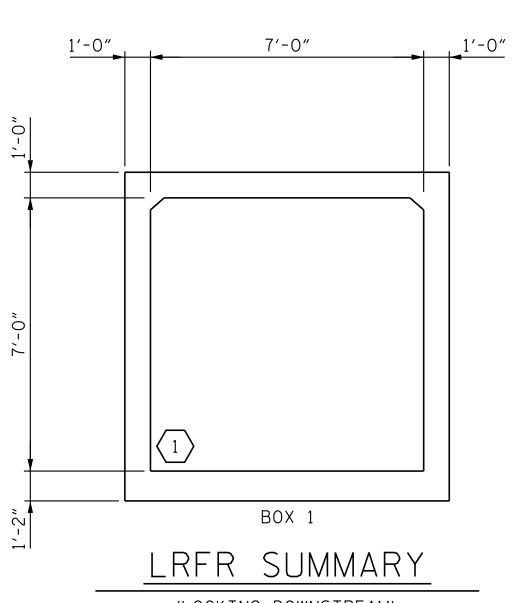
LOAD AND RESISTANCE FACTOR RATING (LRFR) SUMMARY FOR REINFORCED CONCRETE BOX CULVERTS										
					STRENGT	HIL	IMIT	STAT	E	
			MOMENT			SHEAR				
	CONTROLLING LOAD RATING	MINIMUM RATING FACTOR (RF)	RATING FACTOR	BOX NO.	ELEMENT TYPE	DISTANCE FROM LEFT END OF ELEMENT (f+)	RATING FACTOR	BOX NO.	ELEMENT TYPE	DISTANCE FROM LEFT END OF ELEMENT (f+)
PERMANENT LOAD RATING	$\langle 1 \rangle$	1.10	1.33	1	BOTTOM SLAB	0.58	1.10	1	BOTTOM SLAB	0.58



K:\RDT_Structures\_Culvert\NC\011036532 - R-5930 North		
023	ASSEMBLED BY : D.D. LOWER CHECKED BY : C.T. POOLE	CATE : 01/2023 DATE : 01/2023
5/31/2023	DRAWN BY : BNB 6/19 CHECKED BY : THC 6/19	

(LOOKING DOWNSTREAM)

## PERMANENT LOAD FACTORS:

LOAD TYPE	MAX FACTOR	MIN FACTOR	
DC	1.25	0.90	
DW	1.50	0.65	
EV	1.30	0.90	
EH	1.35	0.90	
ES	1.35	0.90	
WA	1.00		

## NOTES:

RATING FACTORS ARE BASED ON THE STRENGTH I LIMIT STATE.

THE EFFECTS OF LIVE LOAD ON DESIGN AND LOAD RATING MAY BE NEGLECTED FOR CULVERTS WITH CERTAIN FILL DEPTHS DESCRIBED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

CULVERTS WITH NEGLIGIBLE LIVE LOAD SHOULD BE LOAD RATED FOR PERMANENT LOADS ONLY IN ACCORDANCE WITH THE AASHTO MANUAL FOR BRIDGE EVALUATION.

	PROJECT NO. <u>R-5930A</u> <u>CHATHAM</u> COUNTY STATION: <u>68+70.00</u> -L-
C/1/2023	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH STANDARD LRFR SUMMARY FOR REINFORCED CONCRETE
Kimley »Horn 421 Fayetteville Street, Suite 600 Raleigh, NC 27601-1772	BOX CULVERTS (DEEP FILLS)
Phone (919) 677-2000 NC LICENSE # F-0102	REVISIONS SHEET NO. NO. BY: DATE: NO. BY: DATE: C2-6
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	CULVERT 42C002 STD.NO.LRFR7