



**NSW Department Of Education &
Communities**

Waitara Primary School
Power and Communications Infrastructure Report

Rev C
February 2018

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1. Electrical/Communications Infrastructure

1.1 Existing electrical and telecommunications utilities

The existing Waitara Public School site consists of multiple permanent and temporary or demountable buildings. The main power supply for the school originates from an Ausgrid substation (number 46650) located on Edgeworth David Ave. There is an existing high voltage and low voltage overhead distribution network installed along Edgeworth David Ave.

The existing service connection point is located at the private pillar located adjacent the substation, the consumer's mains for the school reticulate underground from the pillar into the schools main switchboard, located external to building J. From the main switchboard, submains reticulate throughout the buildings to various distribution boards (EDB's). The site uses underground reticulation to supply individual buildings and the demountable buildings located at the throughout the site.

There is an existing fibre and copper communications service into the library server room which then feeds out to all other buildings. There is an existing NBN line running along Myra street.

1.1.1 Existing Services to be Decommissioned

As part of the scope of works at Waitara public school, multiple demountables and permanent buildings will be demolished to make room for the new building. All existing services to these buildings will be removed prior to demolition. The existing site main switchboard will need to be temporarily relocated as it is within the construction zone. The temporary site main switchboard will supply the continuing school services during the construction of the new building. Refer to Appendix C for the detailed in ground services survey for the area impacted by the new building.

1.2 Service connections

1.2.1 Power Supply

The existing school site is estimated to use 272 Amps (3 phase). The final school maximum demand with the new building included in the calculations is 1034A (3 phase) – refer to maximum demand calculation included in Appendix A. This allows for air conditioning of all classroom spaces and 15% spare capacity as required by the EFSG. Appendix A contains the application that was submitted to Ausgrid and the response detailing the network upgrade requirements including an upgrade to substation 46650.

A 70kW grid connected solar PV system will be installed on the roof of the new building to offset the energy usage in accordance with EFSG design guidelines. The system will be limited to 100kW across the school site to comply with energy generation regulations and the EFSG.

1.2.2 Telecommunications

A new NBN fibre and Telstra copper connection will be made to the NBN network located in Myra Road – refer to drawing Site plan (Appendix B).

Appendices

Appendix A – Application for Connection

Connection Application - Large, Multiple and Remote Connections



FORM NECF-03

Who should use this form

Use this form if you:

- require a new or altered service connection greater than 100 Amps **OR**
- require new infrastructure to provide electricity to a subdivision of land **OR**
- require a new or altered connection at high voltage **OR**
- require a new or altered service connection at 100 Amps **WHERE**
 - the development comprises more than 6 separate units **OR**
 - any item of plant or equipment is rated at 30 amps or more

For other connections use NECF-02 Connection Application - Residential and Small Commercial Connection

How to submit this form to Ausgrid

Sydney, Central Coast and Hunter

Fax: (02) 4399 8007

Fax (local call): 1300 662 089

Email to: datanorth@ausgrid.com.au

Upper Hunter only

Fax: (02) 6542 9037

Email to: datamuswellbrook@ausgrid.com.au

Total number of pages sent*

08

General enquiries

More information on completing this form can be found on our website:

www.ausgrid.com.au/connectingtothenetwork

Fields marked with an * are mandatory.

This form is to be completed using BLOCK LETTERS only

Any application marked TBA or TBD will be incomplete and will be returned with advice that Ausgrid will not be able to process the application until a complete application is re-submitted. If you do not have all the required information at this stage and are only interested in determining how your proposed development will be supplied, you should consider lodging a preliminary connection enquiry, using our form NECF-01.

PART A: PREMISES AND DEVELOPMENT DETAILS

1. Premises and Owner Details

Retailer	NMI	Your NMI can be found on your electricity bill. Put NA for a new site.
Property Name WAITARA PUBLIC SCHOOL		
Floor No.	Unit No.	Street No. or RMB* 48-58
		Lot No.* LOT A
		DP No.* DP309739
Street Name* MYRA STREET		Post Code* 2076
Suburb* WAITARA	Nearest Cross Street EDGEWORTH DAVID AVENUE	
Name of Registered Proprietor of Land* DAVID TONGE - DEPARTMENT OF EDUCATION		This is the person authorising connection of the premises.
Address of Registered Proprietor of Land* LVL 4, 35 BRIDGE ST, SYDNEY		Post Code* 2010

2. Retail Customer or Real Estate Developer Details

Tick here if you are the land owner ☐ Now proceed to Section 3

Title, First Name, Last Name* DAVID TONGE	ABN (if applicable)
Company Name (if applicable and provide representative details above) DEPARTMENT OF EDUCATION - ASSET MANAGEMENT	Phone No. 0295618664
Postal Address* LVL 4, 35 BRIDGE ST, SYDNEY	Mobile Phone No. 0475951762
Email Address* DAVID.TONGE@DET.NSW.EDU.AU	Fax No.

3. About You - The Connection Applicant

Questions in this section are about the person making this Connection Application.

What type of applicant are you?*
(write A, B, C, D, E or F)

☐

A = Retail Customer,
B = Real Estate Developer
C = Energy Retailer

D = You are applying on behalf of a retail customer or developer
E = Electrical Contractor on behalf of a customer or developer
F = ASP on behalf of a customer or developer

Title, First Name, Last Name* CAMPBELL GRIFFIN	ABN (if applicable)		
Company Name (if applicable and provide representative details above) GHD - ELECTRICAL ENGINEER	Phone No. * (and/or) 0292397376		
Postal Address* LVL 15, 133 CASTLEREAGH STREET, PICCADILLY	Mobile Phone No.* 0409494277		
Email address* CAMPBELL.GRIFFIN@GHD.COM	Fax No.		
Electrical Contractor Licence No.* (If E above)	ASP No.* (If F Above)	Level	If you are an ASP you must provide your accreditation number and level (1,2,3)

Street Address of the Premises (to be completed by applicant) *

45-58 MYRA STREET, WAITARA

Post Code*

2076

4. Electrical Contractor Details (if available) N/A

Tick here if the same as Section 3 above_ ☐ Now proceed to Section 5

Title First Name and Last Name (or Company Name)

Postal Address

Email

Electrical Contractor Licence No.

ABN (if applicable)

Phone No.

Fax No.

PART B: LOAD DETAILS

5. Connection Details

(i) Connection Timeframes

(a) When do you expect the construction of the premises connection assets to commence?*

01/01/2018

(b) When do you wish to energise (ie turn on the supply to) the premises?*

31/12/2018

▲ Premises connection assets are the components of the distribution system used to provide the connection service to the premises eg service cable, metering, new Ausgrid pole, pillar or substation etc.

(ii) Existing Connection (if applicable)

Existing Point of Common Coupling

Asset No.

This is the No. of the pole, pillar or substation. If there is no asset No. put "unknown".

Pole ☐ Pillar ☐ Substation ☒

46650

Meter No.

If you have an existing supply, is it from a substation located on the premises?*

Y ☒ N ☐

(iii) Infrastructure to a Land Subdivision

(a) Is this an application to provide infrastructure to a land subdivision, eg provide low voltage reticulation within an URD subdivision?*

Y ☐ N ☒

If No, proceed to (iv) below otherwise continue on to (b) below

(b) No. of lots in the subdivision*

(c) Nearest existing Ausgrid Asset*

Asset No.

This is the number of the pole, pillar or substation. If there is no asset number put "unknown".

Pole ☐ Pillar ☐ Substation ☐

► Proceed to (vi)

(iv) Proposed Point of Common Coupling* (Please tick one)

Pole ☐ Pillar ☐ Substation ☒

Asset No.

46650

This is the number of the pole, pillar or substation. If there is no asset number put "unknown".

Is the Point of Common Coupling within 50m of the boundary of your land?*

Y ☒ N ☐

(v) Proposed Point of Supply* (Please tick one or if Other, please describe)

Private Pole / Pit / Pillar ☒

Main Switchboard ☐

Front of Premises ☐

Other

(vi) Connection Type* (Please tick all that apply)

New ☐

Upgrade ☒

Alteration ☐

Separation ☐

Amalgamation ☐

(vii) Embedded Generation Details* (e.g. solar, wind, hydro, back-up and standby)

(a) Does the premises have existing embedded generation?*

Y ☒ N ☐

► If Yes

Rated Output EXACT RATING kW UNKNOWN

Type:

(solar, wind, gas, etc)

SOLAR PV

(b) Are you upgrading or installing new embedded generation?*

Y ☐ N ☒

► If Yes, submit our NECF-04 form in addition to this form

(c) Your Installer's Clean Energy Council Accreditation No.

N/A

Only complete if embedded generation comprising of AS/NZS 4777 compliant components is being installed

Street Address of the Premises <i>(to be completed by applicant)</i> *	Post Code*
45-58 MYRA STREET, WAITARA	2076

(viii) Service Type*
(Please tick one)

Overhead ☐

Underground ☒

UGOH ☐

Off Pole Transformer ☐

Busbar Supply ☐

(ix) Service Size*
(Please tick one)

100 Amps ☐

200 Amps ☐

400 Amps ☐

630 Amps ☒

800 Amps ☐

1000 Amps ☐

1200 Amps ☐

1600 Amps ☐

2000 Amps ☐

2500 Amps ☐

3000 Amps ☐

Other ☐ Describe _____
(Complete if Other is ticked, eg high voltage connection at 11KV)

(x) Number of Phases*
(Please tick one)

1 Phase ☐

2 Phases ☐

3 Phases ☒

(xi) Metering Details*

(a) Are new meters being installed as part of this connection application?*

Y ☒ N ☐

►

If yes, number of meters in (b) below must be completed

(b) Number of Meters:
(enter total number)

Single Phase (E1) ☐

Three Phase (E3) ☐ 1

Single Phase & Controlled Load (E2) ☐

Controlled Load 1 ☐

Controlled Load 2 ☐

(c) Embedded generation metering:
(tick if applicable or describe)

Net ☐

Gross ☐

Other UNKNOWN AT THIS TIME

(d) Will your installation be CT metered?*

Y ☒ N ☐

►

If yes, CT Metering Form must be submitted. Refer to that form for submission details

DETAILS TO PROVIDED FOLLOWING DESIGN PROGRESSION				
(xii) Type and Number of Premises	Land Title Type* (Please tick one)	Premises Usage* (Please tick one or more)	No. of Premises* (enter total number)	Which of the following applies to your premises?* (one must be ticked)
	Torrens ☒	Residential ☐		Urban ☒ Unknown ☐
	Strata ☐	Commercial / Industrial ☒		Rural ☐
	Community Title ☐	House Services ☐		◀ Only fill out House Services if you have Multiple Installations
		Builder's Service ☐		

(xiii) Calculated Maximum Demand in Each Phase (Amps)

◀ This question is not asking about service rating.

(a) Existing Maximum Demand

A 272

B 272

C 272

Amps

Existing Service Length 2 m

(b) Proposed Maximum Demand *
(Total of New & Existing Load)

420

420

420

Amps

Proposed Service Length* 2 m

(c) Is a Maximum Demand Calculation worksheet attached to this application?*

Y ☒ N ☐

◀

A worksheet showing the maximum demand calculation in accordance with AS/NZS3000 must be attached to this form unless you answered "Y" in (iii)(a) above.

6. Additional Development Details *(please fill in where relevant to your premises)*

If your development involves any of these, this section MUST be completed, even if you are providing your plans with this application

Residential Portion

Number of living units

Number of bedrooms per unit

Gas hot water *(yes/no)* Y ☐ N ☐

Gas cooktop *(yes/no)* Y ☐ N ☐

Car park ventilation current rating Amps

Car park area requiring lighting m²

Air conditioning *(yes/no & if Yes, No. of units)* Y ☐ N ☐

Air conditioning rating *(Electrical Input)* Amps

Industrial Portion

No of factory units

Total floor area of all factory units m²

Commercial Portion

Number of shops 0

Total floor area with air conditioning 800 m²

Total office area without air conditioning 0 m²

Car park ventilation current rating 0 Amps

Car park area requiring lighting 1000 m²

Warehouse floor area 0 m²

Commercial areas for food handling *(yes/no)* Y ☒ N ☐

Other (eg Lifts, Cranes,etc - List Type, No & Rating in Amps)

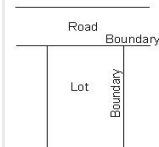
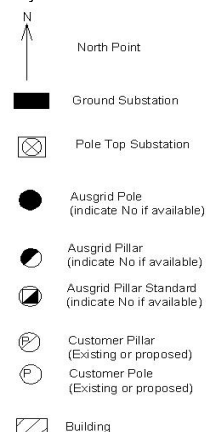
1 X LIFT AT 30A

7. Location Diagram*

This section is about the physical location of your premises and an electrical schematic will not be accepted. Ensure that your diagram clearly identifies property, nearest cross street, North Point, Proposed Point of Common Coupling, Point of Supply and service cable route to main switchboard. Attach a separate paper if more space is required.

SEE ATTACHED PLANS

Use the following symbols where necessary:

**8. Specific Equipment - Non Linear/Fluctuating Load Details (complete if installing any of the items listed below)**

This section is for connections where (a) any single item of plant or equipment has a rating > 75 Amps at 230/400V, (b) any HV connections, or (c) Work where the proposed equipment may cause excessive fluctuations of voltage (eg. lifts, welders, pumps, x-ray machines).

Description	kVA/kW	Amp	No of Ops/Hr	Design Standard	Mitigation Measures
Distorting Loads					
1 Phase capacitor-filtered or conventional rectifier	N/A				
3 Phase 6-pulse capacitor filtered rectifier / VSD	N/A				
3 Phase 6 pulse capacitor filtered rectifier with series inductor > 3% or DC drive / VSD	N/A				
3 Phase 6 pulse inductor filtered rectifier / VSD	N/A				
3 Phase 12 pulse rectifier / VSD	N/A				
AC voltage regulator	N/A				
Variable voltage variable frequency (VVVF) drive	N/A				
Switch mode power supplies	N/A				
Power Factor Correction	N/A				
Other (please specify)	N/A				
Fluctuating Loads					
Rating of the largest motor	N/A				
Rating of the second largest motor	N/A				
Rating of other frequently fluctuating loads:	N/A				
Other:	N/A				
Special Equipment					
X-Ray or Magnetic Resonance Imaging Devices	N/A				
Welding plant rating	N/A				
Arc furnaces rating	N/A				
Unbalanced loads (e.g PH-N / PH-PH loads)	N/A				
Other, (incl >75A rated equipment):	N/A				
TOTAL APPARENT POWER RATING (KVA)	N/A				

9. Expedited Connection (optional)

For information regarding this section please refer to our website or the guide for this form.

Are you applying for an expedited connection?

Y ☐N ☒

▶ If No, proceed to Section 10

If Yes, then indicate which model standing offer to provide connection services is acceptable to you (you may tick more than one).

☐ Basic - 100 Amps connection☐ Standard - connection requiring Ausgrid-funded offsite works☐ Basic - Over 100 Amps connection☐ Standard - connection requiring Ausgrid-funded onsite substation☐ Basic - micro EG connection☐ Standard - ASP/1 connection☐ Standard - connection requiring Ausgrid augmentation (substation upgrade)**10. Other Information**

Information you provide in this section may help Ausgrid to process your connection application faster.

Was a Preliminary Connection Enquiry lodged for the premises using our form NECF-01?

Y ☐N ☒

Preliminary Enquiry No.

Has Ausgrid provided a certified design number for a Network Augmentation project associated with the premises?

Y ☐N ☒

Certified Design No.

If you have appointed an ASP/1, please provide their details below otherwise skip to next question

ASP/1 Name

ASP No.

N/A

DA Reference No.

Do you have development consent for your proposal?

Y ☐N ☒

▲ If yes, please attach any conditions relating to electricity where not already provided to Ausgrid.

Do you wish to underground/relocate electricity assets in conjunction with this connection application?

Y ☐N ☒

▶ If yes, please provide details in section 11, or on a separate paper

11. Comments and Additional Information (if applicable)

(e.g. References to similar existing installations, supporting information. Attach information on a separate paper if there is insufficient space below)

THERE ARE PLANS TO PROVIDE A NEW SCHOOL BUILDING AND MINOR REFURBISHMENT AT THE WAITARA PUBLIC SCHOOL. THE EXISTING SERVICE CONNECTION IS FROM THE EXISTING SUBSTATION TO A PRIVATE PILLAR AND THE PROPOSED FINAL CONNECTION WOULD RETAIN THIS ARRANGEMENT. SEE ATTACHED SITE MAP FOR PLANS. THE DESIGN IS CURRENTLY AT CONCEPT STAGE AND SO EXACT LOADS ARE NOT KNOWN. ATTACHED IS A MAXIMUM DEMAND SPREADSHEET CALCULATED ON AREA RATES. CAN YOU PLEASE CONFIRM IF ANY NETWORK UPGRADES ARE REQUIRED TO HANDLE THE ADDITIONAL LOAD AT THE SCHOOL? THE NEW BUILDING IS PROPOSED TO NOT REQUIRE AIR CONDITIONING, HOWEVER THERE IS A CHANCE IT WILL BE REQUIRED. IF THE AIR CONDITIONING LOAD IS REQUIRED, WILL THERE BE ANY FURTHER NETWORK UPGRADES REQUIRED COMPARED TO THE OPTION OF NO AIRCONDITIONING IN THE NEW ROOMS?

A SOLAR PV SYSTEM IS PROPOSED TO BE INSTALLED ON THE NEW BUILDING, HOWEVER SYSTEM SIZE IS UNKNOWN AND SO A SEPARATE APPLICATION WILL BE SUBMITTED FOR THIS EMBEDDED GENERATOR.

12. SignatorySignatory should be the person named in Section 3, ie the *Connection Applicant*.

Where this application requests an expedited connection, I declare that I have read and understood the terms and conditions of the connection offer referred to in section 9 (including the Connection Offer Summary) and agree that if the connection is expedited that a contract based on that offer will be formed with Ausgrid on the date that Ausgrid receives the application.

Where this application is being made on behalf of a retail customer or real estate developer, I declare that I have obtained the authority of that person to make this application of their behalf, including where applicable, making a request for expedition of the connection application.

Signatory Name*

CAMPBELL GRIFFIN

Signatory Position*

ELECTRICAL ENGINEER - ELECTRICAL DESIGNER

Signature of Connection Applicant*

Date signed by the Connection Applicant*

Attachment Checklist:

Tick if done

No of pages

Remarks

This Connection Application form

☒

6

Ensure all fields marked with * are filled in

AS/NZS3000 maximum demand worksheet

☒

1

Refer to question 5(xiii)(c)

Connection Application for Embedded & Standby
Generation Form NECF-04☐

Required if you answered "Y" in question 5(vii)(b)

Development Plans

☐

Attach if available

Location Diagram (if space in Section 7 is inadequate)

☒

1

Conditions of consent to your Development Application

☐

Refer to Section 10

Other (please specify)

☐

Other (please specify)

☐

TOTAL*

8

If this application is incomplete in a material respect or if Ausgrid requires more information, Ausgrid will not process the application until you provide the relevant information. If you do not supply the requested information within 12 months, this application will lapse.

Waitara Public School
Maximum demand to AS 3000

Prepared by
Checked By

Campbell Griffin
Paul Hebblewhite

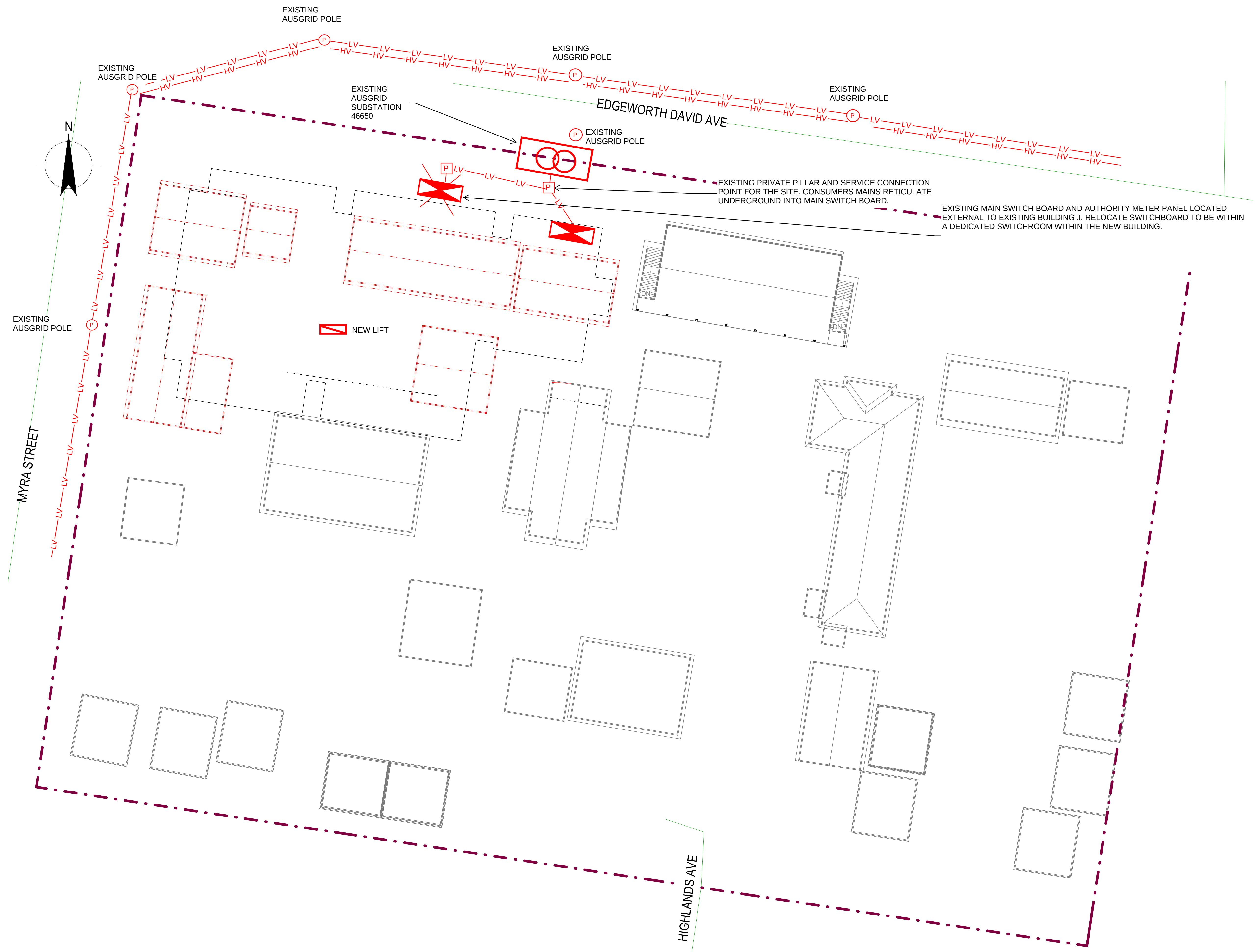
Option 1 - new classrooms with no air conditioning

Area Type	Area existing	new area proposed	VA/m^2	Existing (kVA)	New(kVA)	Total (kVA)	Total (A/phase)	Notes
Homebases/classrooms No A/C or heating	653	2836	30	19.59	85.08	104.67	151.7	new building to be provided with gas heating and no air conditioning
Homebases/classrooms with A/C or heating	653	0	65	42.445	0	42.445	61.5	A/C provided by reverse cycle
Library	205	160	80	16.4	12.8	29.2	42.3	A/C provided to library
Hall	220	230	30	6.6	6.9	13.5	19.6	no A/C in hall
Canteen	40	30	400	16	12	28	40.6	
Staff Office	220	180	80	17.6	14.4	32	46.4	
Demountable buildings	975	-975	65	63.375	-63.375	0	0.0	
outdoor areas with lighting	830	170	5	4.15	0.85	5	7.2	
lift	0	0	0	0	30	30	43.5	
Back of house and amenities	150	160	10	1.5	1.6	3.1	4.5	
				Total (KVA)	187.7	100.3	287.9	417.3
				Total(A)	272.0	145.3		

Option 2 - Reverse cycle AC provided to all new classrooms and spare for demountables

Area Type	Area existing	new area proposed	VA/m^2	Existing (kVA)	New(kVA)	Total (kVA)	Total (A/phase)	Notes
Homebases/classrooms No A/C or heating	653	0	30	19.59	0	19.59	28.4	
Homebases/classrooms with A/C or heating	653	2836	65	42.445	184.34	226.785	328.7	A/C provided by reverse cycle
Library	205	160	80	16.4	12.8	29.2	42.3	A/C provided to library
Hall	220	230	30	6.6	6.9	13.5	19.6	no A/C in hall
Canteen	40	30	400	16	12	28	40.6	
Staff Office	220	180	80	17.6	14.4	32	46.4	
Demountable buildings	975	-375	65	63.375	-24.375	39	56.5	
outdoor areas with lighting	830	170	5	4.15	0.85	5	7.2	
lift	0	0	0	0	30	30	43.5	
Back of house and amenities	120	135	10	1.2	1.35	2.55	3.7	
				Total (KVA)	187.4	238.3	425.6	616.8
				Total(A)	271.5	345.3		

Please confirm requirements if additional load from air conditioning is required by the department of education - current concept design is not allowing for AC.



A	CONCEPT DESIGN	CS	26/05/17
Rev	Description	Job Manager	Date

DEPARTMENT OF EDUCATION
7 SCHOOLS UPGRADE
WAITARA PUBLIC SCHOOL
ELECTRICAL SERVICES CONCEPT DESIGN

Level 15, 133 Castlereagh Street, Sydney NSW 2000 Australia
T 61 2 9239 7100 F 61 2 9239 7199
E sydmall@ghd.com.auW www.ghd.com

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scale	1 : 300	for A1	job no.	21-26108
date	26/05/2017		rev no.	A

21-26108-WA-CD-EL-SK001



Address all relevant correspondence to:

Ausgrid Contestability Section
PO Box 4009
Sydney NSW 2001

E: Contestability@ausgrid.com.au

Thursday 24th August 2017

GHD Electrical
Attention: Campbell Griffin
Level 15/133 Castlereagh Street
Piccadilly NSW 2000

Email: Campbell.griffin@ghd.com

Reference Number: 1900076786

Dear Campbell

Electricity Network Connection Application at: WAITARA PUBLIC SCHOOL 48-58 MYRA ST WAHROONGA

We have received your Connection Application dated 22.08.2017, and assigned it reference number 1900076786.

We have made a preliminary assessment of your Connection Application and wish to advise the application is incomplete and we cannot proceed to a connection offer at this stage. To enable *Ausgrid* to further consider and process your request you will require a certified design and associated certification number, and you should include this on your application.

This letter provides guidance on how to obtain a certified design and associated certification number.

Scope of Network Alterations

Ausgrid's assessment has determined that the following works are likely to be required to connect your development.

- ☐ KL Kiosk Substation Uprate from a 600KVA transformer to an 800kVA transformer and from a 4 x 400A low voltage panel to a 3 x 400, 1 x 800A low voltage panel of Kiosk Substation S.46650

These works are classified as contestable, which means that you are required to fund the design and some or all of the construction works. If you have not already done so, you will need to engage and manage suitably qualified contractors, known as Accredited Service Providers (ASPs) to undertake the design and construction.

Initially, your ASP Level 3 (ASP/3) will undertake the design, and then your ASP Level 1 (ASP/1) will undertake construction in accordance with the design and *Ausgrid's* policies and standards. The timeframe for the works will vary depending on factors such as the complexity and the way in which you manage your ASP's.

Once the works have been satisfactorily completed and electrified, the premises connection assets will be owned and maintained by *Ausgrid* as part of the electricity distribution network.

Design Stage

You or the person you represent must engage an ASP/3 to design the necessary network alterations. *Ausgrid* has classified the design information requirement for this connection as **standard**. Therefore, for this connection, the ASP/3 must submit a Proposed Design Scope (PDS) to *Ausgrid* for assessment. This will form the basis of Design Information – Site Specific Terms and Conditions for the project, which your ASP/3 will use to prepare and submit a design that is certifiable.

You will also need to enter into a Contract for Design Related Services with *Ausgrid* as outlined below. This Contract sets out the rights and obligations of *Ausgrid* and yourself with respect to certification of your ASP/3's design by *Ausgrid*.

Once the design has been certified by *Ausgrid*, your Connection Application will be complete and you may use the design certification number to request that your Connection Application proceed to a connection offer or expedited connection, provided you assure *Ausgrid* that the development has not materially changed since you submitted your original Connection Application.

Contract for Design Related Services

This letter is an offer to enter into a Contract for Design Related Services. It remains open for acceptance for 45 business days. A copy of the Contract for Design Related Services is available for your review on our website <http://www.Ausgrid.com.au> at the following link:

<http://www.ausgrid.com.au/~media/Files/Network/ASPs/ASP3%20new/CDRS%20Appendices/Design%20Contract%202017.pdf>.

No work will be undertaken by *Ausgrid* until a Design Contract is in place.

You are encouraged to contact ASP/3's and ASP/1's to understand the likely overall costs you will incur for design and construction before you accept and commit to the Contract for Design Related Services.

IMPORTANT: The contractual arrangements provide the framework for a design to be prepared by your ASP/3, and NOT by *Ausgrid*. *Ausgrid's* fees as outlined below are for the design related network services we provide during the design phase, and are IN ADDITION to the fees charged by your ASP/3 in preparing the design.

Acceptance Fees

The acceptance fees relating to the Contract for Design Related Services are payable upon acceptance. *Ausgrid* will invoice you once we receive your signed acceptance form. The Contract will not commence until you pay the invoiced fee.

These fees are an estimate for the *Ausgrid* services required. Further fees may apply for any additional services required and these will be quoted on each occasion. *Ausgrid's* published rates for our services are amended from time to time in our Connection Policy – Connection Charges publication, and in accordance with the Contract, *Ausgrid* reserves the right to charge the rates that are applicable at the time the service is provided.

Fees for *Ausgrid's* services are in addition to the design and construction costs charged by your ASP's, and some fees may not be refundable if the service has already been provided.

The Acceptance Fee will be calculated as follows (GST inclusive). These fees and rates are set by the Australian Energy Regulator:

Design Information	\$512.94
Design Certification	\$996.35
Administration	\$639.78
Facilitation	\$483.84
TOTAL	\$2632.91

General

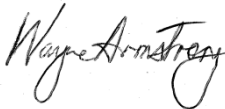
Standard *Ausgrid* documents mentioned in this letter, including those enclosed, are available on *Ausgrid*'s website www.ausgrid.com.au. If you do not have access to the web and would like to read any of the documents mentioned in this letter they may be obtained by contacting the phone number below.

Should you require any further information please contact me on the phone number or email address detailed below.

What to do next

- ☐ Read the Contract for Design Related Services on our website. To accept our offer to enter into a Contract for Design Related Services,
 - Complete and sign the Acceptance of Offer in the space provided below and return it to *Ausgrid*.
Note that a tax invoice will be generated based on the details provided on the form.
 - You will also need to pay *Ausgrid*'s fees as detailed above. An invoice for the above total amount will be forwarded to you on acceptance of the contract.
- ☐ Engage the services of an ASP/3 to submit a Proposed Design Scope (PDS) to *Ausgrid* for assessment. Note that *Ausgrid* will not accept the PDS for assessment until the Contract for Design Related Services is in place. *Ausgrid* requires the PDS to be submitted within 12 months of the contract commencement date.

Yours sincerely,



Wayne Armstrong
Team Leader - Contestability Central Coast & Lake Macquarie
Ausgrid

Direct Telephone Number: 02 8569 6731
Facsimile: 02 4351 0377
Email: warmstrong@ausgrid.com.au

Encl: Acceptance of Offer Form
Contestable Connection or Relocation flowchart

Acceptance of Offer

Design Offer Expiry Date: Thursday, 26 October 2017

Ausgrid - MC Reference Number: 1900076786

Ausgrid - AP/AE Reference Number: 800177484

Ausgrid - Trim Reference Number: B17/4552

Premises: WAITARA PUBLIC SCHOOL 48-58 MYRA ST WAHROONGA

The Connection Applicant accepts the above Ausgrid's offer of a Contract for Design Related Services in relation to the design of connection assets at the above premises.

Please note that a tax invoice will be generated based on the details provided on this form. Changes to this information following invoice processing will result in additional charges.

Details of Person or Company to invoice for the payment of Ausgrid Fees and Charges.	
This is the party that will be billed and responsible for payment. If you are signing on behalf of a third party, we require their details for invoicing	_____ print name of person or company
	_____ ABN
	_____ postal address - line 1
	_____ postal address – line 2
	_____ contact name
	_____ contact phone number
	_____ email address
	_____ purchase order number

Signed by the Connection Applicant (as per application form details)

_____ signature

_____ print name of signatory

_____ print position of signatory

_____ date

_____ company name

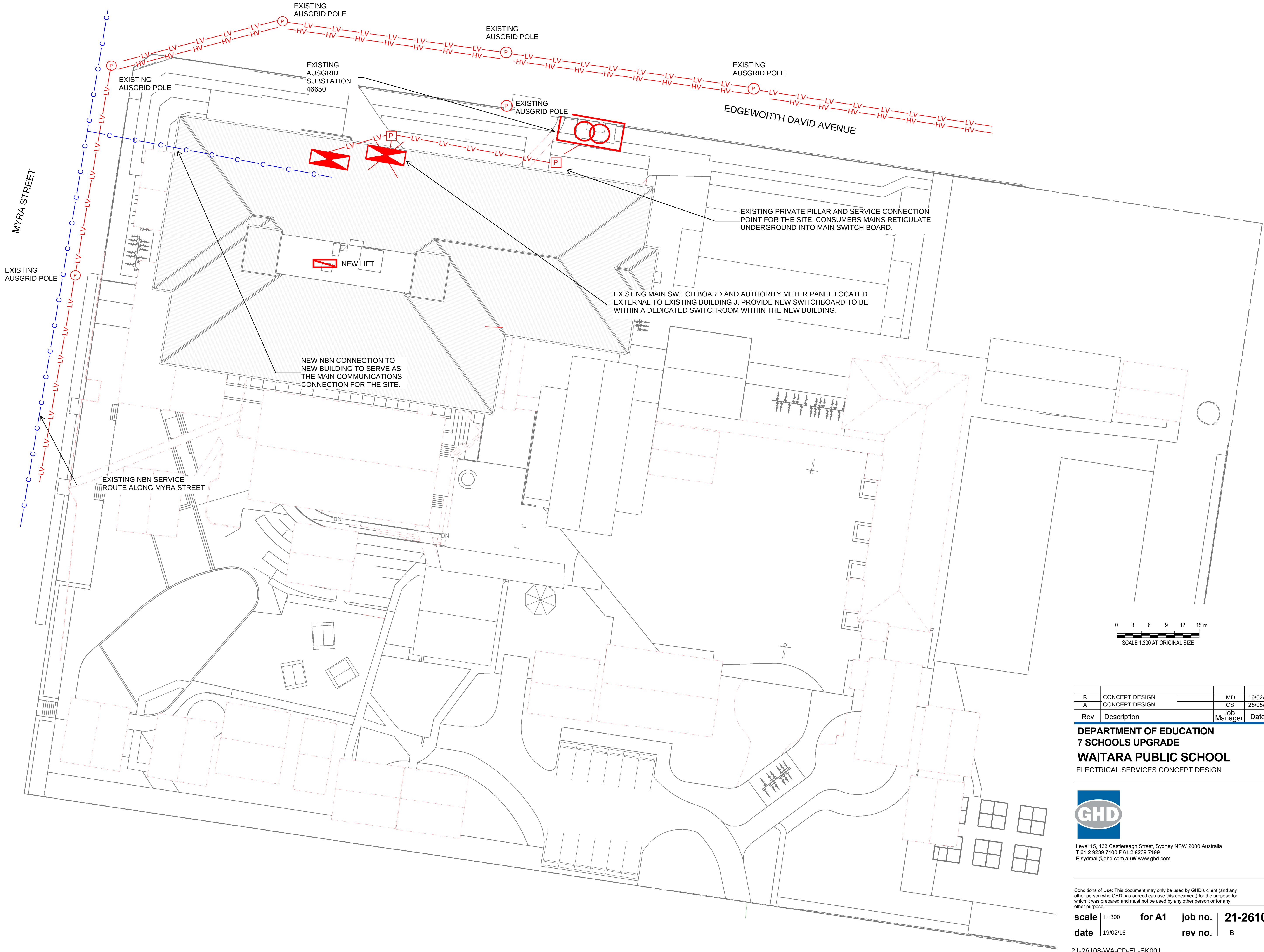
_____ ABN

_____ email address

_____ contact phone number

AUSGRID USE ONLY: Date of Receipt : _____

Appendix B - Site Plan



B	CONCEPT DESIGN	MD	19/02/18
A	CONCEPT DESIGN	CS	26/05/17
Rev	Description	Job Manager	Date

DEPARTMENT OF EDUCATION
7 SCHOOLS UPGRADE
WAITARA PUBLIC SCHOOL
ELECTRICAL SERVICES CONCEPT DESIGN



Level 15, 133 Castlereagh Street, Sydney NSW 2000 Australia
T 61 2 9239 7100 F 61 2 9239 7199
E sydmil@ghd.com.au W www.ghd.com

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scale	1 : 300	for A1	job no.	21-26108
date	19/02/18	rev no.	B	