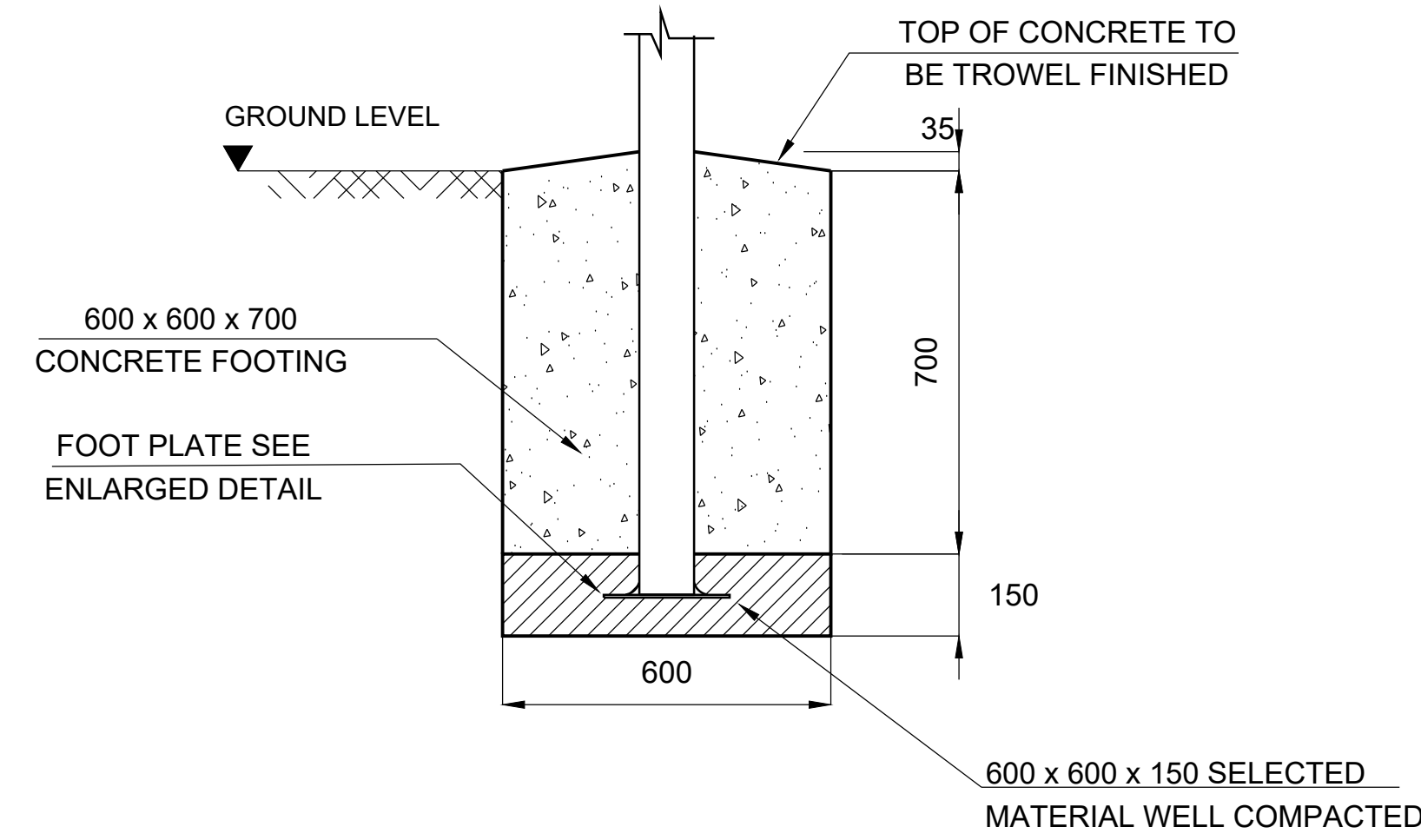


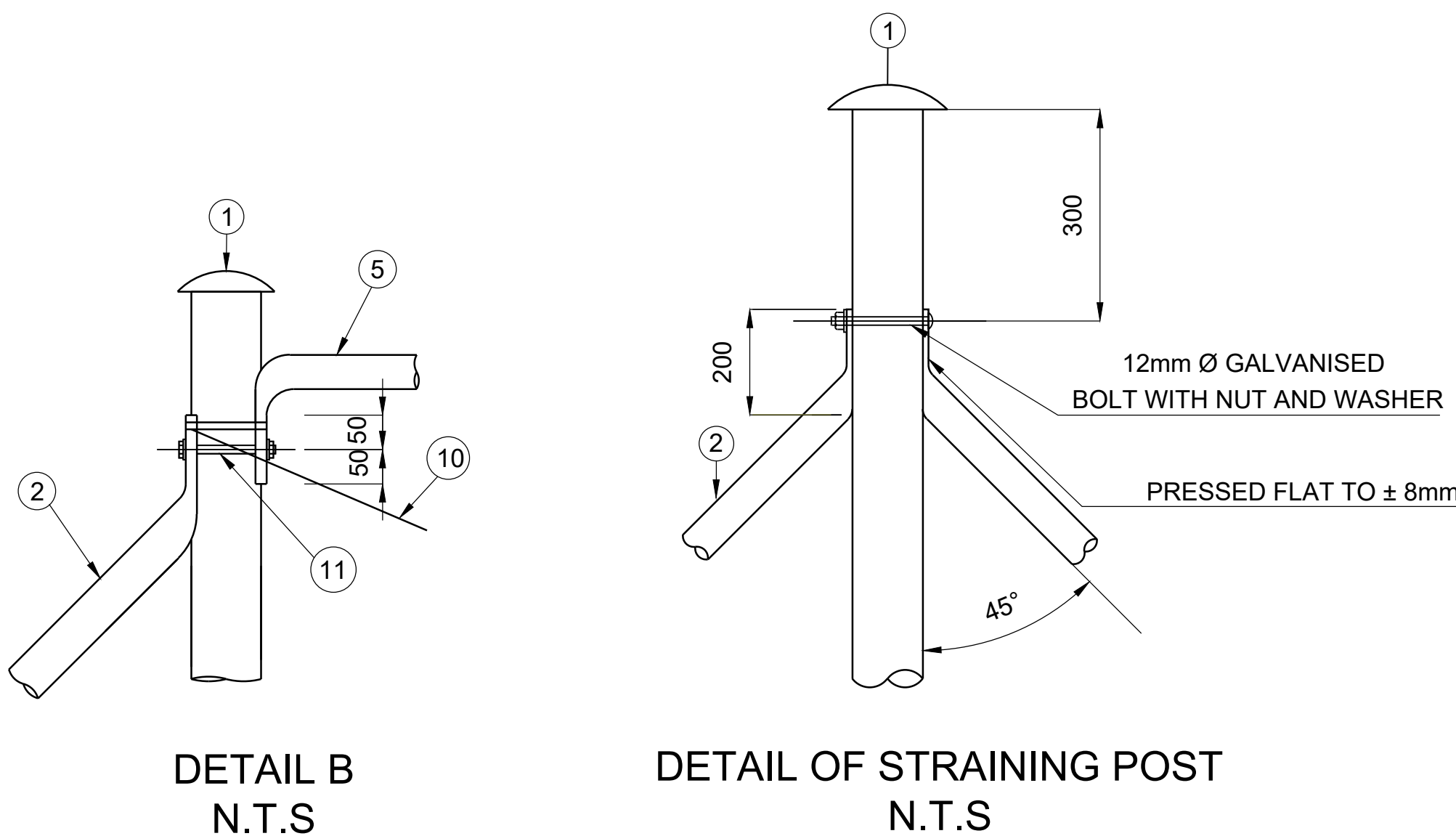
STRAINING POST DETAIL
N.T.S

FENCE DETAIL AT GATE
N.T.S

STANDARDS AND DROPPERS
N.T.S

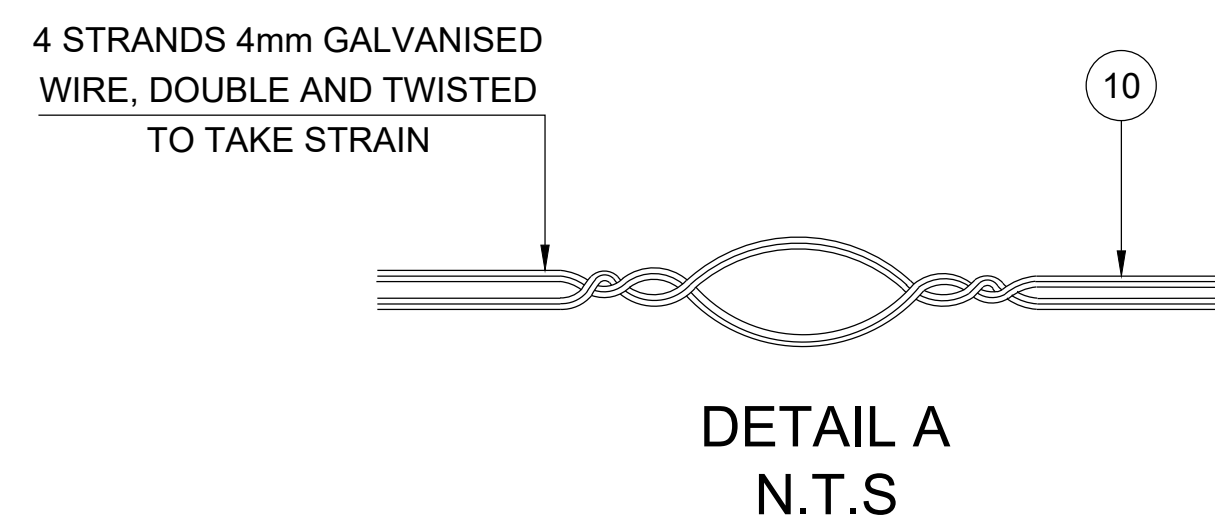


DETAILS OF POST FOOTINGS - DETAIL "X"
600 X 600 X 700
N.T.S

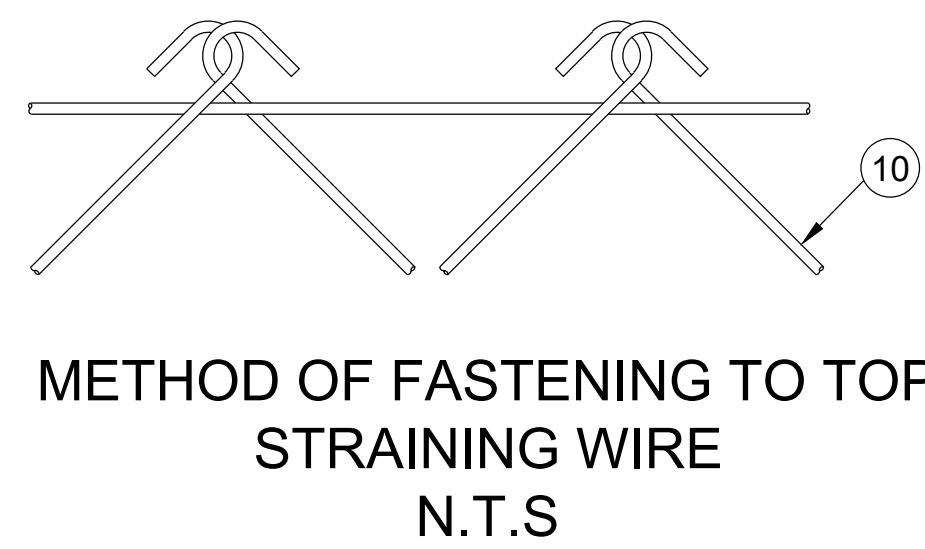


DETAIL B
N.T.S

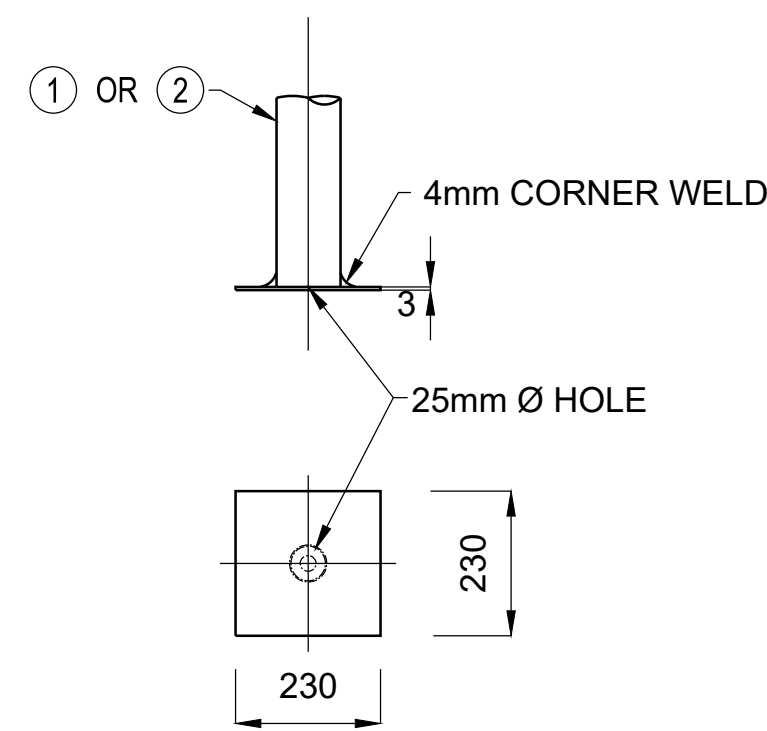
DETAIL OF STRAINING POST
N.T.S



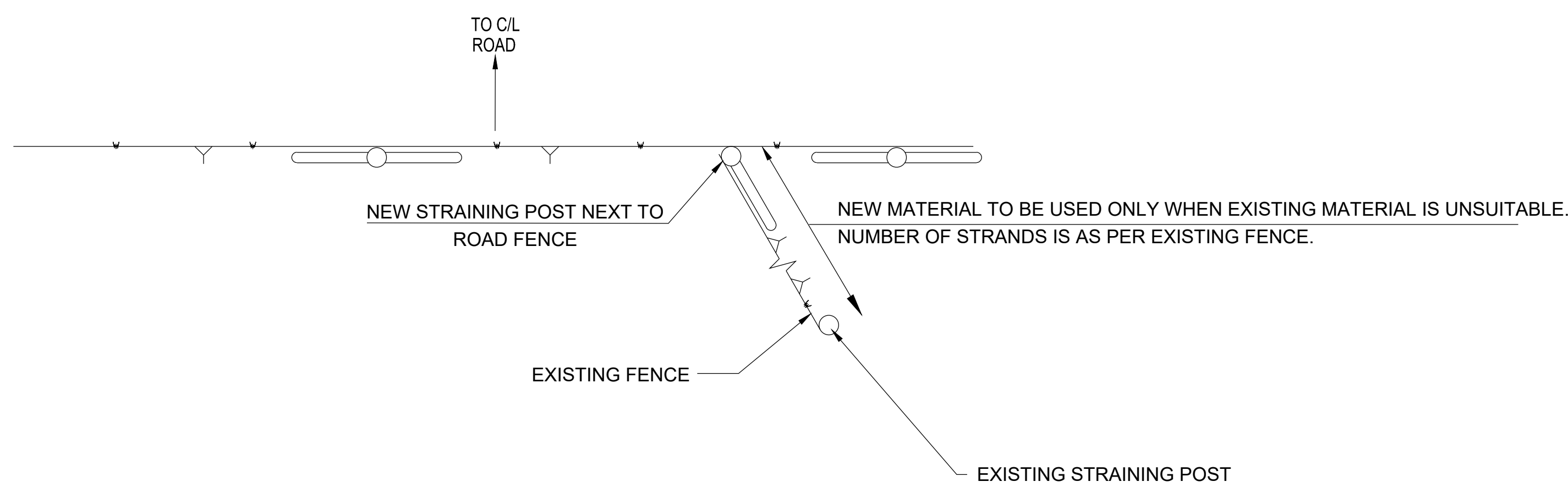
DETAIL A
N.T.S



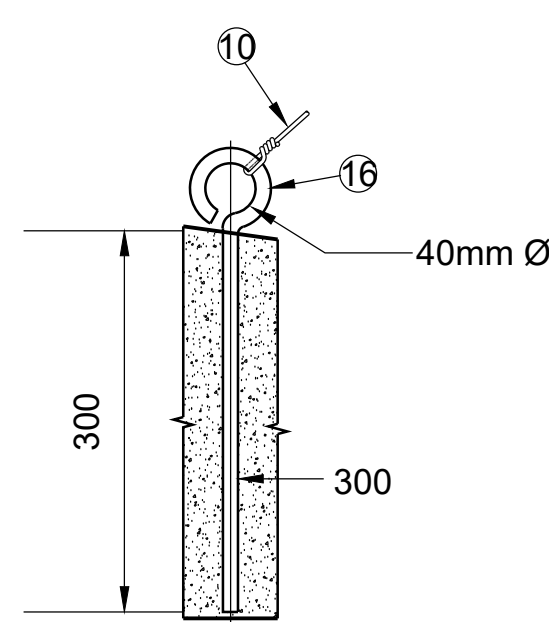
METHOD OF FASTENING TO TOP
STRAINING WIRE
N.T.S



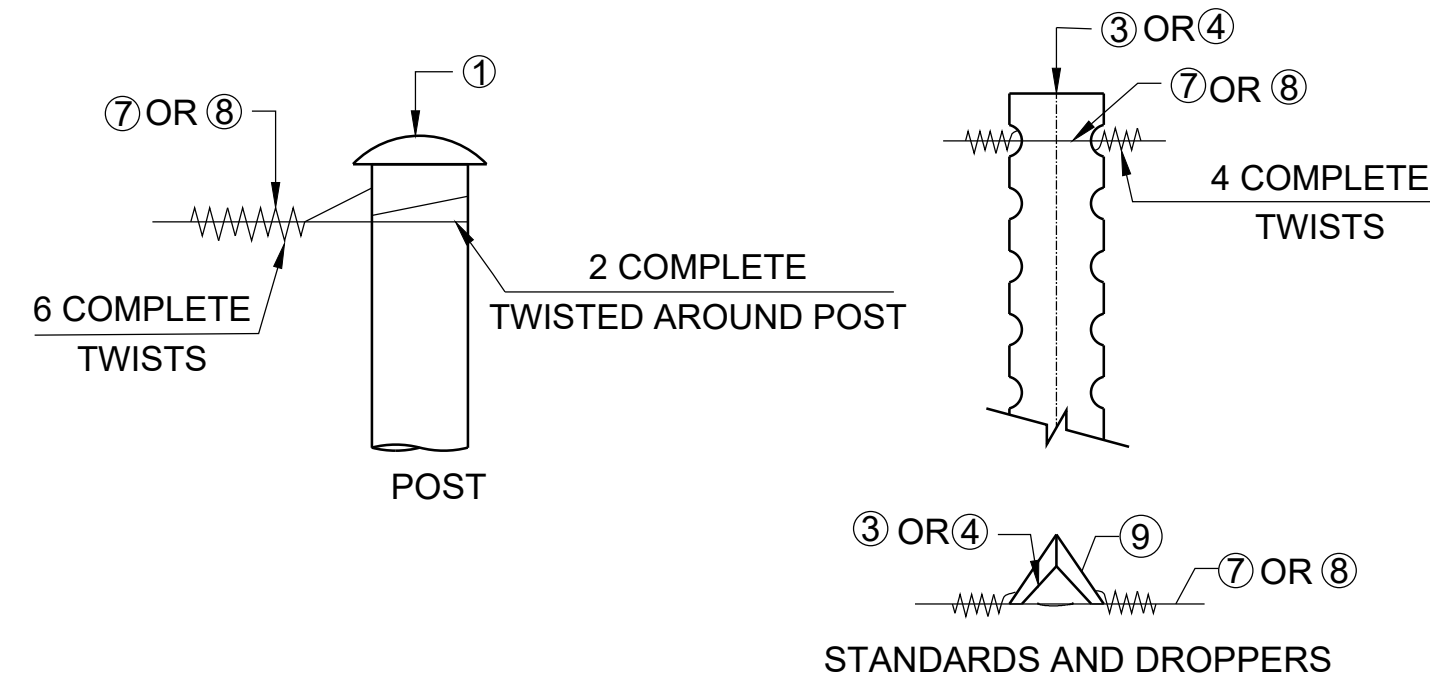
DETAIL OF FOOT PLATE
N.T.S



FENCING IN RELATION TO ROAD AND REPAIR OF EXISTING FENCE IN
CUT BY ROAD RESERVE
N.T.S



DETAIL OF STEEL PEG
N.T.S



FASTENING TO DROPPERS, STANDARDS
AND POSTS
N.T.S

- NOTES:
- POSTS: 3000 X 1000 X 3 mm MILD STEEL TUDING WITH STEEL CAP AND 230 X 230 X 3 mm BASE PLATE, FULLY GALVANIZED (SANS 121/ ISO 1461) (WITHOUT HOLES FOR WIRES).
 - STAYS: 3350 X 600 X 3 mm MILD STEEL TUBING WITH 230 X 230 X 3 mm BASE PLATE, FULLY GALVANIZED (SANS 121/ISO1461).
 - STANDARDS: 3000 X 2.5 kg/m "Y" SECTION COMPLETE WITH HOLES AT 50 mm CENTRES, FULLY GALVANIZED (SANS 121/ ISO01461) IF WITHIN 25 km FROM THE COAST.
 - DROPPERS: 2250 X 0.56 mm kg/m RIDGEBACK PATTERN (SANS 121/ISO01461), FULLY GALVANIZED IF WITHIN 25km FROM THE COAST.
 - CROSS BRACE SUPPORT: 2400 X 600 X 3 mm MILD STEEL TUBING BENT AND FLATTENED AS SHOWN, FULLY GALVANISED (SANS 121/ISO1461), ENDS PRESSED FLAT TO ±8 mm.
 - GATE: 420 X 2 mm MILD STEEL TUBING FRAME 21.40 X 2 mm MILD STEEL TUBE BRACING, COMPLETE WITH HINGES, WASHERS, BOLTS AND LOCKING CHAIN ATTACHED TO GATE (COMPLYING WITH CKS 146), FULLY GALVANIZED (SANS 121/ISO 1461) AFTER FABRICATION.
 - BARBED WIRE: 3.2 X 2.5 mm OVAL HIGH TENSILE GRADE SINGLE STRAND (SANS 675), FULLY GALVANISED.
 - SMOOTH WIRE: 3.0 mm Ø HIGH TENSILE GRADE (SANS 675) FULLY GALVANIZED.
 - TYING WIRE: 2.5 mm Ø MILD STEEL (SANS 675), FULLY GALVANIZED FOR TYING TO STANDARDS AND DROPPERS.
 - STRAINING WIRE: 4 mm Ø MILD STEEL (SANS 675), FULLY GALVANIZED (4 STRANDS, DOUBLED AND TWISTED TO TAKE STRAIN).
 - BOLTS FOR STAYS: 12 mm Ø MILD STEEL, INCLUDING NUTS AND WASHERS, FULLY GALVANIZED.
 - MAXIMUM SPACING OF: STRAINING POSTS 180 m c/c STANDARDS 15 m c/c DROPPERS 3 m c/c
 - ALL WIRES TO BE ERECTED ON THE ROAD SIDE OF THE FENCE UNLESS OTHERWISE INSTRUCTED.
 - MINIMUM CONCRETE STRENGTH OF FOOTINGS 20 MPa AT 28 DAYS.
 - WIRE NETTING: 75 mm x 1.8 mm Ø x GALVANIZED MESH.
 - STEEL PEG: 12 mm Ø MILD STEEL FULLY GALVANIZED.

COMPLYING WITH CKS 82

ORIGINAL SCALE : 1 : 100

Drawing No. -

FOR TENDER
(FOR TENDER PURPOSES ONLY)

CONSTRUCTION RECORD (AS-BUILT)				DESIGNED BY				CONSULTANT APPROVAL				HEAD OFFICE				EASTERN REGION				ACCEPTANCE				PROJECT DESCRIPTION				PROJECT NUMBER			
WORKS CONTRACT ENGINEER				NAME				Name				48 Tambotie Avenue Val de Grace Pretoria 0184				58 Van Eck Place Mkondeni Pietermaritzburg 3201				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				THE CONSTRUCTION OF PAVEMENT AND SETTLEMENT REPAIRS ON NATIONAL ROUTE 2, SECTION 30 FROM BUSHVELD RETREAT FARM (km47.0) TO HLUHLWE INTERCHANGE (km 55.0)				N.002-300-2020/1			
Name				Prof. Reg. No.				Prof. Reg. No.				PO Box 415 Pretoria 0001 South Africa				PO Box 100410 Scottsville 3209				Date				DRAWING DESCRIPTION				DRAWING LOCATION DATA			
Date				SIGNED				SIGNED				Tel: (012) 844 8000				Tel: (033) 392 8100				Date				FENCING AND RELATED ITEMS GAME PROOF FENCING ON STEEL POSTS				START			
1				23/10/09				23/10/09				ORIGINAL				ORIGINAL				Date				ROUTE 2, SECTION 30 FROM BUSHVELD RETREAT FARM (km47.0) TO HLUHLWE INTERCHANGE (km 55.0)				N.002			
No.				DATE				No.				REVISION				REVISION				CONSULT. ENG.				DRAWING TYPE				SECTION 30			
																								BRIDGE/STRUCTURE No.				N/A			
																								CONSULTANT DRAWING No.				TP2113-T-094			
																								SANRAL DOCUMENT #				VER			
																								SCALE : N.T.S				SHEET 5 OF 8			