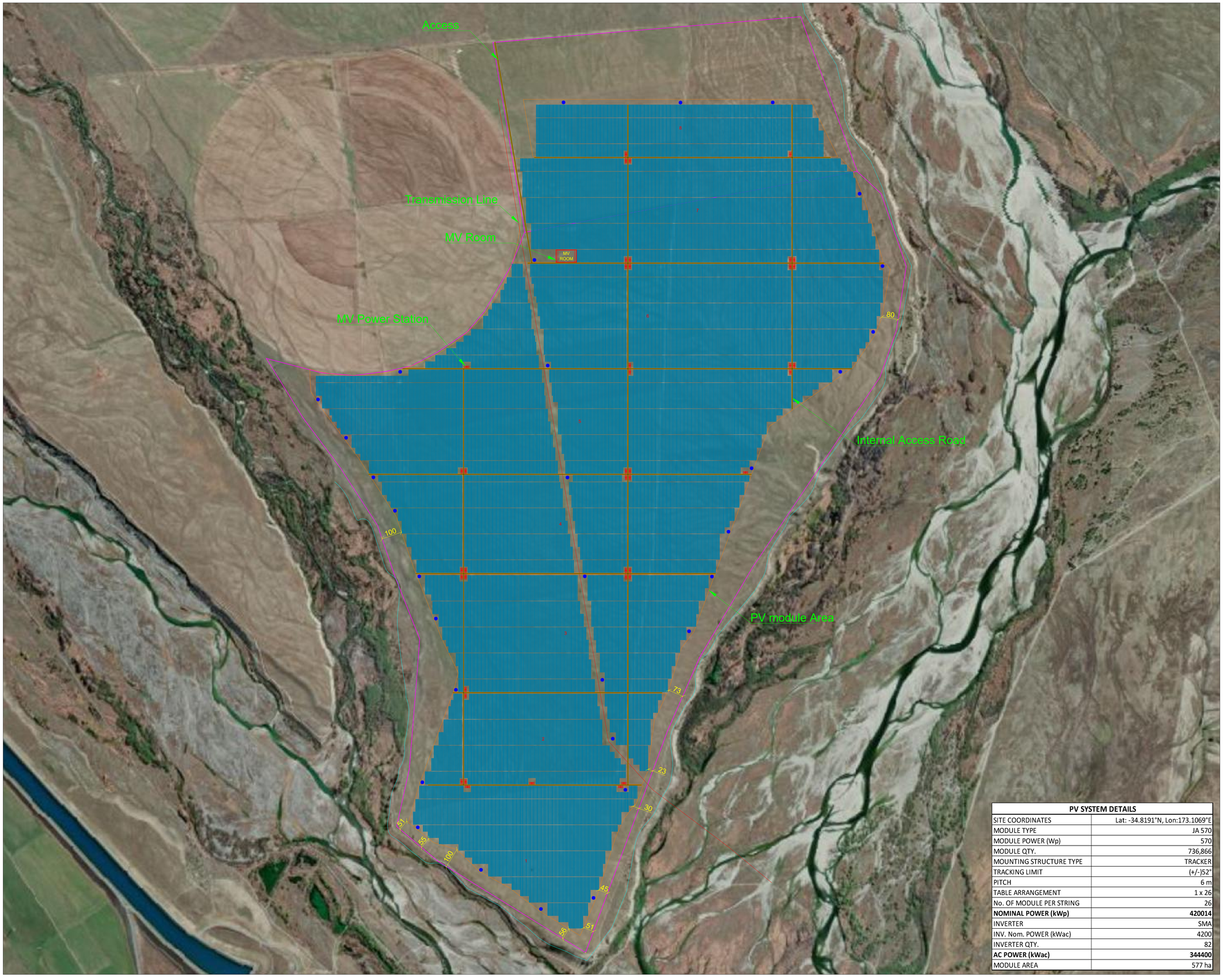
# Appendix E: Site Layout Plan




| PV SYSTEM DETAILS | |
|---|---|
| SITE COORDINATES | Lat: -34.8191°N, Lon:173.1069°E |
| MODULE TYPE | JA 570 |
| MODULE POWER (Wp) | 570 |
| MODULE QTY. | 736,866 |
| MOUNTING STRUCTURE TYPE | TRACKER |
| TRACKING LIMIT | (+/-)52° |
| PITCH | 6 m |
| TABLE ARRANGEMENT | 1 x 26 |
| No. OF MODULE PER STRING | 26 |
| **NOMINAL POWER (kWp)** | **420014** |
| INVERTER | SMA |
| INV. Nom. POWER (kWac) | 4200 |
| INVERTER QTY. | 82 |
| **AC POWER (kWac)** | **344400** |
| MODULE AREA | 577 ha |

# PRELIMINARY DESIGN

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## GENERAL NOTES

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

## TRACKER OPTION

## LEGEND

- SITE BOUNDARY
- TRANSMISSION LINE
- PLANT ROAD (4m Width)
- MEDIUM VOLTAGE POWER STATION
- MV ROOM
- WATER TANK (FIRE FIGHTING)
- PV MODULE (570Wp) ( 1 x 26 MODULE TRACKER TABLE )

**REFERENCE DRAWINGS**

| No. | DRAWING TITLE | DRAWING No. |
|---|---|---|
| | | |
| | | |

| R | DATE | DESCRIPTION OF REVISION | REMARKS |
|---|---|---|---|
| F | 03-05-2023 | UPDATED 100m OFFSET FROM BOUNDARY TO MODULE | |
| E | 22-03-2023 | UPDATED INTERNAL ROAD/ INVERTER STATION | |
| D | 15-12-2022 | DRAFT - LAYOUT UPDATED | |
| C | 29-11-2022 | DRAFT - LAYOUT UPDATED | |
| B | 20-09-2021 | DRAFT - DRAINAGE ROUTE UPDATED | |
| A | 14-09-2021 | DRAFT | |

PROJECT NAME :

**GENESIS - OHAU C - 420MWp**
**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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| | | SIGN |
|---|---|---|
| DRAWN BY | : HARI | H.S |
| DATE | : 03-05-2023 | |
| CHECKED BY | : ARUL | A.M |
| DATE | : 03-05-2023 | |
| APPROVED BY | : TIMO | T.K |
| DATE | : 03-05-2023 | |

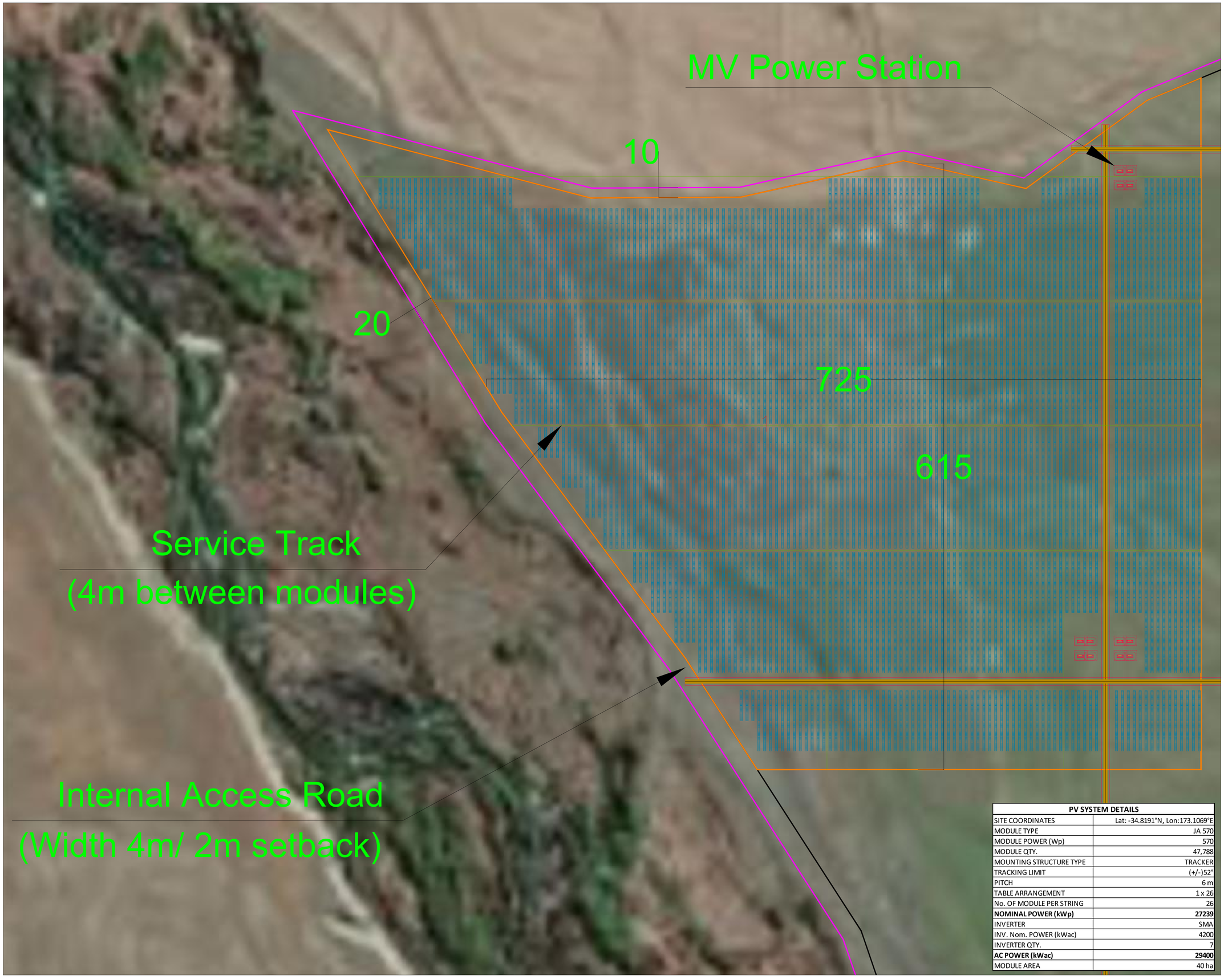
TITLE :

**MODULE GENERAL ARRANGEMENT LAYOUT**

DRAWING No.

**ACRA-NZ-GS-OHA-001**

| SHEET SIZE | SHEET | SCALE | REV |
|---|---|---|---|
| A1 | 1 OF 1 | 1:8500 | F |




| PV SYSTEM DETAILS | |
|---|---|
| SITE COORDINATES | Lat: -34.8191°N, Lon:173.1069°E |
| MODULE TYPE | JA 570 |
| MODULE POWER (Wp) | 570 |
| MODULE QTY. | 47,788 |
| MOUNTING STRUCTURE TYPE | TRACKER |
| TRACKING LIMIT | (+/-)52° |
| PITCH | 6 m |
| TABLE ARRANGEMENT | 1 x 26 |
| No. OF MODULE PER STRING | 26 |
| **NOMINAL POWER (kWp)** | **27239** |
| INVERTER | SMA |
| INV. Nom. POWER (kWac) | 4200 |
| INVERTER QTY. | 7 |
| **AC POWER (kWac)** | **29400** |
| MODULE AREA | 40 ha |

PRELIMINARY DESIGN

N
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S

**GENERAL NOTES**

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

## TRACKER OPTION

**LEGEND**

- SITE BOUNDARY
- TRANSMISSION LINE
- PLANT ROAD (4m Width)
- MEDIUM VOLTAGE POWER STATION
- PV MODULE (570Wp) ( 1 x 26 MODULE TRACKER TABLE )

**REFERENCE DRAWINGS**

| No. | DRAWING TITLE | DRAWING No. |
|---|---|---|
| | | |
| | | |
| | | |

| R | DATE | DESCRIPTION OF REVISION | REMARKS |
|---|---|---|---|
| F | 27-03-2023 | REFERENCE | |
| E | 22-03-2023 | UPDATED INTERNAL ROAD/ INVERTER STATION | |
| D | 15-12-2022 | DRAFT - LAYOUT UPDATED | |
| C | 29-11-2022 | DRAFT - LAYOUT UPDATED | |
| B | 20-09-2021 | DRAFT - DRAINAGE ROUTE UPDATED | |
| A | 14-09-2021 | DRAFT | |

PROJECT NAME :

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OWNER'S ENGINEER :

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| | | SIGN |
|---|---|---|
| DRAWN BY | : PHAM | P.H |
| DATE | : 27-03-2023 | |
| CHECKED BY | : ARUL | A.M |
| DATE | : 27-03-2023 | |
| APPROVED BY | : TIMO | T.K |
| DATE | : 27-03-2023 | |

TITLE :

**MODULE GENERAL ARRANGEMENT LAYOUT**

DRAWING No.

**ACRA-NZ-GS-OHA-001**

| SHEET SIZE | SHEET | SCALE | REV |
|---|---|---|---|
| A1 | 1 OF 1 | 1:7000 | F |