

Contract No.:
Description:

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F6 CHAMBER AT KRUGERSDOP
SCHEDULE E: CIVIL

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

Brought Forward						
E2	SABS 1200DA	EARTHWORKS (SMALL WORKS)				
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 ³	200		
E2.2	8.3.2(b)	Extra over Item 1.1 for excavation in hard rock.	m ³	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 ³	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 ³	16		
E2.5	8.3.5	Existing services (exposure, protection and alteration) including service detection	Sum	1		
E2.6	8.3.6	Topsoiling	m ²	42		
E2.7	8.3.8	Traffic signs (where applicable)	Sum	1		
Carried Forward						

Brought Forward						
E3	SABS1200GA	SECTION 9.1: CONCRETE (SMALL WORKS)				
E3.1	8.2	Formwork				
E.3.1.1	8.2.2	<u>Smooth Formwork</u>				
E.3.1.1.1		To Walls	m ²	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	Reinforcement				
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	Concrete				
E.3.3.1	8.4.2	<u>50mm Class 15/19MPa Blinding Layer:</u>	m ²	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 ³	91		
E.3.3.2.2		<u>b) Grade 60MPa/19mm:</u>				
E.3.3.2.2.1		Roof Slab	m ³	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 ²	118		
E.3.4	8.8	Miscellaneous				
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 ²	251		
E.3.4.1.9		Construction of 5MPa strength concrete (100mm thick) apron as per R029357/200)	m ³	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		
Carried Forward						

Brought Forward						
E.4	SABS1200HA	SECTION 9.2: STRUCTURAL STEELWORK (SUNDRY ITEMS)				
E.4.1	8.3	Scheduled Items				
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		-
SCHEDULE E CARRIED FORWARD TO SUMMARY						