

**Discovery and Sensory Trail Project: Bill of Quantities**

**Phase I: Earthworks**

		Quantity	Rate	Amount
<b>SABS 1200 C, D, DK &amp; DM</b>				
<b>SABS 1200 C SITE CLEARANCE</b>				
<b>PSC Clear and grub:</b>				
8.2.1	.01 Areas			
	.01 2.5 m wide	m <sup>2</sup> 1530		
	.02 3.0 m wide	m <sup>2</sup> 2520		
	.03 All other areas: Bird hide; rest points; toilet and meditation sanctuary	m <sup>2</sup> 300		
<b>SABS 1200 D EARTHWORKS</b>				
<b>PSD 8.3.2 Bulk excavation:</b>				
	.01 Excavate in all materials and use for fill as ordered from:			
	.01 Necessary excavations	m <sup>3</sup> 80		
<b>SABS 1200 DM EARTHWORKS (ROADS, SUBGRADE)</b>				
<b>PSDM 8.3.2 Preparation of Site:</b>				
	.01 Removal of topsoil to a depth of 150 mm, and the stockpiling and maintenance thereof	m <sup>3</sup> 660		
	.02 Hauling and spreading of topsoil to a minimum depth of 100 mm	m <sup>3</sup> 390		
<b>PSDM 8.3.3 Treatment of roadbed:</b>				
	.01 Roadbed preparation and compaction of material to:			
	.01 Minimum of 93% of modified AASHTO maximum density	m <sup>3</sup> 580		
<b>PSDM 8.3.4 Borrow to fill:</b>				
	.01 Compact to 93% of modified AASHTO maximum density	m <sup>3</sup> 80		
	.02 Rockfill, supply, process and compact underneath causeways to the approval of the Engineer	m <sup>3</sup> 300		
<b>SABS 1200 DK GABIONS AND PITCHING</b>				
<b>8.2.5 Pitching:</b>				
	.02 Grouted pitching: at causeways			
	.02 Medium pitching	m <sup>2</sup> 250		
<b>TOTAL Phase I: Earthworks</b>				
<b>Phase II: Concrete Pavement &amp; Kerbing</b>				
<b>SABS 1200 G, ME &amp; MK</b>				
<b>SABS 1200 ME SUBBASE</b>				
<b>8.3.5 Process road bed material by one of the following processes, as relevant, and use in the subbase:</b>				
	.04 Stabilization	m <sup>3</sup> 580		
<b>8.3.8 Stabilizing agent:</b>				
	.01 Road lime	t		
	.02 Portland cement	t		
	.03 Portland blast-furnace cement (3%)	t 38		
<b>SABS KERBING AND CHANNELLING</b>				

1200 MK					
PSMK	<b>Precast concrete kerbing:</b>				
8.2.1	.03 SABS 927:2007 fig 12:				
	.01 Radius up to 4 m	m	70		
	.02 Radius over 4 m up to 20 m	m	260		
	.03 Radius over 20 m and straight sections	m	2300		
PE 13	<b>CONCRETE PAVEMENTS</b>				
PE.01	<b>Concrete pavement 100 mm thick with nominal cement content of 100 kg/m<sup>3</sup>, excluding texturing and curing</b>				
	.01 1.5 m wide wheel chair path cast alternatively in 1.5x1.8 m rectangles	m <sup>2</sup>	1820		
	.02 2.5 m wide wheel chair path cast alternatively in 2.5x3.0 m rectangles	m <sup>2</sup>	1050		
PE.02	<b>Texturing and curing of concrete pavement:</b>				
	.01 Wire-brush texturing	m <sup>2</sup>	2870		
	.02 Curing	m <sup>2</sup>	2870		
PE.04	<b>Joints:</b>				
	.01 Expansion joints complete (excluding dowels) (30 m c/c)	m	70		
	.03 Transverse contraction joints:				
	.03 Sawn contraction joints (unsealed)	m	210		
	.04 Dowel bars (mild steel) 16 mm dia x 600 mm long	no	72		
	.05 Tie bars 16 mm dia x 600 mm long used in wet/clay areas	no	150		
PE.08	<b>Scheduled reinforcement items:</b>				
SABS	.03 High-tensile welded mesh, ref no 245 in centre of concrete paving	m <sup>2</sup>	2830		
1200 G	.03 High-tensile welded mesh, ref no 395 in centre of causeway concrete paving	m <sup>2</sup>	40		
8.3.1					
<b>TOTAL Phase II: Concrete Pavement &amp; Kerbing</b>					
<b>TOTAL Phases I &amp; II</b>					
<b>Phase III: Trail Sign Posts</b>		sum	-		
<b>Phase IV: Street Furniture and Bird Hide</b> Resting Spots and Toilet Area		sum	-		
<b>TOTAL Phases I to IV</b>					
<b>General</b>					
<b>Contingensies</b>					
<b>Sum</b>					
<b>14% VAT - (If Applicable)</b>					
<b>TOTAL SUM</b>					