

Notes

Data source: Data has been sourced and referenced alongside internal resources at ENGIE.

This data should be used for information purposes only.

This data should be printed in A3 format.

Legend

- Project Area
- BESS Layout
- Construction Buffer
- BESS Disturbance footprint
- existing Visual Screening
- Underground BESS cable to substation
- Asset Connection (existing)
- Area for temporary laydown & construction compounds
- Area for O&M facility
- Area for Substation
- Area for Switchyard (existing)
- Area for Terminal Station (existing)
- SF O&M facility (existing)
- Internal SF Roads (existing)
- Indicative Road Extension
- External Roads
- Site Access
- 220kV Easement line
- Solar Trackers (existing)
- Waterway Easement
- 220kV HV line



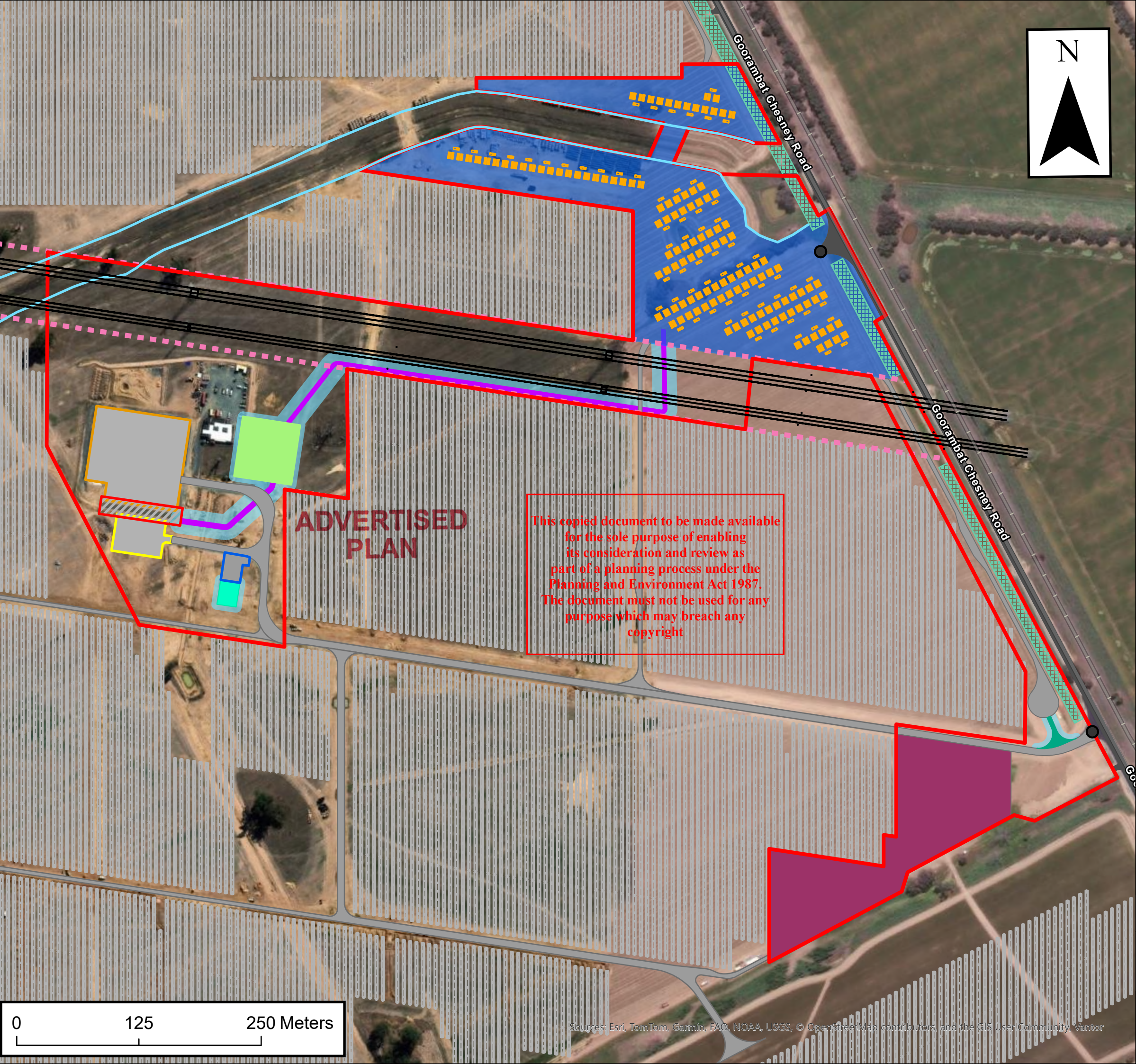
ENGIE Australia & New Zealand

Issue Date: 24.06.2026

Project Name: GoBESS

REV	Description
V1	ENGIE-ENG-LAY-001 Indicative Project footprint
V2	
V3	

Illustrated by: AB



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Vantor

Notes

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This data should be printed in A3 format.

Legend

- Project Area
- BESS Layout
- Construction Buffer
- BESS Disturbance footprint
- Water tank & Hardstand
- existing Visual Screening
- Underground BESS cable to substation
- Asset Connection (existing)
- Area for temporary laydown & construction compounds
- Area for O&M facility
- Area for Substation
- Area for Switchyard (existing)
- Area for Terminal Station (existing)
- SF O&M facility (existing)
- Internal SF Roads (existing)
- Indicative Road Extension
- External Roads
- Waterway
- Site Access
- 220kV Easement line
- Waterway Easement
- 220kV HV line



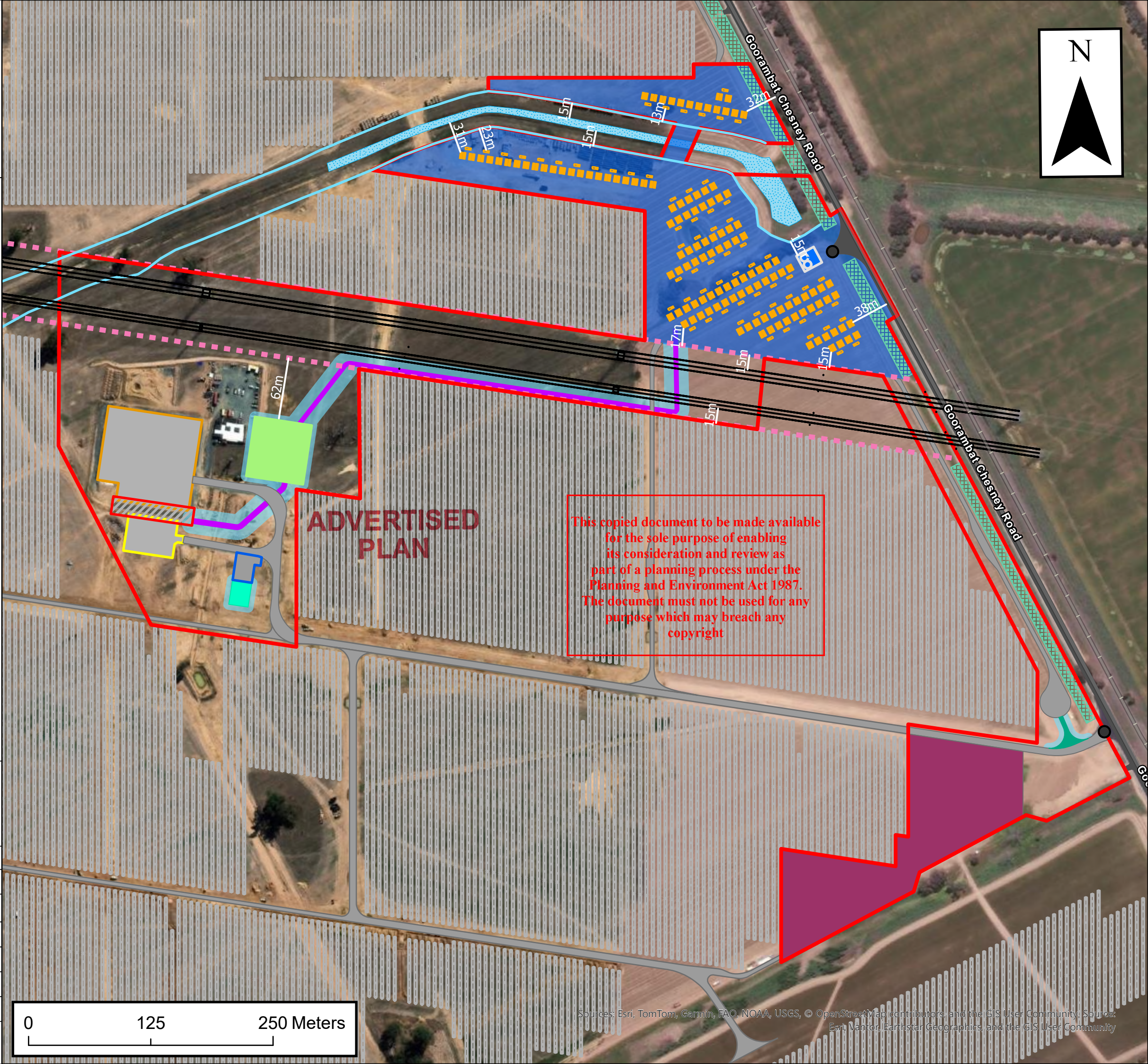
ENGIE Australia & New Zealand

Issue Date: 24.06.2026

Project Name: GoBESS

REV	Description
V1	ENGIE-ENG-LAY-001 Setbacks Plan
V2	
V3	

Illustrated by: AB



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community. Source: Esri, Vantor, Earthstar Geographics, and the GIS User Community

1. CONCEPT DESIGN ONLY. SUBJECT TO CHANGE DURING DETAILED DESIGN.
2. 33kV CABLE SIZING BASED ON NEXANS HIGH VOLTAGE CATALOGUE.
3. SMA INVERTER, MODEL SUNNY CENTRAL 4600 UP-US, USED TO DETERMINE WORST CASE LOAD CURRENT.
INVERTER RATED POWER = 4.6MVA AT 35°C AND POWER FACTOR OF 1.0. INVERTER MAXIMUM CURRENT OUTPUT = 3850A AT 630V AND 35°C. IGNORING STEP-UP TRANSFORMER LOSSES, THIS IS 80.5A AT 33kV.
4. GEOTECHNICAL REPORT ENG-GESE-CV-REP-9001-B PROVIDES RESULTS OF NATIVE SOIL THERMAL RESISTIVITY (TR) TESTS. TEST PIT LOCATIONS ACROSS THE SITE ARE PROVIDED IN APPENDIX B OF THE REPORT. IN SITU TESTING AND LAB TESTING RESULTS ARE PROVIDED IN APPENDIX E. NOT ALL TEST PIT LOCATIONS HAD TR TESTS DONE. THE TEST PITS NEAREST TO THE BESS SITE ARE, TP02, TP08, GE-SUB-TP01, GE-SUB-TP02, GE-SUB-TP03, AND GE-SUB-TP04. THE WORST CASE IN SITU RESULT OF THESE LOCATIONS IS GE-SUB-TP01 WITH $TR = 0.65 \text{ Km/W}$ WITH 15% MOISTURE CONTENT. THE WORST CASE LAB TEST RESULT IS GE-SUB-TP03 WITH $TR = 1.18 \text{ Km/W}$ WITH 0% MOISTURE CONTENT. THIS DESIGN USES AN ASSUMPTION OF $TR = 1.0 \text{ Km/W}$ APPROXIMATELY CORRELATING TO A 2% MOISTURE CONTENT AS A SENSIBLE AND STILL CONSERVATIVE VALUE.
5. -
6. SELECTED CABLE FOR EACH FEEDER IS 3 X 1C, 33kV, 630mm², Cu, XLPE. INSTALLED CABLE RATING CALCULATION IS APPROXIMATE ONLY BASED ON DERATING TABLES PER THE NEXANS CATALOGUE. FURTHER DETAILED DESIGN IS REQUIRED TO CONFIRM THE CABLE SELECTION IS APPROPRIATE.

[illegible]

ADVERTISED PLAN

UPDATE FOR PLANNING SUBMISSION	26.06.2026		
CLIENT COMMENTS CAPTURED	24.06.2026		
INVERTER SIZE INCREASED	21.05.2026		
UPDATED FOR LATEST INVERTER SIZE AND QUANTITY	09.04.2026		
INITIAL ISSUE	24.10.2025	ADDED PROJECT BOUNDARY	28.06.2026
REVISION DETAIL	REVISION DATE	REVISION DETAIL	REVISION DATE
REVISION HISTORY		REVISION HISTORY	

BW Project Engineering 

- Project Development
- EBOP for R0

ben@bwpe.com.au

CLIENT ENGIE	
PROJECT GOORAMBAT EAST BESS 200MW / 1200MWh	
DRAWING TITLE CABLE DESIGN SUB TO BESS	PAPER SIZE A3

NOTES:

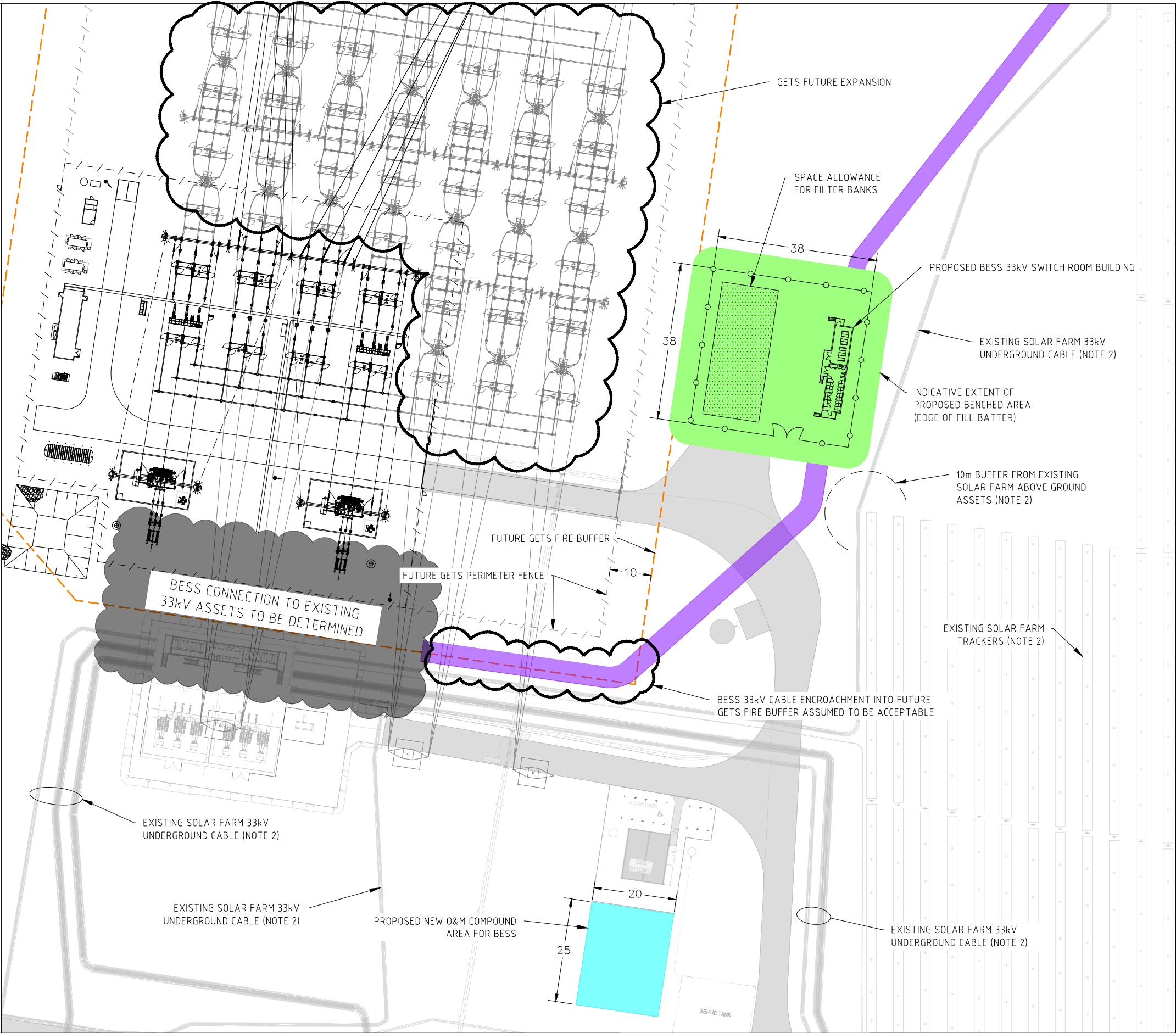
1. CONCEPT DESIGN FOR PLANNING ONLY.
2. LOCATION AS SHOWN OF EXISTING ASSETS, EASEMENTS, ROADS, BOUNDARIES, ETC ARE APPROXIMATE ONLY.
3. LV MAINS AND BACKUP SUPPLIES TO THE BESS SWITCH ROOM BUILDING ASSUMED TO BE PROVIDED FROM THE EXISTING SOLAR FARM.

KEY:

- PROPOSED BESS 33kV UNDERGROUND CABLE CORRIDOR
- FUTURE GETS FIRE BUFFER
- BESS O&M FOOTPRINT

ADVERTISED
PLAN

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UPDATED FOR PLANNING SUBMISSION	26.06.2026		
ADDED DIMENSIONS AS REQUIRED. UPDATED TO 1200MWh	22.01.2026		
ADDED BESS O&M YARD FOOTPRINT	11.11.2025		
INITIAL ISSUE	03.11.2025		
REVISION DETAIL	REVISION DATE	REVISION DETAIL	REVISION DATE
REVISION HISTORY		REVISION HISTORY	

BW

Project Engineering

• Project Development

• EBOP for R0

ben@bwpe.com.au

CLIENT	ENGIE
PROJECT	GOORAMBAT EAST BESS 200MW / 1200MWh
DRAWING TITLE	GRID CONNECTION OVERVIEW
PAPER SIZE	A3

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ADVERTISED
PLAN

LEGEND:

	SOLAR TRACKERS
	BESS CONTAINER (SILENCERS TBC)
	PCS / INVERTER (SILENCERS TBC)
	EXISTING VISUAL SCREENING
	EXISTING SITE PERIMETER FENCE
	BESS PERIMETER FENCE
	INTERNAL BESS ROAD
	INTERNAL SOLAR FARM ROAD
	EXTERNAL ROADS
	220kV HV LINE
	22kV DISTRIBUTION LINE
	220kV EASEMENT LINE
	UNDERGROUND BESS CABLE TO SUBSTATION
	OTHER TREES
	NATIVE TREES WITH 15m BUFFER
	OTHER TREES TO BE REMOVED
	NATIVE TREES TO BE REMOVED
	DESIGNATED WATERWAY BUFFER
	WATER TANK & HARDSTAND
	PROJECT BOUNDARY
	EXISTING FIRE BREAK
	BESS FACILITY FIRE BREAK
	GATE
	RETENTION POND

CLUSTER OF TREES
TO BE RETAINED

EXISTING SOLAR FARM FENCE

CLUSTER OF TREES
TO BE REMOVED

SITE ACCESS

HARDSTAND

EXISTING VISUAL
SCREEN SOLAR
FARM

SOLAR FARM ROAD
TO BE REMOVED

CLUSTER OF TREES
TO BE REMOVED

SOLAR FARM INVERTER

GOORAMBAT-CHESNEY
RD

TOWER_4

REV	DESCRIPTION	DRAWN	DATE	REV	DESCRIPTION	DRAWN	DATE
A	BESS LAYOUT - FOR INFORMATION ONLY	N.A.	19.01.2026				
B	UPDATED COLOUR SCHEME	N.A.	02.02.2026				
C	UPDATED FIRE SAFETY SYSTEMS	N.A.	06.02.2026				
D	UPDATED COLOUR SCHEME	N.A.	10.02.2026				
E	UPDATED FIRE SAFETY SYSTEMS	N.A.	23.02.2026				
F	UPDATED LABELLING	N.A.	25.06.2026				
G	UPDATED TO INCLUDE INDICATIVE SILENCER REQUIREMENTS(SUBJECT TO DETAIL DESIGN)	N.A.	11.08.2026				



ENGIE
Level 23
2 Southbank Boulevard
Southbank
Victoria 3006

TITLE:
BESS GENERAL LAYOUT
GOBESS-ENG-GAR-001-G-BESS
GENERAL LAYOUT

PROJECT:
GOORAMBAT EAST BESS

ENGINEER: N.A.

DATE: 23.02.2026

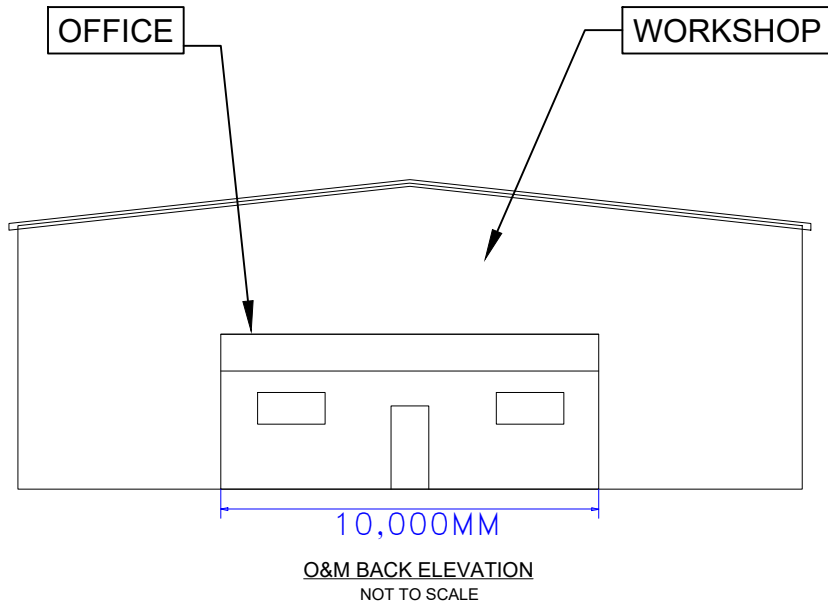
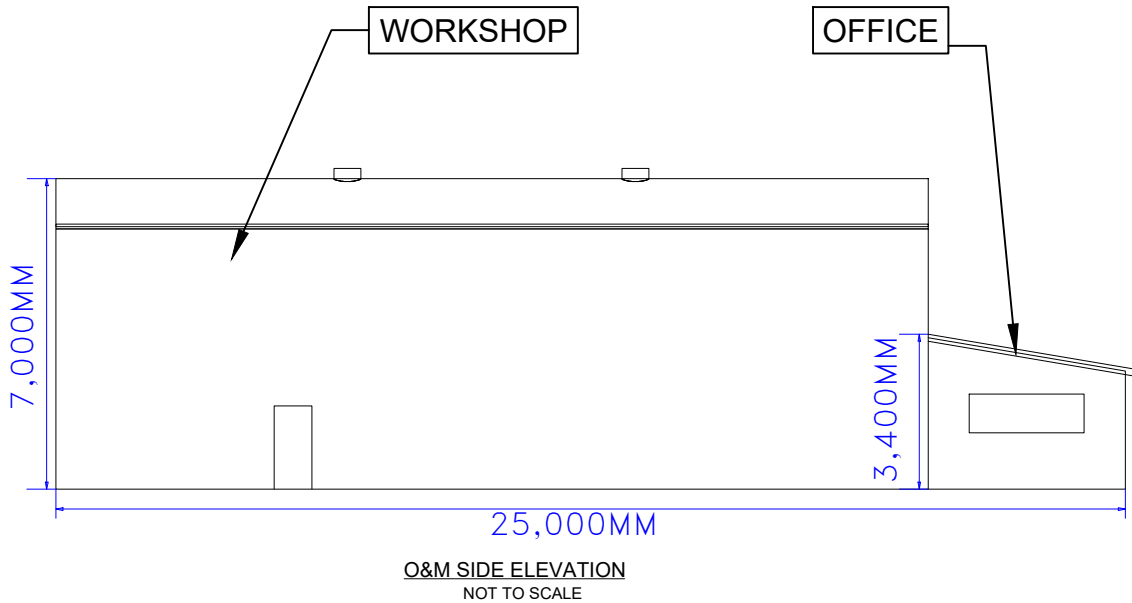
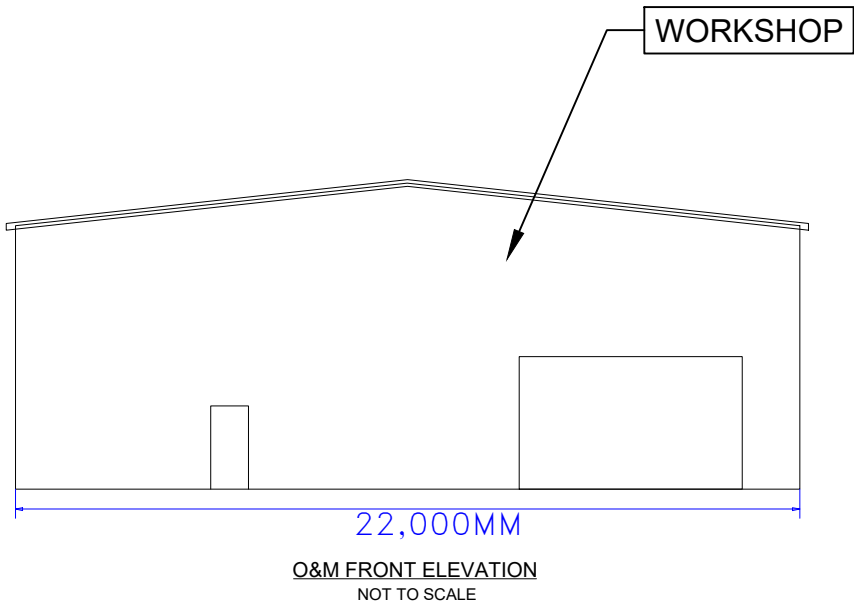
SCALE: NTS

DRAWING No: 001

REV: G

A3

ADVERTISED
PLAN



NOTES

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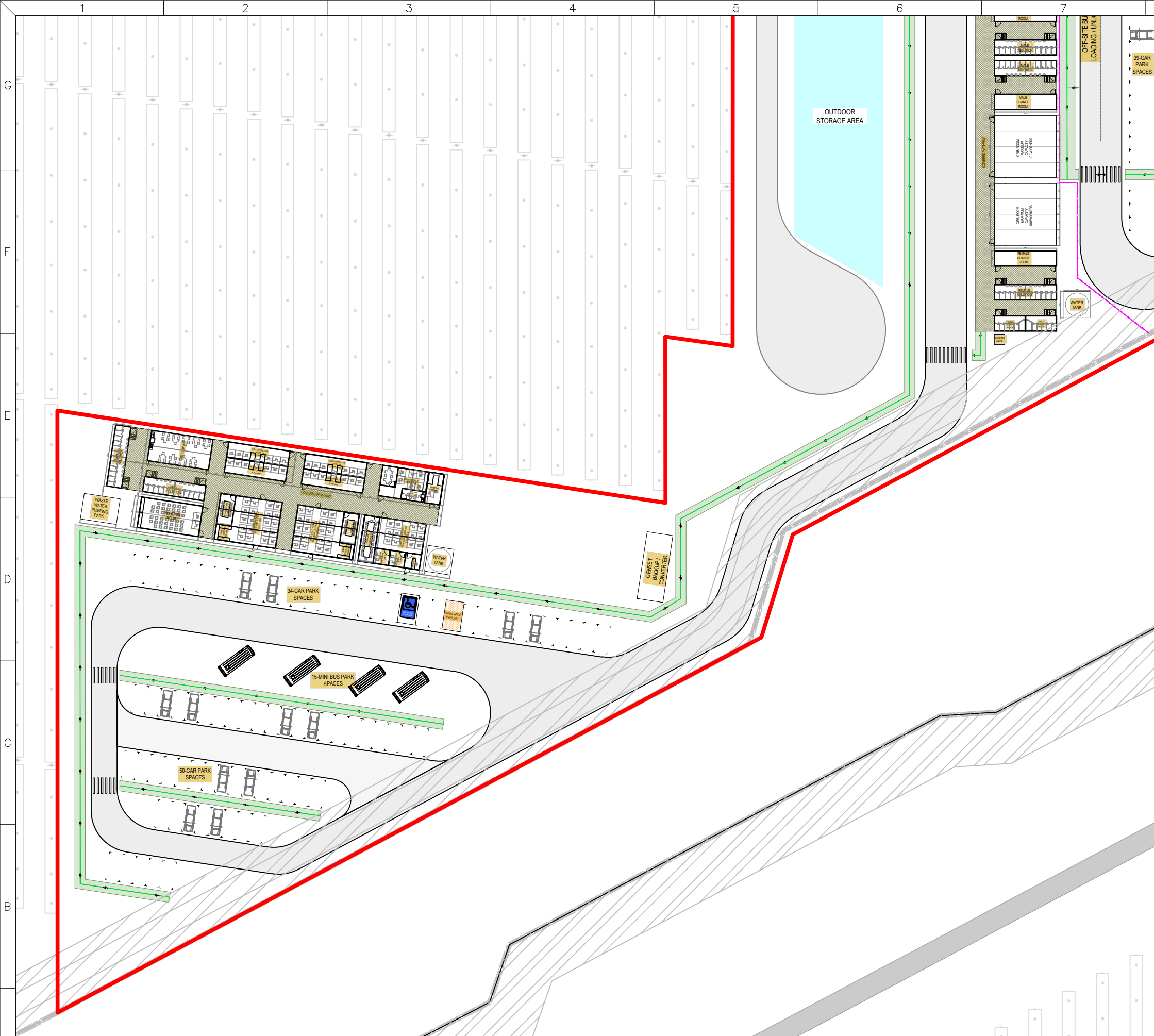
2. DIMENSIONS ARE INDICATIVE AND SUBJECT TO DETAIL DESIGN.

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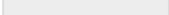
REV	DESCRIPTION	DRAWN	DATE	REV	DESCRIPTION	DRAWN	DATE
A	O&M GENERAL ARRANGEMENT - FOR INFORMATION	N.A.	25.06.2026				
B	DIMENSION UPDATE	N.A.	25.06.2026				



TITLE: O&M GENERAL ARRAGEMENT GOBESS-ENG-GAR-003-B-BESS- O&M GENERAL ARRANGEMENT		PROJECT: GOORAMBAT EAST BESS			
ENGINEER: N.A.		DATE: TBC		SCALE: TBC	
DRAWING No: 003		REV: B		A3	



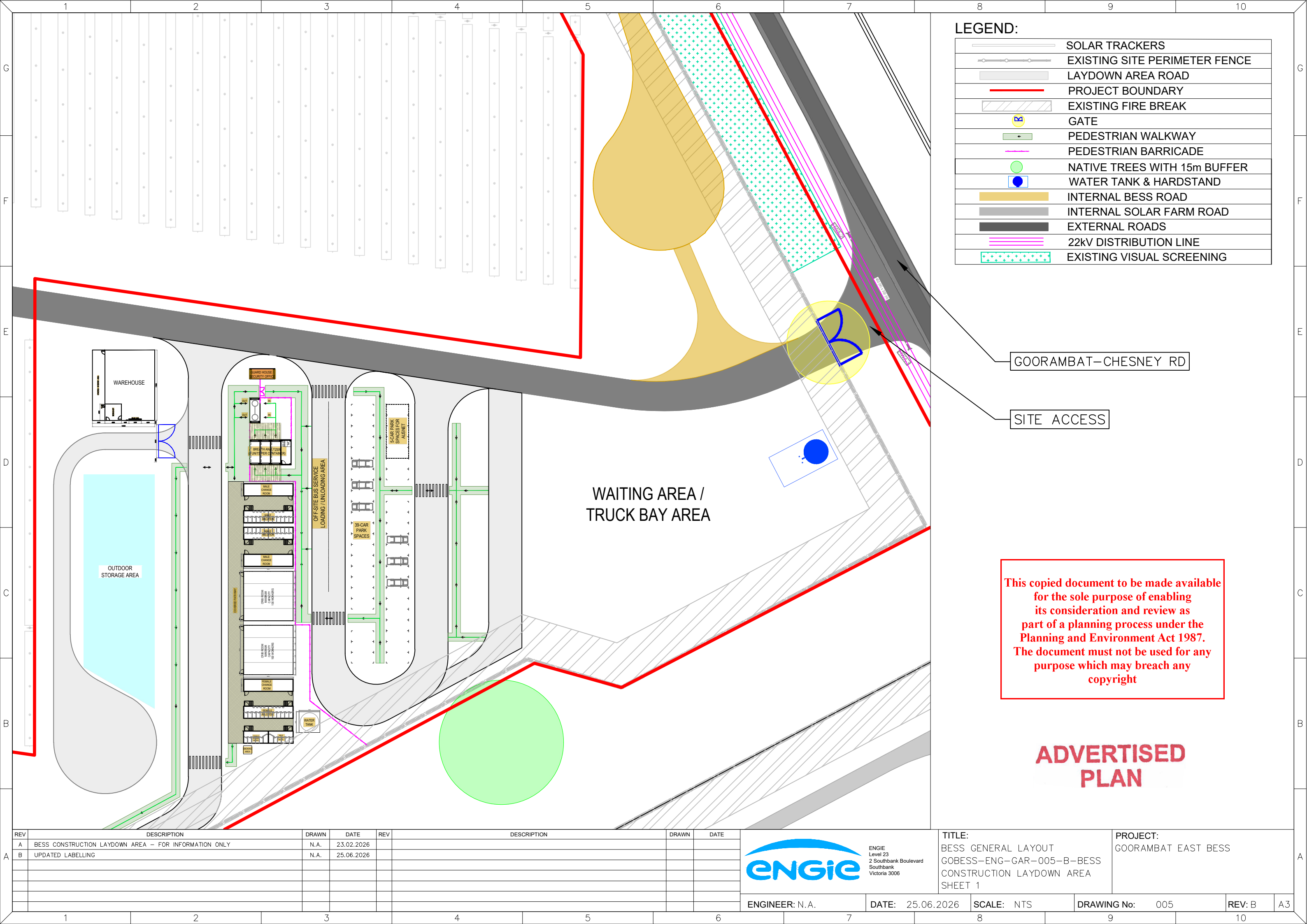
LEGEND:

	SOLAR TRACKERS
	EXISTING SITE PERIMETER FENCE
	LAYDOWN AREA ROAD
	PROJECT BOUNDARY
	EXISTING FIRE BREAK
	GATE
	PEDESTRIAN WALKWAY
	PEDESTRIAN BARRICADE
	INTERNAL SOLAR FARM ROAD

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ADVERTISED PLAN

A	REV	DESCRIPTION		DRAWN	DATE	REV	DESCRIPTION			DRAWN	DATE	 ENGIE Level 23 2 Southbank Boulevard Southbank Victoria 3006		TITLE: BESS GENERAL LAYOUT GOBESS-ENG-GAR-005-A-BESS CONSTRUCTION LAYDOWN AREA SHEET 2		PROJECT: GOORAMBAT EAST BESS				
	A	BESS CONSTRUCTION LAYDOWN AREA – FOR INFORMATION ONLY		N.A.	23.02.2026															
													ENGINEER: N.A.		DATE: 23.02.2026	SCALE: NTS		DRAWING No: 005		REV: A
1		2		3		4		5		6		7		8		9		10		



LEGEND:

	SOLAR TRACKERS
	EXISTING SITE PERIMETER FENCE
	LAYDOWN AREA ROAD
	PROJECT BOUNDARY
	EXISTING FIRE BREAK
	GATE
	PEDESTRIAN WALKWAY
	PEDESTRIAN BARRICADE
	NATIVE TREES WITH 15m BUFFER
	WATER TANK & HARDSTAND
	INTERNAL BESS ROAD
	INTERNAL SOLAR FARM ROAD
	EXTERNAL ROADS
	22kV DISTRIBUTION LINE
	EXISTING VISUAL SCREENING

GOORAMBAT-CHESNEY RD

SITE ACCESS

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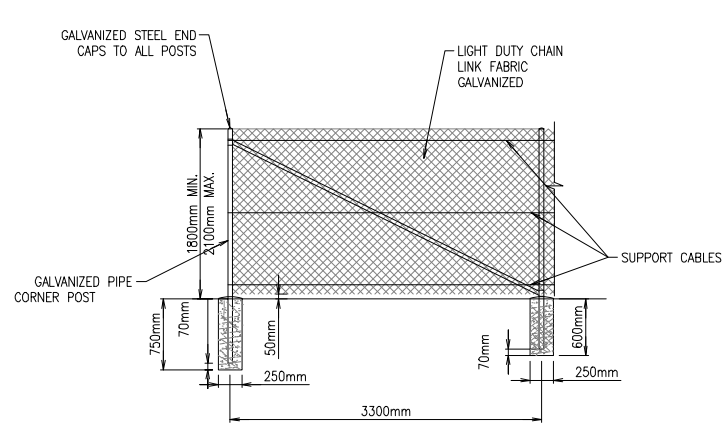
ADVERTISED PLAN

REV	DESCRIPTION	DRAWN	DATE	REV	DESCRIPTION	DRAWN	DATE
A	BESS CONSTRUCTION LAYDOWN AREA - FOR INFORMATION ONLY	N.A.	23.02.2026				
B	UPDATED LABELLING	N.A.	25.06.2026				

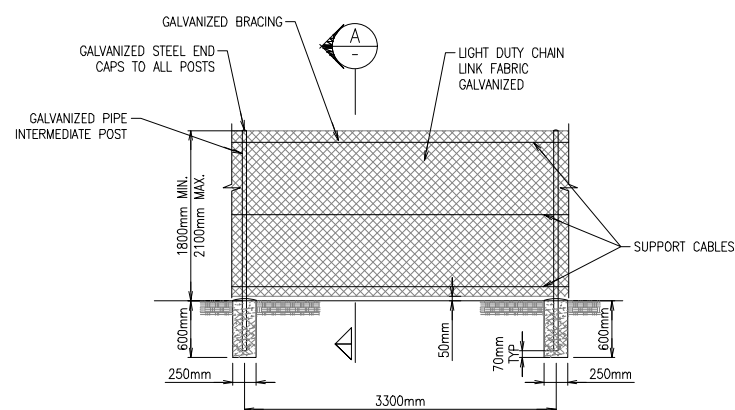


TITLE:
BESS GENERAL LAYOUT
GOBESS-ENG-GAR-005-B-BESS
CONSTRUCTION LAYDOWN AREA
SHEET 1

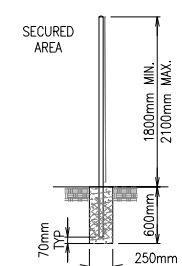
PROJECT:
GOORAMBAT EAST BESS



TYPICAL END BRACE PANEL
N.T.S.



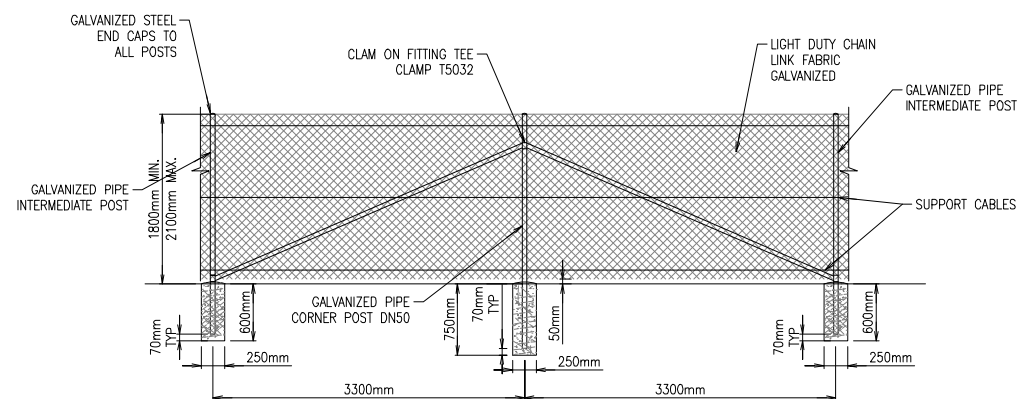
TYPICAL INTERMEDIATE PANEL
N.T.S.



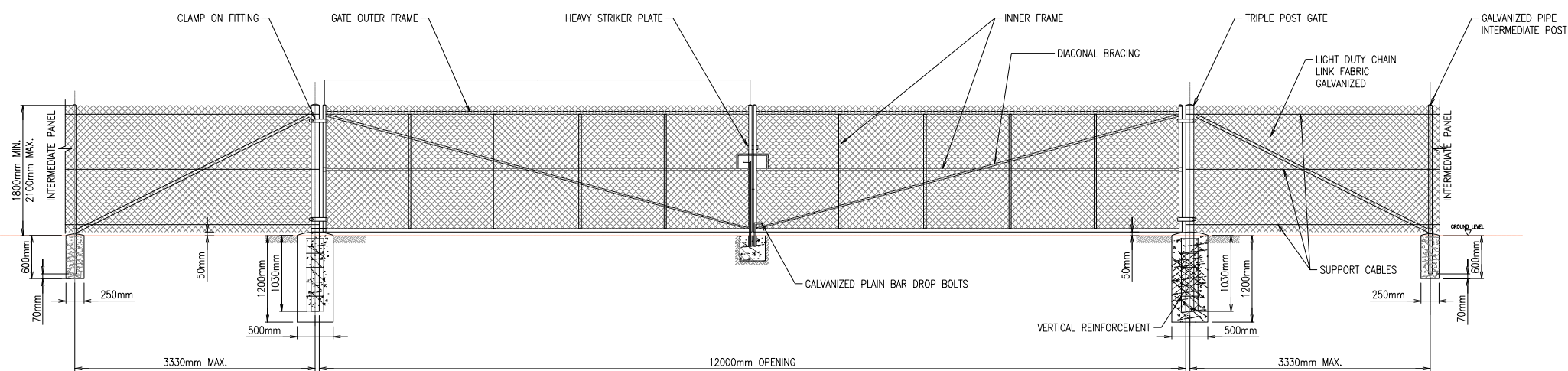
SECTION
NTS

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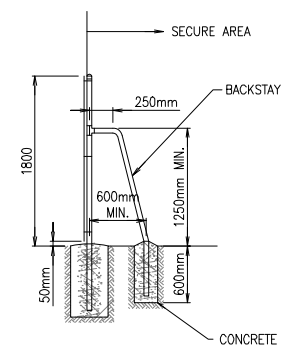
ADVERTISED
PLAN



TYPICAL INTERMEDIATE BRACE PANEL



12000mm OPENING DOUBLE GATES
NTS



GATEPOST AND BACKSTAY DETAILS
N.T.S.

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ENGIE
Level 23
2 Southbank Boulevard
Southbank
Victoria 3006

TITLE:
FENCING DRAWING
GOBESS-ENG-GAR-006-A-FENCING-
DRAWING

PROJECT:
GOORAMBAT EAST BESS

ENGINEER: N.A.

DATE: 24.06.2026

SCALE: TBC

DRAWING No: 006

REV: A

A3

