

The Secretary  
NSW Department of Planning, Industry and Environment

17 July 2021

**ATTENTION: David Way**

Dear Sir or Madam

I refer to the Department's below email of 29 June 2021 regarding the notice of exhibition of the Environmental Impact Statement (EIS) for State Significant Development SSD-10391 New Liverpool Primary School for 'Construction of a new school building of up to four storeys including core school facilities, teaching spaces and support units and associated works including tree removal, signage and landscaping' at 18 Forbes Street, Liverpool (Lot 1 DP 1137425) in the Liverpool City Council Local Government Area (LGA). Submissions need to be made to the Department by 27 July 2021.

Please refer to Endeavour Energy's submission made to the Department via email on 14 November 2019 regarding the request for Secretary's Environmental Assessment Requirements (SEARs) State Significant Development SSD-10391 New Liverpool Primary School. The recommendations and comments provided therein generally remain valid.

As indicated the below site plans from Endeavour Energy's G/Net master facility model 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. However from the extracts of Google Maps Street it is evident there are additional streetlights to intersection of Lachlan Street / Burnside Drive and Hart Street. Following enquiries by Endeavour Energy's Streetlighting with Liverpool City Council it appears the additional streetlighting is owned by NSW Health.

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

- Network Capacity / Connection

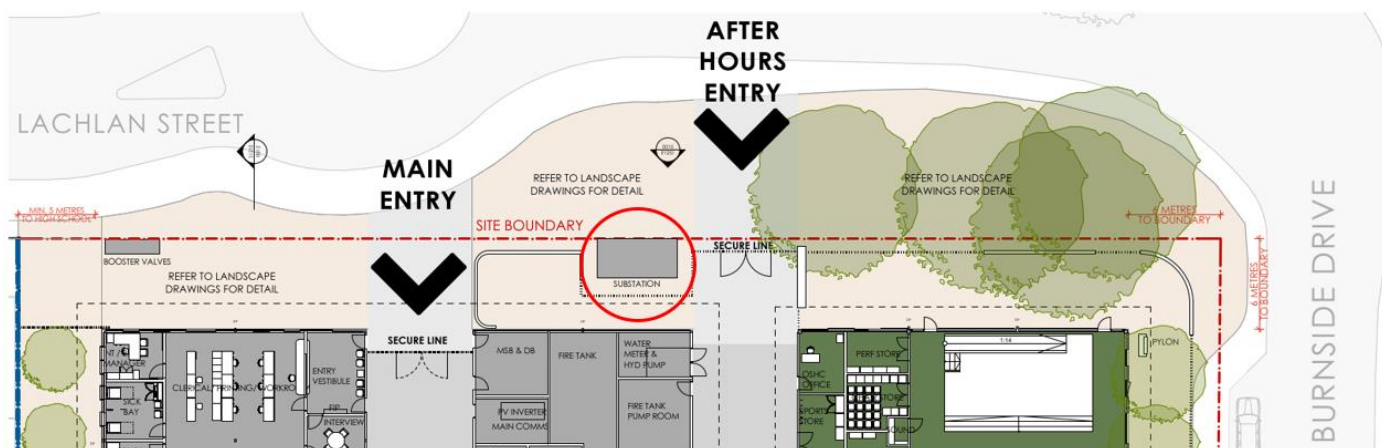
Endeavour Energy has noted the following in the Infrastructure Management Plan addressing the suitability of the site for the development in regard to whether electricity services are available and adequate for the development.

## 2.0 Electricity

Steensen Varming has consulted with Endeavour Energy on the proposed power supply arrangement and it has been accepted to consider the New Liverpool Primary School as a separate construction in relation to the incoming electrical supply. Therefore no works are required to the power supplies associated with the existing Boys and Girls High Schools.

On this basis the New Liverpool Primary School is to be provided with a new dedicated 1000kVA kiosk to satisfy the anticipated maximum demand which is expected to be in the order of 800-900kVA. Endeavour Energy has confirmed that at this point in time, there is sufficient capacity in the area to accommodate this load however it will not be allocated/reserved until a formal application for the supply is submitted.

As shown in the following extract of the Architectural Plans provision has been made for a padmount substation to the Lachlan Street road frontage. As there is no existing 11,000 volt / 11 kilovolt (kV) high voltage conductors on the southern side of Lachlan Street where the padmount substation is proposed to be located, a feeder required to supply the substation will need to be extended to the location.

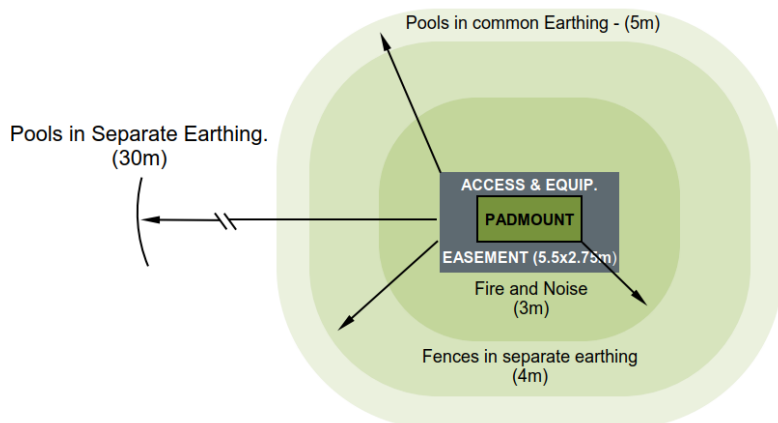


From Endeavour Energy's perspective the fact that provision is being made for a padmount substation is a positive. Endeavour Energy's general requirements is for a padmount substation to be at ground level and have direct access from a public street (unless provided with appropriate easements for the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

As shown in the following extract of Endeavour Energy's Mains Design Instruction MDI 0044 'Easements and Property Tenure Rights', Figure A4.3 'Padmount easements and clearances', padmount substations require:

- Easement with a minimum size of 2.75 x 5.5 metres (single transformer).
- Restriction for fire rating which usually extends 3 metres horizontally from the base of the substation footing / plinth and 6 metres vertically from the same point.
- Restriction for swimming pools which extends 5 metres from the easement.

#### A4.3 - Padmount easements and clearances



The easement should not cross property boundaries but the restriction/s may affect any adjoining property provided they are able to be registered on the title to that property. In addition the following matters also need to be considered in regard to the fire restriction:

- Personnel access doors and fire exit doors to a building are not permitted within the fire restriction area.
- Gas mains/pipes shall not pass through the fire restriction area.
- A 10 metre clearance distance shall be maintained between substation and fire hydrants, booster valves, and the like in accordance with AS2419.1 'Fire hydrant installations System design, installation and commissioning' as updated from time to time.
- Any landscaping that potentially could transfer / provide connectivity for flame or radiant heat from a fire in the substation to a dwelling or building should be avoided.
- The storage of and / or use of flammable, combustible, corrosive or explosive material within the fire restriction should be avoided.

Please find attached for the applicant's information copies of Endeavour Energy's:

- Mains Design Instruction MDI 0044 'Easements and Property Tenure Rights'.
- Guide to Fencing, Retaining Walls and Maintenance Around Padmount Substations.

As previously advised the applicant will need to complete the connection of load process for the provision of electricity supply to the proposed development. Endeavour Energy's Network Connections Branch are responsible for managing the conditions of supply with the proponent and their Accredited Service Provider (ASP) and can be contacted via Head Office enquiries on business days from 9am - 4:30pm on telephone: 133 718 or (02) 9853 6666.

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.

Endeavour Energy is urging applicants /customers to engage with an Electrical Consultant / ASP prior to finalising plans to in order to assess and incorporate any required electricity infrastructure. In so doing the consideration can also be given to its impact on the other aspects of the proposed development. This can assist in avoiding the making of amendments to the plan or possibly the need to later seek modification of an approved development application.

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

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](mailto:property.development@endeavourenergy.com.au) is preferred.

With the COVID-19 health risk a significant number of Endeavour Energy staff are working from home. Access to emails and other internal stakeholders can accordingly be somewhat limited. As a result it may sometimes 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

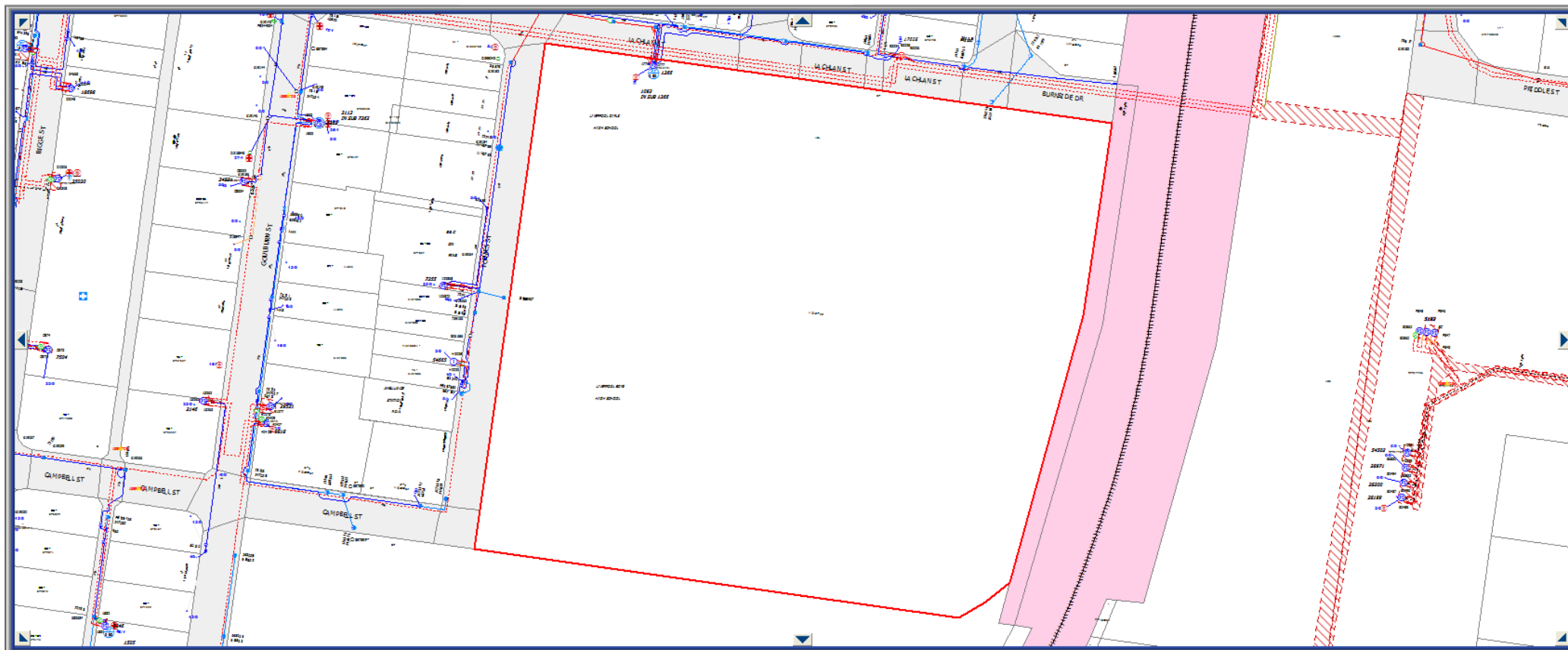
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51 Huntingwood Drive, Huntingwood NSW 2148

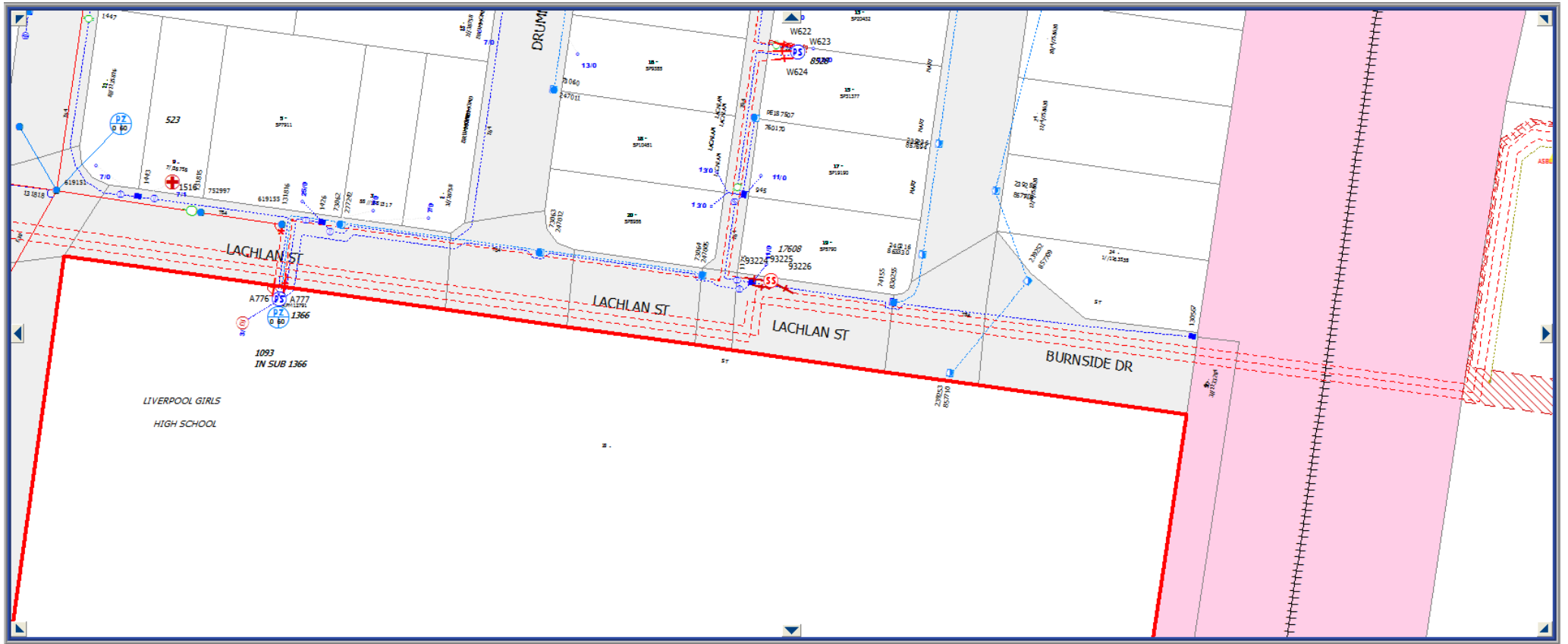
[www.endeavourenergy.com.au](http://www.endeavourenergy.com.au)





G3E_FID	Feature Name	Component Name	G3E_CID	G3E_ID	LOT	SECTION	DP
66669388	Crown Parcel	Crown Parcel Find	1	1960364	1		1137425

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 provisions of Part 5E 'Protection of underground electricity power lines' of the Electricity Supply Act 1995 (NSW).







The additional streetlights to intersection of Lachlan Street / Burnside Drive and Hart Street appears to be owned by NSW Health.

**From:** David Way <David.Way@planning.nsw.gov.au>  
**Sent:** Tuesday, 29 June 2021 3:30 PM  
**To:** Property Development <Property.Development@endeavourenergy.com.au>  
**Subject:** Request for Submission - New Liverpool Public School (SSD 10391)



Planning,  
Industry &  
Environment

Development Application Specialist  
Endeavour Energy

-via email-

[property.development@endeavourenergy.com.au](mailto:property.development@endeavourenergy.com.au)

Dear Mr Duba

The Department of Planning, Industry and Environment has received an Environmental Impact Statement (EIS) for the New Liverpool Primary School (SSD-10391).

The EIS will be publicly exhibited from **Tuesday 29 June 2021** to **Tuesday 27 July 2021**. All relevant documents may be viewed on the Department's website at: <https://www.planningportal.nsw.gov.au/major-projects/projects/on-exhibition> or <https://www.planningportal.nsw.gov.au/major-projects/project/25791>.

The Department invites you to advise on the proposal, including advice on recommended conditions by **Tuesday 27 July 2021**.

If you have any enquiries, please contact David Way on (02) 8275 1324 or via email at [david.way@planning.nsw.gov.au](mailto:david.way@planning.nsw.gov.au).

Kind regards

**David Way**  
Senior Planning Officer, Water and Intermodal Assessments

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Planning,  
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Environment

*The Department of Planning, Industry and Environment acknowledges that it stands on Aboriginal land. We acknowledge the traditional custodians of the land and we show our respect for elders past, present and emerging through thoughtful and collaborative approaches to our work, seeking to demonstrate our ongoing commitment to providing places in which Aboriginal people are included socially, culturally and economically.*