

ANNEXURE A

ASSET DESCRIPTION: SECURITY FENCE

ASSET LOCATION: STATION AREA

CITY / TOWN: SANDHILLS

WORK DESCRIPTION: ERECT SECURITY FENCE 1082M LONG X 1,80M HIGH

TENDER NO: BLE/ 51894

ASSET NO: 07HFG01C

ITEM NO. SPECIFICATIONS PER ITEM.

EXCAVATIONS/BACKFILL

835 Work description: Dig trench

Definitions:

Earth shall mean ground that can be removed by hand tools pick and spade and shall include loose gravel, clay ground, loose or soft shale, loose oukclip and any loose boulders less than 75 mm in diameter. Soft rock shall mean rock that can be loosened by hand, pick or crowbar and includes hard shale, compact oukclip, stone of a similar hardness and boulders from 75 mm diameter up to 0,03 cubic metres in volume.

Trenches shall be excavated to straight lines and shall be of sufficient width to allow adequate working space. Sight rails, boning rods, etc. shall be employed in excavating the trenches to ensure even gradients. Any soft or loose areas in the trenches shall be filled in with well rammed earth, or other approved filling.

The excavations and trenches shall be kept free from water and other liquids, by pumping, baling or otherwise. Every excavation which is accessible to the public or which is adjacent to public roads or thoroughfares, or whereby the safety of persons may be endangered, to be- STAATSKOERANT, 18 JULIE 2003 No. 25207 35

General Safety Regulations promulgated by Government Notice No.R.1031 of 30 May 1986, as amended, are complied with when entering any excavation; (k) ensure that, where the excavation work involves the use of explosives, a method statement is developed in accordance with the applicable explosives legislation, by an appointed person who is competent in the use of explosives for excavation work and that the procedures therein are followed; and (l) cause warning signs to be positioned next to an excavation within which persons are working or carrying out inspections or tests.

MASS CONCRETE/REINFORCING

Respondent's signature: _____ Date: ____/____/____

ITEM NO. SPECIFICATIONS PER ITEM.

844 Work description: Hand mix concrete, 20MPA.

CEMENT:

Cement shall be Portland cement complying with the requirements of SANS Specification 471 or PC15 complying with SANS Specification 831.

Bags of cement shall be stacked in a waterproof, solidly constructed shed with a central door and a floor rendered damp-proof with a tarpaulin.

The bags of cement shall be closely stacked (but not against walls) in order to reduce air circulation in such a way that the cement is used in the order in which it was received, i.e. first in first out.

SAND (FINE AGGREGATE):

The fine aggregate shall comply with the requirements of SANS Specification 1083. Other aggregates may be approved if they have a satisfactory history and/or test results. No aggregate may be used until it has been approved.

STONE (COARSE AGGREGATE):

The coarse aggregate shall comply with the requirements of SANS Specification 1083. No aggregate may be used until it has been approved.

NB: Certain fine grained sand and stone originating from the Beaufort Series and Karol Systems which are known by reputation, local experience or tests, to exhibit excessive shrinkage when used in concrete, may be deemed unacceptable by the Representative/Agent. A certificate of proof is required from the Contractor that the aggregates are not alkali reactive. The cost of testing and certification are to be borne by the Contractor. CONCRETE:

Concrete shall be of the classes given in the following table. The proportions of the ingredients and the nominal size of the coarse aggregate for each class shall be as laid down therein, unless otherwise specified.

FENCING

862 Work description: Clean area both sides of fence 1.0m wide, in total 2.0m wide x 1082m long Cutting veld grass, small shrubs, herbaceous and other undesirable or unwanted plant growth 50mm above ground level, both sides of fence 1m wide and remove from site to approved dumping site.

863 Work description: Replace fence straining wire

The straining wire shall be of dia. 4mm smooth high tensile steel, fully galvanized to CLASS A, spaced at 600mm centres. The top and bottom straining wires shall be secured at top of fence height and 75mm above ground level respectively. Straining wires shall be tensioned between and secured to all straining and intermediate posts with 40mm U Staples to each wire cross the wooden post.

864 Work description: Binding wire;

Binding wire Ø 2mm to secure and connect all tipe of wire fencing posts and razor wire in position except where the wire cross the timber posts.

866 Work description: Replace Corner Posts and Straining Posts:

Posts shall be Tanalith Timber Posts Ø100/119mm x 2,40m long and 1,80 from ground level. The posts to be installed at 60m (maximum) intervals along fence line. Posts to be secured 600mm below ground level and encased in concrete 20 MPA (after 28 days) 450 x 450 x 600mm deep.

867 Work description: Replace Tanalith Timber Gate Posts

Posts shall be Tanalith Timber Posts Ø120/139mm x 2,40m long and 1,80 from ground level. The posts to be installed at 6m (maximum) intervals along fence line. Posts to be secured 600mm below ground level and encased in concrete 20 MPA (after 28 days) 450 x 450 x 600mm deep.

Respondent's signature: _____ Date: ____/____/____

ITEM NO. SPECIFICATIONS PER ITEM.

- 868 Work description: Replace Tanalith Timber Intermediat Posts
Posts shall be Tanalith Timber Posts Ø80/90mm x 2,40m long and 1,80 from ground level. The posts to be installed at 6m (maximum) intervals along fence line. Posts to be secured 600mm below ground level and encased in concrete 20 MPA (after 28 days) 450 x 450 x 600mm deep.
- 869 Work description: Replace Tanalite Timber Stay post
Stays shall be Ø 80/90mm fence posts x 240m long concrete in ground. Stays to be nailed with 150mm wire nails +/- 400mm from top of Corner, Straining or Gate posts. Stays to be encased below ground level 300 x 300 x 300mm deep with 20 MPA concrete. All Corner , Straining and Gate posts to be provided with Stays.
- 871 Work description: Remove 1.20m high stock fence complete include all poles and droppers
- 875 Work description: Replace flat wrap razor coil fence 1,8m high,
The razor wire shall be fitted in four rows to straining wire not longer than 13m and binde every 300mm where razor wire and straining wire cross each other with Ø 2mm binding wire. One third above top row and two thirds below the top of fence. Where razor wire cross timbre post it must be fixed with U staples 400mm long
- 876 Work description: Erect flat wrap razor coil fence complete with posts on to Concrete
Abudment:
STANDARD OF A GOOD/PROPER FENCE: The fence shall be in a straight line between straining posts. All posts shall planted vertically in a straight line. All straining, corner, anchor and gate posts shall be solid, upright and embedded in concrete up to ground level. All intermediate posts must be upright, and on the same level, following the natural ground contours.
Corner Posts and Straining Posts:
Posts shall be dia. 75mm fence tubing x 2,mm wall thickness. The posts to be installed at corners and at 6m (maximum) intervals along fence line and at gates. Posts to be fitted with 85mm end caps and 300 x 300 x 3mm steel base plates. Posts to be secured on to concrete wing walls with 75mm x Ø10mm Rawl bolts.
Stay tubes Ø48mm x 2mm wall thiknes x 2700mm long fitted with 150 x 150 x 3mm base plates - other end flattened and drilled. These to be bolted either side of Corner and Straining posts and on outside of Gate posts (in fence direction) with dia. 10mm bolts. Bolts to be positioned 400mm from top of Corner, Straining or Gate posts. Stays to be bold on to concrete wing wall with 75mm x Ø10mm rawl bolt.
Intermediate posts:
Intermediate posts to be Ø 48mm x 1,80m long and fir on to concrete wing walls with 75mm x Ø10mm rawl bolts. Intermediate standards to be bound to each straining wire with 2mm galvanised steel binding wire.
Straining wire: The straining wire shall be of dia. 4mm smooth high tensile steel, fully galvanized to CLASS A, spaced at 600mm centres. The top and bottom straining wires shall be secured at top of fence height and 75mm above ground level respectively. Straining wires shall be tensioned between and secured to all intermediate posts with 2mm galvanized wire.
- 888 Work description: Replace double leaf gate
Gates for security fence 1.8m and higher to have a framework of diameter class A galvanized 42mm steel pipe and must be of standard type. Gates to be covered with razor clip mesh and fixed to gates with 2mm galvanized steel wire at 300mm intervals or if specified with wire mesh or at coastal areas filled in with plastics coated mesh. Provide locking mechanisms to all gates free of razor mesh. Provide and hang to adjustable hinges.

Respondent's signature: _____ Date: ____/____/____

ANNEXURE A

ASSET DESCRIPTION: SECURITY FENCE

ASSET LOCATION: STATION AREA

CITY / TOWN: TOUWSRIVIER

WORK DESCRIPTION: ERECT SECURITY FENCE 1260M LONG X 1,80M HIGH

TENDER NO: BLE/51894

ASSET NO: 07HFB03C

ITEM NO. SPECIFICATIONS PER ITEM.

EXCAVATIONS/BACKFILL

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Definitions:

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“PREVIEW COPY ONLY”

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