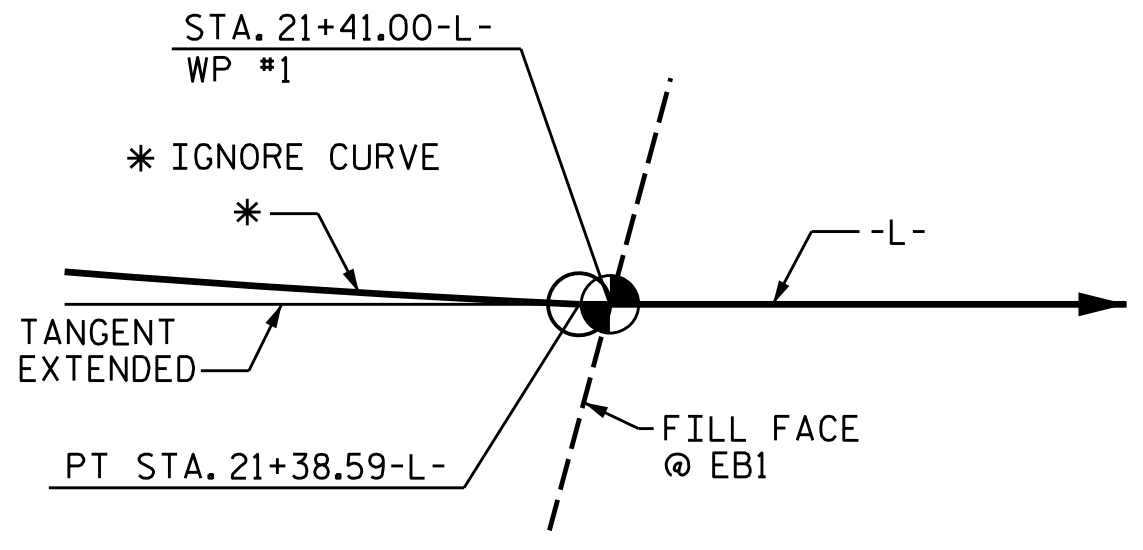
* OVERTOPPING EXCEEDS 500 YR EVENT.
** OVERTOPPING ELEVATION REPRESENTS LOWEST HIGH POINT ON DECK/ROADWAY IN HEC-RAS MODEL, WHICH OCCURS @ STA. 20+82.00-L-

HORIZONTAL CURVE DATA -L-

PI = 17+72.16	PI = 24+76.81
$\Delta = 36^\circ 34' 52.4''$ (LT.)	$\Delta = 7^\circ 09' 04.0''$ (LT.)
D = 4°48'53.2"	D = 4°48'53.2"
L = 759.77'	L = 148.52'
T = 393.34'	T = 74.36'
R = 1,190.00'	R = 1,190.00'

LOW CHORD ELEVATION

EB1	685.79	EB2	689.23'
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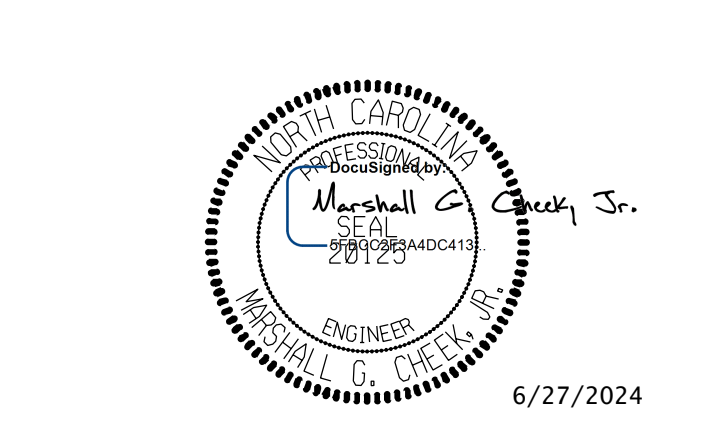
WORKPOINT #1 DETAIL

THE CONTRACTOR SHALL USE THE TANGENT EXTENDED @ END BENT 1 FOR THE LAYOUT OF THE FOLLOWING:

- LAYOUT OF APPROACH SLAB AT END BENT 1
- COMPUTATIONS OF APPROACH SLAB ELEVATIONS

IN ADDITION, THE CONTRACTOR SHALL ASSUME THAT ALL STATIONING OCCURS ALONG THE TANGENT EXTENDED.

PROJECT NO. B-5845
 CLEVELAND COUNTY
 STATION: 22+56.00-L-
 SHEET 1 OF 5 REPLACES BRIDGE 220025



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
GENERAL DRAWING
 FOR BRIDGE OVER
 BUFFALO CREEK
 ON SR 2033 BETWEEN
 SR 2047 AND SR 2044

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
 201 W. MARION ST STE 200
 SHELBY, NC 28150
 PH (704) 476-0003
 CORP. LICENSE NO.: C-0275

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-1
1			3			TOTAL SHEETS
2			4			40

DRAWN BY : NMW DATE : 2/21
 CHECKED BY : MGC DATE : 11/22

PLAN
 PILES NOT SHOWN IN PLAN VIEW.