

CONSTRUCTION OF GUARDHOUSE, BOUNDARY WALL INCLUDING GATE, STORMWATER DRAINS, INSTALLATION OF MONITORING BOREHOLES AND DEWATERING SYSTEM AT GOUDKOPIES LANDFILL SITE

SECTION 1: PRELIMINARY AND GENERAL

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SABS 1200 DA	<u>GENERAL REQUIREMENTS AND PROVISIONS</u>				
	1200A	PRELIMINARY AND GENERAL				
	8.3	FIXED - CHARGE ITEMS				
	8.3.1	Contractual requirements to cover the Contractor's costs for the providing of sureties, insurances and other requirements as stated in the Tender Document	L Sum	1		
	8.3.2	The Contractor to establish facilities on site as follows :				
	8.3.2.1	a) Facilities for Engineer				
		(i) Name Boards	No	1		
		(ii) Communication-Provision of phones with email capabilities	Sum	1		
		(iii) Offices and parking facilities	Sum	1		
		(iv) The Contractor to provide survey assistant as and when required by the Engineer and / or his representative on the construction site	Sum	1		
		(v) Computer (Laptop) facilities complete with printer, modem and telephone connection including 3G connection	Prov Sum	1	60000	60,000.00
		(vi) Rented house, hotel and other accommodation	Prov Sum	1	60000	60,000.00
	8.3.2.2	b) Facilities for the Contractor for the duration of the Contract				
		(i) Offices and storage sheds for the duration of the Contract	Sum	1		
		(ii) Workshops for the duration of the Contract	Sum	1		
		(iii) Water supply-connection by Council	Sum	1		
		(iv) Electric Power supply - connection by Council	Sum	1		
		(v) Portable latrines & ablution facilities	Sum	1		
		(vi) Tools and equipment	Sum	1		
		(vii) Medical testing of Personnel	Sum	1		
		(viii) Security of Works	Sum	1		
		(ix) Plant	Sum	1		
		(x) Dealing with water (see sub-clause 5.5)	Sum	1		
		(xi) Access	Sum	1		
	8.3.3	Other fixed charge obligations by the Contractor that are relevant to the successful completion of the Contract	Sum	1		
BALANCE CARRIED FORWARD						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SECTION 1: PRELIMINARY AND GENERAL						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
BALANCE BROUGHT FORWARD						
	8.3.4	Remove Engineer's and Contractor's Site establishment on completion of construction	Sum	1		
	PS13	Occupational Health and Safety				
	PS 8.26, PS 13	The preparation of risk assessments, safe work procedures, the health & safety plan. Provision of personal protection equipment and clothing and any other health and safety matters according to the specifications for the duration of the contract period.	Sum	1		
	8.4	TIME-RELATED ITEMS				
	8.3.3	Contractual requirements to cover the Contractor's costs for the providing of sureties, insurances and other requirements as stated in the Tender Document	Months	8		
		a) Facilities for Engineer for duration of construction (SANS 1200 AB)				
		(i) Name Boards	No	1		
		(ii) Communication-cellphone calls and maintenance	Months	8		
		(iii) Offices and parking facilities	Months	8		
		(iv) Survey assistants, equipment and material	Months	8		
		(v) Maintain computer facilities complete with printer, modem, consumables and call costs.	Months	8		
	8.4.2.2	b) Facilities for Contractor for duration of construction, except where otherwise stated				
		(i) Offices and storage sheds for the duration of the Contract	Months	8		
		(ii) Workshops for the duration of the Contract	Months	8		
		(iii) Water supply-connection by Council	Months	8		
		(iv) Electric Power supply - connection by Council	Months	8		
		(v) Portable latrines & ablution facilities	Months	8		
		(vi) Tools and equipment	Months	8		
		(vii) Medical testing of Personnel	Months	8		
		(viii) Security of Works	Months	8		
		(ix) Plant	Months	8		
		(x) Dealing with water (see sub-clause 5.5)	Months	8		
		(xi) Access	Months	8		
BALANCE CARRIED FORWARD						

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Contractor	Witness 1	Witness 2	Employer	Witness 1	Witness 2

SECTION 1: PRELIMINARY AND GENERAL						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
BALANCE BROUGHT FORWARD						
	8.4.3	Supervision (including SMMES) for duration of construction	Months	8		
	8.4.4	Company and Head Office overhead cost	Months	8		
	8.4.5	Other time related obligations (To be specified by the Tenderer)	Months	8		
	PS 8.8	EMP implementation and maintenance	Months	8		
	PSA	Safety Officer - Monthly compliance	Month	8		
		Cost of managing and compliant with Covid 19 regulation during construction	Month	8		
BALANCE CARRIED FORWARD						

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Contractor	Witness 1	Witness 2	Employer	Witness 1	Witness 2

SECTION 1: PRELIMINARY AND GENERAL						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE R C	AMOUNT R C
BALANCE BROUGHT FORWARD						
	8.5	PROVISIONAL SUMS				
	PS 17	a) Community liasing officer/s (CLO/s)				
		i) CLO/s salary (R10000-00/month)	Prov Sum	1	60000	60,000.00
		ii) Provision of CLO/s cellular phone	Prov Sum	1	5000	5,000.00
		iii) Cost of calls by the CLO/s	Prov Sum	1	3000	3,000.00
		b) Overheads charges and profit on item (a) above	%	68000		
		Training and skills development of general workers .	Prov Sum	1	150000	150,000.00
		Overheads charges and profit on item (0.3.3 & 0.3.4) above	%	150000		
BALANCE CARRIED FORWARD						

Contractor	Witness 1	Witness 2	Employer	Witness 1	Witness 2

SECTION 6: CHANGEROOM AND OFFICE						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
BALANCE BROUGHT FORWARD						
	SANS 1200 A 8.7	Dayworks				
		<u>a) Labour</u>				
		i) Site Agent	hours	Rate Only		
		ii) Qualified artisan/s	hours	Rate Only		
		iii) Qualified mechanic/s	hours	Rate Only		
		iv) Foreman, leader hand/s	hours	Rate Only		
		v) Semi-skilled labour/s	hours	Rate Only		
		vi) Labourer/s (Unskilled)	hours	Rate Only		
		b) Planthire: Work rates on Site				
		i) Tipper truck/s (size 5.5m^3)	hours	Rate Only		
		ii) Flatbed truck/s (7 ton)	hours	Rate Only		
		iii) LDV/s	hours	Rate Only		
		iv) Tractor loader backhoe (TLB)	hours	Rate Only		
		v) Pedestrian roller/s	hours	Rate Only		
		vi) Concrete mixer/s	hours	Rate Only		
		vii) Wheelbarrow/s				
		0-100m (0.06m^3)	hours	Rate Only		
		101-200m (0.06 m^3)	hours	Rate Only		
		viii) Chain-saw	hours	Rate Only		
		vix) Garder(CAT 140G or similar	hours	Rate Only		
		x) Motorised Roller	hours	Rate Only		
		xi) Water Truck	hours	Rate Only		
		xii) Air compressor with all tools, drills, jackhammers etc.	hours	Rate Only		
BALANCE CARRIED FORWARD						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SECTION 6: CHANGEROOM AND OFFICE						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
BALANCE BROUGHT FORWARD						
		c) Materials for dayworks	Prov Sum	1	100000	100,000.00
		d) Overheads charges and profit on item c) above	%	100000		
		i) Compressor with capacity of 125cfm	hours	Rate Only		
		ii) Water pump/s with 40mm outlet (diesel driven)	hours	Rate Only		
		iii) Welding unit (300Amp)	hours	Rate Only		
		iv) 6KVA Diesel-driven generator set	hours	Rate Only		
		d) Planthire: Transport cost to and from Site (Distance shall be measured one way only. Tenderer rates shall include for transport both to and from site)	km	Rate Only		
		i) Low-bed truck/s (suitable for the transport of the	km	Rate Only		
		ii) Tipper truck/s (size: 5.5m^3)	km	Rate Only		
		iii) Flat-bed truck/s (size: 7ton)	km	Rate Only		
		vi) LDV/s	km	Rate Only		
		v) Concrete-mixer/s (small-towable)	km	Rate Only		
		viii) Chain-saw	km	Rate Only		
		e) Labour intensive				
		i) Pick-axe	day	Rate Only		
		ii) Shovel	day	Rate Only		
		iii) Bucket (+/- 20ml)	day	Rate Only		
		iv) Wheelbarrow	day	Rate Only		
		services where approved by the engineer.	Prov Sum	0	10000	
BALANCE CARRIED FORWARD						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SECTION 6: CHANGEROOM AND OFFICE						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
BALANCE BROUGHT FORWARD						
	SANS 1200 A 8.8	TEMPORARY WORKS				
	8.8.2 / PS 8.23	Accommodation of Traffic	Sum	1		
		Compliance with security requirements, rules and regulations for working within the area, including identification tags for all construction personnel.	Sum	0		
	8.8.4	Existing Services				
		a) Provision of detecting devices for:				
		i) Water and sewer pipes	Sum	1		
		ii) Electrical and other cables	Sum	1		
		b) Excavation by hand in all material to expose existing services	m³	60		
		c) Temporary protection of services	Sum	1		
	8.8.5	d) Cost of Survey in Terms of the Land Survey Act (Provisional Sum)	Prov Sum	1	50000	50,000.00
BALANCE CARRIED TO SUMMARY						

<div></div> Contractor	<div></div> Witness 1	<div></div> Witness 2	<div></div> Employer	<div></div> Witness 1	<div></div> Witness 2
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CONSTRUCTION OF GUARDHOUSE, BOUNDARY WALL INCLUDING GATE, STORMWATER DRAINS, INSTALLATION OF MONITORING BOREHOLES AND DEWATERING SYSTEM AT GOUDKOPIES LANDFILL SITE

SECTION 2: BUILDING WORK

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.0		<u>SECTION NO.2</u>				
1.0		BILL NO.1				
1.0		EARTHWORKS, ETC.				
1.0		PREAMBLES				
1		<u>For Preambles see "Model Preambles For Trades"</u>				
1		EXCAVATION, FILLING, ETC OTHER THAN BULK				
1		Excavation in earth not exceeding 2m deep				
1	1.00	Trenches	m3	28		
1		Extra over bulk excavations in earth for excavation in				
1.00	2.00	Soft rock	m3	3		
1.00	3.00	<u>Hard rock</u>	m3	1		
1.00		Extra over all excavations for carting away				
1.00	4.00	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	15		
1.00		Risk of collapse of excavations				
1.00	5.00	Sides of excavations not exceeding 1,5m deep	m2	73		
1.00		Keeping excavations free of water				
1.00	6.00	Keeping excavations free of all water other than subterranean water	Item	1		
1.00		<u>FILLING ETC</u>				
1.00		Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density				
1.0	7.0	<u>Under floors, steps, pavings, etc</u>	m3	3		
1.0	8.00	Backfilling to trenches, holes, etc	m3	6		
1.0		G5 Imported filling of natural gravel material supplied by the contractor, compacted to 93% Mod AASHTO density				
1.0	9.00	Under floors, steps, pavings, etc	m3	7.000		
1.0	10.00	Backfilling to trenches, holes, etc	m3	6		
1.00		Filling of coarse river sand supplied by the contractor, consolidated				
BALANCE CARRIED FORWARD						

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Contractor	Witness 1	Witness 2	Employer	Witness 1	Witness 2

SECTION 2: BUILDING WORK						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
BALANCE BROUGHT FORWARD						
1.0	11.00	Under floors, steps, pavings, etc	m3	1		
1.0		Compaction of surfaces				
1.0	12.0	Compaction of ground surface under floors etc including scarifying for a depth of 15	m2	45		
1.0		TESTS				
1.0		Prescribed density tests on filling				
1.0	13.0	Modified AASHTO Density test	No	1		
1.0		SOIL POISONING				
1.0		Soil insecticide in accordance with SANS 5859				
1.0	14.00	Under floors etc, including forming and poisoning shallow furrows against foundation	m2	45		
1.0	15.00	To bottoms and sides of trenches, holes etc	m2	96		
BALANCE CARRIED FORWARD						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SECTION 2: BUILDING WORK						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.0		SECTION NO.1				
2.00		BILL NO. 2				
2.00		CONCRETE, FORMWORK AND REINFORCEMENT				
2.0		PREAMBLES				
2.00		For Preambles see "Model Preambles For Trades"				
2.00		SUPPLEMENTARY PREAMBLES				
2.0		Cost of tests The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor and to the approval of the architect. (Test cubes are measured separately)				
2.00		Formwork Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.				
2.0		Formwork to soffits of (solid) slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"				
2.00		UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
2.00		15MPa/19mm concrete				
2.00	1.00	Surface blinding under footings and bases	m3	2		
2.00		REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
2.00		20Mpa/19mm concrete				
2.00	2.00	Strip footings	m3	7		
2.00		REINFORCED CONCRETE				
2		25MPa/19mm concrete				
2	3	Surface beds	m3	2		
2	4	Pavings	m3	2		
BALANCE CARRIED FORWARD						0.00

Contractor	Witness 1	Witness 2	Employer	Witness 1	Witness 2

SECTION 2: BUILDING WORK						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE C R	AMOUNT R C
BALANCE BROUGHT FORWARD						
2	5	Slabs, including beams and inverted beams	m3	5		
2		30MPa/19mm concrete				
2	6	Stairs, including landings, beams and inverted beams	m3	2		
2		TEST CUBES				
2	7	Making and testing 150 x 150 x 150mm concrete strength test cubes (Provisional)	No	12		
2		CONCRETE SUNDRIES				
2		Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish				
2	8	Surface beds, slabs, etc	m2	21		
2		SMOOTH FORMWORK (DEGREE OF ACCURACY 1)				
2		Smooth formwork to sides				
2	9	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	21		
2		Smooth formwork to soffits				
2	10	Slabs	m2	5		
2	11	Stairs with sloping soffits	m2	5		
2		MOVEMENT JOINTS ETC				
2		Expansion joints with softboard between vertical concrete and brick surfaces				
2	12	10mm Joints not exceeding 300mm high along edges of surface beds	m	33		
2		REINFORCEMENT (PROVISIONAL)				
2		High tensile steel reinforcement to structural concrete work				
2	13	12mm Diameter bars	t	1		
2	14	10mm Diameter bars	t	0		
2		Fabric reinforcement				
2	15	Type 245 fabric reinforcement in concrete surface beds, slabs, etc	m2	45		
BALANCE CARRIED FORWARD						

Contractor	Witness 1	Witness 2	Employer	Witness 1	Witness 2

SECTION 2: BUILDING WORK						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3		SECTION NO.2				
3		BILL NO. 3				
3		MASONRY				
3		PREAMBLES				
3		For Preambles see "Model Preambles For Trades"				
3		BRICKWORK				
3		FOUNDATIONS (PROVISIONAL)				
3		Brickwork of NFX bricks (14 MPa nominal compressive strength) in class 1 mortar				
3	1	One brick walls	m2	34		
3		SUPERSTRUCTURE				
3		Brickwork of NFP bricks in class II mortar				
3	2	Half brick walls	m2	20		
3	3	Half brick in beamfilling	m2	10		
3	4	One brick walls	m2	133		
3	5	One brick walls in beamfilling	m2	4		
3		BRICKWORK SUNDRIES				
3		Joint forming material in movement joints				
3	6	12mm Fibre board built in vertically between brick skins	m2	2		
3		Brickwork reinforcement				
3	7	75mm Wide reinforcement built in horizontally	m	94		
3	8	150mm Wide reinforcement built in horizontally in foundation (Provisional)	m	1565		
BALANCE CARRIED FORWARD						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SECTION 2: BUILDING WORK						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
BALANCE BROUGHT FORWARD						
3	9	150mm Wide reinforcement built in horizontally	m	396		
3		Concrete prestressed fabricated lintels				
3	10	110 x 70mm Lintels in lengths not exceeding 3m	m	19		
3	11	110 x 70mm Lintels in lengths exceeding 3m and not exceeding 4,5m	m	7		
3		Turning pieces to lintels etc				
3	12	110mm Wide turning pieces	m	17		
3		Galvanised hoop iron cramps, ties, etc				
3	13	30 x 1,6mm Roof tie 1,5m long with one end built into brickwork and other end fixed to timber	No	26		
3		FACE BRICKWORK				
3		Face Bricks (PC Amount R 6,500.00 per thousand bricks delivered to site excluding VAT) pointed with square recessed horizontal and vertical joints				
3	14	Extra over brickwork in foundations for face brickwork (Provisional)	m2	8		
3	15	Extra over brickwork for face brickwork	m2	110		
3	16	Extra over brickwork to beamfilling for face brickwork	m2	5		
3	17	One brick walls faced both sides	m2	29		
3	18	Extra over brickwork for brick-on-edge header course lintels	m	18		
3	19	Fair cutting and fitting around pipe not exceeding 100mm external diameter	No	2		
3		Brick-on-edge header course copings, sills, etc of "Z" face bricks, pointed with flush (recessed?) joints on all exposed faces				
3	20	180mm Wide sills set sloping and slightly projecting	m	17		
3		PAVINGS				
3		Paving of double zig-zag (shape S-A) interlocking precast concrete paving blocks complying with SANS 1058, with butt joints on 20mm thick river sand bed with sand swept into joints, (preparation of ground or filling elsewhere) "LI"				
3	21	Paving of 60mm thick blocks including edge blocks	m2	24		
3		KERBING				
3		and pointing "LI"				
3	22	concrete base and 150 x 150 x 300mm overall unreinforced concrete haunching at back of each joint including excavation, backfilling, etc	m	15		
BALANCE CARRIED FORWARD						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SECTION 1: BUILDING WORK

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION NO.1				
4		BILL NO. 4				
4		WATERPROOFING				
4		PREAMBLES				
4		For Preambles see "Model Preambles For Trades"				
4		DAMP PROOFING				
4		One layer 250 micron "Gunplas USB Green" polyethylene waterproofing:				
4	1	On surface beds	m2	21		
4		One layer 375 micron embossed "Gunplas Brikgrip" polyethylene damp proof course fixed with approved adhesive:				
4	2	On walls	m2	14		
4		JOINT SEALANTS, ETC				
4		Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc.				
4	3	necessary	m	33		
BALANCE CARRIED FORWARD						

Contractor

Witness 1

Witness 2

SECTION 2: BUILDING WORK						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5		SECTION NO.2				
5		BILL NO. 5				
5		ROOF COVERINGS, CLADDINGS, ETC				
5		PREAMBLES				
5		For Preambles see "Model Preambles For Trades"				
5		PROFILED METAL SHEETING AND ACCESSORIES				
5		backing coat fixed to manufacturer's specifications on SA wooden truss system to				
5	1	Roof covering with a 17.5 degree pitch	m2	41		
5	2	Ridge capping 650mm girth	m	8		
5		ROOF AND WALL INSULATION				
5		50mm Thick aluminium foil faced fibreglass blanket				
5	3	fixed concurrent with roof covering with stapled longitudinal flap joints, including	m2	41		
BALANCE CARRIED TO FORWARD						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SECTION 2: BUILDING WORK						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6		SECTION NO.2				
6		BILL NO. 6				
6		CARPENTRY AND JOINERY				
6		PREAMBLES				
6		For Preambles see "Model Preambles For Trades"				
6		FACIAS, BARGE BOARDS, ETC:				
6	1	including steel jointing strips between lengths.	m	11		
6	2	steel jointing strips between lengths.	m	38		
6		DOORS ETC				
6		Solid core flush doors with commercial veneer, hung to steel frames				
6	3	40mm x 900 x 2080m High door	No	2		
6		Hardwood Wrought Meranti slatted door hung to steel frame				
6	4	40mm x 813 x 2080mm High door	No	2		
BALANCE CARRIED TO FORWARD						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SECTION 2: BUILDING WORK

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
7		SECTION NO.1				
7		BILL NO. 7				
7		CEILINGS, PARTITIONS AND ACCESS FLOORING				
7		PREAMBLES				
7		For Preambles see "Model Preambles For Trades"				
7		User note				
7		Fixing Items described as "nailed" shall be deemed to be fixed with hardened				
7		Ceilings Unless otherwise described ceilings shall be deemed to be horizontal				
7		NAILED-UP CEILINGS				
7		SUPPLEMENTARY PREAMBLES				
7		Openings Prices for openings for light fittings, ventilation grilles, air-conditioning				
7		6,4mm Gypsum plasterboard				
7	1	Ceilings including 50 x 50mm sawn softwood branderling at 500mm centres and	m2	36		
7	2	Extra over ceiling for 450 x 450 x 6mm thick pressed steel trap door, hinged to	No	1		
7		Gypsum plasterboard cornices				
7	3	75mm Coved cornices, plugged	m	69		
BALANCE CARRIED TO SUMMARY						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SECTION 2: BUILDING WORK						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8		SECTION NO.1				
8		BILL NO. 8				
8		IRONMONGERY				
8		PREAMBLES				
8		For Preambles see "Model Preambles For Trades"				
8		HINGES, BOLTS, ETC				
8	1	100mm Chromium plated butt hinges	No	8		
8		LOCKS				
8	2	Chromium plated two lever mortice lockset.	No	2		
8		Sundries				
8	3	Union CZ8731SC Rubber door stop.	No	2		
8		BATHROOM FITTINGS				
8		Kimberley Clark or similar approved				
8	4	Stainless steel toilet roll holder plugged	No	1		
BALANCE CARRIED TO SUMMARY						

Contractor	Witness 1	Witness 2	Employer 1	Witness 1	Witness 2

SECTION 2: BUILDING WORK						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
9		SECTION NO.2				
9		BILL NO. 9				
9		METALWORK				
9		PREAMBLES				
9		For Preambles see "Model Preambles For Trades"				
9		PRESSED STEEL DOOR FRAMES				
9		1,2mm Double rebated frames suitable for half brick walls				
9	1	Frame for door 900 x 2080mm high	No	2		
9		1,6mm Rebated frames suitable for one brick walls				
9	2	Frame for door 813 x 2080mm high	No	2		
9		ALUMINIUM WINDOWS, DOORS, ETC				
9		Note: Tenderers are referred to architect's drawings (window and door schedule)				
9		Note: All dimensions to be checked on site prior to construction. Clear silicone				
9		Powder coated casement window units of hollow extruded aluminium sections as				
9	3	Purpose made window, 2920 x 1190mm high	No	2		
BALANCE CARRIED TO SUMMARY						

Contractor

Witness 1

Witness 2

Employer

1

Witness 1

Witness 2

SECTION 2: BUILDING WORK						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
BALANCE BROUGHT FORWARD						
10		SECTION NO.2				
10		BILL NO. 10				
10		PLASTERING				
10		PREAMBLES				
10		For Preambles see "Model Preambles For Trades"				
10		SCREEDS				
10		Screeds on concrete				
10	1	30mm Thick on floors and landings	m2	37		
10	2	30mm Thick on treads and risers of stairs	m2	4		
10		INTERNAL PLASTER				
10		Cement plaster on brickwork				
10	3	On walls	m2	151		
10	4	On narrow widths	m2	5		
10		Cement plaster on concrete				
10	5	On ceilings	m2	15		
BALANCE CARRIED TO SUMMARY						

Contractor

Witness 1

Witness 2

Employer

1

Witness 1

Witness 2

SECTION 2: BUILDING WORK						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
BALANCE BROUGHT FORWARD						
11		SECTION NO.2				
11		BILL NO. 11				
11		TILING				
11		PREAMBLES				
11		For Preambles see "Model Preambles For Trades"				
11		WALL TILING				
11		Approved ceramic wall tiles (PC Amount of R200-00/m2 excluding VAT) fixed on 15mm plaster (elsewhere measured) flush pointed with tinted waterproof jointing compound and approved adhesive				
11	1	On walls	m2	13		
11		FLOOR TILING				
11		450 x 450mm Ceramic floor tiles (cost price of R 200.00/m2 delivered on site (net)				
11	2	On floors and landings	m2	37		
11	3	Skirting 100mm high	m	62		
11	4	On risers 170mm high	m	17		
11	5	On treads 300mm high	m	17		
BALANCE CARRIED TO SUMMARY						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SECTION 2: BUILDING WORK						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
12		SECTION NO.2				
12		BILL NO. 12				
12		PLUMBING				
12		PREAMBLES				
12		For Preambles see "Model Preambles For Trades"				
12		RAINWATER DISPOSAL				
12		0,6mm Galvanised sheet steel gutters and rainwater pipes				
12	1	100 x 75mm Roof box gutters with beaded front edge	m	17		
12	2	75 x 75mm Galvanized sheet iron seamless rainwater downpipe fixed to walls on	m	23		
12	3	Extra over gutter for outlet for 75 x 75mm pipe including galvanised wire balloon	No	4		
12	4	Extra over gutter for stopped end	No	4		
12	5	Extra over rainwater pipe for bend	No	4		
12	6	Extra over rainwater pipe for shoe	No	4		
12	7	Extra over rainwater pipe for eaves or plinth offset	No	4		
12		SOIL DRAINAGE				
12		uPVC class 34 pipes including excavation, bedding, backfilling and compaction				
12	8	110mm Pipes vertically or ramped to cleaning eyes etc (no excavation)	m	1		
12	9	110mm Pipes laid in and including trenches not exceeding 1m deep	m	6		
12		Extra over trench and hole excavations in earth for excavation in				
12	10	Soft rock	m3	1		
12	11	Hard rock	m3	1		
12		Extra over uPVC class 34 pipes for fittings				
12	12	110mm Bend	No	2		
12	13	110mm Junction	No	1		
12	14	110mm Access bend	No	1		
12	15	110mm Rodding eye	No	1		
12		uPVC Gully				
12	16	110mm Gully not exceeding 1mm deep formed of trap, vertical pipe and gully head	No	1		
BALANCE CARRIED TO SUMMARY						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SECTION 2: BUILDING WORK

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
BALANCE BROUGHT FORWARD						
12		Sundries				
12	17	Testing soil drainage system	Item	1		
12		MANHOLES				
12		Precast concrete manholes with medium duty concrete manhole cover and frame, frame bedded in 1:3 cement mortar, spacers bedded in 1:6 cement mortar and precast concrete slab including excavations, backfilling, compaction, risk of collapse, cartaway surplus material, 300mm thick unreinforced 20MPa/19mm concrete base projecting 75mm wide from walls, benching, junctions, channelling, and step irons all in accordance				
12	18	980mm diameter (internally) Precast concrete manhole not exceeding 1.0m deep internally	No	1		
12		SEWER CONNECTION				
12	19	Cutting into side of existing manhole chamber for and connecting 160mm pipe including inserting 160mm channel junction and making good concrete benching	No	2		
12		SANITARY FITTINGS				
12		Vaal or similar approved				
12	20	Orchid top inlet 90° wall hung open rim pan with heavy duty seat (flushing valve, elsewhere measure)	No	1		
12	21	Cameo ceramic fireclay 595x455mm oval self-rimming drop-in/vanity basin with three semi-punched tapholes, and chain stay hole through the centre semi-punched taphole. Supplied as standard without an overflow.	No	1		
12		WASTE UNIONS ETC				
12	22	32mm Chromium plated slotted basin waste union	No	1		
12		TAPS, VALVES, ETC				
12	23	15mm Chromium plated angle regulating valve	No	1		
12	24	15mm Chromium plated undertile stopcock	No	1		
12	25	15mm Chromium plated basin mixer with angle flow regulating valves	No	1		
12	26	15 x 350mm CP flexible connector	No	1		
12		SANITARY PLUMBING				
12		PVC-U soil and vent pipes				
12	27	50mm Pipes	m	2		
12	28	50mm Pipes chased into brickwork	m	4		
12	29	110mm Pipes	m	2		
12		Extra over PVC-U soil and vent pipes for fittings				
12	30	50mm Bend	No	4		
12	31	110mm Pan connector	No	1		
12	32	110mm Bend	No	3		
BALANCE CARRIED TO SUMMARY						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SECTION 2: BUILDING WORK						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
BALANCE BROUGHT FORWARD						
12	33	110mm Eccentric reducer	No	1		
12	34	110mm Access bend with anti-syphon horn	No	1		
12	35	110mm Air vent cowl	No	1		
12		Testing				
12	36	Testing waste pipe system	Item	1		
BALANCE CARRIED TO SUMMARY						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SECTION 2: BUILDING WORK						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
13		SECTION NO.2				
13		BILL NO. 13				
13		GLAZING				
13		PREAMBLES				
13		For Preambles see "Model Preambles For Trades"				
13		MIRRORS				
13	1	6mm Float glass multiple silvered mirror size 300 x 450mm with polished and	No	1		
BALANCE CARRIED TO SUMMARY						

Contractor	Witness 1	Witness 2	Employer	Witness 1	Witness 2

SECTION 2: BUILDING WORK						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
14		SECTION NO.2				
14		BILL NO. 14				
14		PAINTWORK				
14		PREAMBLES				
14		For Preambles see "Model Preambles For Trades"				
14		PAINTWORK, ETC TO NEW WORK ON				
14		FLOATED PLASTER SURFACES WITH				
14		One coat alkali resistant plaster primer and two coats PVA acrylic emulsion paint				
14	1	Internal walls	m2	143		
14		SMOOTH CONCRETE SURFACES WITH				
14		One coat alkali resistant plaster primer and two coats PVA acrylic emulsion paint				
14	2	Internal ceilings and beams	m2	15		
14		ON FIBRE-CEMENT BOARD SURFACES				
14		One coat alkali resistant primer and two coats superior quality acrylic emulsion				
14	3	Ceilings and cornices, including priming metal cover strips and nailheads	m2	36		
14	4	Fascias and barge boards not exceeding 300mm girth, including priming metal	m	49		
14		ON METAL SURFACES				
14		One coat alkyd based zinc phosphate primer and two coats premium quality				
14	5	Door frames	m2	4		
14	6	Gates, grilles, burglar screens, balustrades, etc (both sides measured over the full	m2	15		
14	7	Rails, bars, pipes, etc not exceeding 300mm girth	m	9		
14		WOOD SURFACES WITH				
14		One coat oil wood primer, one coat universal undercoat and two coats super				
14	8	Doors	m2	8		
BALANCE CARRIED TO SUMMARY						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SECTION 2: BUILDING WORK						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
15		SECTION NO.2				
15		BILL NO. 15				
15		PROVISIONAL SUMS ETC				
15		PREAMBLES				
15		For Preambles see "Model Preambles For Trades"				
15		NOMINATED/SELECTED SUBCONTRACT WORKS				
15		Balustrade and Handrails Installation				
15	1	Provide the amount of R 20 000.00 (Twenty Thousand Rand) for Balustrade and	Item	1		
15	2	Add for profit upon above, if required.	Item	1		
15	3	Attend upon the above, if required.	Item	1		
15		Electrical Installation				
15	4	Provide the amount of R 130 500.00 (One Hundred and Thirty Thousand Five	Item	1		
15	5	Add for profit upon above, if required.	Item	1		
15	6	Attend upon the above, if required.	Item	1		
15		Joinery Fittings Installation				
15	7	Provide the amount of R 10 000.00 (Ten Thousand Rand) for Joinery Fittings	Item	1		
15	8	Add for profit upon above, if required.	Item	1		
15	9	Attend upon the above, if required.	Item	1		
15		Timber Roof Installation				
15	10	Provide the amount of R 15 000.00 (Fifteen Thousand Rand) for Timber Roof	Item	1		
15	11	Add for profit upon above, if required.	Item	1		
15	12	Attend upon the above, if required.	Item	1		
BALANCE CARRIED TO SUMMARY						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SUMMARY OF BUILDING WORK						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SUMMARY OF BUILDERS WORK				
16	1	EARTHWORKS				
16	2	CONCRETE, FORMWORK AND REINFORCEMENT				
16	3	MASONRY				
16	4	WATERPROOFING				
16	5	ROOF COVERINGS, CLADDINGS, ETC				
16	6	CARPENTRY AND JOINERY				
16	7	CEILINGS, PARTITIONS AND ACCESS FLOORING				
16	8	IRONMONGERY				
16	9	METALWORK				
16	10	PLASTERING				
16	11	TILING				
16	12	PLUMBING				
16	13	GLAZING				
16	14	PAINTWORK				
16	15	PROVISIONAL SUMS				
BALANCE CARRIED TO SUMMARY						

CONSTRUCTION OF GUARDHOUSE, BOUNDARY WALL INCLUDING GATE, STORMWATER DRAINS, INSTALLATION OF MONITORING BOREHOLES AND DEWATERING SYSTEM AT GOUDKOPIES LANDFILL SITE

SECTION 2: EARTHWORKS, ETC.

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.0		EARTHWORKS, ETC.				
1.0		PREAMBLES				
1.0		For Preambles see "Model Preambles For Trades"				
1.0		TEMPORARY BARRICADES, SCREENS, ETC				
1.0		Temporary barricades, screens, roofs, etc including removal				
1.0	1.0	2100mm high Galvanised diamond mesh fence complete with all necessary post, including shade netting.	m	200		
1.0		REMOVAL OF EXISTING WORK				
1.0		Breaking down and removing precast concrete				
1.0	2.0	Breaking down and removing precast concrete pallisade fence	m	2800		
1.0		EXCAVATION, FILLING, ETC OTHER THAN BULK				
1.0		Excavation in earth not exceeding 2m deep				
1.0	3.0	Trenches	m3	2744		
1.0		Extra over bulk excavations in earth for excavation in				
1.0	4.0	Soft rock	m3	549		
1.0	5.0	Hard rock	m3	274		
1.0		Extra over all excavations for carting away				
1.0	6.0	Surplus material from excavations and/or stock piles on site to a dumping	m3	1221		
1.0		Risk of collapse of excavations				
1.0	7.0	Sides of excavations not exceeding 1,5m deep	m2	5488		
1.0		Keeping excavations free of water				
1.0	8.0	Keeping excavations free of all water other than subterranean water	Item	1		
BALANCE CARRIED FORWARD						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SECTION 2: EARTHWORKS, ETC.

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
BALANCE BROUGHT FORWARD						
1.0		<u>FILLING ETC</u>				
1.0		Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density				
1.0	9.0	Backfilling to trenches, holes, etc	m3	762		
1.0		G5 Imported filling of natural gravel material supplied by the contractor, compacted to 93% Mod AASHTO density				
1.0	10.0	Backfilling to trenches, holes, etc	m3	762		
1.0		SOIL POISONING				
1.0		Soil insecticide in accordance with SANS 5859				
1.0	11.0	To bottoms and sides of trenches, holes etc	m2	8260		
BALANCE CARRIED TO SUMMARY						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

CONSTRUCTION OF GUARDHOUSE, BOUNDARY WALL INCLUDING GATE, STORMWATER DRAINS, INSTALLATION OF MONITORING BOREHOLES AND DEWATERING SYSTEM AT GOUDKOPIES LANDFILL SITE

SECTION 2: CONCRETE, FORMWORK AND REINFORCEMENT

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.0		CONCRETE, FORMWORK AND REINFORCEMENT				
2.0		PREAMBLES				
2.0		For Preambles see "Model Preambles For Trades"				
2.0		SUPPLEMENTARY PREAMBLES				
2.0		Cost of tests The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor and to the approval of the architect. (Test cubes are measured separately)				
2.0		Formwork Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.				
2.0		Formwork to soffits of (solid) slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"				
2.0		UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
2.0		15MPa/19mm concrete				
2.0	1.0	Surface blinding under footings and bases	m3	224		
2.0		REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
2.0		20Mpa/19mm concrete				
2.0	2.0	Strip footings	m3	840		
2.0		REINFORCED CONCRETE				
2.0		25MPa/19mm concrete				
2.0	3.0	Walls	m3	1680		
2.0		TEST CUBES				
2.0	4.0	Making and testing 150 x 150 x 150mm concrete strength test cubes (Provisional)	No	420		
2.0		ROUGH FORMWORK (DEGREE OF ACCURACY II)				
2.0		Rough formwork to sides				
2.0	5.0	Walls	m2	16800		
BALANCE CARRIED FORWARD						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SECTION 2: CONCRETE, FORMWORK AND REINFORCEMENT						
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
BALANCE BROUGHT FORWARD						
2.0		<u>REINFORCEMENT (PROVISIONAL)</u>				
2.0		High tensile steel reinforcement to structural concrete work				
2.0	6.0	12mm Diameter bars	t	127		
2.0	7.0	10mm Diameter bars	t	78		
BALANCE CARRIED TO SUMMARY						

ContractorWitness 1Witness 2EmployerWitness 1Witness 2

CONSTRUCTION OF GUARDHOUSE, BOUNDARY WALL INCLUDING GATE, STORMWATER DRAINS, INSTALLATION OF MONITORING BOREHOLES AND
DEWATERING SYSTEM AT GOUDKOPIES LANDFILL SITE

SECTION 8: WATERPROOFING

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3.0		<u>WATERPROOFING</u>				
3.0		PREAMBLES				
3.0		For Preambles see "Model Preambles For Trades"				
3.0		DAMP-PROOFING OF WALLS AND FLOORS				
3.0		4mm "Derbigum SP" waterproofing				
3.0	1	On walls	m2	4,928		
BALANCE CARRIED TO SUMMARY						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**CONSTRUCTION OF GUARDHOUSE, BOUNDARY WALL INCLUDING GATE, STORMWATER DRAINS, INSTALLATION OF MONITORING BOREHOLES AND
DEWATERING SYSTEM AT GOUDKOPIES LANDFILL SITE**

SECTION 8: SUBSOIL DRAINAGE

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		<u>SUBSOIL DRAINAGE</u>				
		PREAMBLES				
		For Preambles see "Model Preambles For Trades"				
		SUBSOIL DRAINAGE				
	1	20mm Crushed stone encasing to pipes	m3	252		
	2	Geofabric filter blanket wrapped around 300 x 300mm stone	m2	3,360		
		Slotted PVC-U flexible drainage pipes				
	3	160mm Pipes laid in stone encasing (encasing elsewhere)	m	2800		
		Extra over slotted PVC-U flexible drainage pipes for fittings				
	4	160mm End cap	No	8		
	5	160mm Bend	No	6		
	6	160mm Junction	No	6		
		WEEP HOLES				
		<u>uPVC pipes</u>				
	7	50mm Pipes	m	840		
BALANCE CARRIED TO SUMMARY						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

CONSTRUCTION OF GUARDHOUSE, BOUNDARY WALL INCLUDING GATE, STORMWATER DRAINS, INSTALLATION OF MONITORING BOREHOLES AND DEWATERING SYSTEM AT GOUDKOPIES LANDFILL SITE

SECTION 9: STORMWATER DRAINS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
9.1	SABS	<u>DRAINS</u>				
	1 200	site clearance				
	8.3.1	Clear and strip site	m²	1000		
	8.3.1.2	Remove topsoil to nominal depth 150 mm (or other stated depth), stockpile	m²	1000		
		Demolition and removing existing concrete drains	m	600		
		Earthworks				
		<u>EXCAVATION FOR STORMWATER CUT-OFF DRAINS</u>				
		a) Deeper than 0.0m but not exceeding 1.0m	m3	1200		
		b) Deeper than 1.0m but not exceeding 1.5m	m3	55		
		Extra-over item 2.2.1 for excavation in hard rock (Provisional)	m3	Rate only		
		Trimming of excavations to specified dimensions and levels	m²	2000		
		Carting away, dumping, trimming and compaction in layers not exceeding 300mm to 95% MOD of excess material from excavations	m3	450		
		Concrete				
		a) Cast in situ concrete lining Class 25/19	m3	540		
		b) Class F2 surface finish	m²	2000		
		Formwork				
		Formwork to cast in situ concrete lining for open drains (class finish):				
		(b) Two sides with steel formwork on both internal and external faces (each side)	m²	260		
		(c) Ends of slabs	m²	177		
		Steel Reinforcement				
		High tensile Mesh, Ref.395	m²	3000		
BALANCE CARRIED FORWARD						

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SECTION 9: STORMWATER DRAINS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
BALANCE BROUGHT FORWARD						
	SABS 1200 MK	<u>STORM WATER PIPES</u> Drawing refers : site clearance				
	8.3.1	Clear and strip site	m2	0		Rate only
	8.3.1.2	Remove topsoil to nominal depth 150 mm (or other stated depth), stockpile and maintain	m2	0		Rate only
		Earthworks				
		<u>EXCAVATION FOR STORMWATER PIPES</u>				
		a) Deeper than 0.0m but not exceeding 1.0m	m3	0		Rate only
		b) Deeper than 1.0m but not exceeding 1.5m	m3	0		Rate only
		Extra-over item 2.2.1 for excavation in hard rock (Provisional)	m3	0		Rate only
		Carting away, dumping, trimming and compaction in layers not exceeding 300mm to 95% MOD of excess material from excavations	m3	0		Rate only
		Backfilling				
		a) using the excavated material	m3	0		Rate only
		b) using imported material	m3	0		Rate only
		c) Extra over subitems a) and b) for soil cement backfilling with 8% cement	m3	0		Rate only
		Stormwater Pipes				
		Supply, handle, lay and bed stormwater pipes on class B bedding for class 100D concrete pipes				
		a) 450mm dia	m	0		Rate only
		b) 525 mm dia	m	0		
		c) 600mm dia	m	0		Rate only
		d) 675mm dia	m	0		
		e) 1200mm dia	m	0		Rate only
		Structures				
		Construction of brick inlet/outlet structures				
		a) 600mm dia	No	0		Rate only
		b) 1200mm dia	No	0		Rate only
		Portal and rectangular culverts:				
		On class D bedding: 1200mm dia	No	0		Rate only
BALANCE CARRIED TO SUMMARY						

Contractor

Witness 1

Witness 2

Employer

Witness 1

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CONSTRUCTION OF GUARDHOUSE, BOUNDARY WALL INCLUDING GATE, STORMWATER DRAINS, INSTALLATION OF MONITORING BOREHOLES AND DEWATERING SYSTEM AT GOUDKOPIES LANDFILL SITE

SECTION 14: PROVISIONAL SUMS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
14.1		<u>PROVISIONAL SUMS</u>				
14.2		<u>Gates and Razor Wire Installation</u>				
14.13	4	Provisional sum of R 135 000.00 (One Hundred and Thirty Five Thousand Rand) for Gates and Razor Wire Installation	Prov Sum	1	135,000.00	135,000.00
	6	Contractor Mark up (Profit, attendance and handling fees) for items 14.1 to 14.12 as percentage	%	135,000.00		
		<u>NOMINATED SUBCONTRACT WORKS</u>				
		Provisional sum for supply and installation of Water dewatering system to DG1	Prov Sum	1	1,496,118.83	1,496,118.83
		Provisional sum for Monitoring Borehole Re- instatement	Prov Sum	1	896,416.68	896,416.68
		Contractor Mark up (Profit, attendance and handling fees) for items 14.1 to 14.12 as percentage	%	2,392,535.51		
14.13		Contractor Mark up (Profit, attendance and handling fees) for items 14.1 to 14.12 as percentage	%	3,172,000.00		
BALANCE CARRIED TO SUMMARY						

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Contractor	Witness 1	Witness 2	Employer	Witness 1	Witness 2

CONSTRUCTION OF GUARDHOUSE, BOUNDARY WALL INCLUDING GATE, STORMWATER DRAINS, INSTALLATION OF MONITORING BOREHOLES AND DEWATERING SYSTEM AT GOUDKOPIES LANDFILL SITE

SUMMARY OF SCHEDULE OF QUANTITIES AND CALCULATION OF TENDER SUM									
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Witness 1

Employer

Witness 2