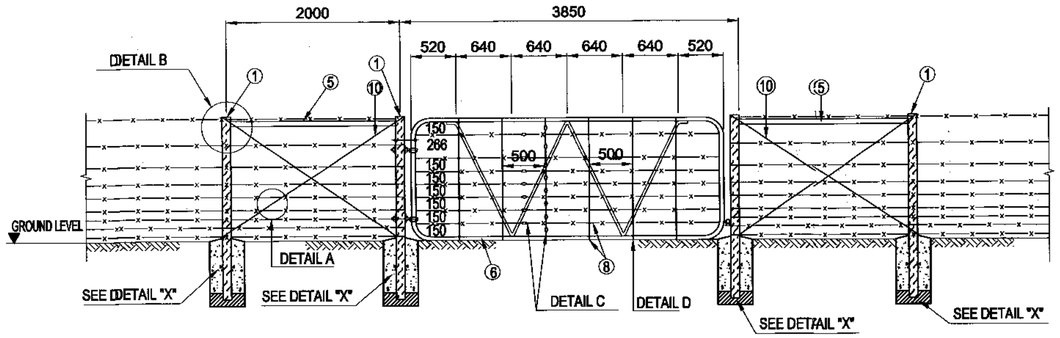


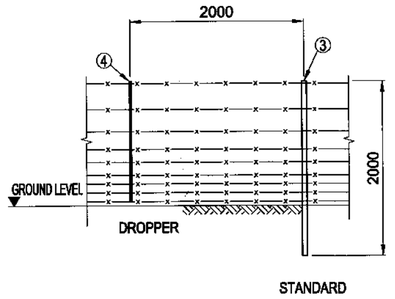
STRAINING POST DETAIL

SCALE 1:50



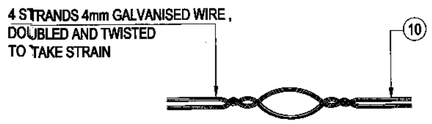
FENCE DETAIL AT GATE

SCALE 1:50



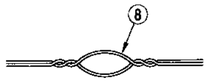
STANDARDS AND DROPPERS

SCALE 1:50



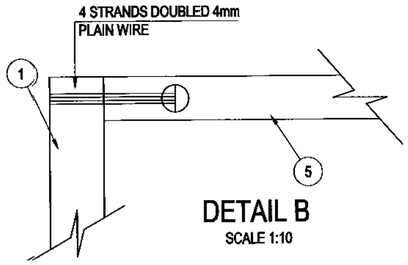
DETAIL A

N.T.S



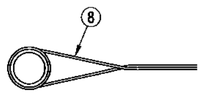
DETAIL C

N.T.S



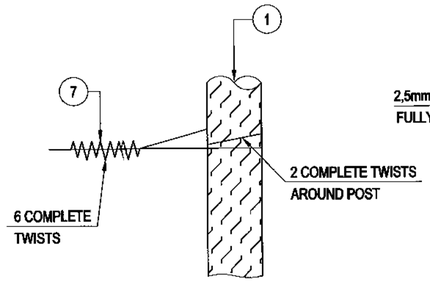
DETAIL B

SCALE 1:10

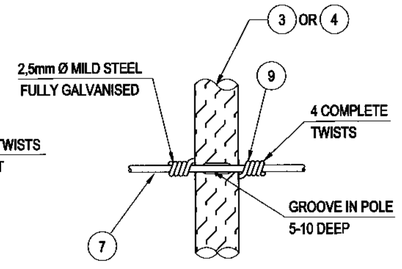


DETAIL D

N.T.S



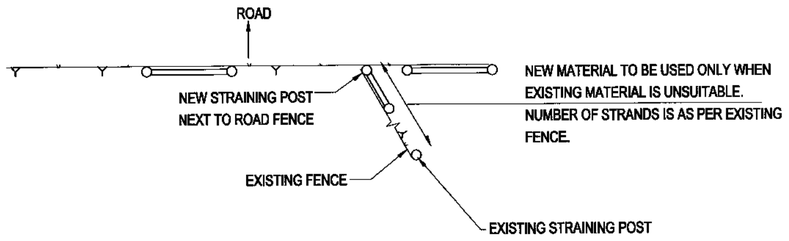
STRAINING POSTS



STANDARDS AND DROPPERS

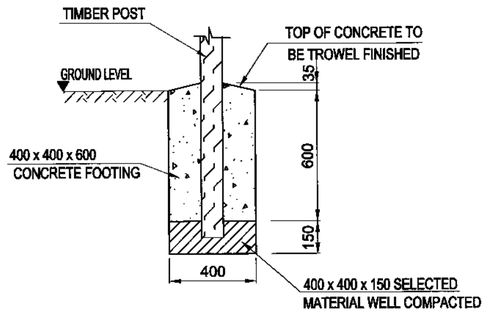
FASTENING OF BARBED WIRE TO DROPPERS, STANDARDS AND POSTS

SCALE 1:10



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

SCALE 1:100



DETAILS OF POST FOOTINGS - DETAIL "X" 400 x 400 x 600

SCALE 1:20

NOTES

1. STRAINING POSTS:
   2100 X 125mm,NOTCHED AND ANCHORED IN CONCRETE
2. ALL TIMBER POSTS, STANDARDS AND DROPPERS SHALL COMPLY WITH SANS 457-3 AND SHALL BE TREATED IN ACCORDANCE WITH SANS 10005 WITH A CREOSOTE THAT COMPLIES WITH SANS 538 OR SANS 539.
3. STANDARDS:
   2000 X 100mm Ø, NOTCHED AND SET IN WELL COMPACTED BACKFILL.
4. DROPPERS:
   1400 X 136mm Ø.
5. CROSS BRACE SUPPORT :
   100mm Ø .
6. GOVERNMENT PATTERN FARM GATE :
   MANUFACTURED FROM 42.9 Ø x 2.6mm STEEL TUBING WITH HINGES, WASHERS, BOLTS AND LOCKING CHAIN ATTACHED TO GATE (COMPLYING WITH CKS 146).
   ALL FULLY GALVANIZED (SANS 121/ISO 1461).
7. BARBED WIRE:
   3,2 X 2,5mm OVAL HIGH TENSILE GRADE SINGLE STRAND (SANS 675), FULLY GALVANIZED.
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: NONE
12. MAXIMUM SPACING OF:
    STRAINING POSTS 180m c/c
    STANDARDS 18m c/c
    DROPPERS 2m 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.

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. 1998/009584/30

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
STOCK PROOF FENCING
9 STRANDS ON TIMBER POSTS

SANRAL DOC. No. (PDF) 1693726
SANRAL DOC. No. (DWG) 1797260
SANRAL DRAWING No. TD-R-FG-1003-V1