

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
R0	12/05/2022	FIRST ISSUE
I/R		

**FOR INFORMATION ONLY**

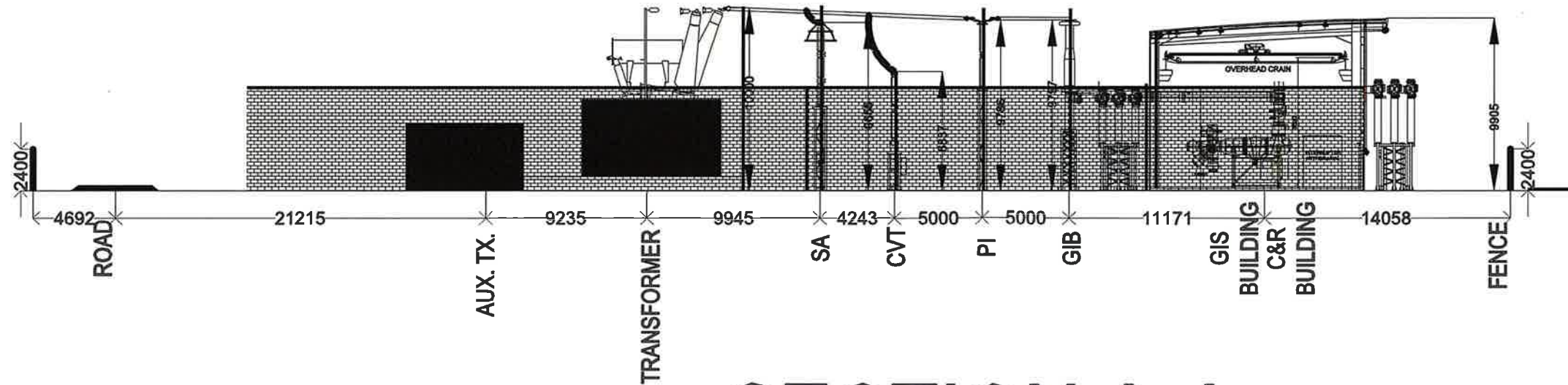
STATUS

**FOR DISCUSSION**

PROJECT NUMBER: 605890004 SCALE: NTS @ A1

SHEET TITLE: SUNNICA WEST SUBSTATION COMPOUI ELEVATION 400/33 kV

SHEET NUMBER: 60589004-ACM-XX-LAY-EL-1001 REV: R0



# SECTION A-A

SUBSTATION MINIMUM ELECTRICAL CLEARANCES IN ACCORDANCE WITH TS 2.1

NOMINAL SYSTEM VOLTAGE (rms)	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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 Filename: C:\USERS\LONAREK\Documents\AECOM\PROJECT\SUNNICA\WORKING\LAYOUT\FOR\INTERNAL\_ISSUES\SUNNICA WEST\SUNNICA WEST\_DRAWINGS.DWG  
 Project Management Initials: Designer: SA Checked: GC Approved: GC