

## APPLICATION ON NOTIFICATION – CROWN DEVELOPMENT

<b>Type of development:</b>	SECTION 49 - STATE AGENCY DEVELOPMENT
<b>Development Number:</b>	571/V004/16 V2
<b>Applicant:</b>	Vena Energy Services (Australia) Pty Ltd
<b>Nature of Development:</b>	Expansion of the Coorong Solar Substation – new substation bay, switchgear, control building, associated infrastructure.
<b>Subject Land:</b>	Substation Road, Taillem Bend
<b>Development Plan:</b>	Coorong District Council Development Plan consolidated 29 November 2018
<b>Zone / Policy Area:</b>	Urban Employment Zone
<b>Contact Officer:</b>	Laura Kerber
<b>Phone Number:</b>	7109 7073
<b>Consultation Start Date:</b>	27 February 2020
<b>Consultation Close Date:</b>	30 March 2020
<p><b>During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders St, Adelaide, during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).</b></p>	

Written representations must be received by the close date (indicated above) and can either be posted, hand-delivered, or emailed to the State Commission Assessment Panel (SCAP). A representation form is provided as part of this document.

**Any representations received after the close date will not be considered.**

Postal Address:

The Secretary  
State Commission Assessment Panel  
GPO Box 1815  
ADELAIDE SA 5001

Street Address:

Development Division  
Department of Planning, Transport and Infrastructure  
Level 5, 50 Flinders Street  
ADELAIDE

Email Address: [scapreps@sa.gov.au](mailto:scapreps@sa.gov.au)

**DEVELOPMENT ACT, 1993 - S49/S49A – CROWN DEVELOPMENT  
REPRESENTATION ON APPLICATION**

**Applicant:** Vena Energy Services (Australia) Pty Ltd  
**Development Number:** 571/V004/16 V2  
**Nature of Development:** Expansion of the Coorong Solar Substation – new substation bay, switchgear, control building, associated infrastructure.  
**Zone / Policy Area:** Urban Employment Zone  
**Subject Land:** Substation Road, Tailem Bend  
**Contact Officer:** Laura Kerber  
**Phone Number:** 7109 7073  
**Close Date:** 30 March 2020

My Name: \_\_\_\_\_ My phone number: \_\_\_\_\_

Primary method(s) of contact: \_\_\_\_\_ Email: \_\_\_\_\_  
Postal Address: \_\_\_\_\_ Postcode: \_\_\_\_\_

**You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard by the State Commission Assessment Panel in support of your submission.**

- My interests are:  
(please tick one)
- owner of local property
  - occupier of local property
  - a representative of a company/other organisation affected by the proposal
  - a private citizen

**The address of the property affected is:** \_\_\_\_\_  
Postcode: \_\_\_\_\_

- My interests are:  
(please tick one)
- I support the development
  - I support the development with some concerns
  - I oppose the development

**The specific aspects of the application to which I make comment on are:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- I:**
- wish to be heard in support of my submission
  - do not wish to be heard in support of my submission
- (please tick one) (Please tick one)

- By:**
- appearing personally
  - being represented by the following person
- (please tick one) (Please tick one)

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

# SECTION 49 & 49A – CROWN DEVELOPMENT DEVELOPMENT APPLICATION FORM

**PLEASE USE BLOCK LETTERS**

**COUNCIL:** COORONG DISTRICT COUNCIL  
**APPLICANT:** VENA ENERGY SERVICES (AUSTRALIA)  
PTY LTD  
**ADDRESS:** 261 LIME KILN ROAD, TALEM BEND  
**CROWN AGENCY:** MAJOR DEVELOPMENT & CROWN

**FOR OFFICE USE**

DEVELOPMENT No: \_\_\_\_\_  
 PREVIOUS DEVELOPMENT No: \_\_\_\_\_  
 DATE RECEIVED:        /        /

**CONTACT PERSON FOR FURTHER INFORMATION**

Name: DUNCAN MORTIMER | KORI LAW  
 Telephone: DM: 0417 997 099 [work] KL: 0459 450 472 [Ah]  
 Fax: \_\_\_\_\_ [work] \_\_\_\_\_ [Ah]  
 Email: DM: DUNCAN.MORTIMER@VENAENERGY.COM  
KL: KORI.LAW@VENAENERGY.COM

<input type="checkbox"/> Complying <input type="checkbox"/> Merit <input type="checkbox"/> Public Notification <input type="checkbox"/> Referrals	Decision: _____ Type: _____ Finalised:        /        /
--	--

**NOTE TO APPLICANTS:**

(1) All sections of this form must be completed. The site of the development must be accurately identified and the nature of the proposal adequately described. If the expected development cost of this Section 49 or Section 49A application exceeds \$100,000 (excl. fit-out) or the development involves the division of land (with the creation of additional allotments) it will be subject to those fees as outlined in Item 1 of Schedule 6 of the *Development Regulations 2008*. Proposals over \$4 million (excl. fit-out) will be subject to public notification and advertising fees.  
 (2) Three copies of the application should also be provided.

	Decision required	Fees	Receipt No	Date
Planning:	_____	_____	_____	_____
Land Division:	_____	_____	_____	_____
Additional:	_____	_____	_____	_____
<b>Minister's Approval</b>				

**EXISTING USE:** COORONG SOLAR SUBSTATION (571/V004/16V1)

**DESCRIPTION OF PROPOSED DEVELOPMENT:** REQUEST FOR VARIATION TO DEVELOPMENT 571/V004/16V1,

COORONG SOLAR SUBSTATION.

**LOCATION OF PROPOSED DEVELOPMENT:** 51 DP 110785

House No: \_\_\_\_\_ Lot No: \_\_\_\_\_ Street: \_\_\_\_\_ Town/Suburb: TALEM BEND  
 Section No [full/part] \_\_\_\_\_ Hundred: SEYMOUR Volume: 6230 Folio: 669  
 Section No [full/part] \_\_\_\_\_ Hundred: \_\_\_\_\_ Volume: \_\_\_\_\_ Folio: \_\_\_\_\_

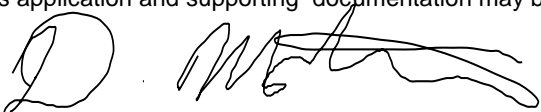
**LAND DIVISION:**

Site Area [m<sup>2</sup>] \_\_\_\_\_ Reserve Area [m<sup>2</sup>] \_\_\_\_\_ No of existing allotments \_\_\_\_\_  
 Number of additional allotments [excluding road and reserve]: \_\_\_\_\_ Lease:        YES         NO

**DEVELOPMENT COST** [do not include any fit-out costs]:        \$ \_\_\_\_\_

**POWERLINE SETBACKS:** Pursuant to Schedule 5 (2a)(1) of the *Development Regulations 2008*, if this application is for a building it will be forwarded to the Office of the Technical Regulator for comment unless the applicant provides a declaration to confirm that the building meets the required setback distances from existing powerlines. The declaration form and further information on electricity infrastructure and clearance distances can be downloaded from the DPLG website ([www.dac.sa.gov.au](http://www.dac.sa.gov.au)).

I acknowledge that copies of this application and supporting documentation may be provided to interested persons in accordance with the *Development Act 1993*.

**SIGNATURE:** \_\_\_\_\_  


Dated: 04 / 02 / 2020

**DEVELOPMENT REGULATIONS 1993**  
**Form of Declaration**  
**(Schedule 5 clause 2A)**

**To:** Department of Planning, Transport & Infrastructure  
Major Development & Crown

**From:** Vena Energy Services (Australia) Pty Ltd

**Date of Application:** 04 / 04 / 2020

**Location of Proposed Development:** 261 LIME KILN ROAD, TAILEM BEND.....

House No: ..... Lot No: .... Street: .....Town/Suburb.....

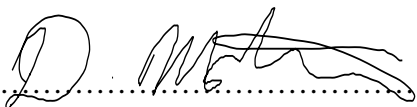
Section No (full/part): .....Hundred: .....

Volume: 6230..... Folio: 669.....

**Nature of Proposed Development:**

I Duncan Mortimer.....**being the applicant/ a person acting on behalf of the applicant (delete the inapplicable statement) for the development described above declare that the proposed development will involve the construction of a building which would, if constructed in accordance with the plans submitted, not be contrary to the regulations prescribed for the purposes of section 86 of the *Electricity Act 1996*. I make this declaration under clause 2A(1) of Schedule 5 of the *Development Regulations 1993*.**

**Date:** 04 / 02 / 2020

**Signed:** .....

**Note 1**

This declaration is only relevant to those development applications seeking authorisation for a form of development that involves the construction of a building (there is a definition of 'building' contained in section 4(1) of the *Development Act 1993*), other than where the development is limited to –

- a) an internal alteration of a building; or
- b) an alteration to the walls of a building but not so as to alter the shape of the building.

#### Note 2

The requirements of section 86 of the *Electricity Act 1996* do not apply in relation to:

- a) a fence that is less than 2.0 m in height; or
- b) a service line installed specifically to supply electricity to the building or structure by the operator of the transmission or distribution network from which the electricity is being supplied.

#### Note 3

Section 86 of the *Electricity Act 1996* refers to the erection of buildings in proximity to powerlines. The regulations under this Act prescribe minimum safe clearance distances that must be complied with.

#### Note 4

The majority of applications will not have any powerline issues, as normal residential setbacks often cause the building to comply with the prescribed powerline clearance distances. Buildings/renovations located far away from powerlines, for example towards the back of properties, will usually also comply.

Particular care needs to be taken where high voltage powerlines exist; where the development:

- is on a major road;
- commercial/industrial in nature; or
- built to the property boundary.

#### Note 5

Information brochures 'Powerline Clearance Declaration Guide' and 'Building Safely Near Powerlines' have been prepared by the Technical Regulator to assist applicants and other interested persons. Copies of these brochures are available from council and the Office of the Technical Regulator. The brochures and other relevant information can also be found at [www.technicalregulator.sa.gov.au](http://www.technicalregulator.sa.gov.au)

#### Note 6

In cases where applicants have obtained a written approval from the Technical Regulator to build the development specified above in its current form within the prescribed clearance distances, the applicant is able to sign the form.

PLN/06/0024



**VENA**  
**ENERGY**  
AUSTRALIA

Coorong Solar Substation

Request for Variation

Crown Development

February 2020

PREPARED FOR

MINISTER FOR PLANNING

DEPARTMENT OF PLANNING, TRANSPORT AND  
INFRASTRUCTURE

Development Number 571/V004/16 V1

---

Site 261 Lime Kiln Road, Taillem Bend (A5 FP 108964)

---

Date February 2020



## Contents

1.0	Introduction .....	2
2.0	Summary .....	4
3.0	Proposal.....	5
3.1	Variation Components .....	5
3.2	Detailed Project Variation Components .....	5
3.2.1	Network Connection Works.....	5
4.0	Summary & Conclusions.....	7



## 1.0 Introduction

This report has been prepared by Vena Energy Services (Australia) Pty Ltd (Vena Energy Australia (VEA)) in support of a variation to Crown Development (Number: 571/V004/16 V1). The variation seeks to amend the 'As Built layout' drawing of the Coorong Solar Substation, built in accordance with the development consent issued over land located at 261 Lime Kiln Road, Taillem Bend and formally described as Volume 6230 Folio 669.

Coorong Solar Substation is located 2km south-east of the township of Taillem Bend and 90km from the CBD of Adelaide. The site is located on the southern side of Substation Road within the Coorong District Council Local Government Area, with access directly to Substation Road. The site area is established on a single allotment with an area of approximately 282.3ha and 2.3km frontage to Substation Road (Figure 1) and 3km to Lime Kiln Road.

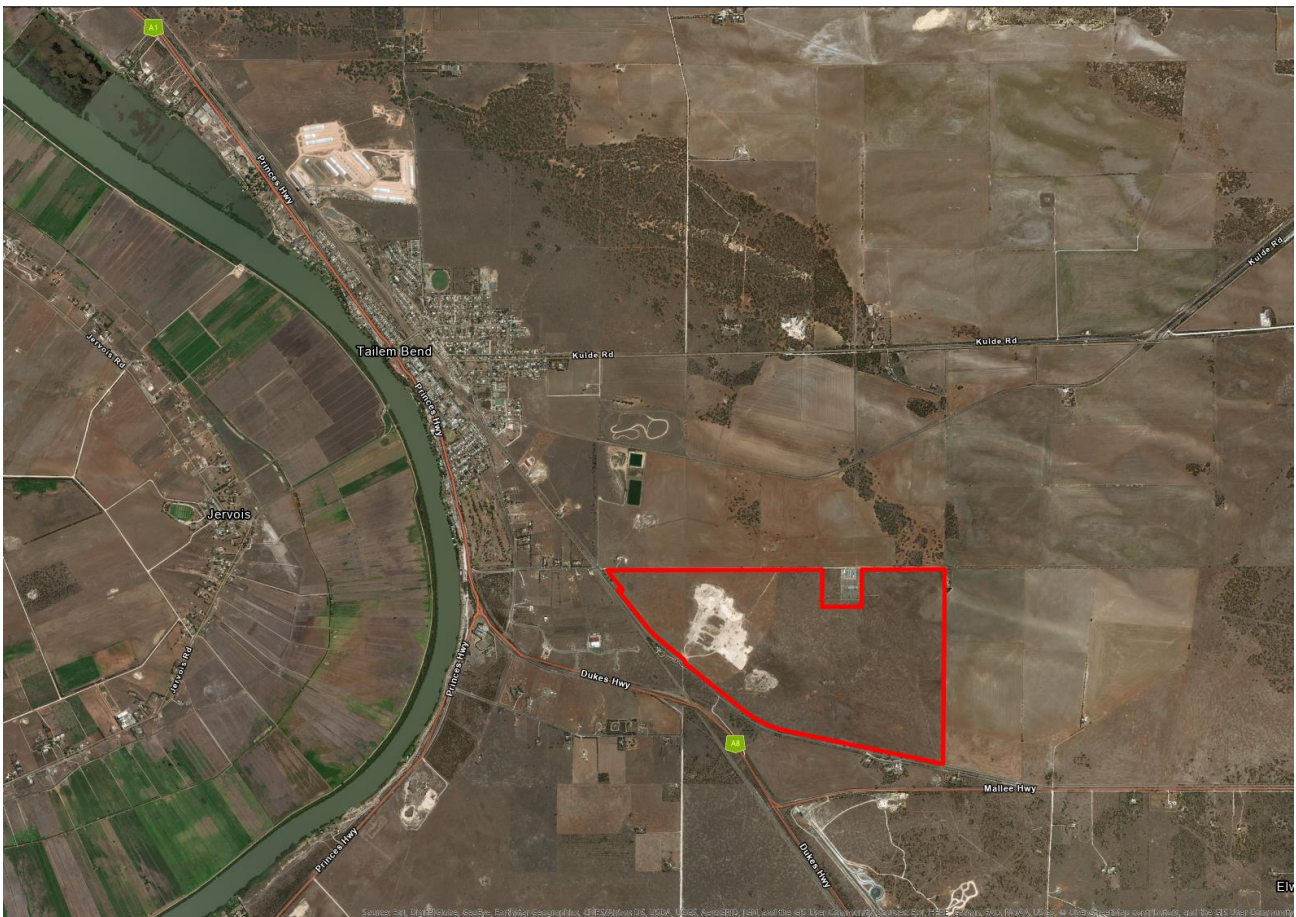


Figure 1: Location of the TBSP within the Local Government Area of Coorong District Council.

Surrounding the site is Lime Kiln Road to the south and west, private properties to the east and the Motorsport Park located approximately 1.7km to south, is now operational. The land use activities within the immediate area relate predominantly to agriculture with scattered rural dwellings evident within the vicinity of the Coorong Solar Substation (CSS), with the TB2SP to be developed to the immediate north of the subject site. There are considerable expanses of electrical infrastructure in immediate proximity to the site as well as high voltage 275kV lines and towers dissecting the subject site;

existing SA Power Networks and ElectraNet substations are located within immediate proximity to the Coorong Solar Substation, as the subject allotment engulfs the infrastructure on Substation Road.

This application to vary the '*As Built layout*' drawing of the Coorong Solar Substation, is to allow for the effective connection of the Tailem Bend Solar Project Stage Two via the necessary upgrades to the Coorong Solar Substation. The intent of the variation is to allow for the addition of a new substation bay in order to abide by regulatory requirements and an allowance for a potential harmonic filter or reactive plant to accommodate the connection of the TB2SP to the NEM.

Therefore, this variation to amend the '*As Built layout*' drawing of the Coorong Solar Substation is respectfully requested of Minister for Planning and the Department of Planning, Transport and Infrastructure.

## 2.0 Summary

PROPOSAL SUMMARY	
<b>Address</b>	261 Lime Kiln Road, Tailem Bend
<b>Real Property Description</b>	Allotment 51 Deposited Plan 110785 in the Hundred of Seymour
<b>Certificate of Title</b>	Volume 6230 Folio 669
<b>Site Area</b>	282.3ha
<b>Frontage</b>	2.3km to Substation Road and 3km to Lime Kiln Road.
<b>Owners</b>	Vena Energy will lease the subject land for the CSS under a long-term lease arrangement (30-years and 20-year extension), as part of the lease for the TB2SP.
<b>Proposal</b>	Variation of Crown Development Approval – Development Number: 571/V004/16 V1: <ul style="list-style-type: none"> <li>• Vary the ‘<i>As Built layout</i>’ drawing of the Coorong Solar Substation;</li> <li>• Addition of a new substation bay to meet regulatory requirements;</li> <li>• Allowance for a potential harmonic filter and/or reactive plant.</li> </ul>
<b>Development Plan</b>	Coorong District Council Development Plan 2018
<b>Zone</b>	Urban Employment
<b>Referral Agencies</b>	To be confirmed by the Department of Planning, Transport and Infrastructure.
<b>Attachments</b>	<ul style="list-style-type: none"> <li>• Proposed Indicative Layout &amp; Preliminary Design Drawings – Attachment 1;</li> <li>• Coorong Solar Substation ‘<i>As Built Drawing</i>’ – Attachment 2.</li> </ul>

## 3.0 Proposal

### 3.1 Variation Components

Pursuant to the *Development Act 1993*, the following changes to the approved development and the corresponding 'As Built Layout Drawing' (Attachment 2) are necessary:

- **Network Connection Works** – addition of a new substation bay to meet regulatory requirements; and
- **Network Connection Works** – allowance for a potential harmonic filter and/or reactive plant.

### 3.2 Detailed Project Variation Components

A few minor amendments have been proposed as part of this CSS variation request; which are evident in the Indicative Layout and Preliminary Design Drawing (Attachment 1) as well as the detailed description provided below, regarding the need for the variation to the CSS 'As Built Layout Drawing'.

#### 3.2.1 Network Connection Works

Overarchingly, the variation will allow the Tailem Bend Solar Project Stage Two (TB2SP) to connect to the National Electricity Market via the Coorong Solar Substation (as the 'facility' substation for the TB2SP and historically the Tailem Bend Solar Project (TBSP)).

In order to facilitate this connection to the NEM, for both the solar and BESS project for TB2SP, a new substation bay is required to be added to the existing Coorong Solar Substation. This additional bay is required to meet regulatory requirements, for the following reasons:

- Despite VEA sizing the existing substation (Coorong Solar Substation) to take the additional generation of the TB2SP, VEA are required to have separate connection points to meet the current AEMO regulatory requirements; and
- This requirement removes VEA's ability to make use of the existing transformers and switchgear (constructed as part of the Coorong Solar Substation for TBSP).

The new substation bay will be located directly to the north of the Coorong Solar Substation. This additional bay will include transformer, switch gear, harmonic filter / reactive plant, switchgear and control building; positioned within the existing substation area established for the TBSP on the Substation Road frontage, approximately 20m (substation area fencing) from the property boundary. The expansion of the substation infrastructure (substation bay) will require the relocation of the existing vegetation screening to Substation Road, established as part of the development of the Coorong Solar Substation.

The electrical connection works for the TB2SP will also include potential electrical equipment such as a harmonic filter, static var compensator or STATCOM, or other electrical equipment to provide grid stability services to the power network. The space required for these items is shown by a rectangular area marked on the drawing labelled "harmonic filter /

reactive plant". The requirement for these items is currently being investigated with ElectraNet and the Australian Electricity Market Operator (AEMO) as part of the connection studies for the project.

The requirement for a new harmonic filter/reactive plant will be determined by the outcome of the detailed Generator Performance Standards (GPS) modelling, and as part of the connection studies mentioned above, which is currently being undertaken and is scheduled for completion at the end of Q3 2020. There are case studies of harmonic filters being required for other project, for example Bannerton, Victoria; the purpose of the filter is to dampen electrical harmonics created by the solar farm and battery inverters to below certain levels allocated by ElectraNet. The Proposed Indicative Layout and Preliminary Design Drawings have allowed an indicative space of 20m by 18m for the installation of a harmonic filter / reactive plant, should it be determined that one is required at the completion of the GPS modelling, connection studies and further discussions with ElectraNet & AEMO. Due to the uncertainty on how the proposed plant will interact with the network, VEA are applying for the inclusion of a harmonic filter / reactive plant (static var compensator or STATCOM) via this variation and will be in a position to confirm the requirement and need for installation at the time of commissioning.

The closest piece of electrical infrastructure to Substation Road will be the proposed harmonic filter/reactive plant, located approximately 24m from the site boundary adjoining Substation Road. The switchgear/control building will be situated approximately 29m, with the transformer setback approximately 44m from the site boundary. Despite the requirement for an additional substation bay, the Coorong Solar Substation will be approximately 1/5<sup>th</sup> of the size of the existing ElectraNet Substation, located ~240m to the east of Coorong Solar Substation.

## 4.0 Summary & Conclusions

This report has been prepared by Vena Energy Services (Australia) Pty Ltd (Vena Energy Australia (VEA)) in support of a variation to Crown Development (Number: 571/V004/16 V1). The variation seeks to amend the 'As Built layout' drawing of the Coorong Solar Substation, built in accordance with the development consent issued over land located at 261 Lime Kiln Road, Tailem Bend and formally described as Volume 62305 Folio 669.

Tailem Bend Solar Project Stage One is located 2km south-east of the township of Tailem Bend and 90km from the CBD of Adelaide. The site is located on the southern side of Substation Road within the Coorong District Council Local Government Area, with access directly to Substation Road. The site area is established on a single allotment with an area of approximately 282.3ha and 2.3km frontage to Substation Road (Figure 1) and 3km to Lime Kiln Road.

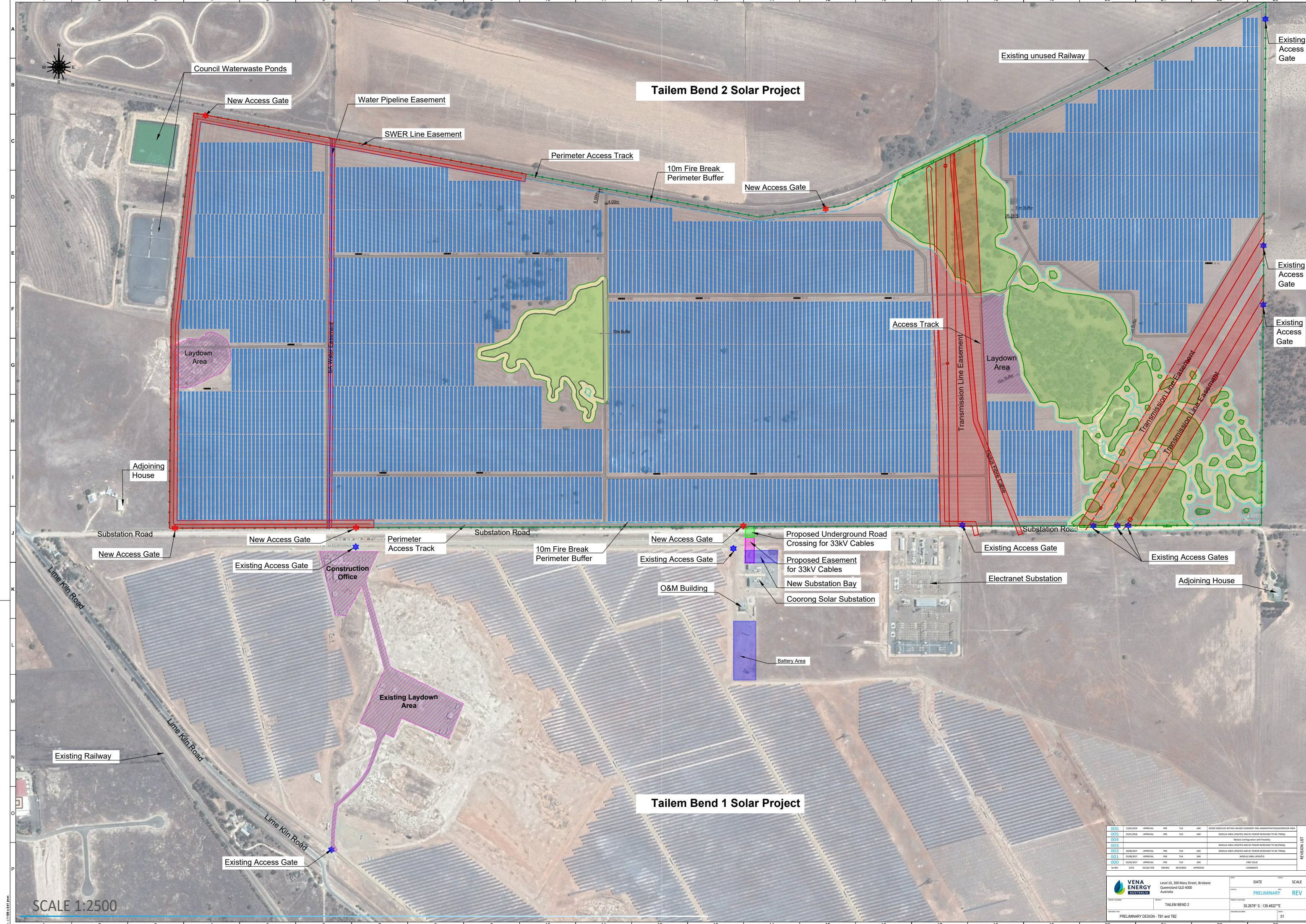
This application for a variation has been made, to amend the 'As Built layout' drawing of the Coorong Solar Substation to allow for the effective connection of the Tailem Bend Solar Project Stage Two via the necessary upgrades to the Coorong Solar Substation. The intent of the variation is to allow for the addition of a new substation bay in order to abide by regulatory requirements and an allowance for a potential harmonic filter or reactive plant to accommodate the connection of the TB2SP to the NEM.

VEA submits this variation with the understanding that the general concept and proposal of the Coorong Solar Substation hasn't altered the intent of the overarching development, but rather allows for additional support to surrounding renewable developments, namely TB2SP and its future solar and BESS components; simply providing for a strategic allowances of existing construction infrastructure for the construction program of TB2SP; for these reasons VEA anticipate that the project will be supported, subject to a number of reasonable and relevant conditions pertaining to the detailed design of the development.



ATTACHMENT 1

PROPOSED INDICATIVE LAYOUT & PRELIMINARY DESIGN  
DRAWING



**Taillem Bend 1 Solar Project**

SCALE 1:2500

NO.	DATE	BY	CHKD	APP'D	REVISION	
005	11/02/2019	APPROVAL	PKK	TJK	JAV	ADDED MODULES WITHIN UNDEVELOPED AND ADMINISTRATION/WORKSHOP AREA
004	23/02/2019	APPROVAL	PKK	TJK	JAV	MODULE AREA CORRECTED TO REFLECT POWER INCREASED TO 36.7MW
003	21/02/2019	APPROVAL	PKK	TJK	JAV	MODULE AREA CORRECTED TO REFLECT POWER INCREASED TO 36.7MW
002	21/02/2019	APPROVAL	PKK	TJK	JAV	MODULE AREA CORRECTED TO REFLECT POWER INCREASED TO 36.7MW
001	21/02/2019	APPROVAL	PKK	TJK	JAV	MODULE AREA CORRECTED TO REFLECT POWER INCREASED TO 36.7MW
000	18/02/2019	APPROVAL	PKK	TJK	JAV	MODULE AREA CORRECTED TO REFLECT POWER INCREASED TO 36.7MW
000	18/02/2019	APPROVAL	PKK	TJK	JAV	MODULE AREA CORRECTED TO REFLECT POWER INCREASED TO 36.7MW
000	18/02/2019	APPROVAL	PKK	TJK	JAV	MODULE AREA CORRECTED TO REFLECT POWER INCREASED TO 36.7MW
000	18/02/2019	APPROVAL	PKK	TJK	JAV	MODULE AREA CORRECTED TO REFLECT POWER INCREASED TO 36.7MW

**VENA ENERGY AUSTRALIA**

Level 10, 200 Mary Street, Brisbane  
Queensland QLD 4000  
Australia

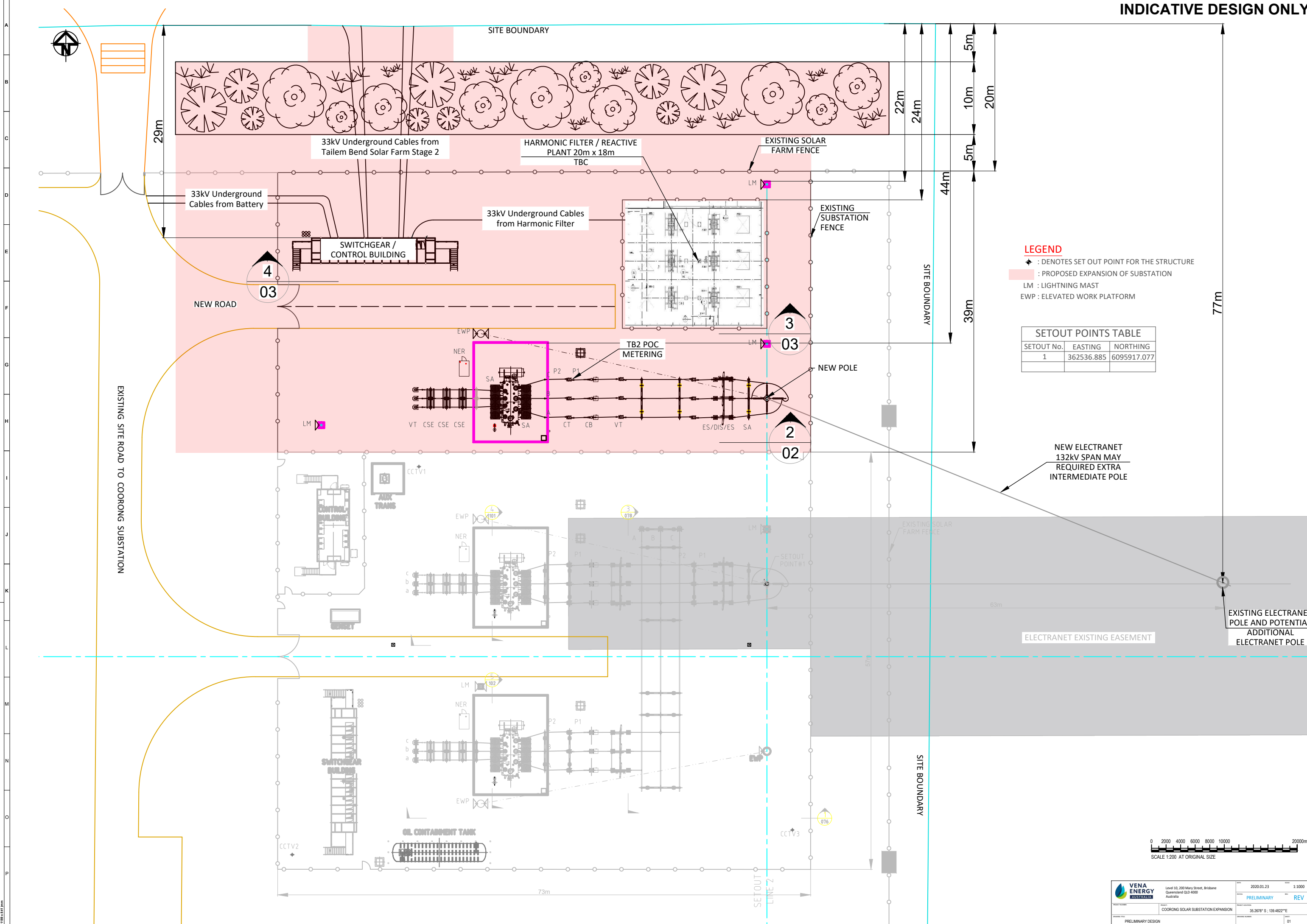
DATE: PRELIMINARY  
SCALE: REV

TITLE: TAILLEM BEND 2  
PROJECT: 35.2678° S, 158.4822° E

PRELIMINARY DESIGN - T81 and T82

01





**LEGEND**

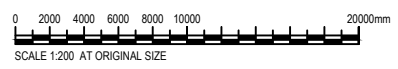
- ◆ : DENOTES SET OUT POINT FOR THE STRUCTURE
- : PROPOSED EXPANSION OF SUBSTATION
- LM : LIGHTNING MAST
- EWP : ELEVATED WORK PLATFORM

**SETOUT POINTS TABLE**

SETOUT No.	EASTING	NORTHING
1	362536.885	6095917.077

NEW ELECTRANET 132kV SPAN MAY REQUIRED EXTRA INTERMEDIATE POLE

EXISTING ELECTRANET POLE AND POTENTIAL ADDITIONAL ELECTRANET POLE



**VENA ENERGY AUSTRALIA**

Level 10, 200 Mary Street, Brisbane Queensland QLD 4000 Australia

DATE: 2020.01.23 SCALE: 1:1000

PROJECT: COORONG SOLAR SUBSTATION EXPANSION

COORDINATES: 35.2678° S, 159.4822° E

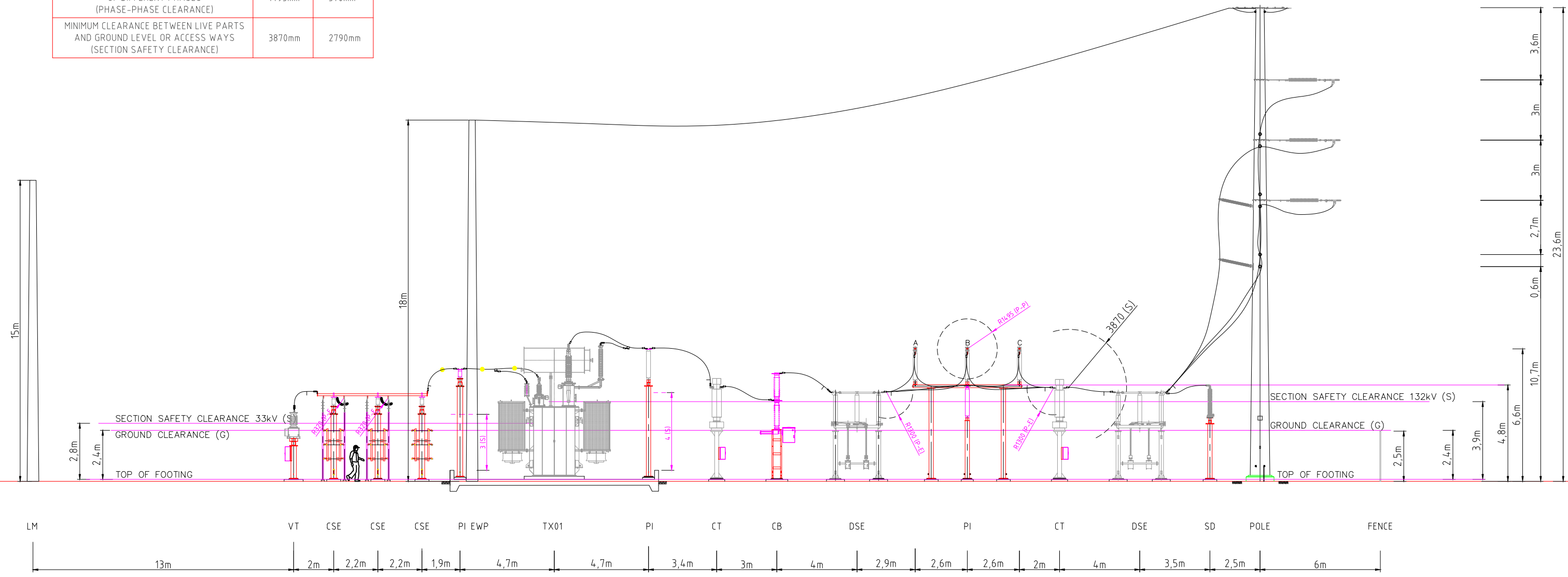
PRELIMINARY DESIGN

REV: PRELIMINARY REV 01

NOTES:

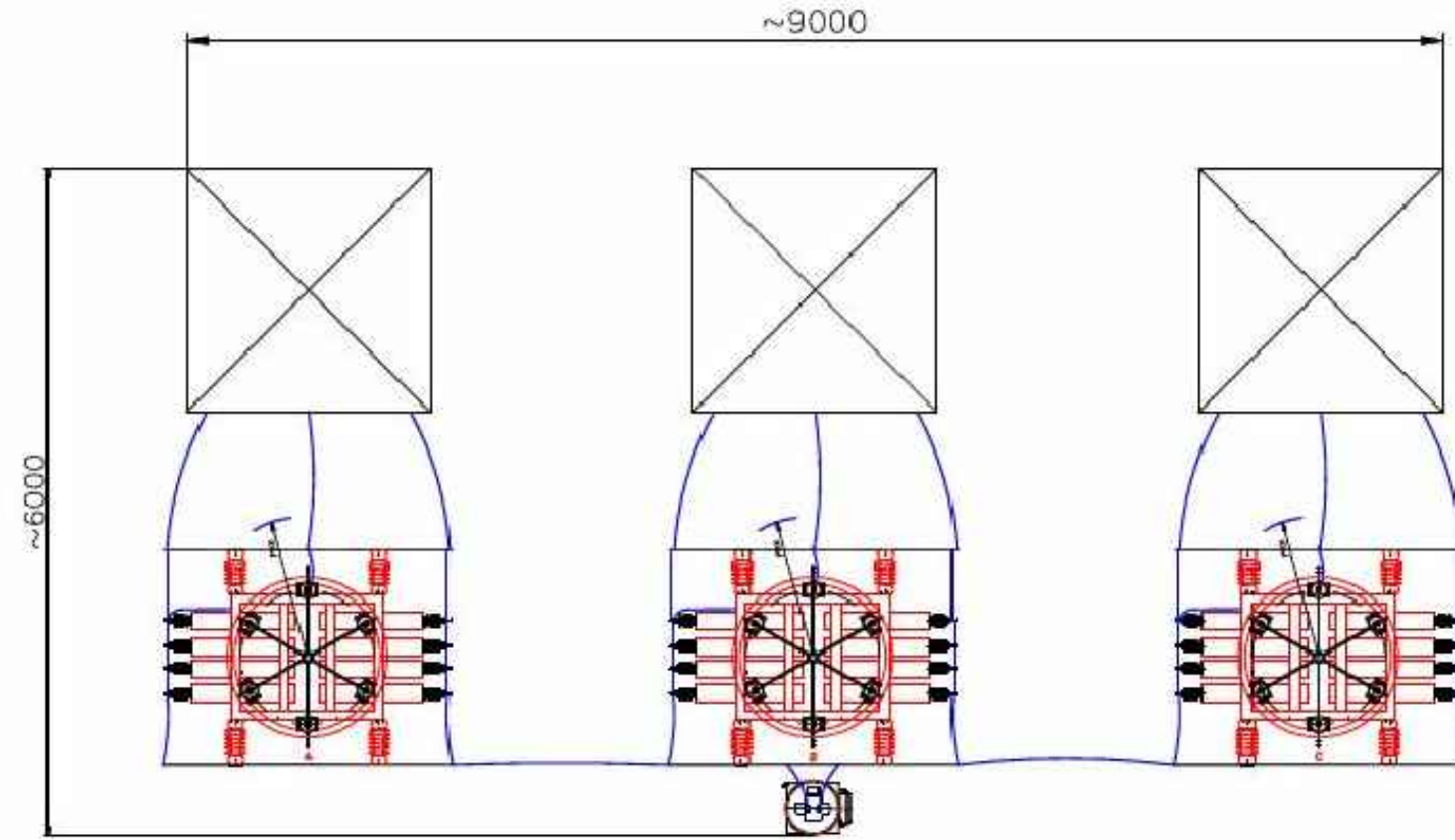
1. FLEXIBLE CONDUCTOR PROFILES INDICATIVE ONLY. PROFILE SHALL PERMIT FLEXING DUE TO SEISMIC MOVEMENT AND TEMPERATURE VARIATION.
2. ELECTRICAL CLEARANCES SHALL BE MAINTAINED AS SPECIFIED IN ELECTRICAL CLEARANCES TABLE.
3. TERMINALS SHALL BE TO AS 62271.301.
4. ALUMINIUM WELDING SHALL BE TO RELEVANT AUSTRALIAN STANDARDS.
5. BOLTED JOINTS SHALL BE TO AS 62271.301.
6. 33kV CABLE SEALING END BUSBAR CABLE CONNECTION TERMINAL PALM SETOUT DIMENSION IS TO CENTRE OF TERMINAL PALM.

ELECTRICAL CLEARANCES (NOTE 2)		
NOMINAL VOLTAGE (PHASE-PHASE)	132kV	33kV
RATED VOLTAGE	145kV	36kV
MINIMUM CLEARANCE BETWEEN LIVE PARTS AND EARTHED PARTS (PHASE-EARTH CLEARANCE)	1300mm	320mm
MINIMUM CLEARANCE BETWEEN LIVE PARTS OF DIFFERENT PHASES (PHASE-PHASE CLEARANCE)	1495mm	370mm
MINIMUM CLEARANCE BETWEEN LIVE PARTS AND GROUND LEVEL OR ACCESS WAYS (SECTION SAFETY CLEARANCE)	3870mm	2790mm

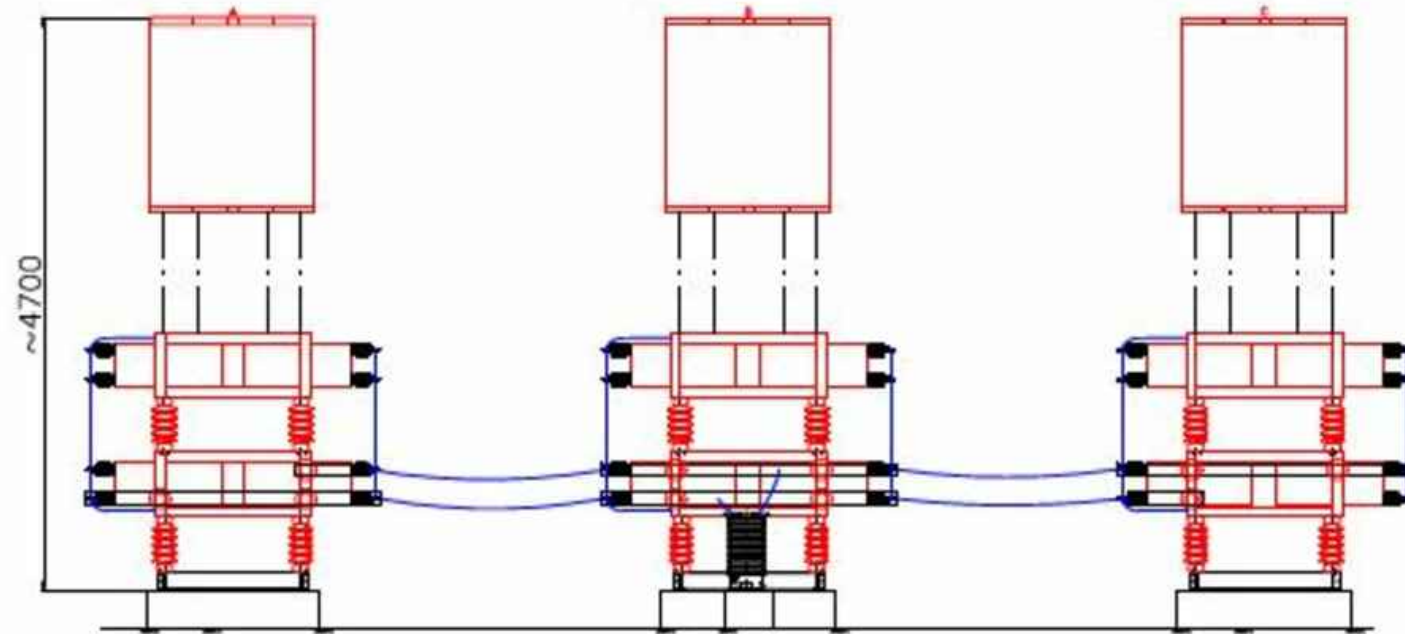


2  
02 TYPICAL ELEVATION VIEW  
SCALE:1:110

	Level 10, 200 Mary Street, Brisbane Queensland QLD 4000 Australia	DATE	2020.01.23	SCALE	1:110
		DRAWING TITLE	PRELIMINARY DESIGN - 132kV SUBSTATION ELEVATION SECTION VIEW	STATUS	PRELIMINARY
PROJECT NUMBER	COORONG SOLAR SUBSTATION EXPANSION	PROJECT LOCATION	35.2678° S ; 139.4822° E		
DRAWING NUMBER		DRAWING NUMBER		SHEET	02

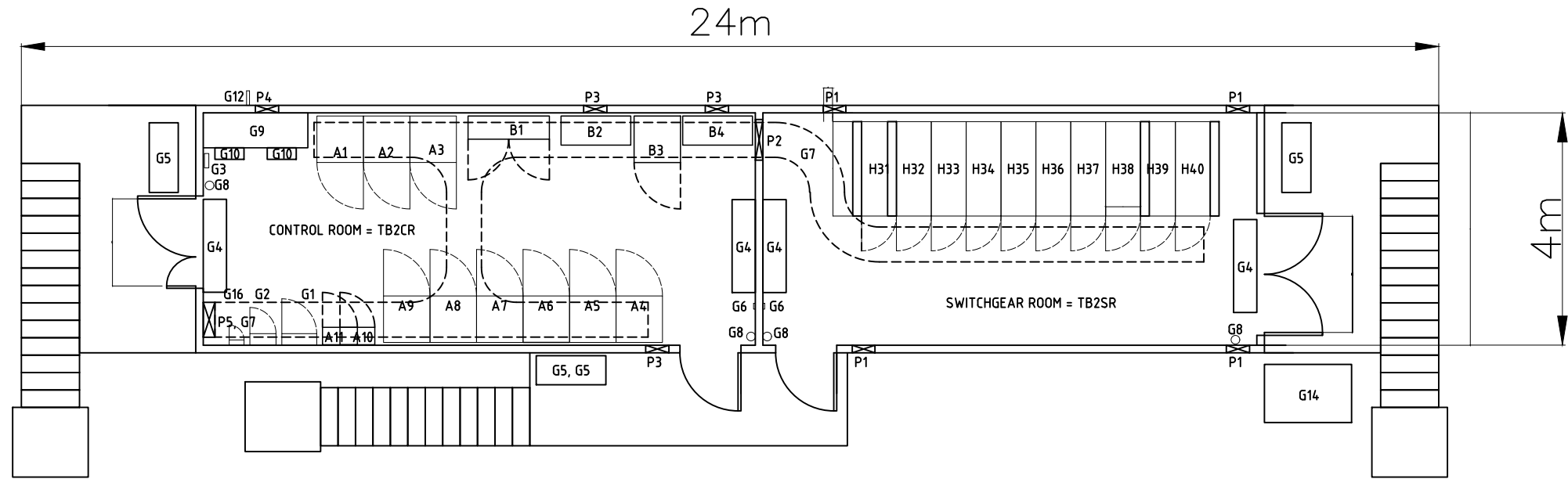


3  
03 TYPICAL HARMONIC FILTER TOP VIEW SCALE:1:40

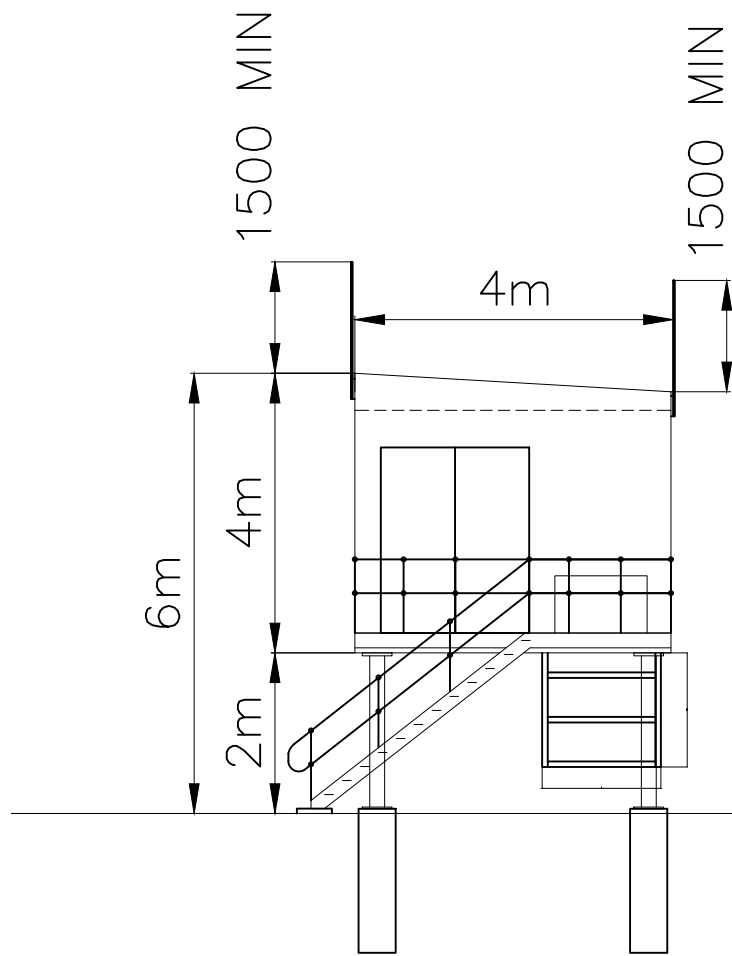


3  
03 TYPICAL HARMONIC FILTER ELEVATION VIEW SCALE:1:40

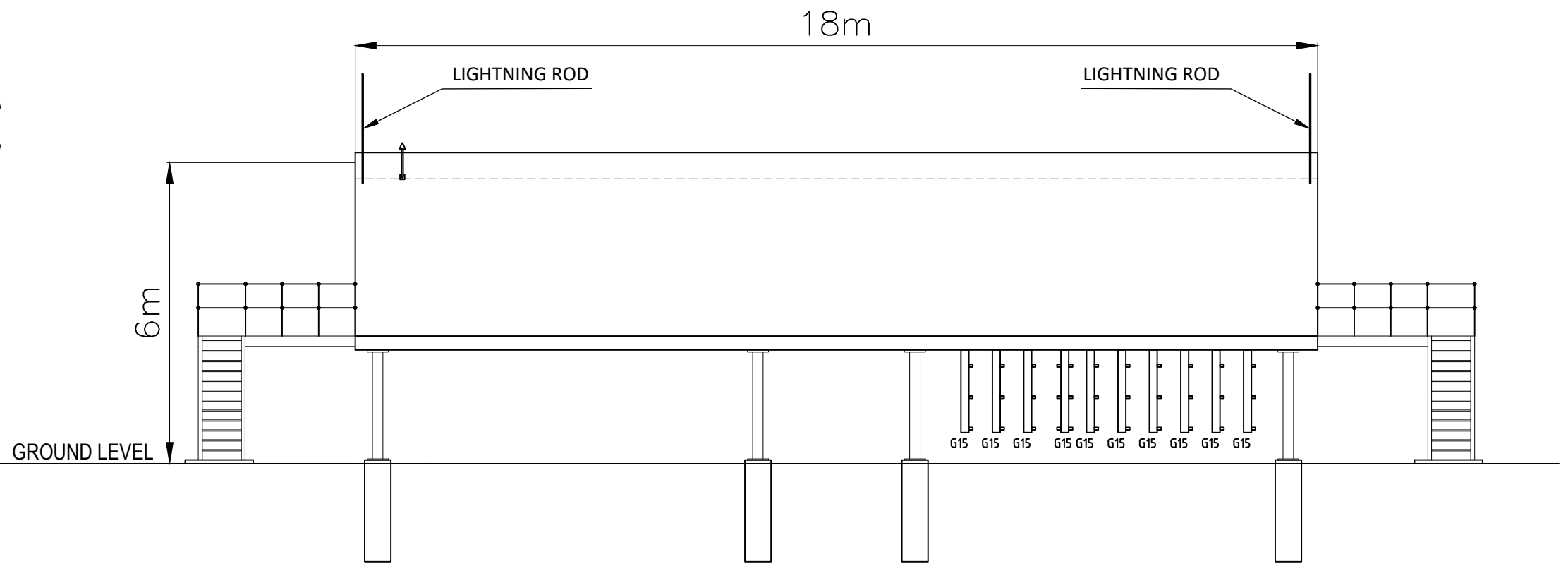
	Level 10, 200 Mary Street, Brisbane Queensland QLD 4000 Australia	DATE	2020.01.23	SCALE	1:40
		STATUS	PRELIMINARY	REV	REV
PROJECT NUMBER	COORONG SOLAR SUBSTATION EXPANSION	PROJECT LOCATION	35.2678° S ; 139.4822° E		
DRAWING TITLE	PRELIMINARY DESIGN - HARMONIC FILTER ELEVATION SECTION VIEW		DRAWING NUMBER	02	



TOP VIEW



SIDE VIEW



REAR VIEW

4  
04

TYPICAL SWITCHROOM ELEVATION VIEW

SCALE:1:50

	Level 10, 200 Mary Street, Brisbane Queensland QLD 4000 Australia	DATE: 2020.01.23	SCALE: 1:50
		STATUS: PRELIMINARY	REV: REV
PROJECT NUMBER:	PROJECT: COORONG SOLAR SUBSTATION EXPANSION	PROJECT LOCATION: 35.2678° S ; 139.4822° E	SHEET: 02
DRAWING TITLE: PRELIMINARY DESIGN - CONTROL/SWITCHROOM ELEVATION SECTION VIEW		DRAWING NUMBER:	SHEET: 02



ATTACHMENT 2

COORONG SOLAR SUBSTATION AS BUILT LAYOUT

