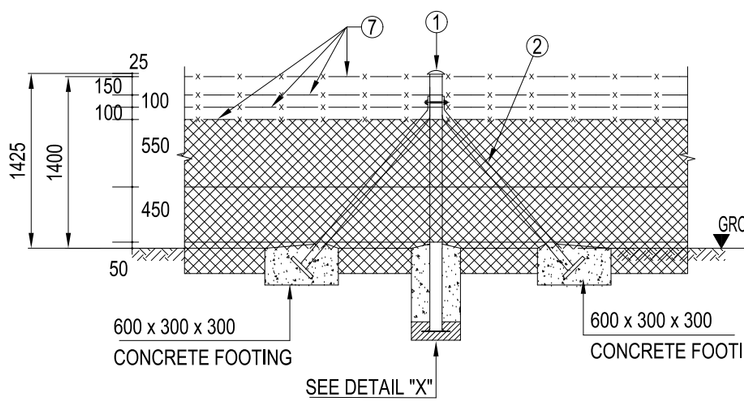
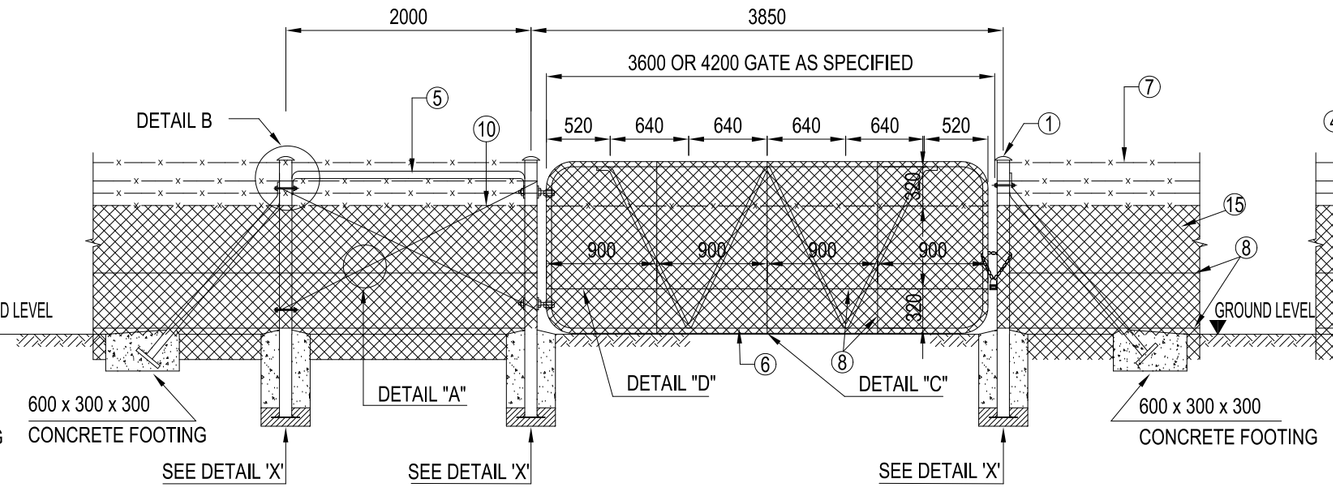


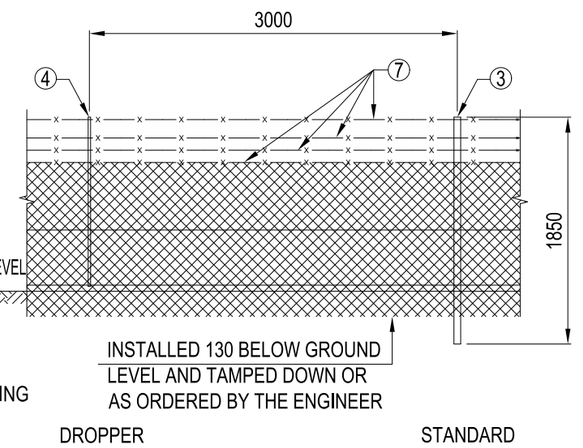
STRAINING POST DETAIL

SCALE 1:50



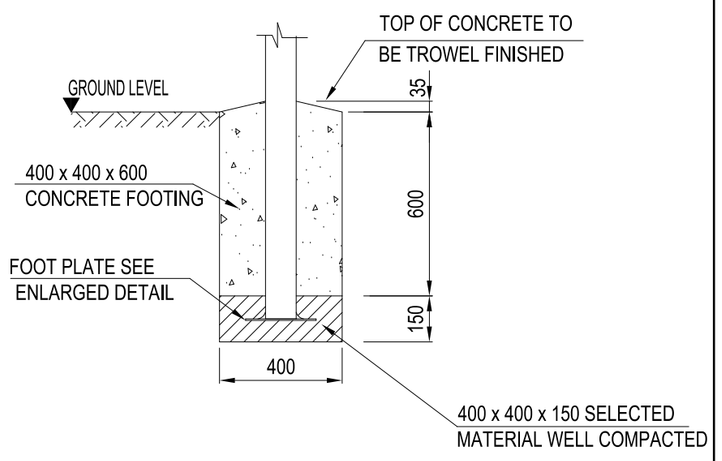
FENCE DETAIL AND STRAINING POST AT GATE

SCALE 1:50



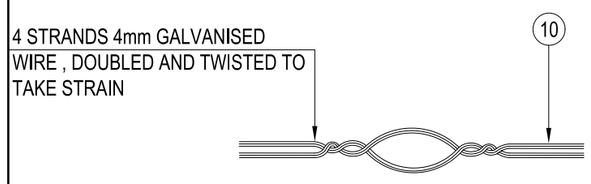
STANDARDS AND DROPPERS

SCALE 1:50



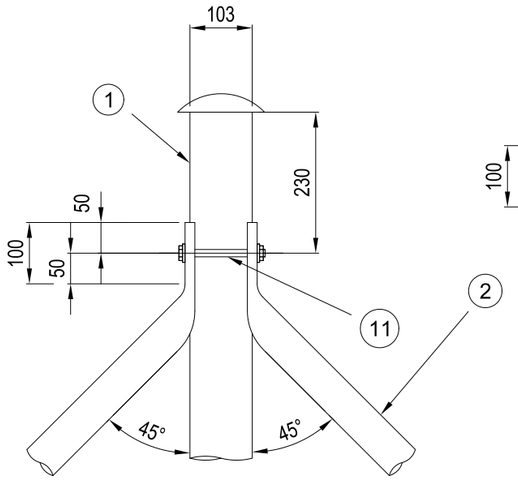
DETAILS OF POST FOOTINGS - DETAIL "X" 400 x 400 x 600

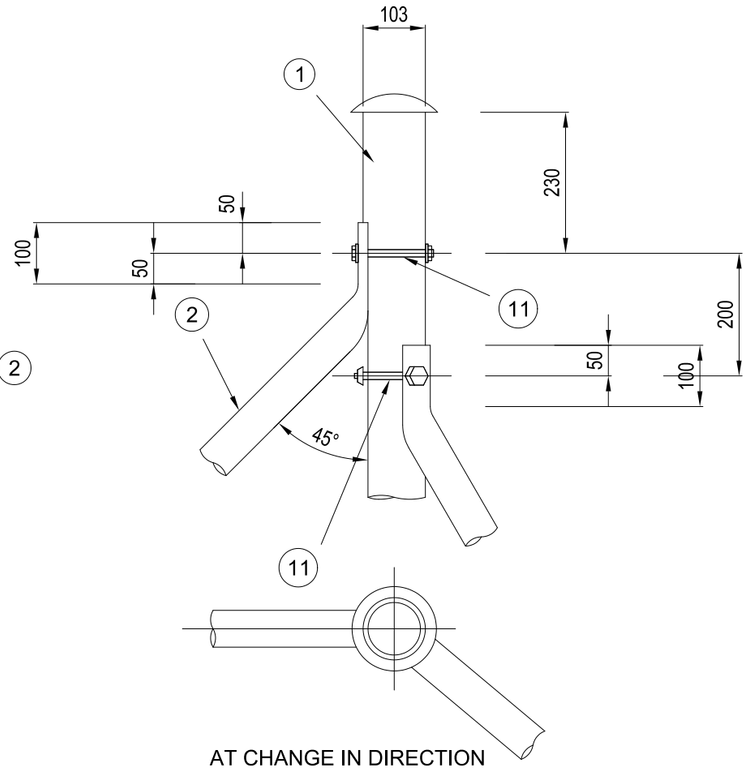
SCALE 1:20



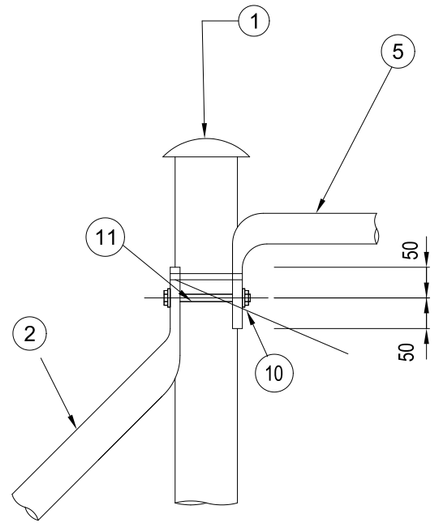
DETAIL "A"

N.T.S



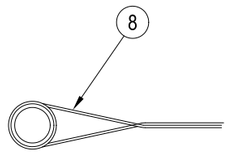


AT CHANGE IN DIRECTION



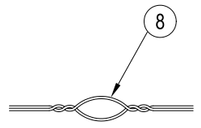
DETAIL B

SCALE 1:10



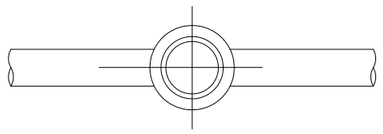
DETAIL"C"

N.T.S.



DETAIL"D"

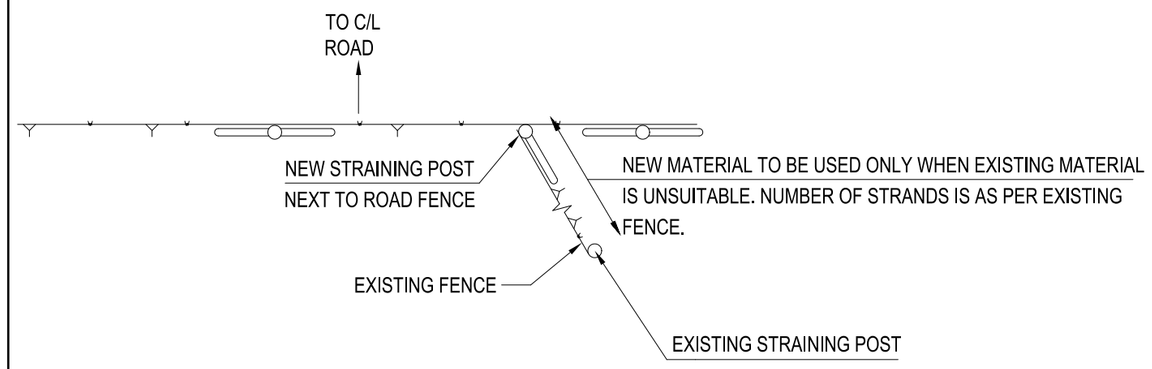
N.T.S.



ON STRAIGHT

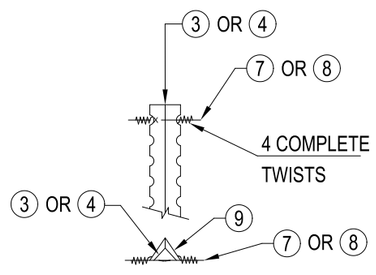
DETAIL OF STRAINING POSTS

SCALE 1:10

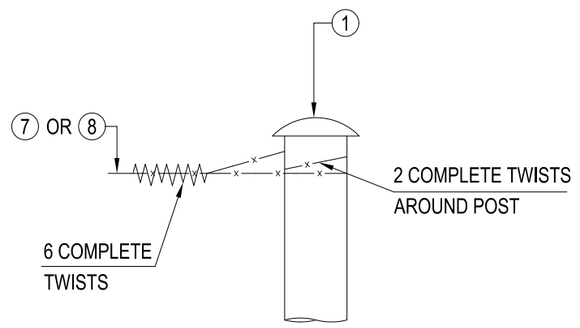


FENCING IN RELATION TO ROAD AND REPAIR OF EXISTING FENCE IF CUT BY ROAD RESERVE

SCALE 1:100



STANDARDS AND DROPPERS



STRAINING POSTS

FASTENING OF BARBED WIRE TO STANDARDS, DROPPERS AND POSTS

SCALE 1:10

NOTES

1. POSTS:
   2130 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:
   2130 X 60 Ø X 3mm MILD STEEL TUBING WITH 230 X 230 X 3mm BASE PLATE, FULLY GALVANIZED (SANS 121/ISO1461).
3. STANDARDS:
   1850 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:
   1400 X 0,56 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. 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 GALVANISED (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:
    12mm Ø MILD STEEL , INCLUDING NUTS AND WASHERS, FULLY GALVANIZED.
12. MAXIMUM SPACING OF:
    STRAINING POSTS 180m c/c
    STANDARDS 15m c/c
    DROPPERS 3m 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

COMPLYING WITH CKS 82

FOR TENDER PURPOSES ONLY

No.	DATE	REVISION	CONSULT. ENG.
V1	SEP 2023	ORIGINAL VERSION	

CONSTRUCTION RECORD (AS BUILT)
WORKS CONTRACT ENGINEER
Name:
Prof, Reg, No.:
Date:
SANRAL PROJECT MANAGER
Name:
Prof, Reg, No.:
Date:

DESIGNED BY
NAME
Prof, Reg, No.
CHECKED BY
NAME
Prof, Reg, No.
DRAWN BY
NAME

CONSULTANT APPROVAL
Name :
Prof, Reg, No. :
Date :

HEAD OFFICE
48 Tambotie Avenue
Val de Grace
Pretoria
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Pretoria 0001
South Africa
Tel: +27 (0) 12 844 8000

SANRAL
SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD
Reg.No. 1998/009583/30
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

SOUTHERN REGION
20 Shoreward Drive
Baywest
Port Elizabeth
6025

P.O.Box 24210
Baywest
Port Elizabeth
6034
Tel: (041) 398 3200

ACCEPTANCE

THIS ACCEPTANCE IS FOR PROCEDURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OR LIABILITY OF ANY KIND FROM WHATSOEVER CAUSE OR HOWEVER ARISING

for CEO: SA NATIONAL ROADS AGENCY LTD.
Date:

PROJECT DESCRIPTION
THE SPECIAL MAINTENANCE ON NATIONAL ROUTE 62 SECTION 6 BETWEEN LOUTERWATER (KM 58.60) AND JOUBERTINA (KM 79.00)

DRAWING NAME
FENCING & RELATED ITEMS: VERMIN PROOF FENCING ON STEEL POSTS

SCALE : N.T.S. SHEET 1 OF 1

PROJECT NUMBER	SANRAL R.062-060-2021/2F
DRAWING LOCATION DATA	START / END
ROUTE	R62 / R62
SECTION	6 / 6
DRAWING km DISTANCE	58,60 / 79,00
DRAWING TYPE	FENCING
BRIDGE/STRUCTURE No.	-
CONSULTANT DRAWING No.	ER 2203/147 VER. V1
SANRAL DOC No.	-