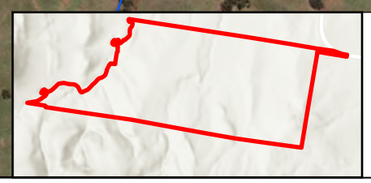
APPENDIX E DETAILED MAPS AND PLANS

Source:
Boundary: Client Provided (20250415)
Base Data: NSW DCDB/DTDB.
Imagery: ESRI World Imagery

Legend

- Project Area
- Development Footprint
- Preferred access point
- Emergency Access point
- Transmission Lines (existing)
- Maintained Existing Water Dams
- Avoidance Area
- Associated Dwelling
- Non-Associated Dwelling
- PV (Mounting Structure - Half Table)
- PV (Mounting Structure - Full Table)
- Internal Road
- Parking and Laydown Area
- Customer Substation Area
- Transgrid Substation Area
- Inverters
- Bridge
- OHL Interconnection
- BESS Container
- Strategic Road Upgrade
- Fence
- O&M Building
- Bridge Piers
- Noise Walls - PCS Stations
- Noise Wall - High Voltage Transformer
- Mitigation Planting Areas
- Local Road
- Local Track-Vehicular
- PCS Station



Coordinate System:
GDA2020 MGA Zone 56

Date: 30/01/2026
Created By: NB
Drawing Size: A3

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1:12,000

F3-1 Project Layout
Map 1 of 7

Garoo Solar Farm and BESS
Environmental Impact Assessment

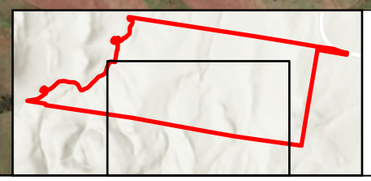
ERM

0751705_SolarAndBESS_EIA_G001_R0.aprx

Source:
Boundary: Client Provided (20250415)
Base Data: NSW DCDB/DTDB.
Imagery: ESRI World Imagery

Legend

- Project Area
- Development Footprint
- Transmission Lines (existing)
- Maintained Existing Water Dams
- Avoidance Area
- Associated Dwelling
- Non-Associated Dwelling
- PV (Mounting Structure - Half Table)
- PV (Mounting Structure - Full Table)
- Internal Road
- Inverters
- Bridge
- OHL Interconnection
- BESS Container
- Fence
- Bridge Piers
- Mitigation Planting Areas
- Local Road
- Local Track-Vehicular
- PCS Station



Coordinate System:
GDA2020 MGA Zone 56

Date: 30/01/2026

Created By: NB

Drawing Size: A3

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1:6,000

F3-1 Project Layout
Map 2 of 7

Garoo Solar Farm and BESS
Environmental Impact Assessment

ERM

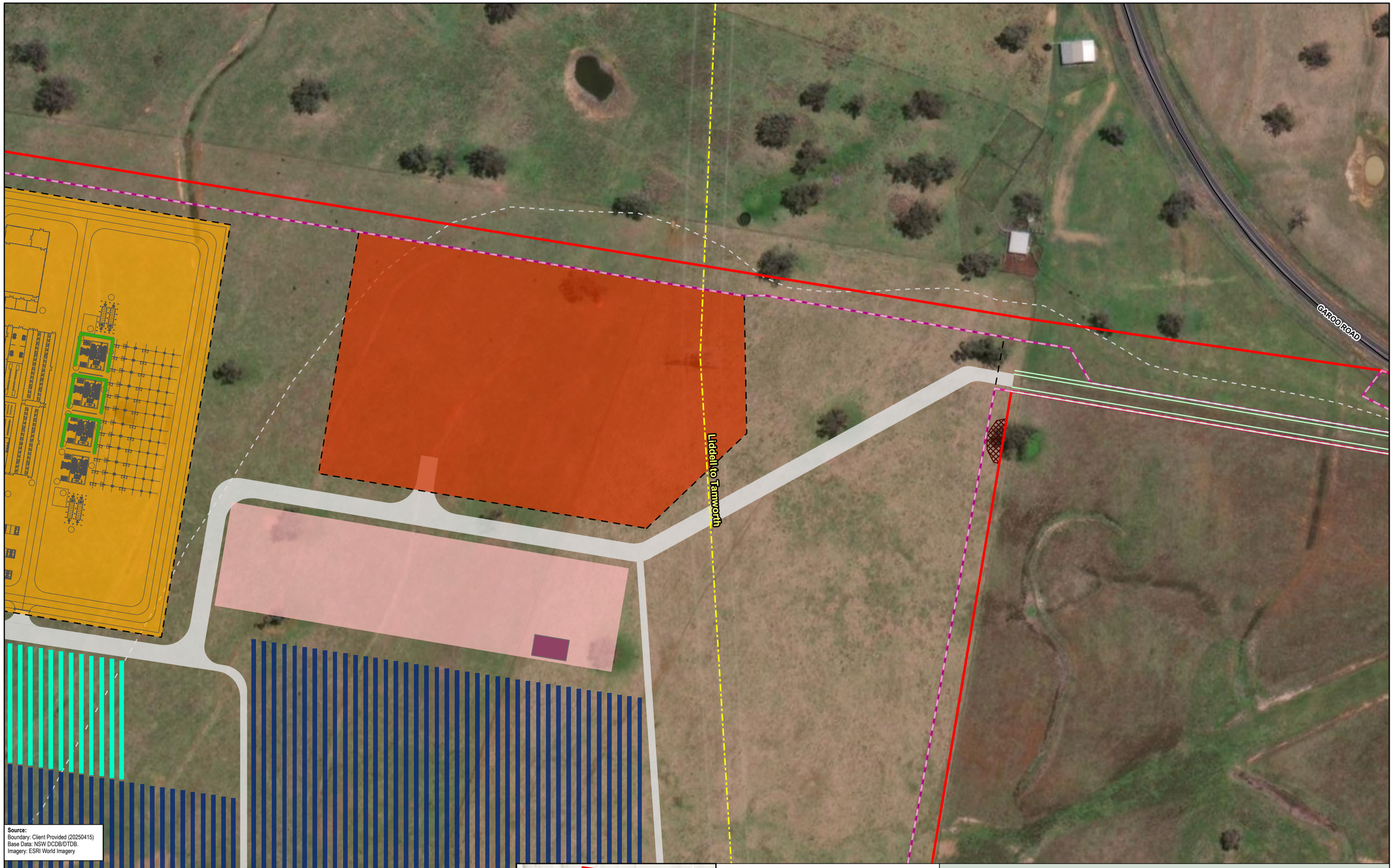
0751705_SolarAndBESS_EIA_G001_R0.aprx

F3-1 Project Layout
Map 3 of 7

Garoo Solar Farm and BESS
Environmental Impact Assessment

ERM

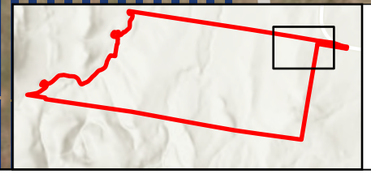
0751705_SolarAndBESS_EIA_G001_R0.aprx



Source:
Boundary: Client Provided (20250415)
Base Data: NSW DCDB/DTDB.
Imagery: ESRI World Imagery

Legend

- Project Area
- Development Footprint
- Transmission Lines (existing)
- Avoidance Area
- PV (Mounting Structure - Half Table)
- PV (Mounting Structure - Full Table)
- Internal Road
- Parking and Laydown Area
- Customer Substation Area
- Transgrid Substation Area
- Inverters
- Strategic Road Upgrade
- Fence
- O&M Building
- Noise Wall - High Voltage Transformer
- Local Road
- Local Track-Vehicular
- PCS Station



Coordinate System:
GDA2020 MGA Zone 56

Date: 30/01/2026

Created By: NB

Drawing Size: A3

0 60m

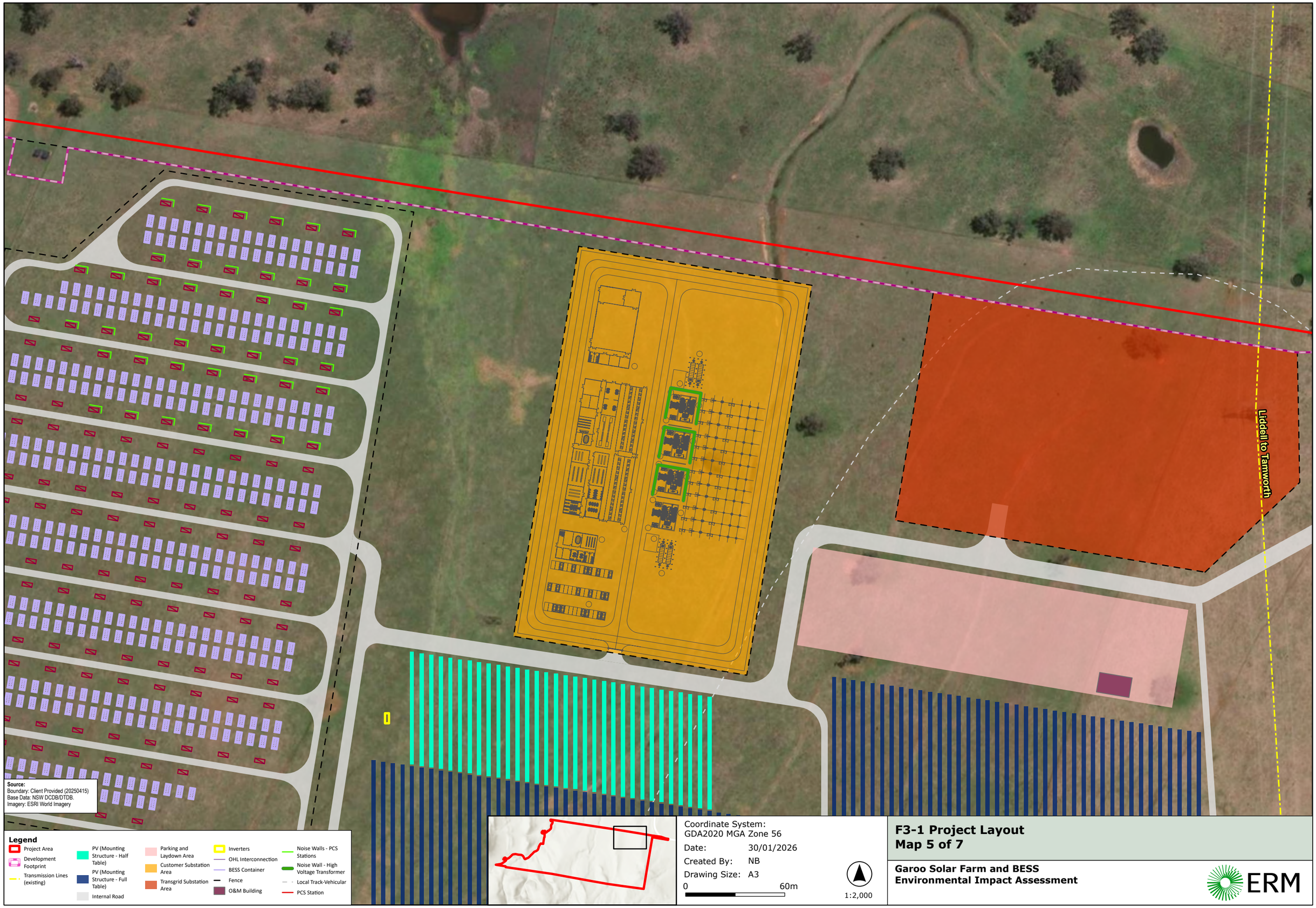
1:2,000

F3-1 Project Layout
Map 4 of 7

Garoo Solar Farm and BESS
Environmental Impact Assessment

ERM

0751705_SolarAndBESS_EIA_G001_R0.aprx



F3-1 Project Layout
Map 5 of 7

Garoo Solar Farm and BESS
Environmental Impact Assessment

ERM

0751705_SolarAndBESS_EIA_G001_R0.aprx

TAMARANG CREEK

Source:
Boundary: Client Provided (20250415)
Base Data: NSW DCDB/DTDB.
Imagery: ESRI World Imagery

Legend

- Project Area
- Development Footprint
- PV (Mounting Structure - Half Table)
- PV (Mounting Structure - Full Table)
- Internal Road
- Parking and Laydown Area
- Customer Substation Area
- Transgrid Substation Area
- Inverters
- Bridge
- OHL Interconnection
- BESS Container
- Fence
- O&M Building
- Bridge Piers
- Noise Walls - PCS Stations
- Noise Wall - High Voltage Transformer
- Local Track-Vehicular
- PCS Station

Coordinate System:
GDA2020 MGA Zone 56

Date: 30/01/2026

Created By: NB

Drawing Size: A3

0 100m

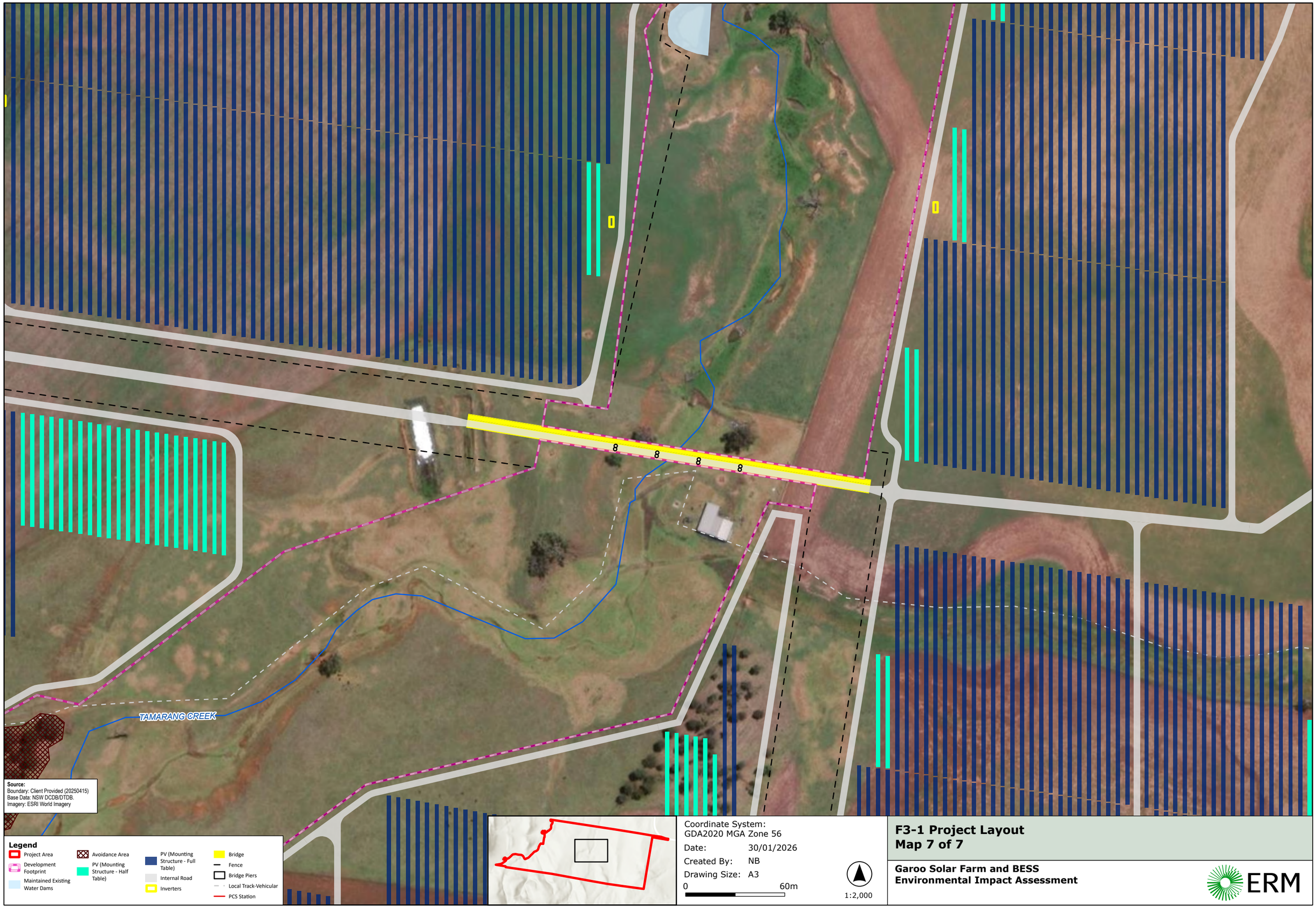
1:3,000

F3-1 Project Layout
Map 6 of 7

Garoo Solar Farm and BESS
Environmental Impact Assessment

ERM

0751705_SolarAndBESS_EIA_G001_R0.aprx

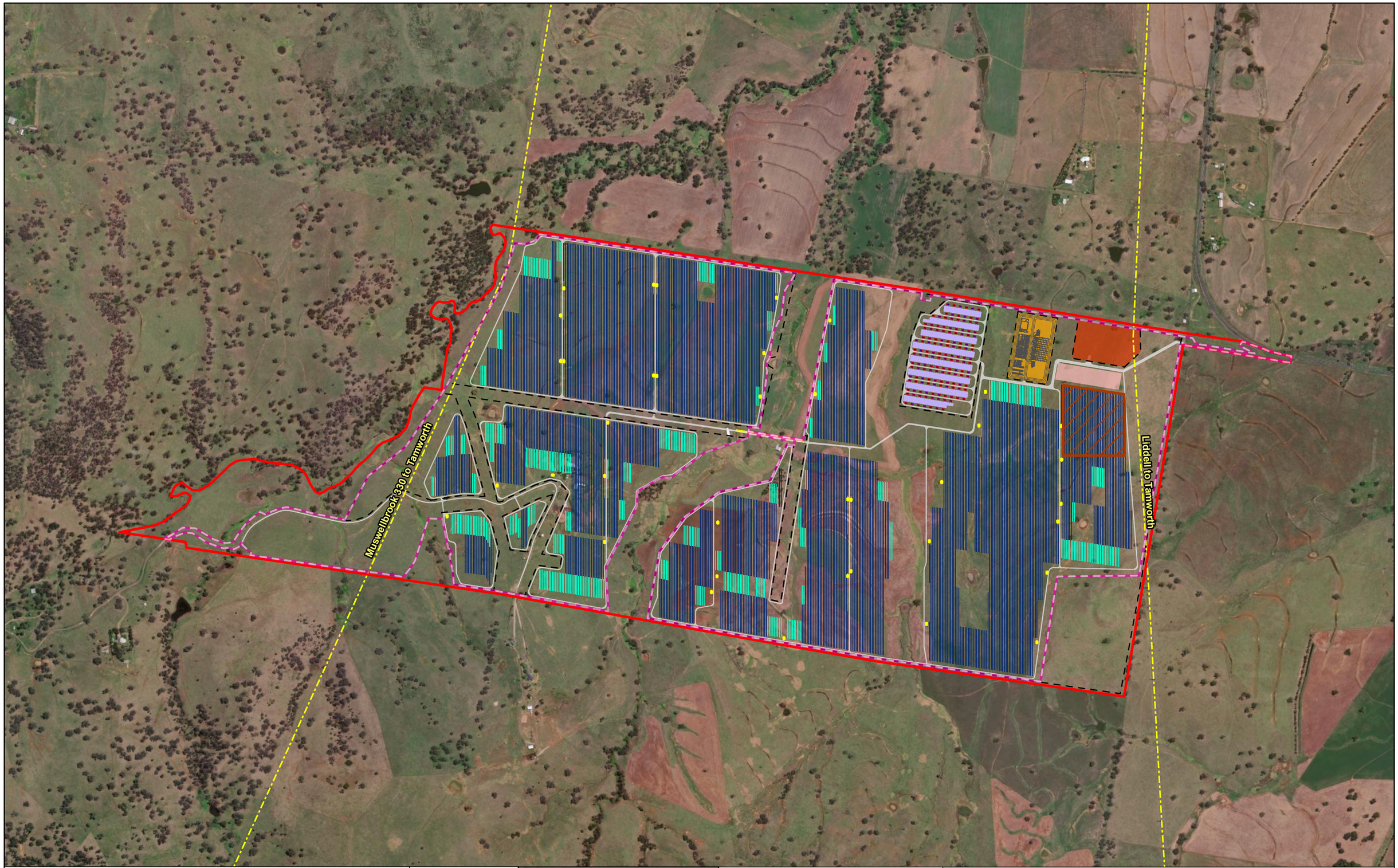


F3-1 Project Layout
Map 7 of 7

Garoo Solar Farm and BESS
Environmental Impact Assessment

ERM

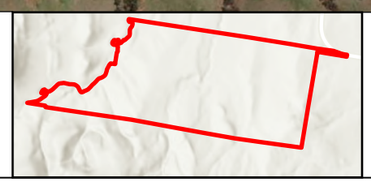
0751705_SolarAndBESS_EIA_G001_R0.aprx



Legend

- Project Area
- Development Footprint
- Transmission Lines (existing)
- PV (Mounting Structure - Half Table)
- PV (Mounting Structure - Full Table)
- Internal Road
- Parking and Laydown Area
- Customer Substation Area
- Transgrid Substation Area
- Inverters
- Bridge
- PCS Station
- OHL Interconnection
- BESS Container
- Fence
- Temporary Workers Accommodation Camp

Source:
Boundary: Client Provided (20250415)
Base Data: NSW DCDB/DTDB.
Imagery: ESRI World Imagery



Coordinate System:
GDA2020 MGA Zone 56

Date: 29/01/2026

Created By: NB

Drawing Size: A3

0 480m

1:12,500

F3-2 Temporary Workforce Accommodation Camp Location

Garoo Solar Farm and BESS
Environmental Impact Assessment

ERM

0751705_SolarAndBESS_EIA_G001_R0.aprx

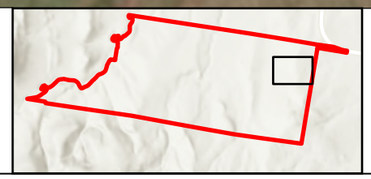
Legend

- Project Area
- Development Footprint
- Transmission Lines (existing)
- Internal Road
- Admin & First Aid
- Verandah
- Fire Hydrant
- Loading Area
- Accommodation Area
- Amenities & Services
- Smoking Area
- WWTP
- Car Parking
- Fence
- Accommodation Area
- Waste Area

Machinery Area

- Fire Suprpression
- Gas hazard area
- Generators and fuel store
- Maintenance containers
- Potable Water

Source:
Boundary: Client Provided (20250415)
Base Data: NSW DCDB/DTDB.
Imagery: ESRI World Imagery



Coordinate System:
GDA2020 MGA Zone 56

Date: 29/01/2026

Created By: NB

Drawing Size: A3

0 50m

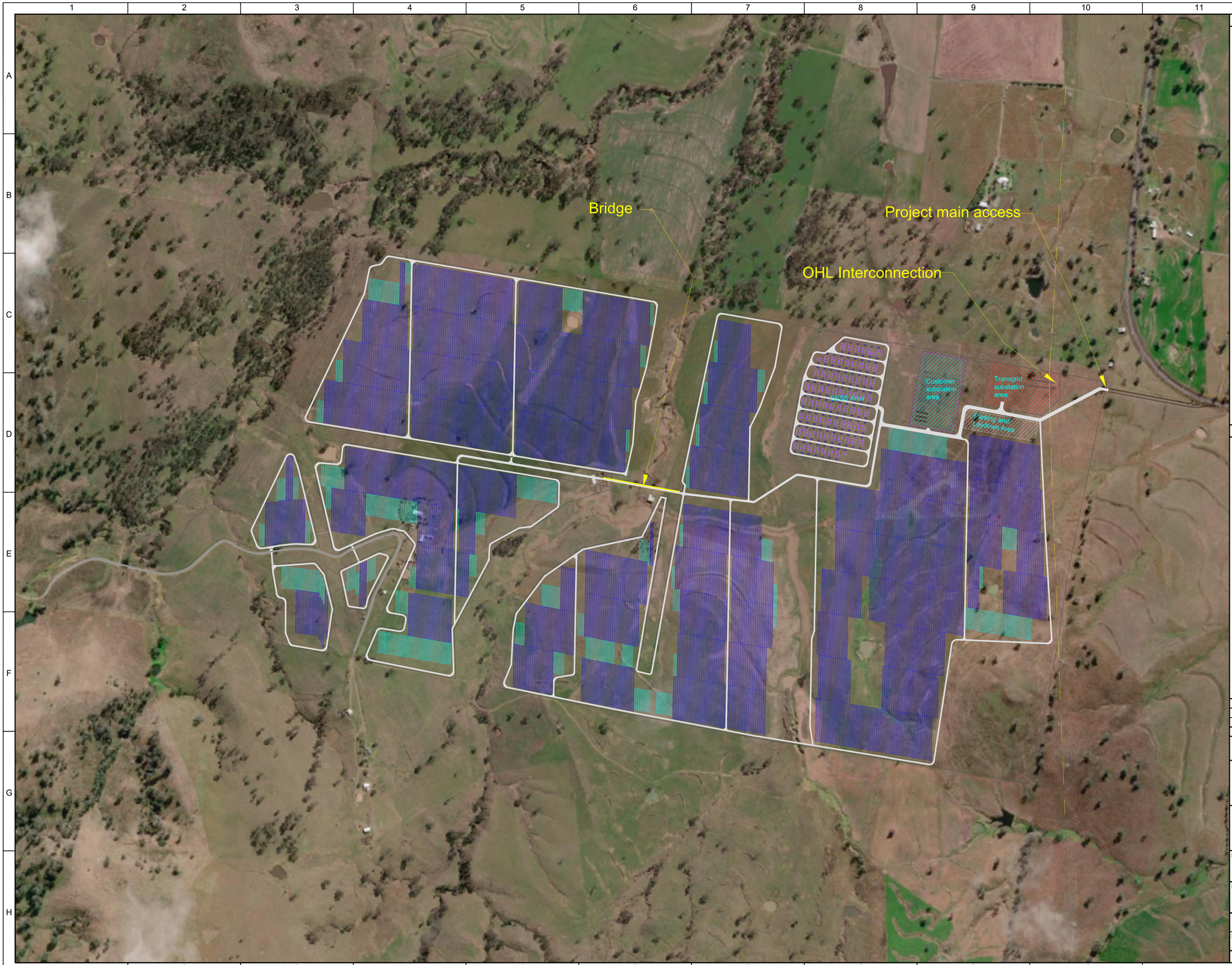
1:1,300

F3-2 Temporary Workforce Accommodation Area

Garoo Solar Farm and BESS
Environmental Impact Assessment

ERM

0751705_SolarAndBESS_EIA_G001_R0.aprx



Notes

PV Plant: AUS.2024003 Garoo
Location: New South Wales, Australia
UTM convergence: 1.0893 °
Altitude: 603.28 m
Utilized area: 271.3 ha
Perimeter fence: 19.8 km

Rated Power: 167.2 MVA @ 30°
Rated Real Power [0.8 PF]: 133.76 MW @ 30°
Peak Power: 148.39 MW
DC/AC at inverters: 0.89 (considering 1 PF)
DC/AC at inverters: 1.11 (considering 0.8 PF)

- Structure: SkyLine II
- PV Module: Jinkosolar 2023 JKM635N-66HL4M-BDV (233,688 units)
- PV Inverter: SMA Sunny Central 4400 UP_1.4 (38 units) / 4400 KVA 0.66/33.0 kV
- BESS Power Stations up to: 3800.0 kVA, 0.66/33.0kV (No. Units: 142)
- BESS Container: 5.01 MWh (No. Units: 288)

Pitch distance: 5.8 m
Modules per string: 28

Legend

- Customer substation area
- Transgrid substation area
- Laydown and Parking area
- Mounting structure
- Mounting structure - Half Table
- Fences
- Road
- Inverter Station
- PCS Station
- BESS Container
- Bridge Crossing the Creek - Includes the MV Conduits
- Underground Trench
- Over HeadLine Interconnection
- Existing Road
- Existing OHTL

REV	DESCRIPTION	BY	DATE
15	15th VERSION	MS	2025-08-20
01	FIRST VERSION	MS	2024-09-22

FOR INFORMATION ONLY

Jinko Power

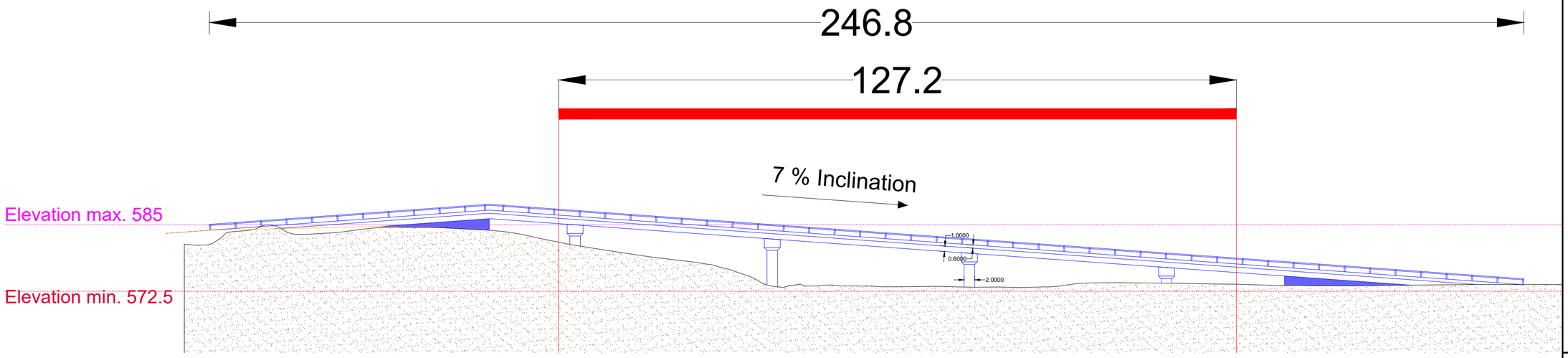
PROJECT: AUS.2024003 Garoo

DRAWING: PV Plant Layout

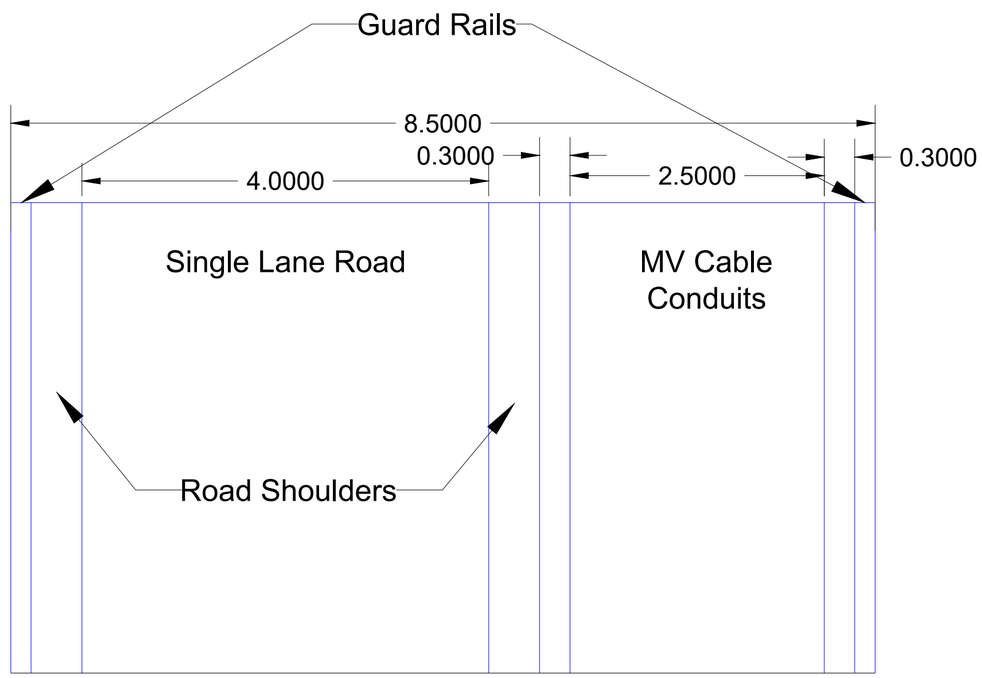
SCALE:	SHEET:
1 : 10000	1 / 1
REVISION: 15	DATE: 2025-08-20

DIN A2

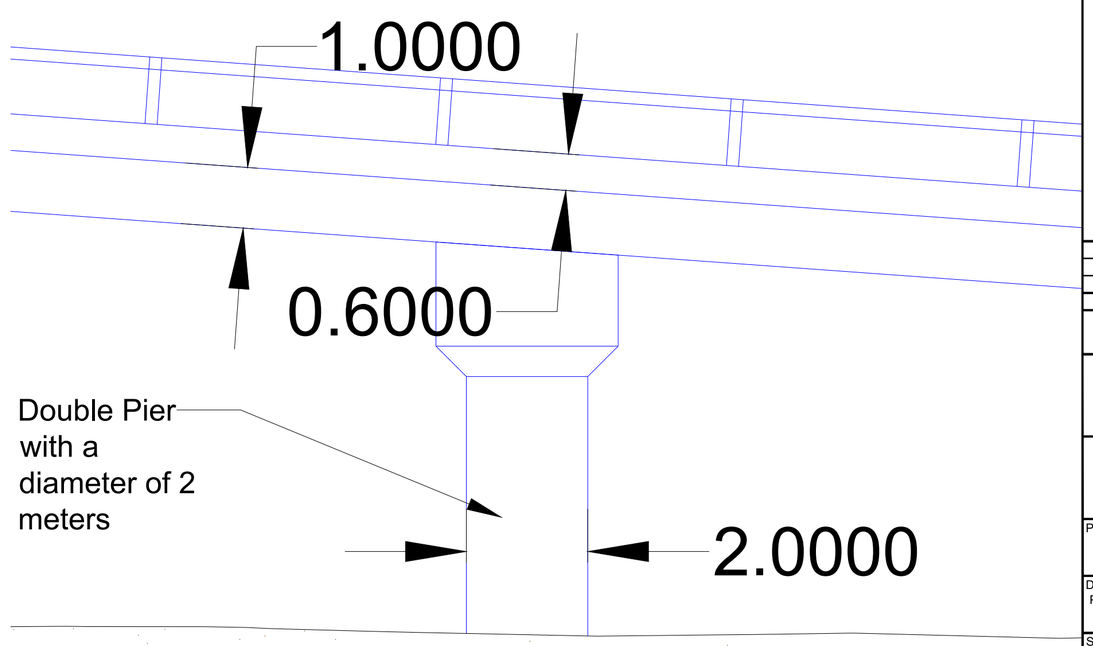
Creek Crossing Bridge Side View:



Creek Crossing Bridge Top View:



Creek Crossing Bridge Pier Configuration:



Notes

This drawing and the associated design are part of a preliminary and conceptual study prepared for early planning purposes only and does not constitute a final or approved construction document. The information herein is subject to change and shall be reviewed and updated during the detailed engineering phase of the project.

BRIDGE DESIGN SUMMARY

PV Plant:	AUS.2024003 Garoo
Location:	New South Wales, Australia
Bridge use:	Single-lane heavy vehicle bridge with MV cable integration
Bridge Span:	150 m (4 spans × 35 m)
Deck Width:	8.5 m
Gradient (Slope):	7% - Sloping West to East

BRIDGE SECTION ELEMENTS:

- Carriageway:	4 m (single lane)
- Shoulders:	0.5 m (each side)
- Barriers:	TL-4, 1.1 m height
- MV Trench:	2.5 m width × 0.6 m depth
- Deck Type:	To be confirmed
- Piers:	2.0 m dia. double circular piers with deep pile foundations to be defined based on the geotechnical study

Legend

- Bridge
- Finish Ground Level
- Creek Stream Flood Constraints

REV	DESCRIPTION	BY	DATE
01	FIRST VERSION	MS	2025-07-15

FOR INFORMATION ONLY

Jinko Power

PROJECT: AUS.2024003 Garoo

DRAWING: Preliminary & Conceptual Creek Bridge Layout

SCALE:	SHEET:
1 : 10000	1 / 1
REVISION: 1	DATE: 2025-07-15

DIN A2

Garoo Solar Farm And BESS

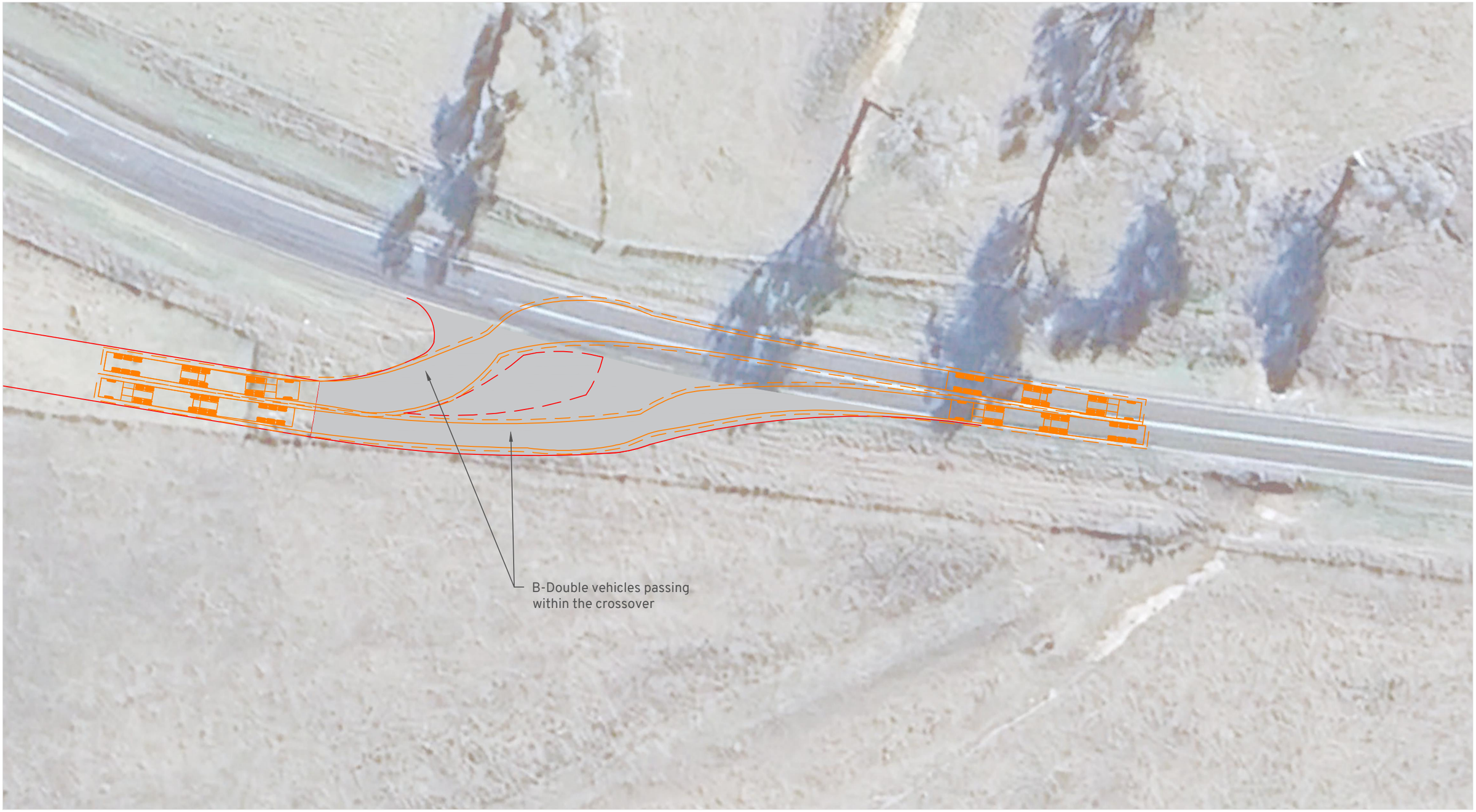
Garoo Road, Garoo

Site Access Strategic Design

DRAWN: TD
DATE: 19/08/2025
DWG NO: 1056 SD04A
SCALE at A3: 1:500m

Amber

00



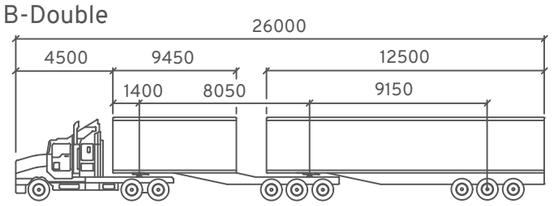
Vehicle Envelope

500mm Clearance

Reverse Manoevure

Min. Design Speed 5km/h

26.0m B-Double



	mm
Tractor Width	: 2500
Trailer Width	: 2500
Tractor Track	: 2500
Trailer Track	: 2500
Lock to Lock	: 6.0s
Steering Angle	: 22.2
Articulating Angle	70.0

Garoo Solar Farm And BESS

Garoo Road, Garoo

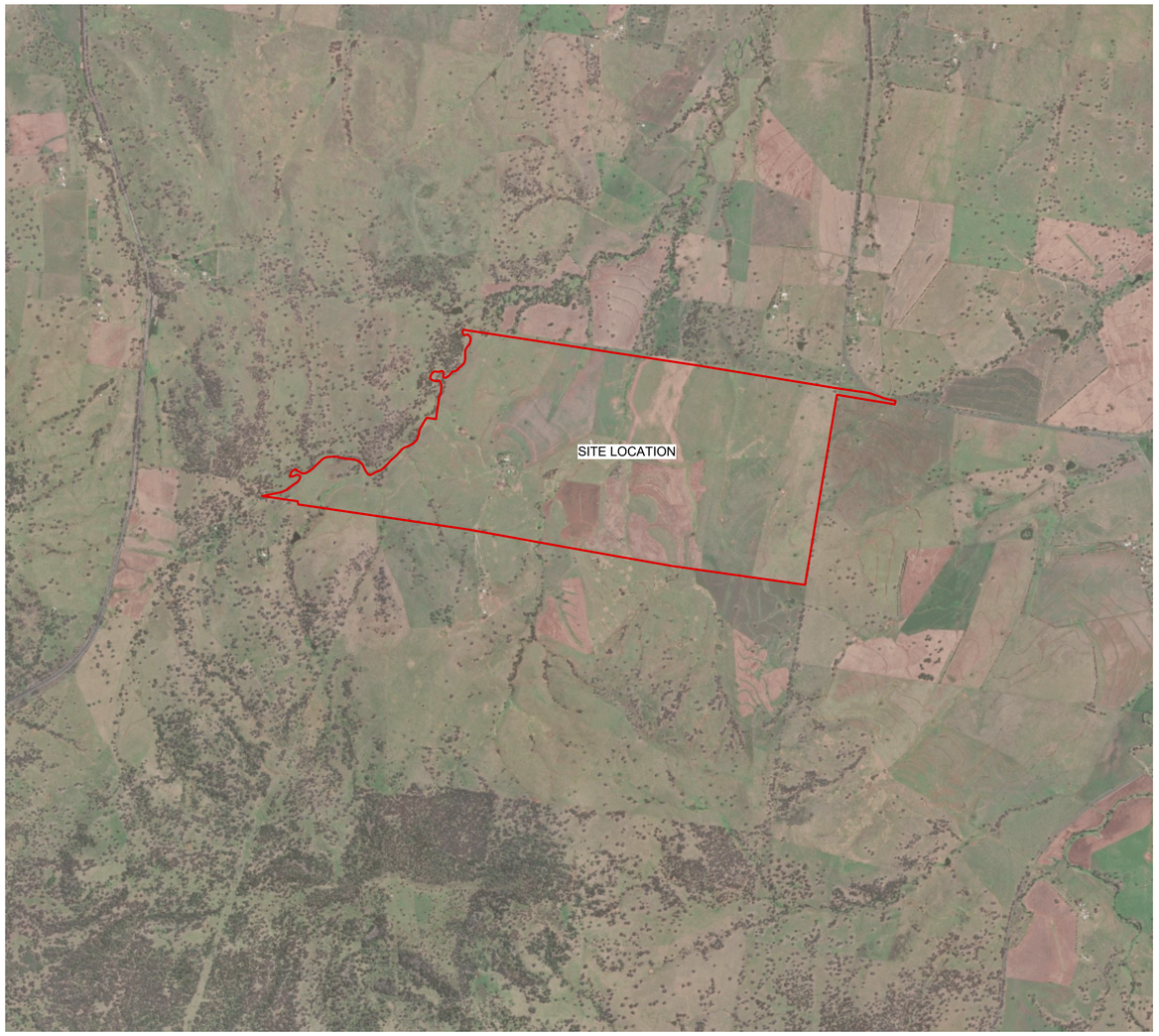
Site Access Swept Path Assessment

DRAWN: TD
DATE: 19/08/2025
DWG NO: 1056 SD04A
SCALE at A3: 1:500m

Amber

01

GAROO SOLAR FARM
LANDSCAPE CONCEPT PLAN
GAROO, NSW 2340



LOCALITY PLAN
Scale 1:20,000

Source: Esri, 2022

Sheet No.	Drawing Title	Revision	Date
LCP01	COVER SHEET	B	11/08/2025
LCP02	SITE PLAN	B	11/08/2025
LCP03	DETAILS	B	11/08/2025

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Islington NSW 2296
Phone (02) 4965 3500
admin@moirla.com.au
www.moirla.com.au

C L I E N T:
ERM

No:	DATE:	REVISION:	BY:
A	13/6/2025	DRAFT FOR REVIEW	CD
B	11/08/2025	DRAFT FOR REVIEW	CD

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

PROJECT:
Garoo Solar Farm
Kamilaroi Country
Garoo, New South Wales 2340

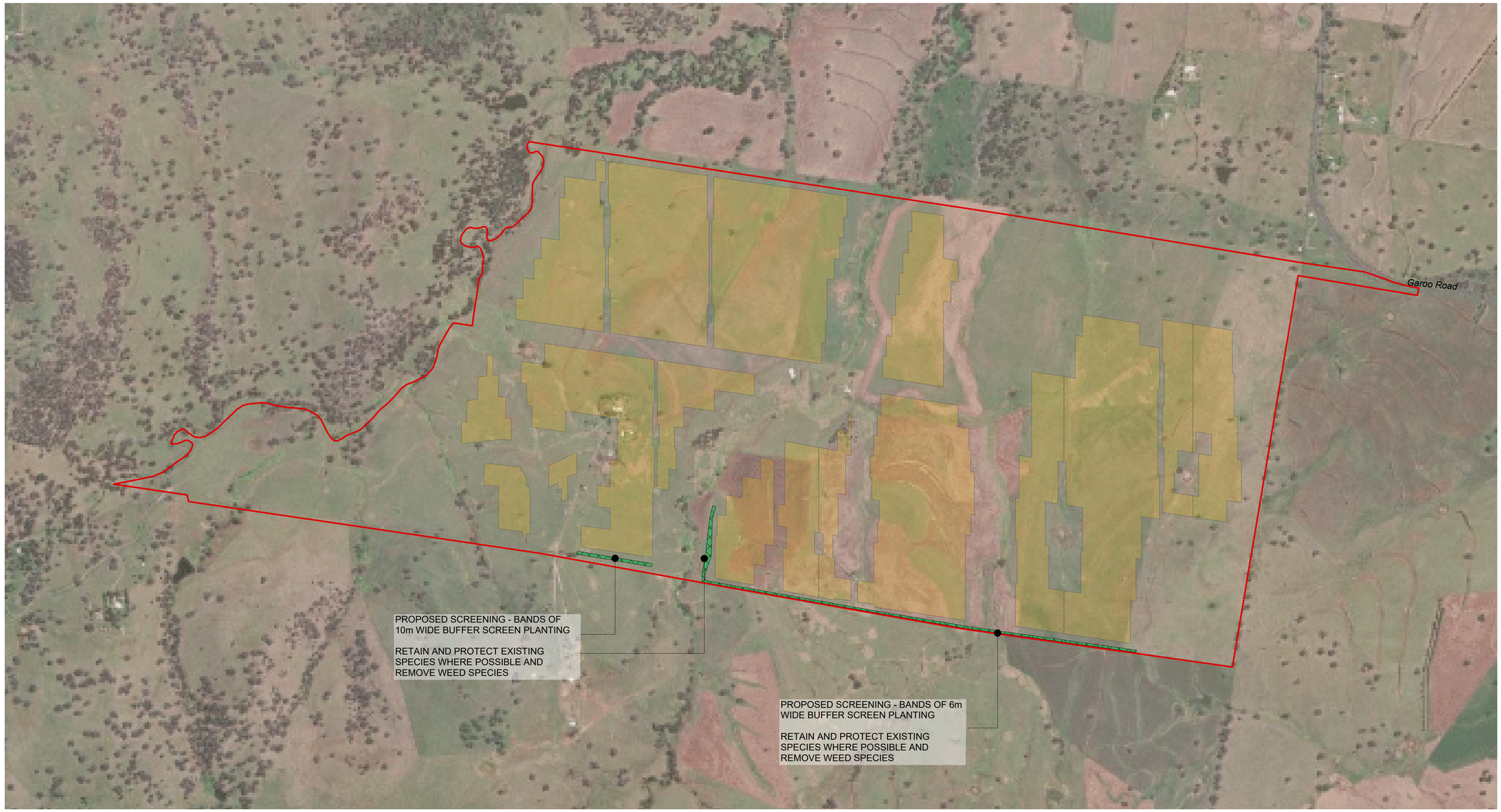
Status: DRAFT

North

COVER SHEET

SCALE: 1:20000
ORIGINAL DRAWING AT A1.
Drawn By: CD
Checked By: AR Approved By: AR

Project No. 2639
Drawing No. LCP01
Rev B



SITE PLAN
Scale: 1:7000

LEGEND

- Project Boundary
- Solar Array Area
- Proposed Planting

moir STUDIO
88 Fern Street
Islington NSW 2296
Phone (02) 4965 3500
admin@moirla.com.au
www.moirla.com.au

CLIENT:
ERM

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

No:	DATE:	REVISION:	BY:
A	13/6/2025	DRAFT FOR REVIEW	CD
B	11/08/2025	DRAFT FOR REVIEW	CD

PROJECT:
Garoo Solar Farm
Kamilaroi Country
Garoo, New South Wales 2340

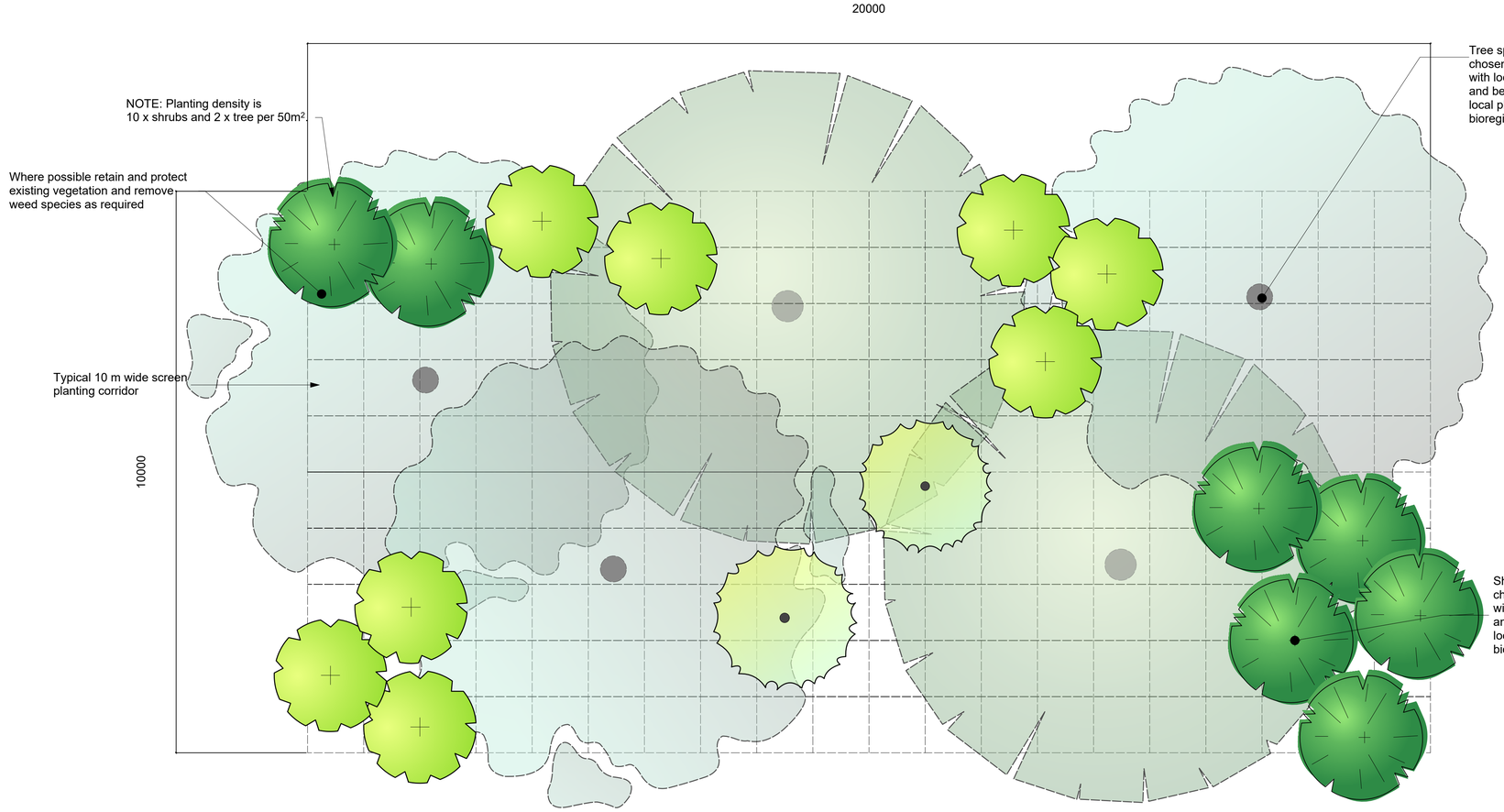
Status: DRAFT

North

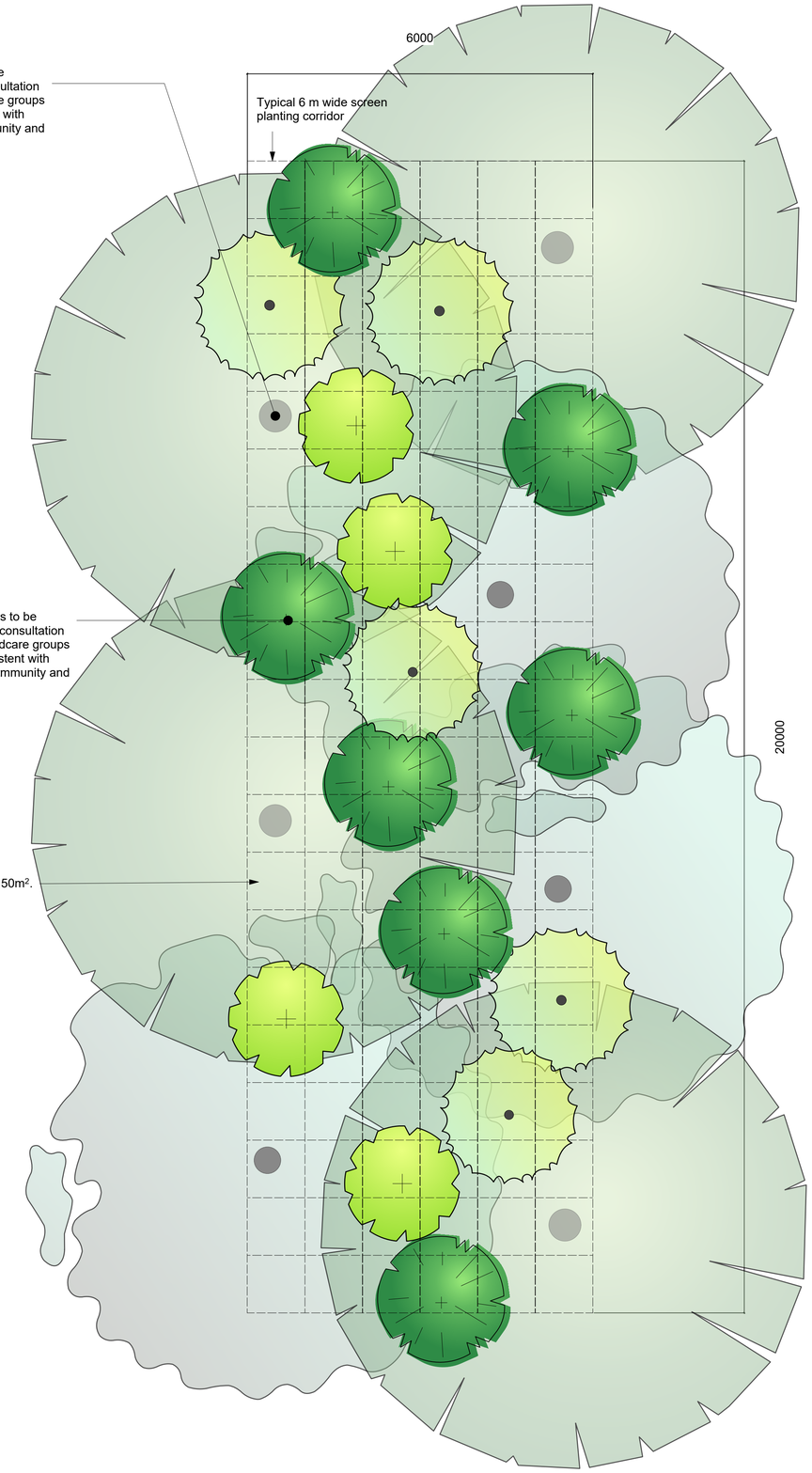
SITE PLAN

SCALE: 1:7000
ORIGINAL DRAWING AT A1.
Drawn By: CD
Checked By: AR Approved By: AR

Project No. 2639
Drawing No. LCP02
Rev B

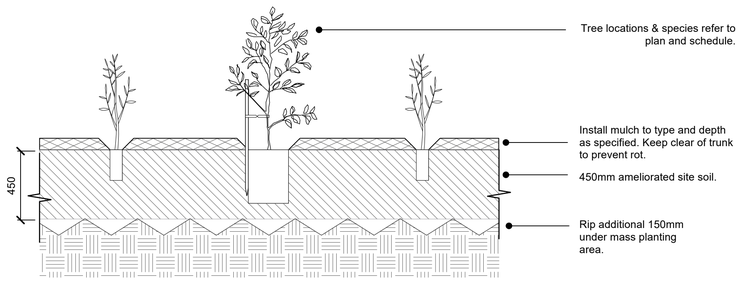


PLANTING DETAIL - TYPICAL PLANTING DETAIL (10m wide)
Scale: 1:50



PLANTING DETAIL - TYPICAL PLANTING DETAIL (6m wide)
Scale: 1:50

PLANTING DETAIL - TYPICAL SECTION
Scale: 1:100



TREE AND SHRUB PLANTING DETAIL
Scale: 1:20

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admin@moirla.com.au
www.moirla.com.au

CLIENT:
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No:	DATE:	REVISION:	BY:
A	13/6/2025	DRAFT FOR REVIEW	CD
B	11/08/2025	DRAFT FOR REVIEW	CD

NOTE: DRAWING PURPOSES FOR APPROVAL ONLY. NOT FOR CONSTRUCTION.

PROJECT:
Garoo Solar Farm
Kamilaroi Country
Garoo, New South Wales 2340

Status: DRAFT

North

DETAILS

SCALE: AS NOTED
ORIGINAL DRAWING AT A1.
Drawn By: CD
Checked By: AR Approved By: AR

Project No. 2639
Drawing No. LCP03
Rev B