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L. 3001.93		
ALAD 114	NOTES	
	ASSUMED LIVE LOADHL-93 OR ALTERNATE LOADING.	IF AP As te
	DESIGN FILLMAX. 25.11, MIN. 24.88	
CREEK	FOR OTHER DESIGN DATA AND NOTES SEE STANDARD NOTE SHEET.	THE S
BEAVER C	3"Ø WEEP HOLES INDICATED TO BE IN ACCORDANCE WITH THE SPECIFICATIONS.	
	CONCRETE IN CULVERTS TO BE POURED IN THE FOLLOWING ORDER:	FOR C
	STAGE I	
CLASS I RIP RAP (ROADWAY PAY ITEM AND DETAIL) STAGE II (TYP.)	1. WING 1 FOOTING AND FLOOR SLAB INCLUDING 4" OF VERTICAL WALLS, CURTAIN WALL AND FLOOR SLAB EDGE BEAM TO CONSTRUCTION JOINT OF STAGE I. 2. THE REMAINING PORTIONS OF THE WALLS AND WING 1 FULL HEIGHT.	THE W
NG	STAGE IT	FOR S
RT)	3 WING 2 FOOTING FLOOR SLAB INCLUDING 4" OF VERTICAL WALLS THE	FOR F
(ENSION)	REMAINING PORTIONS OF THE CURTAIN WALL, FLOOR SLAB EDGE BEAM AND	FOR C
X TENO	4. THE ROOF SLAB, HEADWALLS AND EDGE BEAMS FOR STAGE I AND STAGE II.	DIMEN
E	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.	THE C ADDI1 FOR C
	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.	FOR G
	AT THE CONTRACTOR'S OPTION, HE MAY SPLICE THE VERTICAL REINFORCING STEEL IN THE INTERIOR FACE OF EXTERIOR WALL AND BOTH FACES OF INTERIOR WALLS ABOVE LOWER WALL CONSTRUCTION JOINT. THE SPLICE LENGTH	CONTR
	SHALL BE AS PROVIDED IN THE SPLICE LENGTH CHART SHOWN ON THE PLANS. EXTRA WEIGHT OF SIFEL DUE TO THE SPLICES SHALL BE PAID FOR BY THE	FOR D
	CONTRACTOR.	DETAI SHALL
	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 WILL BE PAID FOR BY THE CONTRACTOR.	
	DOWELS SHALL BE USED TO CONNECT THE CULVERT EXTENSION TO THE EXISTING CULVERT AS SHOWN.FOR NOTE REGARDING SETTING OF DOWELS, SEE SHEET SN.	
	THE EXISTING 10'X 8'TRIPLE BARREL REINFORCED CONCRETE BOX CULVERT LOCATED AT THE PROPOSED SITE SHALL BE RETAINED AND EXTENDED TO THE LIMITS SHOWN.	
	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 LAPSPLICE OF THIRTY BAR DIAMETERS PAYMENT FOR THE SAMPLES OF REINFORCING STEEL SHALL BE CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS	' -

TOTAL STRUCTURE	QUANTITIES
CLASS A CONCRETE	
BARREL @ <u>4.873</u> CY/FT	<u> </u>
WINGS ETC	<u>17.8</u> C.Y.
BEVEL ADDITION	4.5 C.Y.
TOTAL	<u> </u>
REINFORCING STEEL	
BARREL	42838 LBS.
WINGS ETC	<u> </u>
BEVEL ADDITION	<u>233</u> LBS.
TOTAL	43845 LBS.
CULVERT EXCAVATION	LUMP SUN
FOUNDATION CONDITIONING	MATERIAL 177 TONS

F.A. PROJECT NO. STP-0221(42)

PROVED BY THE ENGINEER, THE CONTRACTOR MAY USE THE EXISTING WINGS EMPORARY SHORING FOR THE CONSTRUCTION OF THE CULVERT EXTENSIONS. IN CASE, THE BOTTOM SLAB OF THE EXTENSION SHALL BE POURED AT LEAST 72 S PRIOR TO CUTTING THE WINGS. THE WINGS MAY BE CUT EARLIER PROVIDED SLAB CONCRETE STRENGTH HAS REACHED A MINIMUM COMPRESSIVE STRENGTH 500 PSI. PERMITTED CONSTRUCTION JOINT WILL BE ALLOWED IN THE END CURTAIN CULVERT DIVERSION DETAILS AND PAY ITEM, SEE EROSION CONTROL PLANS. FOOT STRIP OF FILTER FABRIC SHALL BE ATTACHED TO THE FILL FACE OF WING COVERING THE ENTIRE LENGTH OF THE EXPANSION JOINT. RECAST REINFORCED BOX CULVERT OPTION WILL BE ALLOWED. SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS. FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS. CRANE SAFETY, SEE SPECIAL PROVISIONS. NSIONS FOR WING LAYOUT AS WELL AS ADDITIONAL REINFORCING STEEL DDED IN BARREL ARE SHOWN ON WING SHEET. CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT A BEVEL TION IS TO BE ADDED TO THE INLET END OF THE EXISTING CULVERT. DETAILS OF THE BEVEL ADDITION, SEE SHEET 5 OF 6. GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS. _IMITS OF TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC, SEE TRAFFIC ROL PLANS.FOR PAY ITEM FOR TEMPORARY SHORING FOR MAINTENANCE OF FIC, SEE ROADWAY PLANS. DOWELS IN BEVEL ADDITION, NO FIELD TESTING REQUIRED. ILED DRAWINGS FOR FALSEWORK AND FORMS FOR THIS CULVERT EXTENSION BE SUBMITTED. SEE SHEET SN. I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS UANTITIES <u>17.8</u> C.Y. <u>4.5 C</u>.Y. PROJECT NO. R-2915D <u>42838</u> LBS. ASHE _ COUNTY 774 LBS. STATION: 660+64.00-L-<u>233</u>LBS. 43845 LBS EXTENDS CULVERT C511 SHEET 1 OF 6 LUMP SUM STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH BARREL STANDARD TRIPLE 10 FT.X 8 FT. CONCRETE BOX CULVERT SEAL 15825 ACINEE? AUGUST 1989 SHEET NO. REVISIONS Bruce Klappenback C-1 DATE: DATE: BY: LON BY: A20079207A944B4... 12/19/2014 TOTAL SHEETS