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UCTURE	QUANTITIE	S
ATION	LUMP SUM	
NDITIONING	<u>644</u> TON	S
ETE 507 CY/FT	1,001.2 C.Y 21.4 C.Y <u>3.0</u> C.Y 1,025.6 C.Y	•
TEEL	<u>78,974</u> LBS 1,321_LBS	
	80 <b>,</b> 295 LBS	•

FOR OTHER DESIGN DATA AND NOTES, SEE STANDARD NOTES 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

HEIGHT FOLLOWED BY ROOF SLAB AND HEADWALLS.

2. THE REMAINING PORTIONS OF THE WALLS AND WINGS FULL 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.

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

AT THE CONTRACTOR'S OPTION, HE MAY SPLICE THE VERTICAL REINFORCING STEEL IN THE INTERIOR FACE OF EXTERIOR 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. NO PRECAST REINFORCED BOX CULVERT OPTION WILL BE ALLOWED. FOR CULVERT DIVERSION DETAILS AND PAY ITEM, SEE EROSION CONTROL PLANS. FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS. FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS. FOR CRANE SAFETY, SEE SPECIAL PROVISIONS. FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS. FOR CULVERT EXCAVATION, SEE SECTION 414 OF THE STANDARD SPECIFICATIONS.

THE REINFORCED CONCRETE BOX CULVERT SHALL BE PLACED ON THE STANDARD 1.0 FOOT BLANKET OF FOUNDATION CONDITIONING MATERIAL.

THE REQUIRED BEARING CAPACITY AT THE BASE OF THE CULVERT IS 3 TSF. THE REQUIRED BEARING CAPACITY SHALL BE VERIFIED.

THE CONTRACTOR SHALL PROVIDE INDEPENDENT ASSURANCE SAMPLES OF REINFORCING STEEL AS FOLLOWS: FOR PROJECTS REQUIRING UP TO 400 TONS OF REINFORCING STEEL, ONE 30 INCH SAMPLE OF EACH SIZE BAR USED, AND FOR PROJECTS REQUIRING OVER 400 TONS OF REINFORCING STEEL, TWO 30 INCH SAMPLES OF EACH SIZE BAR USED. THE BARS FROM WHICH THE SAMPLES ARE TAKEN MUST THEN BE SPLICED WITH REPLACEMENT BARS OF THE SIZE AND LENGTH OF THE SAMPLE, PLUS A MINIMUM LAP SPLICE OF THIRTY BAR DIAMETERS. PAYMENT FOR THE SAMPLES OF REINFORCING STEEL SHALL BE CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.

THE REINFORCED CONCRETE BOX CULVERT SHALL BE CONSTRUCTED WITH 6 INCHES OF CAMBER TO ACCOUNT FOR ANTICIPATED SETTLEMENT.

## F. A. PROJECT No.: NHP-0918(062)

DocuSigned by:	PROJECT NO FORSYT STATION: 397	H COUNTY		
	7/27/2017 STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH			
SEAL 20125 DocuSered: G. CHUMAN Marshall B. Ullick Jr 6549D6EBAA3B405 7/27/2017	SINGLE 6 FT.X 7 FT. CONCRETE BOX CULVERT			
	REVISIONS SHEET NO.			
DOCUMENT NOT CONSIDERED	NO. BY: DATE: NO.	BY: DATE: C1-1		
FINAL UNLESS ALL SIGNATURES COMPLETED	1 3	TOTAL SHEETS 5		
	STR.#5			