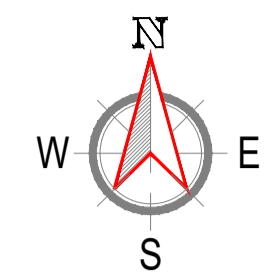


Appendix E. Site Plans



GENERAL NOTES

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE SPECIFIED.
2. FINAL LAYOUT WILL BE DETERMINED AFTER SITE SURVEY.

2P TRACKER OPTION

LEGEND

- PV MODULE BOUNDARY LINE
- 2 x 26 PV TRACKER MODULE (JA 570Wp)
- 2 x 13 PV TRACKER MODULE (JA 570Wp)
- WINE TREES (15,000 Nos.)
- TRANSPOWER 220kV OVERHEAD LINE
- MAINPOWER 66kV OVERHEAD (WOODEN POLE)
- TRANSPOWER 66kV OVERHEAD LINE
- FENCE LINE
- PLANT INTERNAL ROAD (4m WIDTH)
- INVERTER STATION
- SLOPES LINE
- GRAPE TREES FOR WINERY

REFERENCE DRAWINGS

No.	DRAWING TITLE	DRAWING No.

No.	DATE	DESCRIPTION OF REVISION	REMARKS
I	11-03-2024	DRAFT- REMOVED SITE ACCESS #1	
H	28-02-2024	DRAFT- SETBACK 12m @ TRANSMISSION LINE	
G	19-09-2023	DRAFT-UPDATED WITH TOPO, LAND PARCEL & TREES.	
F	15-09-2023	DRAFT-UPDATED WITH TOPO & LAND PARCEL	
E	24-08-2023	DRAFT-WINE TREE ADDED.	
D	03-07-2023	DRAFT-REMOVED PANELS AT EXTENDED LAND AREA	
C	24-05-2023	DRAFT-UPDATED 1P TRACKER WITH 135MWp.	
B	30-03-2023	DRAFT-UPDATED 1P TRACKER & EXTEND LAND	
A	23-02-2023	DRAFT	

PROJECT NAME :

**WAIPARA 143.5MWp
NEW ZEALAND**

OWNER'S ENGINEER :

GENERAL CONTRACTOR :

AQUILA CAPITAL GENERATING ESSENTIAL INVESTMENTS

Aquila Capital Renewables Asia Pte. Ltd.
138 Market Street #09-04 CapitaGreen
Singapore 048946. www.aquila-capital.com

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DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	SIGN	TITLE
HARI	11-03-2024	ARUL	11-03-2024	RON	11-03-2024	H.S	MODULE GENERAL ARRANGEMENT LAYOUT

SHEET SIZE	SHEET	SCALE	REV
A1	1 OF 1	1:6800	I

Sl.No	Description	Volume (m³)	Area (m²)
1	Earthworks to create the access through the site	8,400	28,000
2	Cable trench	24,700	24,700
3	Hardstands for the inverters and MV room	3,900	12,850
4	Mounting posts for solar panels	NA	NA
5	Contingency (20%)	7,400	13,110
Total		44,400	78,660

Road	Value	units
Total length	7,000	m
width	4	m
depth (assumed)	0.3	m
Total area	28,000	sq.m
Total volume	8,400	m³

Cable trench	Value	units
Total length	19,000	m
width (average)	1.3	m
depth (average)	1	m
Total area	24,700	sq.m
Total volume	24,700	m³

PV SYSTEM DETAILS	
SITE COORDINATES	Lat: -43.036°S, Lon:172.7189°E
MODULE TYPE	JA 570Wp
MODULE POWER (Wp)	570
MODULE QTY.	251,784
MOUNTING STRUCTURE TYPE	SINGLE AXIS TRACKERS_2P
TURNING ANGLE	55°
PITCH	10 m
TABLE INNER SPACE	5.5 m
TABLE ARRANGEMENT	2 x 26, 2 x 13
No. OF MODULE PER STRING	26
NOMINAL POWER (kWp)	143,517
INVERTER	SMA SUNNY CENTRAL 4200 UP
INV. Nom. POWER (kWac)	4200
INVERTER QTY.	30
INVERTER CAPACITY (kWac)	126,000
AC CAPACITY (MWac)	100
MODULE AREA	180.8 ha

