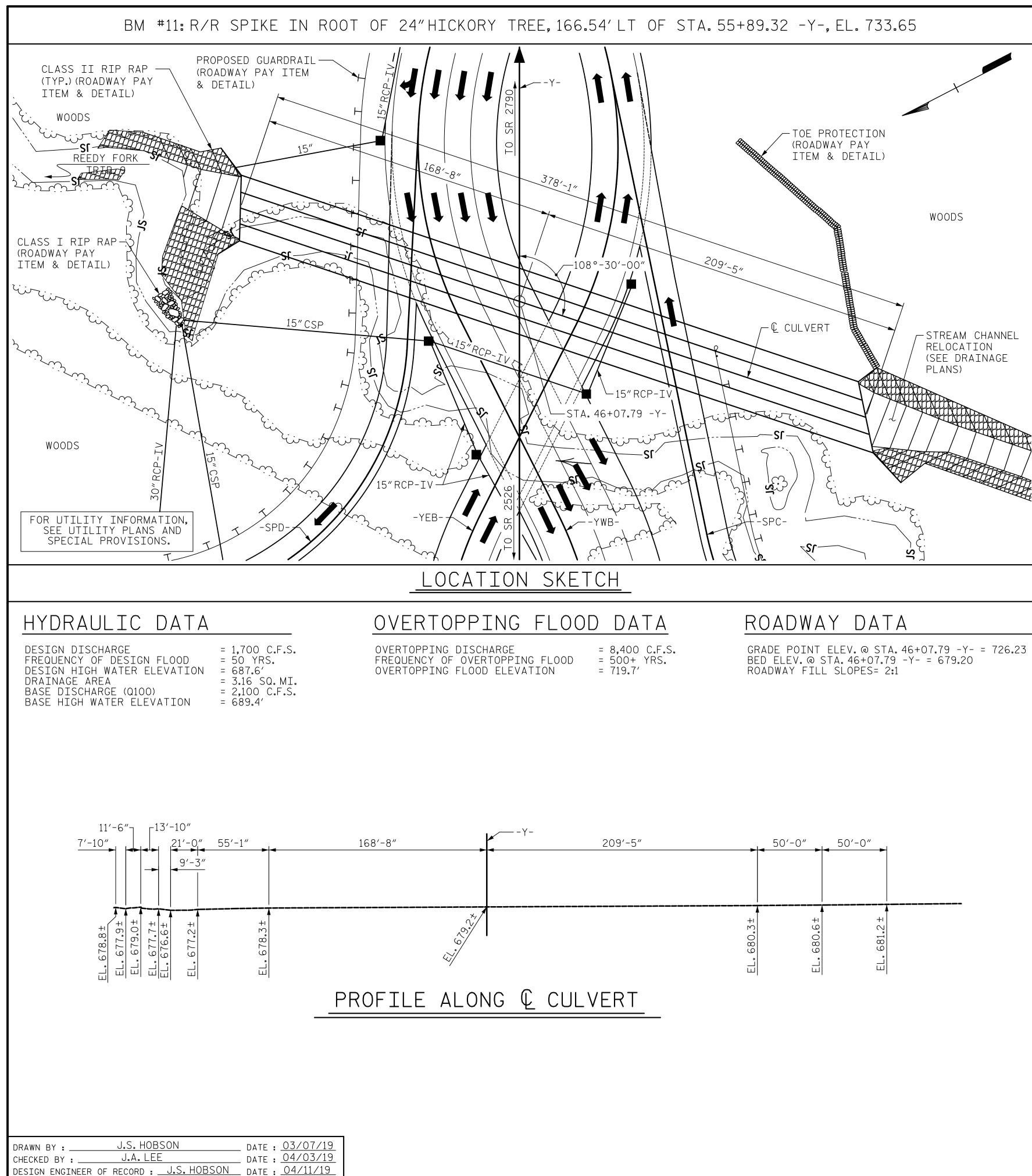
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ASSUMED	LIVE	LOAD	 HL-93	OR	ALT
LOADING.					

MAX.DESIGN FILL----- 37.99 FT.

MIN. DESIGN FILL----- 33.57 FT.

FOR OTHER DESIGN DATA AND NOTES SEE STANDARD NOTE SHEET.

3" Ø WEEP HOLES INDICATED TO BE IN ACCORDANCE WITH THE SPECIFICATIONS.

CONCRETE IN CULVERTS TO BE POURED IN THE FOLLOWING ORDER:

- 1. WING FOOTINGS AND FLOOR SLAB INCLUDING 4" OF ALL VERTICAL WALLS.
- 2. THE REMAINING PORTIONS OF THE WALLS AND WINGS FULL HEIGHT.
- 3. ROOF SLAB INCLUDING REMAINING PORTION OF WALLS AND HEADWALL.

THE RESIDENT ENGINEER SHALL CHECK THE LENGTH OF CULVERT BEFORE STAKING IT OUT TO MAKE CERTAIN THAT IT WILL PROPERLY TAKE CARE OF THE FILL.

DIMENSIONS FOR WING LAYOUT AS WELL AS ADDITIONAL REINFORCING STEEL EMBEDDED IN BARREL ARE SHOWN ON WING SHEET.

STEEL IN THE BOTTOM SLAB MAY BE SPLICED AT THE PERMITTED CONSTRUCTION JOINT AT THE CONTRACTOR'S OPTION. EXTRA WEIGHT OF STEEL DUE TO SPLICES WILL BE PAID FOR BY THE CONTRACTOR.

			TEC
TOTAL STRUC	IURE QI	JANIII	TF2
CLASS A CONCRETE			
BARREL @ <u>7.109</u>	CY/FT	2,668.2	_C.Y.
WING ETC	46.4		C.Y.
TOTAL	2,714.7		C.Y.
REINFORCING STEEL			
BARREL	334,072		LBS.
WINGS ETC	3,298		_LBS.
TOTAL	337,370		_LBS.
CULVERT EXCAVATION	۱	LL	IMP SUM
FOUNDATION COND.MA	ΔΤΊL	1,(D67 TONS

TERNATE

TRANSVERSE CONSTRUCTION JOINTS SHALL BE USED IN THE BARREL, SPACED TO LIMIT THE POURS TO A MAXIMUM OF 70 FT.LOCATION OF JOINTS SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.

A 3 FOOT STRIP OF FILTER FABRIC SHALL BE ATTACHED TO THE FILL FACE OF THE WING COVERING THE ENTIRE LENGTH OF THE EXPANSION JOINT.

AT THE CONTRACTOR'S OPTION, HE MAY SPLICE THE VERTICAL REINFORCING STEEL IN THE INTERIOR FACE OF EXTERIOR WALLS AND BOTH FACES OF INTERIOR WALLS ABOVE LOWER WALL CONSTRUCTION JOINT. THE SPLICE LENGTH SHALL BE AS PROVIDED IN THE SPLICE LENGTH CHART SHOWN ON THE PLANS. EXTRA WEIGHT OF STEEL DUE TO THE SPLICES SHALL BE PAID FOR BY THE CONTRACTOR.

EXCAVATE A MINIMUM OF 1 FOOT BELOW CULVERT BEARING ELEVATION AND REPLACE WITH FOUNDATION CONDITIONING MATERIAL PER SECTION 414 OF THE STANDARD SPECIFICATIONS.

UNDERCUT ANY SOFT/LOOSE ALLUVIAL SOILS THAT MAY BE ENCOUNTERED BENEATH THE BOTTOM OF THE FOUNDATION CONDITIONING MATERIAL.BACKFILL UNDERCUT AREAS WITH FOUNDATION CONDITIONING MATERIAL (SELECT MATERIAL CLASS VI; NO. 57 STONE). INCLUDE 600 CUBIC YARDS OF UNDERCUT AND 875 TONS OF FOUNDATION CONDITIONING MATERIAL AS CONTINGENCY ITEMS IN THE CONTRACT.

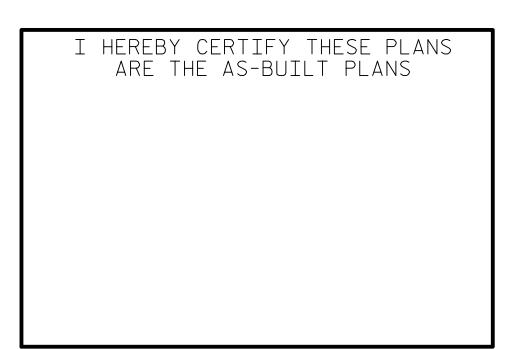
NO PRECAST REINFORCED BOX CULVERT OPTION WILL BE ALLOWED.

DETAILED DRAWINGS FOR FALSEWORK AND FORMS FOR THIS BOX CULVERT SHALL BE SUBMITTED. SEE SHEET SN. FOR CULVERT DIVERSION DETAILS AND PAY ITEMS, SEE EROSION CONTROL PLANS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

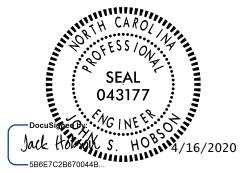
FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS. FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.





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PROJECT NO. <u>R-4707</u> <u>GUILFORD</u> COUNTY							
STATION: 46+07.79 -Y-							
SHEET 1 OF 9 CULVERT NO. 1285							
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH 8 FT. X 10 FT. REINFORCED CONCRETE BOX CULVERT							
	SHEET NO.						
NO. BY:	DATE:	NO. BY:	DATE:	C2-01			
1 2		3 4		total sheets 9			