DRAWN BY : B.E. LANNING

DESIGN ENGINEER OF RECORD : J.I. BREWER

CHECKED BY : J.I. BREWER

DATE: 04/2022

_ DATE : 05/2022

DATE: 09/2022

F.A. PROJ. NO. NHS-0421(072)

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

FOR CULVERT DIVERSION DETAILS AND PAY ITEM, SEE EROSION CONTROL PLANS.

NOTES

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.

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 SAMPLE BARS SHOULD COME FROM STEEL ACTUALLY USED IN THE PROJECT AND THE SAMPLE BARS SHOULD BE REPLACED BY SPLICED BARS AS SPECIFIED IN THE SAMPLE BAR REPLACEMENT CHART. PAYMENT FOR THE SAMPLE BARS AND REPLACEMENT REINFORCING STEEL SHALL BE CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.

#6 9'-8" **#**7 | 10'-10" #8 | 12'-0" FOR SUBMITTAL OF WORKING DRAWINGS. SEE SPECIAL **#**9 | 13'-2" PROVISIONS. **#**10 | 14'-6"

SAMPLE BAR

REPLACEMENT

SIZE|LENGTH

#3 | 6'-2"

#4 | 7'-4"

#5 | 8'-6"

#11 | 15′-10″

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY. SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

EXCAVATE FOUNDATION A MINIMUM OF 12"BELOW CULVERT BEARING ELEVATION. PLACE 12" OF CLASS VI FOUNDATION CONDITIONING MATERIAL IN ACCORDANCE WITH SECTION 414 OF THE STANDARD SPECIFICATIONS.

FOR AREAS WITH NEW FILL BELOW CULVERT BEARING ELEVATION, PLACE A MINIMUM OF 12" OF CLASS VI FOUNDATION CONDITIONING MATERIAL IN ACCORDANCE WITH SECTION 414 OF THE STANDARD SPECIFICATIONS.

AT THE CONTRACTOR'S OPTION, USE ADDITIONAL CLASS VI FOUNDATION CONDITIONING MATERIAL FOR FILL BENEATH FOUNDATION CONDITIONING MATERIAL.

OVEREXCAVATE ADDITIONAL LOOSE/SOFT OR ORGANIC MATERIAL IF PRESENT TO SUITABLE BEARING MATERIALS AND REPLACE WITH ADDITIONAL CLASS VI FOUNDATION CONDITIONING MATERIAL.

TOTAL STRUCT	URE	QUANTI	TIES				
CLASS A CONCRETE							
BARREL @ 2.61	CY/FT_	65.3	C.Y.				
WING ETC		46.9	C.Y.				
TOTAL		112.2	C.Y.				
REINFORCING STEEL							
BARREL		11,582	2LBS.				
WINGS ETC		5,05	2LBS.				
TOTAL		16,63	4LBS.				
CULVERT EXCAVATION -			LUMP SUM				
FOUNDATION CONDITION	VING N	MATERIAL	50 TONS				

U-5312 PROJECT NO. ____ WILKES COUNTY STATION: 179+42.00 -L-

SHEET 1 OF 8 EXTENDS CULVERT NO. 960062

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

RIGHT EXTENSION DOUBLE 11 FT. X 11 FT. CONCRETE BOX CULVERT 42°-54'-00" SKEW

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED FIRM PE NUMBER: P-0671

MI ENGINEERING 11 SCHAUB DRIVE, SUITE 100 RALEIGH, NC 27606 (919) 851-6606

REVISIONS						SHEET NO
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