

## Appendix J      ES Figures

### **J.5      Figure 3-29: Sunnica East Site A Substation Elevation and General Arrangement – 400 kV solution (illustrative)**

LEGEND

NOTE:  
Document Reference: EN010106/APP/6.3  
AFPP Regulation: 5(2)(a)

Purpose of Issue  
FOR DCO SUBMISSION

Client  
SUNNICA LTD

Project Title  


Drawing Title  
FIGURE 3-29  
SUNNICA EAST SITE A  
SUBSTATION ELEVATION  
AND GENERAL ARRANGEMENT –  
400KV SOLUT ION (ILLUSTRATIVE)

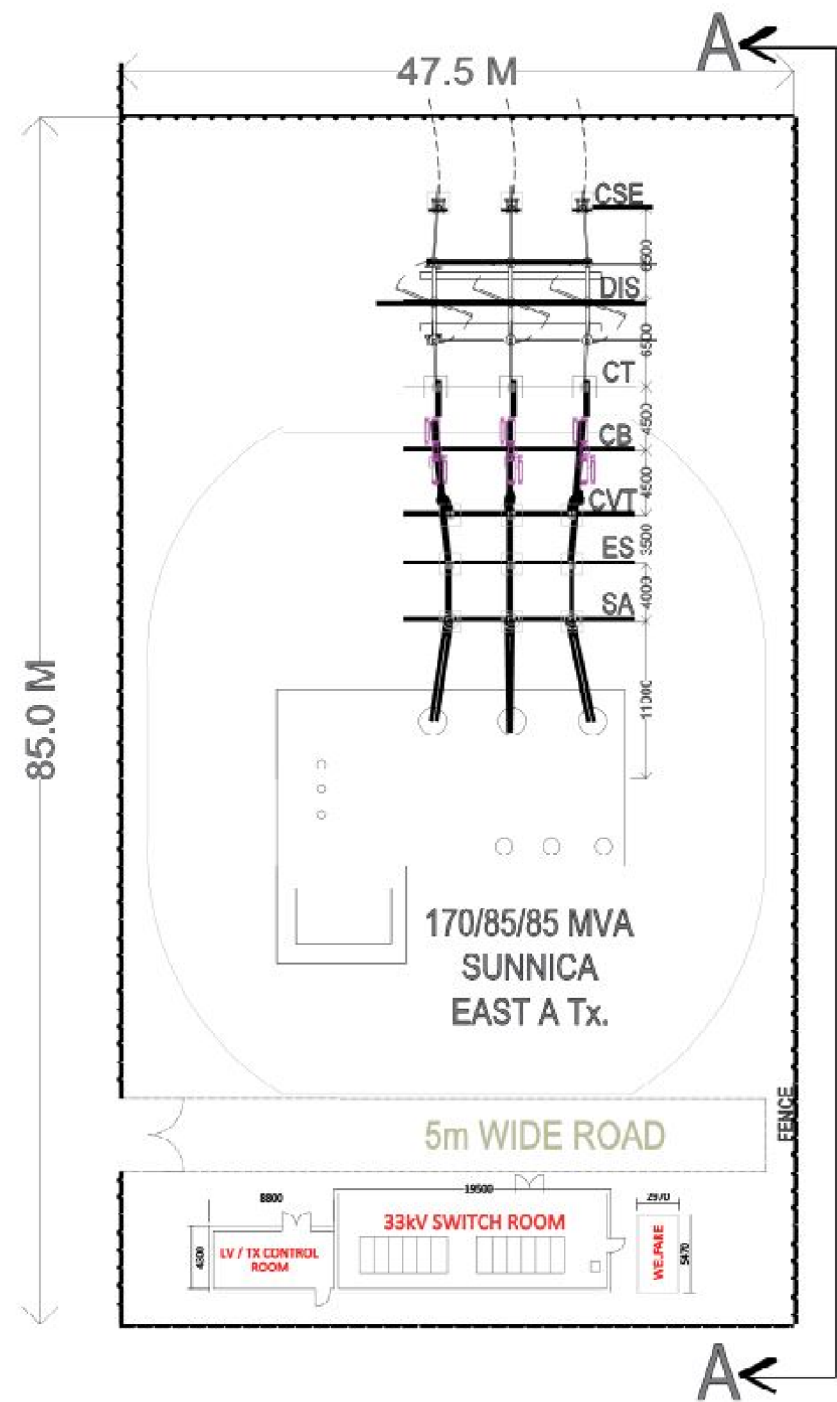
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AECOM Unit 1 Wellbrook Court, Girton, Cambridge, CB3 0NA United Kingdom Telephone (01223) 486000 www.aecom.com	
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SUBSTATION MINIMUM ELECTRICAL CLEARANCES IN ACCORDANCE WITH TS 2.1

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

