

COST ESTIMATE: EMBAKASI ESTATE SEWERLINE

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
A	CLASS A: SITE CLEARANCE				
	<u>Site clearance</u>				
A1	Demolish and cart away natural and artificial articles, objects and obstructions which are above the original surface, 1.5 m on either side of the proposed pipeline	m ²	7,836.00		
A2	Trees of girth 500mm -1m measured 1.0m above ground level	nr	0		
B	CLASS B: EXCAVATION				
	Rates for excavation and backfilling in trench shall include for trimming trench bottom and for providing selected bedding and surround materials from the excavations with the specifications.				
B1	Excavate trench for sewer in soft material, depth not exceeding 1.0m, average width 1.2m, part return, fill-in and ram, part remove to dump.	m ³	4850		
B2	Ditto for depth not exceeding 2.0m	m ³	305		
B3	E.O for excavation in hard material	m ³	1215		
C	CLASS C: PIPEWORK - PIPES				
	Provide, lay, joint and test the following flexible uPVC Pipes to KS-ISO-1452. Rates to include for all jointly materials, cutting wastage.				
C1	Supply and lay 300mm diameter PVC pipes, including aproved material bed and haunches as detailed, and pipe surround at joints.	m	2075		
C2	Ditto 450 mm Dia.	m	559		
C3	Ditto 600 mm Dia.	m	248		
D	CLASS D: PIPE FITTINGS				
	PVC Fittings (Bends)				
D1	DN 600 mm 22.5° bends as shown	No	2		
D3	Ditto 45°	No	2		
D4	DN 450 mm 22.5° bends as shown	No	2		
D5	Ditto 45°	No	2		
D6	DN 300 mm 22.5° bends as shown	No	2		
D7	Ditto 45°	No	2		
PAGE TOTAL CARRIED TO COLLECTION					
E	CLASS E: MANHOLES AND CHAMBERS				
	<u>Manholes</u>				
E1	Provide and Construct manholes using in situ cast rings as detailed, at spacing shown on the drawing and at every junction, including manhole covers, step irons and all fittings and greasing as necessary.	nr	68		

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ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
F	CLASS F: CONNECTION TO EXISTING SEWER				
F1	Extra over item C above for connection to existing sewer line.	LS	1		
	PAGE TOTAL CARRIED TO SUMMARY				
	TOTAL COLLECTED FROM PAGE 1				
	TOTAL COLLECTED FROM PAGE 2				
	SUB TOTAL				
	10% CONTIGENCIES	%	10		
	TOTAL CARRIED TO SUMMARY				
	Add 16% VAT				
	GRAND TOTAL				
	TOTAL CARRIED TO SUMMARY				