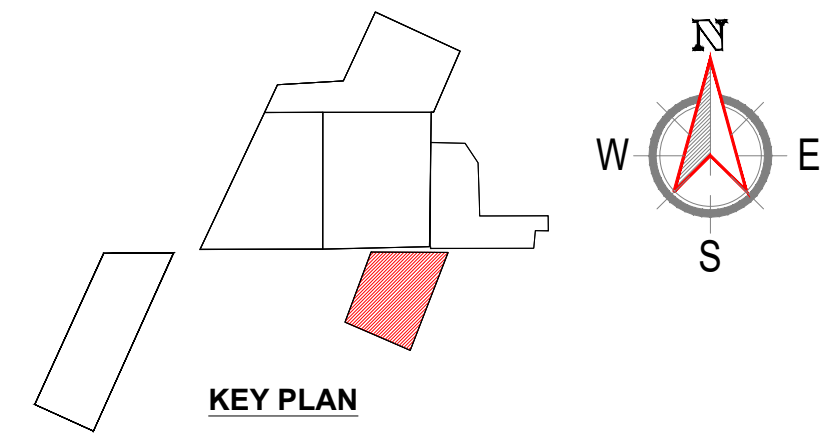




PRELIMINARY DESIGN



GENERAL NOTES

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

LEGEND

- 2 x 26 PV TRACKER MODULE (JA 570Wp)
- 2 x 13 PV TRACKER MODULE (JA 570Wp)
- WATER RACES
- 110kV TRANSMISSION LINE
- PLANT INTERNAL ROAD (4m WIDTH)
- UNDERGROUND TRENCH (33kV INVERTER/COMMUNICATION CABLE)
- INVERTER STATION
- SCREENING TREES (2m Height)
- PROPOSED CANAL CROSSING
- WATER TANK (Ø3m)
- INVERTER STRING AREA

REFERENCE DRAWINGS

No.	DRAWING TITLE	DRAWING No.

H	13-02-2023	DRAFT - RENAME 110kV, WATER RACES & INV STN MOVED.	
G	09-02-2023	DRAFT - UPDATED WITH INVERTER AREA.	
F	11-01-2023	DRAFT - UPDATED JA 570Wp MODULE.	
E	03-11-2022	DRAFT - UPDATED BOUNDARY & WATER TANK	
D	14-10-2022	DRAFT - UPDATED WITH EXTENDED PLOT AREA	
C	28-09-2022	DRAFT - UPDATED PLANT ROAD, UNDERGROUND LINE	
B	14-09-2022	DRAFT	
A	02-09-2022	DRAFT	
R	DATE	DESCRIPTION OF REVISION	REMARKS

PROJECT NAME :

**GREYTOWN 175MWp
NEW ZEALAND**

OWNER'S ENGINEER :

GENERAL CONTRACTOR :

AQUILA CAPITAL

GENERATING
ESSENTIAL
INVESTMENTS

Aquila Capital Renewables Asia Pte. Ltd.
138 Market Street #15-03 CapitaGreen
Singapore 048946. www.aquila-capital.com

This drawing is property of Aquila Capital and may not be copied (in whole or in part) used for manufacturing or disclosed without prior consent of Aquila Capital Singapore.

DRAWN BY : HARI	SIGN : H.S	TITLE :
DATE : 13-02-2023		
CHECKED BY : ARUL	A.M	MODULE GENERAL
DATE : 13-02-2023		ARRANGEMENT LAYOUT
APPROVED BY : TIMO	T.K	
DATE : 13-02-2023		

DRAWING No. **ACRA-NZD-GS-GT-001**

SHEET SIZE A1	SHEET 1 OF 3	SCALE 1:1250	REV H
----------------------	---------------------	---------------------	--------------

PV SYSTEM DETAILS	
SITE COORDINATES	Lat: -41.12°S, Lon:175.43°E
MODULE TYPE	JA 570Wp
MODULE POWER (Wp)	570
MODULE QTY.	307,034
MOUNTING STRUCTURE TYPE	SINGLE AXIS TRACKERS
TURNING ANGLE	55°
PITCH	10.5 m
TABLE ARRANGEMENT	2 x 26, 2 x 13
No. OF MODULE PER STRING	26
NOMINAL POWER (kWp)	175,009
INVERTER	SMA SUNNY CENTRAL 4200 UP
INV. Nom. POWER (kWac)	4200
INVERTER QTY.	40
AC POWER (kWac)	168,000
MODULE AREA	219.3 ha

