

NOTES

- DRAWING IS PRODUCED FOR CONCEPTUAL DESIGN STAGE
- SUBSTATIONS LAYOUT IS BASED ON PRELIMINARY REQUIREMENT AND SUBJECT TO CHANGE AT NEXT DESIGN STAGE

ISSUE/REVISION

NO	DATE	DESCRIPTION
RO	12/05/2022	FIRST ISSUE
HR		

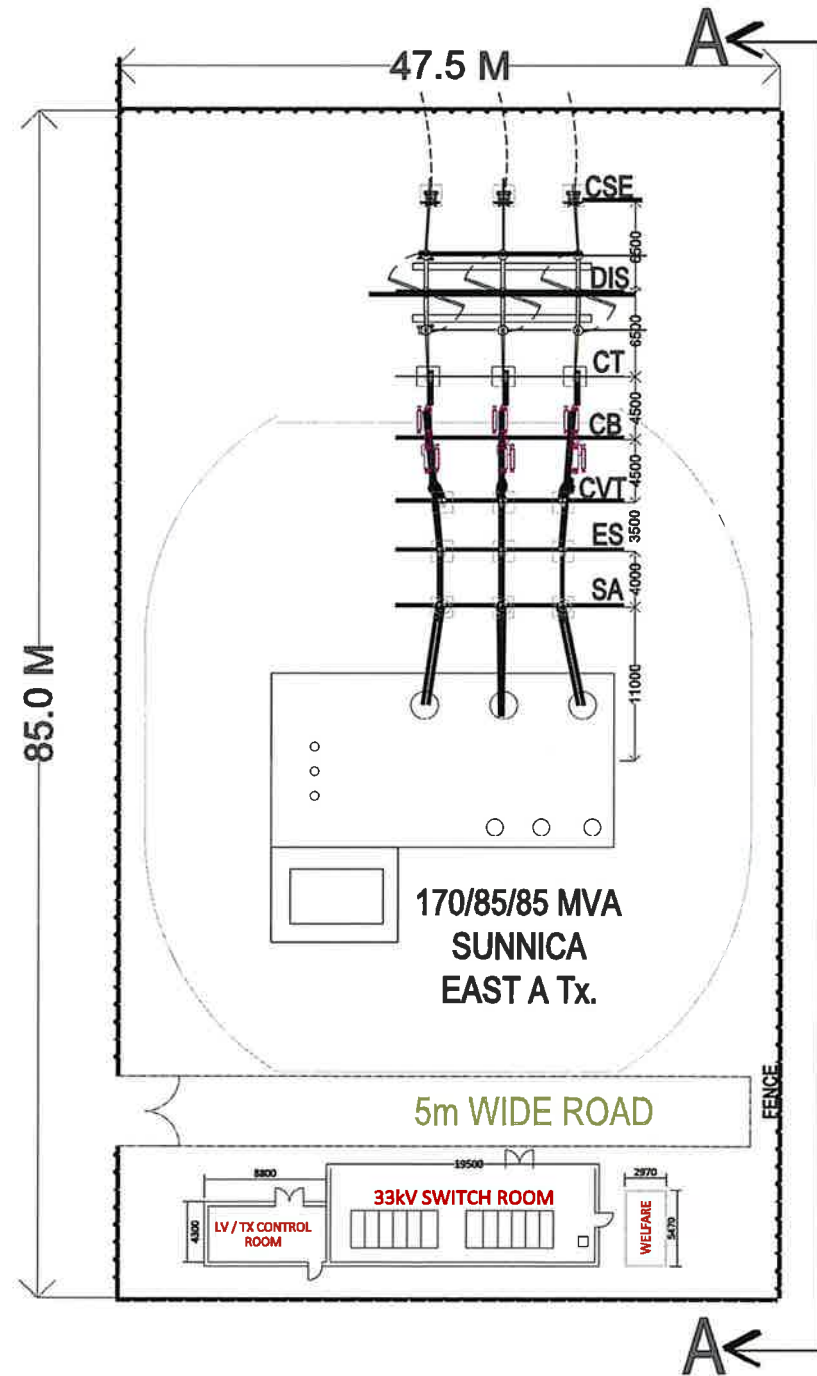
STATUS

FOR DISCUSSION

PROJECT NUMBER SCALE
60589004 NTS @ A1

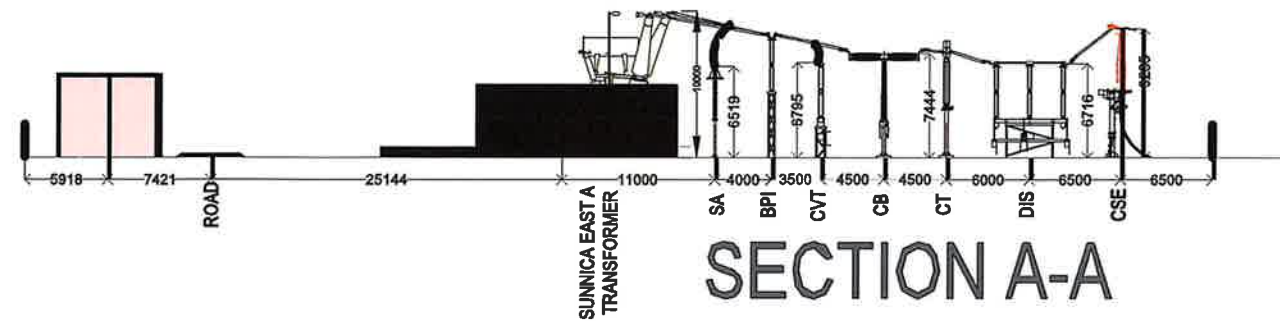
SHEET TITLE
SUNNICA EAST A SUBSTATION LAYOUT PLAN & ELEVATION
400/33/13.8 kV

SHEET NUMBER REV
60589004-ACM-XX-LAY-EL-1004 R0



SUBSTATION MINIMUM ELECTRICAL CLEARANCES IN ACCORDANCE WITH TS 2.1

NOMINAL SYSTEM VOLTAGE (ms)	400kV
PHASE TO EARTH CLEARANCE (PE)	2.8m
PHASE TO PHASE CLEARANCE (PP)	3.6m
HORIZONTAL DESIGN CLEARANCE FOR SAFETY (HSC)	4.6m
VERTICAL DESIGN CLEARANCE FOR SAFETY (VSC)	5.5m
INSULATION HEIGHT CLEARANCE (IHC)	2.4m
SAFETY DISTANCE (SD)	3.1m



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Project Management Initials : Designer : SA Checked : GC Approved : GC