

## NOTES:

THIS CULVERT HAS BEEN DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. DESIGN FILL-----8.6' 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 FOLLOWED BY ROOF SLAB AND HEADWALLS. 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. AT THE CONTRACTORS OPTION, HE MAY SPLICE THE VERTICAL REINFORCING STEEL IN THE INTERIOR FACE OF EXTERIOR WALL 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. TRANSVERSE CONSTRUCTION JOINTS SHALL BE USED IN THE BARREL, SPACED TO LIMIT THE POURS TO A MAXIMUM OF 70 FEET. LOCATION OF JOINTS SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER. NO PRECAST REINFORCED BOX CULVERT OPTION WILL BE ALLOWED. DOWELS SHALL BE USED TO CONNECT THE CULVERT EXTENSION TO THE EXISTING CULVERT AS SHOWN.FOR NOTE REGARDING SETTING OF DOWELS, SEE SHEET SN. IF APPROVED BY THE ENGINEER, THE CONTRACTOR MAY USE THE EXISTING WINGS AS TEMPORARY SHORING FOR THE CONSTRUCTION OF THE CULVERT EXTENSIONS. IN THIS CASE, THE BOTTOM SLAB OF THE EXTENSION SHALL BE POURED AT LEAST 72 HOURS PRIOR TO THE CUTTING OF THE WINGS. THE WINGS MAY BE CUT EARLIER PROVIDED THE SLAB CONCRETE HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 1500 psi. FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS. FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS. FOR CRANE SAFETY, SEE SPECIAL PROVISIONS. FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS. FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

	PROJECT NO. <u>R-5020B</u>
	COLUMBUSCOUNTY
	STATION: <u>172+34.91 -L-</u>
	SHEET 1 OF 4
	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH
DocuSigned by:	BARREL SINGLE 6 FT.X 8 FT.
	CONCRETE PEDESTRIAN
THE CONTRACTOR	BOX CULVERT EXTENSION
1/27/2020	REVISIONS SHEET NO.
engineers •planners • scientists • construction managers license number: c-0764 KCI Associates of North Carolina, P.A.	NO.         BY:         DATE:         NO.         BY:         DATE:         C - 1           1         3         -         -         -         -         -         -         -         -         1         -         -         -         1         -         -         -         -         -         -         -         -         -         -         1         -         -         -         1         -         -         -         1         -         -         1         -         -         -         1         -         -         -         1         -         -         -         -         -         -         1         -         -         -         1         -         -         -         1         -         -         -         -         -         -         1         -         -         -         1         -         -         1         -         -         -         1         -         -         1         -         -         1         -         -         1         -         1         -         -         1         -         -         1         -         1         -
4505 Falls of Neuse Road, Suite 400 Raleigh, NC 27609-6270 Phone (919) 783-9214	