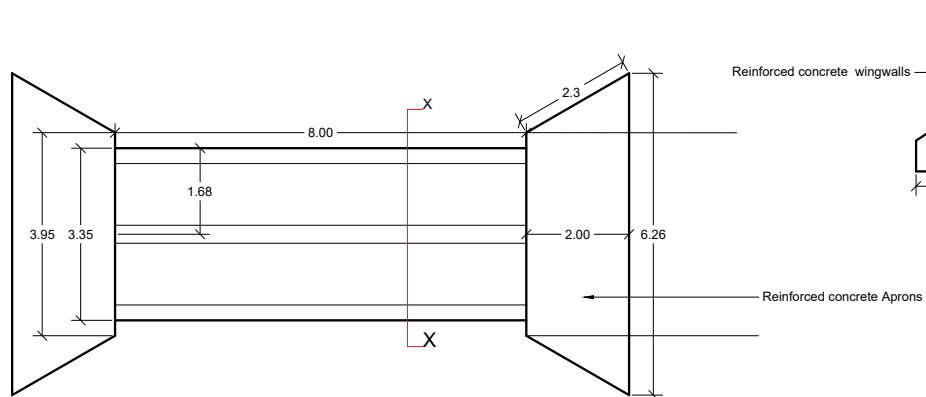
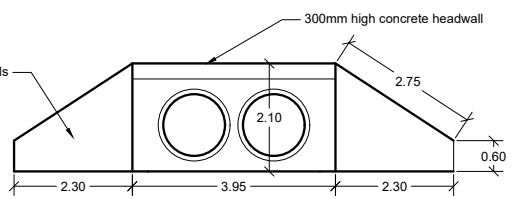


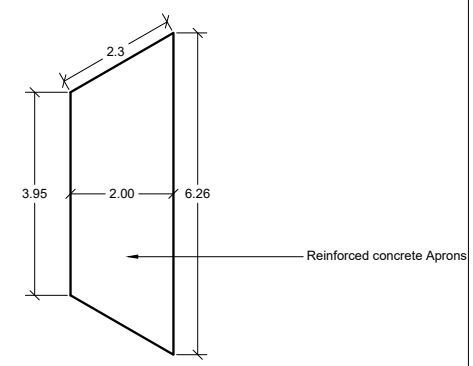
PROPOSED CONSTRUCTION OF A 1200MM TWIN CULVERT ACROSS KAPLESAN SWAMP TO CHEMUSWA



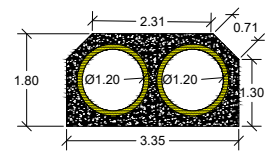
PLAN OF THE CULVERT



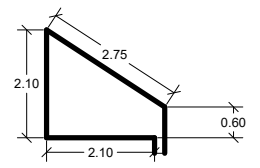
Front view of the culvert



Details of RC Aprons



Section through x-x



Dimensions of Wingwalls

	TOTAL AREA	Volume of concrete	No.	Total area	Total volume
WINGWALLS	2.835	0.737	4	11.336	2.948
APRONS	10.21	2.655	2	20.42	5.309
BED	3.95	8.216	8	31.6	8.216
ABUTMENT WALLS	3.768	0.98	8	30.144	7.84
Total to be reinforced with BRC A142 for the structure				63.635	
Total Volume of concrete required for the structure					24.311
Excavation in soft material for the structure.					
APRONS	10.21			10.21	
BED	3.95		8	31.6	
Total volume of excavation for the structure.				41.81	112.887

NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS STATED.
2. REINFORCEMENT TO BE AS PER THE BRITISH STANDARDS
3. HARDCORE TO BE USED WHERE NECESSARY AND AS DIRECTED BY THE ENGINEER
4. THE END STRUCTURE OF THE STRUCTURE WILL BE REINFORCED USING BRC A142
5. EXCAVATION DEPTH WILL BE DETERMINED ON SITE.
6. PAYMENT OF THE WORKS WILL BE DONE BASED ON MEASURED WORKS.

THE CULVERT WILL BE INSTALLED IN A SWAMPY AREA WHERE THE ROAD NEEDS TO BE RAISED TO ENABLE FARMERS DELIVER THEIR PRODUCE TO CHEMUSWA WAREHOUSE.

CLIENT: KCEP-CRAL	DRAWN BY	KAPLESAN SWAMP CROSSING IN CHESUMEI SUB COUNTY PROPOSED 1200MM TWIN CULVERT	NOVEMBER 2018
MINISTRY OF AGRICULTURE, LIVESTOCK FISHERIES AND IRRIGATION	D. S TELIENY (P.Eng. Techn)		CHEMUSWA WAREHOUSE
	DRWG NO. 007/2018		