

NOTES:

1. THE POSTS AND STAYS SHALL BE DESIGNED AND MANUFACTURED BY THE TENDERER.

2. THE MESH, STRAINING WIRES, BARBED WIRES, TIE WIRES AND ALL THE OTHER MILD STEEL PARTS MUST BE EFFECTIVELY PROTECTED FROM CORROSION BY A ZINC-COATING (CLASS A OR B), BY A HOT-DIP GALVANIZING. FOR INLAND AREAS A CLASS 'B' COATING MUST BE SPECIFIED BUT FOR COASTAL AREAS (OR INDUSTRIAL AREAS WHERE THE LEVEL OF POLLUTION IS HIGH) A CLASS 'A' COATING IS RECOMMENDED, OR OTHERWISE A CLASS 'B' COATING PROTECTED BY AN APPROVED PLASTIC COATING.WHERE THE ZINC-COATING HAS BEEN DAMAGED IN HANDLING SUCH DAMAGE MUST BE MADE GOOD BY MEANS OF COLD GALVANIZING.

MATERIAL LIST				
ITEM NO.		DESCRIPTION		
1	POST AND STAYS FOR 3 m HIGH INNER FENCE		11	STAPLES: 8 mm DIA. 150 mm LONG. HOT-DIP GALVANIZED. PRESSED INTO THE WET KERB-CONCRETE.
	GATE POST: SQUARE STEEL TUBING (HI-SEC. 43 OR SIMILAR). 140 x 140 x 10 mm x 3 800 mm LONG, EACH WITH DOUBLE LEAF OVER HANG, COMPLETE WITH THE NECESSARY FITTINGS. HOT-DIP GALVANIZED (CLASS A). THE POST SHALL BE CAPPED AS SHOWN AND GROUT-FILLED IN IT'S ERECTED POSITION. THIS WILL PREVENT WATER ACCUMULATING IN THE SECTION.			
2	INTER-STRAINING-POST, CORNER-POST AND END-POST: MILD STEEL ANGLE. 120 x 120 x 15 mm x 3 800 mm LONG, EACH WITH DOUBLE LEAF OVER HANG, COMPLETE WITH THE NECESSARY FITTINGS. HOT-DIP GALVANIZED (CLASS A).		12	BOLTS AND NUTS: STAINLESS STEEL OR MILD STEEL GALVANIZED TO SANS 135/6 SPECIFICATIONS.
3	INTER-POST: MILD STEEL ANGLE 70 x 70 x 10 mm x 3 800 mm LONG, EACH WITH DOUBLE LEAF OVER HANG, HOT-DIP GALVANIZED (CLASS A).			
	POST AND STAYS FOR 3 m HIGH OUTER FENCE			
4	GATE POST: SQUARE STEEL TUBING (HI-SEC. 43 OR SIMILAR). 140 x 140 x 10 mm x 3 800 mm LONG, WITHOUT ANY OVER HANG, COMPLETE WITH THE NECESSARY FITTINGS. HOT-DIP GALVANIZED (CLASS A). THE POST SHALL BE CAPPED AS SHOWN AND GROUT-FILLED IN IT'S ERECTED POSITION. THIS WILL PREVENT WATER ACCUMULATING IN THE SECTION.		13	EYE BOLTS: 10 mm DIA. (MILD STEEL) THAT MAY BE WELDED TO POSTS BEFORE POST GALVANIZING. NB: NO DRILLING, CUTTING OR WELDING SHALL BE CARRIED OUT ON MILD STEEL PARTS AFTER GALVANIZING. ALL MILD STEEL PARTS MUST BE CORRECTLY CUT, DRILLED AND WELDED BEFORE GALVANIZING.
5	INTER-STRAINING-POST, CORNER-POST AND END-POST: MILD STEEL ANGLE. 120 x 120 x 15 mm x 3 800 mm LONG, WITHOUT ANY OVER HANG, COMPLETE WITH THE NECESSARY FITTINGS. HOT-DIP GALVANIZED (CLASS A).			
6	INTER-POST: MILD STEEL ANGLE 70 x 70 x 10 mm x 3 800 mm LONG, WITHOUT ANY OVER HANG, HOT-DIP GALVANIZED (CLASS A).			
7	POST-STAYS: MILD STEEL ANGLE 70 x 70 x 10 mm x 3 200 mm LONG, COMPLETE WITH THE NECESSARY FITTINGS. HOT-DIP GALVANIZED (CLASS A).		14	THE CONCRETE-FILLET OF THE KERBING IS OPTIONAL IF SPECIFIED.
8	STRAINING WIRE: HIGH TENSILE WIRE, GAUGE NO. 8 MIN. HOT-DIP GALVANIZED (CLASS A). THE WIRE TO BE FREE FROM IMPERFECTIONS AND MUST COMPLY WITH SANS 675. BOTTOM STRAINING-WIRE OF FENCE TO BE THREADED THROUGH THE EYES OF THE STAPLES IN THE KERB CONCRETE.			
9	TIE-WIRE: (STRAINING-WIRE TO INTER-POST) 3,0 mm DIA. HOT-DIP GALVANIZED (CLASS A).			
10	TIE-WIRE: (WELDED MESH TO STRAINING WIRE) 1,60 mm DIA. HOT-DIP GALVANIZED (CLASS A). (TIE-WIRES TO COMPLY WITH SANS 675).		15	3 m LONG LOCKING BAR, 70 x 5 mm FLAT BAR.
			16	50 x 50 x 5 mm EQUAL LEG ANGLE IRON TOP RAIL.
			17	BARBED FENCING WIRE:- TO BE A DOUBLE STRAND TWIST PATTERN WITH A STANDARD WITH A BARB SPACING OF 85 mm AND A BREAKING LOAD OF NOT LESS THAN 3,5 kN STRANDS:- 2,5 mm DIA. MINIMUM MILD STEEL WIRE HOT-DIPPED GALVANIZED CLASS A OR B. BARB UNITS: EACH BARB SHALL CONSIST OF FOUR BARBS AND THE LENGTH OF EACH BARB SHALL BE NOT LESS THAN 9,5 mm (MEASURED FROM THE CENTRE OF THE LINE WIRES). THE LINE WIRES AND BARBS SHALL HAVE A SMOOTH FINISH, FREE FROM GROSS IMPERFECTIONS.
			18	MESH FOR INNER FENCE DOUBLE LINE WIRE MESH - 3,05 m x 3 m HIGH PANEL (PROTECTION - ZINC ALU SUPER) (SANS 10244-2:2004)
			19	MESH FOR OUTER FENCE DOUBLE LINE WIRE MESH - 3,05 m x 3,2 m HIGH PANEL (PROTECTION - ZINC ALU SUPER) (SANS 10244-2:2004)
			20	2,5 mm THICK HOT-DIPPED GALVANISED SAW-TOOTH SPIKE TOPPING.


7/8	3 m HIGH INNER AND OUTER FENCE WELDED MESH ATTACHMENT		160 598/10
6/8	3 m HIGH OUTER FENCE DETAILS		160 597/10
5/8	3 m HIGH GATE OUTER FENCE		160 596/10
4/8	3 m HIGH OUTER FENCE		160 595/10
3/8	3 m HIGH INNER FENCE DETAILS		160 594/10
2/8	3 m HIGH GATE INNER FENCE		160 593/10
1/8	3 m HIGH INNER FENCE		160 592/10
SHEET	DESCRIPTION	OTHER NO.	REG. No.
LIST OF DRAWINGS			

REVISION

MOD NO.	DATE	DESCRIPTION	FOR	OKA

DEPARTMENT OF WATER AFFAIRS
REPUBLIC OF SOUTH AFRICA

HEAD OFFICE
CIVIL ENGINEERING
PRIVATE BAG X313
PRETORIA 0001



P. YAKO
DIRECTOR GENERAL

SEDIBENG BUILDING
185 SCHOEMAN STREET
PRETORIA
(012) 336-7500

DESIGN: J.C. SWANEPOEL

CHECKED: J.C. SWANEPOEL DATE: DRAWN: J.C. SWANEPOEL

ENGINEER: DATE: EXTERNAL APPROVAL: DATE:

CHIEF ENGINEER / APP (Pr. Eng): DATE: DIRECTOR (Pr. Eng): DATE:

TYPE

TYPE DRAWING:
MATERIAL LIST:
3 m HIGH INNER AND OUTER FENCE

PROVINCE:	DISTRICT:	KEYCODES: TYP : FDG : SER : - : -	OTHER NUMBER
LOCALITY No.: ZZZZ-03	TENDER/ CONTRACT No.: -	SHEET 8 OF 8	REG. No. 160 599/10
CALCULATION FILE: ZZZZ-03		REV. 00	