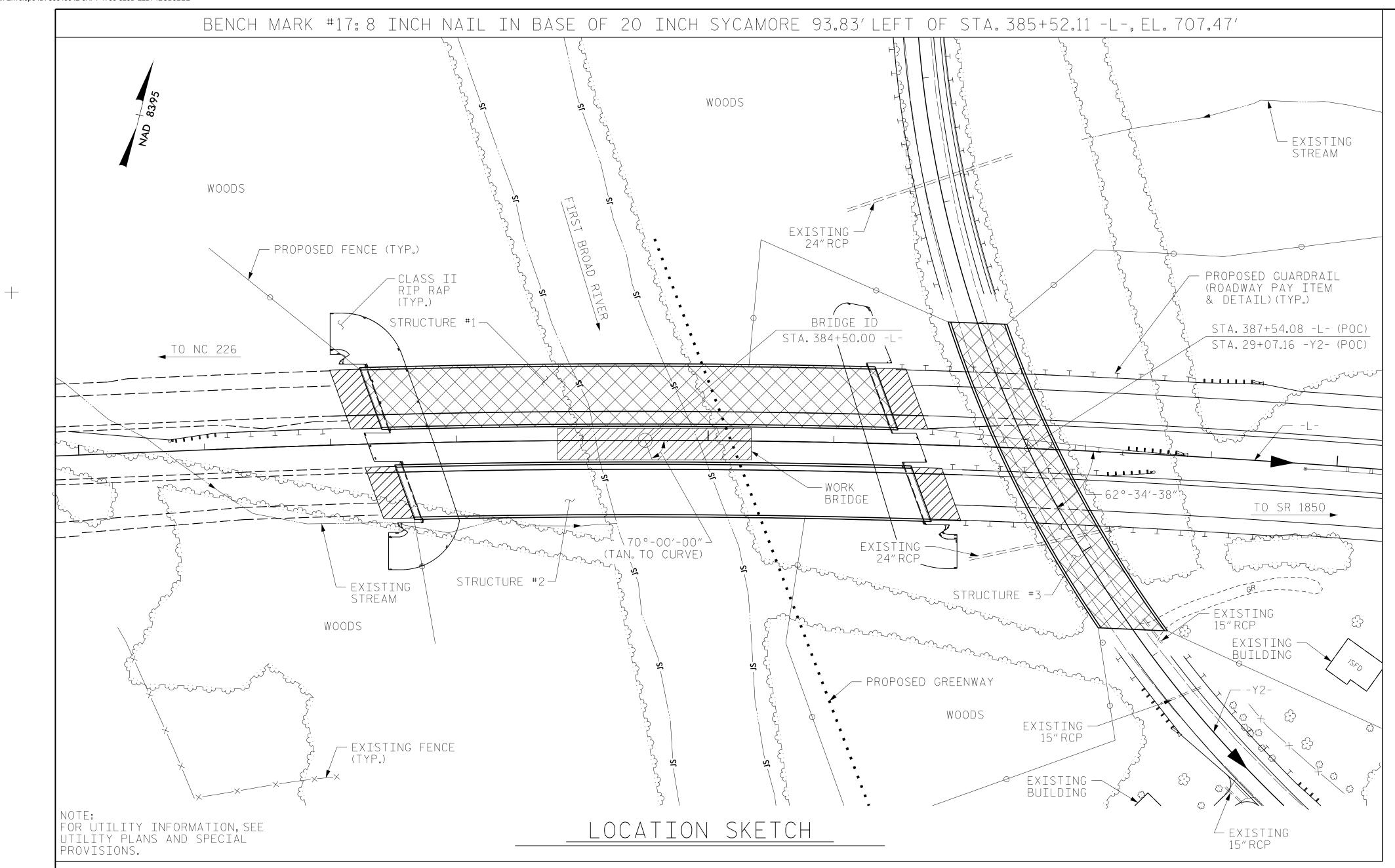
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	CONSTRUCTION, MAINTENANCE & REMOVAL OF TEMP.ACCESS AT STA.384+50.00 -L-	UNCLASSIFIED STRUCTURE EXCAVATION	DRILLED	4'-6"Ø DRILLED PIER NOT IN SOIL	PERMANENT STEEL CASING FOR 4'-6"DIA. DRILLED PIER	CSL TESTING	REINFORCED CONCRETE DECK SLAB	BRIDGE	CLASS CONCRE	TELAPPR	EDGE Roach ABS	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	PRE C	MODIFIED ESTRESSED ONCRETE GIRDERS	PILE EXCAVATION IN SOIL	PILE EXCAVATIC NOT IN SO
	LUMP SUM	LUMP SUM	LIN. FT.	LIN.FT.	LIN.FT.	EACH	SQ.FT.	SQ.FT.	CU.YD	S. LUMP	° SUM	LBS.	APPROX.LBS.	NO.	LIN.FT.	LIN.FT.	LIN.FT.
SUPERSTRUCTURE							17,661	16,827		LUMP	° SUM			12	1,621.85		
END BENT No.1									47.5			8,647					
BENT No.1			85.0	27.0	54.0				62.5			20,079	4,601				
BENT No.2			76.0	27.0	54.0				64.1			19,678	4,478				
END BENT No.2		LUMP SUM							47.2			8,619				77	33
TOTAL	LUMP SUM	LUMP SUM	161	54	108	2	17,661	16,827	221.3	3 LUMP	° SUM	57,023	9,079	12	1,621.85	77	33
								HP 12×53 Steel Pil	3 FS PI		QUIPME	E DRIVING NT SETUP FO 3 STEEL PILE		CL	RIP RAP LASS II -0"THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMER BEARINGS
								NO. LIN.F	T. EA	АСН		EACH	LIN.FT.		TONS	SQ.YDS.	LUMP SUM
						SUPER	STRUCTURE						816.7				LUMP SUN
						END [BENT No.1	11 440	1	11		11			500	550	
						BEI	NT No.1										
						BEN	NT No.2										
						end e	BENT No.2	11 165		11		11			450	500	
	PDSDAT	E: <u>11/2016</u>					FOTAL	22 605		22		22	816.7		950	1,050	LUMP SUN

DESIGN ENGINEER OF RECORD: ______MAL ____DATE : 11/2016_ 4/6/2017 X:\P\1031709001 R-2707C Bridges\Structures\Working DGN\402_007_R2707C_SMU_GD04_S2-4.dgn leblancm

NOTES:

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

FOR PLACING LOAD ON STRUCTURES, SEE SPECIAL PROVISIONS.

THE CLASS AA CONCRETE IN THE BRIDGE DECK SHALL CONTAIN FLY ASH OR GROUND GRANULATED BLAST FURNACE SLAG AT THE SUBSTITUTION RATE SPECIFIED IN ARTICLE 1024-1 AND IN ACCORDANCE WITH ARTICLES 1024-5 AND 1024-6 OF THE STANDARD SPECIFICATIONS. NO PAYMENT WILL BE MADE FOR THIS SUBSTITUTION AS IT IS CONSIDERED INCIDENTAL TO THE COST OF THE REINFORCED CONCRETE DECK SLAB.

SCOUR AT BRIDGES."

THE SCOUR CRITICAL ELEVATION FOR BENT NO.1 AND NO.2 IS ELEVATION 679.SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE SCOUR PROBLEMS DURING THE LIFE OF THE STRUCTURE.

THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA ON GENERAL DRAWING SHEET 1 OF 4 SHALL BE EXCAVATED FOR A DISTANCE OF 23 FT LEFT AND 70 FT RIGHT OF RIGHT LANE GRADE LINE AT END BENT 2 AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR UNCLASSIFIED STRUCTURE EXCAVATION. SEE SECTION 412 OF THE STANDARD SPECIFICATIONS.

PROVISIONS.

)OCUMENT NOT CO FINAL UNLESS SIGNATURES COM

ASSUMED LIVE LOAD = HL 93 OR ALTERNATE LOADING.

THIS BRIDGE 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 FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

REMOVABLE FORMS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.

NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS OTHERWISE CALLED FOR ON THE PLANS OR APPROVED BY THE ENGINEER.

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH ``HEC 18 - EVALUATING

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

THE CONTRACTOR WILL BE REQUIRED TO CONSTRUCT, MAINTAIN AND AFTERWARDS REMOVE THE TEMPORARY ACCESS AT STATION 384+50.00 -L- FOR USE DURING CONSTRUCTION OF THE PROPOSED STRUCTURE.

FOR CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY ACCESS, SEE SPECIAL

FOR 74" MODIFIED PRESTRESSED CONCRETE GIRDERS, SEE SPECIAL PROVISIONS.

	HYDRAULIC	DATA								
DESIGN HI DRAINAGE BASE DISC	Y OF DESIGN FLOOD Igh water elevation	= = = =	20,200 CF 50 YRS 716.2 226 SQ.M 23,400 CF 717.69	11.						
$\bigcirc \setminus$	/ERTOPPING FL	LOOD D,	АТА							
FREQUENC	ING DISCHARGE Y OF OVERTOPPING FL ING FLOOD ELEVATIO	_OOD =	>31,700 C >500 YRS 733.80	CFS 5+						
				34+50						
	SHEET 4 OF 4									
	Docusioned by: Bustin Kastasan	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH								
	GENERAL DRAWING									
	4/7/2017	RIGHŢ	LANE	BRIDGE	OVER	FIRST				
	RS&H	BH SH	ROAD R ELBY E NC 226	IVER (Bypass And S)n us betwe SR 1850	(4 EN)				
	RS&H Architects-Engineers-Planners, Inc.		REVISIONS							
NSIDERED	8601 Six Forks Road, Suite 260 Raleigh, NC 27615	NO. BY:	DATE:	NO. BY:	DATE:	S2-4				
S ALL	919-926-4100 FAX 919-846-9080 www.rsandh.com	1		3		TOTAL SHEETS				
MPLETED	North Carolina License Nos. 50073 * F-0493 * C-28	2		A		36				