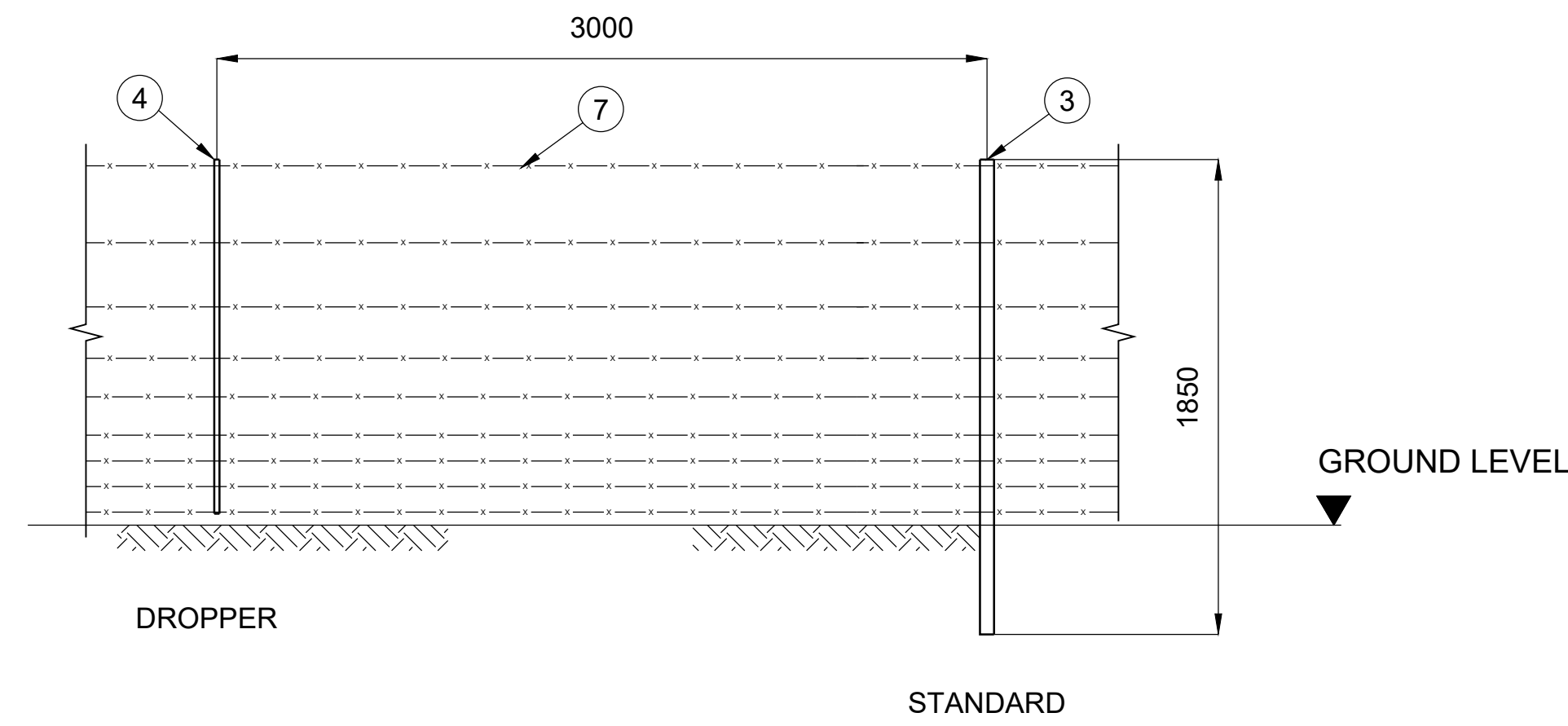
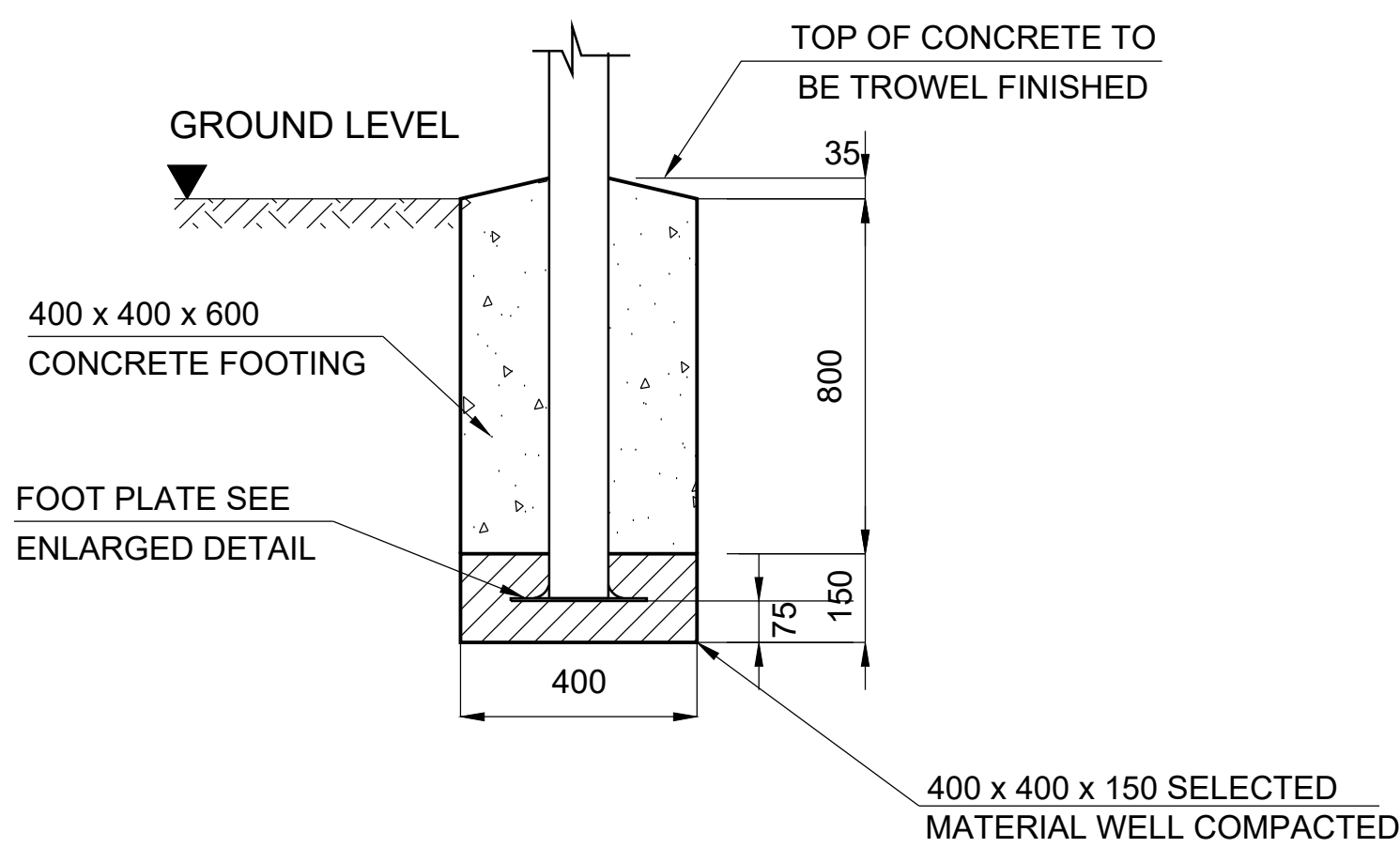


STRAINING POST DETAIL
N.T.S

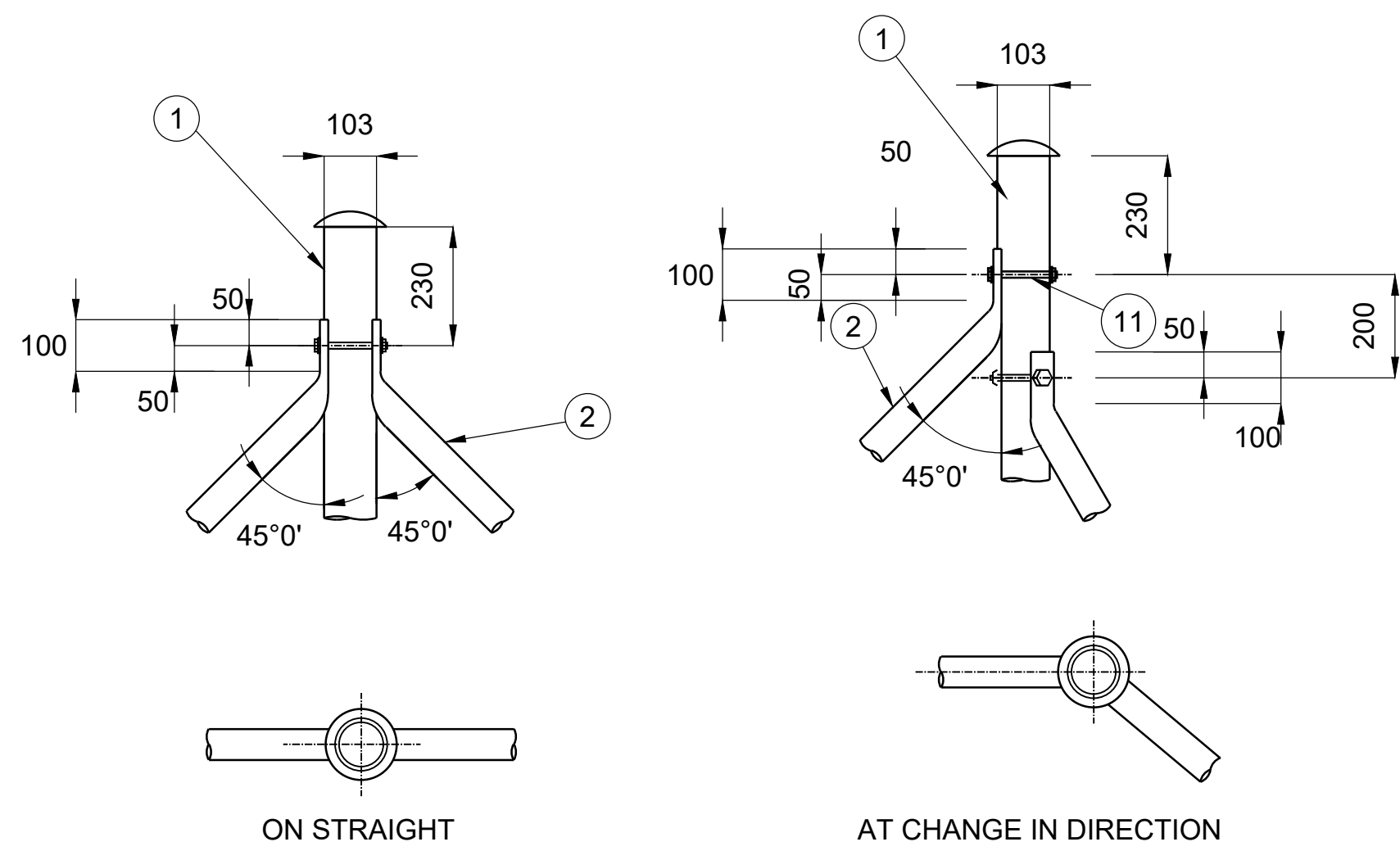
FENCE AND STRAINING POST DETAIL AT GATE
N.T.S



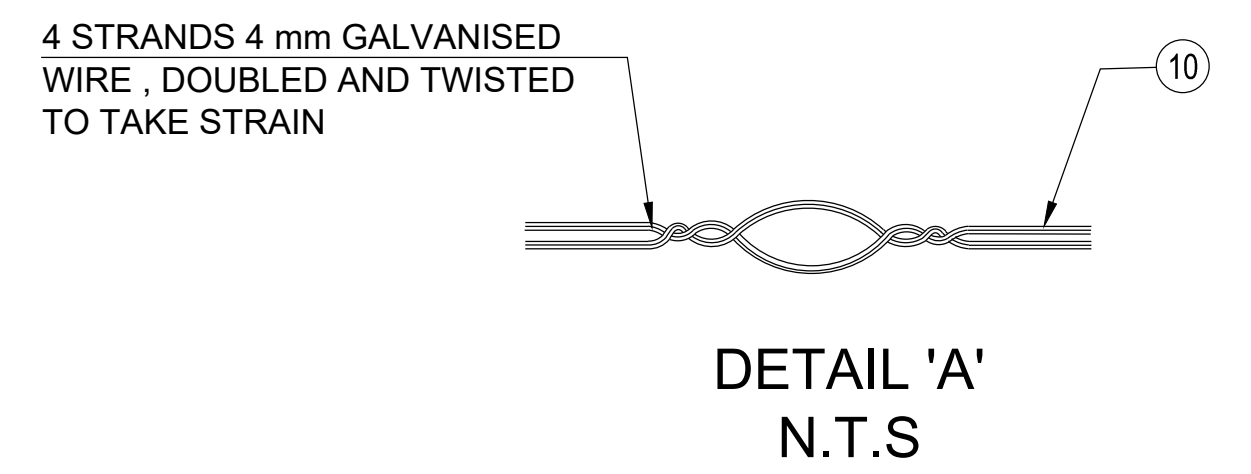
STANDARDS AND DROPPERS
N.T.S



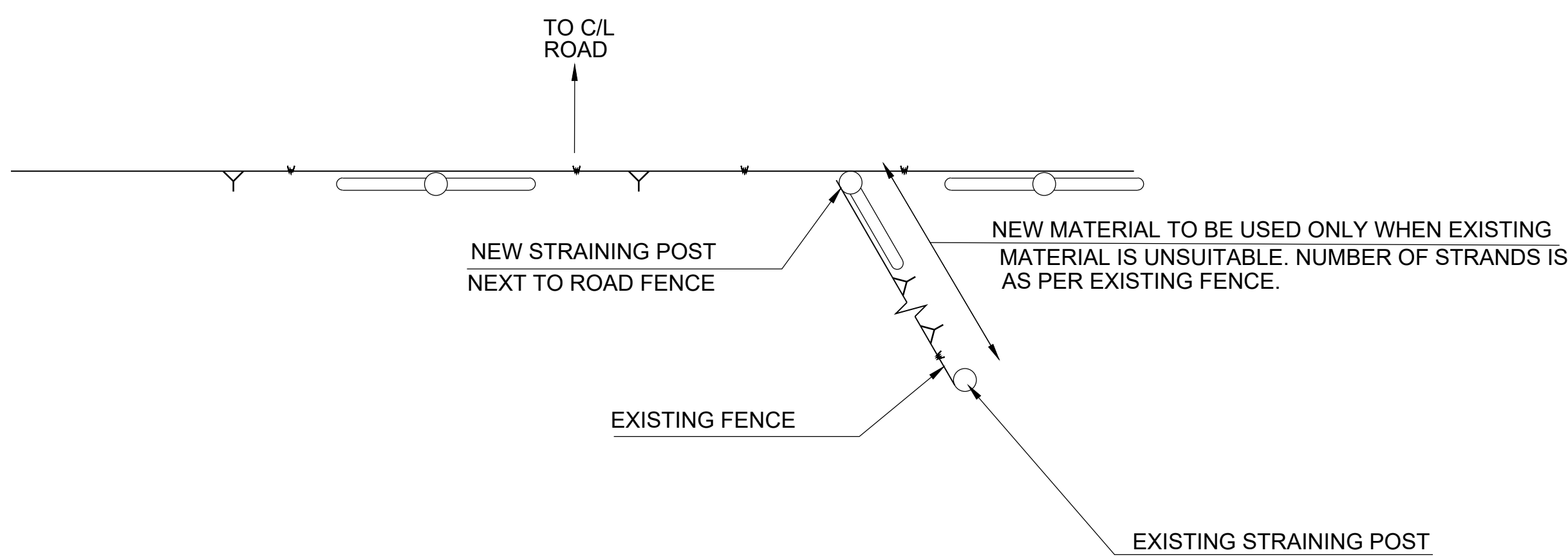
DETAILS OF POST FOOTINGS -
DETAIL 'X' 400 x 400 x 600
N.T.S



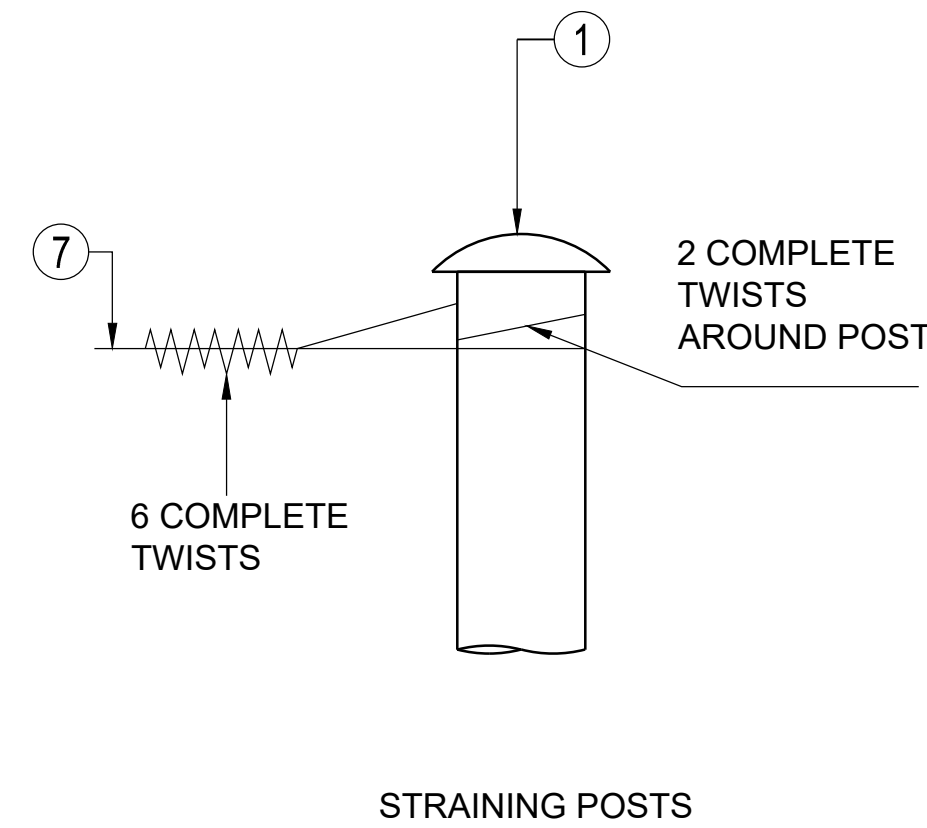
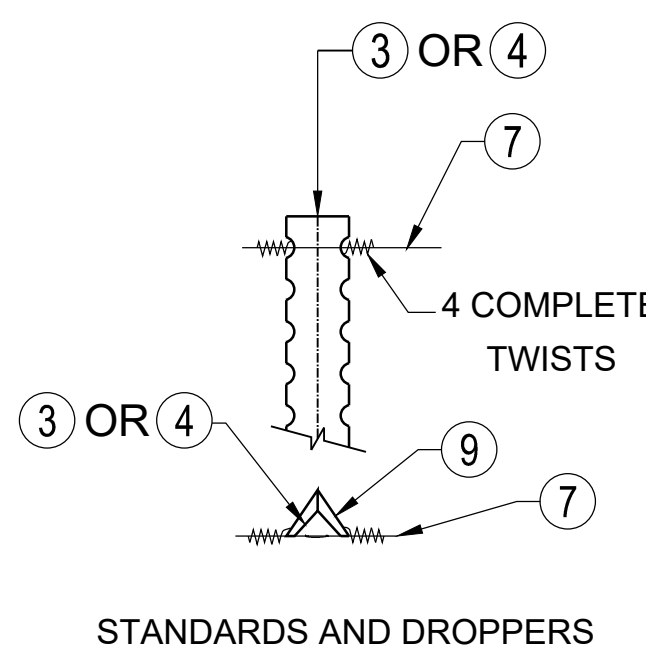
DETAIL OF STRAINING POSTS
N.T.S



DETAIL OF FOOT PLATE
N.T.S



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



FASTENING OF BARBED WIRE TO STANDARDS, DROPPERS AND POSTS
N.T.S

- NOTES:
- POSTS: 2130 X 100Ø X 3mm 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: 1690 X 60Ø X 3mm MILD STEEL TUBING WITH 230 X 230 X 3 mm BASE PLATE, FULLY GALVANISED (SANS 121/ISO1461).
 - STANDARDS: 18500 X 2.5kg/m "Y" SECTION COMPLETE WITH HOLES AT 50 mm CENTRES. FULLY GALVANISED (SANS 121/ ISO01461) IF WITHIN 25 km FROM THE COAST.
 - DROPPERS: 1200 X 0.58 mm kg/m RIDGEBACK PATTERN (SANS 121/ISO1461), FULLY GALVANISED IF WITHIN 25km FROM THE COAST.
 - CROSS BRACE SUPPORT: 2400 X 60Ø X 3 mm MILD STEEL TUBING BENT AND FLATTENED AS SHOWN, FULLY GALVANISED (SANS 121/ISO 1461), ENDS PRESSED FLAT TO ±8 mm.
 - GOVERNMENT PATTERN FARM GATE: MANUFACTURED FROM 42.9Ø X 2.6 mm STEEL TUBING WITH HINGES, WASHERS, BOLTS AND LOCKING CHAIN ATTACHED TO GATE (COMPLYING WITH CKS 146). ALL FULLY GALVANIZED (SANS 121/ ISO1461).
 - 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: 12mm 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.

FOR TENDER
(FOR TENDER PURPOSES ONLY)

CONSTRUCTION RECORD (AS-BUILT)			DESIGNED BY		CONSULTANT APPROVAL		HEAD OFFICE		EASTERN REGION		ACCEPTANCE		PROJECT DESCRIPTION		PROJECT NUMBER		N.002-300-2020/1	
WORKS CONTRACT ENGINEER			NAME		Name		48 Tambotie Avenue		58 Van Eck Place		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 HLUHLUWE INTERCHANGE (km 55.0)		DRAWING LOCATION DATA		START	
Name			Prof. Reg. No.		Prof. Reg. No.		Pretoria		Pietermaritzburg		Date		ROUTE		N.002		END	
SANRAL PROJECT MANAGER			CHECKED BY		Date		0184		3201		Date		SECTION		SECTION 30		SECTION 30	
Name			NAME		PO Box 100410		Pretoria 0001		Scottsville		for the SA NATIONAL ROADS AGENCY SOC LTD.		DRAWING km DISTANCE		km 47.0		km 55.0	
Date			Prof. Reg. No.		3209		South Africa		3209		Date		DRAWING TYPE		FENCING		N/A	
1 23/10/09 ORIGINAL			DRAWN BY		Tel: (012) 844 8000		Tel: (033) 392 8100		Tel: (033) 392 8100		Date		BRIDGE/STRUCTURE No.		TP2113-T-091		VER	
No. DATE REVISION			NAME										CONSULTANT DRAWING No.		1		1	
			CONSULT. ENG.										SANRAL DOCUMENT #					