



This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright.


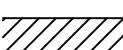

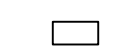

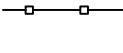




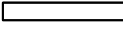

GENERAL NOTES:

- EQUIPMENT LAYOUT AND SITE BOUNDARY BASED ON THE PROVIDED INFORMATION AND SATELLITE IMAGE NOT ACTUAL SURVEY DATA
- FOR PRELIMINARY DESIGN ONLY. ACTUAL DETAIL TO BE FINALISED DURING DETAILED DESIGN
- TRACKER DIMENSION IS ESTIMATED ONLY
- DIMENSION SHOWN FOR MVPS, SWITCHGEAR, AND BESS ARE INDICATIVE. THIS IS SUBJECT TO FINAL SELECTION OF THE TECHNOLOGIES AND THEIR INSTALLATION REQUIREMENT

PROJECT SPECIFICATIONS

AC CAPACITY AT POINT OF CONNECTION	TBC	MW ac
INSTALLED AC CAPACITY	4.60	MW ac
DC CAPACITY AT STC	6.13	MW dc
DC:AC RATIO	1.31	
TRACKER CONFIGURATION	1P	
3-STRING TRACKER DIMENSIONS (78 MODULE)	100 x 2.31	m
2-STRING TRACKER DIMENSIONS (52 MODULE)	68 x 2.31	m
1-STRING TRACKER DIMENSIONS (26 MODULE)	40 x 2.31	m
TRACKER PITCH	5	m
TRACKER AZIMUTH	0	°
INVERTER CAPACITY	4.60	MVA
MODULE TYPE	Mono PERC Bi-Facial	
MODULE POWER	530	W
MODULES PER STRING	28	
MODULES PER TRACKER	28/ 56 / 84	
TOTAL INVERTERS	1	
TOTAL TRACKERS (84 MODULE)	112	
TOTAL TRACKERS (56 MODULE)	8	
TOTAL TRACKER (28 MODULE)	61	
TOTAL MODULES	11,564	
SITE AREA	9.0	Ha
SITE PERIMETER	1.378	m

LEGEND:

	GATE
	ACCESS ROAD
	MVPS AREA
	INVERTER
	POINT OF CONNECTION
	PROPOSED FENCE
	OH POWERLINE
	OH POWERLINE EASEMENT
	CADASTRAL BOUNDARY
	3-STRING TRACKERS
	2-STRING TRACKERS
	1-STRING TRACKERS

I	ADJUST FENCE LINE	PC	22/06/21
H	UPDATE PER PLANNING REQ	PC	11/06/21
G	ADDED GATE AND ADJUSTED FENCE	PC	18/03/21
REV:	DESCRIPTION:	BY:	DATE:

STATUS: CONCEPT DESIGN
NOT FOR CONSTRUCTION

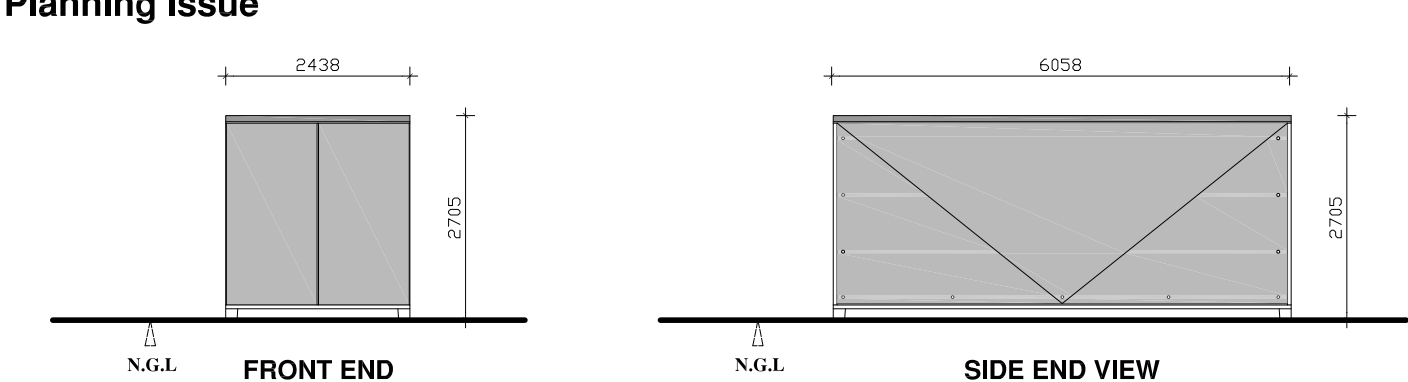
CLIENT:	TETRIS ENERGY
DESIGNER:	PCC & ASSOCIATES
SITE:	MANGALORE SOLAR FARM MANGALORE VIC 3663
TITLE:	OVERALL SITE LAYOUT

SCALE AT A1: 1:1250m	DATE: 22/06/21	DRAWN: PC	AUTHORISED: PC
PROJECT NO: P20-0011	DRAWING NO: P20-0011-01	REVISION: 1	

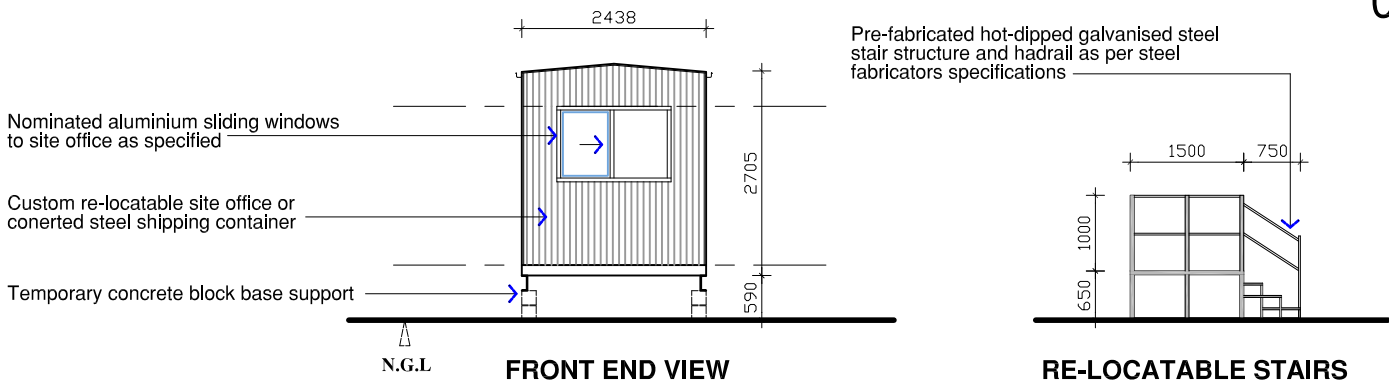


Planning Issue

ADVERTISED
PLAN



Typical Power Conditioning Unit 1:100



Typical Site Office 1:100

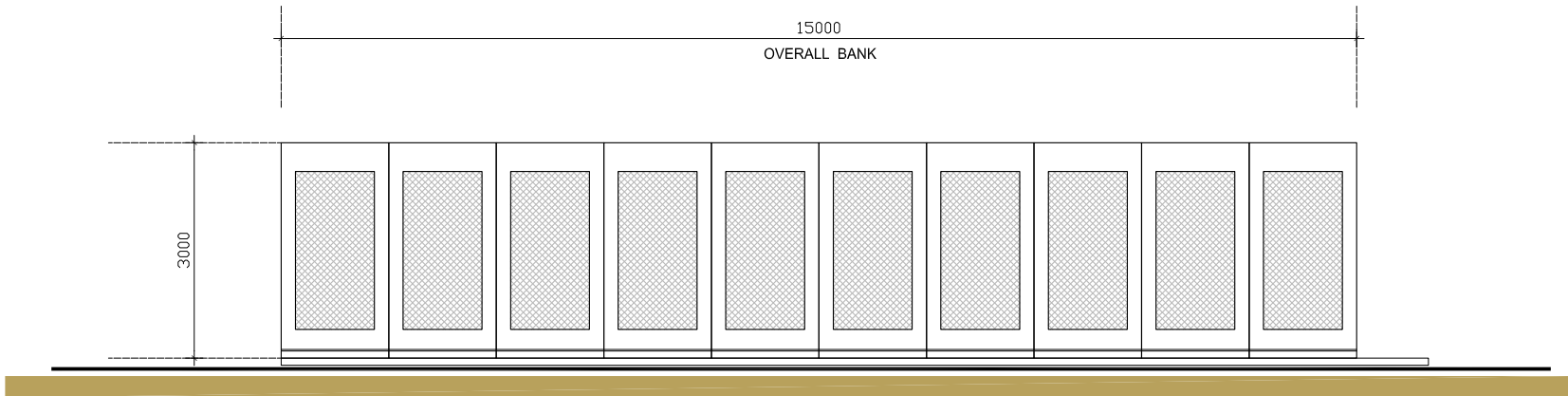
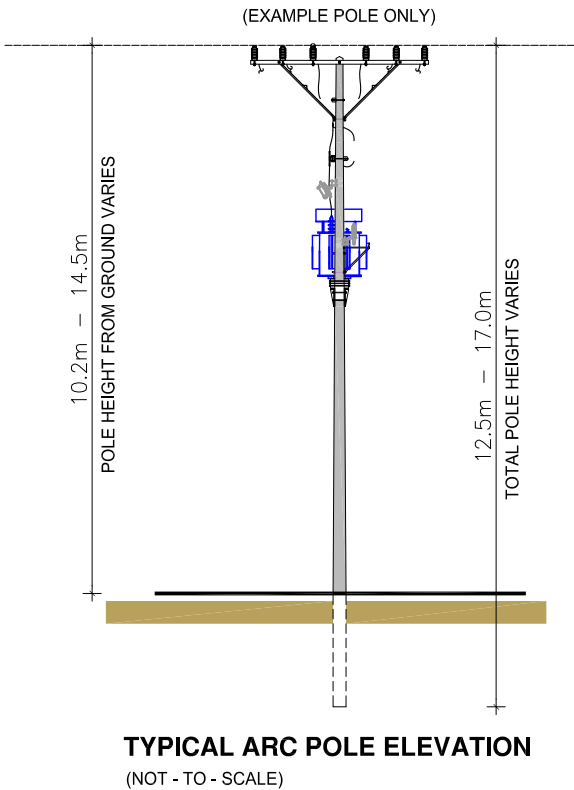


This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

Power Conditioning unit



Typical Battery storage unit



Typical Battery Storage Bank 1:100

Client:
Tetris Energy Pty Ltd

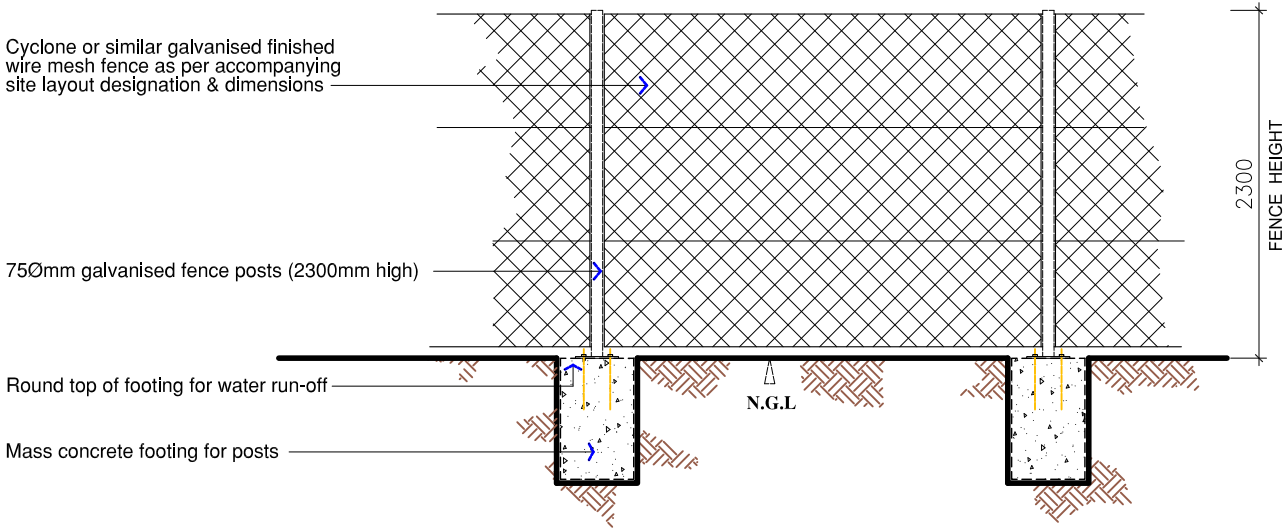
Project:
Proposed Solar Array Project

Project Address:
No. 101 Coombs Road, Mangalore

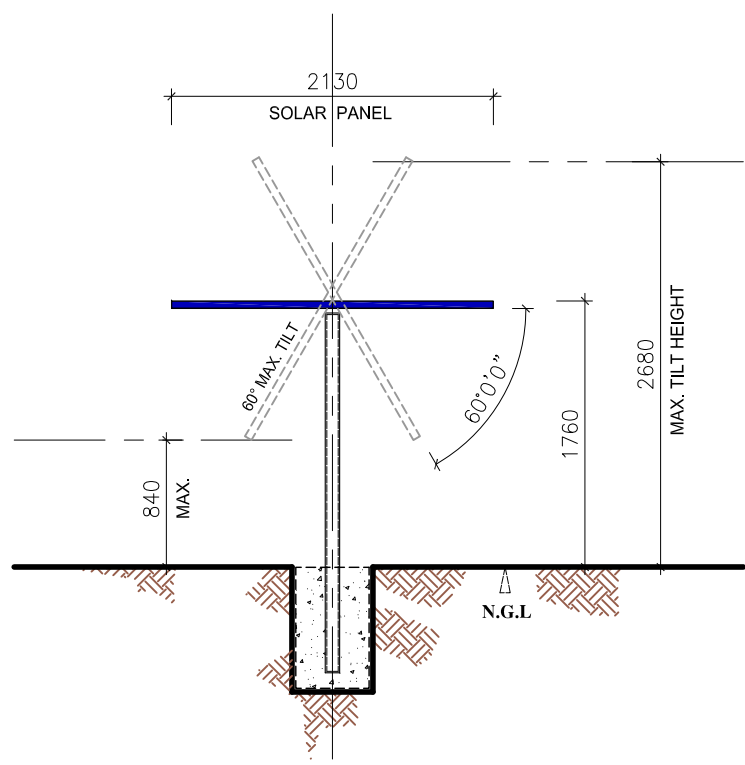
M 0439 722 782 DP-AD 38695 Reg
dennisl@arkgroupdesign.com.au



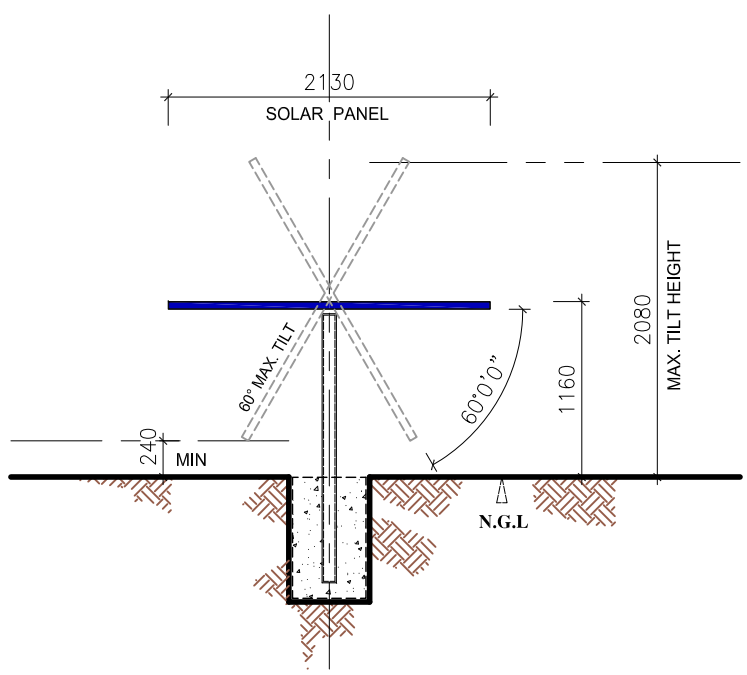
Revision:	
Scale	
A3	1:50 1:100
Drawing Issue:	02 of 02
Date	16/03/2021
	A - 161220



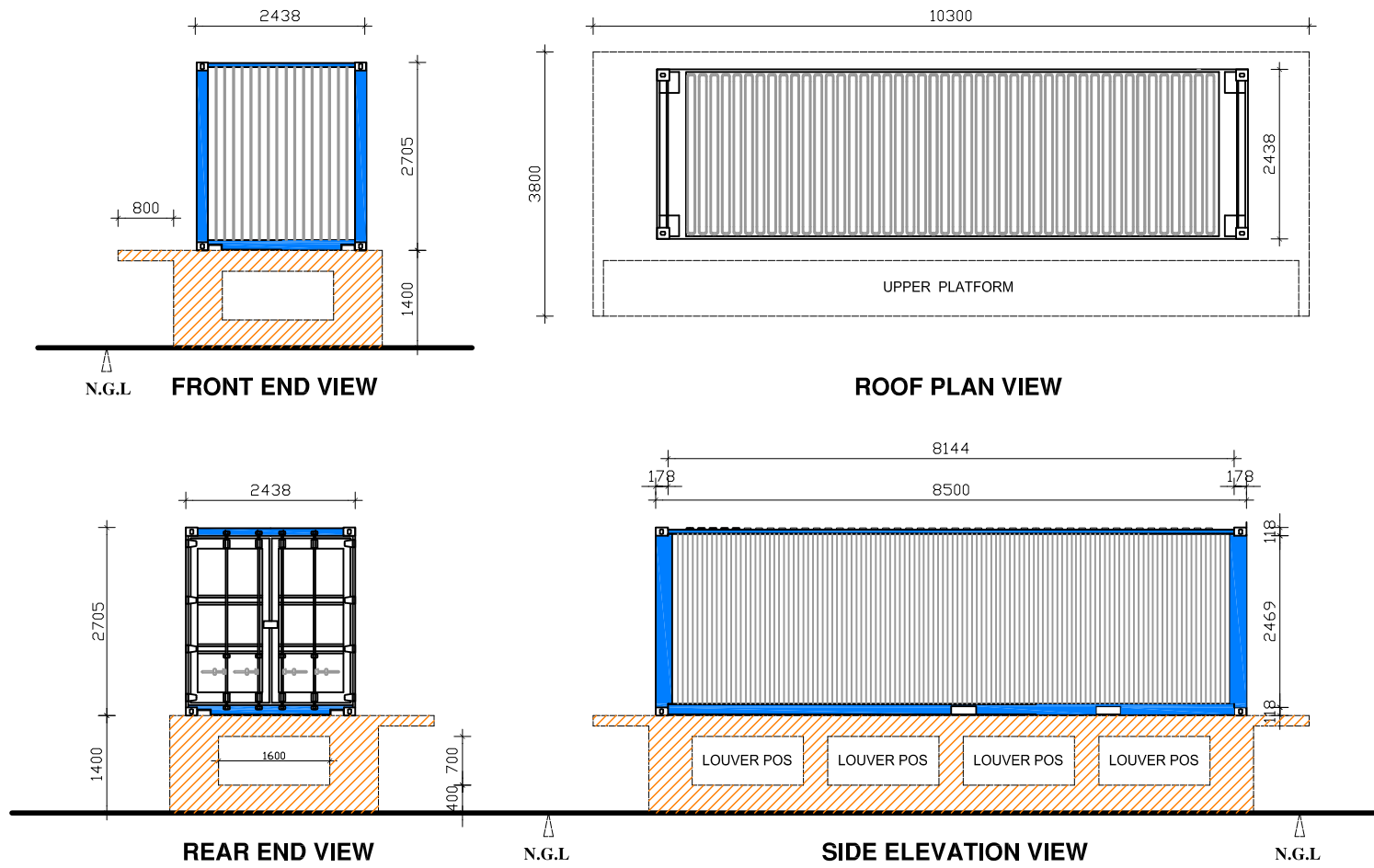
Proposed security fence section 1:50



Typical tracker elevation 1:50



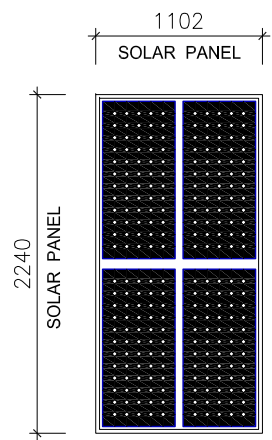
Typical tracker elevation 1:50



RG Unit storage container 1:100

ADVERTISED PLAN

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright



TYPICAL PV MODULE 1:50
LOW REFLECTIVITY CONSTRUCTION

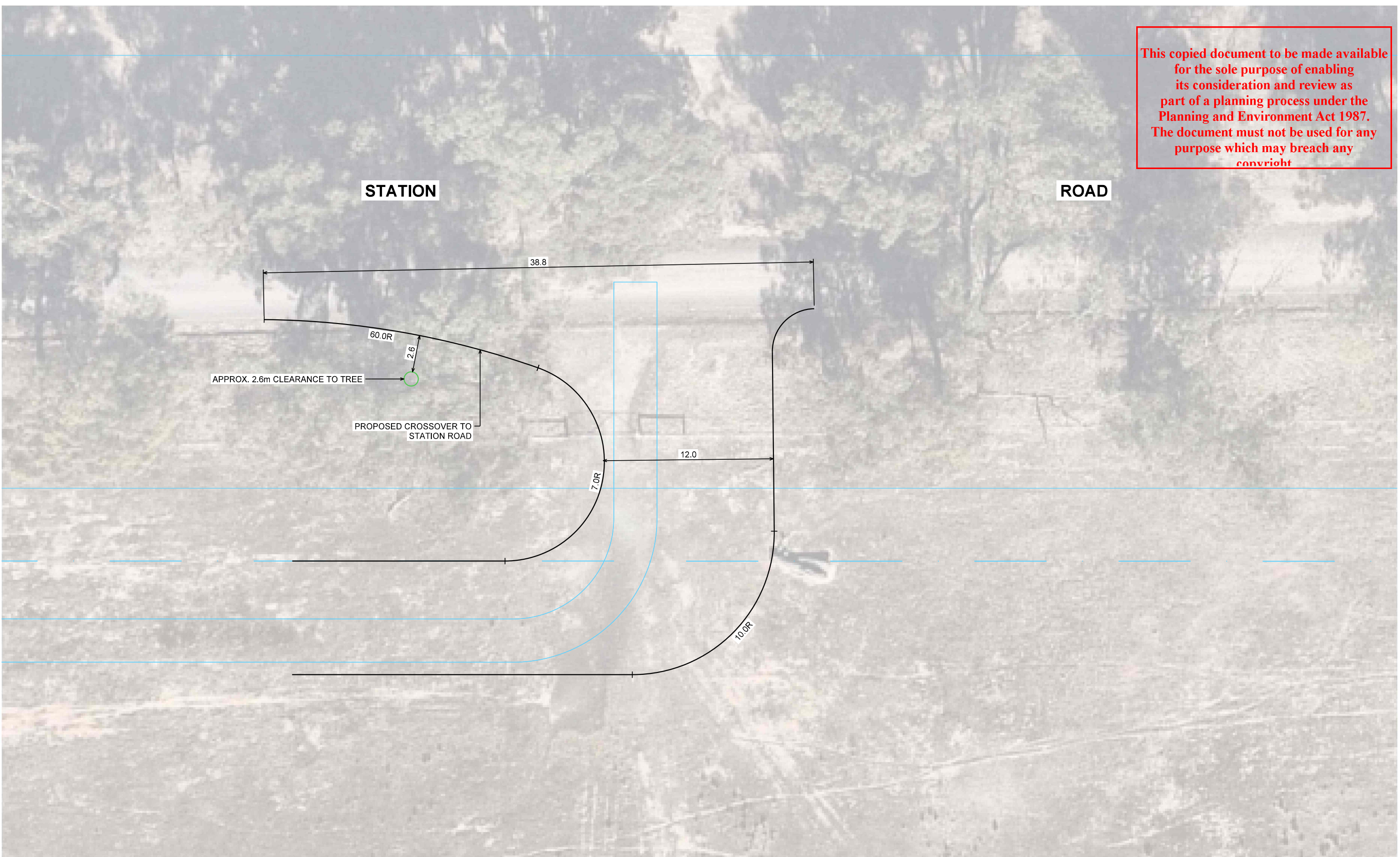
Client:	TetrIs Energy Pty Ltd
Project:	Proposed Solar Array Project
Project Address:	No. 101 Coombs Road, Mangalore

M 0439 722 782 DP-AD 38695 Reg
dennls@arkgroupdesign.com.au



Revision:	
Scale:	A3
1:50 1:100	Date 16/03/2021
Drawing Issue:	01 of 02 A - 161220

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright



- GENERAL NOTES:
1. ALL DIMENSIONS ARE TO FACE OF KERB AND CHANNEL UNLESS NOTED OTHERWISE.
 2. LOCAL ROADS - STATION ROAD (SPEED ZONE 100 KM/H).
 3. BASE INFORMATION FROM NEARMAP AERIAL PHOTOGRAPHY DATED 25.01.2020 AND ENERGY FORMS 2020-08-31-03 V4.dwg DATED 25.11.2020

ADVERTISED
PLAN

ENERGY FORMS

IMPACT TRAFFIC ENGINEERING PTY LTD. © 2020. ALL RIGHTS RESERVED.
THIS WORK IS EXCLUSIVELY OWNED BY IMPACT TRAFFIC ENGINEERING PTY LTD
AND CANNOT BE REPRODUCED, PUBLISHED, STORED, COPIED, ADAPTED,
DISTRIBUTED OR TRANSMITTED EITHER WHOLLY OR IN PART, IN ANY FORM OR
BY ANY MEANS WHATSOEVER (GRAPHIC, ELECTRONIC, MECHANICAL,
PHOTOCOPYING, RECORDING OR OTHERWISE) WITHOUT THE PRIOR WRITTEN
PERMISSION OF IMPACT TRAFFIC ENGINEERING PTY LTD.

Impact

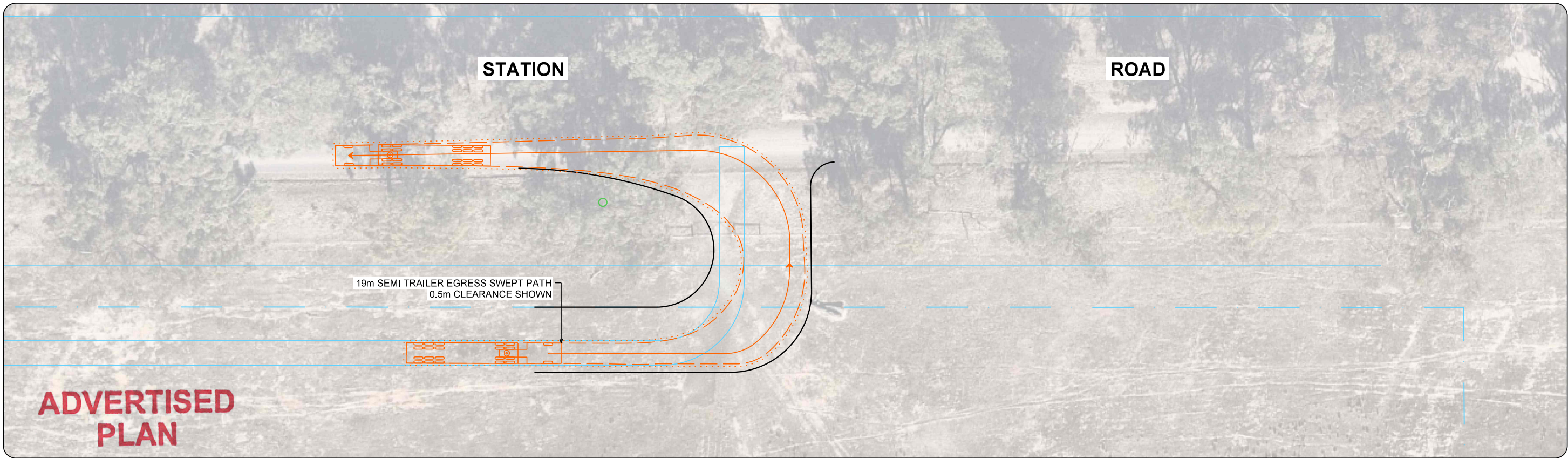
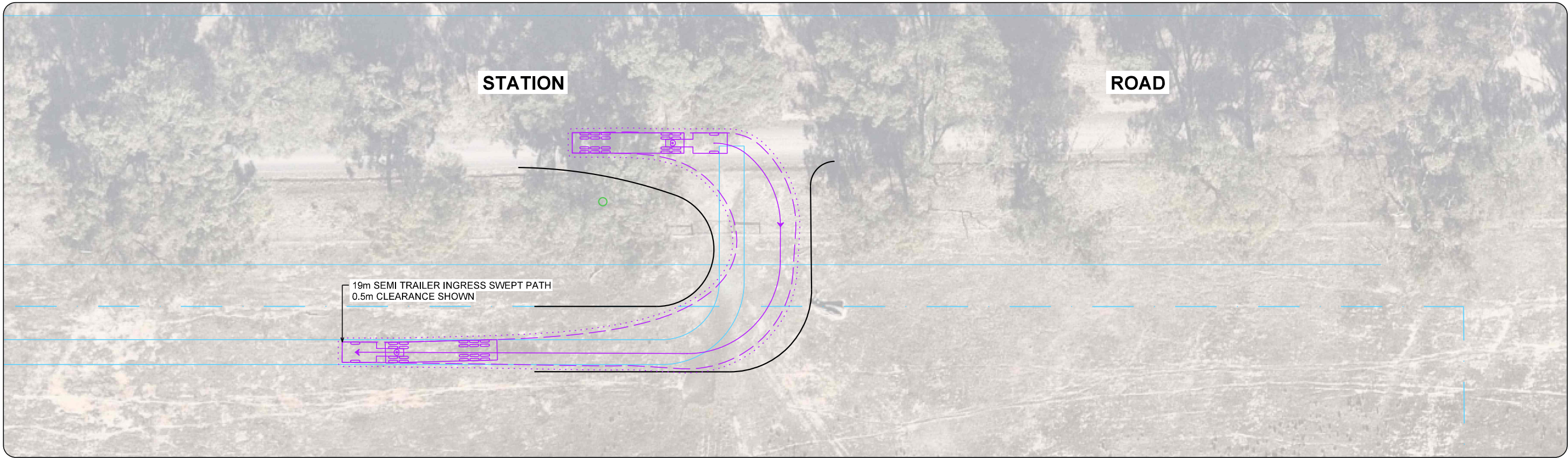
IMPACT TRAFFIC ENGINEERING PTY LTD
ABN 78 611 424 107

LEVEL 17, 31 QUEEN STREET, MELBOURNE VIC 3000
create@impactaustralia.com.au
Impactaustralia.com.au

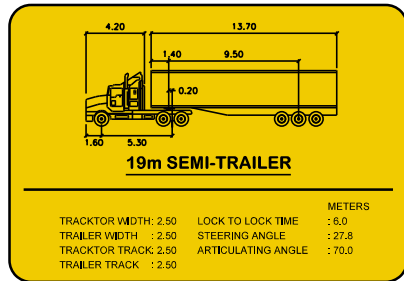
MELWAY ONLINE REF: MAP X921 H10

SCALE
1:250 @ A3

Client ENERGY FORMS		Status PRELIMINARY	
Project TETRIS REGIONAL VICTORIA SOLAR FARM PROJECTS 101 COOMBS ROAD, MANGALORE CITY OF STRATHBOGIE		Revision Description ISSUED FOR INFORMATION	
Title INDICATIVE CROSSOVER		Revision	
Drawing Number IMP200915 - DG-01-01		D	



This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright



ENERGY FORMS

IMPACT TRAFFIC ENGINEERING PTY LTD. © 2020. ALL RIGHTS RESERVED. THIS WORK IS EXCLUSIVELY OWNED BY IMPACT TRAFFIC ENGINEERING PTY LTD AND CANNOT BE REPRODUCED, PUBLISHED, STORED, COPIED, ADAPTED, DISTRIBUTED OR TRANSMITTED EITHER WHOLLY OR IN PART, IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF IMPACT TRAFFIC ENGINEERING PTY LTD.

Impact

IMPACT TRAFFIC ENGINEERING PTY LTD
ABN 78 611 424 107
LEVEL 17, 31 QUEEN STREET, MELBOURNE VIC 3000
create@impactaustralia.com.au
Impactaustralia.com.au

MELWAY ONLINE REF: MAP X921 H10

SCALE
1:500 @ A3

Client ENERGY FORMS		Status PRELIMINARY	
Project TETRIS REGIONAL VICTORIA SOLAR FARM PROJECTS 101 COOMBS ROAD, MANGALORE CITY OF STRATHBOGIE		Revision Description ISSUED FOR INFORMATION	
Title SWEEP PATH ANALYSIS 19m SEMI TRAILER		Date 2021-06-18 Drawn / Approved BM / WD	Revision
Drawing Number IMP200915 - DG-01-02		D	

Mangalore Solar Farm – Site signage dimensions

1.5m



YOUR DETAILS

Building Registration Number:	Contact Details:
Building Surveyor's Name & Registration Number	
Building Permit Number:	Date Issued:

IN AN EMERGENCY

1. Get the First Aid Officer

If the site office is unattended:
Dial "000"
Ask for the Ambulance

2. Render any assistance you can

3. Record details in Register of Injury

POLICE FIRE AMBULANCE '000'

Gas:
Electricity:
Water:
Dial Before You Dig: 1100
Poisons Information: 13 11 26

Nearest Medical Centre:
Nearest Hospital:
Emergency Evacuation Area is:

PROTECTIVE EQUIPMENT MUST BE WORN BEYOND THIS POINT

ALL CONTRACTORS MUST HAVE PROOF OF INDUSTRY SAFETY INDUCTION TRAINING PRIOR TO COMMENCING WORK



ALCOHOL AND DRUGS NOT PERMITTED ON THIS SITE

ENTRY TO THIS CONSTRUCTION SITE IS LIMITED TO AUTHORISED PERSONNEL.
ACCESS IS ONLY PERMITTED VIA PREVIOUS ARRANGEMENT WITH THE BUILDER.
PROPERTY OWNERS MUST CONTACT THE BUILDER TO MAKE SUCH ARRANGEMENTS

DANGER

CONSTRUCTION SITE

UNAUTHORISED PERSONS KEEP OUT

Site Safety Rules

All Site Contractors

- Provide SWMS to the site manager/supervisor
- Ensure all your employees are trained in SWMS
- Ensure that work is done in accordance with SWMS

General Prohibitions

- Being under the influence of alcohol or drugs
- Bullying, pranks or horseplay, bad nature, dogs, firearms or children
- Unauthorized persons are also prohibited from
- Entering the site after hours or commencing any tasks without prior approval by the site supervisor
- Entering restricted prohibited areas
- Tampering with or blocking emergency or safety equipment such as signage, barriers or guardrails
- Safety Vehicles
- Deliver OHS literature and related at least OHS officer or site supervisor instructions will not be followed and may result in a report being filed
- Personal Protective Equipment
- Safety footwear must be worn on this site at all times
- Hard hats, hearing and eye protection must be worn where required

UV protection

- When working outdoors, minimise exposure to sunlight. Cover up where possible and apply SPF30+ sunscreen
- Wear broad brimmed hats, or hard hat fitted with
- Wear well fitted long-sleeved clothing
- Wear shade, sunglasses, and protective eyewear
- Incidents and Near Misses
- All incidents involving new or existing hazards, including near misses and dangerous occurrences must be reported to the site supervisor and register of injury

Housekeeping

- Dispose of rubbish into designated bin or other bin
- Keep access ways, scaffolds and work areas free from materials and tripping hazards (tools, off cuts etc)

Working at Heights

- Fall protection must be in place for anyone who could fall 2 meters or more, e.g. scaffolding, CRIPs, ladders etc
- Open sides of floors, penetrations, roofs, steel walls, latrines must be provided with guardrails and toe boards or covered with strong, secure material
- Safety harness must not be used without adequate supervisor training, anchor points, and a rescue plan

When working on a ladder make sure:

- The ladder is suitable for the task and of industry grade (Domestic ladders prohibited)
- Do not stand higher than the third rung from the top rung (or 885 mm) from the top of the ladder

Parking Capacity

- Secure heavy material such as ply, roof sheets and off-cuts against falling or pick-up by wind
- Do not stack materials close to unsecured guardrails and edges

Electrical Safety

- Unauthorised tools, leads and equipment used on site must have a current test tag and be in safe condition
- Overexposed leads must be "taped off" and kept secured on insulated stands or hooks

Plant Safety

- Workers must not operate any plant or equipment, unless
- They are trained and authorised to do so (holding an appropriate Licence or Certificate where required)
- Daily plant checks have been carried out and the plant is free with all the recommended safety devices, guards and signs (report any fault to your supervisor)

Scaffolds

- Scaffolds with a maximum height of 6m or more must be erected, altered and dismantled by licensed scaffolders
- Scaffolds 2m or more must have guardrails, mid-rails and toeboards installed
- Do not remove guardrails, planks or toeboards or alter / modify any part of a scaffold without your site safety officer and approved to do so
- Do not overuse planks or block boards

Mobile Scaffolds

- Working on a scaffold, never use the scaffold as a ladder or platform for work
- Never leave a mobile scaffold when someone is on it. Follow the manufacturer's instructions for correct erection, use and dismantling
- Wearing Check any work area equipment prior to use
- Flammable atmosphere inside the scaffold can be a fire and oxygen regulator
- A suitable fire extinguisher should be attached to each mobile and one away from the scaffold

Printed by Grace Signs & Display

1m

ADVERTISED PLAN

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright



Mangalore Solar Farm – Site signage details

ADVERTISED
PLAN

Dimensions	1m x 1.5m (maximum)
Text	Safety details, emergency contact, and logo.
Colours	Matt white background with black text. Safety symbols will be either red or yellow depending on hazard. Logo will be green and grey.
Materials	Either corflute or thin aluminium
Illumination	None
Supporting structures	Cable ties to fence

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

CONTEXT PLAN

Mangalore Solar farm

STUDY SITE

1 KM BUFFER

DWELLINGS

ACHS

8 MILES CREEK

FREIGHT RAIL

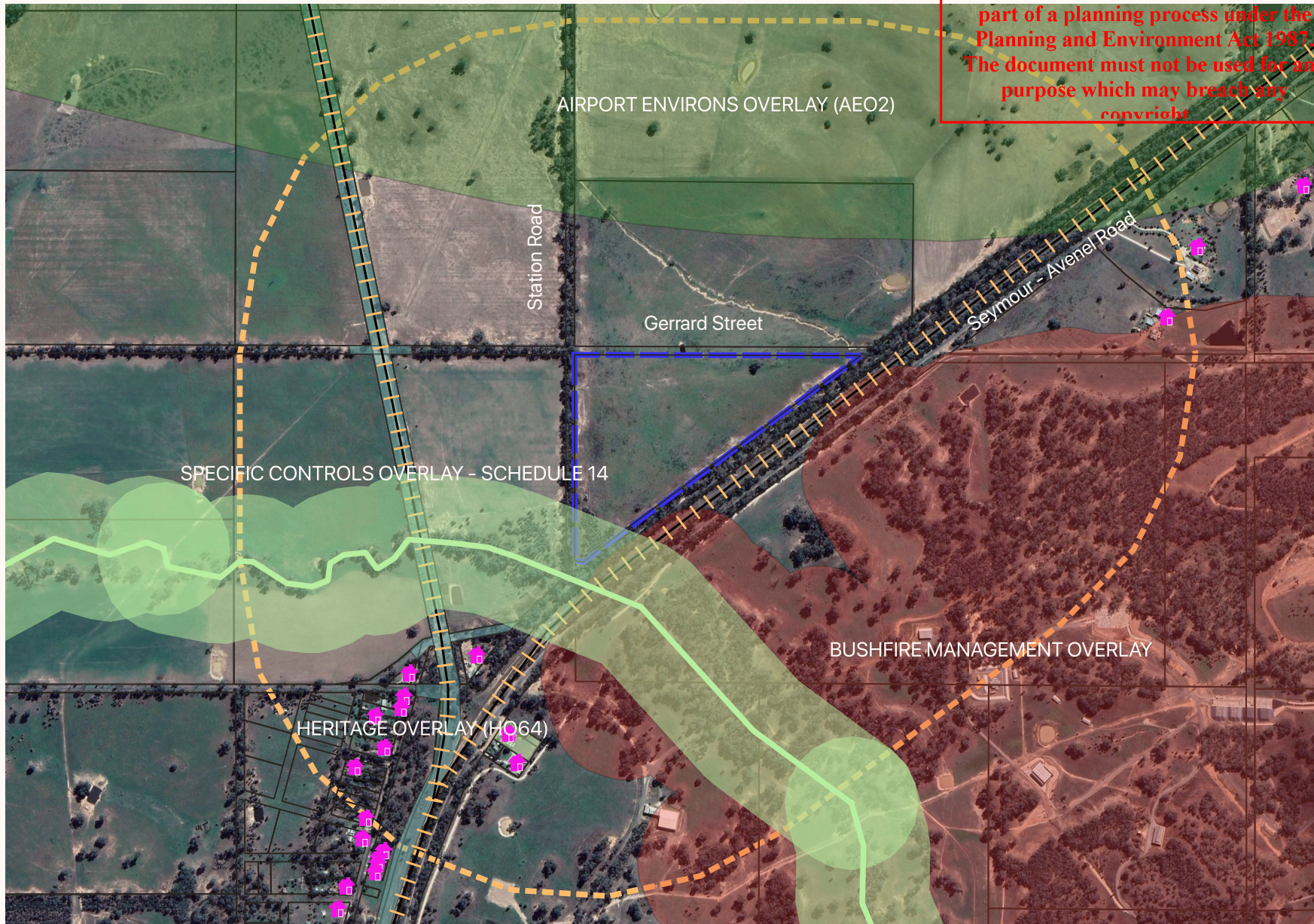
PLAN_OVERLAY

AEO2

BMO

HO64

SCO - SCHEDULE 14



This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright.

The state of Victoria does not warrant the accuracy or correctness of information in this publication and any person using or relying upon such information does so on the basis that the State of Victoria shall bear no responsibility or liability whatsoever for any errors, faults, defects or omissions in the information.