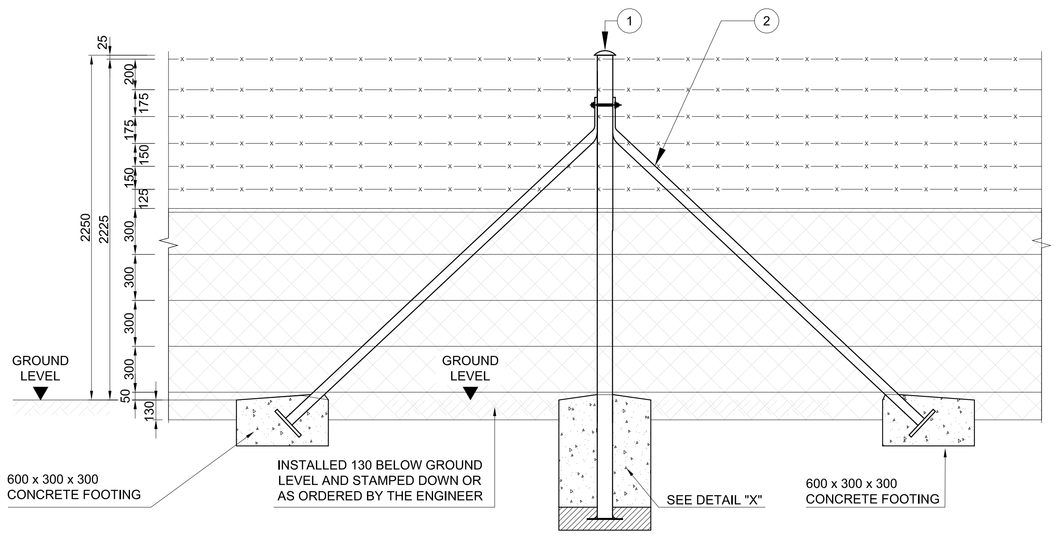
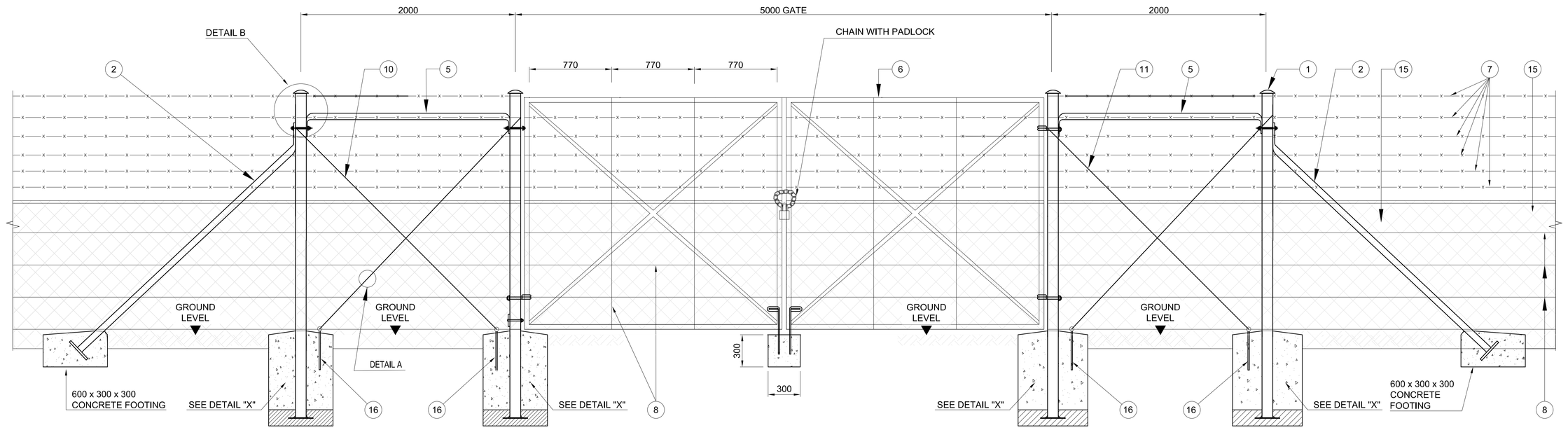
GAME PROOF FENCING ON STEEL POSTS

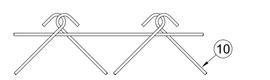
NOTE:
ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND. REFER ANY DISCREPANCIES TO THE ENGINEER.



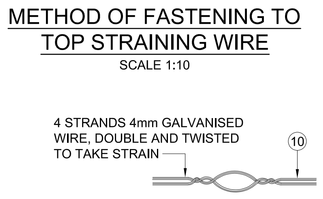
STRAINING POST DETAIL
SCALE 1 : 50



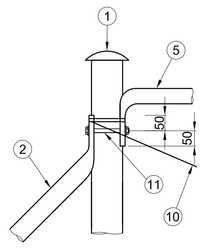
FENCE DETAIL AT GATE
SCALE 1 : 50



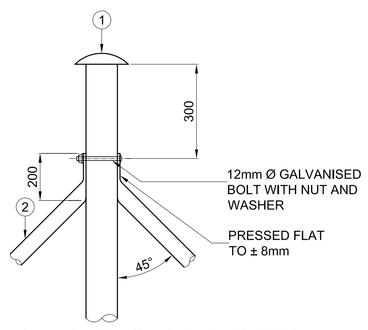
METHOD OF FASTENING TO TOP STRAINING WIRE
SCALE 1:10



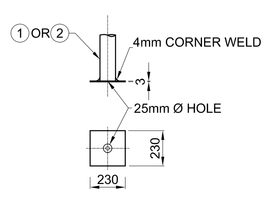
DETAIL A
N.T.S



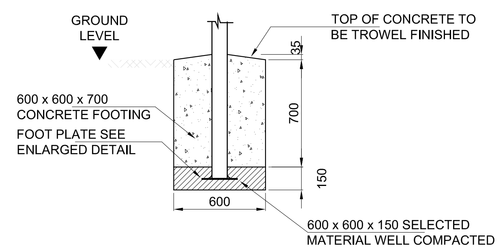
DETAIL B
SCALE 1:10



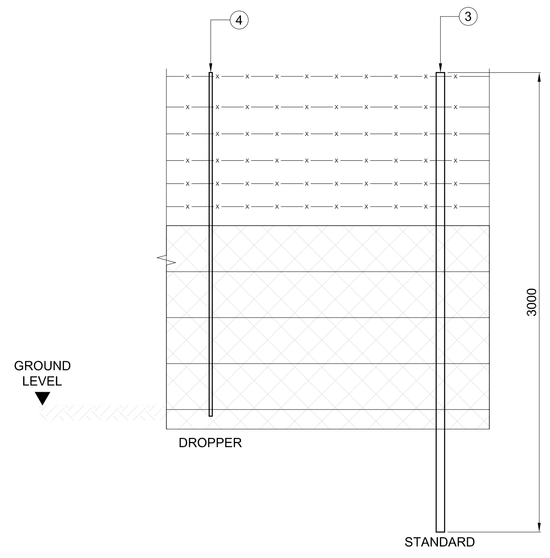
DETAIL OF STRAINING POST
SCALE 1:10



DETAIL OF FOOT PLATE
SCALE 1:20



DETAILS OF POST FOOTINGS - DETAIL "X" 600 x 600 x 700
SCALE 1:20

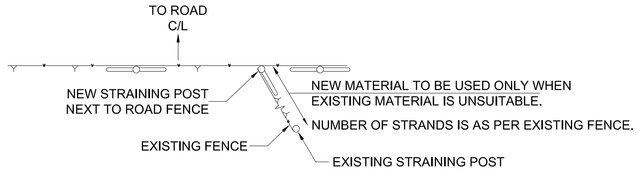


STANDARD AND DROPPERS
SCALE 1:50

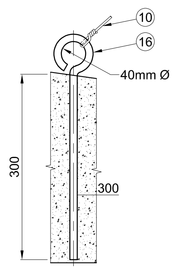
NOTES

1. POSTS:
   a) STEEL : 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:
   a) STEEL : 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 :
   a) STEEL : 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.

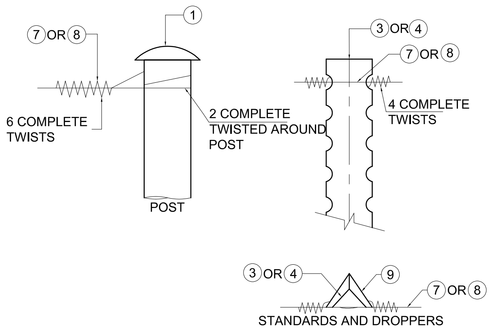
COMPLYING WITH CKS 82



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



FASTENING TO DROPPERS, STANDARDS AND POSTS
SCALE 1:10

No.	DATE	REVISION	CONSULT. ENG.
V1	21/06/2023	ORIGINAL VERSION	-

CONSTRUCTION RECORD (AS-BUILT)
WORKS CONTRACT ENGINEER
Name :
Prof. Reg. No. :
Date :
SANRAL PROJECT MANAGER
Name :
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
0184

PO Box 415
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South Africa

Tel: (012) 844 8000

SANRAL
SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD
Reg No. 1998/009884/30
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

NORTHERN REGION
38 Ida Street
Menlo Park
Pretoria
0081

Private Bag X17
Lynnwood Ridge
0040

Tel: (012) 426 6200

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 the SA NATIONAL ROADS AGENCY SOC LTD.
Date:

PROJECT DESCRIPTION
MSBBR : R531 SECTION 2 - EMERGENCY REPAIR OF DAMAGED STEEL RIBBED PIPE CULVERT AT km 6.9 AND SINKHOLE AT km 11.4

DRAWING DESCRIPTION
GAME PROOF FENCING ON STEEL POSTS

SCALE : AS SHOWN (A0 SHEET) SHEET 1 OF 1

PROJECT NUMBER	R.531-020-2023/1	
DRAWING LOCATION DATA	START	END
ROUTE	R531	R531
SECTION	2	2
DRAWING km DISTANCE	km 6.90	km 11.40
DRAWING TYPE	ROADS - ANCILLARY	
BRIDGE/STRUCTURE No.	-	
CONSULTANT DRAWING No.	TP1916.32-E01	VER
SANRAL DOCUMENT #	-	V1

DRAWING TP1916.32-E01