

**Our Ref: 217510\_LET\_001A**

20 May 2020

Team Leader

Energy Assessments

Department of Planning Infrastructure and Environment

4 Parramatta Square, 12 Darcy St, Parramatta, NSW 2150

Dear Mr Iwan Davies

**QUORN PARK SOLAR FARM (SSD 9097)– AMENDMENT REPORT****Construction Water**

Updated information from the engineering contractors suggests that up to 7.5ML of water may be required during the construction period. This will be sourced locally, either from Parkes Shire Council's Brick Pit or another local commercial source. The EIS suggested that up to 3ML would be required. Council advises that this water may be sourced from the Brick Pit provided the volume is available at the time. See Attachment 1 for communications.

This volume of water will require approximately 280 x 27kL bulk water tanker movements over the 9 month construction period or 7-8 movements per week. Appropriate scheduling will limit water deliveries to at most 2 vehicle movements per day and these can be accommodated within the maximum volume of 63 heavy vehicles per day identified in the EIS.

**Oversized Vehicles**

Updated information from the engineering contractors suggests that up to three oversized or over mass vehicles will be required during the construction period. Correspondence from Transport for NSW and Parkes Shire Council confirms these movements do not affect their assessment of the development proposal. See Attachment 1 for communications.

**Visual Impact**

The control room building is now proposed to be 17.5 m wide x 9.0 m deep x 4.5m high. This is a larger building than that identified in the EIS (5 m wide x 3.5 m deep x 2.7 m high). It is also now proposed to include an operations and maintenance shed that would be 18 m wide x 12 m deep x 7 m high. Indicative floor plans and elevations are provided as **Attachment 2**.

Both the control building and operations and maintenance shed would be located within the indicative substation location zone. This location provides for efficiencies in grid connection and centralises infrastructure in the vicinity of the substation compound.

The larger control building and the new operations and maintenance shed will not materially increase impacts on receivers. Both buildings will be constructed using non-reflective finishes and would be located no closer than 1,458 m from any resident.

The control building and operations and maintenance shed would be constructed of materials designed to effectively integrate with the rural environment, including using non-reflective materials and muted tones. This is consistent with existing buildings on site and with other rural buildings in the surrounding locality.

The scale and height of the control building is consistent with the character of residential and non-residential buildings in the locality. It is also consistent with the proposed height of the solar infrastructure.

Similarly, the scale and height of the operations and maintenance shed is in keeping with the rural character, noting that sheds of a similar or greater size and height (up to 10 metres in height and 2,000 m<sup>2</sup> in size) may be constructed in the RU1 zone as exempt development (that is, without recourse to Council or a certifier). This confirms the suitability of these buildings.

On the basis of the above, the proposed buildings are considered to be acceptable in the context of the rural character and are unlikely to lead to unreasonable or significant visual impacts to residential receivers.

Yours sincerely



**ANDREW BROWNLOW**

General Manager - Central West

**Attachment 1 Correspondence from Parkes Shire Council and Transport for NSW**

## Andrew Brownlow

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**From:** Bevan Crofts <Bevan.Crofts@transport.nsw.gov.au>  
**Sent:** Tuesday, 19 May 2020 11:40 AM  
**To:** May Patterson  
**Cc:** Ainsley Bruem; Development Western; Colin Liebmann; Andrew Brownlow  
**Subject:** RE: WST18/00028/05 - Quorn Park Solar Farm (SSD-9097) Draft Conditions - Over-dimensional vehicles

Hi May

As discussed, TfNSW does not object to SSD condition 2(a) specifying a limit of 3 over-dimensional movements under the consent (noting that one 'movement' is defined in the consent as 'one vehicle entering and leaving the site').

The applicant should be satisfied this number provides sufficient flexibility if things change during procurement or construction, to avoid possible delays associated with modifying the consent.

Parkes Shire Council should also be consulted as the roads authority locally.

It is noted that the operational safety of over-dimensional (Over Size Over Mass) vehicles is also controlled by both the National Heavy Vehicle Regulator (NHVR) permit scheme, and the SSD condition 7 that requires a Traffic Management Plan to be developed in consultation with the various authorities. Consideration of safety measures (e.g. pilot vehicles and the like) would normally be required as part of any NHVR permit risk assessment and conditions.

Please phone to discuss if there are any concerns.

Thanks,  
Bevan

Bevan Crofts  
Development Assessment Officer  
Western Region | Regional & Outer Metropolitan  
M: 0431 052 001  
[www.rms.nsw.gov.au](http://www.rms.nsw.gov.au)  
**Transport for NSW**  
51-55 Currajong Street Parkes NSW 2870



**Transport  
for NSW**

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**From:** Colin Liebmann <[colin@redpl.com.au](mailto:colin@redpl.com.au)>  
**Sent:** Monday, 18 May 2020 3:09 PM  
**To:** Development Western <[development.western@rms.nsw.gov.au](mailto:development.western@rms.nsw.gov.au)>  
**Cc:** Andrew Brownlow <[Andrew.Brownlow@premise.com.au](mailto:Andrew.Brownlow@premise.com.au)>  
**Subject:** Quorn Park Solar Farm

Attention Bevan Crofts

Dear Bevan,

We are the developers for Quorn Park Solar Farm. We are fine tuning some details of the development and the Department of Planning has asked us to confirm one with Transport for NSW.

Your submission for an upgrade to the Henry Parkes Way and McGrath Lane intersection is incorporated in the conditions for the development. We have been asked to advise the number of expected oversized vehicles with you. Can you confirm that up to three oversized vehicles will be permitted on the identified delivery route during the construction period, subject to your approval of the Traffic Management Plan prior to construction?

If you can confirm by close of business tomorrow it will allow the department to finalise their assessment.

Many thanks,

**Colin Liebmann**

PO Box 363 Lindfield, NSW 2070, Australia

M: +61 414 942733

E: [colin@redpl.com.au](mailto:colin@redpl.com.au)



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## Andrew Brownlow

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**From:** Sue McGrath <Sue.McGrath@parkes.nsw.gov.au>  
**Sent:** Tuesday, 19 May 2020 12:43 PM  
**To:** Colin Liebmann  
**Subject:** RE: Quorn Park Solar Farm

Hi Colin

I have received a response from Andrew with regards to your request below:

**Andrews response:**

*Council has no issues with providing in principal agreement for water to be accessed from the brick pit.*

*Council reserves the right to provoke this at the time based on volume of water within the brick pit, and subject to agreed access arrangements for Heavy Vehicles.*

Kind Regards

### Sue McGrath

Business Support Coordinator | Parkes Shire Council

**P** 02 6861 2392

**E** Sue.McGrath@parkes.nsw.gov.au

**W** parkes.nsw.gov.au

2 Cecile Street Parkes NSW 2870

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**From:** Sue McGrath  
**Sent:** Tuesday, 19 May 2020 11:30 AM  
**To:** 'Colin Liebmann' <colin@redpl.com.au>  
**Subject:** RE: Quorn Park Solar Farm

Hi Colin

I have received a response from Ben with regards to your request below:

**Ben response:**

I approve of 3 OSOM applications as requested by Colin.

These would need to be applied for under normal circumstances which is through the NHVR portal and application process for Council review.

Kind Regards

### Sue McGrath

Business Support Coordinator | Parkes Shire Council

**P** 02 6861 2392

**E** [Sue.McGrath@parkes.nsw.gov.au](mailto:Sue.McGrath@parkes.nsw.gov.au)

**W** parkes.nsw.gov.au

2 Cecile Street Parkes NSW 2870

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**From:** Colin Liebmann <[colin@redpl.com.au](mailto:colin@redpl.com.au)>

**Sent:** Monday, 18 May 2020 2:56 PM

**To:** Sue McGrath <[Sue.McGrath@parkes.nsw.gov.au](mailto:Sue.McGrath@parkes.nsw.gov.au)>

**Cc:** Andrew Brownlow <[Andrew.Brownlow@premise.com.au](mailto:Andrew.Brownlow@premise.com.au)>; Ben Howard <[Ben.Howard@parkes.nsw.gov.au](mailto:Ben.Howard@parkes.nsw.gov.au)>

**Subject:** Quorn Park Solar Farm

Dear Sue,

We are the developers for Quorn Park Solar Farm. We are fine tuning some details of the development and the Department of Planning has asked us to confirm them with Council.

Late last year our consultant Andrew Brownlow of Premise discussed with you an in principal agreement to source water from Council's brick pit during the construction period. At the time we contemplated 3 Mega Litres being required. Our engineering contractors now believe they will need up to 7.5MegaLitres. Can you confirm Council will provide access to that volume of water subject it being available at the time? We do not yet have construction dates but expect it to be from mid-2021.

Secondly we have agreed road upgrades with Ben Howard including to accommodate oversized vehicles. We have been asked to confirm the number of expected oversized vehicles with Council. Can you confirm that up to three oversized vehicles will be permitted on the identified delivery route during the construction period, subject to Council's approval of the Traffic Management Plan prior to construction?

If you can confirm by close of business tomorrow it will allow the department to finalise their assessment.

Many thanks,

**Colin Liebmann**

PO Box 363 Lindfield, NSW 2070, Australia

M: +61 414 942733

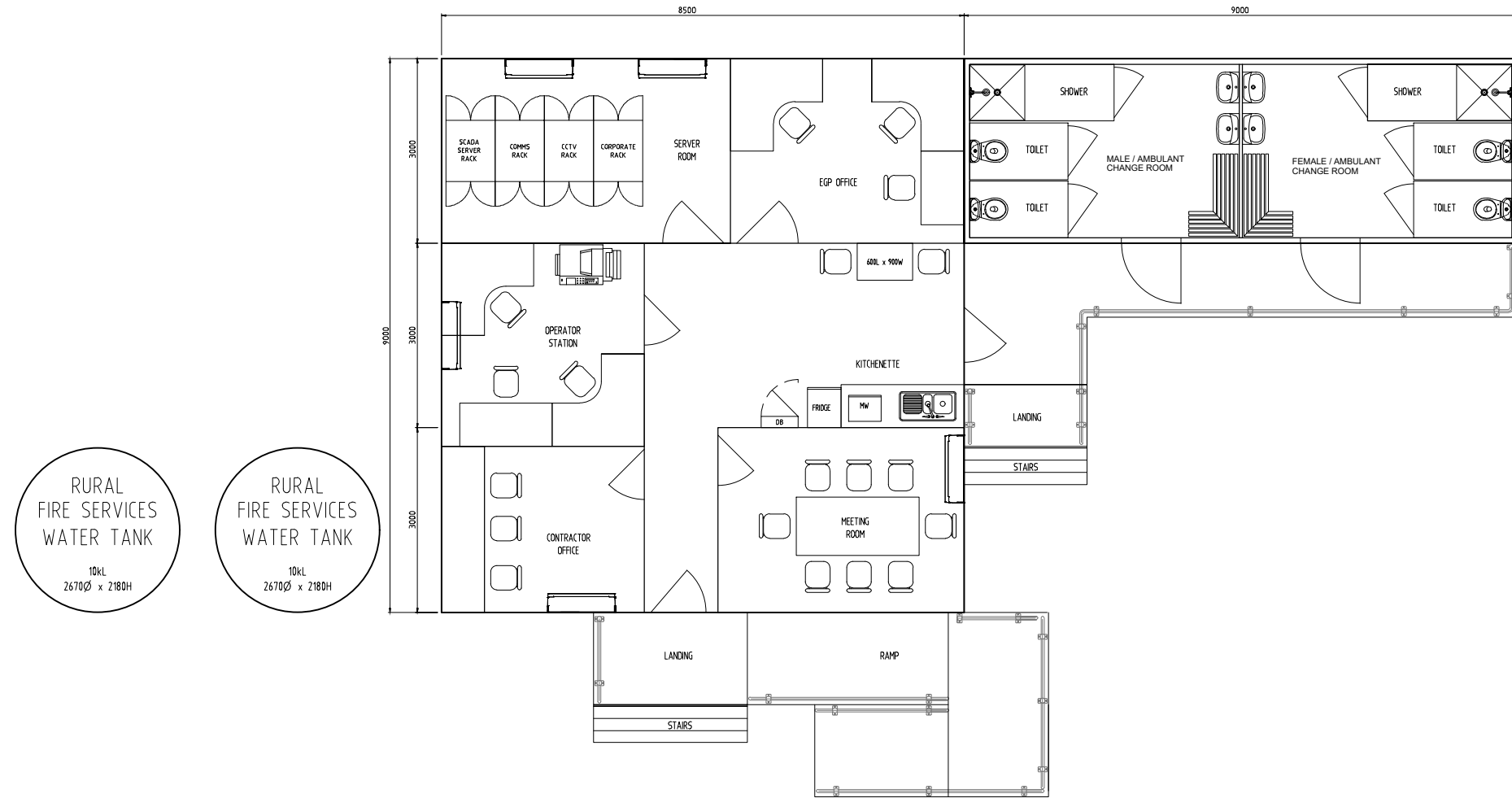
E: [colin@redpl.com.au](mailto:colin@redpl.com.au)

## Attachment 2 Indicative dimensions for buildings

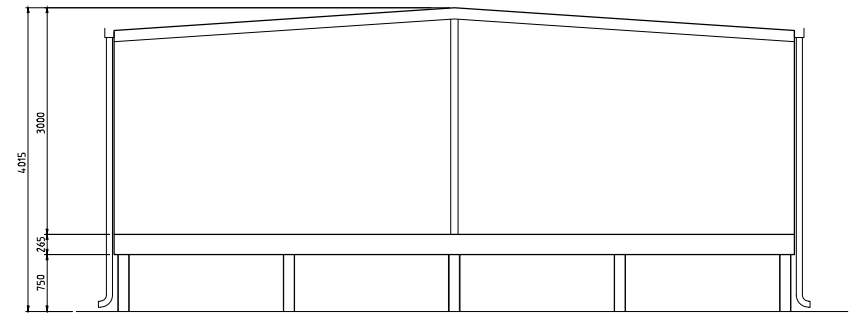




# PROPOSED CONTROL ROOM BUILDING

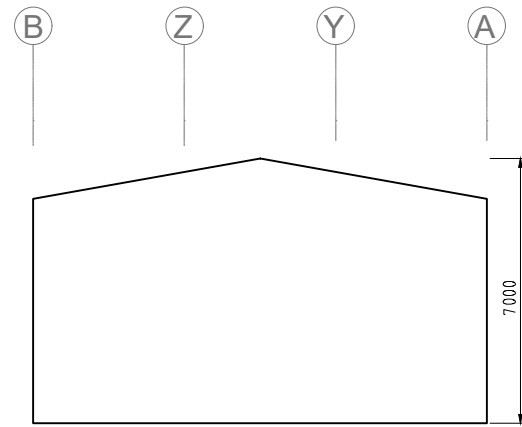


PLAN VIEW

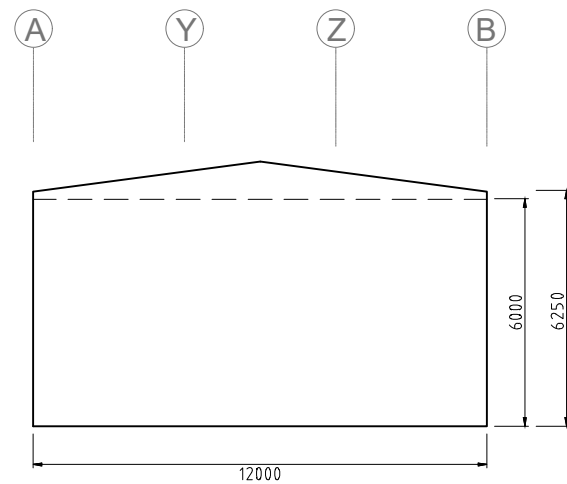


SECTION VIEW

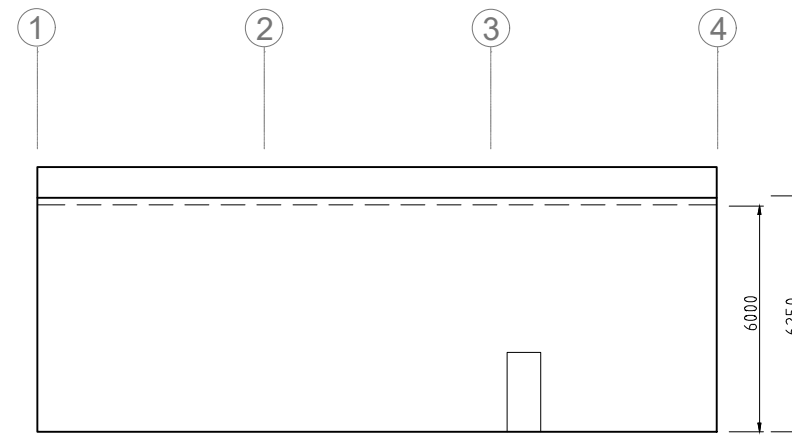
# PROPOSED OPERATIONS AND MAINTENANCE SHED



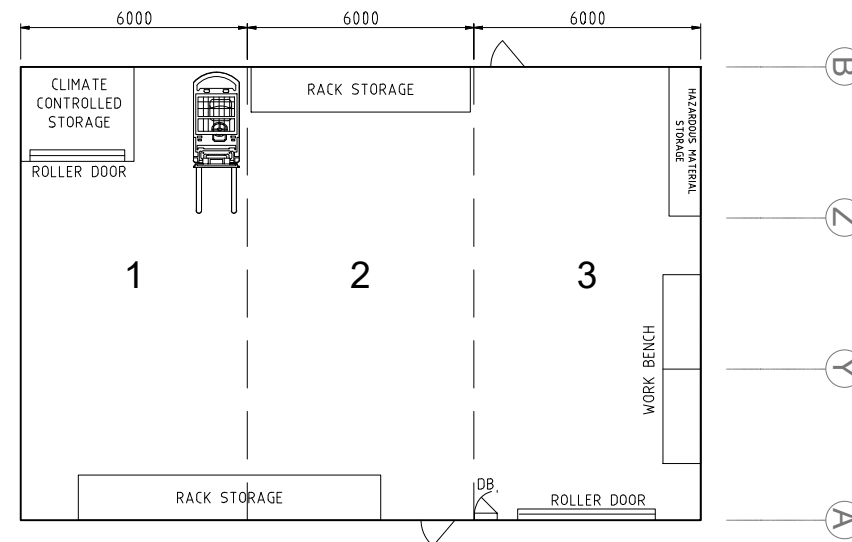
LEFT END



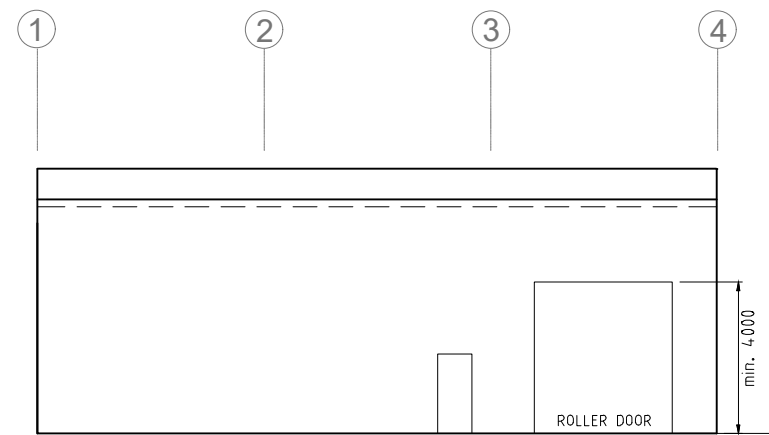
RIGHT END



SIDE 1 ELEVATION



SHED PLAN VIEW



SIDE 2 ELEVATION