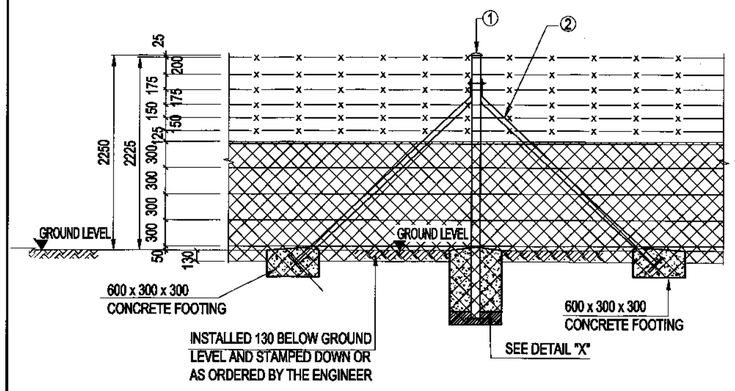
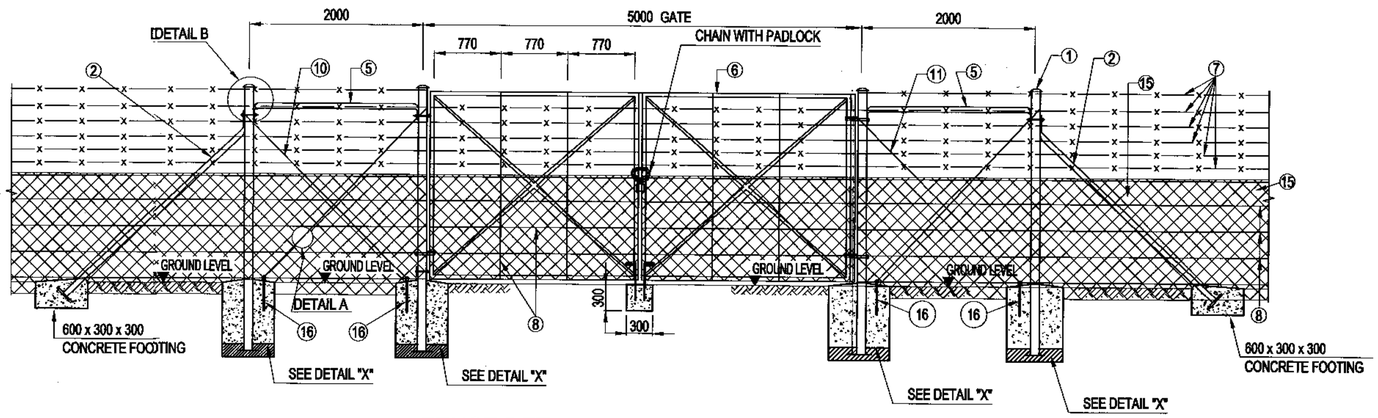


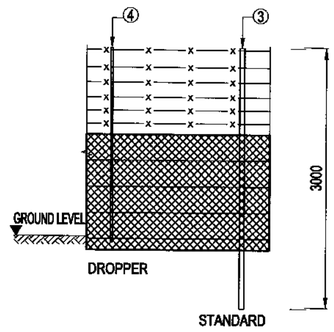
STRAINING POST DETAIL

SCALE 1 : 50



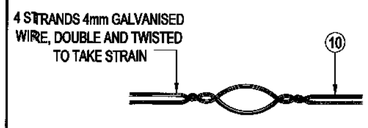
FENCE DETAIL AT GATE

SCALE 1:50



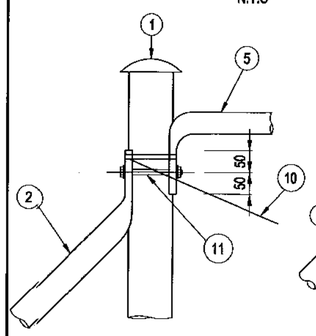
STANDARD AND DROPPERS

SCALE 1:50



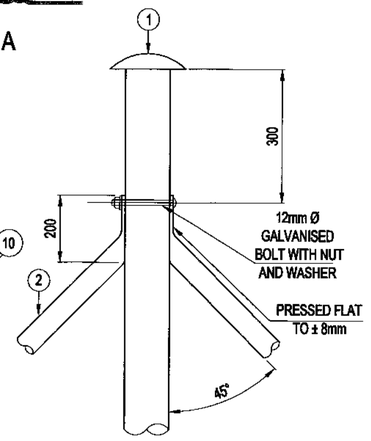
DETAIL A

N.T.S



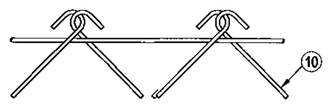
DETAIL B

SCALE 1:10



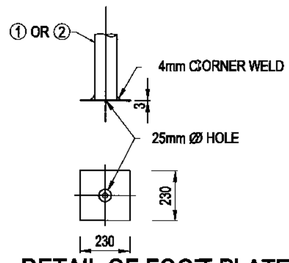
DETAIL OF STRAINING POST

SCALE 1:10



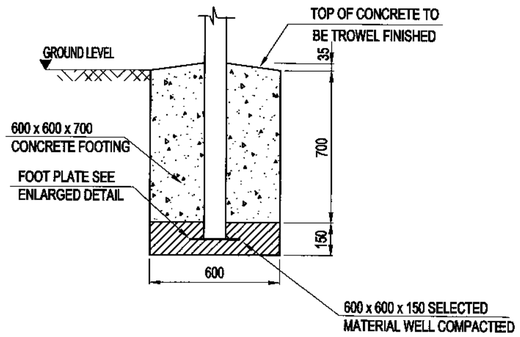
METHOD OF FASTENING TO TOP STRAINING WIRE

SCALE 1:10



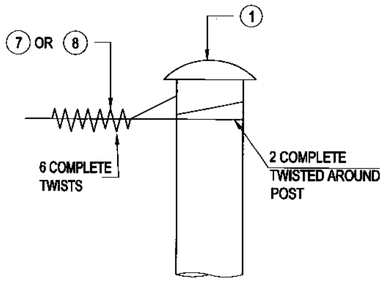
DETAIL OF FOOT PLATE

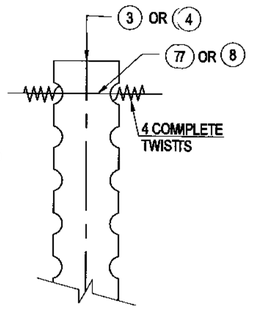
SCALE 1:20

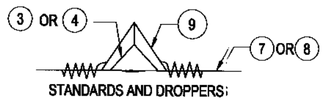


DETAILS OF POST FOOTINGS - DETAIL "X"
600 x 600 x 700

SCALE 1:20

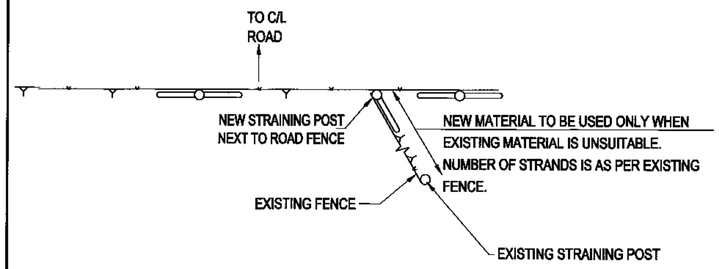






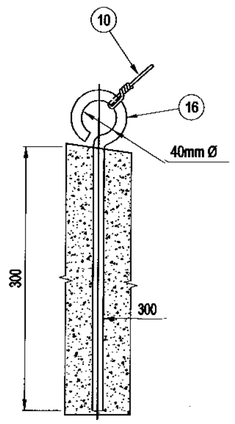
FASTENING TO DROPPERS, STANDARDS AND POSTS

SCALE 1:10



FENCING IN RELATION TO ROAD AND REPAIR OF EXISTING FENCE IF CUT BY ROAD RESERVE

SCALE 1 : 100



DETAIL OF STEEL PEG

SCALE 1:5

NOTES

1. POSTS:
   3000 X 100 Ø X 3mm MILD STEEL TUBING WITH STEEL CAP AND 230 X 230 X 3mm BASE PLATE, FULLY GALVANIZED (SANS 121/ISO 1461) (WITHOUT HOLES FOR WIRES).
2. STAYS:
   3350 X 60 Ø X 3mm MILD STEEL TUBING WITH 230 X 230 X 3mm BASE PLATE, FULLY GALVANIZED (SANS 121/ISO1461).
3. STANDARDS:
   3000 X 2,5 kg/m "Y" SECTION COMPLETE WITH HOLES AT 50mm CENTRES. FULLY GALVANIZED (SANS 121/ISO1461) IF WITHIN 25 km FROM THE COAST.
4. DROPPERS:
   2250 X 0,56mm kg/m RIDGEBACK PATTERN (SANS 121/ISO1461), FULLY GALVANIZED IF WITHIN 25km FROM THE COAST.
5. CROSS BRACE SUPPORT :
   2400 X 60 Ø X 3mm MILD STEEL TUBING BENT AND FLATTENED AS SHOWN, FULLY GALVANIZED (SANS 121/ISO 1461). ENDS PRESSED FLAT TO ± 8mm.
6. GATE :
   42 Ø x 2mm MILD STEEL TUBING FRAME 21,4 Ø X 2mm MILD STEEL TUBE BRACING,COMPLETE WITH WITH HINGES, WASHERS, BOLTS AND LOCKING CHAIN ATTACHED TO GATE (COMPLYING WITH CKS 146). FULLY GALVANIZED (SANS 121/ ISO 1461) AFTER FABRICATION.
7. BARBED WIRE:
   3,2 X 2,5mm OVAL HIGH TENSILE GRADE SINGLE STRAND (SANS 675), FULLY GALVANISED.
8. SMOOTH WIRE:
   3,0mm Ø HIGH TENSILE GRADE (SANS 675) FULLY GALVANIZED.
9. TYING WIRE:
   2,5mm Ø MILD STEEL (SANS 675), FULLY GALVANIZED FOR TYING TO STANDARDS AND DROPPERS.
10. STRAINING WIRE :
    4mm Ø MILD STEEL (SANS 675), FULLY GALVANIZED . (4 STRANDS, DOUBLED AND TWISTED TO TAKE STRAIN).
11. BOLTS FOR STAYS:
    12mm Ø MILD STEEL , INCLUDING NUTS AND WASHERS, FULLY GALVANIZED.
12. MAXIMUM SPACING OF:
    STRAINING POSTS 180m c/c
    STANDARDS 15m c/c
    DROPPERS 1,5m c/c
13. ALL WIRES TO BE ERECTED ON THE ROAD SIDE OF THE FENCE UNLESS OTHERWISE INSTRUCTED.
14. MINIMUM CONCRETE STRENGTH OF FOOTINGS 20 MPa AT 28 DAYS.
15. WIRE NETTING :
    75mm x 1,8mm Ø x GALVANIZED MESH
16. STEEL PEG :
    12mm Ø MILD STEEL FULLY GALVANIZED.

COMPLYING WITH CKS 82

FOR LATEST VERSION CHECK www.nra.co.za

No.	DATE	VERSION / REVISION	APPROVED
V1	SEPT 2014	ORIGINAL VERSION	

SANRAL TYPICAL DRAWINGS

COPYRIGHT: THIS DRAWING IS PROTECTED IN TERMS OF THE COPYRIGHT ACT No. 98 OF 1978 AND MAY NOT BE REPRODUCED WITHOUT PERMISSION IN WRITING FROM SANRAL.
CONDITIONS FOR USE: CONSULTANTS APPOINTED BY SANRAL SHALL INCORPORATE THE TYPICAL DETAILS HEREON INTO THEIR SPECIFIC DESIGN FOR WHICH THEY WILL ASSUME FULL PROFESSIONAL RESPONSIBILITY. THIS TYPICAL DRAWING MAY NOT BE USED FOR TENDER PURPOSES.

THE SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD
Reg. No. 1998/009884/30

HEAD OFFICE
48 Tambotie Avenue
Val de Grace
Pretoria
0184

PO Box 415
Pretoria 0001
South Africa

Tel: (012) 844 8000

APPROVED

DATE: 2015/06/26

TYPICAL DRAWINGS - ROADWORKS

FENCING & RELATED ITEMS
GAME PROOF FENCING ON STEEL POSTS

SANRAL DOC. No. (PDF) 1693727
SANRAL DOC. No. (DWG) 1797377
SANRAL DRAWING No. TD-R-FG-1006-V1