

Cost estimation		Date: 25 januari 2008				
Project: Troy Hill Saba		Projectnr: 207-886				
Nr.	Description	Quantity	Unit	Unit price	Price	Sub total
				(NafI)	(NafI)	(NafI)
1	Preparational works					
1.1	Survey roads	1	sum	fl 25,000.00	fl 25,000.00	
1.2	Clearing terrain roads	1	sum	fl 45,000.00	fl 45,000.00	
						fl 70,000.00
2	Main Road					
	Earth work					
2.1	Earth work					
2.11	Excavate terrain	8900	m3	fl 30.00	fl 267,000.00	
2.12	Backfill of excavated soil	3425	m3	fl 25.00	fl 85,625.00	
2.13	Transport of excavated soil	5475	m3	fl 40.00	fl 219,000.00	
						fl 571,625.00
	Road					
2.2	Concrete pavement					
2.21	Supply and process of concrete for the road (B25)	723	m3	fl 600.00	fl 433,800.00	
						fl 433,800.00
2.3	Reinforcement					
2.31	Supply and process reinforcement steel	36150	kg	fl 3.60	fl 130,140.00	
						fl 130,140.00
2.4	Dowels/Sleeve's					
2.41	Supply and process dowels longitudinal joint	2036	kg	fl 3.60	fl 7,329.60	
2.42	Supply and process dowels cross joint	3636	kg	fl 3.60	fl 13,089.60	
2.43	Supply and process sleeves, PVC	1212	pc	fl 5.50	fl 6,666.00	
						fl 27,085.20
	Gutter					
2.5	Concrete					
2.51	Supply and process of concrete for the road (B25)	90	m3	fl 600.00	fl 54,000.00	
						fl 54,000.00
2.6	Reinforcement					
2.61	Supply and process reinforcement steel	2700	kg	fl 3.60	fl 9,720.00	
						fl 9,720.00
3	Retaining wall: type A					
3.1	Natural Stone					
3.11	Supply and process natural stone	364	m2	fl 250.00	fl 91,000.00	
						fl 91,000.00
3.2	Reinforcement					
3.21	Supply and process reinforcement steel	1300	kg	fl 3.60	fl 4,680.00	
						fl 4,680.00
4	Retaining wall: type B					
4.1	Concrete					
4.11	Supply and install concrete	15	m3	fl 600.00	fl 9,000.00	
						fl 9,000.00
4.2	Reinforcement					
4.21	Supply and process reinforcement steel base	600	kg	fl 3.60	fl 2,160.00	
						fl 2,160.00
4.3	Natural Stone					
4.31	Supply and process natural stone	375	m2	fl 375.00	fl 140,625.00	
						fl 140,625.00
4.4	Reinforcement					
4.41	Supply and process reinforcement steel	1200	kg	fl 3.60	fl 4,320.00	
						fl 4,320.00
4.5	Drain pipe					
4.51	Supply and process drain pipe d=2"	45	m1	fl 15.00	fl 675.00	
						fl 675.00
5	Retaining wall: type C					
5.1	Concrete					
5.11	Supply and install concrete	320	m3	fl 600.00	fl 192,000.00	
						fl 192,000.00
5.2	Reinforcement					
5.21	Supply and process reinforcement steel	24000	kg	fl 3.60	fl 86,400.00	
						fl 86,400.00
5.3	Drain pipe					
5.31	Supply and process drain pipe d=2"	200	m1	fl 15.00	fl 3,000.00	
						fl 3,000.00

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6	A1 Road						
	Earth work						
6.1	Earth work						
6.11	Excavate terrain	400	m3	fl 30.00	fl	12,000.00	
6.12	Backfill of excavated soil	165	m3	fl 25.00	fl	4,125.00	
6.13	Transport of excavated soil	235	m3	fl 40.00	fl	9,400.00	
							fl 25,525.00
	Road						
6.2	Concrete pavement						
6.21	Supply and process of concrete for the road (B25)	61	m3	fl 600.00	fl	36,600.00	
							fl 36,600.00
6.3	Reinforcement						
6.31	Supply and process reinforcement steel	3050	kg	fl 3.60	fl	10,980.00	
							fl 10,980.00
6.4	Dowels/Sleeve's						
6.41	Supply and process dowels longitudinal joint	279	kg	fl 3.60	fl	1,004.40	
6.42	Supply and process dowels cross joint	295	kg	fl 3.60	fl	1,062.00	
6.43	Supply and process sleeves, PVC	164	pc	fl 5.50	fl	902.00	
	Gutter						fl 2,968.40
6.5	Concrete						
6.51	Supply and process of concrete for the road (B25)	11	m3	fl 600.00	fl	6,600.00	
							fl 6,600.00
6.6	Reinforcement						
6.61	Supply and process reinforcement steel	332	kg	fl 3.60	fl	1,195.20	
							fl 1,195.20
7	Retaining wall: type A						
7.1	Natural Stone						
7.11	Supply and process natural stone	49	m2	fl 250.00	fl	12,250.00	
							fl 12,250.00
7.2	Reinforcement						
7.21	Supply and process reinforcement steel	248	kg	fl 3.60	fl	892.80	
							fl 892.80
8	Retaining wall: type C						
8.1	Concrete						
8.11	Supply and install concrete	43	m3	fl 600.00	fl	25,800.00	
							fl 25,800.00
8.2	Reinforcement						
8.21	Supply and process reinforcement steel	3225	kg	fl 3.60	fl	11,610.00	
							fl 11,610.00
8.3	Drain pipe						
8.31	Supply and process drain pipe d=2"	45	m1	fl 15.00	fl	675.00	
							fl 675.00

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				(Naf)	(Naf)	(Naf)	(Naf)	
9	A4 Road							
	Earth work							
9.1	Earth work							
9.11	Excavate terrain	830	m3	fl 30.00	fl	24,900.00		
9.12	Backfill of excavated soil	0	m3	fl 25.00	fl	-		
9.13	Transport of excavated soil	830	m3	fl 40.00	fl	33,200.00		
							fl	58,100.00
	Road							
9.2	Concrete pavement							
9.21	Supply and process of concrete for the road (B25)	52	m3	fl 600.00	fl	31,200.00		
							fl	31,200.00
9.3	Reinforcement							
9.31	Supply and process reinforcement steel	2600	kg	fl 3.60	fl	9,360.00		
							fl	9,360.00
9.4	Dowels/Sleeve's							
9.41	Supply and process dowels longitudinal joint	237	kg	fl 3.60	fl	853.20		
9.42	Supply and process dowels cross joint	250	kg	fl 3.60	fl	900.00		
9.43	Supply and process sleeves, PVC	139	pc	fl 5.50	fl	764.50		
	Gutter							
9.5	Concrete							
9.53	Supply and process of concrete for the road (B25)	9	m3	fl 600.00	fl	5,400.00		
							fl	5,400.00
9.6	Reinforcement							
9.63	Supply and process reinforcement steel	270	kg	fl 3.60	fl	972.00		
							fl	972.00
10	Retaining wall: type A							
10.1	Natural Stone							
10.11	Supply and process natural stone	42	m2	fl 250.00	fl	10,500.00		
							fl	10,500.00
10.2	Reinforcement							
10.21	Supply and process reinforcement steel	210	kg	fl 3.60	fl	756.00		
							fl	756.00
11	Retaining wall: type B							
11.1	Concrete							
11.11	Supply and install concrete	4	m3	fl 600.00	fl	2,400.00		
							fl	2,400.00
11.2	Reinforcement							
11.21	Supply and process reinforcement steel base	160	kg	fl 3.60	fl	576.00		
							fl	576.00
11.3	Natural Stone							
11.31	Supply and process natural stone	100	m2	fl 375.00	fl	37,500.00		
							fl	37,500.00
11.4	Reinforcement							
11.41	Supply and process reinforcement steel	310	kg	fl 3.60	fl	1,116.00		
							fl	1,116.00
11.5	Drain pipe							
11.51	Supply and process drain pipe d=2"	12	m1	fl 15.00	fl	180.00		
							fl	180.00

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BB Road							
12	Earth work						
12.1	Earth work						
12.11	Excavate terrain	1394	m3	fl 30.00	fl	41,820.00	
12.12	Backfill of excavated soil	34	m3	fl 25.00	fl	850.00	
12.13	Transport of excavated soil	1360	m3	fl 40.00	fl	54,400.00	
							fl 97,070.00
Road							
12.2	Concrete pavement						
12.21	Supply and process of concrete for the road (B25)	110	m3	fl 600.00	fl	66,000.00	
							fl 66,000.00
12.3	Reinforcement						
12.31	Supply and process reinforcement steel	5500	kg	fl 3.60	fl	19,800.00	
							fl 19,800.00
12.4	Dowels/Sleeve's						
12.41	Supply and process dowels longitudinal joint	503	kg	fl 3.60	fl	1,810.80	
12.42	Supply and process dowels cross joint	533	kg	fl 3.60	fl	1,918.80	
12.43	Supply and process sleeves, PVC	296	pc	fl 5.50	fl	1,628.00	
Gutter							
12.5	Concrete						
12.53	Supply and process of concrete for the road (B25)	20	m3	fl 600.00	fl	12,000.00	
							fl 12,000.00
12.6	Reinforcement						
12.63	Supply and process reinforcement steel	600	kg	fl 3.60	fl	2,160.00	
							fl 2,160.00
Retaining wall: type A							
13	Natural Stone						
13.11	Supply and process natural stone	89	m2	fl 250.00	fl	22,250.00	
							fl 22,250.00
13.2	Reinforcement						
13.21	Supply and process reinforcement steel	448	kg	fl 3.60	fl	1,612.80	
							fl 1,612.80
Retaining wall: type B							
14	Concrete						
14.11	Supply and install concrete	4	m3	fl 600.00	fl	2,400.00	
							fl 2,400.00
14.2	Reinforcement						
14.21	Supply and process reinforcement steel base	160	kg	fl 3.60	fl	576.00	
							fl 576.00
14.3	Natural Stone						
14.31	Supply and process natural stone	100	m2	fl 375.00	fl	37,500.00	
							fl 37,500.00
14.4	Reinforcement						
14.41	Supply and process reinforcement steel	310	kg	fl 3.60	fl	1,116.00	
							fl 1,116.00
14.5	Drain pipe						
14.51	Supply and process drain pipe d=2"	12	m1	fl 15.00	fl	180.00	
							fl 180.00

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15	Utilities					
15.1	Supply and install utility cables incl. Manholes and meterwalls	1	sum	fl 600,000.00	fl 600,000.00	fl 600,000.00
	Subtotal					2,988,569
	INDIRECT COST					
	Subtotal					2,988,569
	General construction site expenses	8%			239,086	
	Subtotal					3,227,655
	General operating expenses	8%			258,212	
	Subtotal					3,485,867
	Profit Interest Risk Contribution	10%			348,587	
	Total exclusive estimation					3,834,454
	Constingency	5%			191,723	
	Total inclusive estimation					4,026,176