

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>ROAD SETTING OUT</u>				
A	Allow for surveying of the road including alignment ,setting out width of carriage way,shoulders,vertical curves,and the size of drainage.	ITEM	ITEM		
B	Ditto preparations of civil works E nginnering drawings.	ITEM	ITEM		
C	Ditto geotechnical engineering survey for the underlying soils within the road area.	ITEM	ITEM		
	<u>SUBSTRUCTURE WORKS</u> <u>(ALL PROVISIONS)</u>				
	<u>CARRIAGE WAY</u>				
D	Excavate on carriageway commencing ground level but not exceeding 1.5m deep	CM	11550		
E	Ditto on shoulders ditto	CM	3150		
F	Planking and strutting to sides of the excuvation	ITEM	ITEM		
G	Keeping excavation from general water	ITEM	ITEM		
H	Backfill the carrigeway excavation commencing on botttom of trench up to ground floor level with approved hardcore fill,packed and compacted in layers of 250mm thick.	CM	10500		
I	Ditto road shoulders	CM	3000		
J	Build up levels of carrige way with approved gravel (murrum) commencing from firm carrige way level ,compactd in layers of 150mm thick to a maximum dry density of 95% as directed by the civil Engineer.	CM	3150		
	Carried to collection				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
A	Allow for antitermite treatment for the surface	SM	7700		
B	Ditto to road shoulders ditto	CM	2100		
C	Supply and fix precast road kerbs of class 30/20 (mix cement:sand :ballast,1:1:2) Chamfered once on top and anchored with concret surrounded (mix 1:3:6 cement :sand:Ballast) on both sides of thre road andas directed by the civil Engineer.	L	2800		
D	Ditto road channels to serve as road drainage betweeen the carrige way and the precast kerbs.	L	1400		
E	Supply and fix 80mm thick paving blocks on Quarry dust as directed by the civil Engineer.	SM	7700		
F	Set the fall on one direction towards the storm drain channel approximately 2.5%	SM	7700		
G	Clear the surface with clean river sand including compacting using plate compactor.	SM	7700		
	<u>DRAINAGE</u>				
H	Set out the storm water drainage on one side of the carrige way as directed by the Civil Engineer.	L	1400		
I	Establish the correct levels of the draiunage as directed	ITEM	50000		
J	Cast 150mm thick concrete class 25/20 (1:1.5:3)on bottom of drainage bed.	CM	315		
	Carried to collection				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>DRAINAGE (CONT'D)</u>				
A	Allow for shapping of storm drain to achieve the shape of trapezoid as directed by the Civil Engineer	L	1400		
B	Ditto stone pitching filled up with 1:3 cement:sand mortar as directed Civill Engineer.	SM	2100		
C	Allow for gulley traps to arrest surface storm water on sides of the road carriage way,spaced 2000mm c/c	NO	701		
	Total to collection below				
	COLLECTION				
	Brought forward from pg 1				
	Brought forward from pg 2				
	Brought forward from above				
	<u>SUB TOTAL</u>				
	Add 5% contigency				
	TOTAL				-