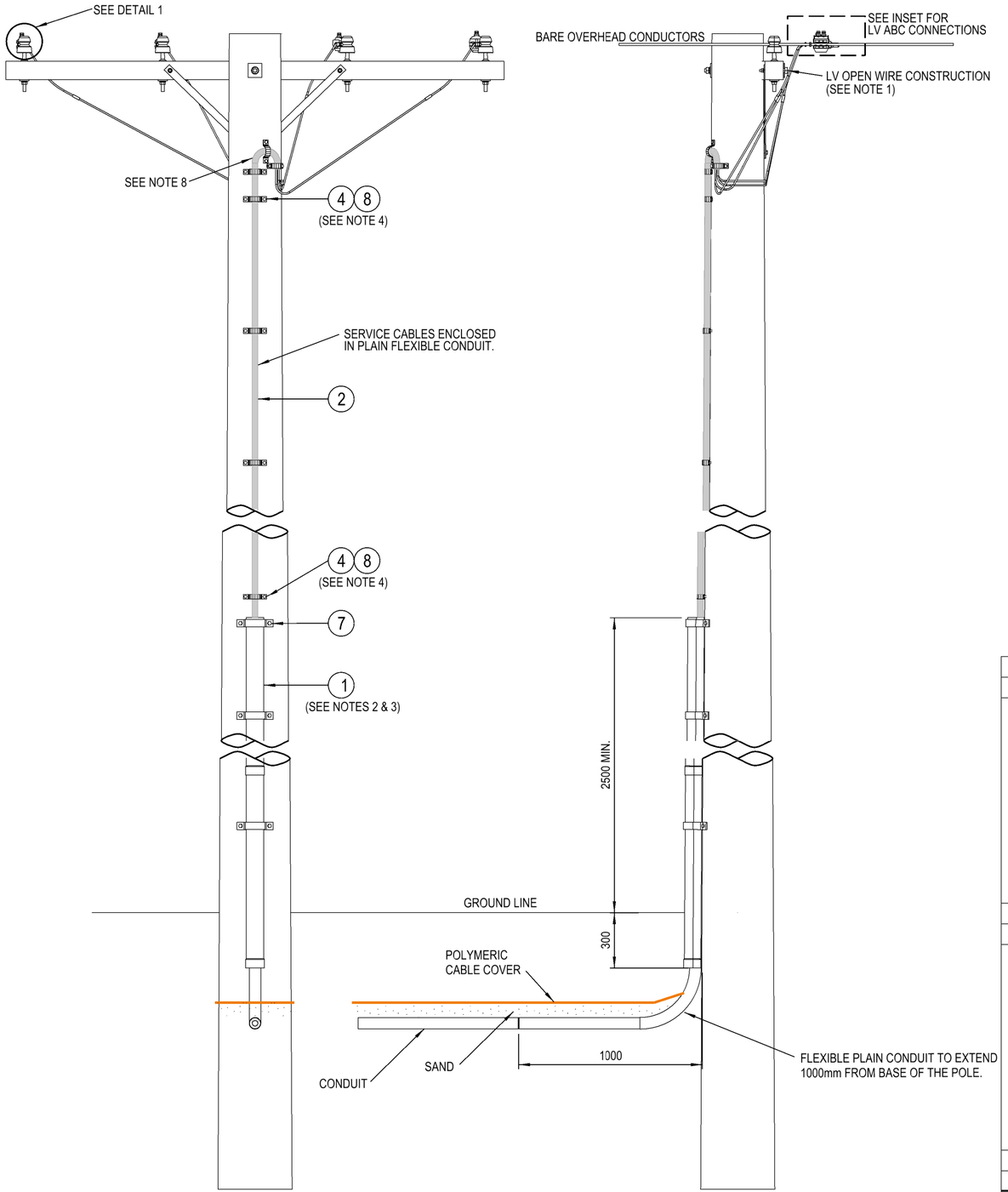
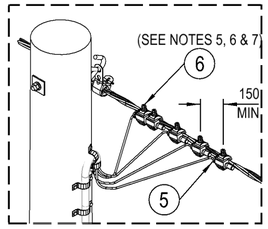
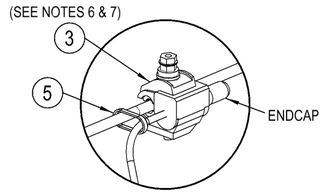


NOTES :

1. THE LV OPEN WIRE INTERMEDIATE CONSTRUCTION HAS BEEN SHOWN FOR DIAGRAMATIC PURPOSES ONLY. THIS SINGLE CORE SERVICE CABLE UGOH CONSTRUCTION CAN BE ERECTED ON ANY APPROPRIATE LV OPEN WIRE OR ABC STANDARD CONSTRUCTION.
2. THE NON-METALLIC CABLE COVER IS TO BE INSTALLED TO A MINIMUM HEIGHT OF 2500mm ABOVE GROUND LEVEL. THE BASE OF THE CABLE COVER IS ALSO TO BE INSTALLED 300mm BELOW GROUND LEVEL. REFER TO NETWORK STANDARD NS127 FOR ADDITIONAL REQUIREMENTS REGARDING MECHANICAL PROTECTION OF UGOH CONSTRUCTIONS.
3. THE NON-METALLIC CABLE COVER KIT COMPRISES THE FOLLOWING ITEMS:
   a. 3 x U-SHAPED TYPE NON-METALLIC COVER PIECES.
   b. 2 x LARGE GALVANISED SADDLES.
   c. 4 x SMALL GALVANISED SADDLES.
   d. 1 x PRE-FIXED STAINLESS STEEL WHIPPER SNIPPER PROTECTION SHIELD.
4. CABLE SADDLES SHALL BE INSTALLED NO MORE THAN 1000mm APART.
5. INSULATION PIERCING CONNECTORS SHALL EITHER HAVE A GREASE FILLED CAP FITTED TO SEAL THE SERVICE CABLE CORE ENDS OR THE SERVICE CABLE ENDS SHALL BE SEALED WITH A UV INHIBITED HEATSHINK CABLE CAP.
6. LV NETWORK SERVICE NEUTRAL CONNECTIONS SHALL INCORPORATE TWO BOLT CONNECTORS OR TWO SINGLE BOLT CONNECTORS.
7. THE SERVICE CABLE SHEATH SHALL BE REMOVED FOR THE LENGTH OF CABLE THAT ENTERS THE INSULATING PIERCING CONNECTOR. THE CABLE INSULATION SHALL NOT BE REMOVED. THERE SHALL BE NO MORE THAN 2mm OF EXPOSED INSULATION BETWEEN THE END OF THE CABLE SHEATH AND THE INSULATION PIERCING CONNECTOR.
8. THE INTERNAL DIAMETER OF THE CONDUIT WEATHER LOOP SHALL NOT BE TIGHTER THAN TWO TIMES THE MINIMUM INTERNAL BENDING RADIUS OF THE CABLE.
9. REFER TO DESIGNER SAFETY REPORT D24/360639 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.



LV ABC CONNECTIONS



DETAIL 1
NOT TO SCALE

ITEM	DESCRIPTION	DRG. No	STOCK CODE	QTY
8	CLAMP - CONDUIT, GALVANISED (TO SUIT FLEXIBLE PVC CONDUIT) (SEE NOTE 4)			A/R
7	SCREW - COACH, M12 x 75mm, GALVANISED		50468	12
6	CONNECTOR - INSULATION PIERCING, LV ABC, 150mm² NEUTRAL (FOR USE WITH 50mm² 3Ø SERVICE) (SEE NOTES 5, 6 & 7)		179845	2
	CONNECTOR - INSULATION PIERCING, LV ABC, 150mm² NEUTRAL (FOR USE WITH 16-25mm² 1 OR 3Ø SERVICES) (SEE NOTES 5, 6 & 7)		143891	2
	CONNECTOR - INSULATION PIERCING, LV ABC, 150mm² ACTIVE (FOR USE WITH 50mm² 3Ø SERVICE) (SEE NOTES 5 & 7)		179845	3
	CONNECTOR - INSULATION PIERCING, LV ABC, 150mm² ACTIVE (FOR USE WITH 16-25mm² 3Ø SERVICE) (SEE NOTES 5 & 7)		143891	3
	CONNECTOR - INSULATION PIERCING, LV ABC, 150mm² ACTIVE (FOR USE WITH 16-25mm² 1Ø SERVICE) (SEE NOTES 5 & 7)		143891	1
	CONNECTOR - INSULATION PIERCING, LV ABC, 95mm² NEUTRAL (FOR USE WITH 50mm² 3Ø SERVICE) (SEE NOTES 5, 6 & 7)		179843	2
	CONNECTOR - INSULATION PIERCING, LV ABC, 95mm² NEUTRAL (FOR USE WITH 16-25mm² 1 OR 3Ø SERVICES) (SEE NOTES 5, 6 & 7)		73593	2
	CONNECTOR - INSULATION PIERCING, LV ABC, 95mm² ACTIVE (FOR USE WITH 50mm² 3Ø SERVICE) (SEE NOTES 5 & 7)		179843	3
	CONNECTOR - INSULATION PIERCING, LV ABC, 95mm² ACTIVE (FOR USE WITH 16-25mm² 3Ø SERVICE) (SEE NOTES 5 & 7)		73593	3
	CONNECTOR - INSULATION PIERCING, LV ABC, 95mm² ACTIVE (FOR USE WITH 16-25mm² 1Ø SERVICE) (SEE NOTES 5 & 7)		73593	1
5	TIE - CABLE, 370 x 7.6mm, BLACK, UV STABILISED, PVC		179755	A/R
4	SCREW - TYPE 17, 12gx45mm, SELF DRILLING, TIMBER, GALVANISED		175567	A/R
3	CONNECTOR - TEE-OFF (BARE CU NEUTRAL OH CONDUCTOR 7-100mm² TO SERVICE CABLE) (FOR USE WITH 50mm² 3Ø SERVICE) (SEE NOTES 6 & 7)		176580	2
	CONNECTOR - TEE-OFF (BARE CU NEUTRAL OH CONDUCTOR 7-100mm² TO SERVICE CABLE) (FOR USE WITH 16-25mm² 1 OR 3Ø SERVICES) (SEE NOTES 6 & 7)		182905	1
	CONNECTOR - TEE-OFF (BARE CU ACTIVE OH CONDUCTOR 7-100mm² TO SERVICE CABLE) (FOR USE WITH 50mm² 3Ø SERVICE) (SEE NOTE 7)		176580	3
	CONNECTOR - TEE-OFF (BARE CU ACTIVE OH CONDUCTOR 7-100mm² TO SERVICE CABLE) (FOR USE WITH 16-25mm² 3Ø SERVICE) (SEE NOTE 7)		H109694	3
	CONNECTOR - TEE-OFF (BARE CU ACTIVE OH CONDUCTOR 7-100mm² TO SERVICE CABLE) (FOR USE WITH 16-25mm² 1Ø SERVICE) (SEE NOTE 7)		H109694	1
	CONNECTOR - TEE-OFF (BARE AL NEUTRAL OH CONDUCTOR 50-240mm² TO SERVICE CABLE) (FOR USE WITH 50mm² 3Ø SERVICE) (SEE NOTES 6 & 7)		73569	1
	CONNECTOR - TEE-OFF (BARE AL NEUTRAL OH CONDUCTOR 25-210mm² TO SERVICE CABLE) (FOR USE WITH 16-25mm² 1 OR 3Ø SERVICES) (SEE NOTES 6 & 7)		182904	1
	CONNECTOR - TEE-OFF (BARE AL ACTIVE OH CONDUCTOR 50-240mm² TO SERVICE CABLE) (FOR USE WITH 50mm² 3Ø SERVICE) (SEE NOTE 7)		73569	3
	CONNECTOR - TEE-OFF (BARE AL ACTIVE OH CONDUCTOR 25-210mm² TO SERVICE CABLE) (FOR USE WITH 16-25mm² 3Ø SERVICE) (SEE NOTE 7)		175051	3
	CONNECTOR - TEE-OFF (BARE AL ACTIVE OH CONDUCTOR 25-210mm² TO SERVICE CABLE) (FOR USE WITH 16-25mm² 1Ø SERVICE) (SEE NOTE 7)		175051	1
2	CONDUIT - FLEXIBLE, GREY, PVC (SIZE TO SUIT SERVICE CABLE) (SEE NOTE 8)			A/R
1	COVER - CABLE, KIT, NON-METALLIC (SEE NOTES 2 & 3)		184570	1

ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE. DO NOT SCALE.

CAD DRAWING DO NOT MANUALLY AMEND

AMENDMENTS

ASSOCIATED DRAWINGS

NETWORK STANDARD Ausgrid

145 NEWCASTLE RD WALLSEND. NSW 2287

SCALE	1:20
DESIGNED	P.JONES
DRAWN	P.RIOS
CHECKED	B.WEBSTER
APPROVED	G.FORD
DATE	16/01/2025
PROJECT NUMBER	STD
PROJTRAK NUMBER	-

STANDARD CONSTRUCTION
LV OVERHEAD CONDUCTOR
SINGLE CORE SERVICE CABLE UGOH CONSTRUCTION
1-510 (LV1-11)

SIZE A2 | DRAWING No 255630 | SHEET 1 | AMD 0

20110901

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