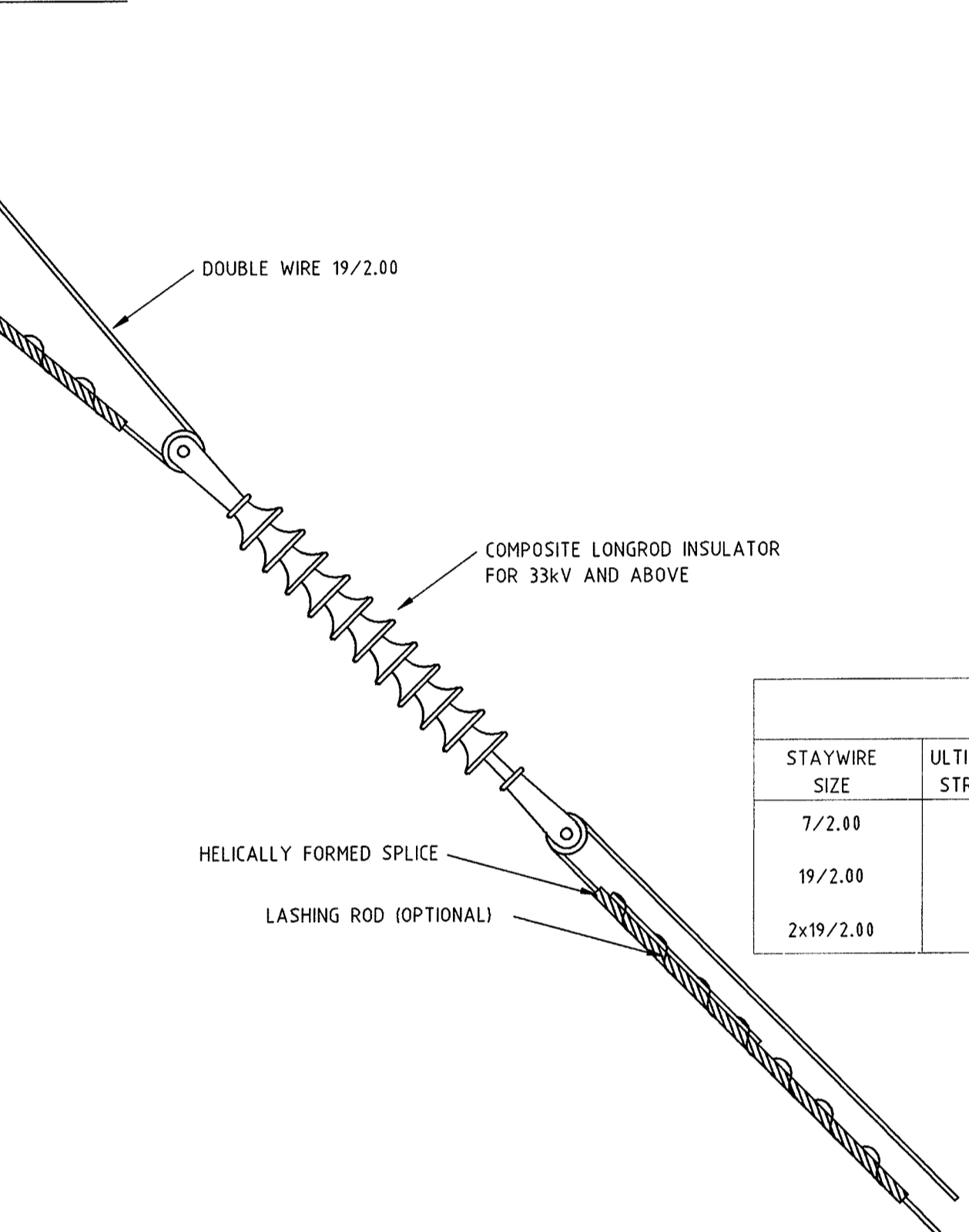
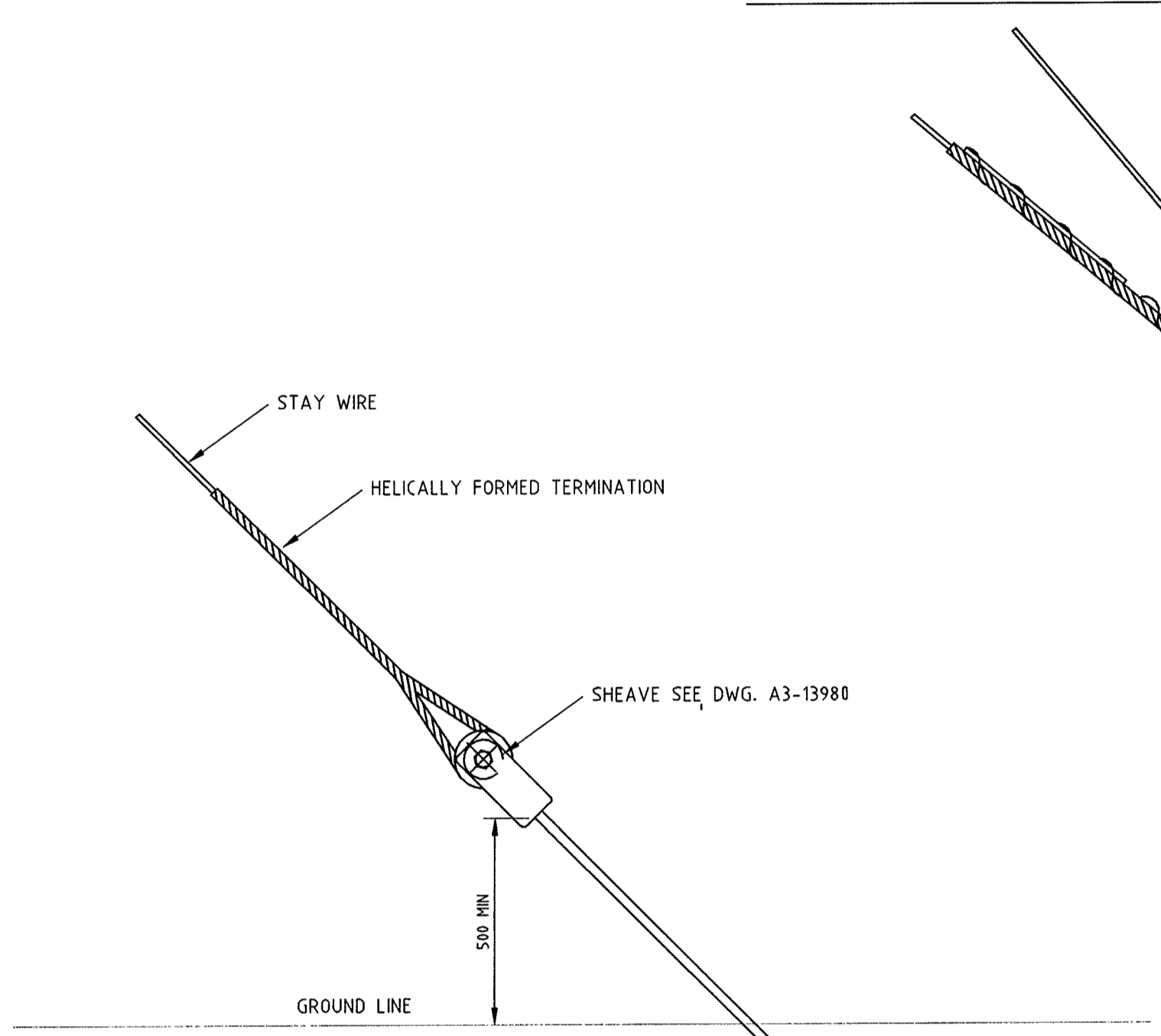
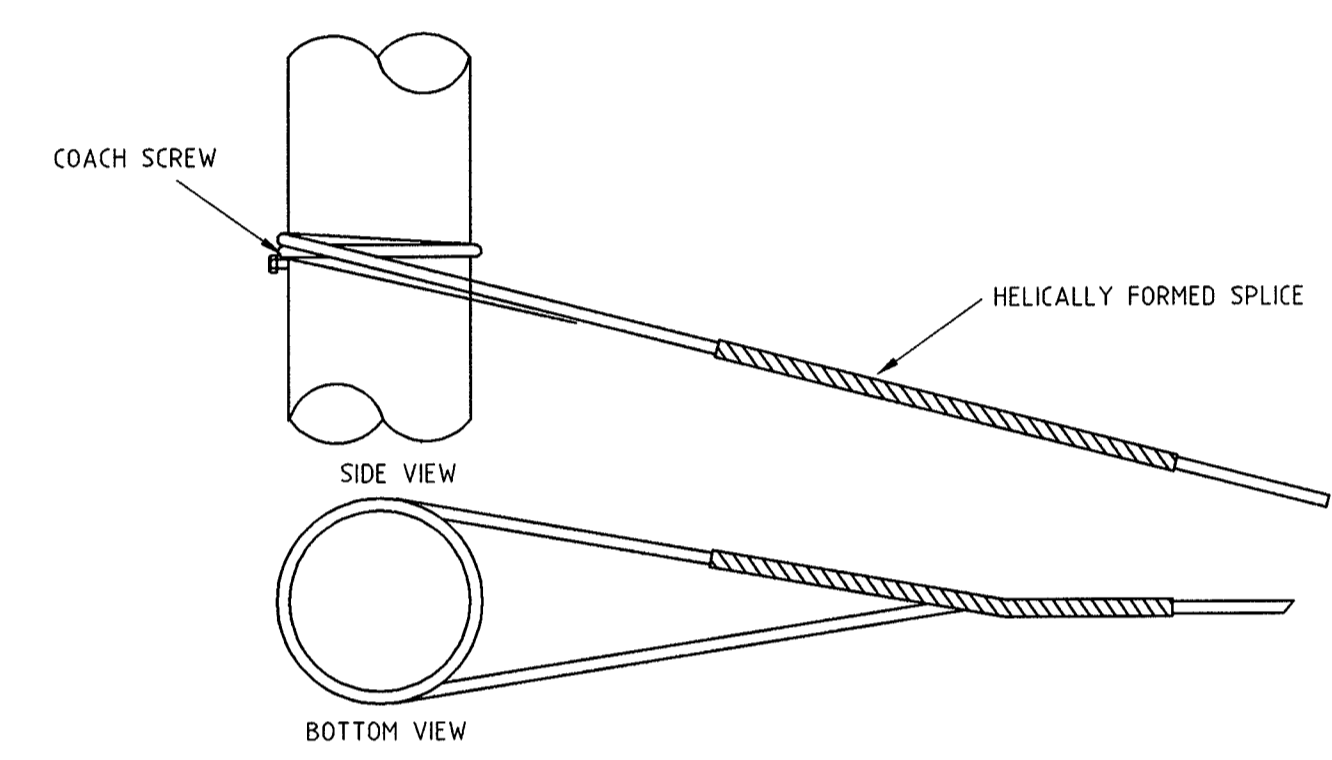


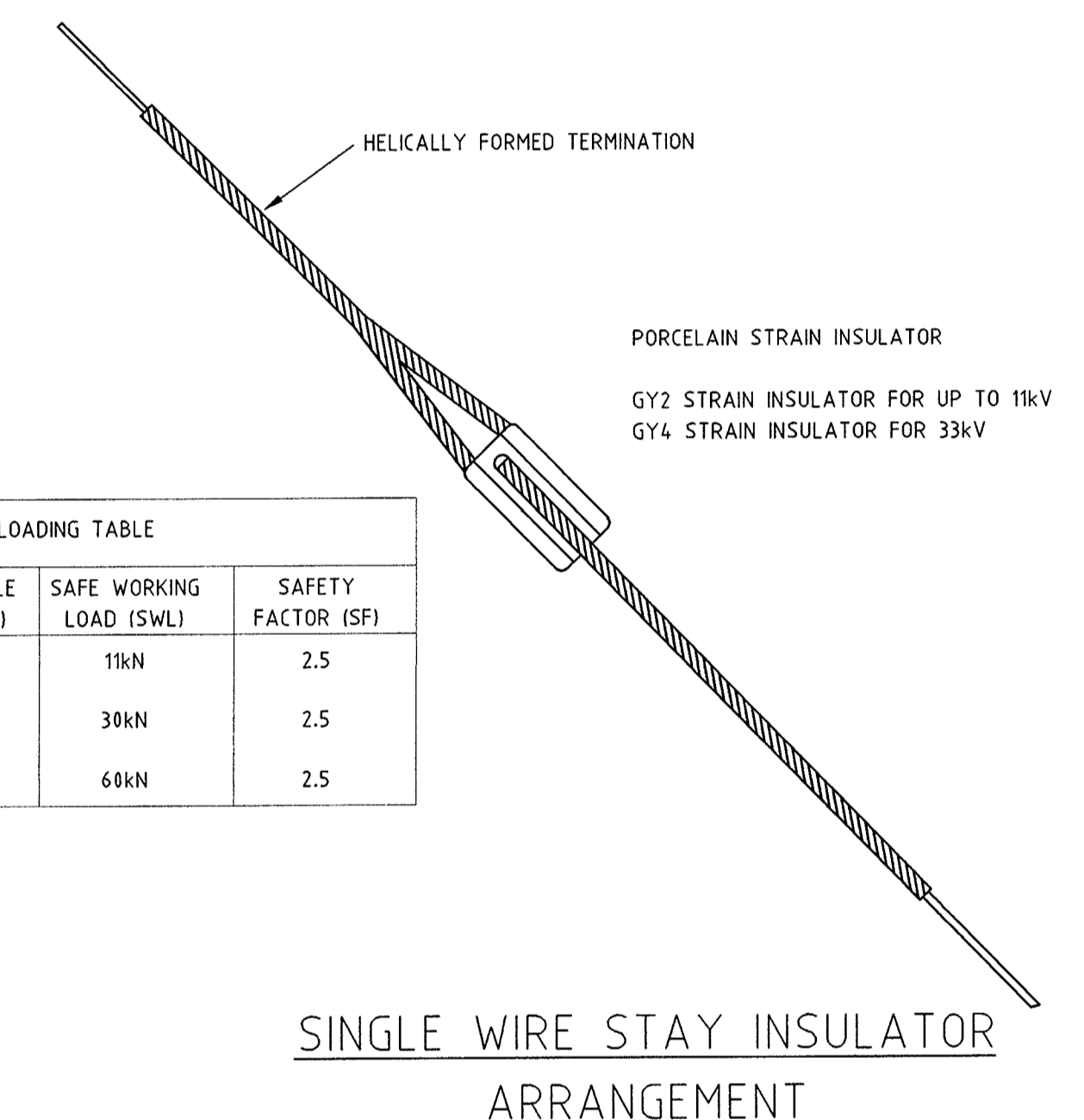
STAY WIRE ARRANGEMENT

DESCRIPTION	DRAWING No.
POLE DETAILS	A2-501
ANCHOR ROD	A4-1000
HARDWOOD BATTEN FOR EARTH WIRES	A3-1122
STAY CONNECTING PLATES	A2-13977
SHEAVE DETAILS	A3-13988
GROUND ANCHOR CABLE FOR PARTIAL ROCK	A2-58797

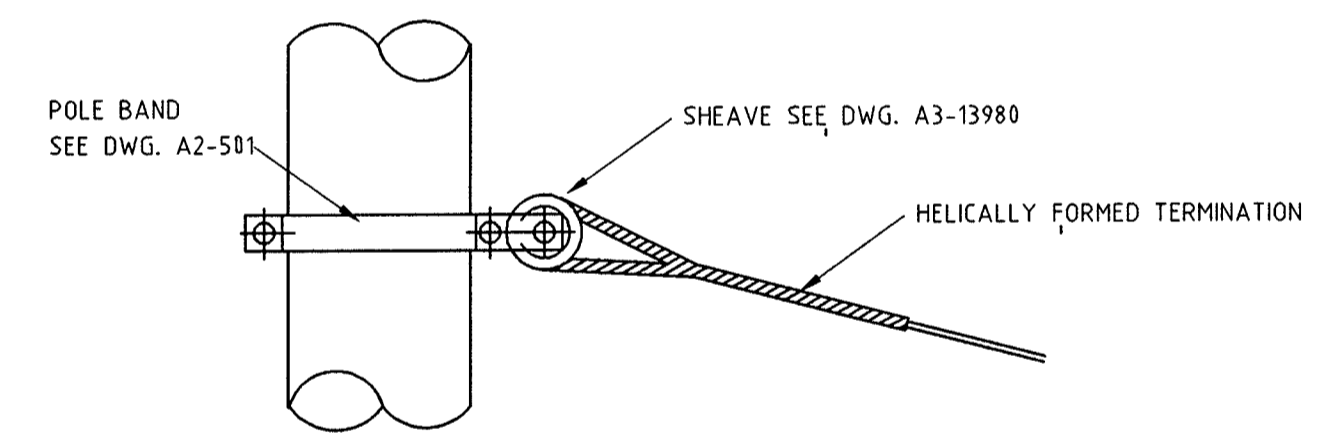
- NOTES:
- 1 TYPES OF GROUND:-
GOOD BEARING - WELL COMPACTED ROCK SOIL, HARD CLAY AND WELL BONDED SAND AND GRAVEL WITH GOOD SURFACE WATER DRAINAGE AND FOOTING NORMALLY ABOVE WATER TABLE. RUPTURE CAPACITY - 60kPa/m
MEDIUM BEARING - COMPACT MEDIUM CLAY, WELL BONDED SANDY LOAM, BONDED SAND AND GRAVEL WITH REASONABLE SURFACE WATER DRAINAGE. RUPTURE CAPACITY - 30kPa/m
POOR BEARING - SOFT CLAY, POOR COMPACTED SAND AND SOILS THAT TEND TO ABSORB LARGE AMOUNTS OF WATER PROVIDED THESE DO NOT DEVELOP INTO SLUSH. RUPTURE CAPACITY - 15kPa/m
 - 2 ANCHOR TO BE TERMINATED WITH GALVANISED M.S. SQUARE WASHER (75mm SIDES & 10mm THK.) THE END OF THE ROD TO BE MUSHROOMED OVER NUT.
 - 3 WHERE THE STAYWIRE PASSES THROUGH CONDUCTORS OF DIFFERENT CIRCUITS, A STAY INSULATOR WILL BE PLACED IN THE STAY WIRE ABOVE AND BELOW EACH CIRCUIT.
 - 4 WHERE STAY INSULATORS ARE OMITTED IN DOUBLE STAY WIRES, USE STAY CONNECTING PLATES AND SHEAVES TO EQUALISE THE STAY WIRE TENSIONS.
 - 5 NEW INSTALLATIONS - USE 2400mm LENGTH OF 40mm WHITE RIGID P.V.C. CONDUIT REPLACEMENTS - WHITE - PAINTED HARDWOOD BATTEN TO DWG. No. A3-1122
 - 6 CATTLE BARRIERS ARE TO BE INSTALLED IN LIVESTOCK PRONE AREAS (REFER HUNTER DWG A3-513547)
 - 7 ADDITIONAL STAY WIRE OPTIONS ARE PERMITTED FOR SPECIFIC CONDITIONS IN THE NEWCASTLE AND HUNTER AREAS ONLY, AS INDICATED ON THE FOLLOWING HUNTER DWG'S:-
A3-520366 SHORT STAY POLE
A3-520399 SIDEWALK STAY
A2-587880 GROUND ANCHOR ARRANGEMENT ON SLOPING GROUND
A2-587797 120KN (84.8kN POLE TOP) GROUND STAY



STAYWIRE SIZE	ULTIMATE TENSILE STRENGTH (UTS)	SAFE WORKING LOAD (SWL)	SAFETY FACTOR (SF)
7/2.00	27kN	11kN	2.5
19/2.00	74kN	30kN	2.5
2x19/2.00	148kN	60kN	2.5

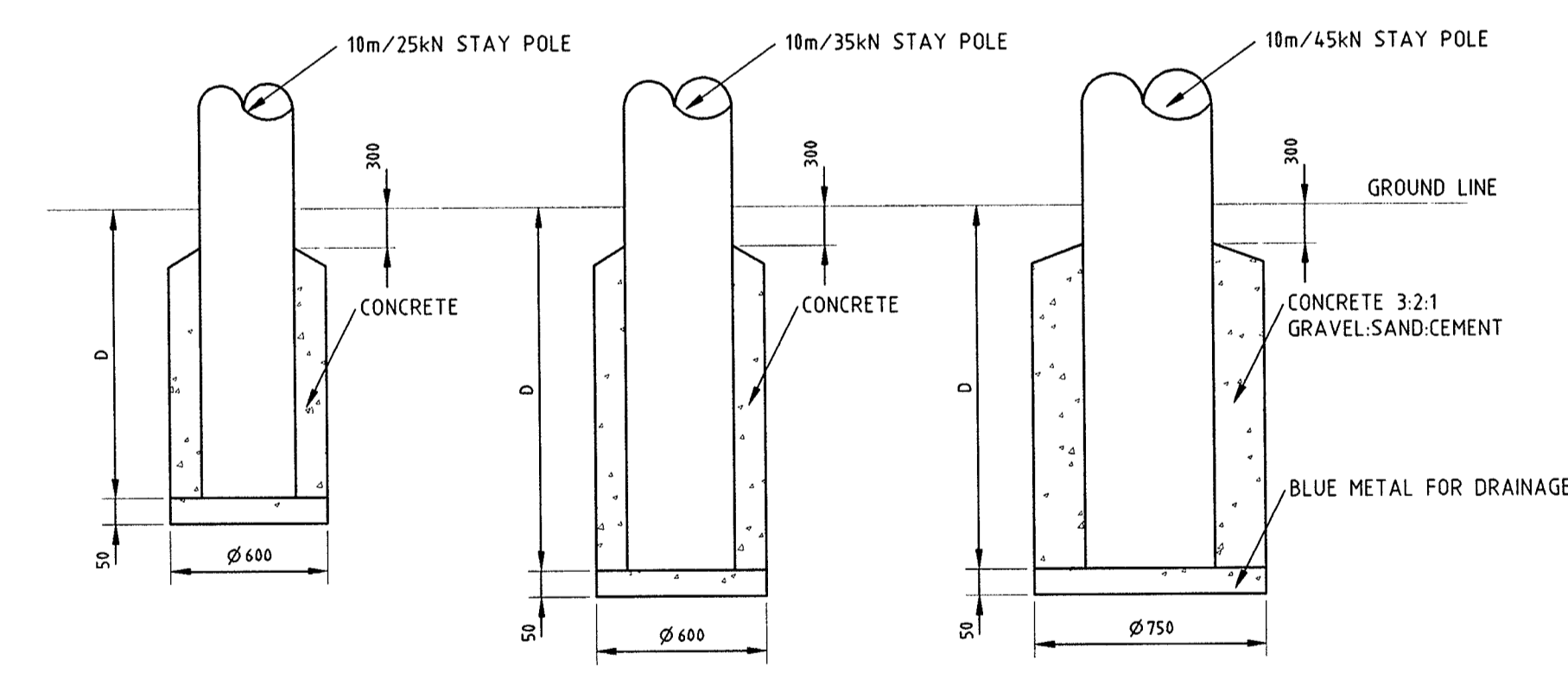


SINGLE WIRE STAY INSULATOR ARRANGEMENT



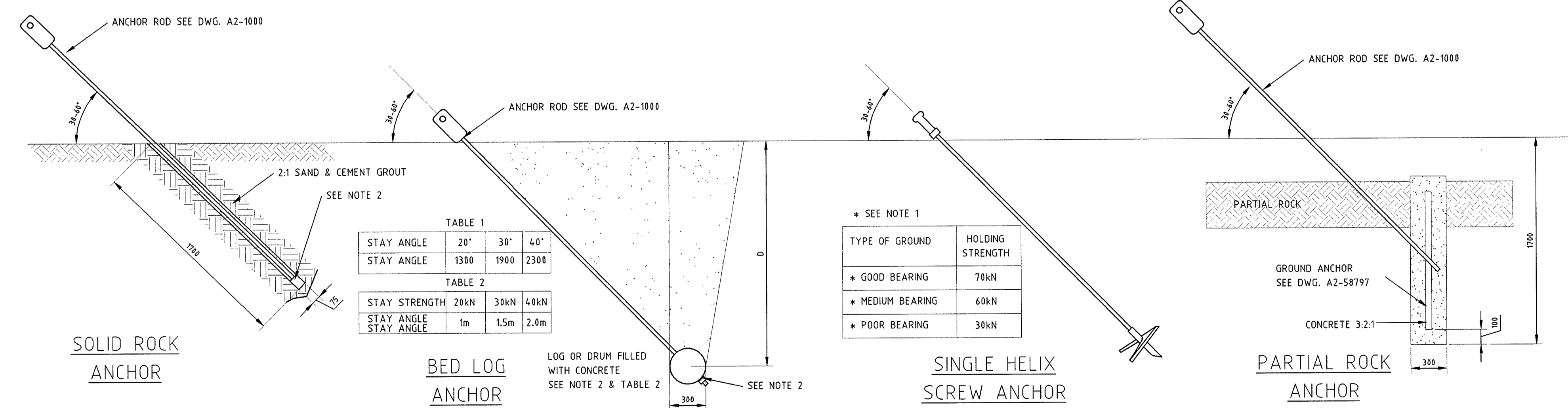
STAY WIRE - TERMINATION ARRANGEMENTS

DOUBLE WIRE STAY INSULATOR ARRANGEMENT



MAXIMUM POLE HEAD LOAD (kN)	POLE CLASS	DETAIL	TYPE OF GROUND & SINKING DEPTH "D" METRES		
			SOLID ROCK	MEDIUM SOIL	POOR BEARING
20	10m	25kN LOAD (kN)	2.1	2.4	2.7
30	10m	35kN LOAD (kN)	2.1	2.7	3.2
40	10m	45kN LOAD (kN)	2.1	2.7	3.2

STAY POLE FOOTING DETAILS



STAY ANGLE	20°	30°	40°
STAY ANGLE	1380	1900	2300

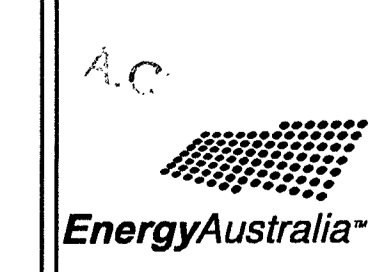
STAY STRENGTH	20kN	30kN	40kN
STAY ANGLE	1m	1.5m	2.0m

TYPE OF GROUND	HOLDING STRENGTH
GOOD BEARING	70kN
MEDIUM BEARING	60kN
POOR BEARING	30kN

STAY ANCHORAGES - ARRANGEMENTS

AMENDMENTS

6. SCANNED ON E.A. FORRAT
NOTES 6&7 ADDED
DWN DR. 30/06/01
APP. M.P.
P/INDEX 99-52-1



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OVERHEAD STAYS & STAY POLES ANCHORAGES, FOOTINGS & TERMINATION ARRANGEMENTS TITLE

SCALE	NTS	DRAWN	M.C.
PROJ. No ES	CHK'D		
APPROVED FOR	ID No.		
SEE ORIGINAL	1952		

SIZE	DWG. NUMBER	AMD
B1	061501	6