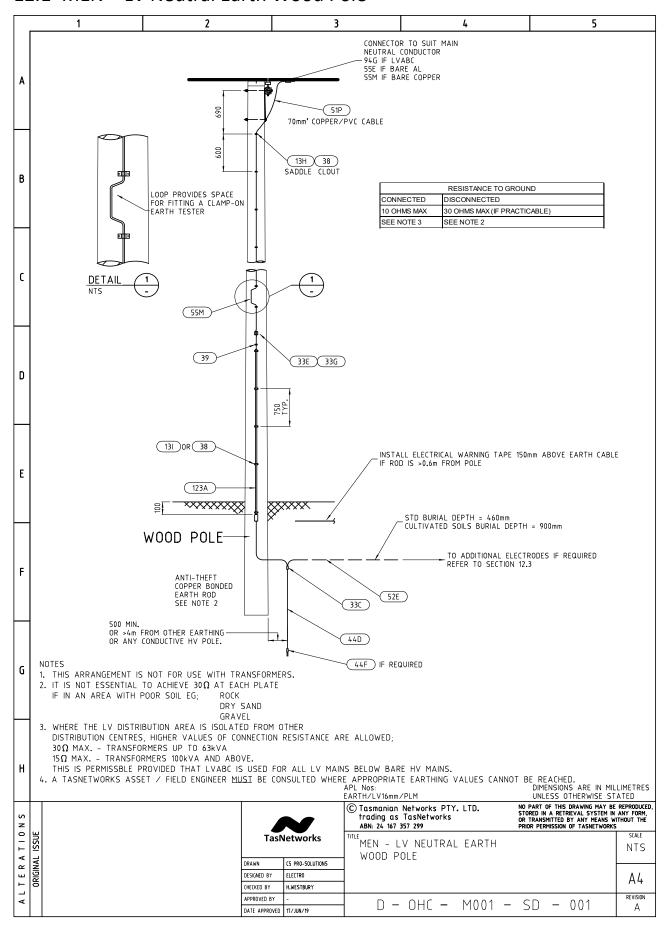
SECTION 12- EARTHING

VERSION 1.1

SECTION 12 – EARTHING

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12.1 MEN – LV Neutral Earth Wood Pole

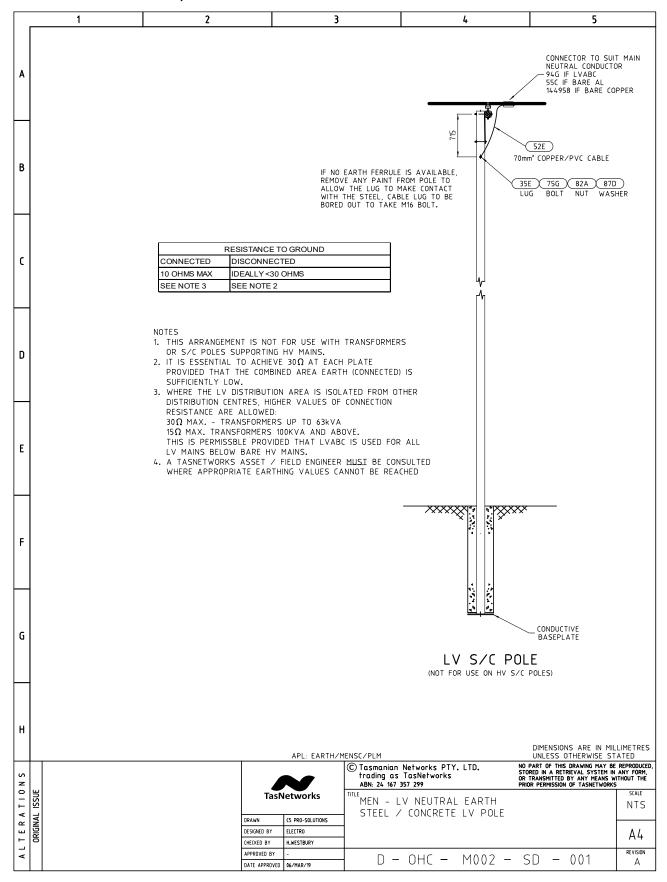


MEN LV Neutral Earth - Wood Pole - Materials list

	4		1		3	,	
١,	1		2		3	4	5
A							
В	Unit Assembly	Store Type	Item Ref	Stock Item	Stock Item Description		Quantity
	EARTH/LV16MM/PLM	S	44D	155010	GROUND ROD, EARTH 13 X	1800MM ERICO611360	2 (or AR)
			44E	155145	COUPLING, GROUND ROD	13MM ERICO CC12F	1 (or AR)
			44F	155171	DRIVING HEAD, GROUND F	ROD HAND TYPE-DH12	1 (or AR)
-	1		33C	155134	CONNECTOR, GROUND RO		1
			33E	155136	CONNECTOR, GROUND RO		1
			33G	155138	CONNECTOR, GROUND RO		1
			51P	94184	WIRE, BLDNG 70MM2 X 19/		8
C			123A	155002	ROD, EARTH, ANTI-THEFT 7		1
			131	154541	SADDLE, FULL 16MM 2-HOI		5
			38	72580	NAIL,CLOUT 2.8MM X 40M		24
			13H	154540	SADDLE, FULL 13MM 2-HOI		7
			55M	144958	CLAMP, PG OH CONNECT 2		1
			55E	144955	CLAMP, PG OH CONNECT 7		AR
			94G	145659	CONNECTOR, IPC LV ABC K		AR
D					4		
E							
G							
G							
± S N	ane			TasNe	trading as ABN: 24 167 3		NO PART OF THIS DRAWING MAY BE REP STORED IN A RETRIEVAL SYSTEM IN ANY OR TRANSMITTED BY ANY MEANS WITHOU PRIOR PERMISSION OF TASNETWORKS
ATIONS =	SINAL ISSUE		-	RAWN C5	tworks Title V NEUT PRO-SOLUTIONS	TasNetworks 57 299 RAL EARTH	STORED IN A RETRIEVAL SYSTEM IN ANY OR TRANSMITTED BY ANY MEANS WITHOU PRIOR PERMISSION OF TASNETWORKS
TERATIONS ==	ORIGINAL ISSUE		ī	RAWN C5 ESIGNED BY ELI	tworks tworks trading as ABN: 24 167 3' TITLE LV NEUT WOOD PC	TasNetworks 57 299 RAL EARTH	STORED IN A RETRIEVAL SYSTEM IN ANY OR TRANSMITTED BY ANY MEANS WITHOU PRIOR PERMISSION OF TASNETWORKS
TIONS #	ORIGINAL ISSUE			RAWN C5 ESIGNED BY ELI HECKED BY H.1	tworks trading as ABN: 24 167 39 TITLE LV NEUT WOOD PC	TasNetworks 57 299 RAL EARTH	STORED IN A RETRIEVAL SYSTEM IN ANY OR TRANSMITTED BY ANY MEANS WITHOU PRIOR PERMISSION OF TASNETWORKS

12.2 MEN – LV Neutral Earth – Steel / Concrete Pole

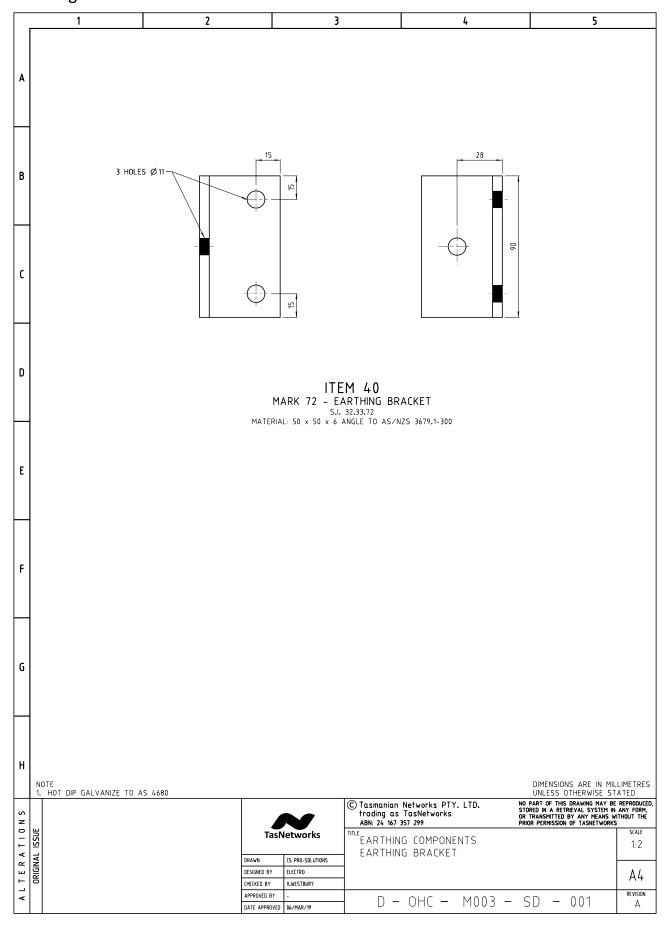
MEN LV Neutral Steel / Concrete Pole



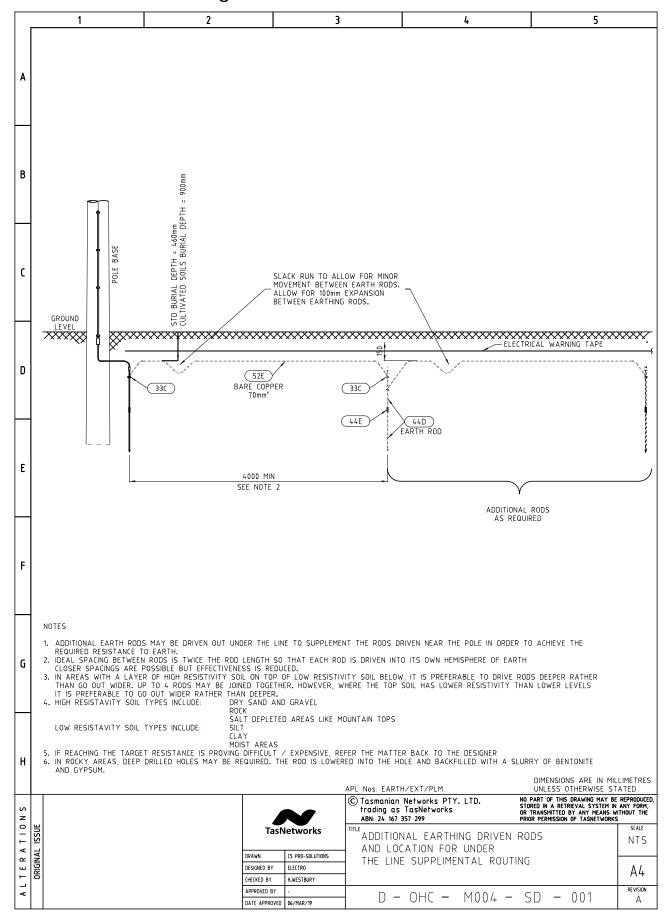
MEN LV Neutral Steel / Concrete Pole - Materials list

	1	2		3	4	5	
Α							
В	Unit Assembly EARTH/MENSC/PLM	S 35E 52E	141363 102311	Stock Item Description Lug tinned copper 70mm ² Wire Cu 70mm ² 19/2.14 Be	ire	Quantity 1	
С		55E 94G 75G 82A 87D	144958 145659 32282 40441	Connector PG Clamp to Me Connector PG Clamp to Me Connector IPC to 50-150m Bolt Hex head M16x220 ga Nut M16 galv steel Washer M16 galv steel	nins neutral (Cu-Cu) m² LVABC mains neutral	1 AR AR 1 1	
D							
E							
F							
G							
н							
ALTERATIONS	ORIGINAL ISSUE		ED BY ELECTRO	ABN: 24 167 : TITLE LV NEUT MATERIA JURY	RAL EARTH	NO PART OF THIS DRAWING HAY BE STORED IN A FRETREVAL SYSTEM IN OR TRANSHITTED BY ANY MEANS WITH PRIOR PERHISSION OF TASNETWORKS	REPRODUCED, ANY FORM, ITHOUT THE SCALE NTS A4 REVISION A

Earthing Bracket



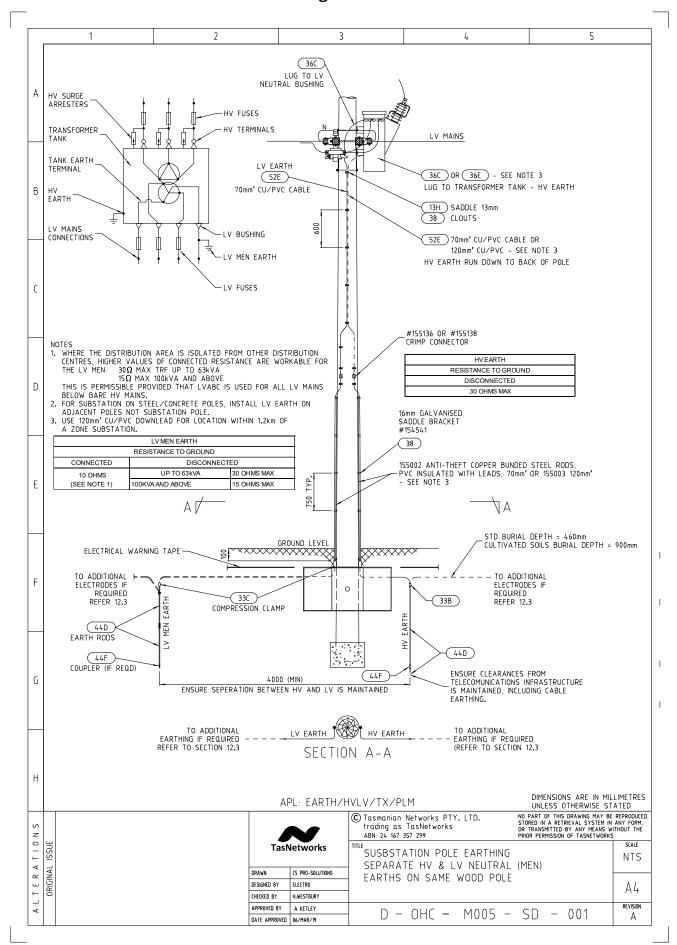
12.3 Additional Earthing – Driven Rods



Additional Earthing Driven Rods – Materials list

		1	2		3		4	5
Α								
В		Unit Assembly	Store Type	Item Ref Stock	Item Stock Item	Description		Quantity
		EARTH/EXT/PLM	S	44D 1550	010 Earth Elect	rode 1800 x 13mm Di	ia. Steel/Cu Extendable	2 (or AR)
				44E 155°		Coupling 13mm (cw lo	ocking pin)	1 (or AR) 1 (or AR)
				44F 155°			nductor 50-70mm² (YGHP290	
				52E 1023		mm² 19/2.14 Bare		10 (or AR)
					Electrical W	arning Marker Tape		4m (or AR)
C								
D								
E								
	1							
_								
F								
]							
G								
"								
н								
						© Tasmanian Netwo	orks PTY, LTD.	IO PART OF THIS DRAWING MAY BE REPRODUC
S						trading as TasN	etworks 9	STORED IN A RETRIEVAL SYSTEM IN ANY FORM OR TRANSMITTED BY ANY MEANS WITHOUT THE PRIOR PERMISSION OF TASNETWORKS
TERATION	SUE			Tas	Networks	EARTHING DE	, PONS	SCALE
⊢ ∀	11 IS				Les and estimates	MATERIALS L	LIST	NTS
E P	ORIGINAL ISSUE			DRAWN DESIGNED BY	CS PRO-SOLUTIONS ELECTRO	-		A4
	g			CHECKED BY	H.WESTBURY			
∢				APPROVED BY DATE APPROVE	- D 06/MAR/19	D - OH	HC - M004 -	SD - 002 REVISION
	ш—			1,5	1	1		

12.4 Substation Wood Pole Earthing

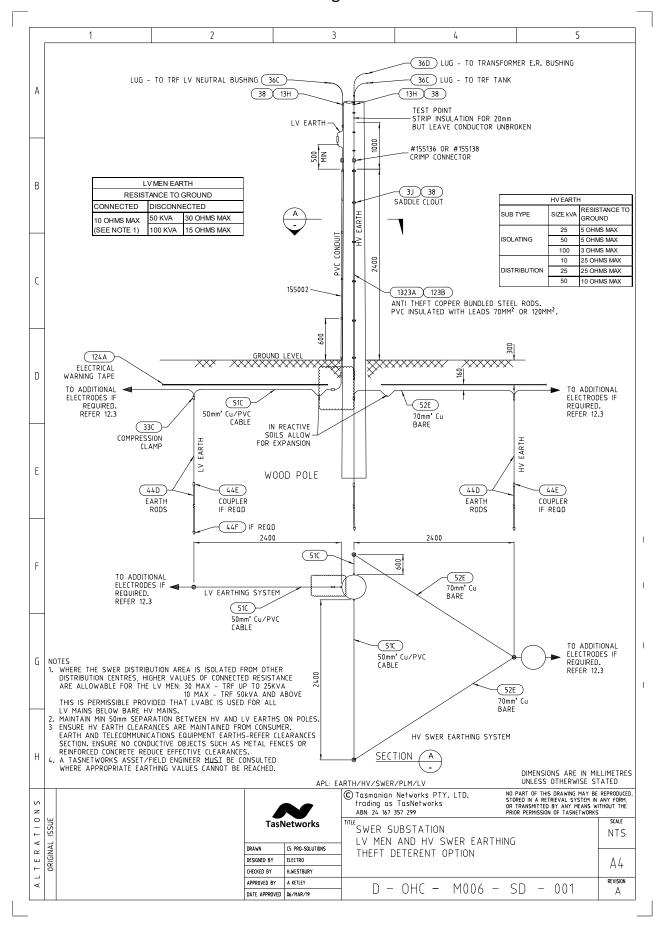


Substation Wood Pole Earthing - Separate LV & HV Neutral Earths on same Pole – Materials List

A			2		3	4	5	
4								
- 1								
	Unit Assembly	Store Type			Stock Item Description	F1	Quantity	
1	EARTH/HVLV/TX/PLM HV + LV	S	38 123A	72580 155002	NAIL,CLOUT 2.8MM X 40MM GAL STE ROD,EARTH,ANTI-THEFT 70MM2	EL	52 2	
	110 . Ev		123A 124A	348630	TAPE,CAUTION-BURIED ELECT CABLE	500M	4m (or AR)	
	50mm2		13H	154540	SADDLE, FULL 13MM 2-HOLE GAL.STE		16	
В			131	154541	SADDLE, FULL 16MM 2-HOLE GAL. STE	EL	10	
			33C	155134	CONNECTOR, GROUND ROD 13-16 TO	50-70MM	2 (or AR)	
			36C	141304	LUG,BOLTED TERMINAL M12 X 50-701	MM2 CU	2	
4			44D	155010	GROUND ROD, EARTH 13 X 1800MM E	RICO611360	4 (or AR)	
			44E	155145	COUPLING, GROUND ROD 13MM ERIO		2 (or AR)	
			44F	155171	DRIVING HEAD, GROUND ROD HAND		1 (or AR)	
ا ۱	EARTH/LVMENA/PLM	S	51P 38	94184 72580	WIRE, BLDNG 70MM2 X 19/2.14 X 0.6/		24	
1	LV earth only		123A	155002	NAIL,CLOUT 2.8MM X 40MM GAL STE ROD,EARTH,ANTI-THEFT 70MM2	CL	1 (or AR)	
			124A	348630	TAPE,CAUTION-BURIED ELECT CABLE	500M	4m (or AR)	
	50mm2		13H	154540	SADDLE, FULL 13MM 2-HOLE GAL. STE		8	
٦			131	154541	SADDLE, FULL 16MM 2-HOLE GAL. STE		5	
			33C	155134	CONNECTOR, GROUND ROD 13-16 TC	50-70MM	1	
			36C	141304	LUG,BOLTED TERMINAL M12 X 50-701	MM2 CU	1	
)			44D	155010	GROUND ROD,EARTH 13 X 1800MM E	RICO611360	2 (or AR)	
			44E	155145	COUPLING, GROUND ROD 13MM ERIO		1 (or R)	
			44F	155171	DRIVING HEAD, GROUND ROD HAND		1 (or AR)	
\dashv	EADTILL IN (IOD TO (ID) A		51P	94184	WIRE,BLDNG 70MM2 X 19/2.14 X 0.6/		20	
	EARTH/HV/OP/TX/PLM	S	38 123A	72580 155002	NAIL, CLOUT 2.8MM X 40MM GAL STE	EL	26 1 (or AR)	
	HV earth only		123A 13H	154540	ROD,EARTH,ANTI-THEFT 70MM2 SADDLE,FULL 13MM 2-HOLE GAL.STE	FI	8 8	
ЕΙ	50mm2		131	154541	SADDLE,FULL 16MM 2-HOLE GAL.STE		5	
	2		33C	155134	CONNECTOR, GROUND ROD 13-16 TO		1 (or AR)	
			36C	141304	LUG,BOLTED TERMINAL M12 X 50-70I		1	
			44D	155010	GROUND ROD, EARTH 13 X 1800MM E	RICO611360	2 (or AR)	
			44E	155145	COUPLING, GROUND ROD 13MM ERIO	CO CC12F	1 (or AR)	
			44F	155171	DRIVING HEAD, GROUND ROD HAND	TYPE-DH12	1 (or AR)	
_			51P	94184	WIRE,BLDNG 70MM2 X 19/2.14 X 0.6/		10	
F	EARTH/HV/OP/ZONE/PLM	S	38	72580	NAIL, CLOUT 2.8MM X 40MM GAL STE	EL	26	
	120mm2		123B	155003	ROD,EARTH,ANTI-THEFT 120MM2	F	1	
	See Note 3 sect 12.4-1		13H	154540	SADDLE, FULL 13MM 2-HOLE GAL. STE		5	
\dashv	Use near zone subs		13I 33D	154541 155135	SADDLE,FULL 16MM 2-HOLE GAL.STE CONNECTOR,GROUND ROD 13-16 TC		1	
	SSS Hour Zone Subs		36E	141306	LUG,BOLTED TERMINAL M16 X 150-18		AR	
			44D	155010	GROUND ROD, EARTH 13 X 1800MM E		2 (or AR)	
دَ			44E	155145	COUPLING, GROUND ROD 13MM ERIO		1 (or AR)	
			44F	155171	DRIVING HEAD, GROUND ROD HAND	TYPE-DH12	1 (or AR)	
			51Q	94190	WIRE,BLDNG 120MM2 X 37/2.03 X 0.6	5/1 BLK	10	

12.5 SWER Substation Earthing Details

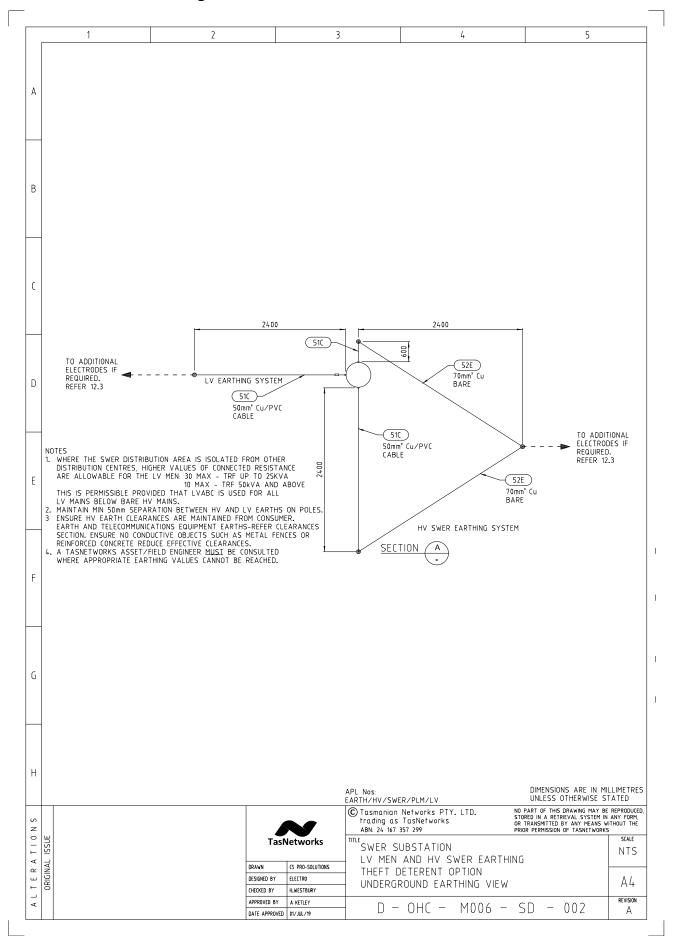
Transformer Pole – LV & HV SWER Earthing



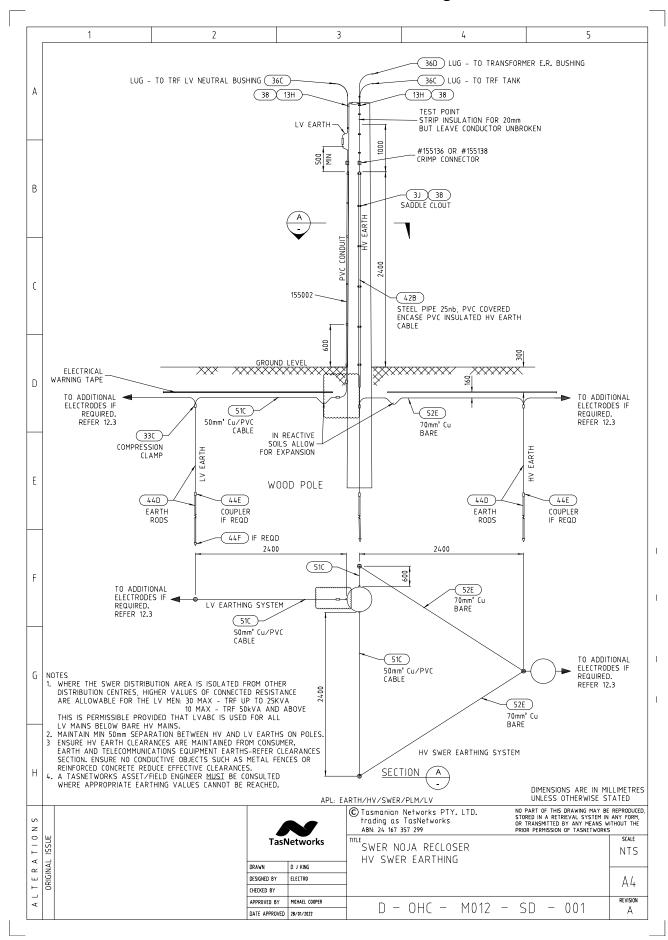
${\it Transformer\ pole-LV\ \&\ HV\ SWER\ Earthing-Materials\ list}$

_							
	Unit Assembly	Store Type	Item Ref	Stock Item	Stock Item Description	Quantity	
	EARTH/HV/SWER/PLM S		44D	155010	GROUND ROD,EARTH 13 X 1800MM ERICO611360	, ,	
3			44E 44F	155145 155171	COUPLING, GROUND ROD 13MM ERICO CC12F DRIVING HEAD, GROUND ROD HAND TYPE-DH12	3 (or AR)	
			33C	155134	CONNECTOR, GROUND ROD 13-16 TO 50-70MM	3	
			51P	94184	WIRE, BLDNG 70MM2 X 19/2.14 X 0.6/1KV BLK	20	
			42B	244207	PIPE, MEDIUM GALANISED 25MM X 6.5M STEEL	1	
			38 13J	72580 154542	NAIL, CLOUT 2.8MM X 40MM GAL STEEL	52 10	
-			13H	154542	SADDLE, FULL 20MM 2-HOLE GAL. STEEL SADDLE, FULL 13MM 2-HOLE GAL. STEEL	20	
1			124A	348630	TAPE, CAUTION-BURIED ELECT CABLE 500M	4m (or AR)	
		1	36C	141304	LUG, BOLTED TERMINAL M12 X 50-70MM2 CU	2	
	EARTH/LVMEN/PLM	S	38	72580	NAIL, CLOUT 2.8MM X 40MM GAL STEEL	30	
			13H 13J	154540 154542	SADDLE FULL 20MM 2-HOLE GAL STEEL	10	
			37	154542	SADDLE, FULL 20MM 2-HOLE GAL. STEEL CONDUIT, RIGID PVC 20MM X 4M LD GREY	1	
			33C	155134	CONNECTOR, GROUND ROD 13-16 TO 50-70MM	1	
			36C	141304	LUG, BOLTED TERMINAL M12 X 50-70MM2 CU	1	
			44D	155010	GROUND ROD, EARTH 13 X 1800MM ERICO 611360		
_			44E 51P	155145 94184	COUPLING, GROUND ROD 13MM ERICO CC12F WIRE, BLDNG 70MM2 X 19/2.14 X 0.6/1KV BLK	1 16	
			124A	348630	TAPE, CAUTION-BURIED ELECT CABLE 500M	4m (or AR)	
			33E	155136	CONNECTOR, GROUND ROD 50-70 TO 50-70MM	1	
Е			123A	155002	ROD,EARTH,ANTI-THEFT 70MM2	1	
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+					© Tasmanian Networks PTY. LTD.	NO PART OF THIS DRAWING MAY BE STORED IN A RETRIEVAL SYSTEM IN	REPRODUK MANY FORMANY
H ~ N					© Tasmanian Networks PTY. LTD. trading as TasNetworks ABN. 24 167 357 299	NO PART OF THIS DRAWING MAY BE STORED IN A RETRIEVAL SYSTEM IN OR TRANSHITED BY ANY MEANS W PRIOR PERMISSION OF TASKET WORKS	ANY FOR THOUT TH
+	SSUE			TasNe	trading as TasNetworks	STORED IN A RETRIEVAL SYSTEM IN OR TRANSMITTED BY ANY MEANS WI	ANY FOR THOUT TH SCALE
H	AL ISSUE				trading as TasNetworks ABN: 24 167 357 299 TITLE SWER SUBSTATION LV MEN AND HV SWER EAR	STORED IN A RETRIEVAL SYSTEM IN OR TRANSMITTED BY ANY MEANS WI PRIOR PERMISSION OF TASNETWORKS	ANY FOR THOUT TH
ERALIUNS H				DRAWN (trading as TasNetworks ABN: 24 167 357 299 TITLE SWER SUBSTATION LV MEN AND HV SWER EAR THEFT DETERENT OPTION	STORED IN A RETRIEVAL SYSTEM IN OR TRANSMITTED BY ANY MEANS WI PRIOR PERMISSION OF TASNETWORKS	SCALE NT
KALIUNS H	ORIGINAL ISSUE			DRAWN C DESIGNED BY E CHECKED BY H	trading as TasNetworks ABN: 24 167 357 299 TITLE SWER SUBSTATION LV MEN AND HV SWER EAR THEFT DETERENT OPTION	STORED IN A RETRIEVAL SYSTEM IN OR TRANSMITTED BY ANY MEANS WI PRIOR PERMISSION OF TASNETWORKS	ANY FOR THOUT TH SCALE

SWER Substation Earthing Schematic



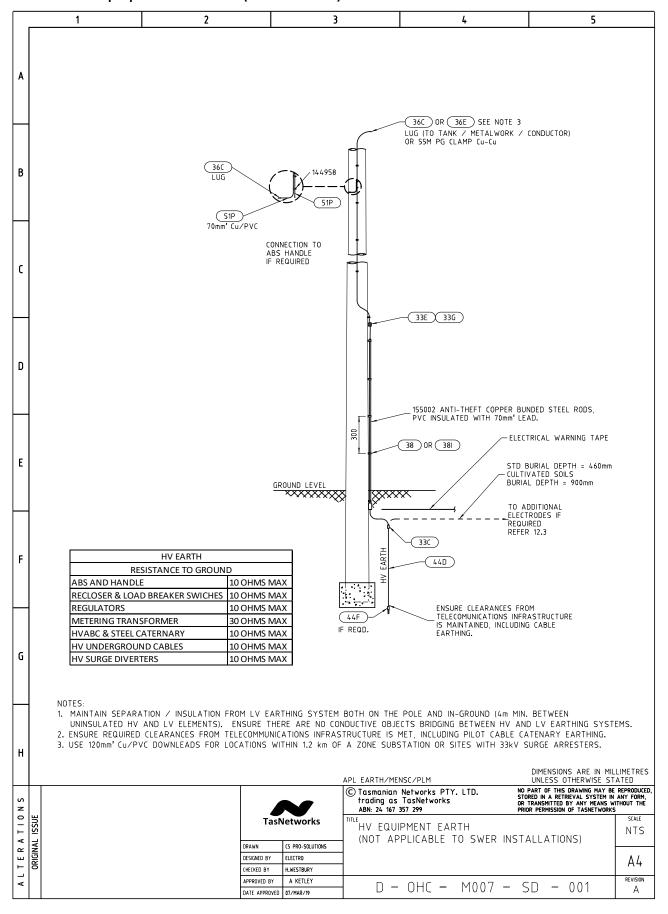
Transformer Pole - LV & HV SWER NOJA Recloser Earthing



Transformer pole – LV & HV SWER NOJA Recloser Earthing – Materials list

	1		2		3			4		5	
١											
١											
	-										
3	Unit Assembly	Store Type	Item Ref	Stock Item	Stock Item Des	cription			Qua	antity]
	EARTH/HV/SWER	S	44D	155010	GROUND ROD	,EARTH 13 X	1800MM ERIC	O611360		6 (or AR)]
			44E	155145	COUPLING,GR					3 (or AR)	
	1		44F	155171	DRIVING HEAI						
			33C	155134	CONNECTOR,					3	ł
			51P 42B	94184	WIRE, BLDNG					20	-
_			38	244207 72580	PIPE, MEDIUM NAIL, CLOUT 2			SIEEL		52	ł
-			13J	154542	SADDLE, FULL					10	1
			13H		SADDLE, FULL					20	1
			124A	348630	TAPE,CAUTIO			DM		4m (or AR)	1
	1		36C	141304	LUG,BOLTED T					2]
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F							Networks PTY.	LTD.	STORED IN A	THIS DRAWING MAY RETRIEVAL SYSTEM	IN ANY FORM
F G H						© Tasmanian ! frading as: ABN: 22 167 3'	TasNetworks	LTD.	STORED IN A OR TRANSMIT	THIS DRAWING MAY RETRIEVAL SYSTEM TED BY ANY MEANS	IN ANY FORM WITHOUT THE
E SNOI	aus			TasNe		trading as ABN: 24 167 39	TasNetworks 57 299		STORED IN A OR TRANSMIT	RETRIEVAL SYSTEM TED BY ANY MEANS	I IN ANY FORM WITHOUT THE RKS SCALE
F G H SNOLL	- ISSUE			TasNe		trading as ABN: 24 167 39 SWER NO	TasNetworks 57 299 IJA RECLOS	ER	STORED IN A OR TRANSMIT	RETRIEVAL SYSTEM TED BY ANY MEANS	I IN ANY FORM 5 WITHOUT THE RKS
F G H SNO-				DRAWN [etworks T	trading as ABN: 24 167 39 SWER NO	TasNetworks 57 299	ER	STORED IN A OR TRANSMIT	RETRIEVAL SYSTEM TED BY ANY MEANS	I IN ANY FORM WITHOUT THE RKS SCALE
F G H S NO I I S NO I I I I I I I I I I I I I I I I I I				DRAWN E	etworks	trading as ABN: 24 167 39 SWER NO	TasNetworks 57 299 IJA RECLOS REARTHING	ER	STORED IN A OR TRANSMIT	RETRIEVAL SYSTEM TED BY ANY MEANS	I IN ANY FORM WITHOUT THE RKS SCALE
F SNOLLAN	ORIGINAL ISSUE			DRAWN C DESIGNED BY E CHECKED BY	etworks T	trading as ABN: 24 167 3! SWER NO HV SWER	TasNetworks 57 299 IJA RECLOS REARTHING	ER	STORED IN A OR TRANSMIT PRIOR PERMIS	RETRIEVAL SYSTEM TED BY ANY MEANS SION OF TASNETWO	SCALE NTS

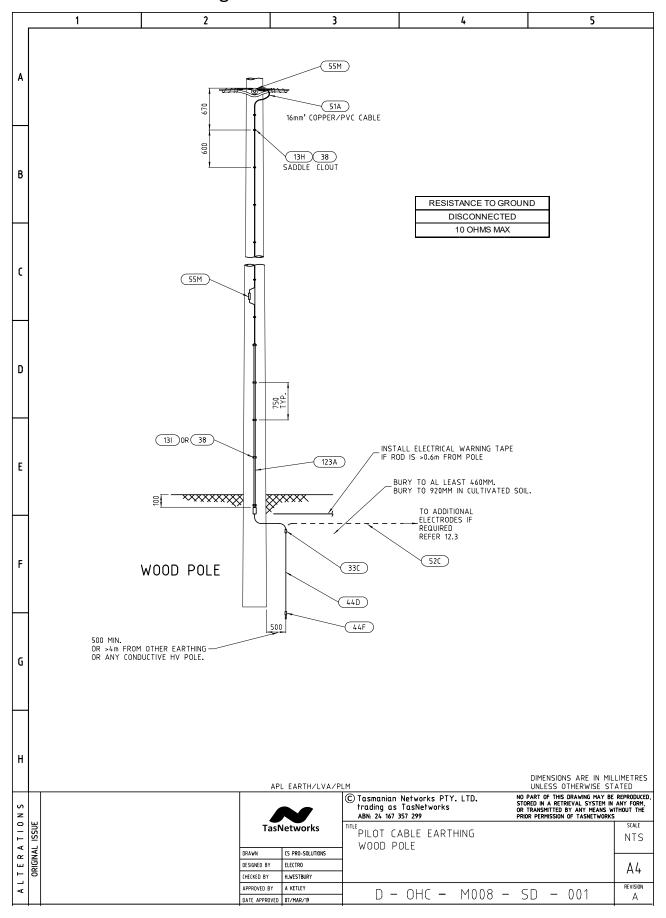
12.6 HV Equipment Earth (Not SWER)



HV Equipment Earth (NOT SWER) – Materials list

	1	2			3	4	5
A		_			,	,	
В	Unit Assembly EARTH/HV/70/PLM 70mm²	Store Type S	Item Ref 44D 44E 44F	155010 155145	Stock Item Description Earth Electrode 1800 x 13mm E Earth Rod Coupling 13mm (cw		Quantity 2 (or AR) 1 (or AR)
С			33C 51P 38 13H	155171 155134 94184 155002 154541 72580 154540 144958 141304	Wire Cu 70mm² 1C Black UV re	rod, PVC ins 70mm² with leads, 3m	1 (or AR) 1 10 1 5 26 8 1 (or AR) 1 (or AR)
D	EARTH/HV/OP/ZONE/PLM 120mm² See Note 3 sect 12.6-1 Use near zone subs	S	44D 44E 33D 38 13H	155010 155145 155135 155003 154541 72580 154540	Wire Cu 120mm² 1C		2 (or AR) 1 (or AR) 5) 1 10 1 5 26 8
E			36E	144958 141306	Connector PG Clamp Cu-Cu LUG bolted 120 150mm² tinned	d copper	1 (or AR) 1 (or AR)
F							
G							
Н							
ALTERATIONS	ORIGINAL ISSUE		Di Ch Al	ESIGNED BY ELE HECKED BY H.V PPROVED BY -	Trading as ABN: 24 167 3 TITLE HV EQUI (NOT AP MATERIA WESTBURY	TasNetworks on Research of Strain of	A4

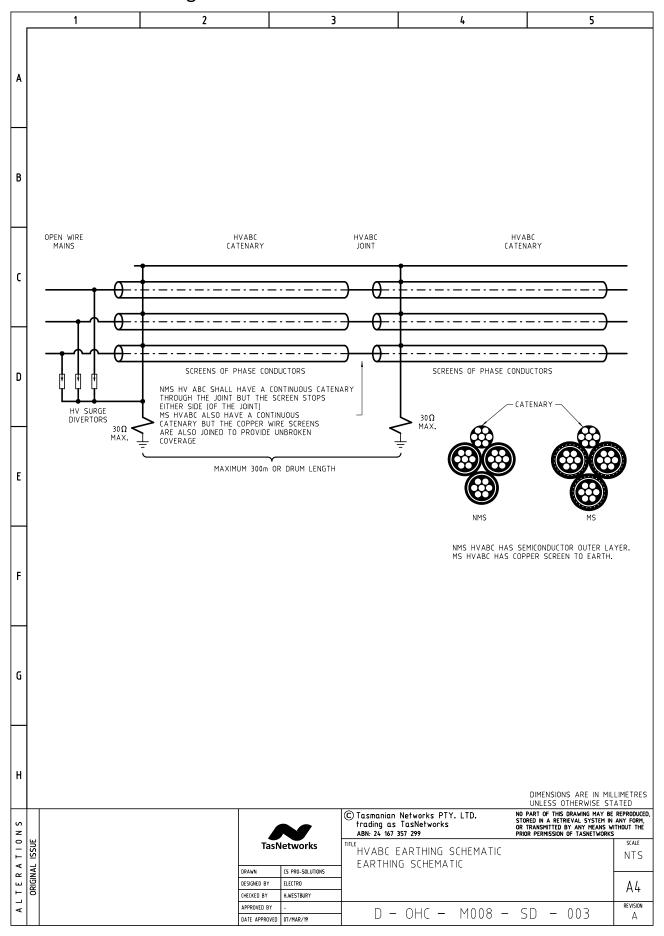
12.7 Pilot Cable Earthing Wood Pole



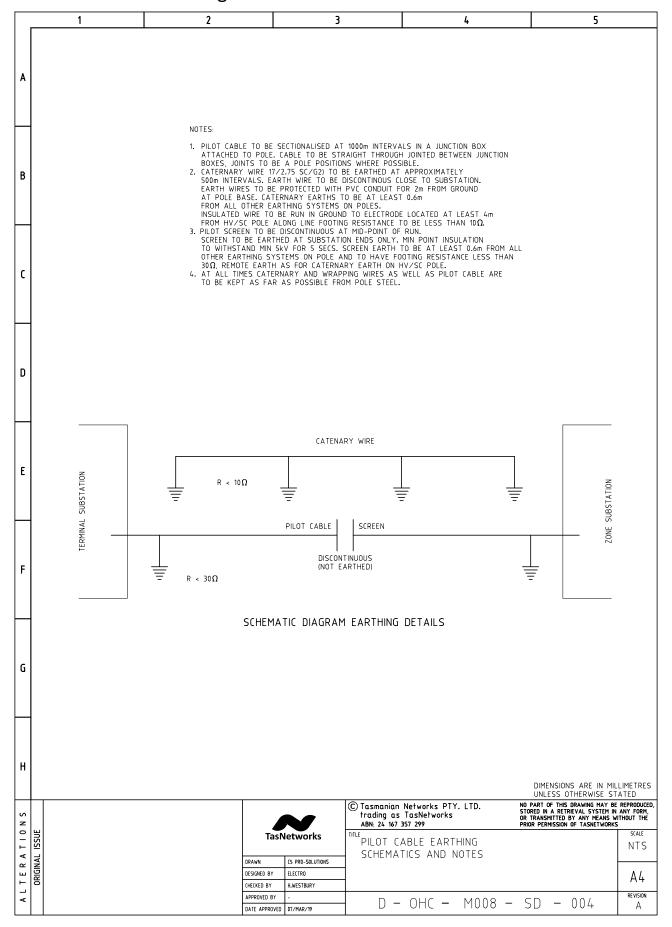
HV Pilot Cable Earthing Wood Pole – Materials list

	1				3	4	5
	<u>.</u>	2	Į.		<u> </u>	·	-
A							
	Unit Assembly	Store Type	Item Ref Stoc	k Item	Stock Item Description		Quantity
	EARTH/LVA/PLM	S				mm Dia. Steel/Cu Extendable	2 (or AR)
	LV earth only				Earth Rod Coupling 13mr	n (cw locking pin)	1 (or R)
В	50mm²	_			Driving Rod Farth Crimp - Rod 13-16mm	n to Conductor 50-70mm² (YGHP2	1 (or AR) 9C2(1
	Commi	_			Wire Cu 16mm ² 1C Black U		20
			15			eel rod, PVC ins 70mm² leads, 3m	1 (or AR)
H				1541	Saddle 16mm galvsteel		5
		_		580 1540	Clout 40mm galv steel Saddle 13mm galv steel		26 8
		_			Connector PG Clamp Cu-C	u	2
C					Electrical Warning Marker T		4m (or AR)
			36C 14	1304	Q LUG bolted 50 70mm² tin	ned copper	1
D							
E							
F							
G							
н							
O N S				Notes	trading as ABN: 24 167 3	TasNetworks or 157 299 PR	PART OF THIS DRAWING MAY BE REPRODUCED ORED IN A RETRIEVAL SYSTEM IN ANY FORM, TRANSMITTED BY ANY MEANS WITHOUT THE HOR PERMISSION OF TASNETWORKS
T I 0			Ta	sNetw	PILOT CA	ABLE EARTHING	NTS
R A			DRAWN		D-SOLUTIONS MATERIA	LS LIST	
			DESIGNED BY CHECKED BY	ELECTR			A4
[등 공				H.WEST	I INUQ		1
A L T E			APPROVED BY	-		OHC - M008 - S	SD - 002 REVISION

12.8 HVABC Earthing Schematic

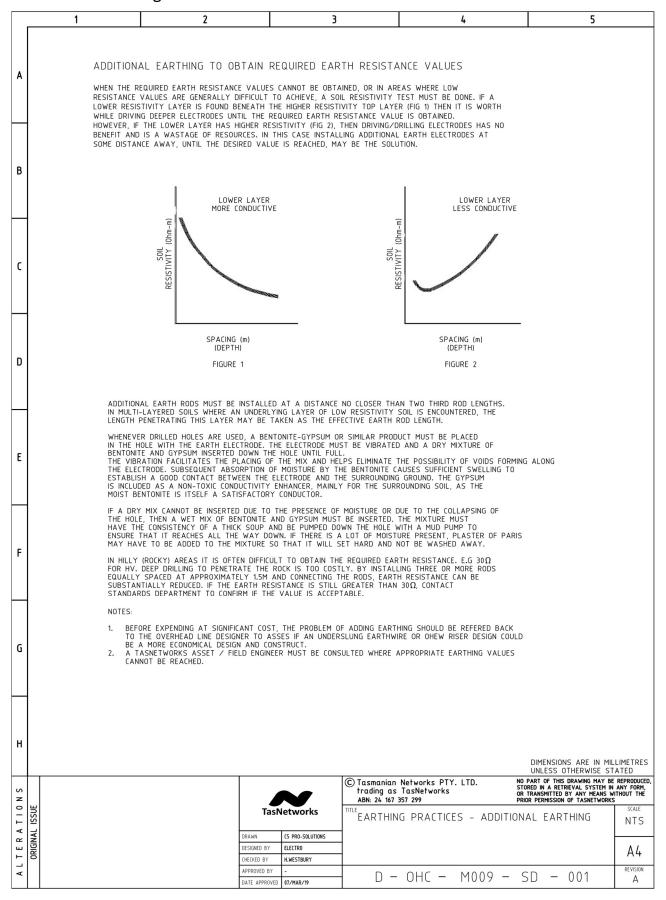


12.9 Pilot Cable Earthing Schematic & Notes



12.10 Earthing Practices

Additional Earthing



Earthing Enhancing Compound

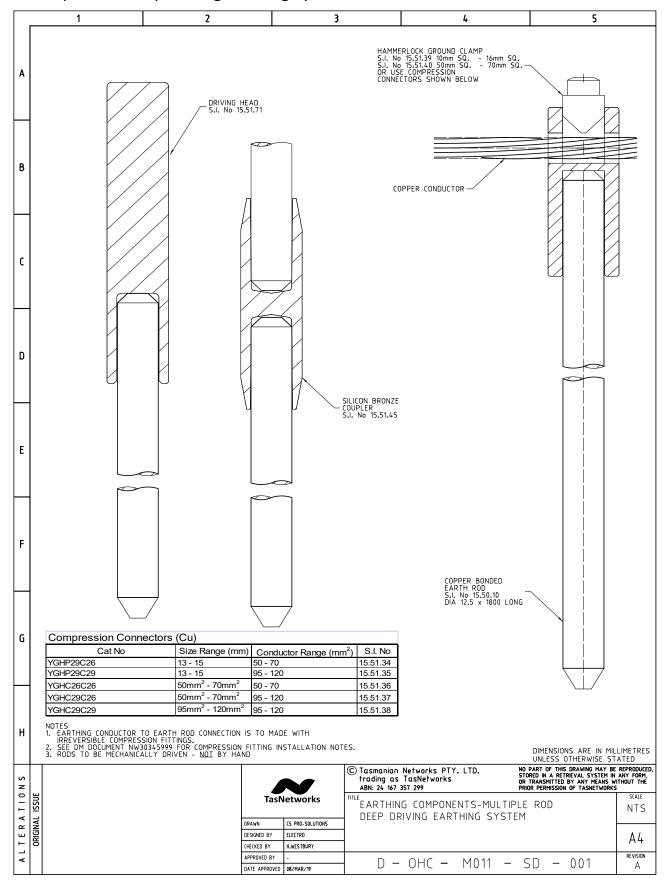
	1	2	3	4	5	
	GENERAL					
A	UNDER SOME SOIL CONDITIONS, SUCH AS THE APPLICATION OF A COMPOUND SUCH				H RESISTANCE BY NORMAL M	ETHODS.
	LO-OHM2 (SI 11.74.30)					
	THIS COMPOUND IS AN OFF WHITE POWD HOLES AND EARTH WIRE IN TRENCHES. E PERMEATES THE SOIL AND WHEN IT GEL PIPES WITHIN IT'S STRUCTURE, YET MAI	SASICALLY IT A BLEND OF NON-HA S, BINDS THE SOIL TOGETHER IN A	AZARDOUS MATERIAI A SOLID, YET FLEXII	LS WITH CALCIUM SULPHATE BLE MASS. THE RESIN ABSOR	DIHYDRATE PREDOMINATING. BS WATER WHICH HOLDS IN	THE MIX
В	SAFE HANDLING					
	LO-OHM IS A NON HAZARDOUS BLEND O MATERIAL THEREFORE NOT A FIRE OR EX AFTER HANDLING MATERIAL PRIOR TO EX IT IS RECOMMEND THAT PVC GLOVES BE	KPLOSION RISK BUT STORE AND T ATING. FOR EYE AND SKIN CONTAC	RANSPORT IN A DR T, WASH WITH WA	Y PLACE. NORMAL HYGIENE S TER. IF SWALLOWED IN LARGI	HOULD APPLY, SUCH AS WA E AMOUNTS INDUCE VOMITING	SHING
	SPILLS AND DISPOSAL					
С	IF MIX IS SPILLED OVER SOIL SPREAD A ARE NECESSARY FOR DISPOSAL, MAY BE				ED. NO SPECIAL PRECAUTIONS	S
	MIXING					
	MEASURE THE REQUIRED QUANTITY OF C CREAMY CONSISTENCY IS ACHIEVED. IF M FLUSHED WITH CLEAN WATER AFTER US CLEAN MIXING TANKS BETWEEN MIXES.	IXTURE IS TO BE PUMPED USE 2				
D	NOTE: ADD THE POWDER SLOWLY TO PRE SETTING TAKES PLACE IN SEVERAL		TEMPERATURE (i.e.	THE WARMER THE WATER TH	HE FASTER THE REACTION TIN	1E).
E		MIXING IN	ISTRUCTIONS WATER/10	ka SACK		
		DRY SOIL, DRY CLAY, ROCK AND SABDSTONE	15 LITI (APPROX. SETTING	RES		
	-	WET SOIL, WET CLAY, SAND	12 LIT	RES		
		PEBBLES, SMALL STONES, VERY POROUS GROUND	(APPROX. SETTING 10 LIT (APPROX. SETTING	RES		
F		VENT I ONOOS GROUND	TATTION. SETTING	2 THALE TO MILITO)		
G						
Н						
''					DIMENSIONS ARE IN MI UNLESS OTHERWISE S'	
S			trading as	Networks PTY. LTD. TasNetworks	NO PART OF THIS DRAWING MAY B STORED IN A RETRIEVAL SYSTEM II OR TRANSMITTED BY ANY MEANS \	E REPRODUCED, N ANY FORM, WITHOUT THE
T 1 0 N	ISSUE	TasNetworks	ABN: 24 167	G PRACTICES	PRIOR PERMISSION OF TASNETWORK	scale NTS
R A	ORIGINAL 15	DRAWN C5 PRO-SOLUTIONS		ENHANCING COMPOUND		
LTE	ORIG	DESIGNED BY ELECTRO CHECKED BY H.WESTBURY				A4
∢		APPROVED BY - DATE APPROVED 08/MAR/19	D -	OHC - M010 -	- SD - 001	REVISION A

Earthing Enhancing Compound

	1	2	3	4	5
A	UP TO TWO EART HOLES UP TO 30m FOR THE COMMON POUR PROMPTLY NOT 'FLOODING' T	n DEEP CAN BE DRILLED AND FILLED , SINGLE EARTH ROD HOLES, MIX FO VIA A FUNNEL WITH THE ROD IN PI HE HOLE.	ND IN ONE HOLE WHICH IS THEN FILL O WITH COMPOUND USING EARTH WII OR TWO HOLES AT A TIME (USING A LACE, CAREFULLY AVOIDING ANY AI TING TAKES PLACE TO AVOID DISTU	RE RATHER THAN RODS. A HALF BAG TO 7 LITRES WATER). R ENTRAPMENT BY POURING SLIGH	
В	B. EARTH RODS PAR IN THIS SITUATION EXCAVATE A HOL COMPOUND. NORMALLY USE H	TLY DRIVEN INTO SOIL N EARTH RESISTANCE CAN BE IMPRO E APPROXIMATELY 600mm SQUARE ALF BAG TO 7 LITRES OF WATER F	OVED BY POURING COMPOUND AROU BY AT LEAST 450mm DEEP, BEND	ND THE TOP OF THE EARTHING RO	
С	WIRE RUN. TRENCH TO BE AT I USE ONE BAG OF CO IF TRENCH DIGGER IS D. EQUIPMENT REQUIR WATER CONTAINERS	OT BE SUCCESSFULLY DRILLED OR D LEAST 450mm WIDE AND DEEP. DMPOUND PER 4m OF TRENCH LENG S AVAILABLE, APPLY THIS QUANTI1 ED:	IY OVER LONGER LENGTH COMMENSI	•	COMPOUND OVER EARTH
D		AS 30mm DIAMETER CONDUIT.			
E					
F					
G					
Н					DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED
ALTERATIONS	ORIGINAL ISSUE	DRAWN DESIGNED BY CHECKED BY APPROVED B DATE APPRO	Trading as ABN: 24 167 3 ABN: 24 167 3 TITLE EARTHIN EARTH E LECTRO H.WESTBURY	TasNetworks STO	PART OF THIS DRAWING MAY BE REPRODUCED. REPORT IN A RETRIEVAL SYSTEM IN ANY FORM. TRANSMITTED BY ANY MEANS WITHOUT THE OR PERMISSION OF TASNETWORKS SCALE NTS A4 REVISION A

12.11 Earthing Components

Multiple Rod Deep Driving Earthing Systems



Anti-Theft Deterrent Option – 70 to 120mm² Cable

