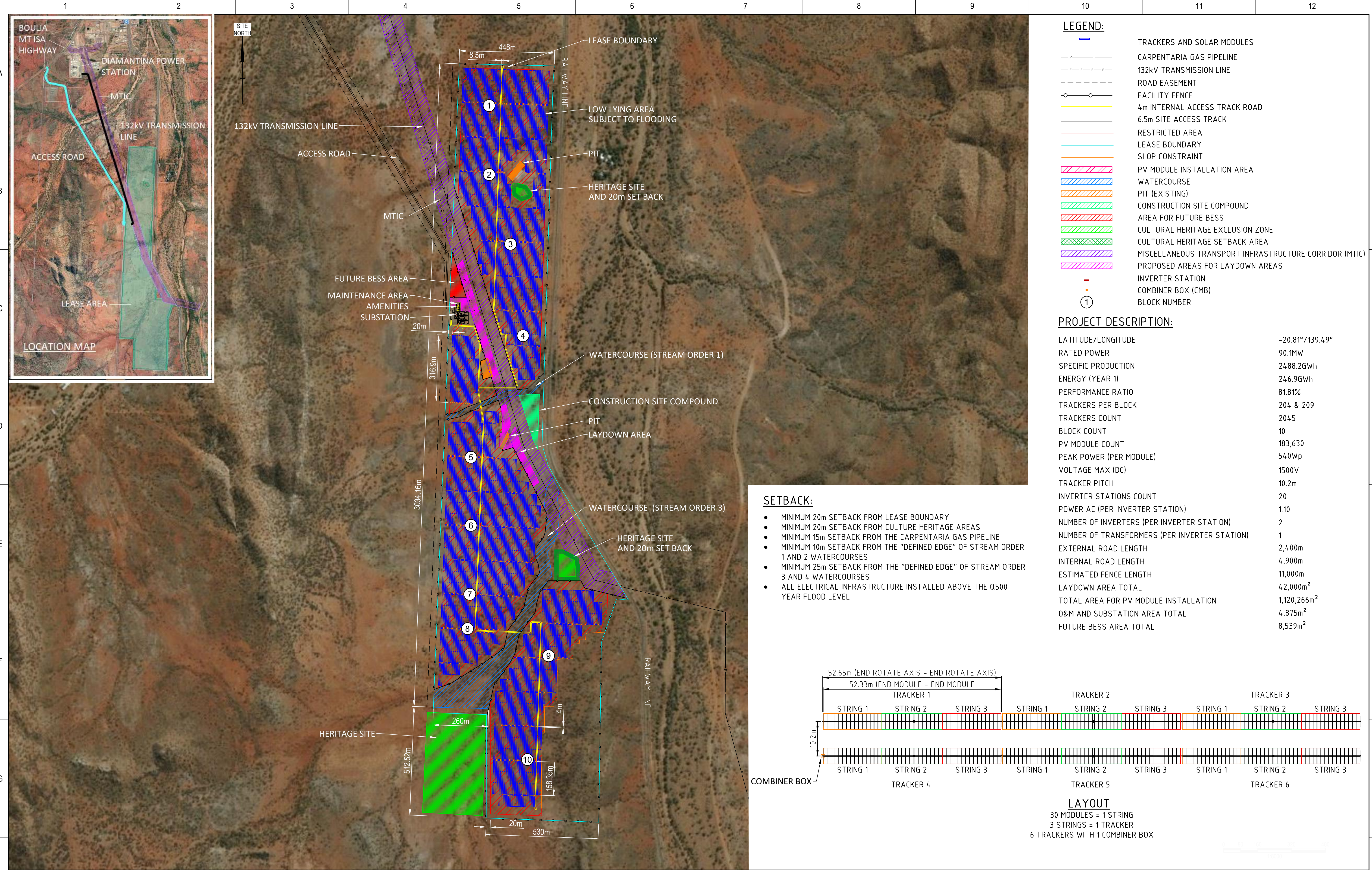




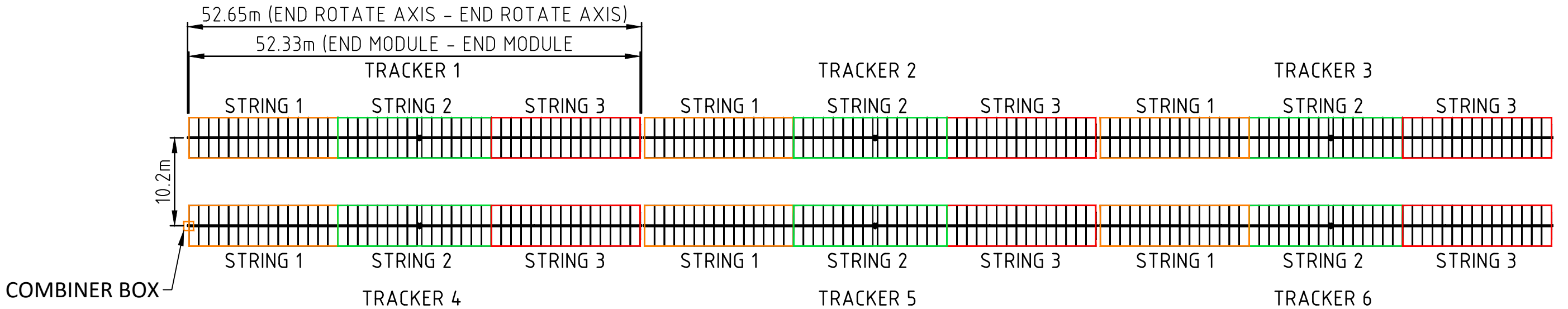
LEGEND:	
	TRACKERS AND SOLAR MODULES
	CARPENTARIA GAS PIPELINE
	132kV TRANSMISSION LINE
	ROAD EASEMENT
	FACILITY FENCE
	4m INTERNAL ACCESS TRACK ROAD
	6.5m SITE ACCESS TRACK
	RESTRICTED AREA
	LEASE BOUNDARY
	SLOP CONSTRAINT
	PV MODULE INSTALLATION AREA
	WATERCOURSE
	PIT (EXISTING)
	CONSTRUCTION SITE COMPOUND
	AREA FOR FUTURE BESS
	CULTURAL HERITAGE EXCLUSION ZONE
	CULTURAL HERITAGE SETBACK AREA
	MISCELLANEOUS TRANSPORT INFRASTRUCTURE CORRIDOR (MTIC)
	PROPOSED AREAS FOR LAYDOWN AREAS
	INVERTER STATION
	COMBINER BOX (CMB)
	BLOCK NUMBER

PROJECT DESCRIPTION:

LATITUDE/LONGITUDE	-20.81°/139.49°
RATED POWER	90.1MW
SPECIFIC PRODUCTION	2488.2GWh
ENERGY (YEAR 1)	246.9GWh
PERFORMANCE RATIO	81.81%
TRACKERS PER BLOCK	204 & 209
TRACKERS COUNT	2045
BLOCK COUNT	10
PV MODULE COUNT	183,630
PEAK POWER (PER MODULE)	540Wp
VOLTAGE MAX (DC)	1500V
TRACKER PITCH	10.2m
INVERTER STATIONS COUNT	20
POWER AC (PER INVERTER STATION)	1.10
NUMBER OF INVERTERS (PER INVERTER STATION)	2
NUMBER OF TRANSFORMERS (PER INVERTER STATION)	1
EXTERNAL ROAD LENGTH	2,400m
INTERNAL ROAD LENGTH	4,900m
ESTIMATED FENCE LENGTH	11,000m
LAYDOWN AREA TOTAL	42,000m ²
TOTAL AREA FOR PV MODULE INSTALLATION	1,120,266m ²
O&M AND SUBSTATION AREA TOTAL	4,875m ²
FUTURE BESS AREA TOTAL	8,539m ²

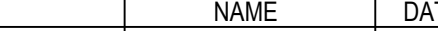
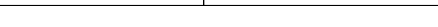
SETBACK:

- MINIMUM 20m SETBACK FROM LEASE BOUNDARY
- MINIMUM 20m SETBACK FROM CULTURE HERITAGE AREAS
- MINIMUM 15m SETBACK FROM THE CARPENTARIA GAS PIPELINE
- MINIMUM 10m SETBACK FROM THE "DEFINED EDGE" OF STREAM ORDER 1 AND 2 WATERCOURSES
- MINIMUM 25m SETBACK FROM THE "DEFINED EDGE" OF STREAM ORDER 3 AND 4 WATERCOURSES
- ALL ELECTRICAL INFRASTRUCTURE INSTALLED ABOVE THE Q500 YEAR FLOOD LEVEL.



LAYOUT

30 MODULES = 1 STRING
3 STRINGS = 1 TRACKER
6 TRACKERS WITH 1 COMBINER BOX

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PRELIMINARY

NAME	ADAM FERRARO	DATE	28.06.2021
DRAWN	DAVID GIANELLY	DATE	28.06.2021
DESIGNED			
VALIDATED			
ACCEPTED			
SCALE			
APA ID	TC-15912-DP1-GA		
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MICA CREEK SOLAR FARM			
ELECTRICAL SITE LAYOUT PLAN			
PROJECT No	1755	DRG No	TC-15912-DP1-GA
REV	F		