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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

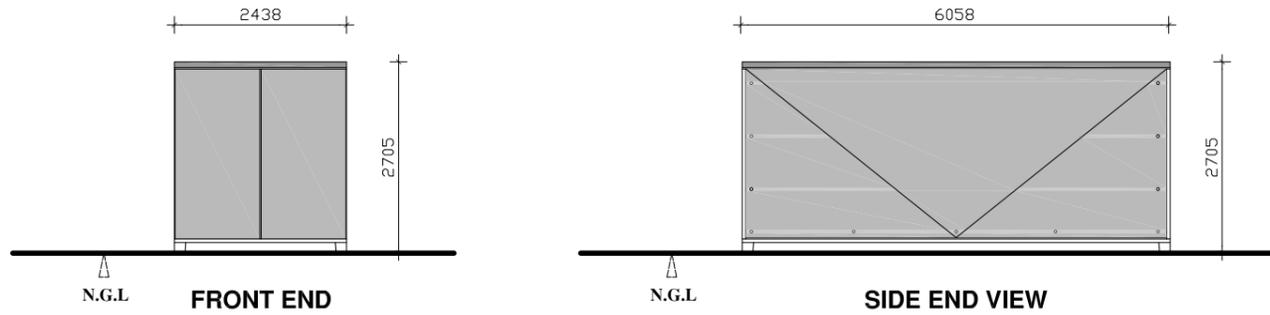
SITE: MANGALORE SOLAR FARM
MANGALORE VIC 3663

TITLE: **OVERALL SITE LAYOUT**

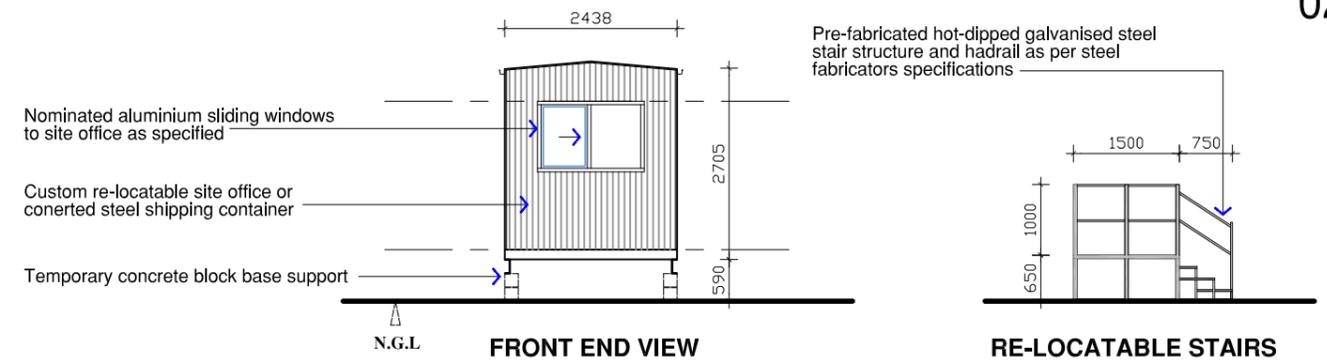
SCALE AT A1: 1:1250m	DATE: 22/06/21	DRAWN: PC	AUTHORISED: PC
PROJECT NO: P20-0011	DRAWING NO: P20-0011-01	REVISION: 1	



Planning Issue



Typical Power Conditioning Unit 1:100



Typical Site Office 1:100

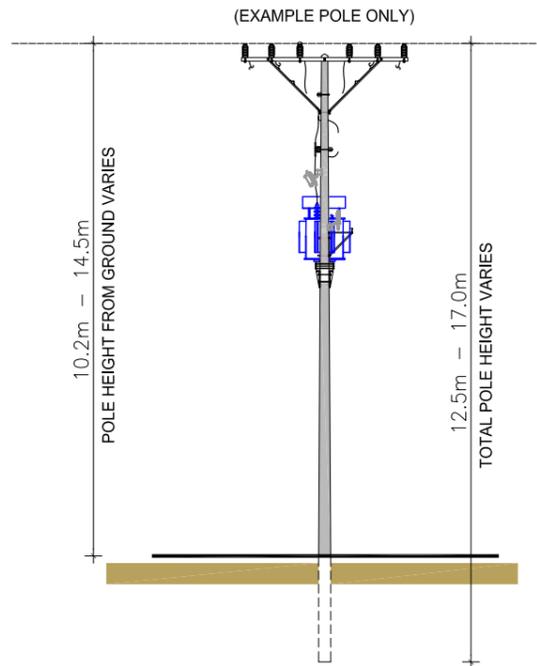


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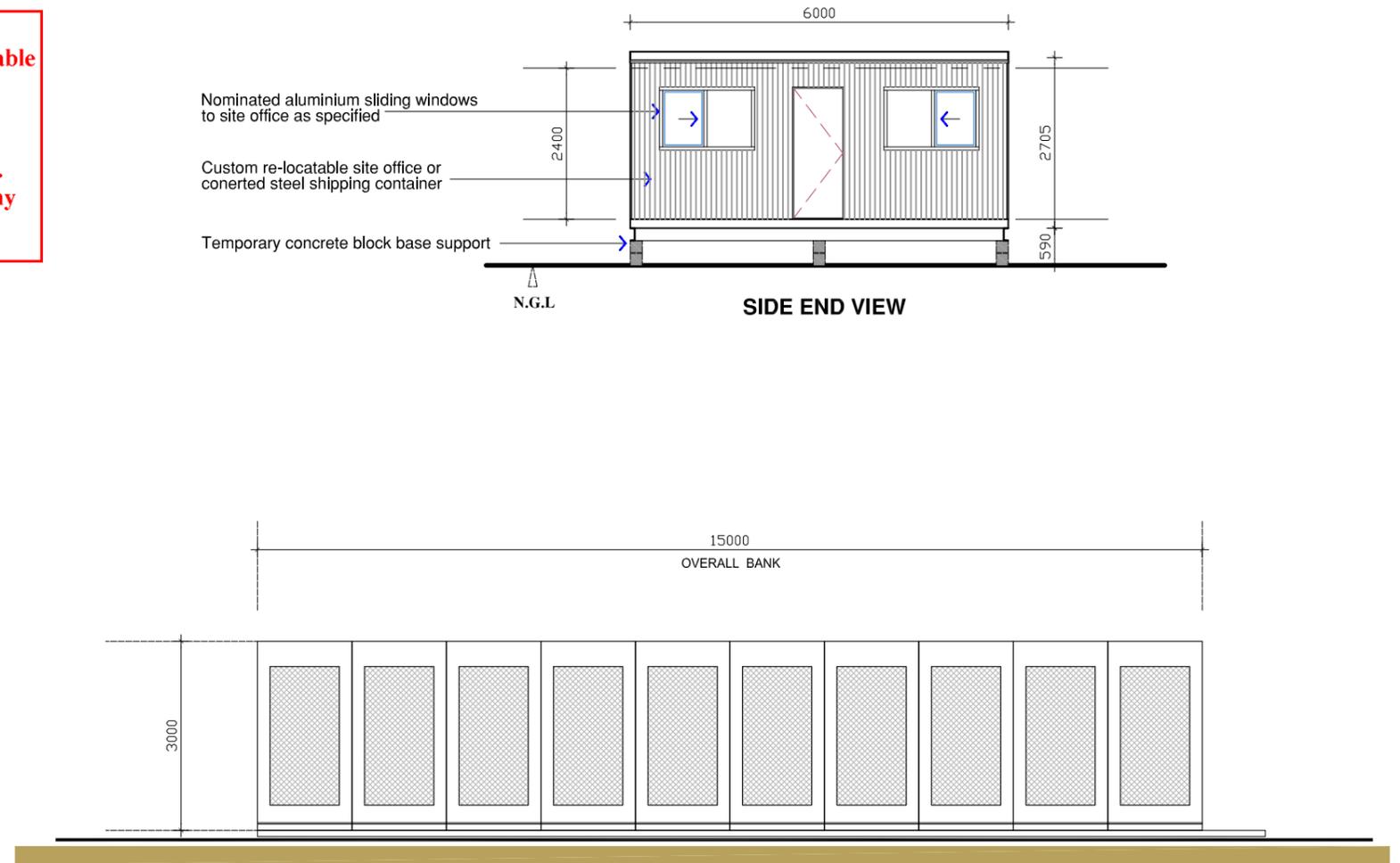
Power Conditioning unit



Typical Battery storage unit



TYPICAL ARC POLE ELEVATION
(NOT - TO - SCALE)



Typical Battery Storage Bank 1:100

Client:
Tetris Energy Pty Ltd

Project:
Proposed Solar Array Project

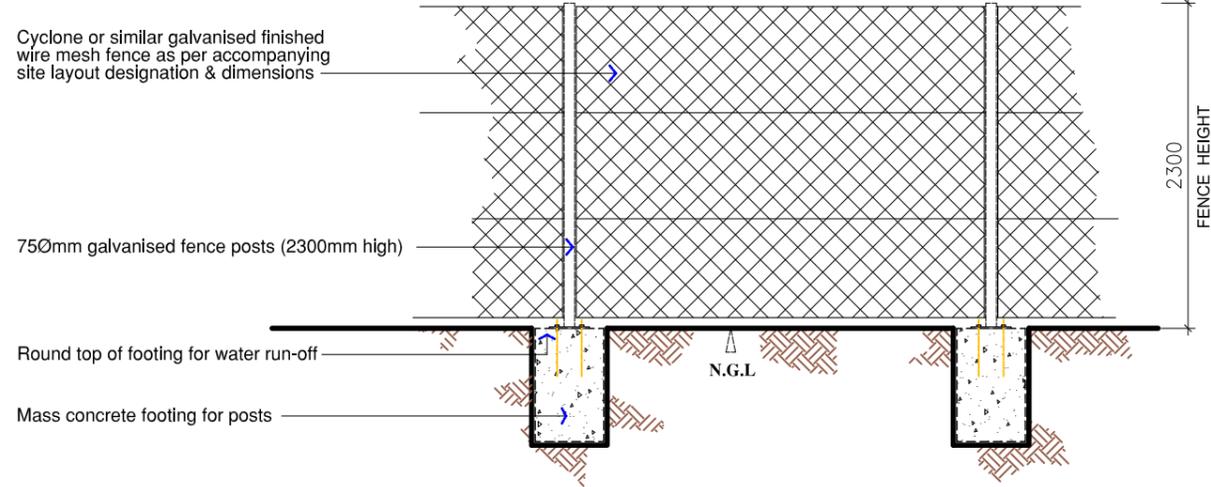
Project Address:
No. 101 Coombs Road, Mangalore

M 0439 722 782 DP-AD 38695 Reg
dennis@arkgroupdeslgn.com.au

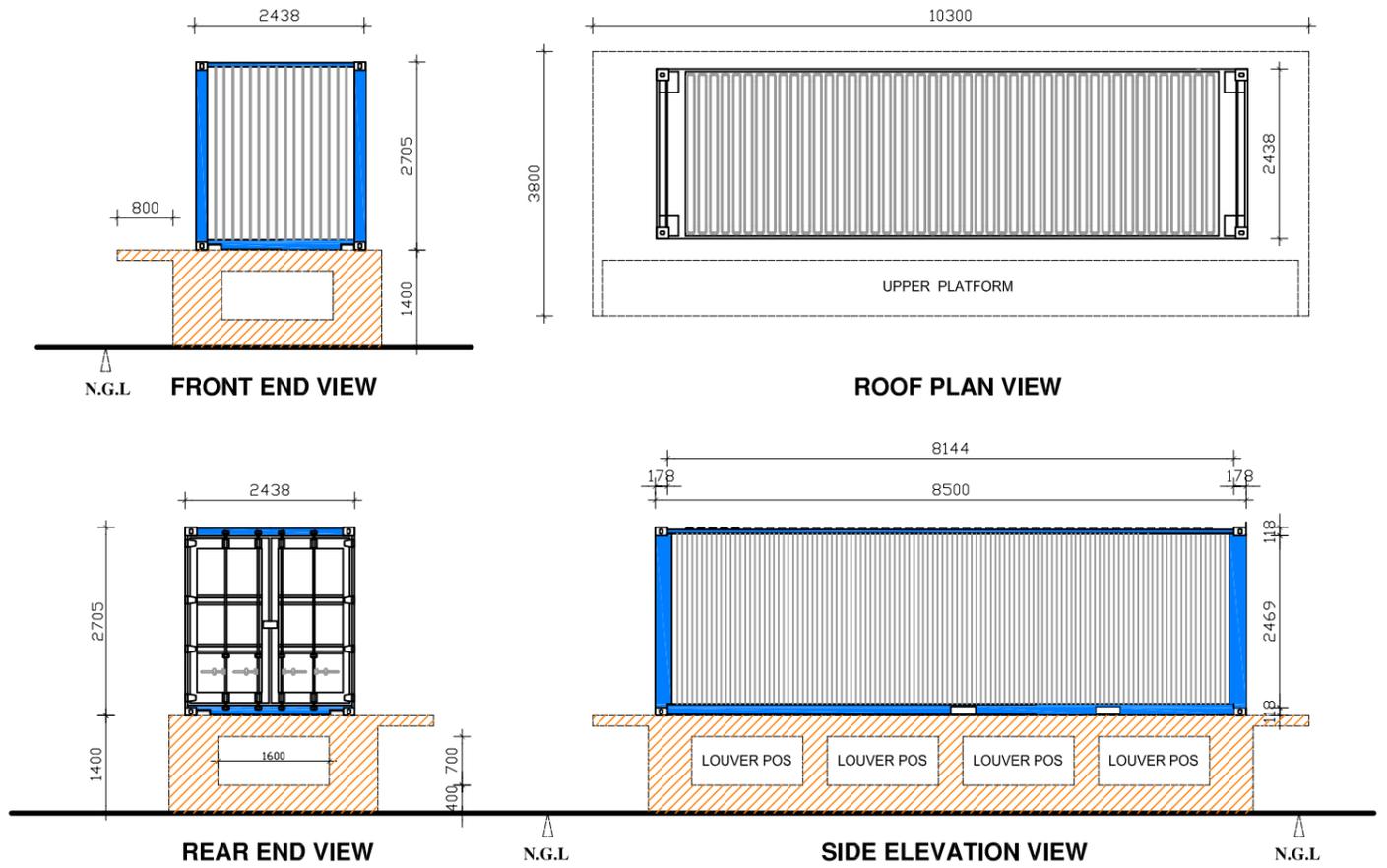


Revision:			
Scale			
A3	1:50 1:100	Date	16/03/2021
Drawing Issue:	02 of 02	A - 161220	

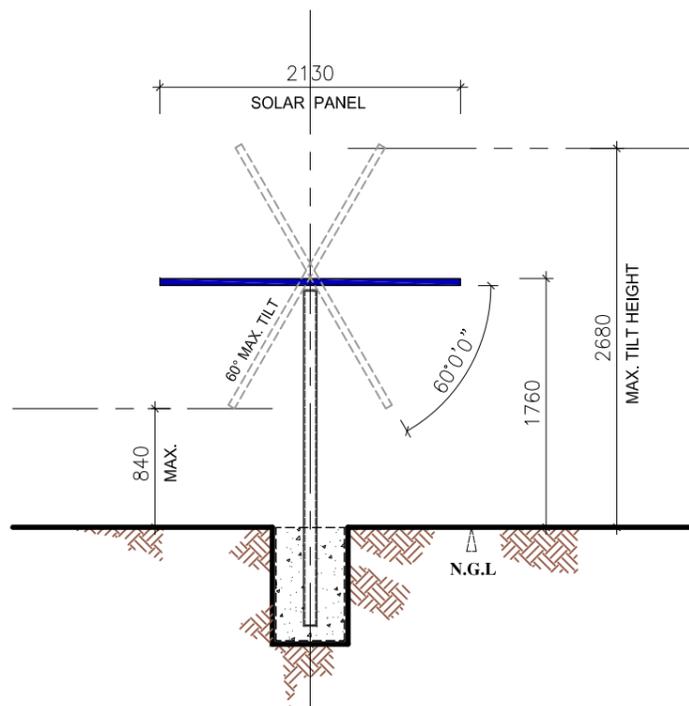
Planning Issue



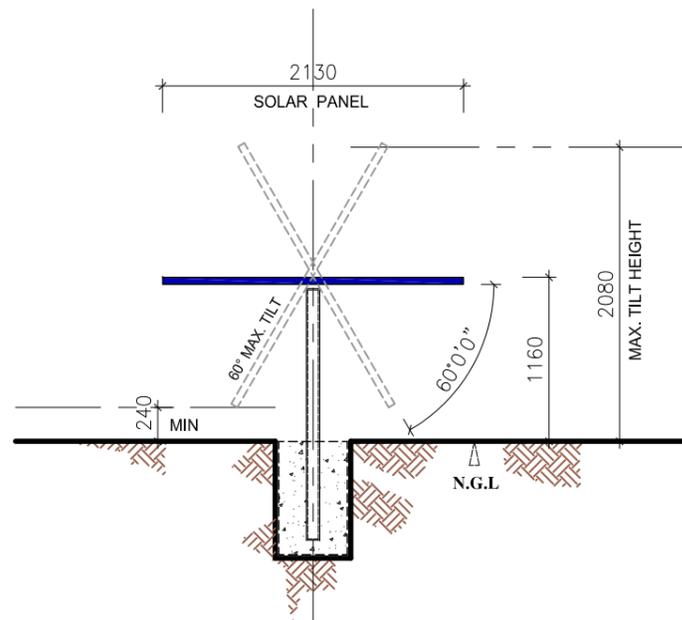
Proposed security fence section 1:50



RG Unit storage container 1:100



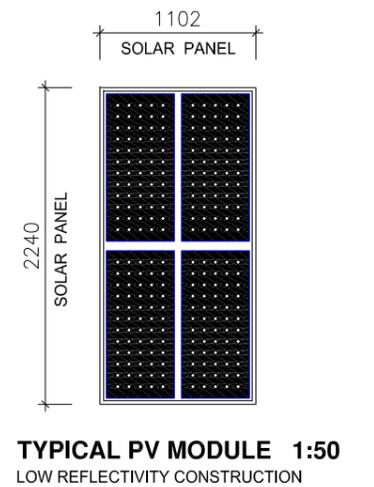
Typical tracker elevation 1:50



Typical tracker elevation 1:50

ADVERTISED PLAN

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Client:	TetrIs Energy Pty Ltd
Project:	Proposed Solar Array Project

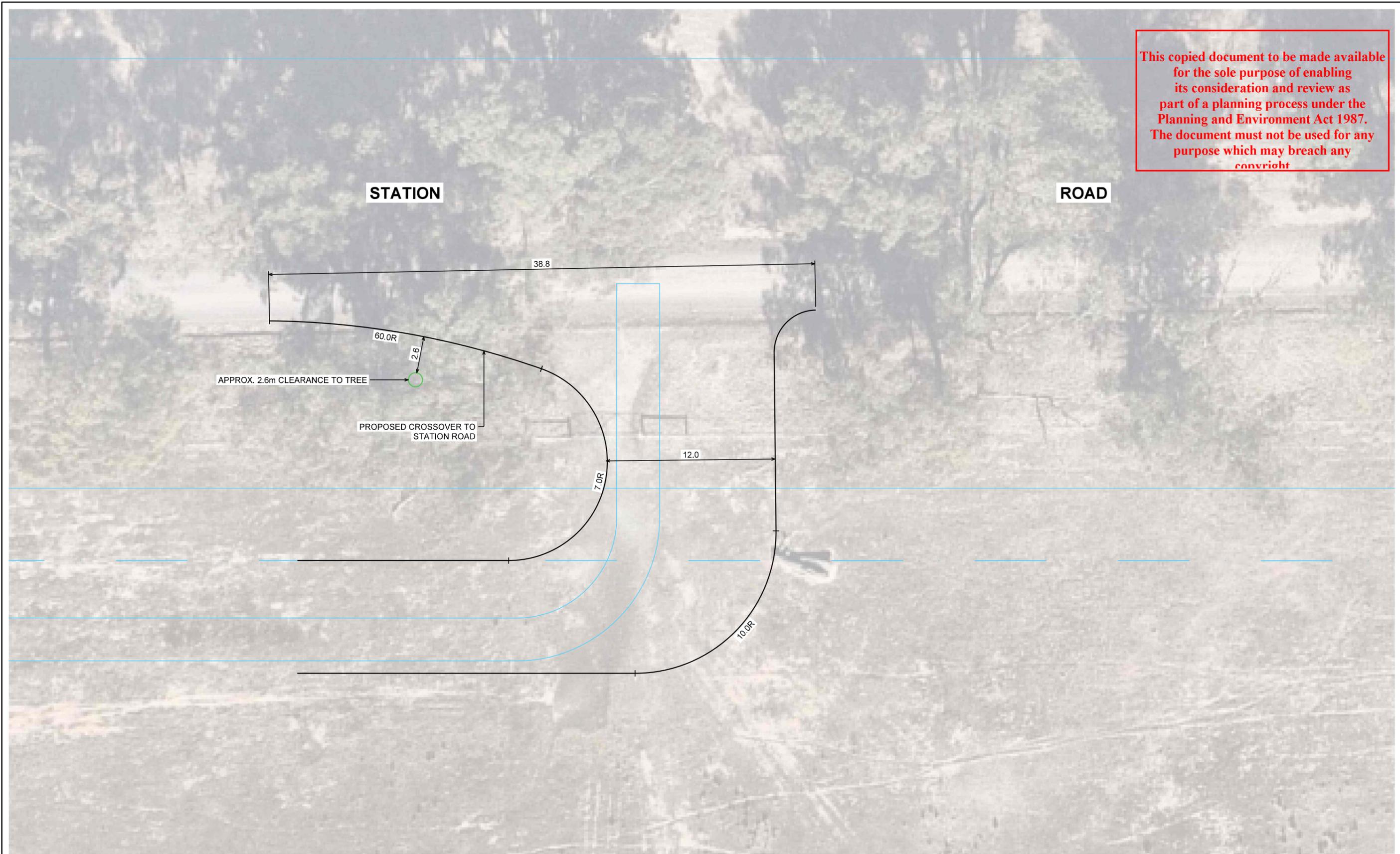
Project Address:	No. 101 Coombs Road, Mangalore
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Revision:	
Scale:	A3
Drawing Issue:	01 of 02
Date:	16/03/2021
	A - 161220

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- 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

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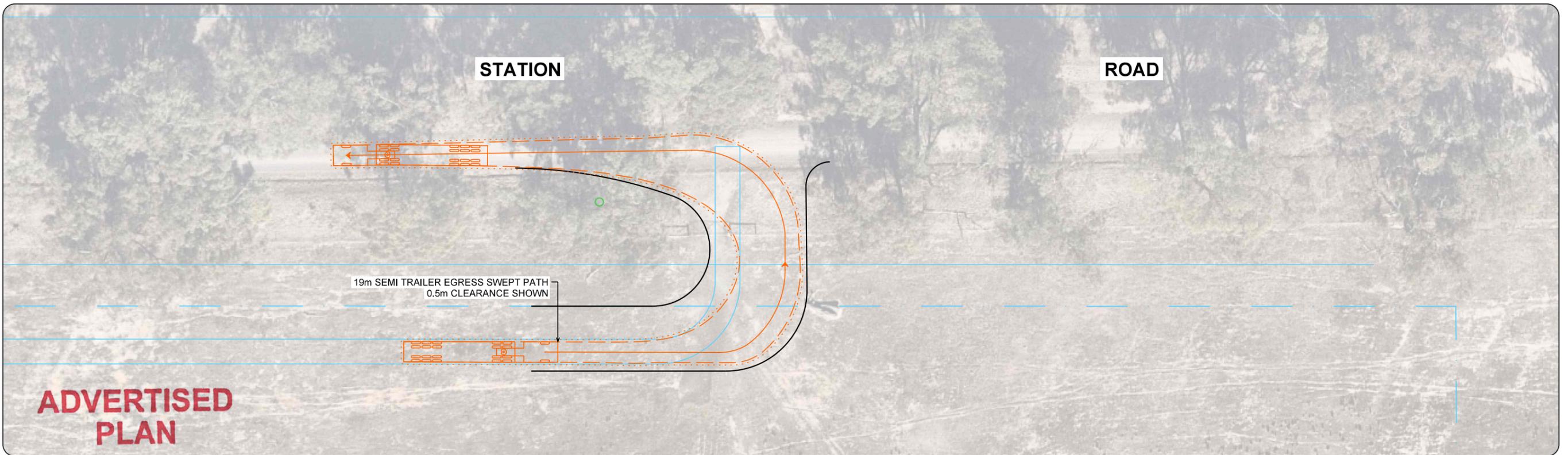
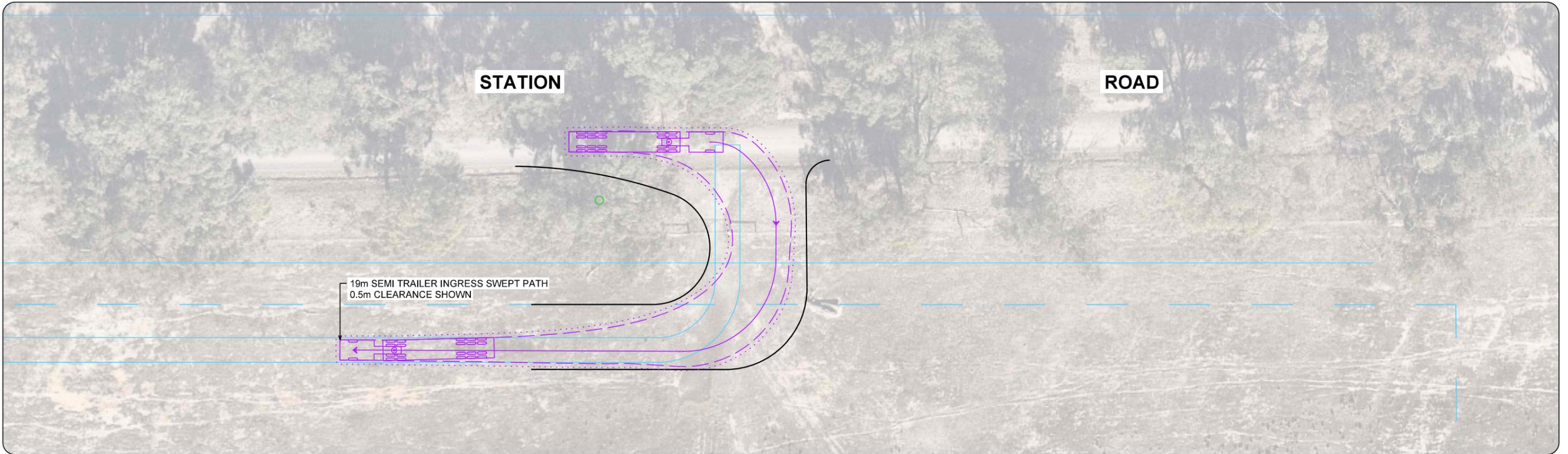
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MELWAY ONLINE REF: MAP X921 H10

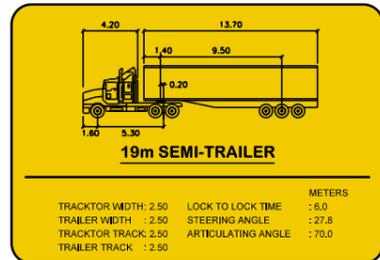
SCALE
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Client ENERGY FORMS		Status PRELIMINARY
Project TETRIS REGIONAL VICTORIA SOLAR FARM PROJECTS 101 COOMBS ROAD, MANGALORE CITY OF STRATHBOGIE		Revision Description ISSUED FOR INFORMATION
Title INDICATIVE CROSSOVER		Revision
Date 2021-06-18 Drawn / Approved BM / WD	Drawing Number IMP200915 - DG-01-01	D



18/06/2021 1:17:16 PM

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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
Date 2021-06-18 Drawn / Approved BM / WD	Drawing Number IMP200915 - DG-01-02
Title SWEEP PATH ANALYSIS 19m SEMI TRAILER	Revision D

Mangalore Solar Farm – Site signage dimensions

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1.5m

1m

1.5m

1m

Printed by Oracle Signs & Displays

Mangalore Solar Farm – Site signage details

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PLAN**

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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

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



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