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15 December 2023

Deicorp Projects (Showground East) Pty Ltd

Level 4, 161 Redfern Street

REDFERN NSW 2016

Attention: B. Malouf

Dear Bernardo,

**RE: Proposed Development – 3 Andalusian Way, Castle Hill
Endeavour Energy Electrical Infrastructure**

REVISION NO.: [B]

The following is a summary of the existing and proposed Endeavour Energy electrical infrastructure associated with the new development proposed at 3 Andalusian Way, Castle Hill, based on a desktop assessment review.

Existing infrastructure arrangements noted in this letter have been sourced from Endeavour Energy GIS information only and has not been confirmed on site.

PLANNING REQUIREMENTS

The new development will require planning approvals with Authorities and must include any proposed new substation infrastructure for review and comment by all authorities.

EXISTING ELECTRICAL ONSITE INFRASTRUCTURE

From initial desktop investigations, the site is currently electrically supplied by the following Endeavour Energy assets:

- Existing 300kVA padmount substation DS.08821 located in the southwest corner of the site – underground supply
- Existing 750kVA padmount substation DS.08822 located in the northwest corner of the site – underground supply
- Existing underground high voltage (11kV) cabling through the site
- Existing street lighting column PL.006734 along Showground Road – underground supply

In addition to the supply arrangements to the site, the site is currently also encumbered by two (2) existing Endeavour Energy high voltage (11kV) network switching stations located along the Carrington Road frontage.

To remove these assets from the site, the underground connection from the street light column can be undertaken by an ASP2 contractor without the need for design. The removal of the existing onsite substations and switching stations will require the engagement of an ASP3 designer in conjunction with an ASP1 contractor as a Contestability project.

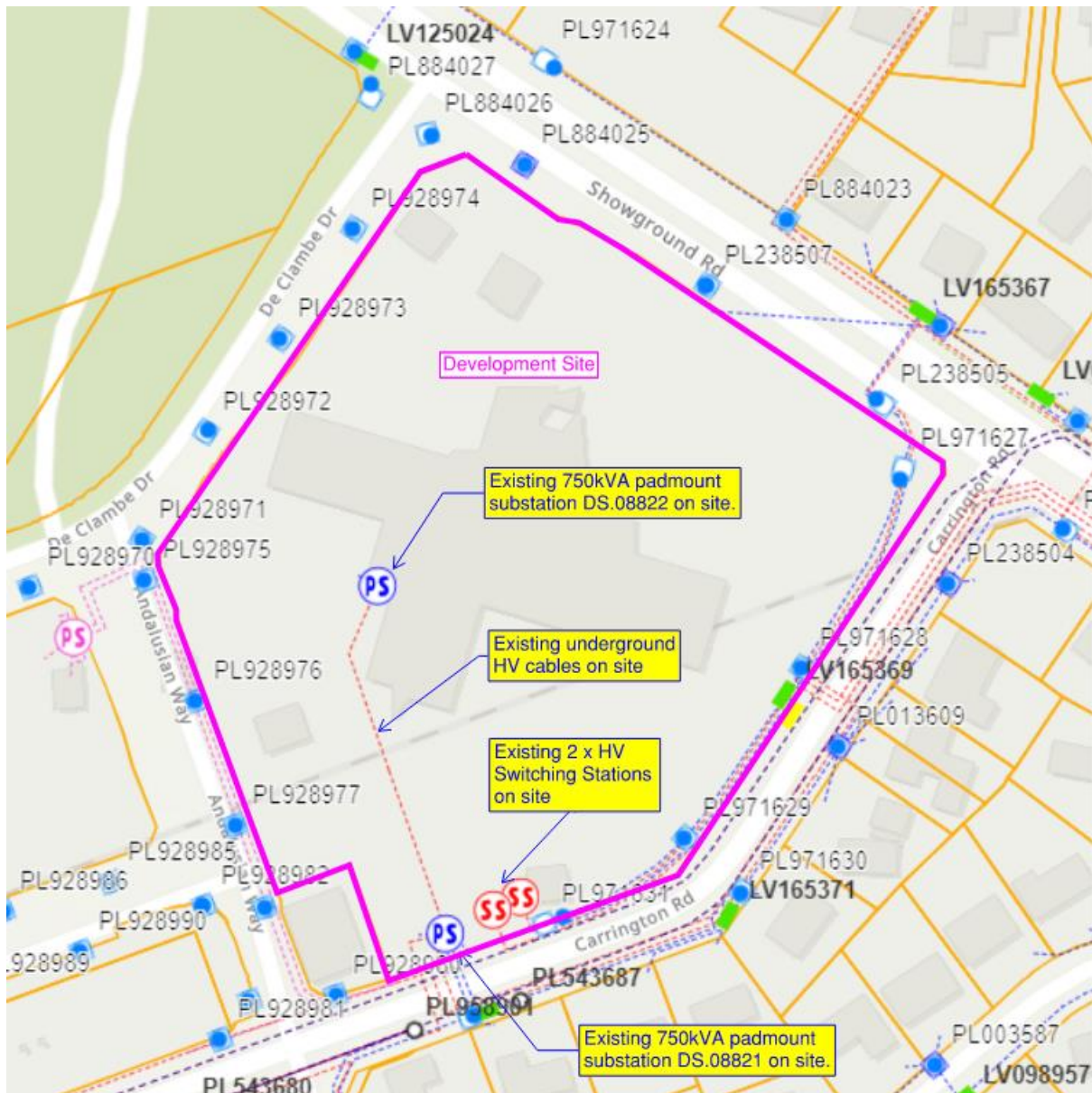


Figure 1: Existing Endeavour Energy Infrastructure (WebGIS)

EXISTING ELECTRICAL EXTERNAL INFRASTRUCTURE

Endeavour Energy has existing underground high voltage (11kV) located within Carrington Road along the site boundary, likely within the footpath. Any future substation infrastructure could potentially use these existing HV feeders for supply to the new development.

Existing underground LV network is also available within the footpath of Carrington Road for interface for future substation MEN connections to minimise the need for new earthing grids within the site.

In addition, Endeavour Energy street lighting in the form of underground cables and steel columns is located surrounding the site within Carrington Road, Showground Road, and Clambe Drive.

PROPOSED ELECTRICAL ONSITE INFRASTRUCTURE

The proposed showground precinct east development is located at 3 Andalusian Way Castle Hill, 2154. The subject application seeks consent for the staged construction of Showground Precinct East within the Hills Showground Station Precinct, comprising:

- Residential towers (3-16 storeys) over three lots; 7 x Stratums (1 per building)
- Construction of 873 apartments and associated basement parking;
- Infrastructure upgrades, landscaping, civil and stormwater works; and
- Stratum subdivision.

1. PROPOSED SUBSTATION INFRASTRUCTURE

From a very high-level desktop assessment, it is expected that the following Endeavour Energy infrastructure will be required on the site:

- Lot 3: 1 x new Endeavour Padmount Substation located along the Andalusian Way Boundary
- Lot 4: 1 x new Endeavour Padmount Substation located along the New Council Road Boundary
- Lot 5: 2 x new Endeavour Energy Padmount Substations, one located in the northeast corner of the site; the other located in the middle of the site close to the Showground Road boundary.

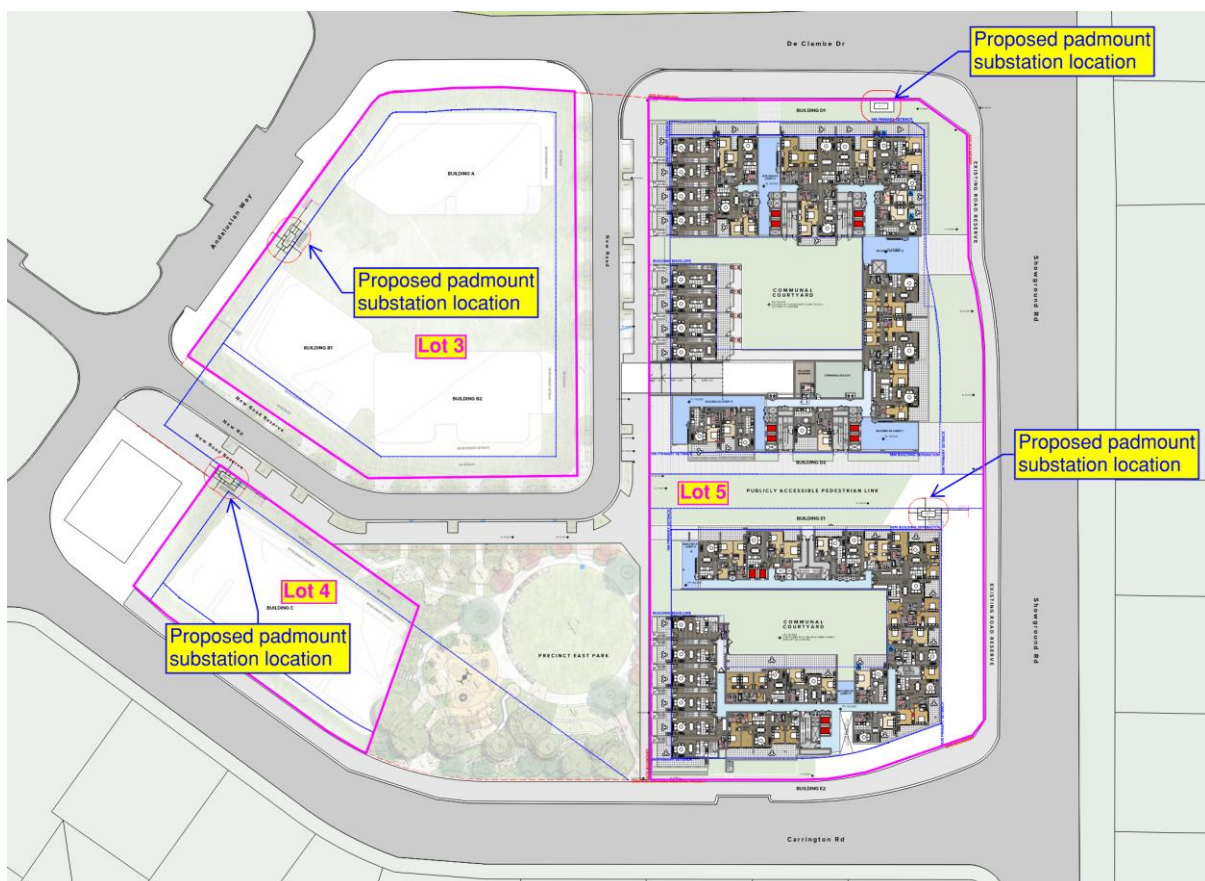
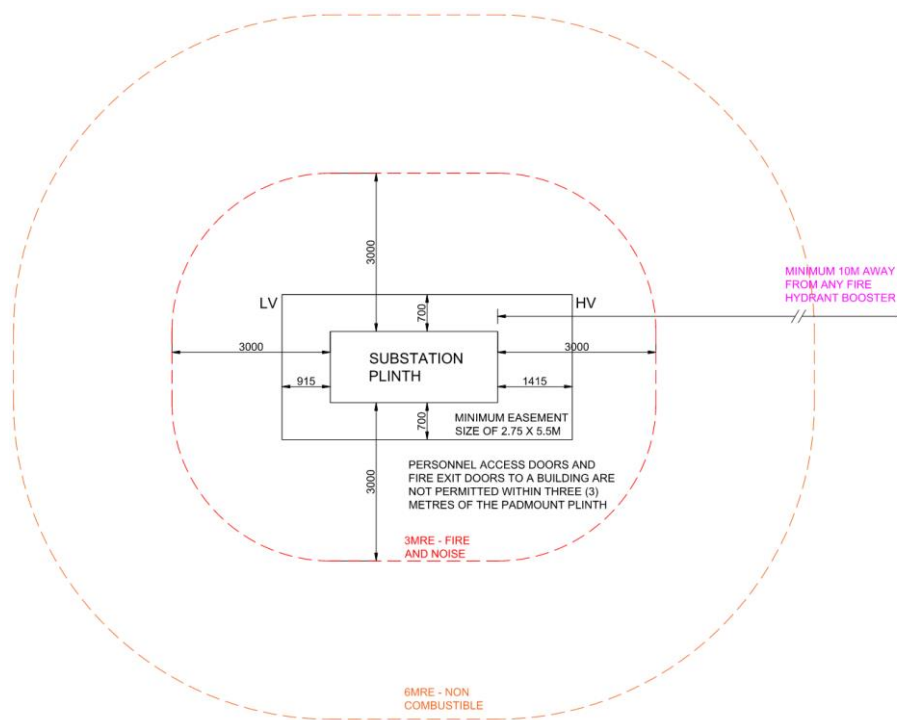


Figure 2: Proposed Endeavour Energy substation Infrastructure

- A footprint of level clear space for an easement of 2.75m W x 5.5m L and open to the sky.
- Clear 4.0m wide x 4.0m high right of way from a public road to the substations where not included at the individual lot boundaries.
- All building elements within a 3.0m radius in all directions from the substation housing must have an FRL of 120/120/120.
- Any building ventilation openings (natural or forced) are to be a minimum 6.0m in a stringline away from the substation housing.
- No hydrants or boosters are to be located within 10.0m of the substation
- Substation must be above the 1:100 year (1%AEP) flood level of the location
- Substation to be located a minimum 3m from any adjacent lot boundary



It is advised an Endeavour Energy applications together with a formal electrical demand calculation for the proposed development be undertaken to confirm the electrical infrastructure connection points and arrangements available.

Yours sincerely,



JHA