

	SUB-TOTAL CARRIED FORWARD				R	-
33	50mm River sand under paving	m3	107		R	-
	<u>Soil stabilization mix</u>					
34	Cement and soil mix for a depth of 1000mm between the foundation bases (10Mpa required strength)	m3	250		R	-
	<u>SOIL POISONING</u>					
	<u>Approved soil insecticide applied according to manufacturer's specification including 50mm sand cover</u>					
35	To sides and bottom of trenches and holes, etc.	m2	12 879		R	-
	<u>CONCRETE FORMWORK AND REINFORCEMENT</u>					
	Supervision					
	A competent and experienced foreman shall supervise personally					
	The quality, testing and mixing of materials;					
	The placing and compaction of concrete;					
	The construction and removal of formwork; and					
	The sizes and position of the reinforcement					
	The contractor shall obtain the permission of the engineer or principal agent before commencing concreting of foundations, surface beds and reinforced structure					
	No inspection, approval, authorisation to proceed, comment or instructions following from such an					
	inspection, or failure of the engineer or principal agent to comment on any particular aspect of the work shall be					
	deemed to relieve the contractor in any way from his obligation to ensure through his own supervision that the					
	work is constructed in every way in accordance with the drawings, specifications and conditions of contract, nor					
	relieve him from his obligations to make good any fault or defect, nor shall it be deemed that there is any					
	obligation on the engineer or principal agent to inspect all or any part of the works or that such inspection is					
	necessarily complete in every respect					
	REINFORCEMENT					
	Standard welded steel fabric reinforcement shall be as					
	Included in Table 1 of SANS 1024 and shall have					
	300mm wide laps					
	The mass of binding wire is not included in the mass of the reinforcement and the cost thereof must be included in the rates for reinforcement					
	CONCRETE IN FOUNDATIONS (PROVISIONAL)					
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES					
	15MPa/19mm concrete,					
36	Blinding, 50mm thick	m3	27		R	-
	SUB-TOTAL CARRIED FORWARD				R	-

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	SUB-TOTAL CARRIED FORWARD				R	-
	REINFORCED CONCRETE FOUNDATION (In accordance to manufacturer specification)					
	<u>25MPa/19mm concrete</u>					
37	Surface beds cast on waterproofing membrane (Approach slab to Entrance)	m3	6		R	-
	<u>35MPa/19mm concrete</u>					
38	Strip footings	m3	90		R	-
	<u>50MPa Concrete</u>					
39	1000 x 1200 x 1000 reinforced concrete bases	m3	130		R	-
	<u>Soil stabilization mix</u>					
40	Cement and soil mix for a depth of 1000mm between the foundation bases (10Mpa required strength)	m3	250		R	-
	PRECAST CONCRETE FOUNDATION BASES (In accordance to manufacturer specification)					
	PRECAST CONCRETE					
	<u>Pre-cast concrete wall with minimum 400mm deep below natural ground level anti dig barrier</u>					
41	50Mpa 5000mm wide and 150mm thick hollow panels (210kg/m2), stacked to a height of 3600mm in accordance to engineer's details	m2	1 800		R	-
	<u>Precast Concrete Columns</u>					
42	50Mpa 310 x 310mm column and grout in column installed to a height of 4000mm into base with non shrink grout	No	91		R	-
	<u>Soil stabilization mix</u>					
43	Cement and soil mix for a depth of 1000mm between the foundation bases (10Mpa required strength)	m3	250		R	-
	CONCRETE SUNDRIES					
	<u>Finishing top surfaces of concrete smooth with a wooded float</u>					
44	Surface beds, slabs, etc	m2	372		R	-
	Formwork					
	Description 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.					
	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"					
	Degree of accuracy of formwork: Grade 2 as SABS 1280G					
45	Rough formwork to sides	m2	300		R	-
	SUB-TOTAL CARRIED FORWARD				R	-

	SUB-TOTAL CARRIED FORWARD				R	-
	<u>Reinforcement (Provisional)</u>					
	High tensile steel reinforcement in structural concrete work					
46	12mm Diameter bars	t	8		R	-
47	10mm Diameter bars	t	6		R	-
	<u>Fabric reinforcement</u>					
48	Ref. 395 mesh in surface beds, slabs, etc.	m2	32		R	-
	<u>MOVEMENT JOINTS (PROVISIONAL)</u>					
	<u>Vertical joggle construction joints through concrete including lime wash or bitumen applied to exposed joint surface</u>					
49	Surface beds not exceeding 300mm thick (Gate concrete paving)	m	16		R	-
	<u>MASONRY (PROVISIONAL)</u>					
50	400 x 400 x 3600mm high Brick pier above ground, with at least 3 courses in foundation as per Engineer's specifications including required brickwork sundries	m3	1,24		R	-
	"Old world" type mini pyramid or similar and approved precast copings					
51	440 x 440mm precast capping to brick pier	No	2		R	-
	<u>WATERPROOFING (PROVISIONAL)</u>					
	DAMP PROOFING OF WALLS AND FLOORS					
	One layer of 250 micron green polyethylene waterproof sheeting to SANS Specification 952 Type C sealed at laps with pressure sensitive tape					
52	Under surface beds (Approach slab at Entrance)	m2	32		R	-
	<u>METALWORK (PROVISIONAL)</u>					
	Descriptions					
	Descriptions of bolts shall be deemed to include nuts and washers Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described					
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete					
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described					
	Purpose made welded, framed and bolted gate formed from 75 x 50 x 2.5mm rectangular tubing frame fixed to walls with M10 rawl bolts, 50 x 30 x 2mm rectangular tube frame with 16mm solid rods welded between the frame at 100mm centres, including two hinges formed out of 19 x 2mm thick mild steel piping and a 50mm brass padlock with stainless steel shackle. (See details on drawing 01/002)					
	SUB-TOTAL CARRIED FORWARD				R	-

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	SUB-TOTAL CARRIED FORWARD				R	-
53	Single gate, size 6 000 x 3 256mm high overall	No	1		R	-
	<u>PALISADE FENCING (PROVISIONAL)</u>					
	<u>RESTRICTED EXCAVATION</u>					
	Excavate for restricted foundations, footings and trenches in all material for backfill or embankment or dispose not exceeding 2m deep					
54	Holes	m3	4		R	-
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>					
	15MPa/19mm concrete,					
55	35MPa/19mm concrete	m3	1,204		R	-
	Steel palisade (galvanized) fencing with 125 x 125 x 3mm pyramid column cappings, of 50 x 50 x 5mm angle top and bottom rails, 35 x 35 x 3mm angle iron verticals welded to horizontal supports at 160mm centres and posts of 100 x 100 x 3mm mild steel columns at 2720mm centres cast in and cast into 400 x 400 x 400mm concrete bases. Engineer to confirm specification					
56	Palisade security fencing 2 100mm high	m	51		R	-
	<u>PAVING</u>					
57	Install 80mm 30MPa, interlocking paving	m2	2 141		R	-
58	200mm x 200mm wide edge thickening at the approach end of the slab	m	51		R	-
	<u>DRAINAGE (PROVISIONAL)</u>					
	<u>Weep holes</u>					
59	50mm diameter pvc weep holes through wall @ 5000mm c/c	No	91		R	-
	<u>Backfilling</u>					
60	Rock backfilling (pourous material for water flow)	m3	300		R	-
	<u>Drainage</u>					
61	150mm diameter perforated geo-tech drainage pipe	m	500		R	-
	<u>SECURITY (PROVISIONAL)</u>					
	<u>Razor Wire</u>					
62	600mm high galvanised high tensile steel flat wrap razor wire	m	500		R	-
	<u>WALKWAY (PROVISIONAL)</u>					
	<u>Compaction of surfaces</u>					
63	Compaction of ground surface under walkways as required	m2	13		R	-
	<u>Relay paving to walkways (from stock piles)</u>					
64	80mm thick	m2	13		R	-
	<u>RELOCATION OF EXISTING SERVICES (PROVISIONAL)</u>					
	<u>Breakup remove and relocate or decommission existing services</u>					
65	1000 x 1000mm Concrete manholes	No	1		R	-
	SUB-TOTAL CARRIED FORWARD				R	-

ITEM	DESCRIPTION	UNIT	QTY	SUPPLY	INSTALL	TOTAL
	SECTION NO. 3					
	External and Perimeter Lighting (Bidders prices to be all inclusive of supply and installation rates, the site condition must also consider site condition and no additional claims will be entertained)					
1	1,5 mm ² twin and earth cable	m	165			
2	6 mm ² 4-core PVC/SWA/PVC 600/1000V cable	m	530			
3	4 mm ² BCEW	m	530			
4	50 mm diameter ribbed trench sleeve.	m	10			
5	110 mm diameter ribbed trench sleeve.	m	20			
6	Concrete manhole, 1 m diameter, with concrete cover slab and concrete lid (inclusive of poured cement floor and core drilling for sleeve entries).	sum	1			
7	70 mm ² 4-core PVC/SWA/PVC 600/1000V cable	m	24			
8	35 mm ² BCEW	m	24			
9	Terminations of 70 mm ² 4-core PVC/SWA/PVC 600/1000V cable and 35 mm ² BCEW (inclusive of armour cable glands).	ea	4			
10	CBI QF-3(13) 6 kA, 20 A 3-pole circuit breaker (perimeter lights circuit and maintenance override "circuit" feed to photocell)	ea	1			
11	Trenching in soft soil (600 (d) x 300 (w))	m3	88,2			
12	Backfilling from trenched stockpile	m3	88,2			
13	Electrical PVC warning tape 150 mm wide	m	490			
14	LED Flood Light (131 Watt), 4 000K LED colour temperature, Optic 5366, with back lighting control, with OEM integrated photocell and with spigot type U-bracket side entry. (see LED Flood Light specification)	ea	20			
15	Pratlok stud lock Grade 20+ (Red)	sum	1			
16	Pratley Z-Gland - Size No 1. (Engineering polymer, not PVC)	ea	38			
17	Original Equipment Manufacturer (OEM) Glass Fibre Reinforced Polyester (GRP) pole of 9.2 m total length. Access opening 1.7 m from bottom of pole. Access opening to contain gland plate with two mounting holes for No 1 glands and terminal block for termination of 2 x 6 mm ² 4-core cable and 4mm ² BCEW. Access opening cover to be secured with stainless steel, anti-tamper bolts. Retaining bolts thread to be completely covered with Pratlok stud lock Grade 20+ (Red) before installation. Pole with single side entry spigot at 15° elevation (1 x 42 mm x 150 mm) hot dipped galvanised insert moulded in. Poles to be ordered without cable entries. Cable entries to be cut on site with hole saw of nearest size to 34mm diameter. To be cut 260 mm from bottom of pole and in line with cable in/out cable route (trench route). Install rate will be inclusive of labour and equipment to cut cable entries.	ea	20			
18	CRX stainless steel enclosure, IP65, with dimensions 1 000 (h) x 800 (w) x 300 mm (d), inclusive of all mounting rails, backing plate, neutral, earth and phase bars (inclusive of roll bolts and panel washers for anchoring to concrete plinth).	ea	1			
	SUB-TOTAL CARRIED FORWARD					

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SUB-TOTAL CARRIED FORWARD						
ITEM	DESCRIPTION	UNIT	QTY	SUPPLY	INSTALL	TOTAL
19	25 Mpa Concrete plinth (300 (d) x 1200 (w) x 700 mm) - Kiosk plinth, inclusive of steel mesh reinforcing. (200 mm deep and 100 mm raised above soil level)	ea	1			
20	25 Mpa Concrete plinth (900 (d) x 450 x 450 mm) - Post top plinths. (800 mm deep and 100 mm raised above soil level)	ea	20			
21	Eskom connection.	sum	1			
22	COC	sum	1			
23	Municipal three-panel distribution kiosk for metering and main breakers for 250KVA supply as per supply authority requirements	sum	1			
24	Handover files, three sets with one set containing all original documentation. Documentation will include as built drawings, COC's, brochures and pamphlets of ALL equipment and consumables used during the execution of the project.	sum	1			
				TOTAL		

NOTES (Specifications to be complied with)

- 1 No draw boxes, enclosures, saddles, raised saddles, surface mount luminaires etc may be fixed using knock-in/nail-in plugs and screws. All fixings will utilise fischer plugs and screws.
- 2 All PVC elbows will be of the slow bend type.
- 3 Pricing of all conduit related works will be inclusive of the supply and installation of all fittings (couplers, male adaptors, elbows etc) and fixtures.
- 4 Pricing of cabling related works will be inclusive of the supply and installation of all heathshrink.
- 5 All externally mounted conduit will be galvanised conduit with galvanised saddles.
- 6 All internally mounted conduit within ceiling void will be PVC conduit with PVC saddles.
- 7 Saddles for ceiling void conduit will be fixed to the top surface of wooden trusses with appropriately sized galvanised wood screws.
- 8 All PVC conduit installations into elbows, couplers and male adaptors will be done with PVC Weld.
- 9 6 mm² 4-Core PVC/SWA/PVC 600/1000 V cable and 4 mm² BCEW:
For installation from distribution kiosk, to perimeter lighting gland plates.
- 10 The top surface of plinths for light poles will be 100 mm above natural ground level and will be boxed before casting to ensure a square profile above ground.
- 11 No PVC compression glands will be allowed
- 12 COC will cover the contractor's entire electrical installation. Cost of COC will include legends, labeling and numbering.
- 13 All equipment removed from the site in preparation of installations will remain the property of the South African Police Service.

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MAKHAZA BOUNDARY WALL - FINAL SUMMARY		
SECTION NO	DESCRIPTION	AMOUNT
	<u>FINAL SUMMARY</u>	
1	Preliminaries and General	R -
2	Boundary Wall	R -
3	Electrical Works	R -
SUB TOTAL		R -
ADD: 10 % CONTEGENCY		R -
SUB TOTAL		R -
ADD: 15% VAT		R -
TOTAL CARRIED FORWARD TO TENDER FORM		R -

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**APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF
CONCRETE BOUNDARY WALL AND INSTALLATION OF NEW GATE:
MAKHAZA POLICE STATION: WESTERN CAPE PROVINCE**

BID: 19/1/9/1/150TB(22)

PART C

CONTRACT

PART C.3

SCOPE OF WORK AND DRAWINGS

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WESTERN CAPE PROVINCE: MAKHAZA POLICE STATION: APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF A NEW PRECAST CONCRETE BOUNDARY WALL AND INSTALLATION OF A NEW SECURITY GATE

SUID-AFRIKAANSE POLISIEDIENS



SOUTH AFRICAN POLICE SERVICE

ANNEXURE A

2023-02-27-Rev 0

WESTERN CAPE PROVINCE: MAKHAZA POLICE STATION: APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF A NEW PRECAST CONCRETE BOUNDARY WALL AND INSTALLATION OF A NEW SECURITY GATE

PROJECT CODE:

SCOPE OF WORK FOR THE APPOINTMENT OF A CONTRACTOR TO CONSTRUCT A NEW PRE-CAST CONCRETE BOUNDARY WALL AND INSTALL A NEW VEHICLE SECURITY GATE AT MAKHAZA POLICE STATION.

A1. PROJECT BACK GROUND

ERF 75169 of ERF 59037 has been approved for the construction of a new police station known as Makhaza SAPS. The site is currently vacant with boundary wall and fences from the adjacent neighbouring properties. The construction of the new precast concrete wall is the first phase of the project activation.

A2. LOCATION OF THE SITE

Makhaza SAPS
ERF 75169 of ERF 59037
Khayelitsha
Cape Town
7100
Area of Site: 10 229 m²

A3. SCOPE OF WORKS

Works included in this contract comprises of services to construct a new boundary wall on the perimeter of the Makhaza SAPS that includes:

WESTERN CAPE PROVINCE: MAKHAZA POLICE STATION: APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF A NEW PRECAST CONCRETE BOUNDARY WALL AND INSTALLATION OF A NEW SECURITY GATE

- Construct new pre-cast concrete boundary wall.
- Construct new high tensile steel fence.
- Install new vehicle security gate at the main entrance.
- Supply and install electrical lighting

The works shall be done as per drawings, annexures, and scope of work, specifications and some applicable legislative requirements. This project requires an experienced contractor to execute the job.

The Contractor shall supply all labor, materials tools, equipment, workshop, supervision, security and other related items required to complete the project as per the scope of work, specifications and attached drawings.

Contractors are advised to visit the site, verify the existing site conditions, measurements and any related project information.

The key activities are as follows:

A3.1 General

Contractor to:

- Undertake the relevant and necessary risk assessment.
- Cordon off/barricade work area in a safe and effective manner.
- Clear site of all obstacles impeding the intended construction.
- Identify any existing services or equipment at risk of damage due to the construction activities and protect in a safe and effective manner.

A3.2 Land Surveyor

The contractor shall ensure that the setting out for the construction of the perimeter boundary wall is carried out by a Land surveyor.

- Establish and confirm the legal setting out position and boundaries of the police station site.
- Relocate or mark any existing or new survey beacons and benchmarks clearly with white rocks and iron pegs in concrete.

WESTERN CAPE PROVINCE: MAKHAZA POLICE STATION: APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF A NEW PRECAST CONCRETE BOUNDARY WALL AND INSTALLATION OF A NEW SECURITY GATE

- Provide a certificate confirming the survey work undertaken and the re-establishment of the beacons / pegs.
- Undertake the setting out of the boundary wall on behalf of the contractor, ensuring that there are no encroachments with the neighboring sites.

NOTE: It is the contractor's responsibility to ensure that his/her pricing make provision for the appointment of a Land Surveyor.

A3.3 Geotechnical Investigation (Provisional)

There is an existing geotechnical report of the site, which was carried out in 2014 as part of the site clearance for the construction of a new police station. The contractor shall verify soil conditions based on the report. If the conditions are not the same as the report, the contractor shall ensure that a geotechnical assessment is carried out by a geotechnical engineer in order to determine the conditions to be used for the foundation.

- Undertaken geotechnical investigations inclusive of all necessary tests to determine the soil conditions along the perimeter of the new boundary wall.
- Provide recommendations and implementation on the ground preparations based on the outcome of the geotechnical investigations to accommodate the bearing pressure applied by the wall foundations.

A3.4 Civil and Structural Engineer

The contractor shall ensure that the designs are certified by a registered professional civil and structural engineer.

- Design the boundary wall to suit soil conditions and wind pressures.
- Design appropriate storm water management to ensure effective drainage away from the boundary wall.
- Oversee and certify the construction.

A3.5 New Precast Concrete boundary wall

- Excavate all materials required to reveal and prepare ground to suit the soil conditions.
- Cast new reinforced concrete foundations.
- Construct the barrier wall columns to engineer's details and specifications.
- Supply and install precast concrete wall panels, inclusive of anti-dig barrier to engineer and manufacture's details and specifications.

A3.6 New High Tensile Steel Fence

- Excavate all materials required to reveal and prepare ground to suit the soil conditions.
- Cast new reinforced concrete foundations.
- Construct the barrier wall columns to engineer's details and specifications.
- Supply and install precast concrete wall panels to engineer and manufacture's details and specifications.
- Construct a single clamber high tensile steel fence to SAPS architect and manufacturer's details and specifications.

A3.7 New security gate

- Install new vehicle security gate as per Architect's drawing, inclusive of approach slab on both sides of the gate.

A4. CONTRACT PERIOD

The total contract period will be 05 months (Five months), including builder's recess and statutory holidays, from the date of site hand over from SAPS.

The successful bidder shall submit a program, within FOURTEEN days after the contract award, showing a detailed order of procedure. The program shall reflect the completion times as reflected on the bid form and the program shall include a bar chart to show the proposed scheduling and the resources to be allocated to each item or phase of the work.

A5. SITE FACILITIES AVAILABLE

A5.1 Water Supply

The contractor must provide his/her own water supply during construction.

A5.2 Electrical Supply

The contractor must provide his/her own electrical supply during construction.

A5.3 Ablution facilities

The contractor must provide his/her own ablution facilities during construction.

A6. FEATURES REQUIRING SPECIAL ATTENTION

A6.1 Existing Services and Equipment

- The Contractor shall make himself acquainted with the position of all existing services/equipment and will be held responsible for injury to existing services.
- Any damage caused by or arising out of the contractor's operations shall be made good at his/her own expense.
- The Contractor shall adequately support in position and protect from damage any service/equipment which may become exposed by his/her activity or rendered liable to damage by reason of the work in hand.

A6.2 Surveyed Beacons (Where applicable)

Boundary pegs and a benchmark to be established on site by contractor. The Contractor shall acknowledge in writing if necessary setting out information before commencing excavation operations.

A6.3 Use of Plant/Machinery

The contractor shall be deemed to have established before tendering the extent to which plant/machinery can be used for the contract.

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A6.4 Technical Expertise

- Civil And Structural Engineer

The contractor shall ensure that the design and construction of the new perimeter wall is designed and certified by a registered professional civil and structural engineer in terms of the Engineering Profession Act 2000 (act no. 46 of 2000). The civil and structural engineer will take full responsibility of the design and construction of the perimeter wall.

Bi-weekly inspections to be done during the construction of the wall. The contractor must supply the client (SAPS) with the following:

- Monthly report from the civil and structural engineer.
- Completion certificate (COC)

NOTE: It is the contractor's responsibility to ensure that his/her pricing make provision for the appointment of a registered professional civil and structural engineer in terms of the Engineering Profession Act 2000 (act no. 46 of 2000).

A6.5 Priced Bills Of Quantities

The priced Bills of Quantities complete with all tender rates and summaries, etc. must accompany the bid documents. Failure to comply with may lead to disqualification.

A6.6 Payments

All claims for interim payments must be approved and certified by the SAPS representative.

A6.7 Insurance

- The contractor shall be responsible for insurance of the project from the date of the site hand-over until final completion. The insurance shall include, but not limited to, theft of material, natural disasters and damage to material or installed infrastructure due to riots. The contractor shall be responsible to replace the stolen or damaged materials within 30 Calendar days from the date of the incident reported.
- The contractor shall ensure that the Professional Civil and Structural Engineer are responsible for their own liability insurance on the project.

A7. MATERIALS

A7.1 Material and Equipment Data Sheet

The contractor shall submit all material and equipment data sheets for employer to accept before any works may commence.

A7.2 Structural Elements supplied by the contractor

All structural items supplied by the contractor shall be certified by a registered professional engineer in terms of the Engineering Act 46 of 2000.

A7.3 Proprietary Materials

All proprietary materials utilized by the contractor for the purpose of the works shall be applied in accordance with the manufacturer's instructions for each such material.

Where a specific product or brand name has been used, similar approved product carrying or exceeding same product specification is deemed to have been considered. A sample of such product shall be presented to the SAPS for approval before it is procured.

A8. LOCAL PARTICIPATION

A8.1 Community Liaising Officer (CLO)

The contractor shall make provision for the appointment of a community liaising officer (CLO) which will negotiate and communicate with the local community. It shall form part of the bill of quantities and pricing submitted by the contractor.

NOTE: It is the contractor's responsibility to liaise and verify with the community on the rate of Community Liaising Officer.

A8.2 General Labour

- It is an explicit condition of this bid that only persons who reside within the locality of the works (local labour) may be employed on the contract. Provided, however, that should adequate and appropriate labour not be available within the locality, other labour may be employed subject to satisfactory proof being provided that every reasonable endeavor has been made to employ labour from the immediate locality.
- The contractor shall employ the local labour through the community structures.

NOTE: It is the responsibility of the Contractor to familiarize themselves with the local Gazetted rates.

A9. DRAWINGS AND DOCUMENTATION

A9.1 Drawings included in the tender documentation

- Approved Surveyor General Diagram.
- Site Layout – A100
- Precast concrete wall detail, drawing 01/001
- Main entrance gate, drawing 01/002
- Tensile steel fence, drawing 01/003
- Electrical layout, drawing 01/005

A9.2 Construction Drawings

- The Contractor shall produce construction drawings approved by the professional engineer and SAPS representative. All information necessary for construction shall be reflected on the relevant drawings.
- The Contractor to ensure they are in possession of the latest signed off "Issued for Construction" and/or latest revised drawings for the purpose of constructing.

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A9.3 Documentation

The contractor will be issued with the specifications of the boundary wall, included in the scope of works as Annexure B.

The specifications include the following:

- Minimum specification and requirements for construction of pre-cast concrete wall
- Minimum specification and requirements for construction of High Tensile Steel Fence
- Minimum specification and requirements for installation of vehicle security gate

A10. QUALITY ASSURANCE AND INSPECTION

All works to be undertaken in terms of the relevant SANS documentation.

A10.1 Construction Methodology

The successful bidder shall submit a methodology, within FOURTEEN days after the contract award, in which he/she proposes to carry out the Works. The methodology shall reflect methods of execution of the works and the resources to be allocated to each item or phase of the work. Safety of equipment is of paramount importance, thus the methodology must take this into consideration.

A10.2 Quality Control Plan (QCP)

- A Quality Control Plan (QCP) shall be agreed to with the SAPS representative within FOURTEEN days after the contract award.
- A representative of the SAPS shall be enabled to witness, test and inspect at any stage of construction and shall be authorized to reject any item not constructed to the requirements of this scope of work/specification.
- The minimum inspection requirement shall be as specified in the Quality Control Plan (QCP).

A10.3 Supervision

Work shall at all times be subject to full time supervision by a competent supervisor who must be authorized to receive instructions and make decisions on behalf of the Contractor.

A10.4 Site Instructions To The Contractor

- Any instructions related to this contract must be given in writing and must be recorded in the site instruction book which will be available on site at all times. The site instruction book must be provided by the contractor.
- No alterations, variations, instructions, requests, etc. will be allowed unless authorized by the SAPS or the duly authorized representative.
- No claims for extra work, without written authorization and/or instructions from the SAPS will be entertained.

It should be noted that no additional work or any other aspects which does not form part of the Bills of Quantities or any Variation Orders may be executed before an official instruction is received from the SAPS Representative, subject to BAC approval.

A11. APPLICABLE STANDARDISED SPECIFICATIONS

Although not bound in or issued with this document, the latest issue of all relevant SANS specifications as well as the Model Preambles for Trades (2008 edition) as published by the association of South African Quantity Surveyors shall form part of the contract Document.

All building work to comply with the National Building Regulations and SANS 10400 (2011). Compliance with the requirements of the SANS 10400 document will be deemed to be compliance with the requirements of part A of the National Building Regulations, issued in terms of the National Building Regulations and Building Standards Act, 1977 (Act No. 103 of 1977).

A12. OCCUPATIONAL HEALTH AND SAFETY

The Contractor must comply with all the requirements set out in the Occupational Health and Safety Act, 1993 (Act No.85 of 1993) and Construction Regulation 2014.

- The contractor is responsible and shall continue to manage and implement safety and health measures throughout the project.

A13. SECURITY ON SITE

It is the responsibility of the contractor to ensure the safety of his/her material/equipment on site as well as to ensure the safeguarding of the incomplete works in progress.

A14. COMPLETION OF WORKS

- On completion of works, all surplus materials shall be cleared away and the site left clean and tidy.
- **Defects Liability Period:** The Contractor shall correct any defects in materials and workmanship in the completed works for 90 days from the date of the Engineer's Certificate of Completion.
- The contractor shall be responsible to provide the client (SAPS) with a Certificate of Compliance (COC) issued by a Professional Civil and Structural Engineer upon final completion.

A15. PENALTIES

Penalties will be applied as per the contract data.

A16. CONTRACT PRICE ADJUSTMENT PROVISIONS (CPAP)

This contract will **NOT** be subjected to contract price adjustment provisions (CPAP).

SUID-AFRIKAANSE POLISIEDIENS



SOUTH AFRICAN POLICE SERVICE

ANNEXURE B

2022-02-27-Rev 0

PROJECT CODE:

SPECIFICATION: NEW PRECAST CONCRETE PERIMETER WALL AND SECURITY GATE FOR MAKHAZA SAPS

B1. Minimum specification and requirements for construction of Pre-cast concrete wall

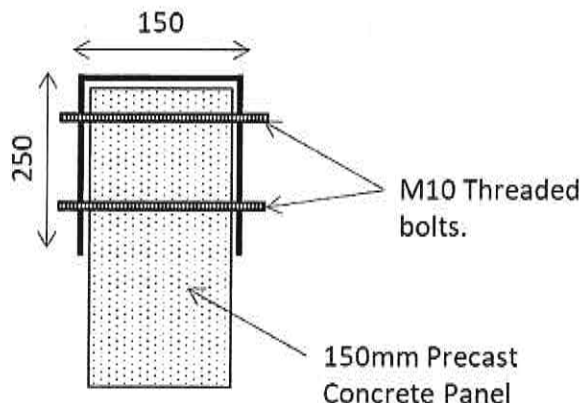
- See attached drawing sheet 01/001
- The total precast concrete length is approximately **330 850mm**.
- Solid core pre-cast reinforced concrete wall to be constructed at minimum height of 3000mm from natural ground level (NGL) with an anti-dig barrier of 600mm below NGL and 600mm high flat wrap wire.
- 50MPa reinforced pre-cast concrete wall panels of 150mm thick to be placed between two reinforced concrete columns as per the manufacturer's specification. The wall consists of reinforced pre-casted concrete panels of approximately 1000mm high x 5000mm Long x 150mm thick. Size of panels to be determined by Contractor to fit perimeters as per the client's requirements.
- The reinforced concrete columns to be placed in minimum 1300mm x 1200mm x 1300mm reinforced concrete foundations. The contractor must be aware of the soil conditions on site and construct the foundations according to Civil and Structural Engineer's details. The top of foundation to be 600mm below NGL.
- Anti-dig barrier: The pre-cast concrete panels of the wall to be placed on 600mm x 300mm 30MPa reinforced concrete strip foundation, reinforced with 3Y12 Top & Bottom and Y10@200 Links.
- Provide and install 2mm thick and 100mm high galvanized toughened steel security spikes, fastened continuously to the top of wall.
- Provide and install a minimum 600mm high galvanized high tensile steel flat wrap razor wire on top of the wall.

B2. Minimum specification and requirements for construction of High Tensile Steel fence

- See attached drawing sheet 01/003
- The total fence length is approximately **113 600mm** along Dibana and Cekeke road.
- The High Tensile Steel Fence is to be constructed at minimum height of 3000mm above NGL with an anti-dig barrier of 600mm below NGL.

WESTERN CAPE PROVINCE: MAKHAZA POLICE STATION: APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF A NEW PRECAST CONCRETE BOUNDARY WALL AND INSTALLATION OF A NEW SECURITY GATE

- 50MPa reinforced pre-cast concrete fence panels of 150mm thick to be placed between two reinforced concrete columns as per the manufacturer's specification. The pre-casted concrete panels to be approximately 1200mm high x 5000mm long x 150mm thick.
- Anti-dig barrier: The pre-cast concrete panels of the wall to be placed on 600mm x 300mm 30MPa reinforced concrete strip foundation, reinforced with 3Y12 Top & Bottom and Y10@200 Links.
- The reinforced concrete columns to be placed in minimum 1300mm x 1200mm x 1300mm reinforced concrete foundations, the contractor must be aware of the soil conditions on site and construct the foundations according to Civil and Structural Engineer's details. The top of foundation to be 600mm below NGL.
- The Intermediate mild steel posts for the fence to be welded to a 10mm x 250 mm wide saddle base plate. The base plate to fit the profile of the 150mm thick pre-cast concrete panel, extending 250mm vertically on both sides of the wall. The approximate total length of base plate is 650mm.
- Fix the saddle plate/posts to the pre-cast concrete panel with 2xM10 Threaded bolts, bolted across the thickness of the wall.
- Construct the single clamber high tensile steel fence as per drawing 01/003.



SADDLE PLATE SCHEMATIC

B.3. Minimum specification and requirements for construction of vehicle security gate:

- **See attached drawing sheet 01/002**
- The structural system/wall must be structurally sound to withstand the soil conditions and load bearing factors such as wind load etc.
- The total dimension of the gate is **3500mm High x 6100mm Wide**.

WESTERN CAPE PROVINCE: MAKHAZA POLICE STATION: APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF A NEW PRECAST CONCRETE BOUNDARY WALL AND INSTALLATION OF A NEW SECURITY GATE

- Frame: Steel tubing frames are 75mm x 50mm x 2.5mm.
- Internal tubing: Rectangular tubing 50mm x 30mm x 2mm.
- All steel sections must be hot dipped galvanized to prevent corrosion.
- The gate consists of 2 facebrick columns on either side. The size of the facebrick columns is 440mm x 440mm x 3200mm.
- There is concrete capping at the top of the posts. Design to be as per the drawings.

B.4. Approach Slab at Entrance (6000mm x 2000mm on both sides of gate)

- Excavate to required levels, minimum of 250mm below NGL, inclusive of compaction of in-situ material.
- Cast 15MPa 50mm thick concrete blinding layer.
- Cast 25MPa 200mm reinforced concrete approach slab with 50mm reinforcement cover and reinforced at the top with Mesh Wire Ref 395.
- The approach slab to lay to slopes to tie in with the main road on the outside and with the NGL on the inside.
- Provide a 200mm x 200mm wide reinforced concrete edge thickening at the approach end of the slab.

NB:

- ALL DIMENSIONS TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF WORK.
- THIS DOCUMENT IS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, BOQ AND CONTRACTOR'S APPOINTMENT DOCUMENT.

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LIST OF DRAWINGS		DRAWING NO
DESCRIPTION	SHEET NO	NO
CONCRETE WALL DETAILS	01	01
STEEL GATE DETAILS	02	02
ROUNDER STEEL DETAILS	03	03
PAVING FINISH	04	04
ELECTRICAL LAYOUT	05	05

[illegible]

PROJECT NUMBER	TBC
PROJECT NAME	MAHAHAZAS PERIMETER WALL

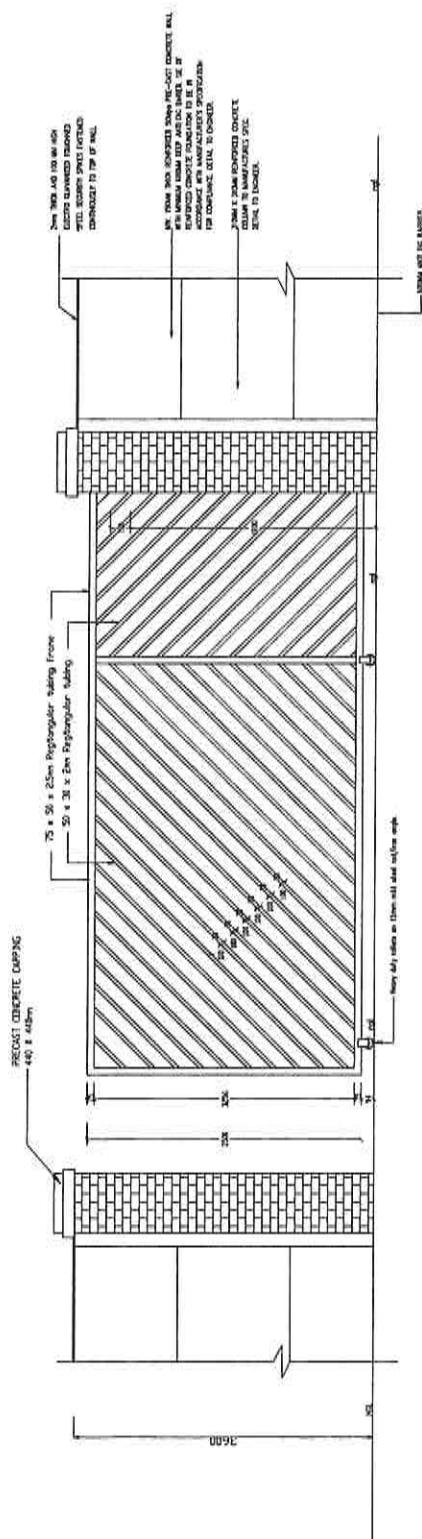
CONTENTS

TOPICAL PLAN

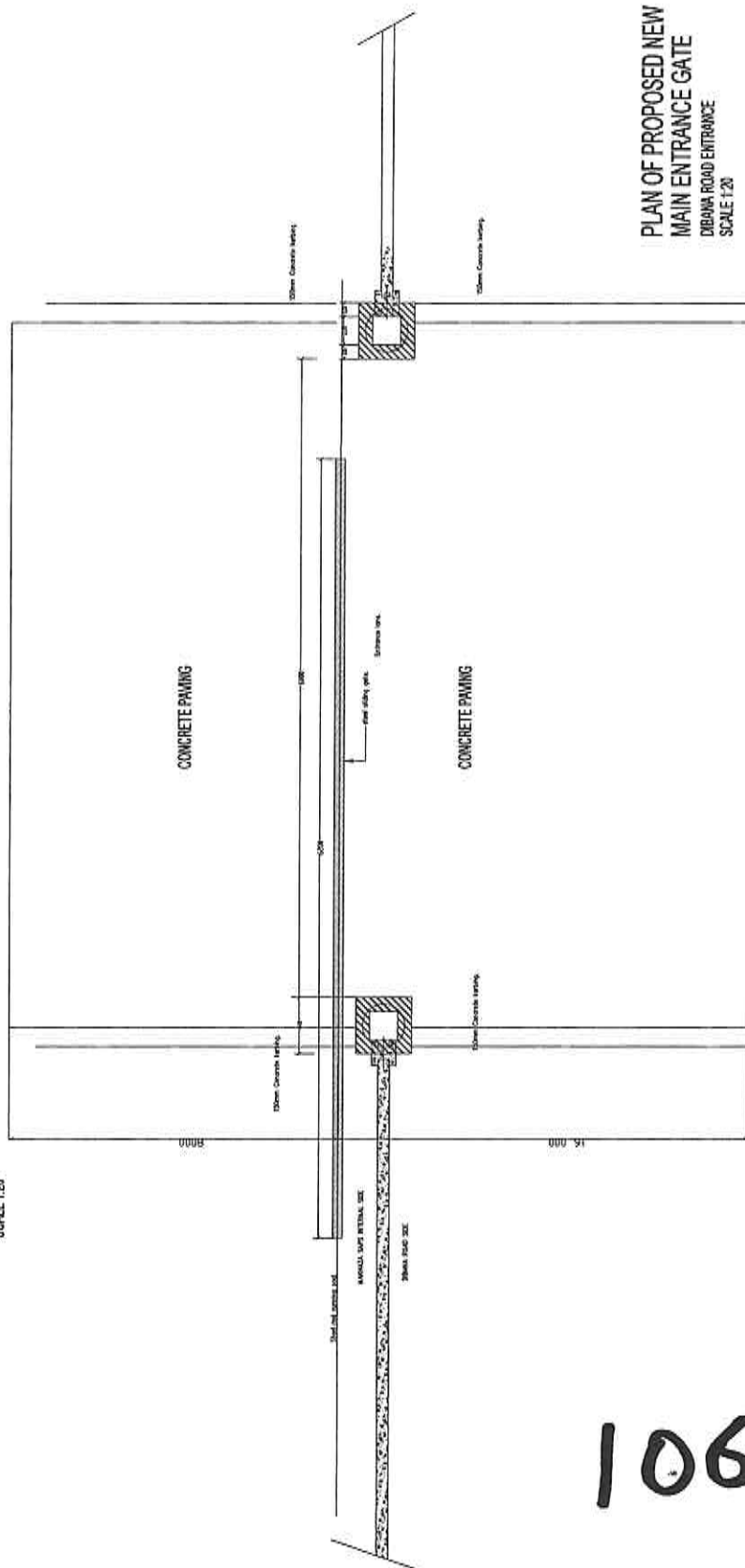
TOPICAL ELEVATION

TOPICAL DETAILS

SCALE	DATE
5/20/01	NOVEMBER 2002
PROJECT ARCHITECT	OWNER/ARCHITECT
M/O S. SERRA	2002
FRANCOIS	2002/04/02
M/O S. SERRA	



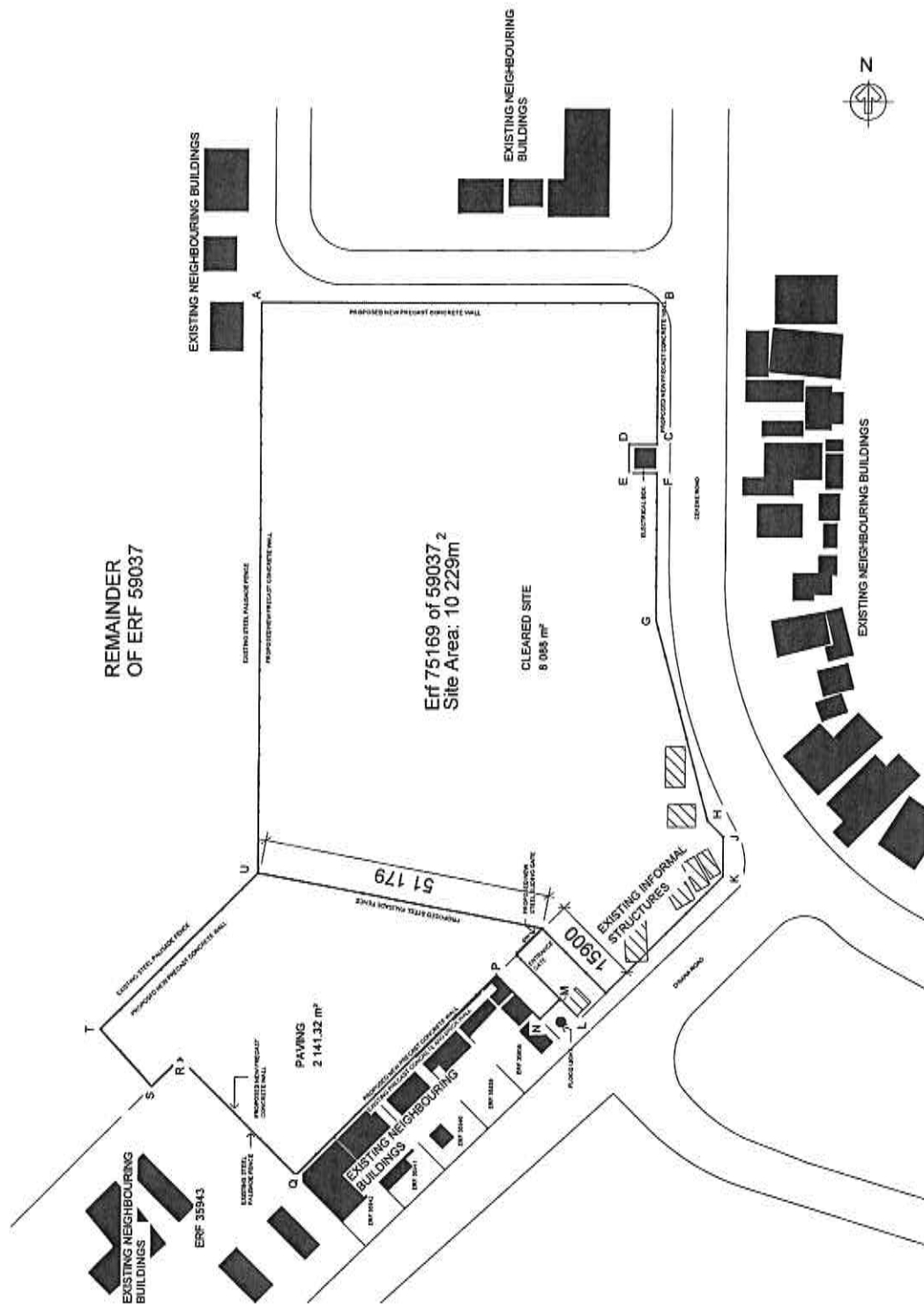
MAIN ENTRANCE GATE
CIBANA ROAD ENTRANCE
SCALE 1:20



PLAN OF PROPOSED NEW
MAIN ENTRANCE GATE
DIBANA ROAD ENTRANCE
SCALE 1:20

FIGURE	DESCRIPTION (mm)
1	1:100
2	1:200
3	1:300
4	1:400
5	1:500
6	1:600
7	1:700
8	1:800
9	1:900
10	1:1000
11	1:1100
12	1:1200
13	1:1300
14	1:1400
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37	1:3700
38	1:3800
39	1:3900
40	1:4000
41	1:4100
42	1:4200
43	1:4300
44	1:4400
45	1:4500
46	1:4600
47	1:4700
48	1:4800
49	1:4900
50	1:5000

TOTAL SITE PERIMETER:
444 450mm



DESCRIPTION	DRAWING NO.
1. SITE PLAN	400
2. CONCRETE WALL DETAILS	01/002
3. STEEL PALISADE DETAILS	01/002
4. TENSILE STEEL DETAILS	01/002
5. PALISADE FENCE	01/004
6. ELECTRICAL LAYOUT	01/005

NO.	DATE	REVISIONS

S A Police Service
PROVIDING SOLUTIONS TO THE FUTURE

3401 LINDSAY ST
PO BOX 124
1000
T: +27 31 411 100

PROJECT NUMBER	TBC
PROJECT NAME	MAKHAHA SHOPS PERIMETER WALL

CONTENTS	SITE DEVELOPMENT PLAN
----------	-----------------------

SCALE	300M	DATE	NOVEMBER 2022
PROJECT ARCHITECT	W/O SIBIN	DRAWING NUMBER	A000
DESIGNER	W/O SIBIN	REVISION	A000

SCALE	DATE
SHOW	NOVEMBER, 2012
PROJECT ADDRESS	10000 10000
N/O S.S. 5.50M	003
DATE	01/003

**APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF
CONCRETE BOUNDARY WALL AND INSTALLATION OF NEW GATE:
MAKHAZA POLICE STATION: WESTERN CAPE PROVINCE**

BID: 19/1/9/1/150TB(22)

PART C

CONTRACT

PART C4

OCCUPATIONAL HEALTH AND SAFETY



HEALTH & SAFETY SPECIFICATION

FOR

CAPITAL WORKS AND PLANNED MAINTENANCE
PROJECTS

MANAGED ON BEHALF OF

SOUTH AFRICAN POLICE SERVICE
(THE "CLIENT")

Rev 2: H&S Specification

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1. PREAMBLE

In terms of Construction Regulation 5(1) (b) of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), South African Police Service, as the Client must prepare a suitable, documented and coherent site specific health and safety specification for the intended construction work based on the baseline risk assessment.

The Client's further duties are as described in The Act and the Regulations made there-under. The Principal Contractor shall be responsible for the Health & Safety Policy for the site in terms of Section 7 of the Act and in line with Construction Regulation 7 as well as the Health and Safety Plan for the project.

This 'Health and Safety Specifications' document is governed by the 'Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), hereinafter referred to as 'The Act'. Notwithstanding this, cognizance should be taken of the fact that no single Act or its set of Regulations can be read in isolation. Furthermore, although the definition of Health and Safety Specifications stipulates 'a documented specification of all health and safety requirements pertaining to associated works on a construction site, so as to ensure the health and safety of persons', it is required that the entire scope of the Labour legislation, including the Basic Conditions of Employment Act be considered as part of the legal compliance system. With reference to this specification document this requirement is limited to all health, safety and environmental issues pertaining to the site of the project as referred to here-in. Despite the foregoing it is reiterated that environmental management shall receive due attention.

Due to the wide scope and definition of construction work, every construction activity and site will be different, and circumstances and conditions may change even on a daily basis. Therefore, due caution is to be taken by the Principal Contractor when drafting the Health and Safety Plan based on these Health and Safety Specifications. Prior to drafting the Health and Safety Plan, and in consideration of the information contained here-in, the contractor shall set up a Risk Assessment Program to identify and determine the scope and details of any risk associated with any hazard at the construction site, in order to identify the steps

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needed to be taken to remove, reduce or control such hazard. *This Risk Assessment and the steps identified will be the basis or point of departure for the Health and Safety Plan.*

The South African Police Service is tasked to provide accommodation and operational facilities to a very large proportion of its members. A very large number of State employees and public users of the facilities and the services provided there-in directly interacts with the facilities provided by the well-being, health and safety of a great number of people. This Department thus has directly or indirectly, an impact on the Republic of South Africa as well as the National Parliament.

In this a high premium is to be placed on the health and safety of the most valuable assets of the South African Police Service. These are its personnel, the personnel of its Clients and the physical assets of which it is the custodian and may also include the public as well. The responsibilities the Department and relevant stakeholders have toward its employees and other people present in the facilities or on the sites are captured further in this specification document. These responsibilities stem from both moral, civil and a variety of legal obligations. The Principal Contractor is to take due cognisance of the above statement.

Every effort has been made to ensure that this specification document is accurate and adequate in all respects. Should it however, contain any errors or omissions they may not be considered as grounds for claims under the contract for additional reimbursement or extension of time, or relieve the Principal Contractor from his responsibilities and accountability in respect of the project to which this specification document pertains. Any such inaccuracies, inconsistencies and/or inadequacies must immediately be brought to the attention of the Agent and/or Client.

2. SCOPE OF HEALTH AND SAFETY SPECIFICATION DOCUMENT

These Specifications should be read in conjunction with the Act, the Construction Regulations and all other Regulations and Safety Standards which were or will be promulgated under the Act or incorporated into the Act and be in force or come into force during the effective duration of the project. The stipulations in this specification, as well as those contained in all other documentation pertaining to the project, including contract documentation and technical specifications shall not be interpreted, in any way whatsoever, to countermand or nullify any

To inform the Principal Contractor that the Occupational Health and Safety Act, 1993 (Act 85 of 1993) in its entirety shall apply to the contract to which this specification document applies. The Construction Regulations promulgated on 07 February 2014.

4. DEFINITIONS - The most important definitions in the Act and Regulations pertaining to this specification document are hereby extracted.

"Purpose of the Act" – To provide for the health and safety of persons at work and the health and safety of persons in connection with the use of plant and machinery; the protection of persons other than persons at work against hazards to health and safety arising out of or in connection with the activities of persons at work; to establish an advisory council for occupational health and safety; and to provide for matters connected therewith.

"Health & Safety Specification" – means a document that includes information required under the construction regulation and obtained from the clients & designers during the early planning & design stage for a specific project on a specific site for use by the contractors when preparing their tenders or bids to clients.

"Health & Safety Plan" – means a site, activity or project documented plan in accordance with the clients health and safety specification

"Agent" – means any person who acts as a representative for a client;

"Client" – means any person for whom construction work is performed;

"Construction Health & Safety Agent (SACPCMP)" – The person or entity appointed by the client through the Agent and who has a full authority and obligation to act on the clients behalf in terms of the construction regulations;

"Construction Work" is defined as any work in connection with –

- (a) the erection, maintenance, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure;

stipulation of the Act, Regulations and Safety Standards which are promulgated under, or incorporated into the Act

3. PURPOSE

The South African Police Service is obligated to implement measures to ensure the health and safety of all people and properties affected under its custodianship or contractual commitments, and is further obligated to monitor that these measures are structured and applied according to the requirements of these Health and Safety Specifications

The purpose of this specification document is to provide the relevant Principal Contractor (and his /her contractor) with any information other than the standard conditions pertaining to construction sites which might affect the health and safety of persons at work and the health and safety of persons in connection with the use of plant and machinery; and to protect persons other than persons at work against hazards to health and safety arising out of or in connection with the activities of persons at work during the carrying out of construction work for the South African Police Service. The Principal Contractor (and his /her contractor) is to be briefed on the significant health and safety aspects of the project and to be provided with information and requirements on inter alia:

- a) Safety considerations affecting the site of the project and its environment;
- b) Health and safety aspects of the associated structures and equipment;
- c) submissions on health and safety matters required from the Principal Contractor (and his /her contractor); and
- d) the Principal Contractor's (and his /her contractor) health & safety plan.

To serve to ensure that the Principal Contractor (and his /her contractor) is fully aware of what is expected from him/her with regard to the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) and the Regulations made there-under including the applicable safety standards, and in particular in terms of Section 6, 7 and 8 of the construction regulation (2014).

- (b) the installation, erection, dismantling or maintenance of a fixed plant where such work includes the risk of a person falling;
- (c) the construction, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system or any similar civil engineering structure; or
- (d) the moving of earth, clearing of land, the making of an excavation, piling, or any similar type of work;

Construction Work Permit – means a document issued by the Provincial Director of Department of Labour

"Contractor" – means an employer, as defined in Section 1 of the Act, who performs construction work and includes Principal Contractors.

"Contract Amount" Financial value of the contract at the time of the award of the contract, exclusive of all allowance and any value added tax or sales tax which the law requires the employer to pay to the contractor.

"Practical Completion Certificates" A certificates issued in terms of a contract by the employer, signifying that the whole of the construction works have reached a state of readiness for occupation or use for the purposes intended, although some minor work may be outstanding.

"Accident" – means unplanned occurrence that happens due to the unsafe condition and may cause injury to a person, damage to the property, material, plant, equipment and the environment;

"Hazard" – means anything including work activities and practices with the potential to cause harm;

"Risk" – means the likelihood that harm will occur and the subsequent consequences.

"Risk assessment" – means a process to determine any risk associated with any hazard at a construction site in order to identify the steps needed to be taken to mitigate, reduce or control such hazards.

Health and Safety File" – means a file, or other record containing the information in writing required by Construction Regulations.

5. OCCUPATIONAL HEALTH & SAFETY MANAGEMENT

5.1 Structure and Organization of OH&S Responsibilities

5.1.1 Overall Supervision and Responsibility for OH&S

- The Client and/or its Agent on its behalf to ensure that the Principal Contractor, appointed in terms of Construction Regulation 5(1)(k), implements and maintains the agreed and approved H&S Plan. Failure on the part of the Client or Agent to comply with this requirement will not relieve the Principal Contractor from any one or more of his/her duties under the Act and Regulations.
- The Chief Executive Officer of the Principal Contractor in terms of Section 16 (1) of the Act to ensure that the Employer (as defined in the Act) complies with the Act. The pro forma Legal Compliance Audit may be used for this purpose by the Principal Contractor or his/her appointed contractor.
- All OH&S Act (85 /1993), Section 16 (2) appointee/s as detailed in his/her/their respective appointment forms to regularly, in writing, report to their principals on matters of health and safety per routine and ad hoc inspections and on any deviations as soon as observed, regardless of whether the observation was made during any routine or ad hoc inspection and to ensure that the reports are made available to the principal Contractor to become part of site records (Health & Safety File).
- The Construction Supervisor and Assistant Construction Supervisor/s appointed in terms of Construction Regulation 8 to regularly, in writing, report to their principals on matters of health and safety per routine and ad hoc inspections and on any deviations

Rev 2 H&S Specification: 2018

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24.	20(1)	Bulk mixing plant supervisor	Contractor
25.	21(2)(b)	Explosive actuated fastening device inspector	Contractor
26.	21(2)(g)	Explosive actuated fastening device cartridge, nails and studs: issuer & collector	Contractor
27.	23 (1)	Operator : construction vehicle and mobile plant	Contractor
28.	28 (a)	Stacking and storage supervisor	Contractor
29.	29 (h)	Fire equipment inspector	Contractor
OTHER APPOINTMENTS			
	ACT /REGULATION	APPOINTMENT	
1	16(1)	CEO	
2	16(2)	Deputy CEO	
3	17	Health and safety representatives	
4	19	Health and Safety committee members	
5	37(2)	Mandatory agreement	
6	GAR 9(2)	Incident investigator	
7	GSR 3	Competent First aider	
8	GSR 5(1)	Competent Confined space inspector	
9	DMR 18(5)(a)	Lifting machine inspector	
10	DMR 18(5)(a)	Lifting machine entity	
11	GMR 2	Supervisor of machinery	

5.2 Communication, Participation & Consultation

5.2.1 Occupational Health & Safety matters/issues shall be communicated between the Employer, the Principal Contractor, the other Contractors, the Designer and other concerned parties shall be through the H&S Committee or other means determined by the client.

5.2.2 In addition to the above, communication may be directly to the Client or his appointed Agent, verbally or in writing, as and when the need arises.

5.2.3 Consultation with the workforce on OH&S matters will be through their Supervisors and H&S Representatives ('SHE – Reps')

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as soon as observed, regardless of whether the observation was made during any routine or ad hoc inspection and to ensure that the reports are made available to the principal Contractor to become part of site records (Health & Safety File).

- All Health and Safety Representatives (SHE-Reps) shall act and report as per Section 18 of the Act.

5.1.2 Required appointments as per the Construction Regulations:-

Item	Regulation	Appointment	Responsible Person
1.	3	Application Construction work permit	Client
2.	5(1)(k)	Principal contractor for each phase or project	Client
3.	5(6)	Construction Health & Safety Agent	Client
4.	7 (1)(c)	Contractor	Principal Contractor
5.	7(3)	Contractor	Contractor
6.	8(1)	Construction manager	Contractor
7.	8(2)	Assistance Construction manager	Contractor
8.	8(5)	Construction Safety Officer	Contractor
9.	8(7)	Construction Supervisor	Contractor
10.	8(8)	Responsible employee	Contractor
11.	9(1)	Competent risk assessor	Contractor
12.	10(1)	Fall protection planner	Contractor
13.	12(1)	Temporal work designer	Contractor
14.	12(2)	Supervisor of temporal work operation	Contractor
15.	12(3)(F)	Competent temporary works inspector	Contractor
16.	13(1)(a)	Excavation supervisor	Contractor
17.	13(2)(k)	Competent person in the use of explosive for excavations	Contractor
18.	14(1)	Competent demolition supervisor	Contractor
19.	14(11)	Explosives expert	Contractor
20.	16(1)	Scaffold supervisor	Contractor
21.	17(1)	Suspended platform supervisor	Contractor
22.	18(1)a	Rope access Supervisor	Contractor
23.	19(8)(a)	Material hoist inspector	Contractor

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5.2.4 The Principal Contractor will be responsible for the dissemination of all relevant OH&S information to the other Contractors e.g. design changes agreed with the Client and/or its Agent on its behalf and the Designer, instructions by the Client and/or his/her agent, exchange of information between Contractors, the reporting of hazardous/dangerous conditions/situations etc.

6. INTERPRETATION

a) The Occupational Health and Safety Act and all its Regulations, with the exception of the Construction Regulations, distinguish between the roles, responsibilities and functions of employers and employees respectively. It views consultants and contractors as employees of the "owner" of a construction or operational project, the "owner" being regarded as the employer.

b) (The position taken by the Construction Regulations is that the "owner", in terms of its instructions, operates (has to operate) in the role of client as per relevant definition. The contractors working for the "client" are seen to be in two categories, i.e. the Principal Contractor and Contractors.

c) The Principal Contractor has to take full responsibility for the health and safety on the site of the relevant project / contract. This includes monitoring health and safety conditions and overseeing administrative measures required by the Construction Regulations from all contractors on the project site.

7. RESPONSIBILITIES

7.1 Client

a) The Client or his appointed Agent on his behalf will appoint each Principal Contractor for this project or phase/section of the project in writing for assuming the role of Principal Contractor as intended by the Construction Regulations.

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- b) The Client or his appointed Agent on his behalf shall discuss and negotiate with the Principal Contractor the contents of the health and safety plan of the both Principal Contractor and Contractor for approval
- c) The Client or his appointed Agent on his behalf will take reasonable steps to ensure that the health and safety plan of both the Principal Contractor and Contractor is implemented and maintained. The steps taken will include periodic audits at intervals of at least once every month.
- d) The Client or his appointed Agent on his behalf, will prevent the Principal Contractor and/or the Contractor from commencing or continuing with construction work should the Principal Contractor and/or the Contractor at any stage in the execution of the works be found to:
 - have failed to have complied with any of the administrative measures required by the Construction Regulations in preparation for the construction project or any physical preparations necessary in terms of the Act;
 - have failed to implement or maintain their health and safety plan;
 - have executed construction work which is not in accordance with their health and safety plan; or
 - act in any way which may pose a threat to the health and safety of any person(s) present on the site of the works or in its vicinity, irrespective of him/them being employed or legitimately on the site of the works or in its vicinity.

7.2 Principal Contractor

- a) The Principal Contractor shall accept the appointment under the terms and Conditions of Contract. The Principal Contractor shall sign and agree to those terms and conditions and shall, before commencing work, notify the Department of Labour of the intended construction. Annexure 2 of this construction regulation contains a "Notification of Construction Work" form. The Principal Contractor shall submit the notification in writing prior to commencement of work and inform the Client or his Agent accordingly.

- b) The Principal Contractor shall ensure that he is fully conversant with the requirements of this Specification and all relevant health and safety legislation.
- c) The Principal Contractor will in no manner or means be absolved from the responsibility to comply with all applicable sections of the Act, the Construction Regulations or any Regulations proclaimed under the Act or which may be applicable to this contract.
- d) The Principal Contractor shall provide and demonstrate to the Client a suitable and sufficiently documented health and safety plan based on this Specification, the Act and the Construction Regulations, which shall be applied from the date of commencement of and for the duration of execution of the works. This plan shall, as appendices, include the health and safety plans of all Sub-contractors for which he has to take responsibility in terms of this contract
- e) The Principal Contractor shall provide proof of his registration and good standing with the Compensation Fund or with a licensed compensation insurer prior to commencement with the works.
- f) The Potential Principal Contractor shall, in submitting his tender, demonstrate that he has made provision for the cost of compliance with the specified health and safety requirements, the Act and Construction Regulations. (Note: This shall have to be contained in the conditions of tender upon which a tenderer's offer is based.)
- g) The Principal Contractor shall consistently demonstrate his competence and the adequacy of his resources to perform the duties imposed on the Principal Contractor in terms of this Specification, the Act and the Construction Regulations.
- h) The Principal Contractor shall ensure that a copy of his health and safety plan is available on site and is presented upon request to the Client, an Inspector, Employee or Sub-contractor.

- i) The Principal Contractor shall ensure that a health and safety file, which shall include all documentation required in terms of the provisions of this Specification, the Act and the Construction Regulations, is opened and kept on site and made available to the Client or Inspector upon request. Upon completion of the works, the Principal Contractor shall hand over a consolidated health and safety file to the Client.
- j) The Principal Contractor shall, throughout execution of the contract, ensure that all conditions imposed on his Sub-contractors in terms of the Act and the Construction Regulations are complied with as if they were the Principal Contractor.
- k) The Principal Contractor shall from time to time evaluate the relevance of the Health and Safety Plan and revise the same as required, following which revised plan shall be submitted to the Client and/or his/her Agent for approval.

7.3 Contractor

The contractor must demonstrate to the Principal Contractor that he has the necessary competencies and resources to perform the construction work safely.

7.4 Construction Health & Safety Agent (SACPCMP)

The construction Health & Safety Agent act as a link between the client, Principal Contractor and the project team members with respect to health & Safety. They are required to ensure that the client carry out its H&S responsibilities in terms of Legislation as well as to co-ordinate and ensure good H&S practices are maintained throughout the duration of the project. In many cases this role starts from project initiation to project close-out.

- a) H&S competence: In the event that the client is unable to satisfy the requirements of the Construction Regulations for whatever reasons, the construction H&S agent may be appointed to perform these functions on behalf of the client. Given the need to appoint a registered construction H&S agent that is competent and adequately resourced with respect to H&S matters.

- b) H&S goals: It is important that the construction H&S agents demonstrate clearly to clients how they are going to contribute to the achievement of any client H&S goals and objectives. They should also set their own H&S goals.
- c) H&S responsibilities: Prior to accepting the H&S agent appointment from clients, H&S agents need to ensure that they brief clients fully on the client's particular responsibilities in terms of the OH&SA of 1993 and Construction Regulations as amended from time to time. In the absence of acceptance by clients of these responsibilities, H&S agents will not be able to adequately meet their own H&S responsibilities and duties.
- d) H&S information: H&S agents must provide the designer or design team with all H&S information to enable them to conduct a design HIRA to identify the significant hazards that need to be included in the H&S specification. This information may be gathered from multiple sources such as, for example, discussion with the client, previous historical use of the site or facility, previous surveys and investigations and past H&S files.

8. SCOPE OF WORK

These specifications are applicable to the specific scope of work pertaining to the above-mentioned project as detailed in the tender documents.

Construction Regulation 5(1)(g) determines that potential contractors submitting tenders have made adequate provision for the cost of health and safety measures during the construction process. The Principal Contractor shall on tendering make provision for the cost of health and safety measures in terms of his/her documented Health and Safety Plan and measures based on these Health and Safety Specifications during the period of the project. The cost shall be duly quantified and clearly identified for such identifiable purpose.

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9. PREPARING A HEALTH & SAFETY PLAN

- (a) The level of detail required for a H&S plan will depend on how complex the workplace is (in particular, the number of contractors at the workplace at any one time) and the risks involved in the work. The plan must be easily accessible in a construction site and it must be clearly understood by management, supervisors & workers on construction site.
- (b) The plan must be implemented, maintained and kept up to date during the construction of the project.
- (c) The principal contractor should prepare a H&S plan that includes
- project information;
 - client requirements for H&S management on the project.
- Environmental restrictions and existing on-site risks arrangements, imposed by others or developed by the principal contractor, to control significant site H&S risks; H&S file & project H&S review.
- (d) The H&S plan should include the following information:
- details of the client, that is the person commissioning the construction work, for example their name, representative and contact details;
 - details of the principal contractor;
 - details of the construction project, for example address of the workplace, anticipated start and end date and a brief description of the type of construction work that the H&S plan will cover;
 - details on how subcontractors will be managed and monitored, including how the principal contractor intends to implement and ensure compliance with the H&S plan such as checking on the performance of subcontractors and how non-compliance will be handled; and

- details on how the risks associated with falls, falling objects, moving plant, electrical work and all high risk construction work that will take place on a construction project will be managed.
- (e) The H&S plan should also include information on:
- the provision and maintenance of a hazardous chemicals register, safety data sheets and hazardous chemicals storage;
 - the safe use and storage of plant;
 - the development of a construction project traffic management plan;
 - obtaining and providing essential services information – electrical, gas, telecom, water and similar services;
 - workplace security and public safety; and
 - ensuring workers have appropriate licences and training to undertake the construction work.

(f) The H&S plan must contain:

- a general description of the type of work activities involved in the project and not just a description of the facility to be constructed;
- the project program or schedule details, including start and finish dates, showing principal activities;
- details of client, design team, principal contractor, subcontractors, and major suppliers; and
- extent and location of relevant existing records, surveys, site investigation and geotechnical reports, 'as-built' plans, H&S files.

10. HEALTH AND SAFETY FILE

- a) The H&S file is a document prepared by the principal contractor containing important project H&S information for use by the owner of the completed structure after construction has been completed.

- b) The principal contractor is responsible for producing an H&S file. It contains important project H&S information for use by the owner of the completed structure after construction has been completed. It is essential that the process of compiling the file commences as early as possible to ensure sufficient time to gather the required information.
- c) The Principal Contractor must, in terms of Construction Regulation 7(2) (b), keep a Health & Safety File on site at all times that must include all documentation required in terms of the Act and Regulations and must also include a list of all Contractors on site that are accountable to the Principal Contractor and the agreements between the parties and details of work being done. A more detailed list of documents and other legal requirements that must be kept in the Health & Safety File.
- d) The contractor must ensure that the client's format and layout of the H&S file is adhered to. The contractor must identify the responsible person that will prepare the H&S file and who will be responsible for the drafting of as-built drawings. The contractor must establish procedures:
- e) The Health and Safety File will remain the property of the Client and/or its Agent on its behalf throughout the period of the project and shall be consolidated and handed over to the Client and/or its Agent on its behalf at the time of completion of the project.

11. OH&S GOALS AND OBJECTIVES AND ARRANGEMENTS FOR MONITORING AND REVIEWING OH&S PERFORMANCE

The Principal Contractor is required to maintain an acceptable disabling incident frequency rate (DIFR) and report on this to the Client and/or its Agent on its behalf on a monthly basis.

11.1 IDENTIFICATION OF HAZARDS AND DEVELOPMENT OF RISK ASSESSMENTS, STANDARD WORKING PROCEDURES (SWP) AND METHOD STATEMENTS

The Principal Contractor is required to develop Risk Assessments, Standard Working Procedures (SWP) and Method Statements for each activity executed in the contract or project.

The identification of hazards is over and above the hazards identification programme and those hazards identified during the drafting of the Health and Safety Plan.

11.1.1 Monthly Audit by Client and/or its Agent.

The Client and/or its Agent on its behalf will be conducting Periodic Audits at times agreed with the Principal Contractor Audit to comply with Construction Regulation 5(1)(n) to ensure that the principal Contractor has implemented, is adhering to and is maintaining the agreed and approved OH&S Plan.

- a) A representative of the Principal Contractor and the relevant Health and Safety Representative(s) (SHE-Reps) must accompany the Client and/or its Agent on its behalf on all Audits and Inspections and may conduct their own audit/inspection at the same time. Each party will, however, take responsibility for the results of his/her own audit/inspection results. The Client and/or its Agent on its behalf may require to be handed a copy of the minutes of the previous Health and Safety Committee meeting reflecting possible recommendations made by that committee to the Employer for reference purposes.

11.1.2 Health & Safety Incident/accident reporting & investigations

- a) The Principal Contractor shall report all incidents where an employee is injured on duty to the extent that he/she
- dies
 - becomes unconscious
 - loses a limb or part of a limb
 - is injured or becomes ill to such a degree that he/she is likely either to die or to suffer a permanent physical defect or likely to be unable for a period of at least 14 days either to work or continue with the activity for which he/she was usually employed

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OR where:

- i. a major incident occurred
 - ii. the health or safety of any person was endangered
 - iii. where a dangerous substance was spilled
 - iv. the uncontrolled release of any substance under pressure took place
 - v. machinery or any part of machinery fractured or failed resulting in flying, falling or uncontrolled moving objects
 - vi. Machinery ran out of control, to the Provincial Director of the Department of Labour within seven days and at the same time to the Client and/or its Agent on its behalf.
- b) The Principal Contractor is required to provide the Client and/or its Agent on its behalf with copies of all statutory reports required in terms of the Act and the Regulations.
- c) The Principal Contractor is required to provide the Client and/or its Agent on its behalf with a monthly "SHE Risk Management Report".
- d) The Principal Contractor is required to provide a.s.a.p. the Client and/or its Agent on its behalf with copies of all internal and external accident/incident investigation reports. The Principal Contractor is responsible to oversee the investigation of all accidents/incidents where employees and non-employees were injured to the extent that he/she/they had to receive first aid or be referred for medical treatment by a doctor, hospital or clinic. (General Administrative Regulation 9)
- (e) The results of the investigation to be entered into the Accident/Incident Register listed above. (General Administrative Regulation 9)
- (f) The Principal Contractor is responsible for the investigation of all non-injury incidents as described in Section 24 (1) (b) & (c) of the Act and keeping a record of the results of such investigations including the steps taken to prevent similar incidents in future.

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entering the site shall be issued with the proper Personal Protective Equipment (PPE) as and when necessary.

b) Security Arrangements

The Principal Contractor must establish site access rules and implement and maintain these throughout the construction period. Access control must include the rule that non-employees shall at all times be provided with fulltime supervision while on site. The Principal Contractor must develop a set of Security rules and procedures and maintain these throughout the construction period.

If not already tasked to the H&S Officer appointed in terms of Construction Regulation, the Principal Contractor must appoint a competent person who must develop contingency plans for any emergency that may arise on site as indicated by the risk assessments.

12.1.1 Appointment of Health & Safety Representatives

a) H&S Representatives ('SHE - Reps')

Where the Principal Contractor employs more than 20 persons (including the employees of other Contractors (sub-contractors)) he has to appoint one H&S Representative for every 50 employees or part thereof. (Section 17 of the Act and General Administrative Regulation 6. & 7.)

H&S Representatives must be appointed in writing and the designation shall be in accordance with the Collective Agreement as concluded between the parties as is required in terms of General Administrative Regulation 6.

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- (g) The Principal Contractor is responsible for the investigation of all accidents relating to the construction site and keeping a record of the results of such investigations including the steps taken to prevent similar accidents in future.
- (h) Notwithstanding the requirements of Section 24 of the Act, ALL incidents shall be investigated and reported on in writing, irrespective of whether such incident gave rise to injury or damage.

(i) Reporting Of Near-Misses

- South African Police Service views the reporting of near misses as a critical component in creating a positive health and safety awareness culture on site.
- South African Police Service retains the right to enforce the reporting of near misses within 24 hours of occurrence.

12. Review

The Principal Contractor is to review the Hazard Identification, Risk Assessments and Standard Work Processes at each Production Planning and Progress Report meeting as the construction work develops and progresses and each time changes are made to the designs, plans and construction methods and processes.

The Principal Contractor must provide the Client and/or its Agent on its behalf, other Contractors and all other concerned parties with copies of any changes, alterations or amendments as contemplated in the above paragraph.

12.1 Site Rules and other Restrictions

a) Site OH&S Rules

The Principal Contractor must develop a set of site-specific OH&S rules that will be applied to regulate the Health and Safety Plan and associated aspects of the construction. When required for a site by law, visitors and non-employees upon

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12.1.2 Duties and Functions of the H&S Representatives

- The Principal Contractor must ensure that the designated H&S Representatives conduct at least a weekly inspection of their respective areas of responsibility using a checklist developed by a Principal Contractor.
- The report must be consolidated and submitted to the Health & Safety Committee.
- H&S Representatives must form part of the incident/accident investigating team.

12.1.3 Establishment of H&S Committee(s)

- The Principal Contractor must establish H&S Committees consisting of designated H&S Representatives together with a number of Employers Representatives appointed as per Section 19(3) that are not allowed to exceed the number of H&S Representatives on the committee.
- The persons nominated by the employer on a H&S Committee must be designated in writing for such period as may be determined by him. The H&S Committee shall co-opt advisory (temporary) members and determine the procedures of the meetings including the chairmanship.
- The H&S Committee must meet minimum monthly and consider, at least, an agreed Agenda for the first meeting. Thereafter the H&S Committee shall determine its own procedures.

12.1.4 Training & Awareness

The contents and syllabi of all training required by the Act and Regulations including any other related or relevant training as required must be included in the Principal Contractor's Health and Safety Plan and Health and Safety File.

a) Training & Induction

All employees performing work or task on site that potentially impact on H&S must be competent & have the necessary appropriate education, training & experience.

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All the training must be closely aligned with the risk profile of the project; procedures must be put in place to ensure that all workers are aware of the consequences of their work activities & benefits of improved H&S performance.

All employees of the Principal and other Contractors must be in possession of proof of General Induction training

b) Site Specific Induction Training

All employees of the Principal and other Contractors must be in possession of Site Specific Occupational Health and Safety Induction or other qualifying training.

c) Other Training

All operators, drivers and users of construction vehicles, mobile plant and other equipment must be in possession of valid proof of training.

13. PROJECT/SITE SPECIFIC REQUIREMENTS

The following is a list of specific activities and considerations that have been identified for the project and site and for which Risk Assessments, Standard Working Procedures (SWP), management and control measures and Method Statements (where necessary) have to be developed by the Principal Contractor:

- Clearing & grubbing the area/site
- Site establishment
- Dealing with existing structures
- Location of existing services
- Boundary & Access control/Public liability exposures
- Protection against heat exhaustion, dehydration, wet & cold conditions
- Dealing with HIV & aids other related diseases
- Use of portable electrical & explosive tools

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- Any Excavation work and Demolition work
- Any welding work
- Loading & offloading of trucks
- Driving & operations of Construction vehicles & mobile plant
- Temporal works and
- Construction work as defined in the construction regulation 2014

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14. OUTLINED DATA, REFERENCES AND INFORMATION ON CERTAIN AND/OR SPECIFIC OBLIGATORY REQUIREMENTS TO ENSURE COMPLIANCE

Administrative & Legal Requirements

OHS Act Section/ Regulation	Subject	Requirements
Construction Regulation	Notice of carrying out Construction work	- Department of Labour notified - Copy of Notice available on Site
General Admin Regulation 4	Copy of OH&S Act (Act 85 of 1993)	- Updated copy of Act & Regulations on site - Readily available for perusal by employees
COIDA Act Section 80	Registration with Compensation Insurer	Valid proof of registration/letter of good standing available on Site
Construction Regulation 5 & 7(1)	H&S Specification & Programme	- H&S Spec received from Client and/or its Agent on its behalf - OH&S programme developed & Updated regularly
Section 8(2)(d) Construction Regulation 9	Hazard Identification & Risk Assessment	- Hazard Identification carried out/Recorded - Risk Assessment and - Plan drawn up/Updated - RA Plan available on Site - Employees/Sub-Contractors informed/trained
Section 18(2)	Assigned duties (Managers)	Responsibility of complying with the OH&S Act assigned to other persons by CEO
Construction Regulation 6(1)	Designation of Person Responsible on Site	Competent person appointed in writing as Construction Supervisor with job description
Construction Regulation 6(2)	Designation of Assistant for above	Competent person appointed in writing as Assistant Construction Supervisor with job description
Section 17 & 18 General Administrative Regulations 6 & 7	Designation of Health & Safety Representatives	- More than 20 employees - one H&S Representative, one additional H&S Rep. for each 50 employees or part thereof - Designation in writing, period and area of responsibility specified in terms of GARR 6 & 7 - Meaningful H&S Rep. reports - Reports actioned by Management

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Section 19 & 20 General Administrative Regulations 5	Health & Safety Committees	- H&S Committee established - All H&S Reps shall be members of H&S Committees - Additional members are appointed in writing - Meetings held monthly; Minutes kept - Actioned by Management
Section 37(1) & (2)	Agreement with Mandatories/ (Sub-)Contractors	- Written agreement with (Sub-)Contractors - List of Sub-Contractors displayed - Proof of Registration with Compensation Insurer/letter of Good Standing - Construction Supervisor designated - Written arrangements re - H&S Reps & H&S Committee - Written arrangements re First Aid
Section 24 & General Admin Regulation 6 COIDA Act Sect 36, 39 & 41	Reporting of Incidents (Dept. of Labour)	- Incident Reporting Procedure displayed - All incidents in terms of Sect. 24 reported to the Provincial Director, Department of Labour, within 3 days. (Annexure 1)(WCL 1 or 2) and to the Client and/or its Agent on its behalf - Copies of Occupational Disease Reported - Copies of Reports available on Site - Record of First Aid injuries kept
General Admin Regulation 9	Investigation and Recording of Incidents	- All injuries which resulted in the person receiving medical treatment other than first aid, recorded and investigated by investigator designated in writing - Copies of Reports (Annexure 1) available on Site - Taken at H&S Committee meeting - Action taken by Site Management
Construction Regulation 10	Fall Prevention & Protection	- Competent person appointed to draw up the Fall Protection Plan - Proof of appointees competence available on Site - Risk Assessment carried out for work at heights - Fall Protection Plan drawn up/updated - Available on Site
Construction Regulation 20 Driven Machinery	Cranes & Lifting Machines Equipment	- Competent person appointed in writing to inspect Cranes, Lifting Machines & Equipment - Written Proof of Competence of above appointees available on Site

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Regulations 18		• Cranes & Lifting tackle identified/numbered • Register kept for Lifting Tackle • Log Book kept for each individual Crane • Inspection - All cranes - daily by operator • Tower Cranes - after erection/annually • Other cranes - annually by comp. person • Lifting tackle (slings/ropes/chain slings etc.) - daily or before every new application
General Safety Regulation 8(1)(a)	Designation of Stacking & Storage Supervisor	• Competent Person's with specific knowledge and experience designated to supervise all Stacking & Storage • Written Proof of Competence of above appointee available on Site
Construction Regulation 9	Designation of a Person to Co-ordinate Emergency Planning And Fire Protection	• Person's with specific knowledge and experience designated to co-ordinate emergency contingency planning and execution and fire prevention measures • Emergency Evacuation Plan developed • Drilled Practices • Plan & Records of Drills/Practices available on Site • Fire Risk Assessment carried out • All Fire Extinguishing Equipment identified and on register • Inspected weekly. Inspection Register kept • Serviced annually
General Safety Regulation 3	First Aid	• Every workplace provided with sufficient number of First Aid boxes (Required where 5 persons or more are employed) • First Aid freely available • Equipment as per the list in the OHS Act • One qualified First Aider appointed for every 50 employees. (Required where more than 10 persons are employed) • List of First Aid Officials and Certificates • Name of person's in charge of First Aid boxes displayed • Location of First Aid boxes clearly indicated • Signs instructing employees to report all injuries/illness including first aid injuries

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General Safety Regulation 2	Personal Safety Equipment (PSE)	• PSE Risk Assessment carried out • Items of PSE prescribed/use enforced • Records of issue kept • Undertaking by Employee to use/wear PSE • PSE remain property of Employer, not to be removed from premises OSH 2(4)
General Safety Regulation 9	Inspection & Use of Welding/Flame Cutting Equipment	• Competent Person's with specific knowledge and experience designated to inspect Electric Arc, Gas Welding and Flame Cutting Equipment • Written Proof of Competence of above appointee available on Site • All new vessels checked for leaks, leaking vessels NOT taken into stock but returned to supplier immediately • Equipment identified/numbered and entered into a register • Equipment inspected weekly. Inspection Register kept • Separate, purpose made storage available for full and empty vessels
General Safety Regulation 13A	Inspection of Ladders	• Competent person appointed in writing to inspect Ladders • Ladders inspected at arrival on site and weekly thereafter. Inspections register kept • Application of the types of ladders (wooden, aluminium etc.) regulated by training and inspections and noted in register
General Safety regulation 13D	Ramps	• Competent person appointed in writing to supervise the erection & inspection of Ramps. Inspection register kept • Daily inspected and noted in register

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15. THE PRINCIPAL CONTRACTOR'S GENERAL DUTIES

- The Principal Contractor shall at all times ensure his status of an "employer" as referred to in the Act, and will abide by his/her responsibilities, duties and functions as per the requirements of the Act and Regulations with specific reference to Section 8 of the Act.
- The Principal Contractor shall keep, and on demand make available, a copy of the Act on site at all times and in addition to that he/she will introduce and maintain a file titled "Health and Safety File", or other record in permanent form, which shall contain all relevant aspects and information as contemplated in the Construction Regulations. He/she will make this file available to the client or his representative whenever necessary or on request to an interested party.
- The project under control of the Principal Contractor shall be subject to periodic health and safety audits that will be conducted by the client at intervals agreed upon between the Principal Contractor and the client, provided such intervals will not exceed periods of one month.
- The Principal Contractor is to ensure that he/she and all persons under his control on the construction site shall adhere to the above specifications.
- The Principal Contractor should note that he/she shall be held liable for any anomalies including costs and resulting deficiencies due to delays caused by non-conformance and/or non-compliance to the above Health and Safety Specifications and the Health and Safety Plan based on these specifications.

16. THE PRINCIPAL CONTRACTOR'S SPECIFIC DUTIES

The Principal Contractor's specific duties in terms of these specifications are detailed in the Construction Regulations as published under government notice 07 February 2014, stipulated in Section 7.

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17. THE PRINCIPAL CONTRACTOR'S SPECIFIC RESPONSIBILITIES WITH REGARD TO HAZARDOUS ACTIVITIES

The following examples of activities are identifiable as hazardous in terms of the Construction Regulations. The contractor shall execute the activities in accordance with the following Construction Regulations and other applicable regulations of the Act:

- Fall protection
- Structures
- Excavation work
- Demolition work
- Scaffolding
- Construction vehicles & mobile plant.
- Water environments
- Housekeeping on construction sites
- Fire precautions on construction sites.

This list must not be taken to be exclusive or exhaustive! All of the above requirements will be read in conjunction with the relevant regulations and health and safety standards as required by the Act. All documents and records required by the Construction Regulations will be kept in the Health and Safety File and will be made available at any time when required by the client or his representative, or on request to an interested party.

18. GENERAL NOTES TO THE PRINCIPAL CONTRACTOR

Legal Framework

Part of legal obligations

The more important Acts and relevant subordinate/secondary legislation as well as other (inter alia Local Government) legislation that also apply to the State as well as to State owned buildings and premises: -

- a. The latest issue of SABS 0142: "Code of Practice for the Wiring of Premises"
- b. The Local Government Ordinance 1939 (Ordinance 17 of 1939) as amended and the municipal by-laws and any special requirements of the local supply authority
- c. The Fire Brigade Services Act 1987, Act 99 of 1987 as amended
- d. The National Building Regulations and Building Standards Act 1977 (Act 103 of 1977) as amended and relevant proclaimed Regulations (SABS 0400)
- e. The Post Office Act 1958 (Act 44 of 1958) as amended
- f. The Electricity Act 1984, Act 41 of 1984
- g. The Regulations of Local Gas Board(s), including Publications of the SABS Standards and Codes of Practice, with specific reference to GNR 17468 dated 4th October 1997
- h. Legislation pertaining to water usage and the environment
- i. Legislation governing the use of equipment, which may emit radiation (e.g. X-Rays etc.)
- j. Common Law

19. HOUSEKEEPING

Good housekeeping will be maintained at all times as per Construction Regulation No. 27. Poor housekeeping contributes to three major problems, namely, costly or increased accidents, fire or fire hazards and reduction in production. Good housekeeping will enhance production time.

In promotion of environmental control all waste, rubble, scrap etc., will be disposed of at a registered dump site and records will be maintained. Where it is found to be impractical to use a registered dump site or it is not available, the Principal Contractor will ensure that the matter is brought to record with the client or his representative, after which suitable, acceptable alternatives will be sought and applied.

20.6 Equipment Compliance Certificates

Before equipment is brought on site valid certificates of compliance issued by a competent person shall be presented. The equipment includes but shall not be limited to:

- i. lifting equipment and lifting tackle
- ii. power driven machinery
- iii. electrical equipment
- iv. testing and monitoring equipment

20.7 Barricading

All barricading shall be of the rigid type unless the use of non-rigid barricading has been approved in writing by South African Police Service Project Manager. The contractors' barricading standard shall be included in the Health and Safety Plan.

Where more than one contractor is working on a site, the fixed barricading shall be clearly marked with the company's name, site contact person as well as the contact number/s.

20.8 Erection of Structures for Logistic Support

Prior to site establishment South African Police Service shall approve the contractor's site plan.

South African Police Service shall approve all structures erected for logistical support by the contractor. These structures include fences, workshops, tool sheds, offices, ablution facilities, etc.

20.9 Salvage Yard Management

Depending on the site specific arrangements and procedures, South African Police Service may provide the salvage yard and the resources to manage it.

Dross and refuse from metals, and waste matters or by-products whose nature is such that they are poisonous or capable of fermentation, putrefaction or constituting a nuisance shall be treated or disposed of by methods approved of by an inspector.

NOTE: No employer (Principal Contractor) shall require or permit any person to work at night or after hours unless there is adequate, suitable artificial lighting including support services in respect of Health and Safety.

20. FACILITIES

The site establishment plan shall make provision for:

20.1 Dining room facilities

The contractor shall make provision for adequate dining room facilities for his employees on site.

20.2 Change rooms

The contractor shall make provision for adequate change rooms for his employees on site.

20.3 Ablution facilities

The contractor shall make provision for adequate ablution facilities for his employees on site.

20.4 Smoking Areas

Designated smoking areas shall be established by Principal Contractor

20.5 Drinking Water Facilities

The provision of drinking water facilities shall be negotiated between the Contractor and client.

The salvage yard management shall conform to safety, health and environmental requirements. The contractors are required to move the equipment from the place of work to the salvage yard.

20.10 Fall Arrest and Prevention Equipment

Approved fall prevention equipment shall be used at heights of less than 2.0 metres. Above heights of 2.0 metres fall prevention equipment shall include fall arrest Equipment. Users of fall arrest equipment shall, amongst other things be trained in what an appropriate load bearing point is for connecting fall prevention equipment. Any deviation from this requirement shall be negotiated and agreed with South African Police Service in writing.

20.11 Hazardous Chemical Substances Waste Removal

South African Police Service shall provide a facility to collect all hazardous chemical waste material. The contractor shall provide adequately marked and sealable containers to transport the hazardous chemical waste from the source to the approved South African Police Service disposal point.

20.12 Personal Protective Equipment (PPE)

Personal protective equipment issued shall be specific to the risks associated with the work to be performed and specific to conditions on site and shall comply with South African National Standards (SANS).

21. LOCKOUT SYSTEMS

A system of control shall be established in order that no unauthorized person can energize a circuit, open a valve, or activate a machine on which people are working or doing maintenance, even if equipment, plant or machinery is out of commission for any period, thus eliminating injuries and damage to people and equipment as far as is reasonably practicable.

Physical/mechanical lock-out systems shall be part of the safety system and included in training. Lockouts shall be tagged and the system tested before commencing with any work or repairs.

22. IMPORTANT LISTS AND RECORDS TO BE KEPT

The following are lists of several records that are to be kept in terms of the Construction Regulations. The lists are:

- i. List of appointments
- ii. List of record keeping responsibilities
- iii. Inspection checklist

a) Contractor Risk Assessment Process

The risk assessment process shall include:

- 1) an evaluation of the method of the work to be conducted
- 2) the method statement on the procedure to be followed in performing the task shall be developed
- 3) the risk assessment will also include activities like:
 - i. Transportation of passengers and goods to and from site
 - ii. Site establishment
 - iii. Physical and mental capabilities of employees
 - iv. Others as may be specified.
- 4) the hazards as listed in the paragraph – Site Specific Health and Safety Hazards
- 5) a review plan for risk assessments shall provide for:
 - i. the quarterly review of all applicable risk assessments
 - ii. the review of an assessment if there is reason to believe that the previous assessment is no longer valid, or there has been a change in a process, work methods, equipment or procedures and working conditions
 - iii. Risk assessment/s to be reviewed if the outcome of incident investigations and audits etc. requires such action.

A pre-task risk assessment shall be conducted in writing on every task and be facilitated by the team leader. All risk assessments and pre-task risk assessments shall be filed and be available on site.

b) Risk Profile

All contractors shall submit a risk profile of the work to be conducted with their Health and Safety Plan.

c) Risk Based Inspection Program

The inspection programme shall be risk based. The inspection plan shall form part of the Health and Safety Plan.

IMPORTANT CONTACT DETAILS

(FOR HEALTH & SAFETY ASPECTS ONLY)

The contractor is to add all the important contact information about essentials services, support and assistance.

	SERVICE	NUMBER	CONTACT PERSON
	Hospital		
	Ambulance		
	Water Electricity		
	Police		
	Fire Brigade		
	Engineer		

ADD OTHER IMPORTANT HEALTH & SAFETY CONTACT DETAILS AS MAY BE FOUND NECESSARY.

SECTION 37(2) AGREEMENTS CONCLUDED BETWEEN SOUTH AFRICAN POLICE SERVICE (Hereinafter referred to as South African Police Service)

AND

(Name of contractor/supplier/Agent)

I,
(name) representing [insert name of contractor/supplier], do hereby acknowledge that [insert name of contractor/supplier] is an employer in his/her own right, with duties as prescribed in the Occupational Health and Safety Act No. 85 of 1993 ("the Act"), as amended, and agree to ensure that all work will be performed and/or machinery or plant used in accordance with the provisions of the Act.

I undertake that [insert name of contractor/supplier] shall strictly adhere to, and ensure that his/her employees adhere to, the provisions of the Occupational Health and Safety Act, 1993 (Act 85 of 1993).

I have been provided with SHE specifications for project/service [insert brief details of project/service, for example, name, contract/project number] and will comply with the requirements set out in these.

I accept and agree that the SHE specifications constitute arrangements and procedures between [insert name of contractor/supplier/Agent Safety Manager/Safety Officer] and South African Police Service which will ensure compliance by [insert name of contractor/supplier] with the provisions of the Act, as contemplated in section 37(2) of the Act.

This agreement constitutes the sole agreement between the parties, and no variation, modification, or waiver of any of the provisions of this agreement or consent to any departure from these shall, in any manner, be of any force or effect, unless confirmed in writing and signed by both parties, and such variation, modification, waiver, or consent shall be effective only in the specific instance and for the specific purpose and to the extent for which it was made or given.

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This agreement is signed on behalf of the parties, each signatory to this warranting that he/she has the requisite authority to do so.

Signed this day of 20 at

(Place)

(Full name) (Signature) on

behalf of (Supplier/contractor/Agent)
Contractor Responsible Manager (responsible for signing the South African Police Service
contract on behalf of the contractor)

Witnesses

1.
2.

Signed this day of 20

at (Place)

(Full name) (Signature) on

Behalf of South African Police Service.
(Contracts and/or Project Manager or South African Police Service representative)

Witnesses

1.
2.

PROJECT:
(full name AND site address of project)
(and full or proper description of project)

WCS NO: (works control system number)

SUPERVISION BY THE SOUTH AFRICAN POLICE SERVICE:

Mr /Ms/Me - CONSTRUCTION PROJECT MANAGER
(add full details of the project manager)

Mr /Ms/Me - CONSTRUCTION MANAGER
(add full details)

Mr /Ms/Me AGENT:
(full particulars of agent)

SUPERVISION BY THE PRINCIPAL CONTRACTOR:

PRINCIPAL CONTRACTOR: (full particulars of principle contractor / contractor)

Mr /Ms/Me - CONSTRUCTION HEALTH & SAFETY OFFICER
(add full details and contact of this officer)

Mr /Ms/Me - CONSTRUCTION HEALTH & SAFETY MANAGER
(add full details of this officer)

Mr /Ms/Me - CONSTRUCTION MANAGER
(add full details of the head of the project)

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