

The Secretary
NSW Department of Planning, Industry and Environment

27 May 2021

ATTENTION: Navdeep Shergill, Senior Planner, Social and Infrastructure Assessments

Dear Sir or Madam

I refer to the Department's below email of 10 May 2021 regarding the notice of exhibition of the Environmental Impact Statement (EIS) for State Significant Development SSD-8873789 the New Epping South Primary School (Concept and Stage 1) for 'Staged Concept Development Application comprising demolition works and the construction of new buildings to cater for an enrolment capacity for up to 1,000 students' at 86 Chelmsford Avenue, Epping (Lot 1 DP 582172) in the City of Parramatta LGA. Submissions need to be made to the Department by 23 June 2021.

Please refer to Endeavour Energy's submission made to the Department via email on 31 August 2020 regarding the request for the request for Secretary's Environmental Assessment Requirements (SEARs) for SSD-8873789 the New Epping South Primary School Proposed K-6 public educational establishment. The recommendations and comments provided therein generally remain valid.

Subject to the foregoing and the following further recommendations and comments Endeavour Energy has no objection to the Development Application.

- Network Capacity / Connection

Endeavour Energy has noted the following in the Services Infrastructure Report addressing the suitability of the site for the development in regard to whether electricity services are available and adequate for the development.

2. Site Infrastructure

2.1 Electrical Supply

2.1.2 Required Works

In order to facilitate the new school a new private pad mount substation will be required. The new padmount substation will require an easement, as detailed in the below extract from Endeavor Energy network standards.

The total proposed maximum demand for the development is 547.22A per phase, based on AS3000. This load includes for fully air conditioning all teaching and learning areas, the administration offices, library and multipurpose hall

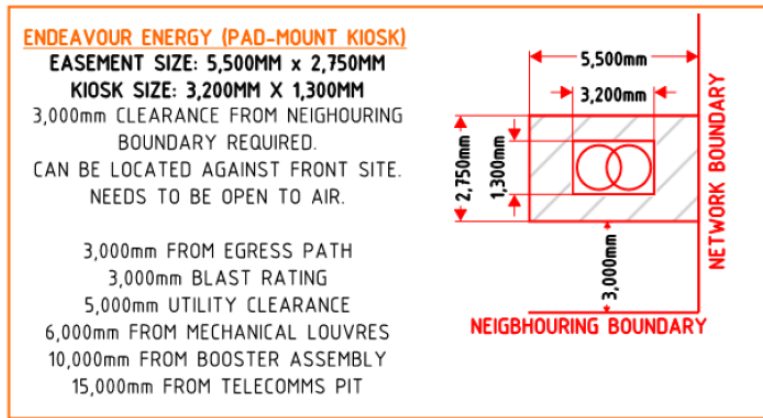
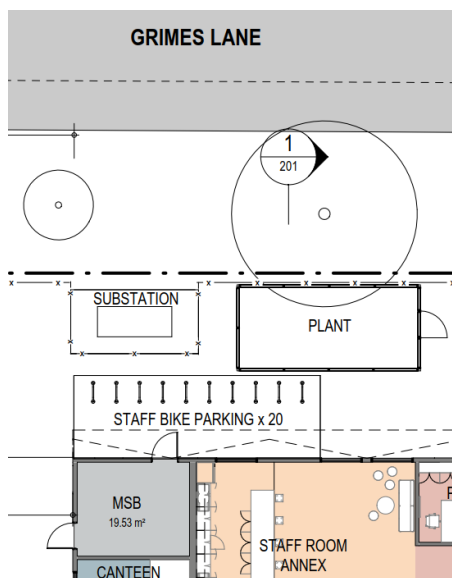


Figure 5 - Endeavour Energy Substation Requirements

The proposed new padmount substation to be installed along Grimes Lane is shown in the following extract of the Composite Plan - Ground Floor.



From Endeavour Energy's perspective the fact that provision is being made for a padmount substation is a positive. Endeavour Energy's general requirements is for a padmount substation to be at ground level and have direct access from a public street (unless provided with appropriate easements for the associated underground cables and right of access).

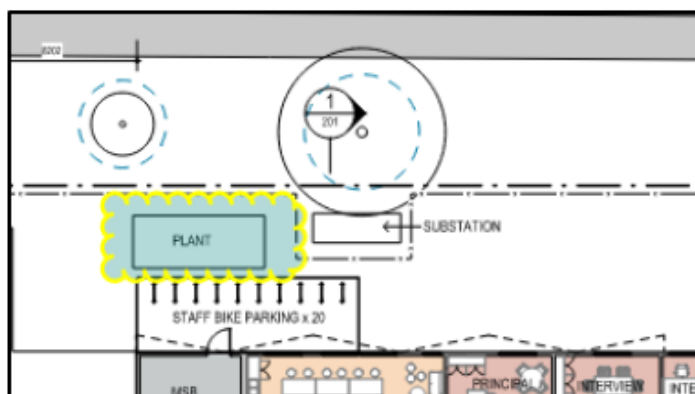
Generally it is the Level 3 Accredited Service Provider's (ASP) responsibility (engaged by the developer) to make sure that the substation location and design complies with Endeavour Energy's standards the suitability of access, safety clearances, fire ratings, flooding etc. As a condition of the Development Application consent the Department should request the submission of documentary evidence from Endeavour Energy confirming that satisfactory arrangements have been made for the connection of electricity and the design requirements for the substation, prior to the release of the Construction Certificate / commencement of works.

- Prudent Avoidance

As part of the further Noise Impact Assessment consideration should also be provided to the new padmount substation required to facilitate the proposed development. The transformers in substations may emit a hum – especially when under heavy load say in the summer peak when use of air conditioning is at its highest. The noise is usually not perceptible enough to be regarded as disruptive and/or to the point where amelioration measures are required. As noise levels, frequency and timing can vary and people perceive sounds differently, to minimise any potential exposure to intrusive noise, the siting towards the electricity infrastructure of less sensitive uses or parts of the building not regularly occupied is recommended.

As shown in the following extract of the Noise Impact Assessment the substation is not indicted as being potentially noise generating equipment.

Figure 6-1: Plant Locations



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.

With the easing of the current COVID-19 health risk, whilst a significant number of Endeavour Energy staff are returning to the office they are at times still working from home. Although working from home, access to emails and other internal stakeholders can still be somewhat limited and as a result it may take longer than usual to respond to enquiries. Thank you for your ongoing understanding during this time.

Yours faithfully

Cornelis Duba

Development Application Specialist

Network Environment & Assessment

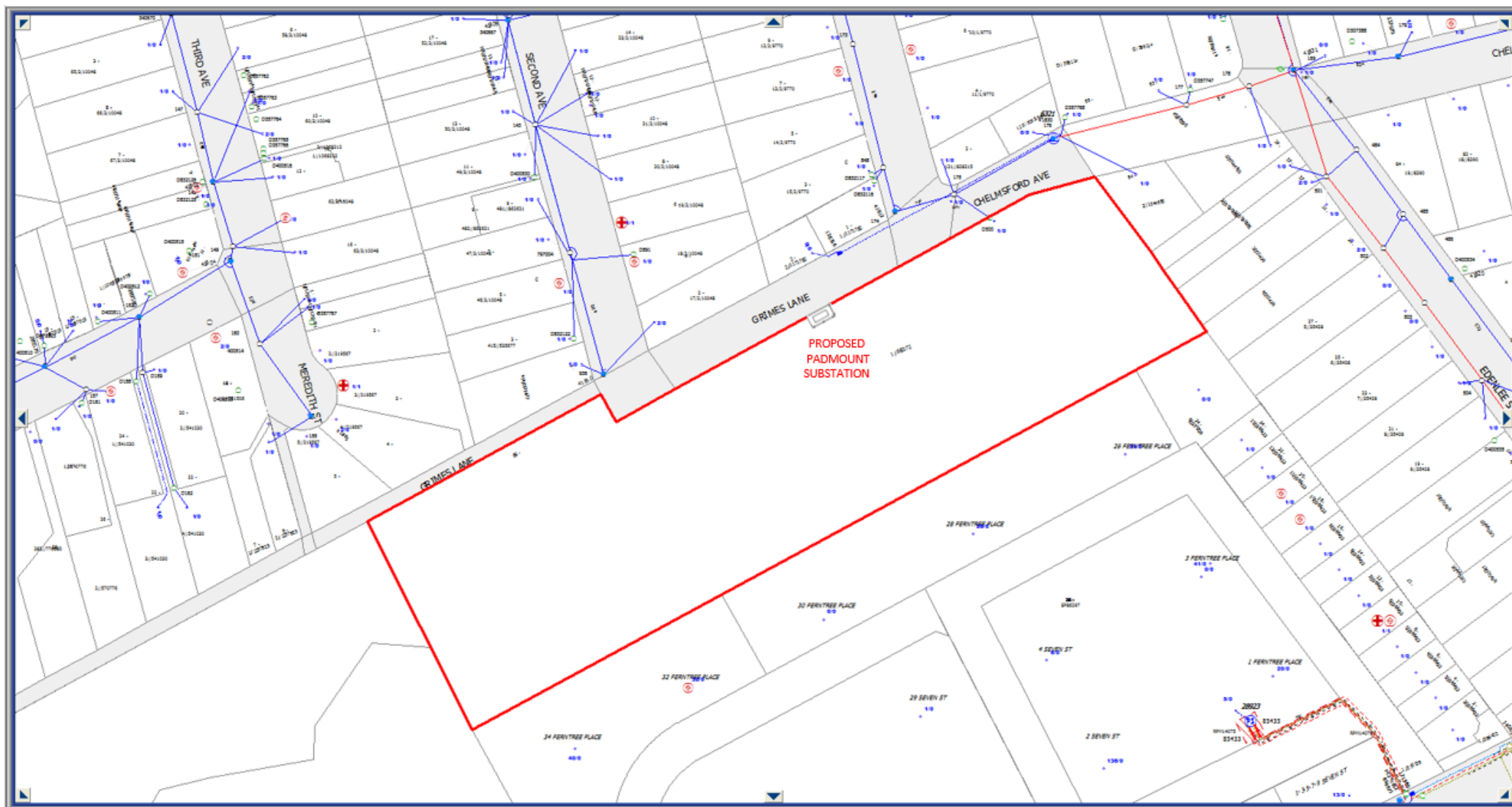
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Please note the location, extent and type of any electricity infrastructure, boundaries etc. shown on the plan is indicative only. In addition it must be recognised that the electricity network is constantly extended, augmented and modified and there is a delay from the completion and commissioning of these works until their capture in the model. 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 provisions of Part 5E 'Protection of underground electricity power lines' of the Electricity Supply Act 1995 (NSW).



Supply for the new padmount substation to the Grimes Lane frontage will need to be provided by the 11,000 volt / 11 kilovolt (kV) most likely from the feeder currently going to pole mounted substation no. 6321 located approximately 105 metres to the north east in Chelmsford Avenue. As well as the provision of the new padmount substation, other factors such as the size and rating / load on the conductors and voltage drop (which can affect the quality of supply particularly with long conductor runs) etc. need to be assessed.

From: Navdeep Singh Shergill <Navdeep.SinghShergill@planning.nsw.gov.au>
Sent: Wednesday, 26 May 2021 5:51 PM
To: Property Development <Property.Development@endeavourenergy.com.au>
Subject: Notice of Exhibition - SSD 8873789 - New Epping South Primary School (Concept and Stage 1)



Planning,
Industry &
Environment

Mr. Cornelis Duba
Development Application Specialist
Endeavour Energy

-via email-

property.development@endeavourenergy.com.au

Dear Cornelis,

The Department of Planning, Industry and Environment has received an Environmental Impact Statement (EIS) for new Epping South Primary School (Concept and Stage 1) (SSD-8873789).

The EIS will be publicly exhibited from **Thursday 27 May 2021** until **Wednesday 23 June 2021**. All relevant documents may be viewed on the Department's website at: <https://www.planningportal.nsw.gov.au/major-projects/project/39531>.

The Department invites you to advise on the request, including advice on recommended conditions by **Wednesday 23 June 2021**.

If you have any questions, please contact Navdeep Shergill on (02) 8289 6777 or via email at Navdeep.singhshergill@planning.nsw.gov.au.

Kind regards

Navdeep Shergill

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