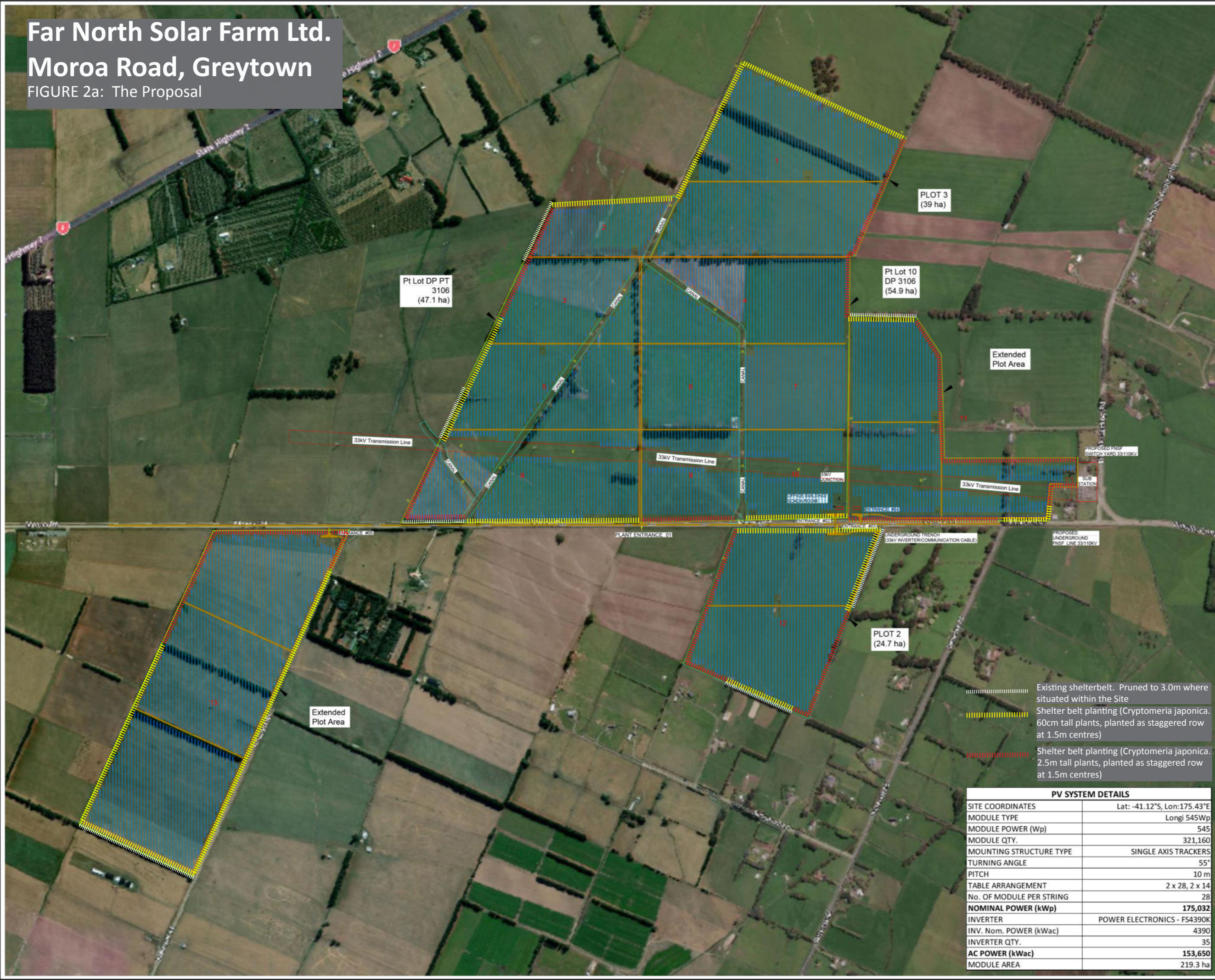
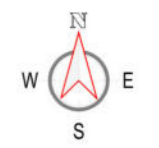


Far North Solar Farm Ltd. Moroa Road, Greytown

FIGURE 2a: The Proposal



PRELIMINARY DESIGN



GENERAL NOTES

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

LEGEND

- 2 x 28 PV TRACKER MODULE (Longi 545Wp)
- 2 x 14 PV TRACKER MODULE (Longi 545Wp)
- CANAL
- 33kV TRANSMISSION LINE
- PLANT INTERNAL ROAD (4m WIDTH)
- UNDERGROUND TRENCH (33kV INVERTER/COMMUNICATION CABLE)
- INVERTER STATION
- SCREENING TREES (2m Height)
- WATER TANK (Ø3m)

REFERENCE DRAWINGS

No.	DRAWING TITLE	DRAWING No.	
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

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DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	SIGN	TITLE
HARI	03-11-2022	ARUL	03-11-2022	TMO	03-11-2022	R.S	MODULE GENERAL ARRANGEMENT LAYOUT

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

SHEET SIZE	SHEET	SCALE	REV
A1	1 OF 1	1:5500	E

- Existing shelterbelt. Pruned to 3.0m where situated within the Site
- Shelter belt planting (Cryptomeria japonica. 60cm tall plants, planted as staggered row at 1.5m centres)
- Shelter belt planting (Cryptomeria japonica. 2.5m tall plants, planted as staggered row at 1.5m centres)

PV SYSTEM DETAILS	
SITE COORDINATES	Lat: -41.12°S, Lon:175.43°E
MODULE TYPE	Longi 545Wp
MODULE POWER (Wp)	545
MODULE QTY.	321,160
MOUNTING STRUCTURE TYPE	SINGLE AXIS TRACKERS
TURNING ANGLE	55°
PITCH	10 m
TABLE ARRANGEMENT	2 x 28, 2 x 14
No. OF MODULE PER STRING	28
NOMINAL POWER (kWp)	175,032
INVERTER	POWER ELECTRONICS - FS4390K
INV. Nom. POWER (kWac)	4390
INVERTER QTY.	35
AC POWER (kWac)	153,650
MODULE AREA	219.3 ha