10'-0" (TYP.) BOX 2 BOX 1

LOAD FACTORS:

DESIGN LOAD RATING 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	
LS	1.75		
WA	1.00	-	

NOTE:

RATING FACTORS ARE BASED ON THE STRENGTH I LIMIT STATE.

FILL HEIGHT (27.50') EXCEEDS THE DISTANCE BETWEEN FACES OF END WALLS (20'-8"). DESIGN CONTROLLED BY DEAD LOAD ONLY. SEE AASHTO 3.6.1.2.6

CULVERT LOAD RATED FOR PERMANENT LOAD ONLY.

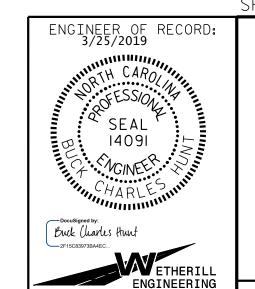
COMMENTS:

1. CALCULATED MOMENT RATING FACTOR EQUALS MOMENT CAPACITY DIVIDED BY DEAD LOAD MOMENT.

2. CALCULATED SHEAR RATING FACTOR EQUALS SHEAR CAPACITY DIVIDED BY DEAD LOAD SHEAR.

PROJECT NO. W-5600 JOHNSTON _ COUNTY STATION: 28+84.00 -Y7-

SHEET 2 OF 8

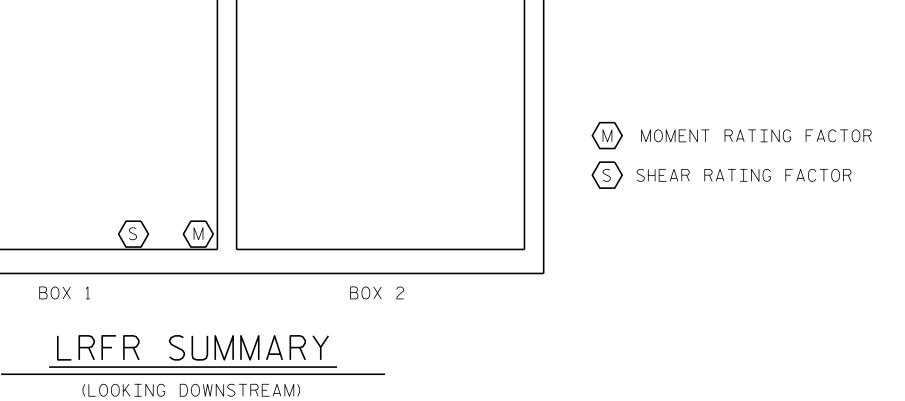


1223 Jones Franklin Rd. Raleigh, N.C. 27606 Bus: 919 851 8077 Fax: 919 851 8107 LICENSE NO. F-0377

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH

LRFR SUMMARY FOR REINFORCED CONCRETE BOX CULVERTS

REVISIONS SHEET NO. NO. BY:



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETE

ASSEMBLED BY : B.C. HUNT DATE : 5-18 CHECKED BY : J.A. DILWORTH DATE : 5-18

DRAWN BY: WMC 7/II REV. 10/1/II REV. 12/17