

The Secretary
NSW Department of Planning, Industry & Environment

29 March 2022

ATTENTION: Giles Bloxham

Dear Sir or Madam

I refer to the Department's email of 23 March 2022 regarding the Environmental Impact Statement (EIS) for State Significant Development SSD-30923027 for the Compass 2 Warehouse & Distribution Centre comprising 'Construction and operation of a Warehouse and Distribution Centre including minor earthworks, civil works and utilities servicing, and car parking' located at Lot 1 Eastern Creek Drive, Eastern Creek (Lot 1 DP 1274322) in the Blacktown City Local Government Area (LGA). Submissions need to be made to the Department by 21 April 2022.

As indicated in Appendix 30 – Stakeholder Engagement, Endeavour Energy provided initial advice to Hill PDA regarding the existing electricity infrastructure on and near the site and likely network upgrades required to facilitate the proposed development via an email on 10 November 2021. The recommendations and comments provided therein remain valid.

Appendix 28 – Service Infrastructure Assessment includes the following advice.

4.0 ELECTRICITY

- a) There are two major zone substations in the Eastern Creek employment precinct, one located in Wonderland Drive (a 90MVA zone substation), and another located at the corner of Old Wallgrove Road and Roberts Road (also a 90MVA zone substation). The Roberts Road zone substation supplies the subject site and surrounding areas.
- b) Endeavour Energy have installed high voltage 11kv feeders in conduits on both sides of Eastern Creek Drive. These feeders currently supply a number of padmount substations installed in adjacent developments.
- c) Calculations outlined in Appendix B of this report indicate the proposed development will generate a load demand of 0.6MVA.
- d) Depending on the rating of adjacent padmount substations there may be a possibility that any surplus capacity from those padmounts could be directed to service the proposed development of the subject site.
- e) The more likely scenario is that a new padmount substation will be required within the proposed development. If the adjoining sites are utilising the capacity of the existing 11kv feeders (which could supply a demand need of up to 4MVA) a further feeder would need to be installed in the conduit run from the Roberts Road zone substation. This is a slim possibility but needs to be factored into the supply requirements if needed.
- f) The masterplan for the development indicates a requirement for interconnection of the high voltage reticulation network in Eastern Creek Drive and Honeycomb Drive is required. An easement for the HV electrical cables is shown in the masterplan.
- g) Asset delivery of electrical infrastructure will be undertaken pursuant to Endeavour Energy's Connection Load processes.

The reference to Endeavour Energy's two major zone substations in the area is shown in the below Site Plan from Endeavour Energy's G/Net Master Facility Model being:

- North Eastern Creek Zone Substation located at Wonderland Drive, Eastern Creek (Lot 219 DP 1076826).
- Eastern Creek Zone Substation located at Old Wallgrove Road, Eastern Creek (Lot 10 DP 1195754).

Given the estimated electricity load for the proposed development of 0.6 megavolt-amperes (MVA), and the usual / standard size for padmount substations is 500 kilovolt-amperes (kVA) or 0.5 MVA, it is likely at least one padmount substation / transformer will be required on the site.

The easement for [11,000 volt / 11 kilovolt (kV)] underground cables is shown in the below extract of the Site Plan. The easement will need to comply with the requirements of the attached copy of Endeavour Energy's Mains Design Instruction MDI 0044 'Easements and Property Tenure Rights'.

The applicant and their Accredited Service Provider (ASP) should complete the application for connection of load process with Endeavour Energy's Customer Network Solutions Branch who are responsible for managing the conditions of supply and can be via Head Office enquiries on business days from 9am - 4:30pm on telephone: 133 718 or (02) 9853 6666.

Subject to the foregoing Endeavour Energy has no objection to the Development Application.

Could you please pass on a copy of this submission to the applicant? Should you wish to discuss this matter, or have any questions, please do not hesitate to contact me or the contacts identified above or in Endeavour Energy's previous submission in relation to the various matters. Due to the high number of development application / planning proposal notifications submitted to Endeavour Energy, to ensure a response contact by email to property.development@endeavourenergy.com.au is preferred.

Yours faithfully

Cornelis Duba

Development Application Specialist

Sustainability & Environment

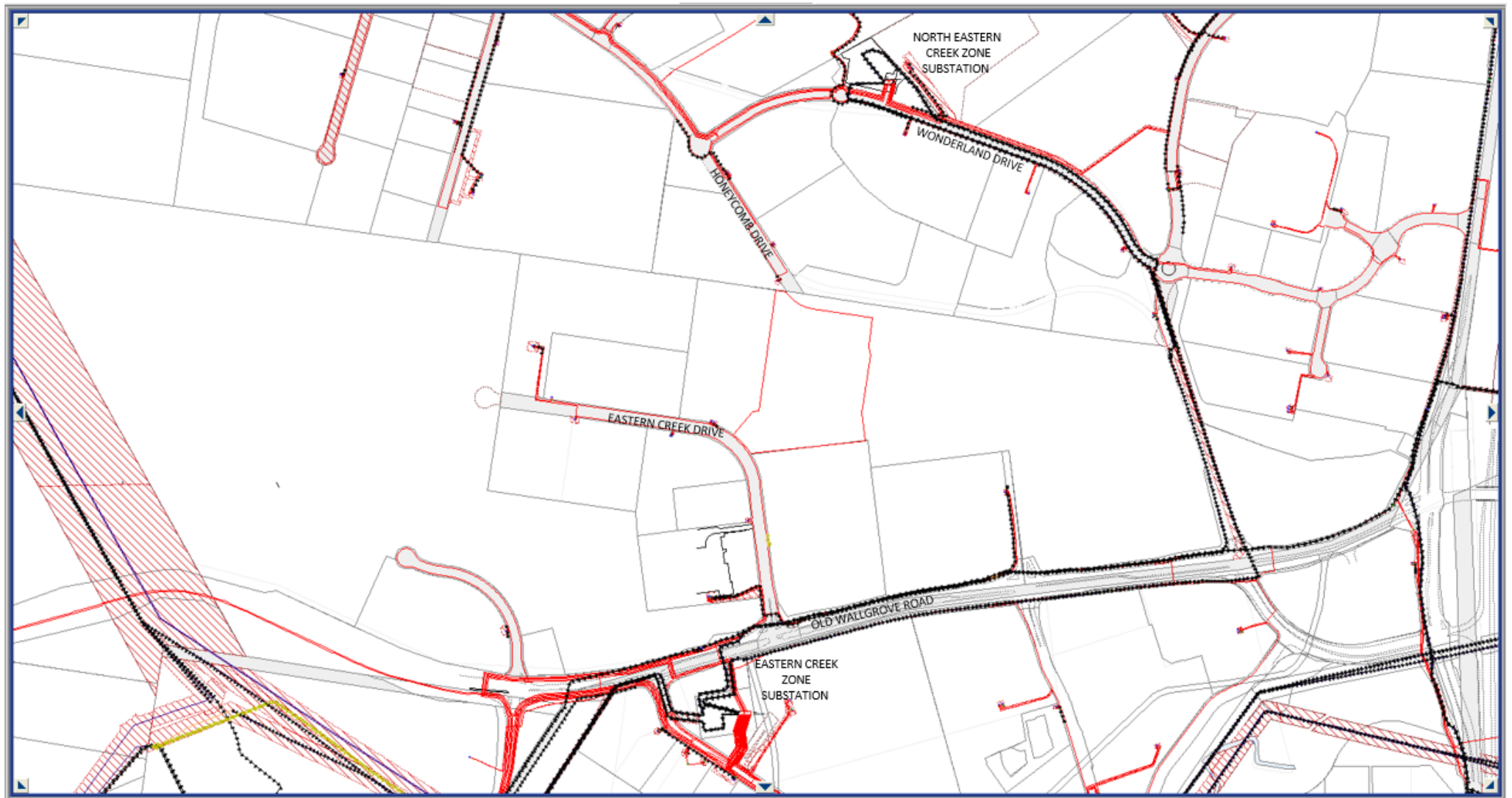
M: 0455 250 981

E: cornelis.duba@endeavourenergy.com.au

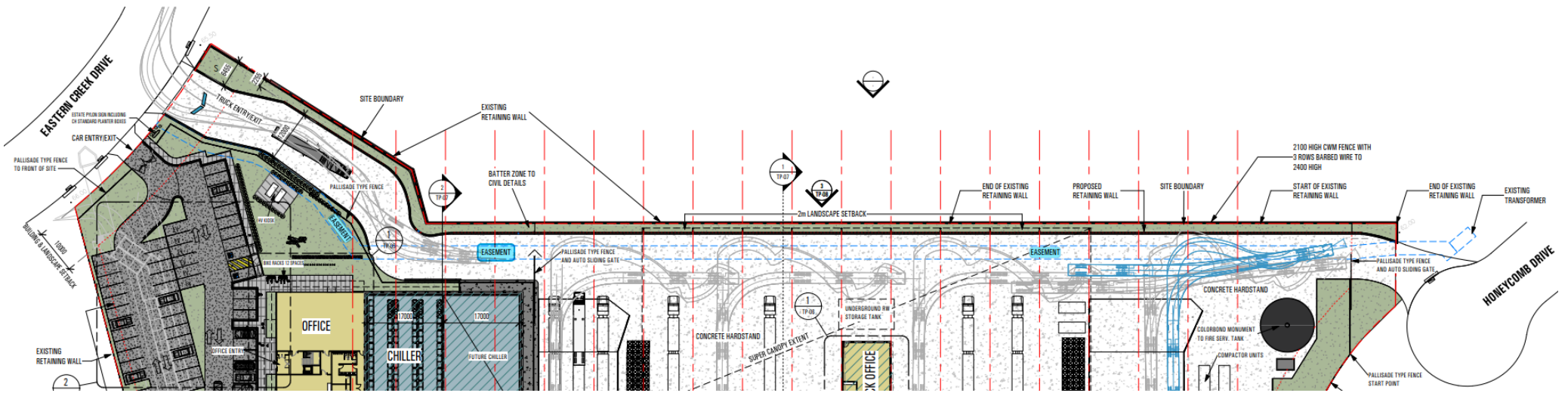
51 Huntingwood Drive, Huntingwood NSW 2148

www.endeavourenergy.com.au





Please note the location, extent and type of any electricity infrastructure, boundaries etc. shown on the plan is indicative only. In addition it must be recognised that the electricity network is constantly extended, augmented and modified and there is a delay from the completion and commissioning of these works until their capture in the model. Easements benefitting Endeavour Energy are indicated by red hatching. Generally (depending on the scale and/or features selected), low voltage (normally not exceeding 1,000 volts) is indicated by blue lines and high voltage (normally exceeding 1,000 volts but for Endeavour Energy's network not exceeding 132,000 volts / 132 kV) by red lines (these lines can appear as solid or dashed and where there are multiple lines / cables only the higher voltage may be shown). This plan only shows the Endeavour Energy network and does not show electricity infrastructure belonging to other authorities or customers owned electrical equipment beyond the customer connection point / point of supply to the property. This plan is not a 'Dial Before You Dig' plan under the of Part 5E 'Protection of underground electricity power lines' of the *Electricity Supply Act 1995* (NSW).



SITE PLAN