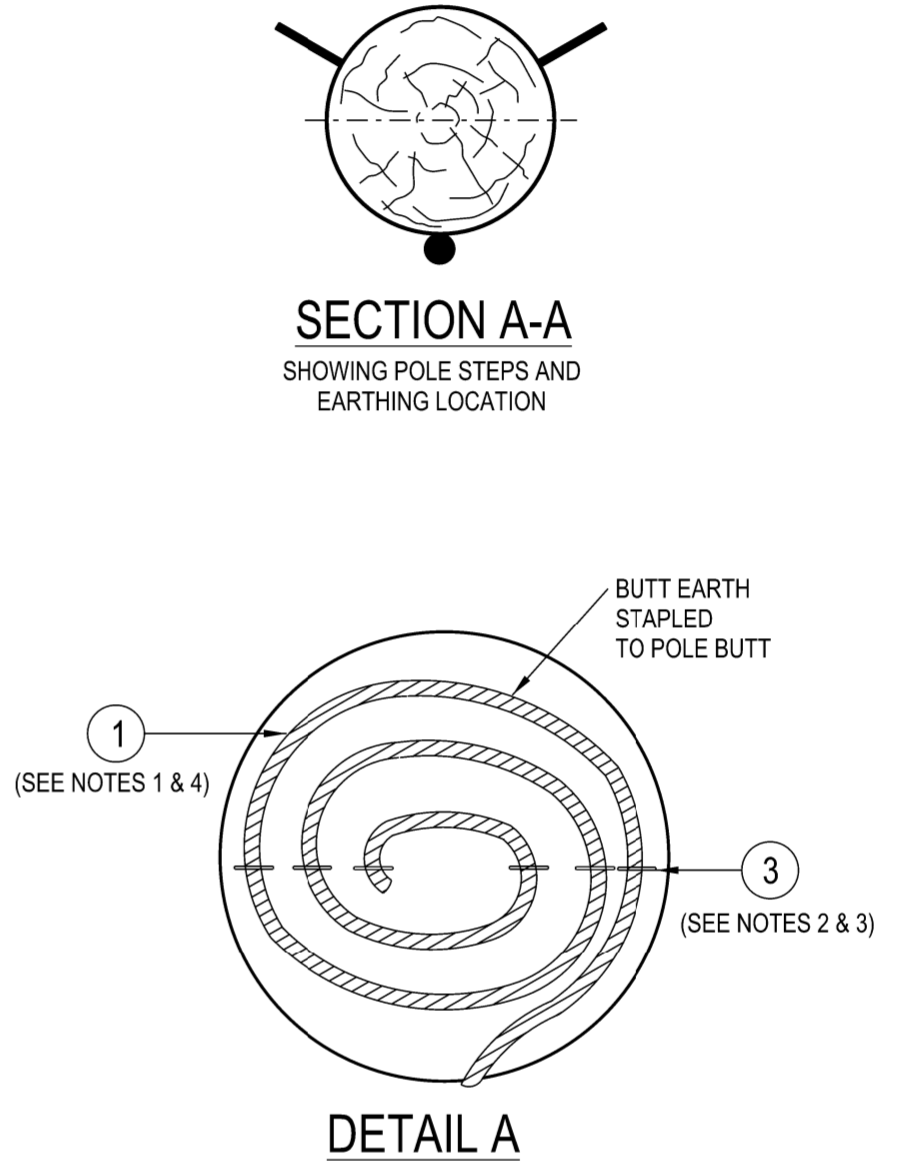


- NOTES :**
1. USE BARE 70mm² HARD DRAWN COPPER CONDUCTOR IN ALL BELOW GROUND LOCATIONS UNLESS AN ALTERNATIVE CONDUCTOR IS SPECIFIED BY NETWORK EARTHING.
 2. STAPLING OF THE EARTH TO THE BUTT OF THE POLE IS TO BE COMPLETED BEFORE ERECTION.
 3. STAPLES/SADDLES SECURING THE EARTHING CONDUCTOR ARE TO BE SPACED AT NOT MORE THAN 600mm.
 4. AFTER ERECTION AND PRIOR TO THE CONNECTION OF ANY OVERHEAD EARTHWIRE, THE RESISTANCE OF THE BUTT EARTH SHALL BE MEASURED BY TESTING BETWEEN THE BUTT EARTH AND A REMOTE EARTH ELECTRODE. IF THE REQUIRED EARTH RESISTANCE, SPECIFIED BY NETWORK EARTHING, IS NOT ACHIEVED, ADDITIONAL EARTHING IS TO BE INSTALLED AS SHOWN UNTIL THE SPECIFIED VALUE OF RESISTANCE IS OBTAINED.
 5. WHERE PRACTICAL, ADDITIONAL EARTHING CONDUCTOR IS TO BE INSTALLED PARALLEL AND UNDER THE OVERHEAD LINES.



ITEM	DESCRIPTION	DRG. No	STOCK CODE	STD ARR.	WITH ADD'L EARTHING	QTY
11	CONDUCTOR - MERCURY, 7/4.5AAC		H13433	A/R	A/R	
10	CONNECTOR - COMPRESSION, PROFILE 'C', COPPER (70mm ² TO 70mm ² CONDUCTOR)		177942	-	2	
9	LINK - COMPRESSION, BI-METALLIC, CABAC PART #BLK120/70 (MERCURY (7/4.5AAC) TO 19/2.14 (70mm ²) Cu CABLE)			1	1	
8	SADDLE - CABLE, 15mm, DOUBLE SIDED, GALVANISED (SEE NOTE 3)			A/R	A/R	
7	COUPLER - EARTH ELECTRODE, TO SUIT Ø15mm ROD		H31649	-	A/R	
6	ELECTRODE - DRIVEN EARTH, Ø15x1800mm		H31631	-	A/R	
5	CONNECTOR - COMPRESSION, PROFILE '6', COPPER (70mm ² CONDUCTOR TO Ø15mm ROD)		H31699	-	A/R	
4	SCREW - #12x45mm, SELF DRILLING		175567	A/R	A/R	
3	STAPLE - FENCING, 4.0x40mm, GALVANISED STEEL (SEE NOTES 2 & 3)		51060	A/R	A/R	
2	GUARD - EARTH, COVER, 3m, BLACK, PVC		157552	1	1	
1	CONDUCTOR - 19/2.14 (70mm ²) COPPER, EARTHING, HARD DRAWN (SEE NOTES 1 & 4)		176140	A/R	A/R	

CAD DRAWING DO NOT MANUALLY AMEND
AMENDMENTS
 DWN: P.R.
 CHKD: P.J.
 APPD: G.F.
 DATE: 12/01/2023
 MINIMUM EARTH WIRE SIZE CHANGED. MATERIAL LIST & NOTES AMENDED.
 10

DWN: P.J.
 CHKD: P.J.
 DATE: 29/08/2023
 EARTH WIRE DOWN LEAD CHANGED TO ALUMINIUM. MATERIAL LIST & NOTES AMENDED.
 11

APPD by: G.F.

MULTIPLE TIMBER POLE STRUCTURE EARTHING ARRANGEMENT 520225

ASSOCIATED DRAWINGS

NETWORK STANDARD
Ausgrid
 145 NEWCASTLE RD WALLSEND, NSW 2287

SCALE	N.T.S	STANDARD CONSTRUCTION TIMBER POLE STRUCTURE EARTHING ARRANGEMENT TYPE SE-M5			
DESIGNED	-				
DRAWN	PETER SAUNDERS				
CHECKED	P.S				
APPROVED	I.NICHOLS				
DATE	11/12/1991	SIZE	DRAWING No	SHEET	AMD
PROJECT NUMBER	STD	A2	508786	1	11
PROJTRAK NUMBER	-				

20110901