

**COST ESTIMATE: NJOGUINI ESTATE SEWERLINE**

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
<b>A</b>	<b>CLASS A: SITE CLEARANCE</b>				
	<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 <sup>2</sup>	1,932.00		
A2	Trees of girth 500mm -1m measured 1.0m above ground level	nr	0		
<b>B</b>	<b>CLASS B: EXCAVATION</b>				
	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 <sup>3</sup>	8208		
B2	Ditto for depth not exceeding 2.0m	m <sup>3</sup>	610		
B3	E.O for excavation in hard material	m <sup>3</sup>	1020		
<b>C</b>	<b>CLASS C: PIPEWORK - PIPES</b>				
	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	2900		
C2	Ditto 450 mm Dia.	m	300		
C3	Ditto 600 mm Dia.	m	1,100		
<b>D</b>	<b>CLASS D: PIPE FITTINGS</b>				
	<b>PVC Fittings ( Bends)</b>				
D1	DN 600 mm 22.5° bends as shown	No	2		
D2	Ditto 45°	No	2		
D3	DN 450 mm 22.5° bends as shown	No	2		
D4	Ditto 45°	No	2		
D5	DN 300 mm 22.5° bends as shown	No	2		
D6	Ditto 45°	No	2		
	<b>PAGE TOTAL CARRIED TO COLLECTION</b>				

