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Arne Jacobsen

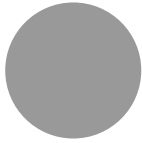
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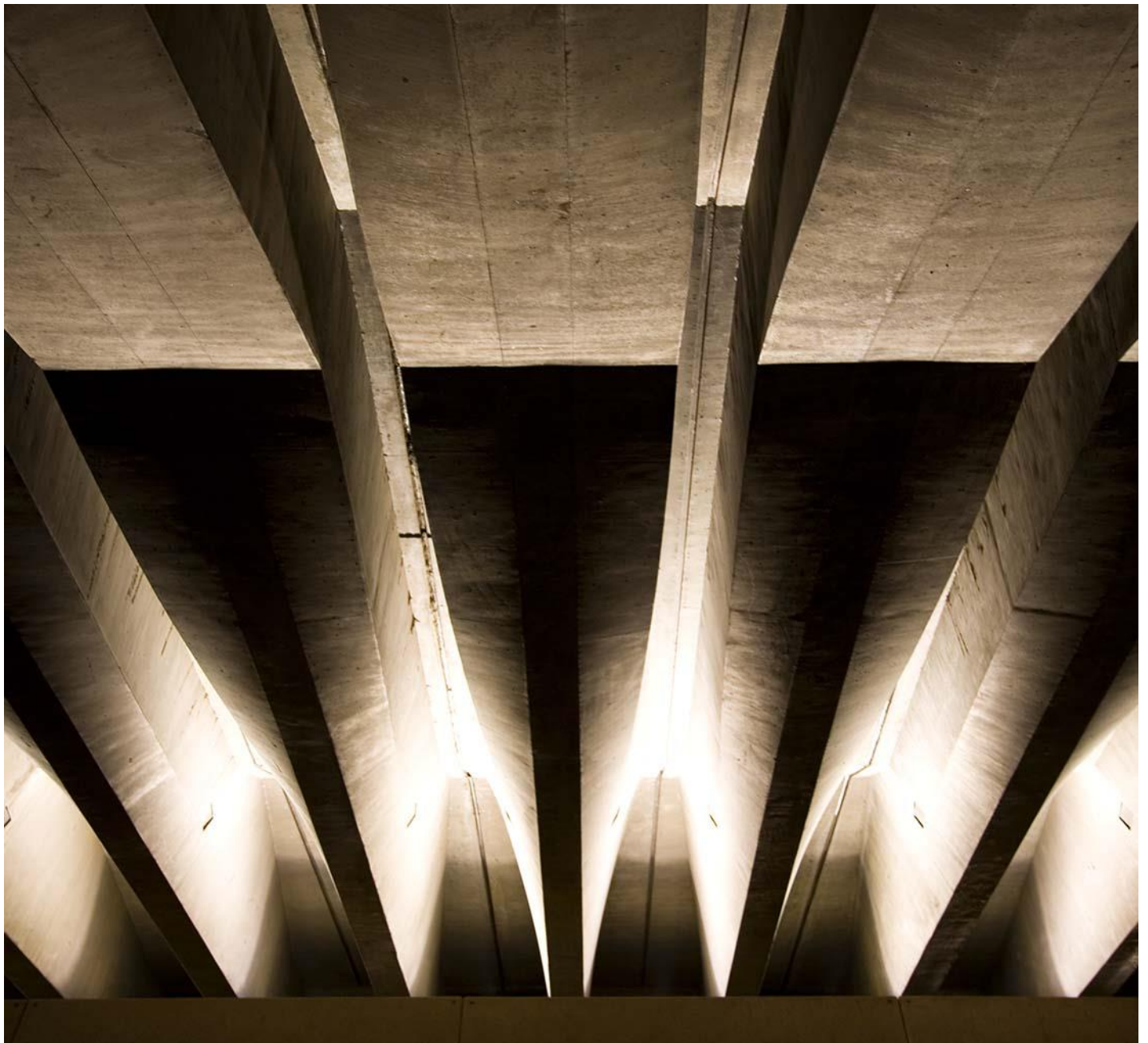
BUILDING SERVICES

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New High School for Schofields and Tallawong

Electrical and Telecommunications Utility Infrastructure Report



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Date	Rev	Issue	Notes	Checked	Approved
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19-12-2024	3	Final	Final	IM	IM
09-01-2025	4	Final	Final	IM	IM
21-01-2025	5	Final	Final	IM	IM
13-02-2025	6	Final	Final	IM	IM

Ivan Mira
Associate

ivan.mira@steensenvarming.com
9967 2200

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1.0 Introduction

1.1 Proponent

The Department of Education (DoE) is the proponent and determining authority pursuant to Section 5.1 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

1.2 Introduction

This 'Electrical and Telecommunications Utility Infrastructure Assessment' report has been prepared to support a Review of Environmental Factors (REF) for the Department of Education (DoE) for the construction and operation of the new Schofields - Tallawong High School (the activity).

The purpose of the REF is to assess the potential environmental impacts of the activity prescribed by *State Environmental Planning Policy (Transport and Infrastructure) 2021* (T&I SEPP) as "development permitted without consent" on land carried out by or on behalf of a public authority under Part 5 of the *Environmental Planning and Assessment Act 1979* (EP&A Act). The activity is to be undertaken pursuant to Chapter 3, Part 3.4, Section 3.37A of the T&I SEPP.

This document has been prepared in accordance with the *Guidelines for Division 5.1 assessments* (the Guidelines) by the Department of Planning, Housing and Infrastructure (DPHI). The purpose of this report is to identify the any environmental impacts of the project due to the works related to the electrical and telecommunications.

1.3 Site Description

The site is known as 201 Guntawong Road, Tallawong, NSW, 2762 (the site), and is legally described as part of Lot 1 in Deposited Plan 1283186. The site is located at the corner of Guntawong Road and Clarke Street, Tallawong and is approximately 4 hectares in area. The site has an approximately 100-metre-long frontage to Guntawong Road along its northern boundary. Nirmal Street provides a partial frontage along the eastern boundary of the site with plans to extend Nirmal Street to provide a future connection to Guntawong Road.

The site is predominantly cleared land and consists of grassland with several patches of remnant native vegetation particularly within the northern portion of the site. As a result of precinct wide rezonings, the surrounding locality is currently transitioning from a semi-rural residential area to a highly urbanised area with new low to medium density residential development with supporting services. The site is located approximately 1.5km to the north west of Tallawong Metro Station and is also serviced by an existing bus stop along Guntawong Road.

Figure 1 below provides an aerial image of the site.

Figure 1 Aerial Photograph of Site



Source: Urbis, 2024

1.4 Proposed Activity Description

The proposed activity is for the construction and operation of a new high school known as Schofields - Tallawong High School. The new high school will accommodate up to 1,000 students. The school will provide 49 permanent teaching spaces (PTS), and 3 support teaching spaces (STS) across three buildings.

The buildings will be three-storey in height and will include teaching spaces, specialist learning hubs, a library, administrative areas and a staff hub. Additional core facilities are also proposed including a standalone school hall, a carpark, a pick up and drop off zone along Nirmal Street, two sports courts and a sports field.

Specifically, the proposal involves the following:

- Three learning hubs (three-storeys in height) accommodating 49 general teaching spaces and 3 support learning units (SLUs).
- Other core facilities including amenities, library, staff hub and administrative areas.
- Standalone school hall.
- Separate carpark with 72 spaces.
- Kiss and drop zone along Nirmal Street.
- Open play space including sports courts and sports field.
- Public domain works.

The proposed site access arrangements are as follows:

- Main pedestrian entrance to be located off Nirmal Street.

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- Kiss and drop zone proposed along Nirmal Street.
- Onsite parking access via Nirmal Street.

Figure 2 provides an extract of the proposed site plan.

Figure 2 Proposed Site Plan



Source: djrd Architects, 2025

1.5 Authority Consultation

Endeavour Energy has been consulted during the design stage in relation to power requirements for the proposed school. An application for connection has been submitted by Steensen Varming and a supply offer has been received from Endeavour Energy confirming sufficient capacity in the network.

DoE ICT has consulted with Telstra on behalf of the project to understand the scope required to establish an enterprise connection to the proposed school. Telstra has confirmed where the enterprise connection will originate and the entry point to the school.

2.0 Electricity

2.1 Description of Works

The Schofields Tallawong 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.

Schofields Tallawong High School is proposed to be provided with one 1500kVA kiosk transformer to satisfy the anticipated maximum demand for the 1000 student school. The maximum demand for the school has been calculated at 1116kVA. The desktop study by our level 3 consultant suggests that there should be sufficient capacity in the area to accommodate 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 correspondence from Endeavour Energy in Appendix A refers to 2 transformers being provided while only 1 transformer will be established with space for a future transformer. This is due to the formal application to Endeavour Energy being submitted prior to the decision to only document stage 1 of the proposed overall school. The correspondence however remains relevant as it still confirms the availability of capacity in the network for the new high school.

2.2 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 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.

3.0 Telecommunications

3.1 Description of Works

Based on the dial before you dig results, there are existing telecommunications services near the proposed school site. Any telecommunications services that run into the school site will be isolated and demolished as part of the works.

The proposal for the Schofields Tallawong High School is to establish a new main communications 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 serviced by the NBN network and a new connection to the school can be established. The below screenshot is direct from the NBNCo website (<https://www.nbnco.com.au/>)

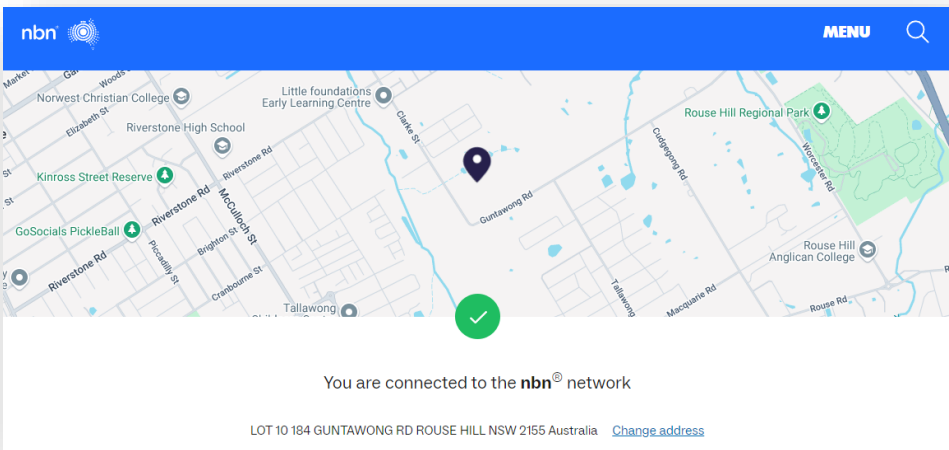


Figure. NBNCo website confirmation of service

3.2 Mitigation Measures

No specific mitigation measures are deemed necessary due to the works required to the telecommunications network as a result of the activity. 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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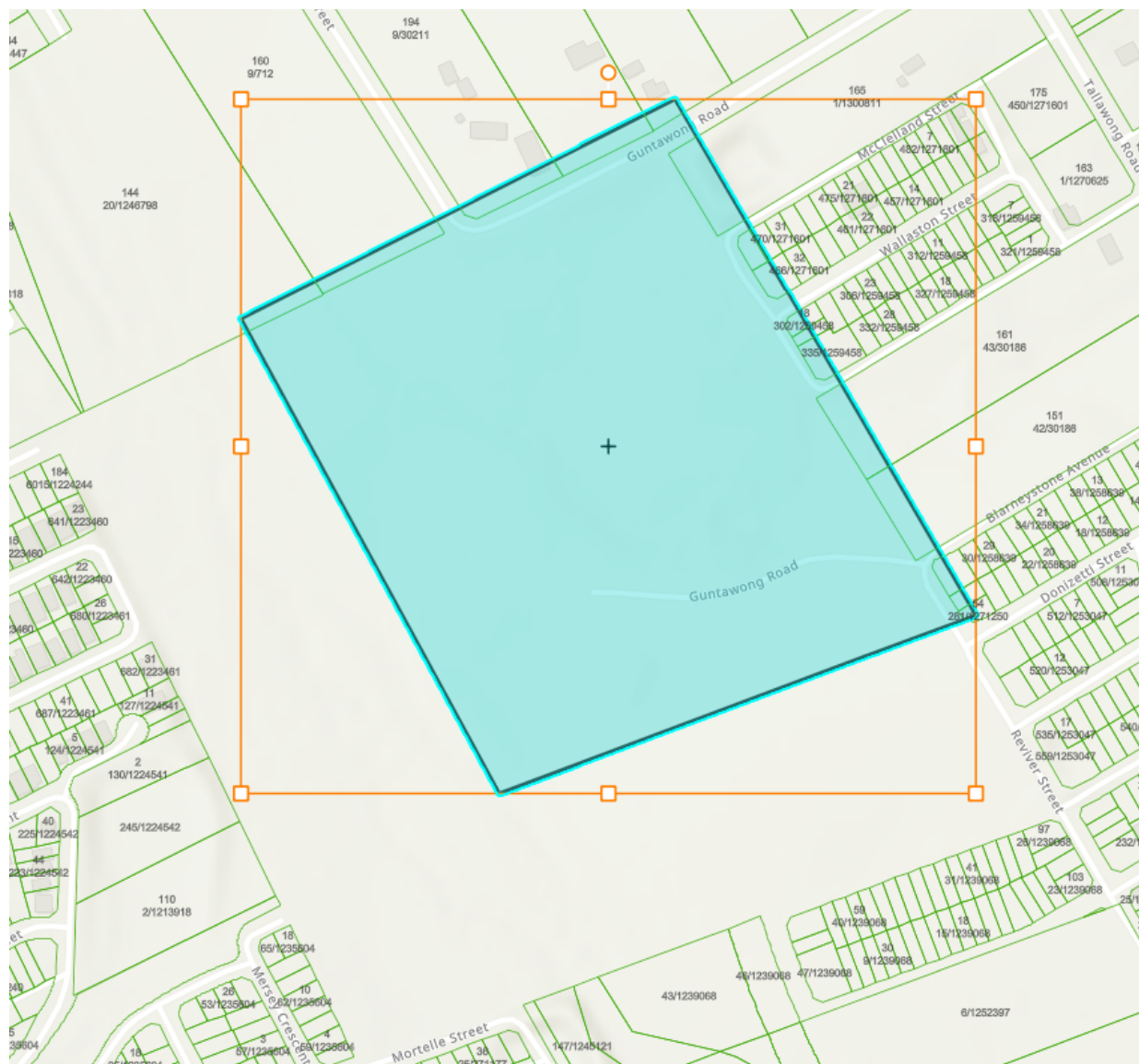
4.0 Appendix A – Endeavour Energy Supply Offer

14 October, 2024

New Connections**ULL3673****Site Details**

LGA Name	BLACKTOWN
-----------------	-----------



Main Address	Address	Lot	Section	DP	Part Lot
<input type="checkbox"/>	160 CRANBOURNE STREET, ROUSE HILL, New South Wales, 2155	9	Q	712	<input type="checkbox"/>
<input type="checkbox"/>	194 GUNTAWONG ROAD, ROUSE HILL, New South Wales, 2155	9		30211	<input type="checkbox"/>
<input type="checkbox"/>	33 MCCLELLAND STREET, ROUSE HILL, New South Wales, 2155	469		1271601	<input type="checkbox"/>
<input type="checkbox"/>	33 NIRMAL STREET, ROUSE HILL, New South Wales, 2155	28		1258639	<input type="checkbox"/>
<input type="checkbox"/>	54 NIRMAL STREET, ROUSE HILL, New South Wales, 2155	281		1271250	<input type="checkbox"/>
<input checked="" type="checkbox"/>	184 GUNTAWONG ROAD, ROUSE HILL, New South Wales, 2155	10		30211	<input type="checkbox"/>
<input type="checkbox"/>	20 NIRMAL STREET, ROUSE HILL, New South Wales, 2155	301		1259458	<input type="checkbox"/>
<input type="checkbox"/>	52 NIRMAL STREET, ROUSE HILL, New South Wales, 2155	282		1271250	<input type="checkbox"/>
<input type="checkbox"/>	165 GUNTAWONG ROAD, ROUSE HILL, New South Wales, 2155	1		1300811	<input type="checkbox"/>
<input type="checkbox"/>	WALLASTON STREET, ROUSE HILL, New South Wales, 2155	467		1271601	<input type="checkbox"/>
<input type="checkbox"/>	182 GUNTAWONG ROAD, ROUSE HILL, New South Wales, 2155	100		1282519	<input type="checkbox"/>
<input type="checkbox"/>	18 NIRMAL STREET, ROUSE HILL, New South Wales, 2155	302		1259458	<input type="checkbox"/>
<input type="checkbox"/>	144 CRANBOURNE STREET, RIVERSTONE, New South Wales, 2765	20		1246798	<input type="checkbox"/>
<input type="checkbox"/>	MARCHANT STREET, ROUSE HILL, New South Wales, 2155	335		1259458	<input type="checkbox"/>
<input type="checkbox"/>	161 TALLAWONG ROAD, ROUSE HILL, New South Wales, 2155	43		30186	<input type="checkbox"/>
<input type="checkbox"/>	151 TALLAWONG ROAD, ROUSE HILL, New South Wales, 2155	42		30186	<input type="checkbox"/>
<input type="checkbox"/>	35 MCCLELLAND STREET, ROUSE HILL, New South Wales, 2155	468		1271601	<input type="checkbox"/>



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 Application		
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.		

Supporting Documents

<div>  Max Demand.PNG 2h 49m ago </div> <div>  Tallawong Hills HS_SitePlan.pdf 2h 49m ago </div>	
<input checked="" type="checkbox"/> Site Plan	
Reason for Required Documents Unavailable	Concept Design Stage Documentation

Contact Details

Applicant	<input checked="" type="checkbox"/>
Contact Name	Richard Hopkins
Company Name	Steensen Varming
Contact Number	0299672200
Email	richard.hopkins@steensenvarming.com
Address	Castlereagh Street,Sydney NSW,2000

Developer	<input checked="" type="checkbox"/>
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

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

Standard Connection Offer

17 October 2024

Endeavour Energy Ref: ULL3673

Customer Ref:

Richard Hopkins

Steensen Varming

Sydney NSW 2000

**ULL3673 – LOT 468,43,301,1,281,20,9,469,42,282,467,100,335,10,9,28,302, DP
1271601,30186,1259458,1300811,1271250,1246798,30211,1271601,30186,1271250,127160
1,1282519,1259458,30211,712,1258639,1259458, Connection of Load Application: 184
GUNTAWONG ROAD, ROUSE HILL**

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,



Vasan Naidoo

Customer Network Engineer

Ph: 0467 079 009

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)

17 October 2024

Endeavour Energy Reference: ULL3673

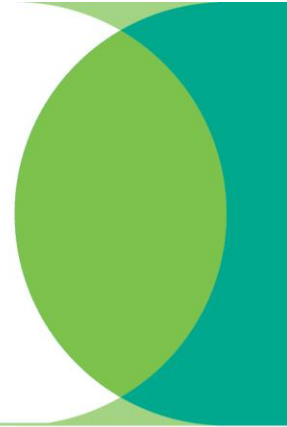
Development Details & Applicant's Assessed Load:	<i>It is proposed that the new high school will be serviced by 2 x 1000kVA transformers located indicatively on the concept design site plan.</i>
Endeavour Energy Assessed Load:	TBA
Development & Site Plans received/not received:	TBA
HV/LV Connection Point & Connection Asset Requirements:	In accordance with Endeavour Energy Network standards and Connection Policy, the developer is required to provide underground mains reticulation to make electricity supply available for each proposed allotment. This may involve extending the HV network, installation of PM substation(s), and LV underground reticulations.
Network Constraints & Limitations:	<p>The network reticulation shall be provided in accordance with Endeavour Energy underground distribution network design standards MDI0028.</p> <p>Subject to Level 3 ASP's proposal and Endeavour Energy Planner's specification, the HV requirements will be confirmed in the design brief letter.</p> <p>The scope of works is to be undertaken in accordance with the Terms and Conditions of the Model Standing Offer for a Standard Connection Service and must comply with all relevant policies, regulations and network standards.</p>

Transmission Assets:

Click here to insert details

Connection Options:

Click here to insert details (if applicable)



Initial Funding Arrangements

17 October 2024

Endeavour Energy Reference: ULL3673

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

Notice of Advice

[Insert date here]

Endeavour Energy Ref: ULL3673

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 468,43,301,1,281,20,9,469,42,282,467,100,335,10,9,28,302, DP 1271601,30186,1259458,1300811,1271250,1246798,30211,1271601,30186,1271250,1271601,128251 9,1259458,30211,712,1258639,1259458, 184 GUNTAWONG ROAD, ROUSE HILL ("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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5.0 Appendix B – Telstra Desktop Study Correspondence

Ivan Mira

From: Luis Fornes <luis.fornes@tsariley.au>
Sent: Tuesday, 27 August 2024 3:56 PM
To: Ivan Mira
Cc: Mathew Romanous; Joanna Hole; Sonia Mallos; jim.lewis3; tdunn@djrd.com.au; Ben Mules; Alan Sharkey; Harrison Rourke; Emma Murray; Elise Harrison; Emily Doyle; Niwili White Forrest; Emily French
Subject: Schofields/Tallawong: - Telstra Lead

CAUTION: This email originated from outside the organisation. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Hi Ivan,

See below response from Rukshy regarding Telstra delivery point.

Reach out if you have any other queries.

Thank you.

Luis Fornes

Senior Project Manager

TSA Riley

E: luis.fornes@tsariley.au

O: +61 2 9276 1400

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From: Rukshy Qamar <Rukshy.Qamar@det.nsw.edu.au>
Sent: Tuesday, August 27, 2024 11:00 AM
To: Luis Fornes <luis.fornes@tsariley.au>; Kerry Northcott <Kerry.Northcott@det.nsw.edu.au>
Cc: Elise Harrison <elise.harrison@tsariley.au>; Joanna Hole <Joanna.Hole@det.nsw.edu.au>; Emma Murray <Emma.Murray42@det.nsw.edu.au>; Mathew Romanous <mathew.romanous@tsariley.au>; Emily Doyle <emily.doyle@tsariley.au>
Subject: RE: Schofields/Tallawong: Telstra Lead in coordinates for Jordan Springs and Schofields/Tallawong High Schools

Hi Luis,

The feasibility has been completed, and the following summary has been provided by Telstra:

- Project Summary - Haul, splice and terminate 250m to the customer's Service Delivery Point (SDP). External splicing required. Install a Customer Optic Fibre Termination Unit (COFTU). New lead-in conduit may be required assumed from TLS ID: 2602144572 located -33.68290454,150.88859912.
- Finalised Price Response - Firm construction Enterprise Works price is \$16,698 ex GST. Firm price to conduct a site visit \$5,872 ex GST. 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 feasibility response is valid for 90 days, after which a new feasibility will be required to confirm capacity availability.
- Commercial Works - This price does not include CW which may apply and will either be determined at time of order or through a customer funded site visit.
- Fee for Service Works (FFS) - This price does not include FFS which may apply and will either be determined at time of order or through a customer funded site visit.

Please let me know if you require any further details.

Regards,
Rukshy

From: Luis Fornes <luis.fornes@tsariley.au>

Sent: Monday, August 26, 2024 2:30 PM

To: Rukshy Qamar <Rukshy.Qamar@det.nsw.edu.au>; Kerry Northcott <Kerry.Northcott@det.nsw.edu.au>

Cc: Elise Harrison <elise.harrison@tsariley.au>; Joanna Hole <Joanna.Hole@det.nsw.edu.au>; Emma Murray <Emma.Murray42@det.nsw.edu.au>; Mathew Romanous <mathew.romanous@tsariley.au>; Emily Doyle <emily.doyle@tsariley.au>

Subject: Schofields/Tallawong: Telstra Lead in coordinates for Jordan Springs and Schofields/Tallawong High Schools

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Good afternoon @Rukshy Qamar,

Can you provide an update on when we should be receiving the location for the new Pit and further details for the lead-in for Schofields Tallawong?

Thank you.

Luis Fornes

Senior Project Manager

TSA Riley

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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]

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Kerry,

Thank you.

Regards,

Luis Fornes

Senior Project Manager

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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 <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]

Luis,

NBN is a separate communications carrier service to the Telstra GWIP service. As a new property development it's a government requirement that NBN services are provisioned for the site. This request is done by the builder as DOE don't use NBN services for anything, however 3rd party operators onsite may require it (OOSHC/Canteen etc.)

Regards,

Kerry Northcott

Project Manager | ICT Infrastructure Coordination and Operational Readiness

M 0437 882 005 | E Kerry.Northcott@det.nsw.edu.au



Education

From: Luis Fornes <luis.fornes@tsariley.au>

Sent: Wednesday, August 14, 2024 10:09 AM

To: Mathew Romanous <mathew.romanous@tsariley.au>; Rukshy Qamar <Rukshy.Qamar@det.nsw.edu.au>; Kerry Northcott <Kerry.Northcott@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]

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Good morning Rukshy,

Are you able to provide us an ETA of when we should expect to hear back from Telstra?

Can you also clarify, if NBM is required separately or will NBM be provided by Telstra.

Thanks in advance.

Regards,

Luis Fornes

Senior Project Manager

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From: Mathew Romanous <mathew.romanous@tsariley.au>

Sent: Wednesday, August 7, 2024 11:27 AM

To: Rukshy Qamar <Rukshy.Qamar@det.nsw.edu.au>; Kerry Northcott <Kerry.Northcott@det.nsw.edu.au>

Cc: Luis Fornes <luis.fornes@tsariley.au>; 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>

Subject: RE: Telstra Lead in coordinates for Jordan Springs and Schofields/Tallawong High Schools [TSA-P.10006.PR-007074]

Rukshy,

That's great, thanks for the quick action.

Below for Schofields FYI

- Site Name : **Schofields Tallawong High School**
- Site Address or GPS coordinates :
 - **201 Guntawong Rd, Tallawong 2762.** Note that this is the current address before school subdivision. Lot 1 in DP 1283186 (30Ha site) to be subdivided to allow for a 4Ha site for the High School.
 - **GPS coordinates (Approx.): 33°40'57.4"S 150°53'21.4"E**

- Alternate access on **Nirmal St, Tallawong**. GPS coordinates (approx.) 33°41'00.5"S 150°53'27.5"E

- Site/ Builder Contact : **OSL own the land. It is vacant. Please contact the SINSW Project team, or my team (all CC'd), for access.**
- School operational date : **January 2027**
- School Capacity : **1000 Students**
- Number of enrolments for first year : **289 students**

Thanks again.

Feel free to contact me if you need anything else

Mathew Romanous

Project Director

TSA Riley

E: mathew.romanous@tsariley.au

O: +61 2 9276 1400

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From: Rukshy Qamar <Rukshy.Qamar@det.nsw.edu.au>

Sent: Wednesday, August 7, 2024 10:02 AM

To: Mathew Romanous <mathew.romanous@tsariley.au>; Kerry Northcott <Kerry.Northcott@det.nsw.edu.au>

Cc: Annelise Beljaars <Annelise.Beljaars@det.nsw.edu.au>; Becky Chung (Becky Chung)

<Becky.Chung1@det.nsw.edu.au>; Luis Fornes <luis.fornes@tsariley.au>; 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>

Subject: RE: Telstra Lead in coordinates for Jordan Springs and Schofields/Tallawong High Schools [TSA-P.10006.PR-007073]

Hi Mathew,

I have requested the necessary information from Telstra regarding Jordan Springs High School and will forward it to you as soon as I receive it.

Regarding the Schofields Tallawong High School, could you please provide the following details?

- Site Name : Schofields Tallawong High School
- Site Address or GPS coordinates
- Site/ Builder Contact
- School operational date
- School Capacity

- Number of enrolments for first year

Regards,
Rukshy

From: Mathew Romanous <mathew.romanous@tsariley.au>
Sent: Monday, August 5, 2024 5:42 PM
To: Rukshy Qamar <Rukshy.Qamar@det.nsw.edu.au>; Kerry Northcott <Kerry.Northcott@det.nsw.edu.au>
Cc: Annelise Beljaars <Annelise.Beljaars@det.nsw.edu.au>; Becky Chung (Becky Chung) <Becky.Chung1@det.nsw.edu.au>; Luis Fornes <luis.fornes@tsariley.au>; 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>
Subject: Telstra Lead in coordinates for Jordan Springs and Schofields/Tallawong High Schools [TSA-P.10006.PR-007073]

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Rukshy,

We are looking to confirm the Telstra Lead-in point for two High Schools in the Bundle 1 Package.

- **Jordan Springs High School**
 - o Address: Cnr Armoury Rd and Infantry Street, Jordan Springs 2747
 - o Site plan attached
- **Schofields Tallawong High School**
 - o Address: 201 Guntawong Rd Tallawong 2762
 - o Site Plan attached

Previously (on 25 June), you provided GPS coordinates provided by Telstra for the lead-in starting location, for Gledswood Hills HS. The Electrical Engineer is asking for the same details on these schools also.

Are you able to provide the lead-in coordinates for the above two schools.

Please feel free to contact me if you have any queries.

Mathew Romanous

Project Director

TSA Riley

E: mathew.romanous@tsariley.au

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