

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	ITEM NO.	DESCRIPTION		
1	POST AND STAYS FOR 3 m HIGH INNER FENCE 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.	11	STAPLES: 8 mm DIA. 150 mm LONG. HOT-DIP GALVANIZED. PRESSED INTO THE WET KERB-CONCRETE.		
		12	BOLTS AND NUTS: STAINLESS STEEL OR MILD STEEL GALVANIZED TO SANS 135/6 SPECIFICATIONS.		
		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.		
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).	14	THE CONCRETE-FILLET OF THE KERBING IS OPTIONAL IF SPECIFIED.		
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).		15	3 m LONG LOCKING BAR, 70 x 5 mm FLAT BAR.	
4	POST AND STAYS FOR 3 m HIGH OUTER FENCE 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.		16	50 x 50 x 5 mm EQUAL LEG ANGLE IRON TOP RAIL.	
		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).	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.
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).	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)		
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.		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)	
9	TIE-WIRE: (STRAINING-WIRE TO INTER-POST) 3,0 mm DIA. HOT-DIP GALVANIZED (CLASS A).	20	2,5 mm THICK HOT-DIPPED GALVANISED SAW-TOOTH SPIKE TOPPING.		
10	TIE-WIRE: (WELDED MESH TO STRAINING WIRE) 1,60 mm DIA. HOT-DIP GALVANIZED (CLASS A). (TIE-WIRES TO COMPLY WITH SANS 675).				

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.
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

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

P. YAKO
DIRECTOR GENERAL

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 REG. No. 8 OF 8 160 599/10 REV. 00

CALCULATION FILE: ZZZZ-03