



TYPICAL CABLE SECTIONS 220kv CONNECTION WEARING COURSE BINDER COURSE PSOIL/BACKFILL (REFER NOTE 4) BASE COURSE TOPSOIL/BACKEILL (REFER NOTE L RKING TAPE TO AS2648 NG TAPE TO AS264 OPSOIL/BACKFILL (REFER NOTE 4) OPSOIL/BACKFILL (REFER NOTE 4) PVC COVER TO AS4702 VC COVER TO AS4702 (REFER NOTE 2) HERMAL BEDDING (REFER NOTE 2) 220kv CABLE FROM BESS -220kv CABLE FROM BESS 0 00 IBRE INSTALLED IN 50mmØ VHITE CONDUIT BRE INSTALLED IN 50mmØ HITE CONDUIT 3 X I CORE Cu. 220kV XLP 3 X I CORE Cu. 220kV XLPE

SECTION B TRENCH UNDER EASEMENT

SECTION B TRENCH UNDER ROAD

NOTE

- Trenches excavated for the direct burial of cables shall be carefully cleared of rocks prior to the laying of the cable. Cables shall be bedded in thermal bedding of not less than 50mm thick. After laying the cable, the same thermal bedding material shall be installed over the cable to a minimum thickness of 75mm above the cable (note bedding requirements)
- Thermal bedding shall have a minimum fully dried out TR value of L2km/W at minimum 85% compaction, care shall be taken when compacting bedding so that the cable is not damaged.
- Sand shall be a well-graded mixture with no particle size greater than 5mm. A grading curve shall be supplied from the quarry which should indicate an even grading of particle sizes down to very fine. Washed or graded sands shall not be used. Rocks and sharp objects shall be removed from sub soil prior to backfill.
- The dry thermal resistivity of the proposed mixture shall be measured
- prior to use. The backfill shall have a dry density of approximately I900kg/m³.
- Backfilling to 85% shall be done in lavers not exceeding 200mm and each layer shall be compacted before next layer is applied. Cut cables that are not immediately joined shall be capped to prevent
- moisture inaress.
- The cable & FOC manufacturers specified maximum bending radii and pulling tensions shall be adhered to at all times. 10. ш
- Cable crossings must be avoided, however if a crossing is practically unavoidable, cables shall be crossed perpendicular to each other with sufficient gap between them to prevent derating.



convright

LEGEND

\odot	Dead Tree for removal
	Tree for removal
	Indicative Cable Route
	Indicative Cable Route Envelope
	Existing Ausnet 220kv Yard
\bigcirc	Area of Cultural Heritage Sensitivit

Datum Notation:

Co-ordinates are plane co-ordinates computed from the following: MGA Zone 55 Datum vide: PS546430D Origin of Co-ordinates: PM230 (MELBPOS) AHD Levels derived from: MPDWB 92/057 RL. 26.242 Confirmed by: PM230 RL.26.532 Contour Interval: 0.2m Date of Survey: 27.05.2021

IMPORTANT NOTE

This plan/digital information is prepared for Macquarie Corporate Holdings Pty Limited from a combination of field survey and existing records for the purpose of designing new structures on the land and should not be used for any other purpose.

The Title boundaries shown hereon are based on plan dimensions only and have not been re-established. Location has been derived from KLM Spatial Plan of Survey Ref: 5959DEI dated I5-07-20I5 using the common boundary (western). Refer to the Plan of Survey for further details.

The Electrical design shown on this plan has been supplied to KLM Spatial on the 27.05.202I with name Ref. Cranbourne layout 200MW 400MWh V3, done by Fluence.

No underground service investigation has been completed. Caution should be applied.

Prior to any demolition, excavation or construction on the site, the relevant authority should be contacted for possible location of further underground services and detailed locations of all services.

Any reproduction of this information in other plans requires the authorship of KLM Spatial to be noted on that plan and a statement that the information has not been altered.

This note is an integral part of this plan.



Client: Macquarie Corporate Holdings Pty Ltd Title Details: Vol.12141 Fol.514 Lot 1 on PS823207N 5959.08 DE02 Reference: Plan Date: 07-12-2021 Version: 1:400 Scale: 2 Sheet 2 of Sheet Size A3

5 3 St Ű \geq Φ Ĕ Cranbo Road, hompsons 0 N

SPATIAL

Σ

 $\mathbf{\mathbf{Y}}$

C O M .

Devel w . k

Cable Site Plan