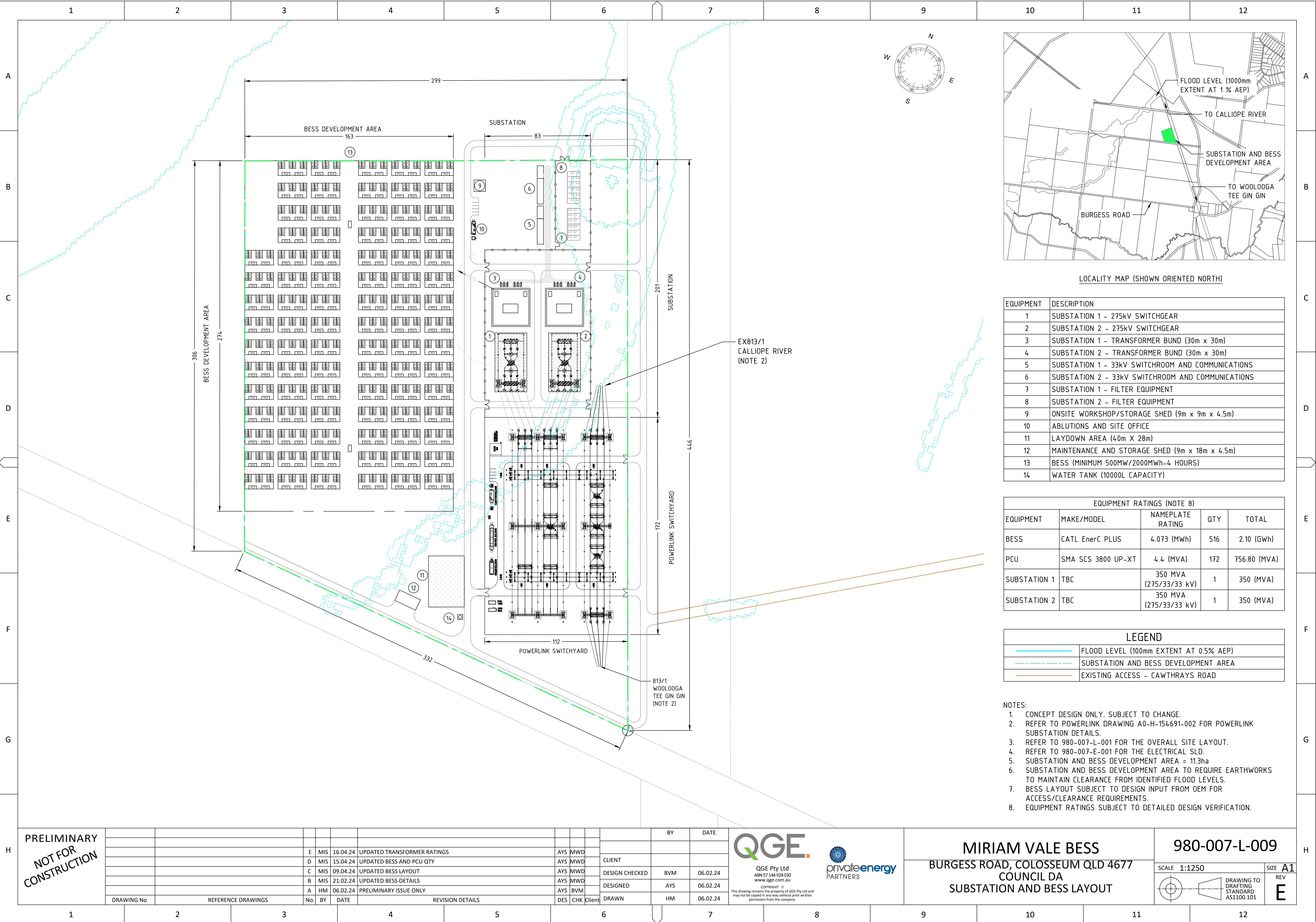




EQUIPMENT	DESCRIPTION
1	SUBSTATION 1 - 275kV SWITCHGEAR
2	SUBSTATION 2 - 275kV SWITCHGEAR
3	SUBSTATION 1 - TRANSFORMER BUND (30m x 30m)
4	SUBSTATION 2 - TRANSFORMER BUND (30m x 30m)
5	SUBSTATION 1 - 33kV SWITCHROOM AND COMMUNICATIONS
6	SUBSTATION 2 - 33kV SWITCHROOM AND COMMUNICATIONS
7	SUBSTATION 1 - FILTER EQUIPMENT
8	SUBSTATION 2 - FILTER EQUIPMENT
9	ONSITE WORKSHOP/STORAGE SHED (9m x 9m x 4.5m)
10	ABLUTIONS AND SITE OFFICE
11	LAYDOWN AREA (40m X 28m)
12	MAINTENANCE AND STORAGE SHED (9m x 18m x 4.5m)
13	BESS (MINIMUM 500MW/2000MWh-4 HOURS)
14	WATER TANK (10000L CAPACITY)

EQUIPMENT RATINGS (NOTE 8)				
EQUIPMENT	MAKE/MODEL	NAMEPLATE RATING	QTY	TOTAL
BESS	CATL EnerC PLUS	4.073 (MWh)	516	2.10 (GWh)
PCU	SMA SCS 3800 UP-XT	4.4 (MVA)	172	756.80 (MVA)
SUBSTATION 1	TBC	350 MVA (275/33/33 kV)	1	350 (MVA)
SUBSTATION 2	TBC	350 MVA (275/33/33 kV)	1	350 (MVA)

LEGEND	
	FLOOD LEVEL (100mm EXTENT AT 0.5% AEP)
	SUBSTATION AND BESS DEVELOPMENT AREA
	EXISTING ACCESS - CAWTHRAYS ROAD

- NOTES:
- CONCEPT DESIGN ONLY. SUBJECT TO CHANGE.
 - REFER TO POWERLINK DRAWING A0-H-154691-002 FOR POWERLINK SUBSTATION DETAILS.
 - REFER TO 980-007-L-001 FOR THE OVERALL SITE LAYOUT.
 - REFER TO 980-007-E-001 FOR THE ELECTRICAL SLD.
 - SUBSTATION AND BESS DEVELOPMENT AREA = 11.3ha
 - SUBSTATION AND BESS DEVELOPMENT AREA TO REQUIRE EARTHWORKS TO MAINTAIN CLEARANCE FROM IDENTIFIED FLOOD LEVELS.
 - BESS LAYOUT SUBJECT TO DESIGN INPUT FROM OEM FOR ACCESS/CLEARANCE REQUIREMENTS.
 - EQUIPMENT RATINGS SUBJECT TO DETAILED DESIGN VERIFICATION.

PRELIMINARY
NOT FOR
CONSTRUCTION

DRAWING No	REFERENCE DRAWINGS	No.	BY	DATE	REVISION DETAILS	DES	CHK	Client	DRAWN	HM	06.02.24
		E	MIS	16.04.24	UPDATED TRANSFORMER RATINGS	AYS	MWD				
		D	MIS	15.04.24	UPDATED BESS AND PCU QTY	AYS	MWD	CLIENT			
		C	MIS	09.04.24	UPDATED BESS LAYOUT	AYS	MWD	DESIGN CHECKED	BVM	06.02.24	
		B	MIS	21.02.24	UPDATED BESS DETAILS	AYS	MWD	DESIGNED	AYS	06.02.24	
		A	HM	06.02.24	PRELIMINARY ISSUE ONLY	AYS	BVM				

QGE
QGE Pty Ltd
ABN 57 144 928 030
www.qge.com.au

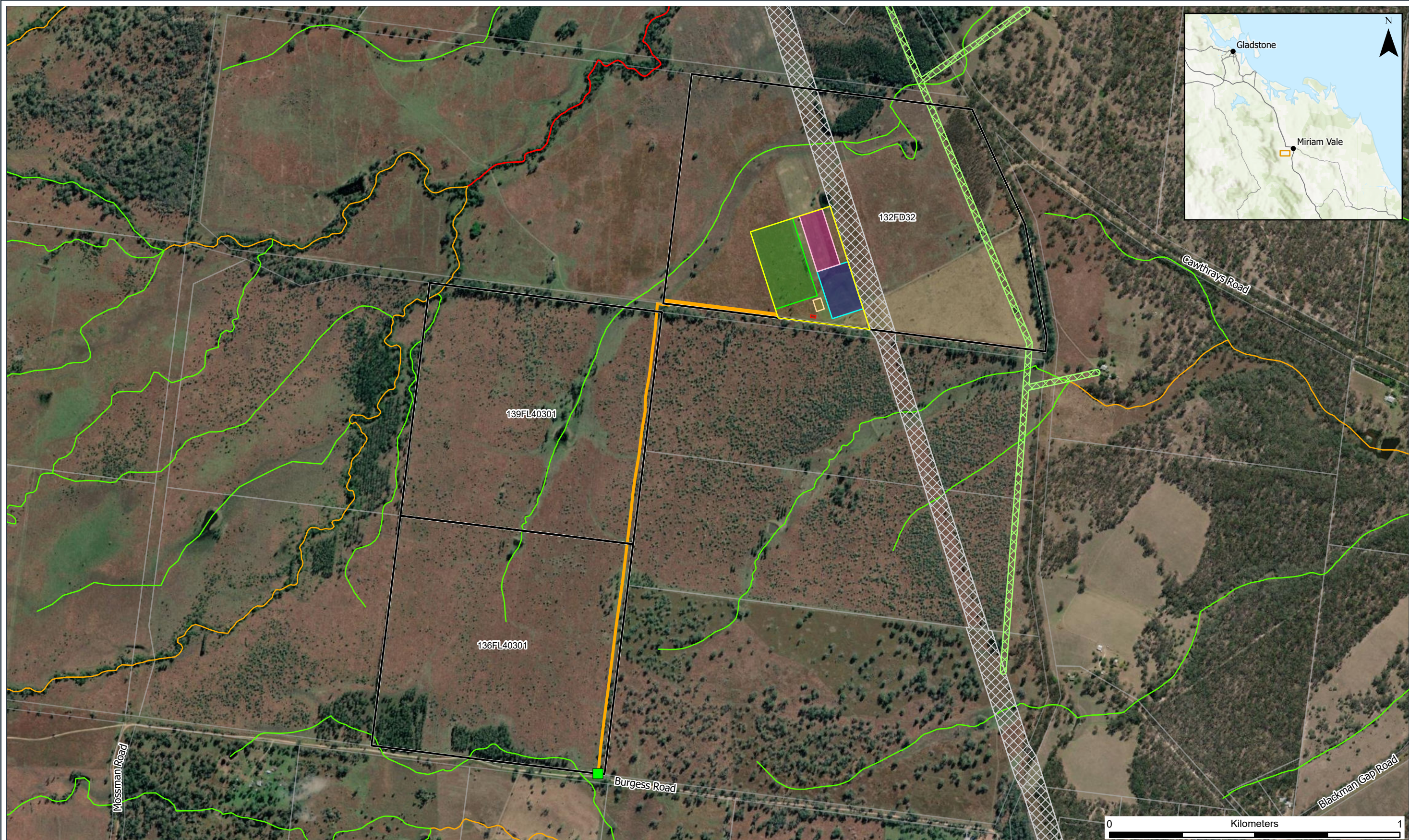
Copyright © QGE Pty Ltd and may not be copied in any way without prior written permission from the company.

privateenergy
PARTNERS

MIRIAM VALE BESS
BURGESS ROAD, COLOSSEUM QLD 4677
COUNCIL DA
SUBSTATION AND BESS LAYOUT

980-007-L-009

SCALE 1:1250
DRAFTING TO STANDARD AS1100.101
SIZE **A1**
REV **E**



Project Layout

- | | | | | | |
|---------------------------------------|---|--------------------------------------|--|-----------------------------|-----------------|
| Burgess Road Access Point | Moderate | Proposed BESS | Proposed Switchyard Development Area | Powerlink Corridor Easement | Lot Type Parcel |
| Local Road | Low | Proposed Internal Access Track | Proposed Laydown Area | OHTL Exclusion Zone | |
| Waterways for Waterway Barrier Works: | Proposed BESS, Substation and Switchyard Area | Proposed Substation Development Area | Proposed Maintenance and Storage Shed Area | Property Boundary | |
| High | | | | | |

MIRIAM VALE BESS

Attexó

REVIEWED: MW

DRAWN: FM

SCALE (A3): 1:12,500

DATE: 17/04/2024

DWG No: PRI-001_018[A]

FIGURE 5-1