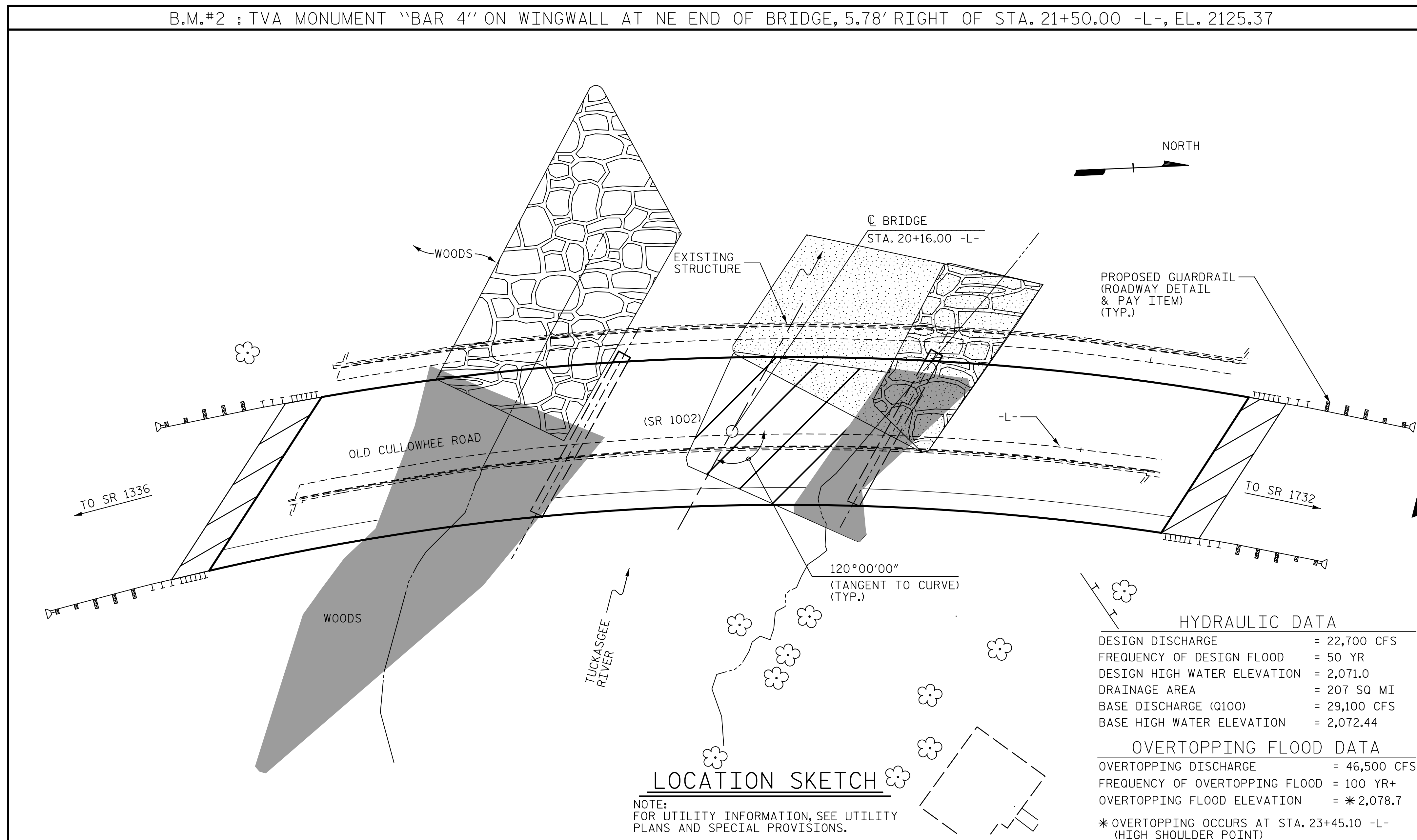


B.M.#2 : TVA MONUMENT "BAR 4" ON WINGWALL AT NE END OF BRIDGE, 5.78' RIGHT OF STA. 21+50.00 -L-, EL. 2125.37



**HYDRAULIC DATA**

DESIGN DISCHARGE	= 22,700 CFS
FREQUENCY OF DESIGN FLOOD	= 50 YR
DESIGN HIGH WATER ELEVATION	= 2,071.0
DRAINAGE AREA	= 207 SQ MI
BASE DISCHARGE (Q100)	= 29,100 CFS
BASE HIGH WATER ELEVATION	= 2,072.44

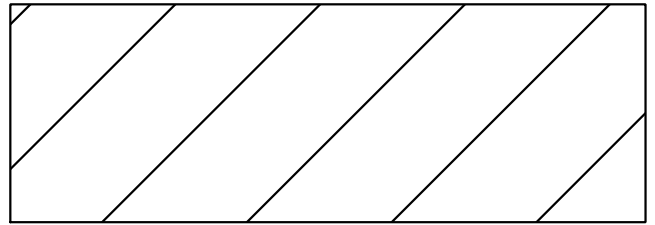
**OVERTOPPING FLOOD DATA**


OVERTOPPING DISCHARGE	= 46,500 CFS
FREQUENCY OF OVERTOPPING FLOOD	= 100 YR+
OVERTOPPING FLOOD ELEVATION	= * 2,078.7

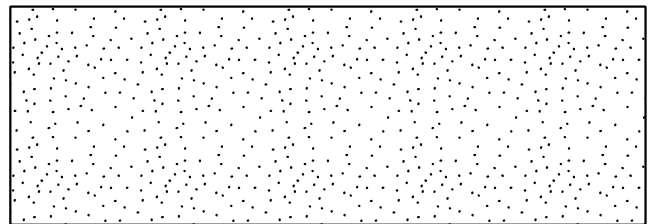
\* OVERTOPPING OCCURS AT STA. 23+45.10 -L- (HIGH SHOULDER POINT)

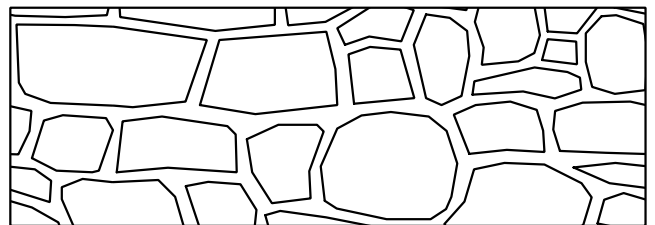
**LOCATION SKETCH**

NOTE:  
FOR UTILITY INFORMATION, SEE UTILITY  
PLANS AND SPECIAL PROVISIONS.

TEMP. WORK PAD PHASE 1A 

TEMP. WORK PAD PHASE 1B 

TEMP. WORK PAD PHASE 2A 

TEMP. WORK PAD PHASE 2B 

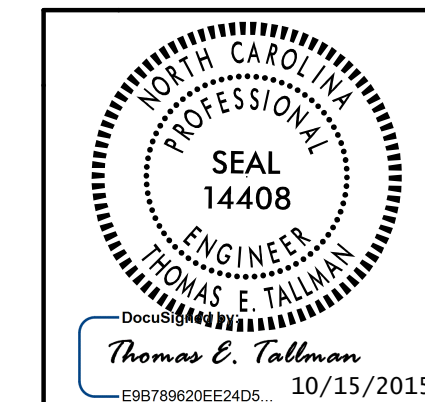
PROJECT NO. B-4159  
JACKSON COUNTY  
 STATION: 20+16.00 -L-  
 SHEET 4 OF 5

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**GENERAL DRAWING**  
 FOR BRIDGE OVER  
 TUCKASEGEE RIVER ON SR 1002  
 BETWEEN SR 1336 AND SR 1732

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

SHEET NO. S-4  
 TOTAL SHEETS 64



10/14/2015 10:41:06 AM \\server\planning\B-4159.scd,ls\_01.dgn ICA Engineering, Inc.

DRAWN BY : D. H. CARTER DATE : SEP 2015  
 CHECKED BY : K. M. MOBLEY DATE : SEP 2015  
 DESIGN ENGINEER OF RECORD: T. E. TALLMAN DATE : OCT 2015