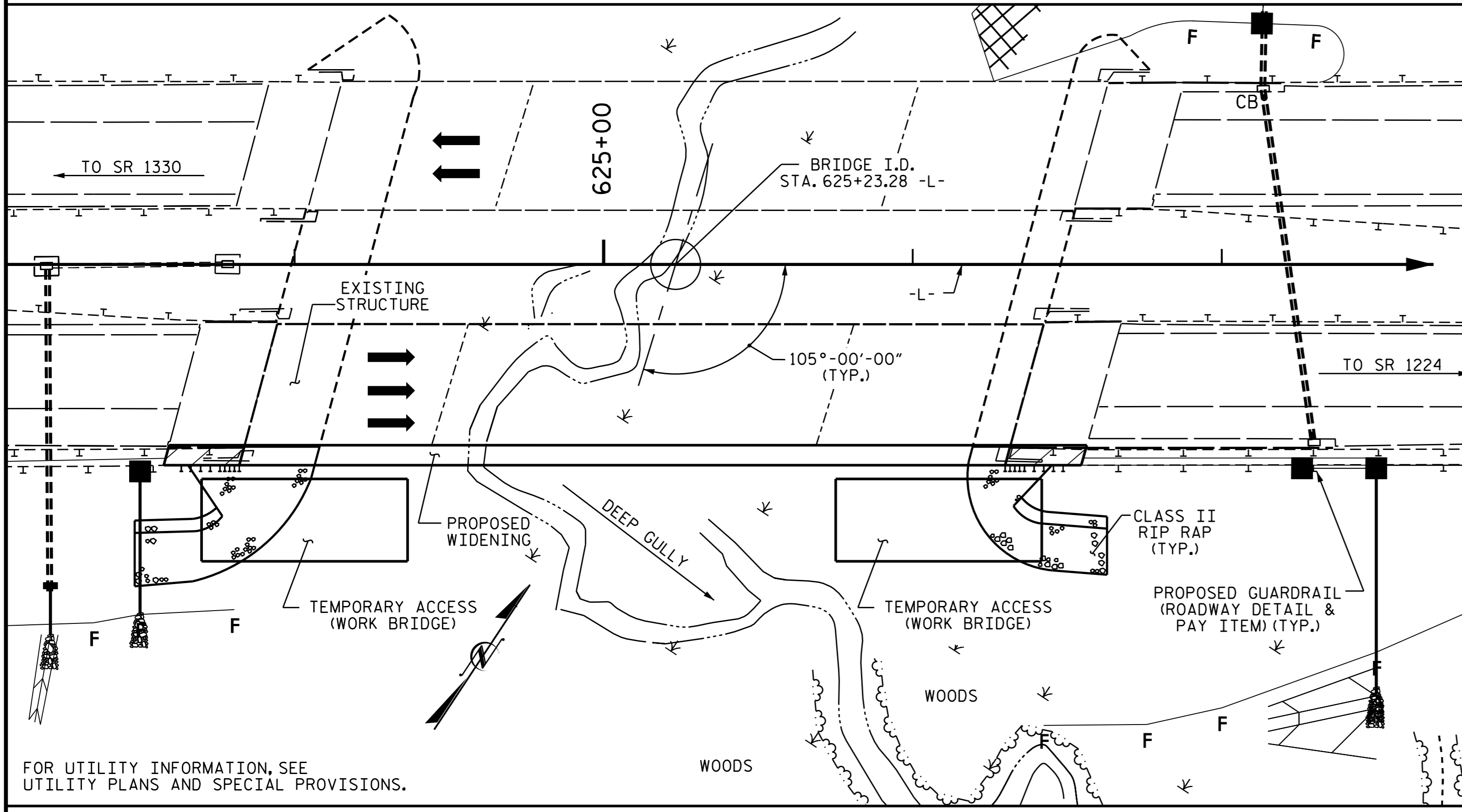


B.M. #32: RAILROAD SPIKE IN 7" PINE, 608+78.00 -L-, 849' LT., ELEV. 36.79', NAVD 88.



LOCATION SKETCH

FOR UTILITY INFORMATION, SEE UTILITY PLANS AND SPECIAL PROVISIONS.

HYDRAULIC DATA

DESIGN DISCHARGE	= 445 C.F.S.
FREQUENCY OF DESIGN FLOOD	= 50 YRS.
DESIGN HIGH WATER ELEVATION	= 20.42'
DRAINAGE AREA	= 1.58 SQ. MI.
BASE DISCHARGE (Q100)	= 565 C.F.S.
BASE HIGH WATER ELEVATION	= 20.88'

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE	= 2825 C.F.S.
FREQUENCY OF OVERTOPPING FLOOD	= 500 YRS. +
OVERTOPPING FLOOD ELEVATION	= 39.09'

NOTES

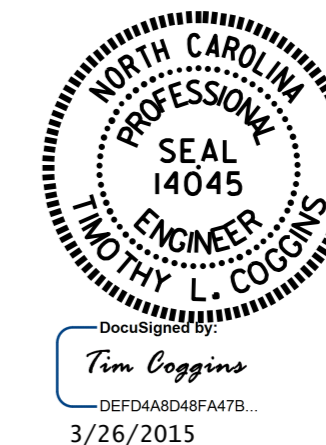
- ASSUMED LIVE LOAD = HS 25 OR ALTERNATE LOADING EXCEPT THE SUBSTRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
- THE SUPERSTRUCTURE OF THIS BRIDGE HAS BEEN DESIGNED BY THE STRENGTH DESIGN METHOD AS SPECIFIED IN THE AASHTO STANDARD SPECIFICATIONS. THE SUBSTRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
- THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.
- FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.
- FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.
- THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH "HEC 18-EVALUATING SCOUR AT BRIDGES."
- FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.
- FOR PLACING LOAD ON STRUCTURE MEMBERS, SEE SPECIAL PROVISIONS.
- NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS OTHERWISE CALLED FOR ON THE PLANS OR APPROVED BY THE ENGINEER.
- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.
- FOR INTERIOR BENT 1 AND BENT 2, ONLY PARTIAL GALVANIZING OF THE PILES IS REQUIRED. SEE INTERIOR BENT SHEET FOR REQUIRED GALVANIZED LENGTHS. PAYMENT FOR PARTIALLY GALVANIZED PILES WILL BE MADE UNDER THE CONTRACT UNIT PRICE FOR GALVANIZED STEEL PILES.
- FOR CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY ACCESS AT STATION 625+23.28 -L-, SEE SPECIAL PROVISIONS.

TOTAL BILL OF MATERIAL

	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMPORARY ACCESS	PDA TESTING	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	MODIFIED 72" PRESTRESSED CONCRETE GIRDERS	HP 12 X 53 STEEL PILES	PP 18 X 0.50 GALVANIZED STEEL PILES	PIPE PILE PLATES	PILE REDRIVES	CONCRETE BARRIER RAIL	RIP RAP CLASS II (2'-0" THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS	ARMORED FOAM JOINT SEALS				
	LUMP SUM	EA.	SO. FT.	SO. FT.	CU. YDS.	LUMP SUM	LBS.	NO.	LIN. FT.	NO.	LIN. FT.	NO.	LIN. FT.	EA.	EA.	LIN. FT.	TONS	SO. YDS.	LUMP SUM	LUMP SUM	
SUPERSTRUCTURE			2,183	1,673		LUMP SUM		3	244.73				247.63						LUMP SUM	LUMP SUM	
INTEGRAL END BENT #1					6.5		1,333		2	120		2		25	28				LUMP SUM	LUMP SUM	
BENT #1					3.6		824			2	120	2	2								
BENT #2					3.6		824			2	130	2	2								
INTEGRAL END BENT #2					6.4		1,319		2	130		2		20	22						
TOTAL	LUMP SUM	2	2,183	1,673	20.1	LUMP SUM	4,300	3	244.73	4	250	4	250	4	8	247.63	45	50	LUMP SUM	LUMP SUM	

PROJECT NO. R-2514D  
 JONES & CRAVEN COUNTY  
 STATION: 625+23.28 -L-

SHEET 3 OF 3



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 GENERAL DRAWING  
 FOR WIDENING OF  
 BRIDGE OVER DEEP GULLY  
 ON US 17  
 BETWEEN SR 1330 AND SR 1224

DRAWN BY : D. G. ELY DATE : 1/27/15  
 CHECKED BY : B. N. BAROADAWALA DATE : 1/27/15  
 DESIGN ENGINEER OF RECORD: K. P. SEDAII DATE : 02/2015

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S18-003
1			3			TOTAL SHEETS
2			4			39