LEGEND:

- MVPS (MEDIUM VOLTAGE POWER STATION)
- MVPS CLEARANCE ZONE
- 2 STRING SOLAR TRACKER
- 3 STRING SOLAR TRACKER
- 4 STRING SOLAR TRACKER
- MVPS AREA BOUNDARY
- DEVELOPMENT FOOTPRINT
- SETBACK
- CADASTRAL BOUNDARY
- SUBDIVISION BOUNDARY
- OH TRANSMISSION LINE
- EXISTING POWER LINE
- ACCESS ROAD
- SECURITY FENCE
- EXISTING WATERCOURSE
- RIPARIAN OFFSET 10m
- RIPARIAN OFFSET 20m
- EXISTING FENCE
- DAM
- EXISTING VEGETATION
- BUSHFIRE OFFSET ZONE
- FLOOD EXTEND 5 AEP
- FLOOD EXTEND 1 AEP
- OVERHEAD POWER LINE EASEMENT

PLANT SPECIFICATIONS	
ITEM	Total
INSTALLED MODULE CAPACITY (STC)	112.97 MW
INSTALLED INVERTER CAPACITY (50°C)	99.00 MW
SITE AC CAPACITY AT POC	90 MW
INVERTER DC/AC RATIO	1.14
GRID DC/AC RATIO	0.75
No. PCU	25
No. INVERTERS	25
No. 2–STRING TRACKERS	233
No. 3–STRING TRACKERS	383
No. 4–STRING TRACKERS	1,250
TOTAL STRINGS	6,615
TOTAL DC COMBINER BOXES	376
JAM72D422–620/LB Module	88,344
JAM72D422–625/LB Module	90,261
TOTAL MODULES	178,605

LAYOUT AND EQUIPMENT SUMMARY	
MODULES	JAM72D422–630/LB JAM72D422–635/LB
MODULE DIMENSIONS	2465 x 1134 x 35 mm
INVERTERS	SMA SC 4400 UP
TRACKERS	Nextracker Horizon
TILT	±60°
TRACKER PITCH	7.0 m
108 MODULE TRACKER LENGTH	129.000 m
81 MODULE TRACKER LENGTH	97.280 m
54 MODULE TRACKER LENGTH	65.570 m
TRACKER AZIMUTH	2.6°
MODULES PER STRING	27

DRAWING FILE LOCATION / NAME V:_Vault\Projects\30013\30013551\110_CADD\CAD\DWG\04_Elec_PV\FGSF-SME-ELE-DWG-0010.dwg

150 mm ON ORIGINAL

A1

EXTERNAL REFERENCE FILES

X_SMEC_SF_A1
X_EL_MASTER
X_EL_SOLAR_PANELS
X_EL_COLL
X_EL_SUB
X_SURV
X_EL_ROAD
X_EL_TRENCH_MV
X_STR_FENCE
X_CIV_DES_ROAD_INTERNAL
X_EL_TRENCH_DC
X_EL_TRENCH_EARTHING
X_EL_CB
X_EL_FILL
X_EL_EQUIPMENT
X_CIV_FLOOD EXTENTS
X_EL_BESS
X_CIV_DTAIL_FAC_LAYDOWN
X_EL_BESS_MV_TRENCH
X_EL_BESS_DC_TRENCH
X_CIV_O&M
X_CIV_DES_DES_RD
X_CIV_DES_TANKS
X_STR_BESS_FENCE
X_EL_LEGEND_SITE

REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL
A	23.04.24	30% DETAILED DESIGN	002	JG
B	07.03.25	80% DETAILED DESIGN	204	JK

TITLE	NAME
DRAFTER	J.ZHAN
DRAFTING CHECK	R.CHIRUTA
DESIGNER	A.RAMSHAW
DESIGN CHECK	N.RUDLAND
PROJECT MANAGER	J.KNIEST
PROJECT DIRECTOR	R.HAMILTON

SCALE AT A1 SIZE DRAWING

50 0 100 200 300

SCALE 1:7500

NORTH

STATUS

NOT FOR CONSTRUCTION

smec an SNC company

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CLIENT

X-ELIO

santé

PROJECT TITLE

FOREST GLEN SOLAR FARM

DRAWING TITLE

SOLAR FIELD
OVERALL LAYOUT PLAN

PROJECT / DRAWING No.

FGSF-SME-ELE-DWG-0010

REVISION

B