

LEGEND

SITE BOUNDARY

PROPOSED INTERNAL TRACK (4m WIDTH)

VEGETATION AND FIRE BREAK OFFSET

INTERNAL FENCE

LAYDOWN AREA

SUBSTATION, O&M, CONTROL BUILDING AND/OR BESS

SMA MVPS-2660-S2-11 WITH 5X SMA DC-DC AND 15X BESS RACK

PROPOSED POLE TO CONNECT (TBC)

PROPOSED SITE ACCESS

O/H POWER LINE (LOCATION BASED ON ESTIMATION)

OUTDOOR RMU

SYSTEM SPECIFICATIONS			
MODULE		QTY	UNIT
SMA MVPS-2660		2	EA
RISEN RSM132-8-700 BHDG		10304	EA
DC CAPACITY		7.2128	MWp
AC CAPACITY @ 25 DEGREE CELSIUS		4.998	MVA
GRID / INVERTER DC/AC RATIO		1.443	
STRING SIZE		28	MODULE
STRING QUANTITY		368	STRINGS
56 PANEL TRACKER ROW		184	ROWS
84 PANEL TRACKER ROW		0	ROWS
FENCE PERIMETER		2073	METERS
INTERNAL TRACKS		1568	METERS
VEGETATION BUFFER		5	METERS
FENCED AREA		20.2	HA

NOTE:

1.

DESIGN FOR PRELIMINARY ASSESSMENT ONLY, EXACT LOCATION OF PEGS AND EASEMENTS TBC, SOUTH FIELD MAY BE UTILIZED AS SUCH

2.

BESS (IF APPLICABLE): INVERTER 1: 5 X SMA DC/DC, INVERTER 2: 5 X SMA DC/DC, EACH DC/DC MAX CONTINUOUS POWER OF 600KW. TOTAL BATTERY QUANTITY: 30 RACKS OF SYL-SU340U85K 10.2144KWH.

3.

DRAWING IS FOR CONCEPT PURPOSE ONLY

4.

BESS, MVPS, O&M, LAYDOWN AREA AND SUBSTATION LOCATION TBC

5.

CUT AND FILL MODEL TBC ACCORDING TO SITE SURVEY DATA

6.

EXACT LOCATION OF CREEKS, BOUNDARIES, EASEMENTS TO BE DETERMINED WITH SURVEY DATA

7.

ALL INTERNAL ACCESS TRACKS 4M WIDE AND ARE SUBJECTED TO CHANGES

8.

1P SINGLE AXIS TRACKING SYSTEM WITH 7M TRACKER PITCH

9.

5M BUFFER AROUND SITE BOUNDARY TO ACCOMMODATE FIRE BREAK, VEGETATION BUFFER AND PORTIONS OF THE INTERNAL TRACKS

10.

CURRENT FOOTPRINT SUBJECT TO CHANGES DEPENDING ON GROUND CONDITIONS

11.

HISTORIC MINIMUM TEMPERATURE -4.6 DEG C

12.

10M EASEMENT ALONG 33KV LINE

DATE OF ISSUE

09/05/24

PURPOSE OF ISSUE

CONCEPT

NOT FOR CONSTRUCTION

SCALE

0

50

100

METERS

REV

DATE

REVISION DESCRIPTION

DRAFTER

D.L.

1.1

12/01/22

WETLANDS UPDATED

DRAFTING CHECK

1.7

20/06/23

ENTRANCE ROUTE (NORTH)

DESIGNER

D.L.

1.8

07/08/23

UPDATED 700W PANELS

DESIGN CHECK

1.9

18/10/23

OFFSET CHANGED

PROJECT MANAGER

2.0

12/12/23

ENTRANCE OPTIONS UPDATED

PROJECT DIRECTOR

DESIGN

CLIENT

RISEN ENERGY AUSTRALIA

10738 KIDMAN WAY

HILLSTON NSW

TITLE

HILLSTON NSW SITE LAYOUT

DRAWING NUMBER

HIL-PRELIM-DWG-002-1

PAGE

1/2

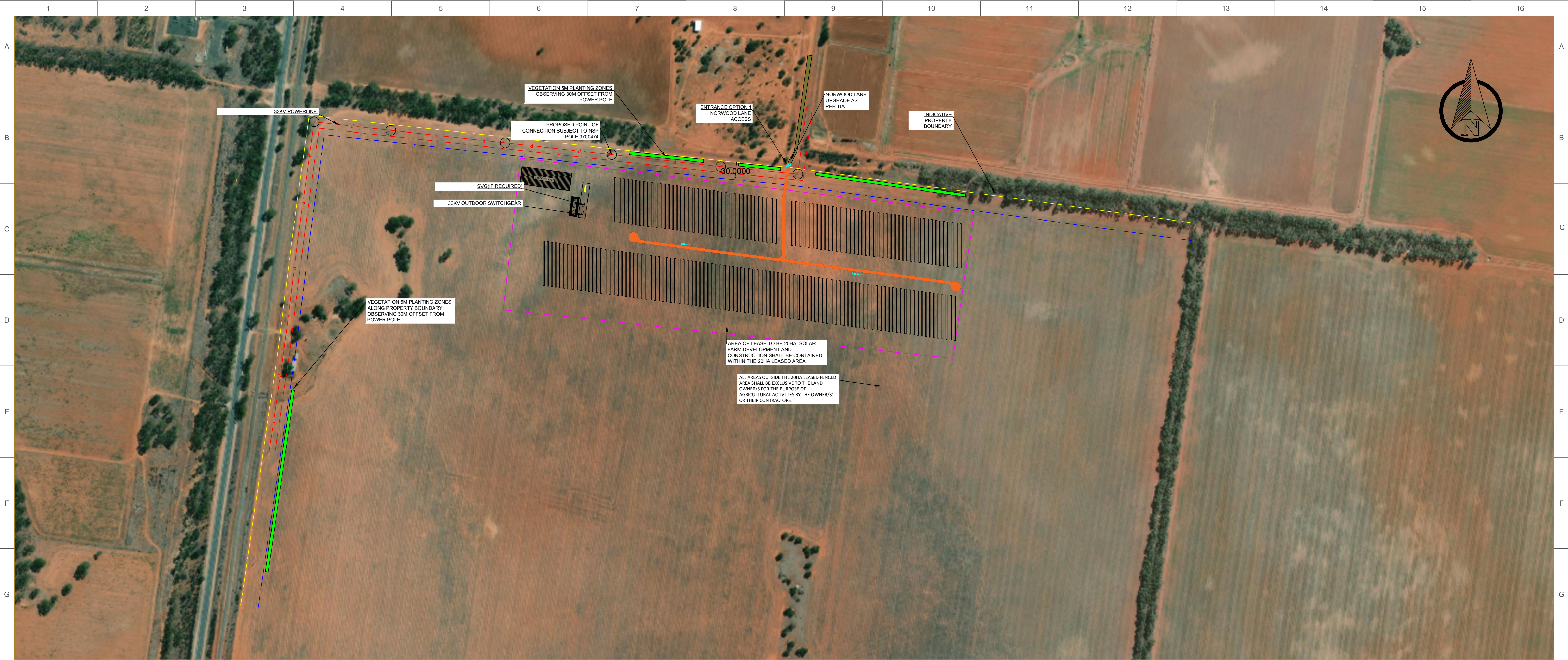
REV

1

A1 841 x 594

CAD





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