

Contract No.: #REF!  
 Description:

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Item No.	Payment Refers	Description	Unit	Qty	Rate	Amount
<b>E</b>		<b>SCHEDULE E: CIVIL</b>				
<b>E1</b>	<b>SABS 1200C</b>	<b>SITE CLEARANCE</b>				
E1.1	8.2.1	Clear and grub	m <sup>2</sup>	42		
E1.2	8.2.4	Reclear surfaces (only on instructions from the engineer)	m <sup>2</sup>	42		
E1.3	8.2.10	Remove topsoil to nominal depth of 150mm and stockpile	m <sup>3</sup>	7		
<b>Carried Forward</b>						

Brought Forward					
<b>E2</b>	<b>SABS 1200DA</b>	<b>EARTHWORKS (SMALL WORKS)</b>			
E2.1	8.3.1 b)	Excavation in all materials for chambers and other minor structures outside the limits of the trench excavation, backfill, compact and dispose of surplus / unsuitable material (within 15km radius).	m <sup>3</sup>	200	
E2.2	8.3.2(b)	Extra over Item 1.1 for excavation in hard rock.	m <sup>3</sup>	60	
E2.3	8.3.4.1	Importing of backfill G7 Material from commercial sources compacted in layers not exceeding 150mm in thickness compacted to 93% MOD AASHTO density AT -1% to +2% OMC	m <sup>3</sup>	59	
E2.4	8.3.4.2	G5 Material from commercial sources compacted in layers not exceeding 100 mm in thickness compacted to 95% MOD AASHTO density AT -1% to +2% OMC	m <sup>3</sup>	16	
E2.5	8.3.5	Existing services (exposure, protection and alteration) including service detection	Sum	1	
E2.6	8.3.6	Topsoiling	m <sup>2</sup>	42	
E2.7	8.3.8	Traffic signs (where applicable)	Sum	1	
<b>Carried Forward</b>					

Brought Forward					
<b>E3</b>	<b>SABS1200GA</b>	<b>SECTION 9.1: CONCRETE (SMALL WORKS)</b>			
E3.1	8.2	<b>Formwork</b>			
E.3.1.1	8.2.2	<u>Smooth Formwork</u>			
E.3.1.1.1		To Walls	m <sup>2</sup>	251	
E.3.1.2	8.2.3	<u>Narrow widths</u>			
E.3.1.2.1		Sides of roof slab (280mm high)	m	30	
E.3.1.2.2		Sides of base slab (500mm high)	m	34	
E.3.1.3	8.2.4	<u>Box out Holes / Form Voids</u>			
E.3.1.3.1		a) Box out hole for 500mm x 500mm x 250mm (deep) pump sump	No.	1	
E.3.1.3.2		b) Box out hole for 920mm x 920mm x 450mm (deep) pump sump	No.	2	
E.3.1.3.3		c) Box out hole for 830mm x 830mm x 450mm (deep)	No.	2	
E.3.1.3.4		d) Box out hole for 630mm x 630mm x 450mm (deep)	No.	1	
E.3.1.3.5		e) Box out hole for 410mm x 410mm x 450mm (deep)	No.	2	
E.3.1.3.6		f) Box out hole for 220mm x 220mm x 450mm (deep)	No.	1	
E.3.2	8.3	<b>Reinforcement</b>			
E.3.2.1	8.3.1	Steel bars			
E.3.2.1.1		<u>Mild steel reinforcement</u>			
E.3.2.1.1.1		Base Slab, Walls and Roof Slab	kg	260	
E.3.2.1.2		<u>High tensile steel reinforcement</u>			
E.3.2.1.2.1		Base Slab, Walls and Roof Slab	kg	13800	
E.3.3	8.4	<b>Concrete</b>			
E.3.3.1	8.4.2	<u>50mm Class 15/19MPa Blinding Layer:</u>	m <sup>2</sup>	67	
E.3.3.2	8.4.3	<u>Strength Concrete</u>			
E.3.3.2.1		<u>a) Grade 35MPa/19mm:</u>			
E.3.3.2.1.1		Base Slab and walls	m <sup>3</sup>	91	
E.3.3.2.2		<u>b) Grade 60MPa/19mm:</u>			
E.3.3.2.2.1		Roof Slab	m <sup>3</sup>	15	
E.3.3.3	8.4.4	<u>Unformed surface finishes</u>			
E.3.3.3.1		Wood-floated finish to floor and roof slab	m <sup>2</sup>	118	
E.3.4	8.8	<b>Miscellaneous</b>			
E.3.4.1		<u>Cast in PVC sleeves:</u>			
E.3.4.1.1		110mm diameter x 400mm long including vermin proof mesh	No.	6	
E.3.4.1.2		Cast in 50mm diameter x 280mm long PVC sleeves in roof slab for lifting purposes	No.	8	
E.3.4.1.3		Cast in 110mm diameter x 280mm long PVC sleeves above valve caps	No.	3	
E.3.4.1.4		Cast in standard Rand Water manhole frame and cover (supplied by Rand Water)	No.	1	
E.3.4.1.5		Supply and cast in standard Rand Water frame and sump cover (as per DGR No. A8879)	No.	1	
E.3.4.1.6		Supply all materials and and install the Steel valve supports as detailed on Rand Water Detail Drg A12210:	No.	3	
E.3.4.1.7		Water tightness test of all concrete valve chambers (excluding air valves)	Sum	1	
E.3.4.1.8		Rigid polymer modified liquid waterproofing (Apply on both sides of the walls)	m <sup>2</sup>	251	
E.3.4.1.9		Construction of 5MPa strength concrete (100mm thick) apron as per R029357/200)	m <sup>3</sup>	4	
E.3.4.1.10		Construction of external mass concrete access steps inclusive of handrails for the chamber (Refer to Drawing RA 27329)	No.	1	
<b>Carried Forward</b>					

Brought Forward					
E.4	SABS1200HA	<b>SECTION 9.2: STRUCTURAL STEELWORK (SUNDRY ITEMS)</b>			
E.4.1	8.3	<b>Scheduled Items</b>			
E.4.1.1	8.3.3	Ladders complete and installed			
E.4.1.1.1		Supply and Install Standard Rand Water Catladder (as per DRG No. A7406)			
E.4.1.1.1.1		a) 4200mm high, refer to DRG R029197/01	No.	1	-
E.4.1.1.2		Supply and install Grab Rails as detailed on Rand Water Detail (as per DRG. No. A9858)	No.	1	-
<b>SCHEDULE E CARRIED FORWARD TO SUMMARY</b>					