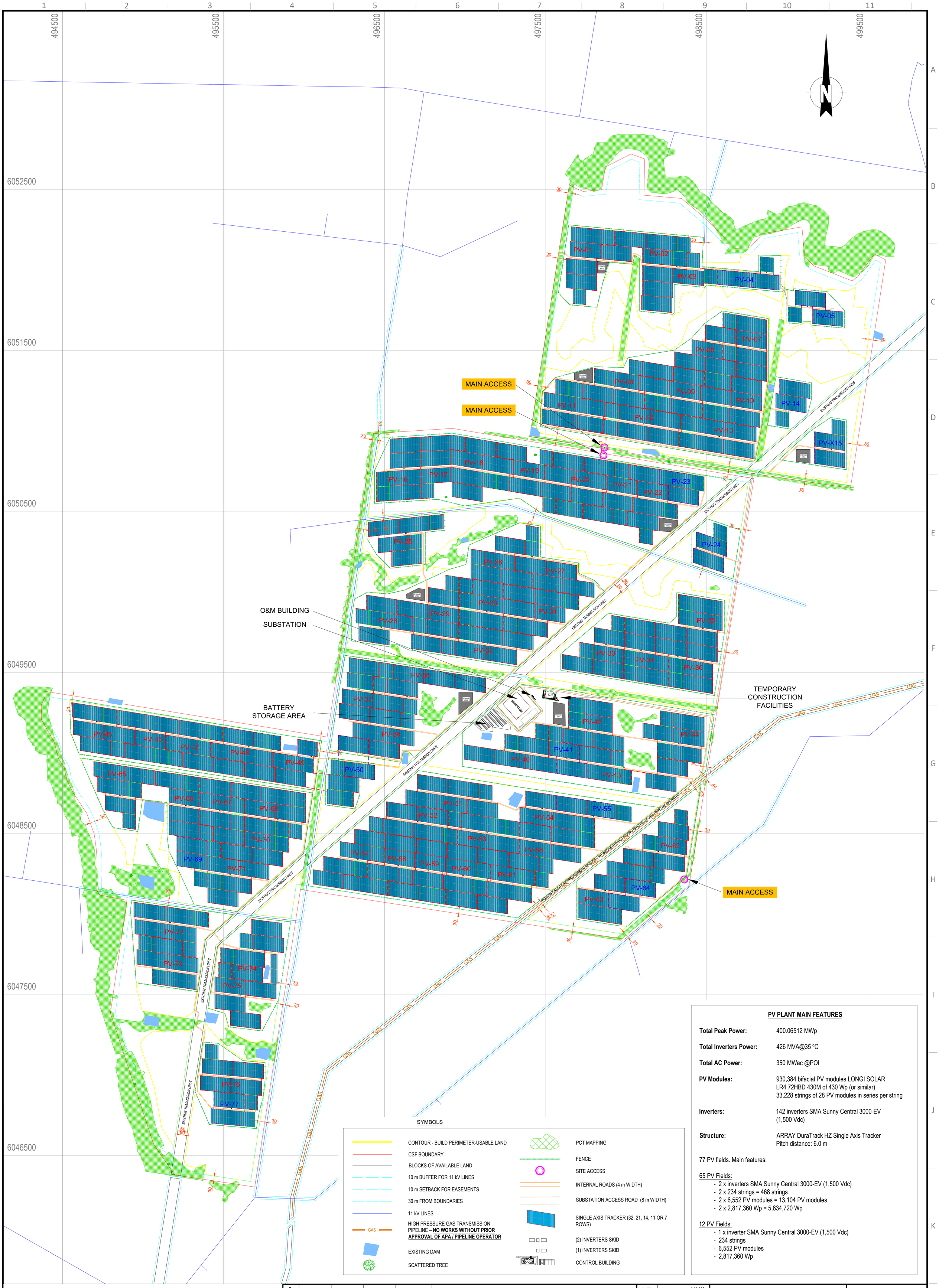

SYMBOLS

- CONTOUR - BUILD PERIMETER-USABLE LAND
- CSF BOUNDARY
- BLOCKS OF AVAILABLE LAND
- 10 m BUFFER FOR 11 kV LINES
- 10 m SETBACK FOR EASEMENTS
- 30 m FROM BOUNDARIES
- 11 kV LINES
- GAS — HIGH PRESSURE GAS TRANSMISSION PIPELINE – **NO WORKS WITHOUT PRIOR APPROVAL OF APA / PIPELINE OPERATOR**
- EXISTING DAM
- SCATTERED TREE
- PCT MAPPING
- FENCE
- SITE ACCESS
- INTERNAL ROADS (4 m WIDTH)
- SUBSTATION ACCESS ROAD (8 m WIDTH)
- SINGLE AXIS TRACKER (32, 21, 14, 11 OR 7 ROWS)
- (2) INVERTERS SKID
- (1) INVERTERS SKID
- CONTROL BUILDING

PV PLANT MAIN FEATURES

Total Peak Power:	400.06512 MWp
Total Inverters Power:	426 MVA@35 ºC
Total AC Power:	350 MWac @POI
PV Modules:	930,384 bifacial PV modules LONGI SOLAR LR4 72HBD 430M of 430 Wp (or similar) 33,228 strings of 28 PV modules in series per string
Inverters:	142 inverters SMA Sunny Central 3000-EV (1,500 Vdc)
Structure:	ARRAY DuraTrack HZ Single Axis Tracker Pitch distance: 6.0 m

77 PV fields. Main features:

65 PV Fields:
- 2 x inverters SMA Sunny Central 3000-EV (1,500 Vdc)
- 2 x 234 strings = 468 strings
- 2 x 6,552 PV modules = 13,104 PV modules
- 2 x 2,817,360 Wp = 5,634,720 Wp

12 PV Fields:
- 1 x inverter SMA Sunny Central 3000-EV (1,500 Vdc)
- 234 strings
- 6,552 PV modules
- 2,817,360 Wp

UTM coordintates, WGS84 System, Zone 55H

INDEX	DATE	EXECUTED	AUDITED	VALIDATED	MODIFICATIONS
D					
C					
B	JAN/19	ARA	PJL	EPL	PV MODULE CHANGE TO 430 Wp. 11 kV LINES EASEMENTS 20 m, GAS TRANSMISSION PIPELINE EASEMENT
A	SEP/19	ARA	PJL	EPL	ADDITIONAL AREAS ADDED. AC POWER: 350 MWac; BATTERY STORAGE AREA. OTHER MINOR CHANGES

DATE | SCALE 1:10,000
APR/19 | EXECUTED | ARA
APR/19 | AUDITED | PJL
APR/19 | VALIDATED | EPL
ORIGINAL SIZE A1

NEOEN BOUNDLESS ENERGY — Iberica Solar PV photovoltaic engineering

ENGINEERING

350 MWac
CULCAIRN (AUSTRALIA)

LAYOUT

Project:
Document:
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