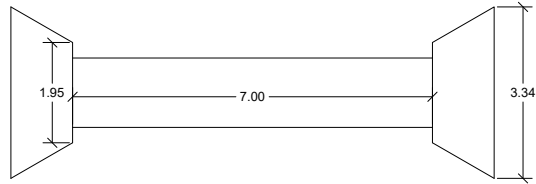
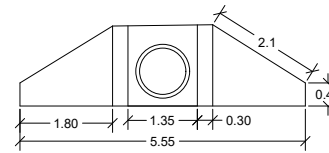


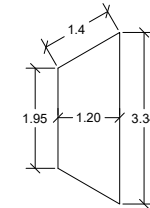
PROPOSED CONSTRUCTION OF A TYPICAL 900MM CROSS CULVERT



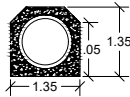
PLAN OF THE CULVERT



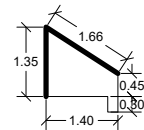
Front view of the culvert



Details of RC Aprons



Section through x-x



Dimensions of Wingwalls

	TOTAL AREA	Volume of concrete	No.	Total area	Total volume
WINGWALLS	1.26	0.328	4	5.04	1.31
APRONS	3.174	0.825	2	6.348	1.65
BED	3.95	8.216	8	31.6	8.216
SURROUND/HOUNCH	3.768	0.98	8	30.144	7.84
HEADWALLS/TOE BEAM	0.585	0.152	4	2.34	0.608
Total to be reinforced with BRC A142 for the structure				65.975	
Total Volume of concrete required for the structure					19.624
Excavation in soft material for the structure.					
APRONS	3.174		2	6.348	
BED	3.95		8	31.6	
Total volume of excavation for the structure.				37.948	75.896

NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS STATED.
2. REINFORCEMENT TO BE AS PER THE BRITISH STANDARDS
3. HARDCORE TO BE OF GOOD SELECTED MATERIAL
4. REINFORCEMENT SHOULD BE PLACED 150MM C/C
5. EXCAVATION DEPTH WILL BE DETERMINED ON SITE.
6. PAYMENT OF THE WORKS WILL BE DONE BASED ON MEASURED WORKS.

CLIENT: KCEP-CRAL	DRAWN BY	PROPOSED CULVERT AT KAPROGONY	NOVEMBER 2018
MINISTRY OF AGRICULTURE, LIVESTOCK FISHERIES AND IRRIGATION	D. S TELIENY (P.Eng. Techn)	PROPOSED 900MM CULVERT	KABISAGA WAREHOUSE
	DRWG NO. 009/2018		