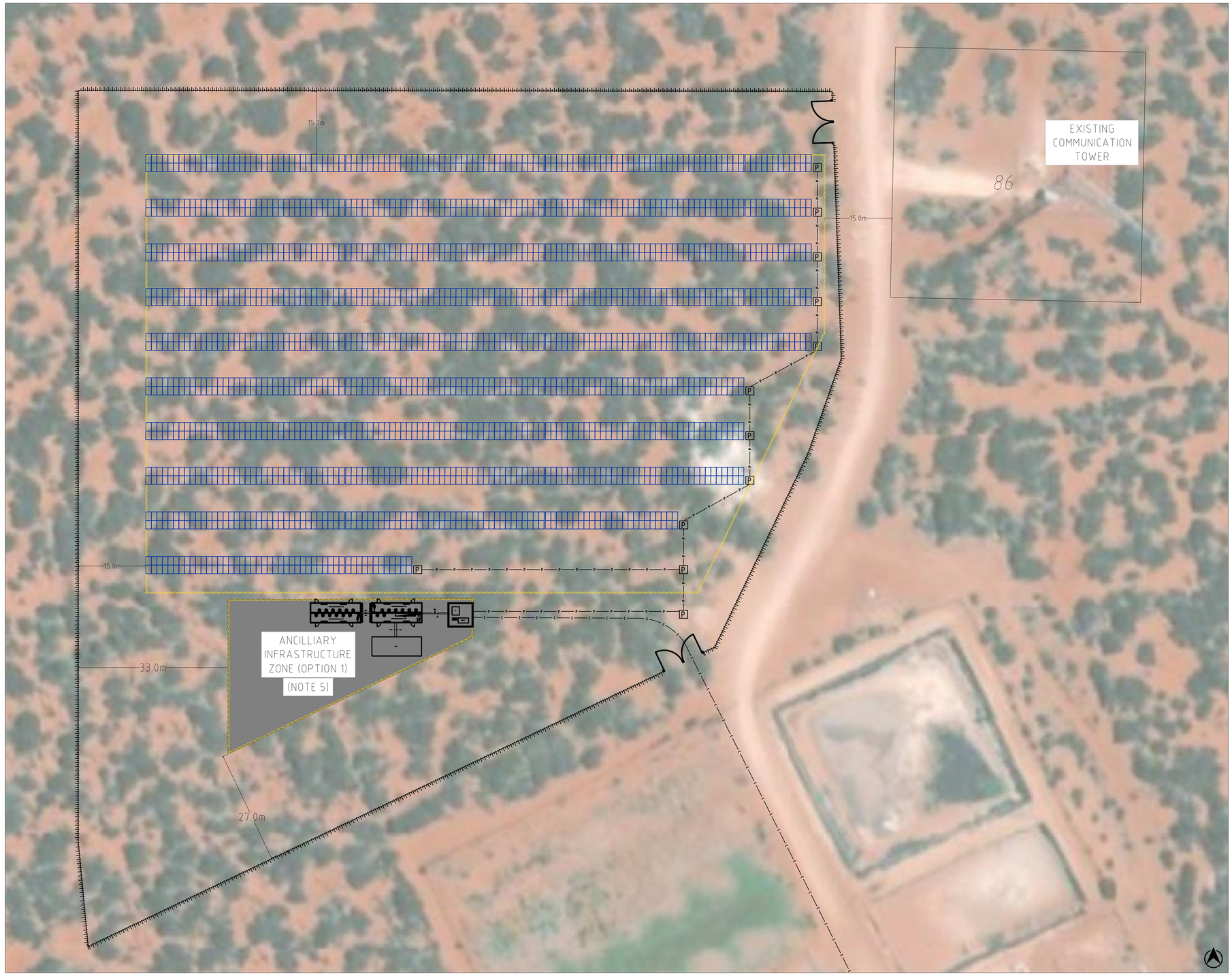

GENERAL ARRANGEMENT - SITE PLAN

SCALE 1:500

Stantec

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LEGEND

	FENCED BOUNDARY
	SOLAR PV MODULE
P	CABLE PIT (INDICATIVE)
—— P ——	INDICATIVE UNDERGROUND POWER CONDUIT ROUTE
—— C ——	INDICATIVE UNDERGROUND COMMUNICATION CONDUIT ROUTE
	INFRASTRUCTURE BOUNDARY LINE

NOTES

1. ONLY INDICATIVE LOCATION IS SHOWN. ACTUAL SITE LAYOUT SUBJECT TO FURTHER DESIGN DEVELOPMENT BY CONTRACTOR CONSIDERING STAKEHOLDER'S REQUIREMENT (DA/SHIRE, CLIENT AND CONSULTANT).
2. INFORMATION PROVIDED ON THE DRAWING IS BASED ON TRINA TSM-DEG20C.20 SOLAR PV MODULE CONFIGURATION.
3. THE CONTRACTOR SHALL PROVIDE NEW PITS, UNDERGROUND CONDUITS, AND CABLING SYSTEM FOR RETICULATION OF CABLES BETWEEN THE GROUND MOUNT ARRAY AND THE INVERTERS. DC CABLING BETWEEN INVERTER LOCATION AND ARRAY IS TO BE INSTALLED FULLY ENCLOSED AND SEGREGATED FROM OTHER CABLING.
4. CONTRACTOR SHALL CONDUCT RISK ANALYSIS AND PROVIDE A LIGHTNING PROTECTION SYSTEM AS PER AS1768 FOR THE GROUND MOUNT SOLAR PV SYSTEM.
5. REFER TO DRAWING MMDR-PV-002 FOR FURTHER DETAILS.
6. THE PLAN HAS BEEN SETUP USING GDA94 PROJECTION.
7. FIXED TILT ARRAY IN HARSH COASTAL ENVIRONMENT. CONTRACTOR TO DEMONSTRATE TO THE CLIENT'S SATISFACTION DUE CARE AND CONSIDERATION FOR THIS IN THEIR EQUIPMENT SELECTION AND DESIGN REPORTING. THE SYSTEM IS TO HAVE A 30 YEAR DESIGN LIFE. CONTRACTOR MAY BE REQUIRED TIO SUPPLY ANTI-CORROSION REPORTING FROM AN APPROPRIATELY QUIALIFIED METTALURGIST TO DEMONSTRATE THIS HAS BEEN CONSIDERED APPROPRIATELY.
8. THE INFRASTRUCTURE BOUNDARY LINE SHOWN IS ALSO THE OUTERMOST BOUNDARY FOR THE INSTALLATION. ASSETS MAY NOT BE LOCATED OUTSIDE THIS REGION WITHOUT CONSIDERATION FOR THE DEVELOPMENT APPROVAL IMPLICATIONS. NOTE THAT THE MINIMUM DISTANCE FOR THE BUSHFIRE SETBACK FROM THE BOUNDARY LINE IS AS SHOWN. ASSETS MAY NOT BE LOCATED WITHIN THIS CLEARANCE ZONE.
REFER TO THE ENERGY SPECIFICATION FOR FENCING CIVIL REQUIREMENTS (CUT & FILL, GROUND TREATMENT AND THE LIKE). THE CONTRACTOR IS REQUIRED TO CLEAR BUSH AND VEGETATION WITHIN THIS SITE BOUNDARY.
9. THE SITE IS APPROXIMATELY LOCATED WITHIN A HIGH-MODERATE TERMITE RISK ZONE. CONTRACTOR TO CONFIRM THE TERMITE RISK ZONE (BASED ON CSIRO DATA) AND ENSURE THAT ALL EQUIPMENT PROVIDED, IN PARTICULAR, CABLING SYSTEMS, IS PROVIDED WITH THE NECESSARY ANTI-TERMITE TREATMENTS TO ACHIEVE THE SPECIFIED SYSTEM DESIGN LIFE.

Revision	Rev	By	Appd	YYYY.MM.DD
ISSUED FOR 50% EPC TENDER	0	SB	KH	2023.10.22
File Name: MMDR-PV-001	TNS	TNS	MPRI	2023.10.19
	Drawn	Dsgn.	Chkd.	YYYY.MM.DD

Issue Status

DESIGN DEVELOPMENT

THIS DRAWINGS IS PRELIMINARY IN NATURE AND HAS NOT BEEN FULLY RESOLVED. THIS DESIGN IS TO BE COMPLETED BY THE APPOINTED CONTRACTOR. THE CONTRACTOR MUST ENSURE APPROPRIATE INVESTIGATIONS ARE CARRIED OUT DURING THE TENDERING PHASE TO SATISFY THE REQUIREMENTS OF THIS DESIGN AND CONSTRUCT CONTRACT. THE CONTRACTOR IS TO FAMILIARIZE WITH ALL AVAILABLE EXISTING SERVICES DOCUMENTATION, SITE PHOTOGRAPHY, AND 50% DESIGN DOCUMENTATION PROVIDED AS PART OF THE TENDER. IF ANY ADDITIONAL DOCUMENTATION IS REFERRED TO WITHIN THIS PACKAGE (E.G. DRAWING NUMBERS REFERENCED) THAT DOES NOT APPEAR TO BE PROVIDED, THE CONTRACTOR MUST NOTIFY THE CLIENT / SUPERINTENDENTS REPRESENTATIVE AND REQUEST A COPY OF THE MATERIAL. IF THE CONTRACTOR'S PROPOSAL IS BASED ON ANY ASSUMPTIONS WHICH COULD BE VALIDATED BY SITE TESTING THAT HAS NOT BEEN PROVIDED IN THE TENDER PACKAGE, THE CONTRACTOR MUST NOTIFY THE CLIENT / SUPERINTENDENT'S REPRESENTATIVE TO PROPOSE THAT THE INVESTIGATIVE WORKS TAKE PLACE.

Client
RAC TOURISM ASSETS PTY LTD

Project
MONKEY MIA DOLPHIN RESORT
STANDALONE POWER SYSTEM

Title
GENERAL ARRANGEMENT - SITE PLAN

Project No.:	Scale:
301250324	1:500
Revision:	Drawing No.
0	MMDR-PV-001

Plotted: ---- By: Pogela, Sujata
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