

NOTES:

1. ALL DIMENSIONS ARE INDICATIVE AND IN "METERS" UNLESS OTHERWISE STATED.
2. DESIGN BASED ON SITE BOUNDARIES PROVIDED IN GOOGLE EARTH FILES BY THE CLIENT.
3. THE DESIGN ASSUMES THAT ALL OBSTRUCTIONS WITHIN THE BOUNDARIES, WHICH COULD SHADE THE PV ARRAY, WILL BE REMOVED PRIOR TO THE INSTALLATION.
4. SITE TOPOGRAPHY IS ASSUMED SUITABLE FOR SINGLE-AXIS TRACKERS INSTALLATION, OTHERWISE EARTHWORKS MAY BE REQUIRED TO FIT SYSTEM SPECIFICATIONS. IT IS ASSUMED THAT THE SITE IS MATERIALLY FLAT AND CONTAINS NO MATERIAL CONSTRAINTS.
5. THE DESIGN ASSUMES THAT ALL MV POWER SUBSTATIONS (MVPS) CONTAIN 2X2,500 KW INVERTERS, 33KV TRANSFORMER AND SWITCHGEAR.
6. SETBACKS CONSIDERED IN LAYOUT ARE SUBJECT TO CHANGE DURING DETAILED DESIGN PHASE.
7. LOCATION OF THE MVPS ARE INDICATIVE ONLY AND ARE EXPECTED TO CHANGE DURING THE DETAILED DESIGN PHASE.
8. THE ON-SITE HV SUBSTATION FLOOR PLAN IS INDICATIVE. FINAL CONFIGURATION IS SUBJECT TO CHANGE ACCORDING TO THE GRID CONNECTION AGREEMENT.

SYSTEM SPECIFICATIONS

MODULE:

SUNPOWER 1500V P19 (385 Wp) OR EQUIVALENT
DIMENSIONS: 2,067 X 998 X 46 MM

INVERTER:

INVERTER CAPACITY: 2,500kVA (@25C) / 2,250kVA (@50C)
2 INVERTERS PER MV POWER STATION (MVPS)
N° OF MVPS: 40

MOUNTING STRUCTURE:

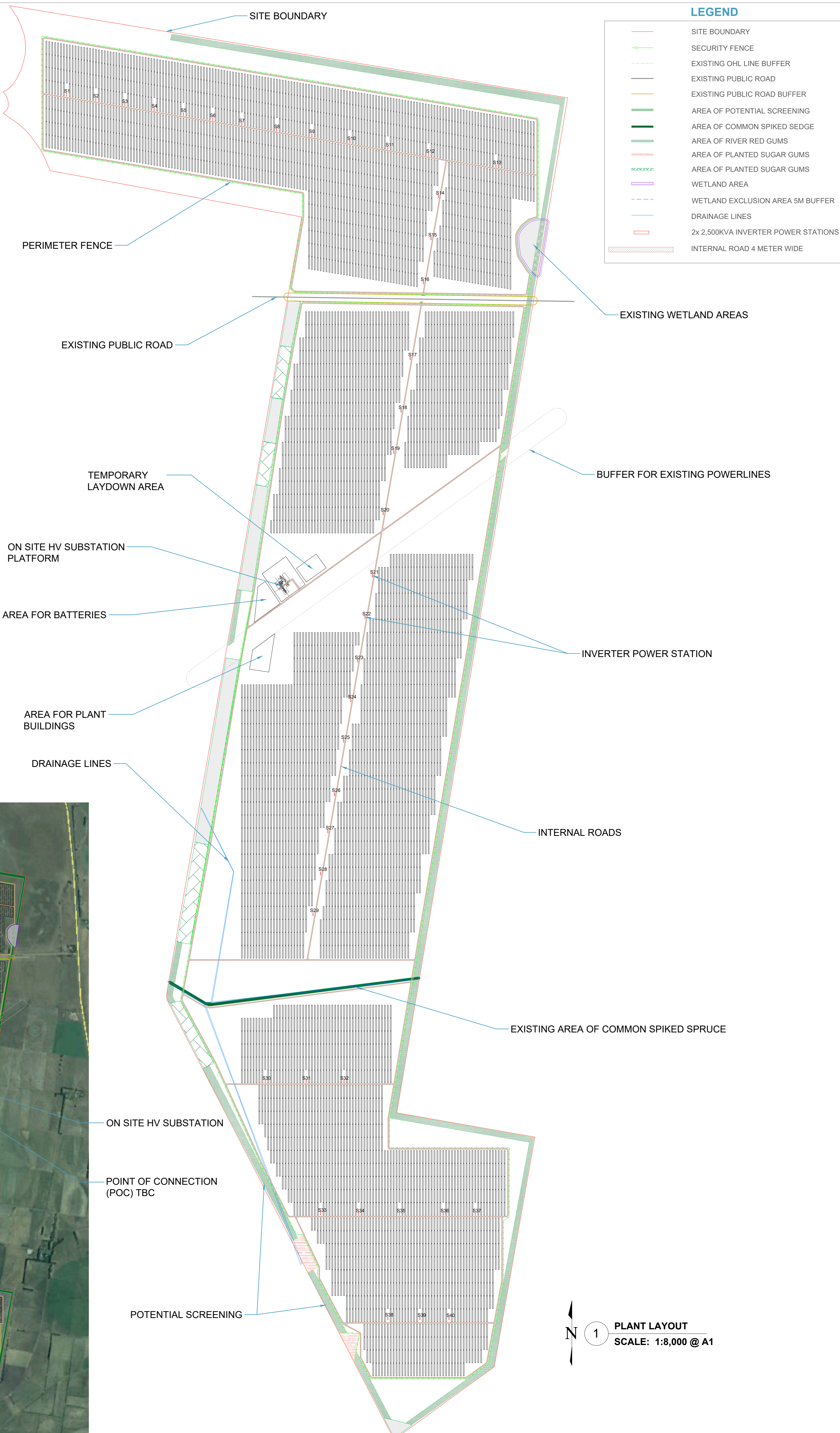
SUNPOWER SINGLE-AXIS TRACKER (OASIS 3.0)
SINGLE-ROW TRACKER (DECENTRALISED)
4 MODULES IN LANDSCAPE
4 STRINGS PER TRACKER

ELECTRICAL CONFIGURATION:

N° OF MODULES: 584,000
STRINGS OF 25 MODULES
N° OF STRINGS: 23,360
N° OF INVERTERS: 80
DC CAPACITY: 224,840.0 kWp
AC CAPACITY: 200,000.0kW (@25C) / 180,000.0kW (@50C)
AC/DC RATIO (@50C): 1.3

LEGEND

- SITE BOUNDARY
- SECURITY FENCE
- EXISTING OHL LINE BUFFER
- EXISTING PUBLIC ROAD
- EXISTING PUBLIC ROAD BUFFER
- AREA OF POTENTIAL SCREENING
- AREA OF COMMON SPIKED SEDGE
- AREA OF RIVER RED GUMS
- AREA OF PLANTED SUGAR GUMS
- WETLAND AREA
- WETLAND EXCLUSION AREA 5M BUFFER
- DRAINAGE LINES
- 2x 2,500KVA INVERTER POWER STATIONS
- INTERNAL ROAD 4 METER WIDE



SITE LOCATION
SCALE: 1:20,000 @ A1



PLANT LAYOUT
SCALE: 1:8,000 @ A1

REV	DATE	DESCRIPTION	DWN	CHKD
01	26/03/18	ISSUE FOR CAPACITY ESTIMATE	RF/PJ	JLG
02	08/05/18	ADD PUBLIC ROAD & SUBSTATION DETAIL	RF/PJ	MM

GENERAL PRELIMINARY LAYOUT

INFINERGY
VICTORIAN SITE - AUSTRALIA

PRELIMINARY NOT FOR CONSTRUCTION



SHEET G001

SCALE: 1:8,000 @ A1
ORIGINAL SIZE: ISO A1

LAT: 38°13'8" S
LONG: 143°08'7" E