If a building becomes architecture, then it is art. Clearly, if a building is not functionally and technically in order, then it isn't architecture either – it's just a building.
Arne Jacobsen

Mechanical Engineering
Lighting Design
Sustainable Design
Electrical Engineering

Copenhagen
London
Sydney
Canberra
Hong Kong
New York

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BUILDING SERVICES

STEENSEN VARMING

New High School for Jordan Springs Electrical and Telecommunications Utility Infrastructure Assessment

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STEENSEN VARMING

Document Revision and Status

Date	Rev	Issue	Notes	Checked	Approved
01-11-2024	1	Draft	For Comment	IM	IM
22-11-2024	2	Final Draft	For Comment (report renamed to Infrastructure Management Plan and renumbered to E34)	IM	IM
13-12-2024	3	Final	Final	IM	IM
16-12-2024	4	Final	Final	IM	IM
18-12-2024	5	Final	Final	IM	IM

Sydney November 22nd, 2024
Ref. No. 237220 JSHS E34

Ivan Mira
Associate

ivan.mira@steensenvarming.com
9967 2200

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1.0 Preamble

1.1 Introduction

This 'Electrical and Telecommunications Utility Infrastructure Assessment' report has been prepared to accompany a Review of Environmental Factors (REF) for the Department of Education (DoE) for the construction and operation of a New High School for Jordan Springs (the activity) under Part 5 of the Environmental Planning and Assessment Act 1979 (EP&A Act) and State Environmental Planning Policy (Transport and Infrastructure) 2021 (SEPP TI).

This document has been prepared in accordance with the Guidelines for Division 5.1 assessments – Consideration of environmental factors for health services facilities and schools, October 2024 (the Guidelines) by the Department of Planning, Housing and Infrastructure.

This report examines and takes into account the relevant environmental factors in the Guidelines and *Environmental Planning and Assessment Regulations 2021* under Section 170, Section 171 and Section 171A of the EP&A Regulation as outlined in **Table 1.**

Table 1 – Summary of Relevant Section of the Part 5 Guidelines and EP&A Regulation

Regulation/ Guideline Section	Requirement	Response	Report Section
Guideline Section 3 Table 1 (n)	Any increased demands on resources (natural or otherwise) that are, or are likely to become, in short supply	Discussions have occurred with the relevant energy and telecommunications authorities to confirm there is sufficient capacity for the proposed activity	Sections 2 and 3

1.2 Documentation Review

The following plans/ reports identified in Table 2 have been reviewed to inform the assessment contained within this report:

Table 2 – Plans and Reports Reviewed

Discipline	Document Name	Revision	Date
Electrical	Steensen Varming Schematic electrical services design package	A	15/11/24

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1.3 Proposed Activity Description

The proposed activity for the construction and operation of a New High School for Jordan Springs is proposed to have a capacity of 1,000 students and 80 staff to meet forecast enrolment demand associated with population growth in Jordan Springs and Ropes Crossing. The school will provide permanent General Learning Spaces (GLS), Support Learning Spaces (SLS), staff facilities and a library across three (3), three storey buildings, a single storey hall, sports field, three (3) outdoor sport courts, 72 operational at grade parking spaces (including two (2) accessible spaces), 100 bicycle spaces and landscaping.

Public domain works and the permanent off-site OSD Basin are to be constructed by others under separate planning pathways.

1.4 Proposed Activity Scenarios

The project scope of works includes two (2) Scenarios, to allow construction and operation of the school, with (Scenario 1 – preferred option) or without (Scenario 2 – Interim Solution) the public domain works and permanent off-site basin being constructed by others under a separate planning pathway.

1.4.1 Scenario 1 – Preferred Option - Road Network completed and permanent OSD Basin Constructed

External works undertaken by others to facilitate Scenario 1

- Construction of Park Edge Road;
- Any adjustments to Infantry Street;
- Kiss and drop zone along Park Edge Road;
- Support kiss and drop zone located along Infantry Street; and
- Construction and operation of permanent OSD Basin off site.

Note – Scenario 1 is not to proceed if external works undertaken by others is not completed.

Scenario 1

- Construction and Operation of the New High School for Jordan Springs, including:
    - Decommissioning of existing on-site OSD basin;
    - Demolition of roads and associated services within the site boundary;
    - Tree removal within the site boundary
    - Earthworks;
    - Three (3) multi-storey classroom buildings;
    - One (1) school hall;
    - Three (3) outdoor sport's courts;
    - One (1) sport's field;

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- 72 at grade car parking spaces, including two (2) accessible parking spaces, and waste services, accessed via Park Edge Road;
- 100 bicycle parking spaces across; and
- Landscaping.

1.4.2 Scenario 2 - Interim Solution – Road network not completed, Permanent OSD Basin not constructed

Scenario 2 - Stage 1

- Construction and operation of a temporary on-site OSD Basin
- Construction and Operation of the New High School for Jordan Springs, including
  - Demolition of roads and associated services within the site boundary;
  - Tree removal within the site boundary
  - Earthworks;
  - Three (3) multi-storey classroom buildings;
  - One (1) sport's field;
  - Temporary carpark - 72 at grade car parking spaces, including two (2) accessible parking spaces and waste services, located on the northwest corner of the site, accessed off Armoury Road;
  - 100 bicycle parking spaces across;
  - Temporary Kiss and drop facilities on Armoury Road; and
  - Associated landscaping.

Scenario 2 - Stage 2

Stage 2 is not to be undertaken until the temporary OSD basin under stage 1 works is completed and operational.

- Decommissioning of existing on-site OSD basin, prior to the following works being undertaken:
  - 72 at grade car parking spaces, including two (2) accessible parking spaces, and waste services, located on the southeast corner of the site. This car park cannot be constructed until the decommissioning of the existing OSD basin is completed and will be non-operational with no road connection until completion of Scenario 2 – Stage 3;
  - One (1) school hall;
  - Three (3) outdoor sport's courts; and
  - Associated landscaping.

External works undertaken by others to facilitate Stage 3

- Construction of Park Edge Road;
- Any adjustments to Infantry Street;
- Kiss and drop zone along Park Edge Road;
- Support drop off zone located along Infantry Street; and
- Construction and operation of OSD Basin off site.

Note – Scenario 2 - Stage 3 is not to proceed until the external works undertaken by others have been completed.

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Scenario 2 - Stage 3

- Connection of the southeast carpark to Park Edge Road;
- Rectification works along Armoury Road to remove temporary kiss and drop facilities and cross over for temporary carpark;
- Demolition of temporary carpark, once permanent car park is operational; and
- Decommissioning of temporary OSD basin.

1.5 Activity Site

The project site is located on the corner of Armoury Road and Infantry Street in Jordan Springs and is legally described as part of Lots 2 and 3 in DP 1248480.

Figure 1 provides an aerial photograph of the project site, outlines the boundaries of the project site (in red) and the boundaries of Lots 2 and 3 in DP 1248480 (in blue).

Figure 1: Aerial Photograph

The project site is within the Central Precinct of the St Mary's Release Area in the Penrith Local Government Area.

1.6 Other Approvals

External works and construction of the off-site OSD Basin are to be constructed by others.

2.0 Electricity

2.1 Description of Works

The Jordan Springs High School will be constructed on the site at the address noted in section 1.0 of this report.

Steensen Varming has consulted with a level 3 consultant to complete a desktop study of incoming power supply options for the new school as well as submitting an application for connection to Endeavour Energy for the proposed new high school. A supply offer from Endeavour Energy has been received for the new school confirming that a level 3 designer needs to be engaged to confirm the supply methodology for the new school. Endeavour Energy has not indicated that there would be any issues in providing the required power provisions to the new high school.

The New High School for Jordan Springs is proposed to be provided with one 1000kVA kiosk transformers to satisfy the anticipated maximum demand for the 1000 student school. The maximum demand for the school has been calculated at 960kVA. The desktop study by our level 3 consultant suggests that there should be sufficient capacity in the area to accomodate the proposed load. It should be noted that load is not allocated/reserved for our site by the Endeavour Energy until a methodology of supply is submitted by a level 3 designer which is then reviewed/accepted by Endeavour Energy through the issue of a design brief.

Refer to the supply offer from Endeavour Energy in Appendix A of this report. We note that the supply offer diagram of the site does not identify the two lots for the proposed school however for the purposes of the connection application it is sufficient as it identifies the location with respect to Endeavour Energy's high voltage network.

3.0 Telecommunications

3.1 Description of Works

There is no existing operational telecommunications services to the New High School for Jordan Springs.

The proposal for the Jordan Springs High School is to establish a new main commuications room on ground floor which will service the new school and that a new incoming telecommunications services will be established to this room and distributed to the rest of the school.

The submission of the formal application for telecommunication services is completed by the Department of Education's Information Technology Directorate (ITD). A desktop study for the site has been completed by Telstra which has confirmed the required works to obtain an enterprise level connection at the new high school. A copy of this desktop study is provided in appendix B of this report.

Based on the NBNCo website, the area is not serviced by the NBN network, OptiComm delivers a fibre network to the area which will need to be used to deliver traditional phone services. The below screenshot is direct from the NBNCo website (https://www.nbnco.com.au/)

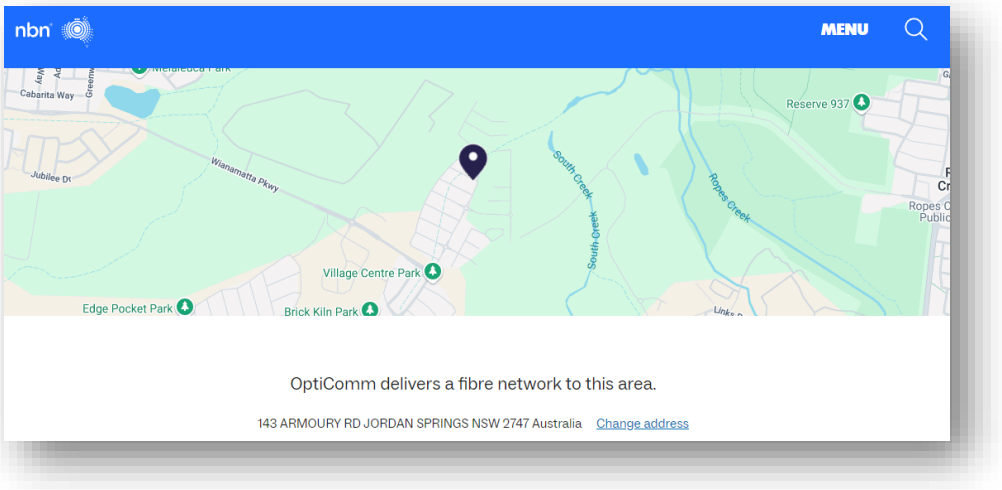

Figure. NBNCo website confirmation of service

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4.0 Mitigation Measures

No specific mitigation measures are deemed necessary due to the works required to the electricity network as a result of the activity. The consultation with Endeavour Energy thus far and subsequent supply offer received from the authority indicate there should be no issues in obtaining the necessary power supply to the school.

No specific mitigation measures are deemed necessary due to the works required to the telecommunications network as a result of the activity.

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5.0 Evaluation of Environmental Impacts

As per section 4, we are of the opinion that no mitigating measures are required for the activity relevant to this report. The works are not considered to be of a significant impact nor do they have an impact on the Environmental Factors outlined in section 3 of the Guidelines for Division 5.1 assessments guidelines.

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6.0 Appendix A – Endeavour Energy Supply Offer

Endeavour Energy
ABN 11 247 365 823
T 131 003
Level 40-42, 8 Parramatta Square
10 Darcy Street
Parramatta NSW 2150
PO Box 811, Seven Hills NSW 1730

14 October, 2024

New Connections

ULL3675

Site Details

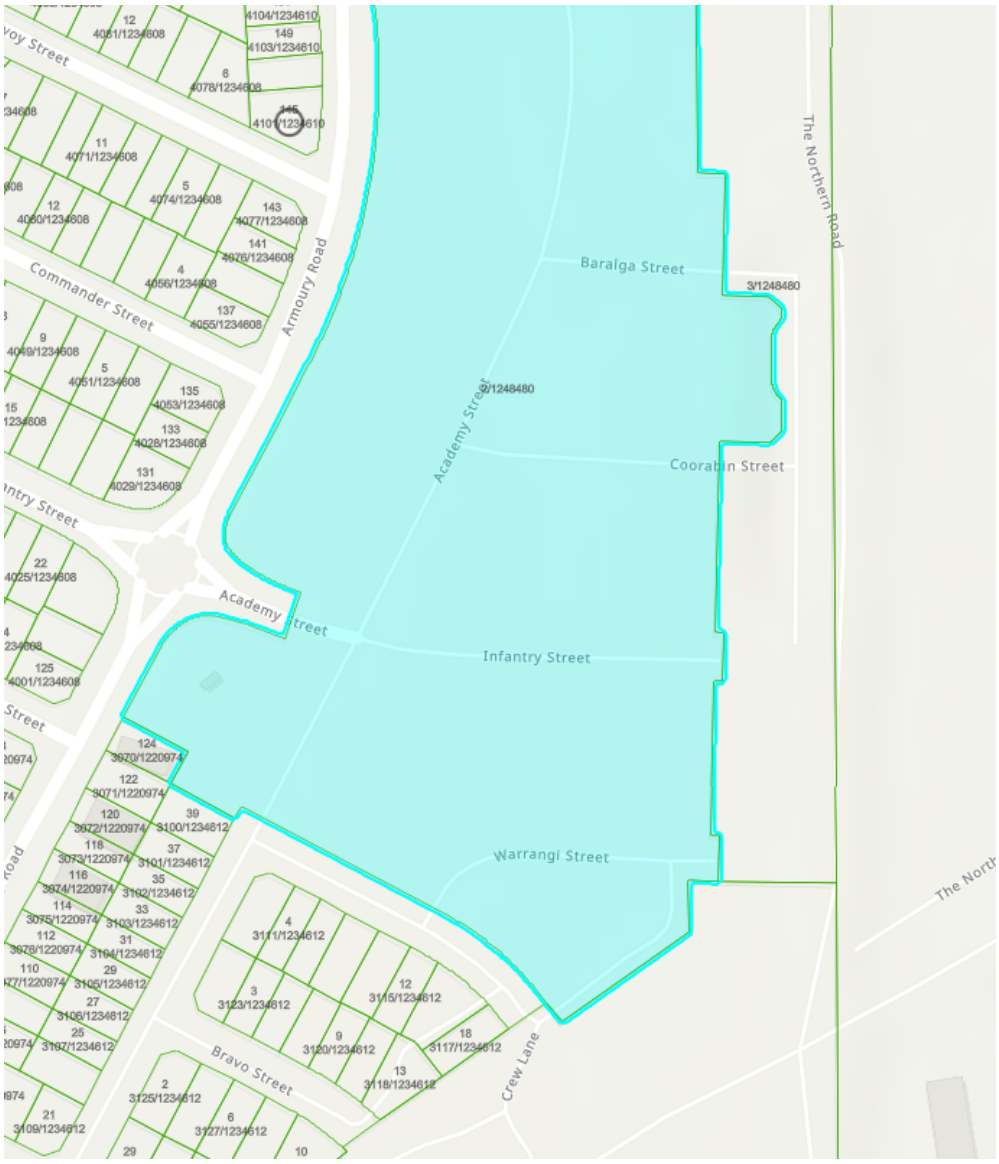
LGA Name	PENRITH

Main Address	Address	Lot	Section	DP	Part Lot
☑	INFANTRY STREET, JORDAN SPRINGS, New South Wales, 2747	2		1248480	☐

Endeavour Energy
ABN 11 247 365 823

T 131 003

Level 40-42, 8 Parramatta Square
10 Darcy Street
Parramatta NSW 2150
PO Box 811, Seven Hills NSW 1730



POWER together

Endeavour Energy
ABN 11 247 365 823
T 131 003
Level 40-42, 8 Parramatta Square
10 Darcy Street
Parramatta NSW 2150
PO Box 811, Seven Hills NSW 1730

Application Details

Type of Connection	New Permanent Connection
Type of Development	Government
Connection Date	30/09/2025

Load Details

Select Phase	Three Phase

	Phase A	Phase B	Phase C
Existing Load	0 Amps	0 Amps	0 Amps
Removed Load	0 Amps	0 Amps	0 Amps
New Load	2,800 Amps	2,800 Amps	2,800 Amps
Total	2,800 Amps	2,800 Amps	2,800 Amps

NMI Info

NMI	Status	Comments
No items		

Reason for NMI unavailability	New Connection

Additional Application Details	It is proposed that the new high school will be serviced by 2 x 1000kVA transformers located indicatively on the concept design site plan.

Endeavour Energy
ABN 11 247 365 823
T 131 003
Level 40-42, 8 Parramatta Square
10 Darcy Street
Parramatta NSW 2150
PO Box 811, Seven Hills NSW 1730

Supporting Documents

Maximum Demand.PNG 15h ago Jordan Springs HS_SitePlan.pdf 15h ago	
☑ Site Plan	
Reason for Required Documents Unavailable	Concept design stage max demand assessment

Contact Details

Applicant	☑
Contact Name	Richard Hopkins
Company Name	Steensen Varming
Contact Number	0299672200
Email	richard.hopkins@steensenvarming.com
Address	Castlereagh Street,Sydney NSW,2000

Developer	☑
Contact Name	Richard Hopkins
Company Name	Steensen Varming
Contact Number	0299672200
Email	richard.hopkins@steensenvarming.com
Address	Castlereagh Street,Sydney NSW,2000

Have you engaged an Accredited Service Provider associated with this application?
No

Endeavour Energy
ABN 11 247 365 823
T 131 003
Level 40-42, 8 Parramatta Square
10 Darcy Street
Parramatta NSW 2150
PO Box 811, Seven Hills NSW 1730

Legal Disclaimer

By submitting this application, as the Applicant you agree to the following:

1. I have read and understood the terms of Endeavour Energy's Model Standard Offers as published on our website (**www.endeavourenergy.com.au**).

2. I am requesting an expedited connection as per the terms contained within the applicable Model Standing Offer and am doing so on the basis that I am:

a) the owner of the premises for which the expedited connection is requested or
b) a person who is expressly authorised to make the request by or on behalf of the owner of that premises.

3. If Endeavour Energy is satisfied that the service requested by me falls within the terms of Endeavour Energy's Model Standing Offers, then I will have taken to have accepted a connection offer by Endeavour Energy on the terms of the relevant Model Standing Offer on the date that Endeavour Energy receives this application.

4. I consent to the release of my contact details to other customers with similar works in progress nearby to facilitate co-operation in design and construction activities.

5. I accept that all correspondence relating to my application will be sent to my nominated email address.

If you need to discuss any of the above points, please contact us at **Customer Network Solutions** on **02 9853 7977** or email **cwadmin@endeavourenergy.com.au**

☑ Applicant Acceptance of the above agreement

Endeavour Energy
ABN 11 247 365 823
T 133 718
Level 40-42, 8 Parramatta Square
10 Darcy Street
Parramatta NSW 2150
PO Box 811, Seven Hills NSW 1730

Standard Connection Offer

21 October 2024

Endeavour Energy Ref: ULL3675

Richard Hopkins
Steensen Varming
Sydney NSW 2000

ULL3675 – LOT 2, DP 1248480, Connection of Load Application: INFANTRY STREET, JORDAN SPRINGS

Thank you for your application for Endeavour Energy to provide connection services in respect of the proposed development at the above location ("**Proposed Development**"). Your application for connection services in respect of the Proposed Development ("**Connection Application**") has been registered under the above reference number. Please quote this reference number on all future correspondence relating to the Connection Application.

Endeavour Energy has completed a preliminary desk top assessment of the information provided in the Connection Application and is pleased to make the Supply Offer enclosed with this letter. The enclosed Supply Offer is to provide standard connection services for the Proposed Development in accordance with the terms and conditions of Endeavour Energy's Model Standing Offer for a Standard Connection Service ("**Connection Offer**"). A copy of Endeavour Energy's Model Standing Offer for a Standard Connection Service is available on our website at https://www.endeavourenergy.com.au/connections/connection-contracts-and-fees.

Supply Offer

The enclosed Supply Offer forms part of this Connection Offer and it will assist your Level 3 Accredited Service Provider (ASP) to develop the most efficient design solution to meet your needs. Some general requirements that will need to be addressed by your nominated Level 3 ASP includes, but is not limited to:

- Field visit to verify physical site details
- Details of new and existing assets, including quantities
- Substation location, HV switchgear and earthing details
- Construction methods and isolation point requirements.
- Asset Valuation
- Environmental Assessment (Summary Environmental Report)

A sketch of the proposed design utilising our Geographic Information System (GIS) as a base must be returned with the above information.

This Supply Offer is part of the Connection Offer for a Standard Connection Service and is valid for three (3) months from the date of issue.

Where this Connection Offer has lapsed, you or your Level 3 ASP must contact Endeavour Energy with the request to extend the Connection Offer. Endeavour Energy will assess your request and will inform you of the outcome. It must be recognised that the network is being constantly extended/augmented as new customers get connected. This means that for your Connection Offer to be extended, your Supply Offer may require alteration. If this is the case, additional fees to cover administrative costs may apply.

Payment of design related ancillary network services.

Ancillary Network Services (ANS) are the main connection services we provide to customers for which ANS fees are payable. ANS include our interactions with ASPs to ensure that the contestable network services they provide, meet the design and technical requirements to be connected to and form part of our network.

The design related ANS fees payable for this project will be sent to you with a Design Brief. Payment of Design related ANS fees must be made before we can accept your L3 ASP design submission and commence design checking.

Please note that further ANS fees will also apply for the construction and connection phase of the project. These fees will be conveyed to you after the receipt of a signed Letter of Intent indicating that you will proceed with the construction phase of the project. We may also amend or charge you further ANS fees if your application details or project scope changes.

Accepting this Connection Offer

To accept this Connection Offer, please:

a) appoint a Level 3 Accredited Service Provider (ASP);
b) confirm your appointed Level 3 ASP contact details in the attached Notice of Advice form; and
c) complete and sign the Notice of Advice form yourself and return it to Endeavour Energy.

A list of the Accredited Service Providers is available at the Energy NSW website: https://energysaver.nsw.gov.au/households/you-and-energy-providers/installing-or-altering-your-electricity-service or can be obtained via phone on 13 77 88.

If you accept this Connection Offer, a connection contract will be formed between Endeavour Energy and the retail customer or real estate developer who requires the connection services for the Proposed Development ("**Developer**") on and from the date that Endeavour Energy receives the completed Notice of Advice form. The connection contract will be on the terms and conditions of the Supply Offer and Model Standing Offer for a Standard Connection Service.

If you accept this Connection Offer and you are not the Developer, you will be accepting this Connection Offer as the Developer's authorised agent.

Next steps

Your next step after accepting this Connection Offer is to engage your Level 3 ASP to prepare and provide an electrical design to Endeavour Energy in the form of a Proposed Method of Supply. Under the Model Standing Offer for a Standard Connection Service, this activity is "Customer Funded Contestable Work", and you will need to pay for it.

Please note under the National Electricity Rules (NER) the Connection Customer may choose to enter into a negotiated connection contract. A negotiation framework describing this process is available on our website at https://www.endeavourenergy.com.au/your-energy/our-services/your-right-to-negotiate.

Should you have any enquiries regarding your application please contact the undersigned, who has been appointed as Endeavour Energy's representative for the purposes of this Connection Offer.

Yours faithfully,

Eugene Lorenzo
Customer Network Engineer
Ph: 02 9853 7909
Email: CWTech@endeavourenergy.com.au

Enclosed:

1. Supply Offer
2. Initial Funding Arrangements
3. Notice of Advice – to be completed and returned when you have engaged your L3 ASP

Supply Offer

(Based on desktop assessment)

21 October 2024

Endeavour Energy Reference: ULL3675

Development Details & Applicant's Assessed Load:	This application is for a new high school at Infantry Street Jordan Springs. The site is located where there appears to be existing HV feeder reticulated in Armoury Road and Infantry St.
Endeavour Energy Assessed Load:	The requested load is 2800A/phase based on 80VA/m2.
Connection Options:	Please engage a L3 ASP (Accredited Service Provider) to submit a method of supply for the development. A copy of a more detailed maximum demand is to be submitted as part of the Method of Supply for us to consider the requested load of 2800A/phase. The requested load is 2800A/phase based on 80VA/m2. However, based on the site plan, majority of the site is the outdoor areas including sport courts, carpark and asseymbly area. Endeavour Energy has assessed that new substations will need to be installed to provide LV supply for the development. All works associated with the establishment and installation of the new substation will be funded by the customer. The linkage point for the new substation will be determined in the Design Brief stage once the substation locations are established as part of the method of supply submission. But the closest HV feeder in the area is JS1222 from Jordan Springs ZS. The scope and works is to be undertaken in accordance with the Endeavour Energy's Connection Policy and must comply with all the latest relevant policies, regulations and network standards. All service works are to comply with the requirements of the NSW service and Installations Rules.

Initial Funding Arrangements

21 October 2024

Endeavour Energy Reference: ULL3675

Endeavour Energy Supplied Materials:	Nil
Endeavour Energy Funded and Constructed:	Nil
Endeavour Energy Funded and Level1 ASP Constructed – Reimbursement Paid by Endeavour Energy	Nil
Reimbursement to be paid to Endeavour Energy by Customer:	Nil
Customer Funded Monopoly Services:	Network switching, commissioning, contractor inspection, ancillary fees, etc.
Customer Funded Contestable Works:	All other works required

Steensen Varming
Richard Hopkins

Sydney NSW 2000

Notice of Advice

[Insert date here]

Endeavour Energy Ref: ULL3675

Endeavour Energy
PO Box 811
Seven Hills NSW 1730
cwadmin@endeavourenergy.com.au

Attention: Customer Connections Administrator

APPOINTMENT OF ACCREDITED DESIGNER FOR THE PROPOSED DEVELOPMENT AT: *LOT 2, DP 1248480, INFANTRY STREET, JORDAN SPRINGS* ("PROPOSED DEVELOPMENT")

Please complete and return this letter when a Level 3 ASP has been appointed

I refer to Endeavour Energy's offer to provide standard connection services in respect of the Proposed Development ("**Connection Offer**").

This letter confirms that:

a) the retail customer or real estate developer for the Proposed Development ("**Developer**") owns, or is developing, the land on which the Proposed Development is to be located;
b) the Developer intends to supply the Proposed Development in accordance with Endeavour Energy's requirements;
c)the Developer has appointed the Level 3 Accredited Service Provider ("**Level 3 ASP**") described below for the purposes of the Proposed Development; and
d) the Developer agrees to acquire standard connection services from Endeavour Energy in respect of the Proposed Development on the terms and conditions set out in the Connection Offer.

Confirmation of Key Contacts:

(1) Applicant	
Company/Name:	Steensen Varming Richard Hopkins
Address:	Sydney NSW 2000
Email:	richard.hopkins@steensenvarming.com
Phone:	0299672200

(2) Developer

Company/Name:	Steensen Varming Richard Hopkins
Address:	 Sydney NSW 2000
Email:	richard.hopkins@steensenvarming.com
Phone:	0299672200

(3) L3 ASP *(if you did not nominate a Level 3 ASP in your initial application, please do so below)*	
Company/Name:	
Address:	
Email:	
Phone:	

Please ensure all fields above are completed.

The Fees will be Paid to Endeavour Energy by*:

(*Please check only one responsible party in relevant check box below)

☐ Applicant ☐ Developer ☐ Level 3 ASP

Notice of Advice Execution and Acceptance of Connection Offer:

By signing this Notice of Advice, I accept the Connection Offer made by Endeavour Energy in respect of the Proposed Development, including the terms and conditions of Endeavour Energy's Model Standing Offer for a Standard Connection Service.

Where I am accepting the Connection Offer on behalf of the Developer, I declare that:

a) I have the authority to execute this Notice of Advice and accept the Connection Offer on their behalf; and
b) I am not aware of any fact or circumstance that might affect my authority to execute this Notice of Advice and accept the Connection Offer on their behalf.

Developer/ Developer's Authorised Agent:

Signature of Developer/Developer's Authorised Agent	Name of Developer/Developer's Authorised Agent
Date	Company Name

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Sydney, NSW, 2000, Australia
ABN 50 001 189 037
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7.0 Appendix B – Telstra Desktop Study Correspondence

Ivan Mira

From: Elise Harrison <elise.harrison@tsariley.au>
Sent: Tuesday, 20 August 2024 3:03 PM
To: Ivan Mira; Richard Hopkins; Alan Sharkey
Cc: Luis Fornes; Mathew Romanous; Karl Norris-Johnson; Emily Doyle
Subject: FW: Telstra Lead in coordinates for Jordan Springs and Schofields/Tallawong High Schools [TSA-P.10006.PR-007073]

Categories: 237220 - JSHS

Hi Ivan,

We have received Telstra's feasibility for Jordan Springs HS & Schofields/Tallawong HS, refer to Rukshy's email below.

Telstra have provided the approx. location for the new Pit and further details for the lead-in. Can you please review and/ orcomment and advise if you require any additional detail to complete your electrical designs.

Kind Regards,

Elise Harrison
Project Manager

TSA Riley

E: elise.harrison@tsariley.au
O: +61 2 9276 1400
M: +61 414 207 932
www.tsariley.com

From: Rukshy Qamar <Rukshy.Qamar@det.nsw.edu.au>
Sent: Tuesday, August 20, 2024 1:57 PM
To: Luis Fornes <luis.fornes@tsariley.au>; Kerry Northcott <Kerry.Northcott@det.nsw.edu.au>; Mathew Romanous <mathew.romanous@tsariley.au>
Cc: Elise Harrison <elise.harrison@tsariley.au>; Karl Norris-Johnson <karl.norrisjohnson@tsariley.au>; Joanna Hole <Joanna.Hole@det.nsw.edu.au>; Emma Murray <Emma.Murray42@det.nsw.edu.au>; Emily Doyle <emily.doyle@tsariley.au>
Subject: RE: Telstra Lead in coordinates for Jordan Springs and Schofields/Tallawong High Schools [TSA-P.10085.PR-002475.FID981372]

Hi Mathew,

Please see below further details from the completed feasibility for **Jordan Spring High School.**

In the details below, they have provided the approx. location for the new Pit and further details for the lead-in.

Once you have had time to review the below, please let me know if there are any further details you need, and I can go back to the Telstra team who completed the feasibility.

Customer Summary: "Indicative construction Enterprise Works price is $448,000 ex GST. This price can be released to the customer.
To confirm the solution and obtain a firm price, a Detailed Feasibility Study (DFS) is required to be undertaken by Telstra.
Firm price to conduct a site visit $3775 ex GST. This price can be released to the customer.
This DFS likely includes a site visit to confirm the solution and provide a total firm price.
The price for the DFS will be deducted from the finalised price if the customer proceeds to Construction within 6 months of executing the DFS Letter Agreement.
The above pricing has a validity of 90 days from the date of issue.
This price does not include any CW for a new lead-in or FFS costs for internal building works which may apply and will either be determined at time of order or through a customer funded site visit.

Access solution: The following are the works required from the nearest Telstra access point to the customer boundary.

Total fibre haul (m): 1700

Total buried fibre (m): 0

Total conduit (m): #1600

Due to high level build, solution requires a significant amount of new fibre haul, (civils) conduit and pits install, actual scope would need to be confirmed with a site assessment. Cost is indicative and may vary considerably. Customer in-building fibre haul /lead-in conduit not costed/not included. Indicative construction Enterprise Works price is $448,000 ex GST. This price can be released to the customer. To confirm the solution and obtain a firm price, a Detailed Feasibility Study (DFS) is required to be undertaken by Telstra. Firm price to conduct a site visit $3775 ex GST. This price can be released to the customer. This DFS likely includes a site visit to confirm the solution and provide a total firm price. The price for the DFS will be deducted from the finalised price if the customer proceeds to Construction within 6 months of executing the DFS Letter Agreement. The above pricing has a validity of 90 days from the date of issue. This price does not include any CW for a new lead-in or FFS costs for internal building works which may apply and will either be determined at time of order or through a customer funded site visit. FR-94064: Fibre (Indicative) - SAT recommended This is a no obligation estimate provided for budgetary purposes only. A Detailed Feasibility would be required to confirm costs, determine the practicality of the proposed solutions and to provide a firm cost. Upfront cost required. Site Survey recommended: (long haul, civils, no network, possible 3PPP or Other Carrier conduits) Proposed lead-in is new 5 pit at approx. Co-ords -33.7309878,150.75597613 Install approx 1700m of Fibre – 1.3km 36F, 400m 12F to SDP. Haul - F CNBK 3001 from CNBK:CC. Install 1600m Conduit- 500m trench, 1100m bore - (trees, driveways, footpath, roadcrossing enroute) Indicative Trench 500m and Bore 1100m B/O lift/lay paving for trenching required - 7sqm New lead-in conduit may be required. This can be quoted and installed as part of a service order. The trench required for a new lead-in conduit is considered contestable work. External splicing required at FAPS CNBK:CC Install 14 x Pits en route (2x P5, 12x P6) Install 4 x FAPs en route Install additional as required Installation route from manhole outside mobile hut on Lakeside Pde / Wianamatta Pkwy heading southwest along Wianamatta Pkwy. Continue north along Armoury Rd to the proposed lead-in. IEN - Use F PNTH 1004 // CNBK:YY-PNTH:YY-001 Total 1.1 dB Loss added, 1.1dB for Each Intermediate Exchange. Install a Customer Optic

Fibre Termination Unit (COFTU). Traffic Management costs applied. Lateral Benefit Applied - Cable size increase

Regards,
Rukshy

From: Luis Fornes <luis.fornes@tsariley.au>
Sent: Wednesday, August 14, 2024 11:16 AM
To: Kerry Northcott <Kerry.Northcott@det.nsw.edu.au>; Mathew Romanous <mathew.romanous@tsariley.au>; Rukshy Qamar <Rukshy.Qamar@det.nsw.edu.au>
Cc: Elise Harrison <elise.harrison@tsariley.au>; Karl Norris-Johnson <karl.norrisjohnson@tsariley.au>; Joanna Hole <Joanna.Hole@det.nsw.edu.au>; Emma Murray <Emma.Murray42@det.nsw.edu.au>; Emily Doyle <emily.doyle@tsariley.au>
Subject: RE: Telstra Lead in coordinates for Jordan Springs and Schofields/Tallawong High Schools [TSA-P.10085.PR-002475.FID981372]

Kerry,

Thank you.

Regards,

Luis Fornes
Senior Project Manager

TSA Riley

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TSA Riley acknowledges the Aboriginal and Torres Strait Islander peoples of Australia, the Traditional Owners of the lands and waters where our team live and work. We pay ou

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From: Kerry Northcott <Kerry.Northcott@det.nsw.edu.au>
Sent: Wednesday, August 14, 2024 10:58 AM
To: Luis Fornes <luis.fornes@tsariley.au>; Mathew Romanous <mathew.romanous@tsariley.au>; Rukshy Qamar <Rukshy.Qamar@det.nsw.edu.au>
Cc: Elise Harrison <elise.harrison@tsariley.au>; Karl Norris-Johnson <karl.norrisjohnson@tsariley.au>; Joanna Hole