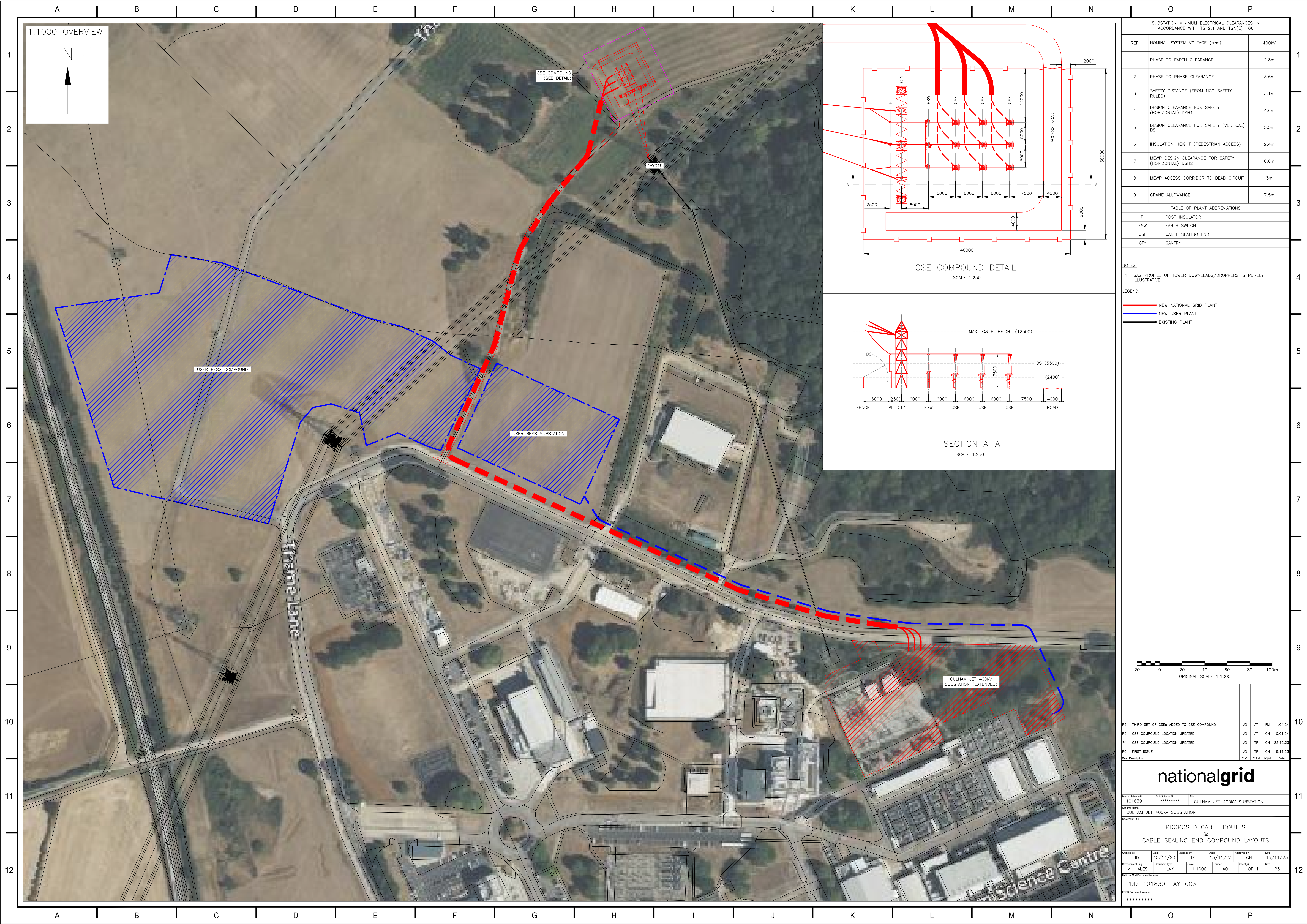




1:1000 OVERVIEW

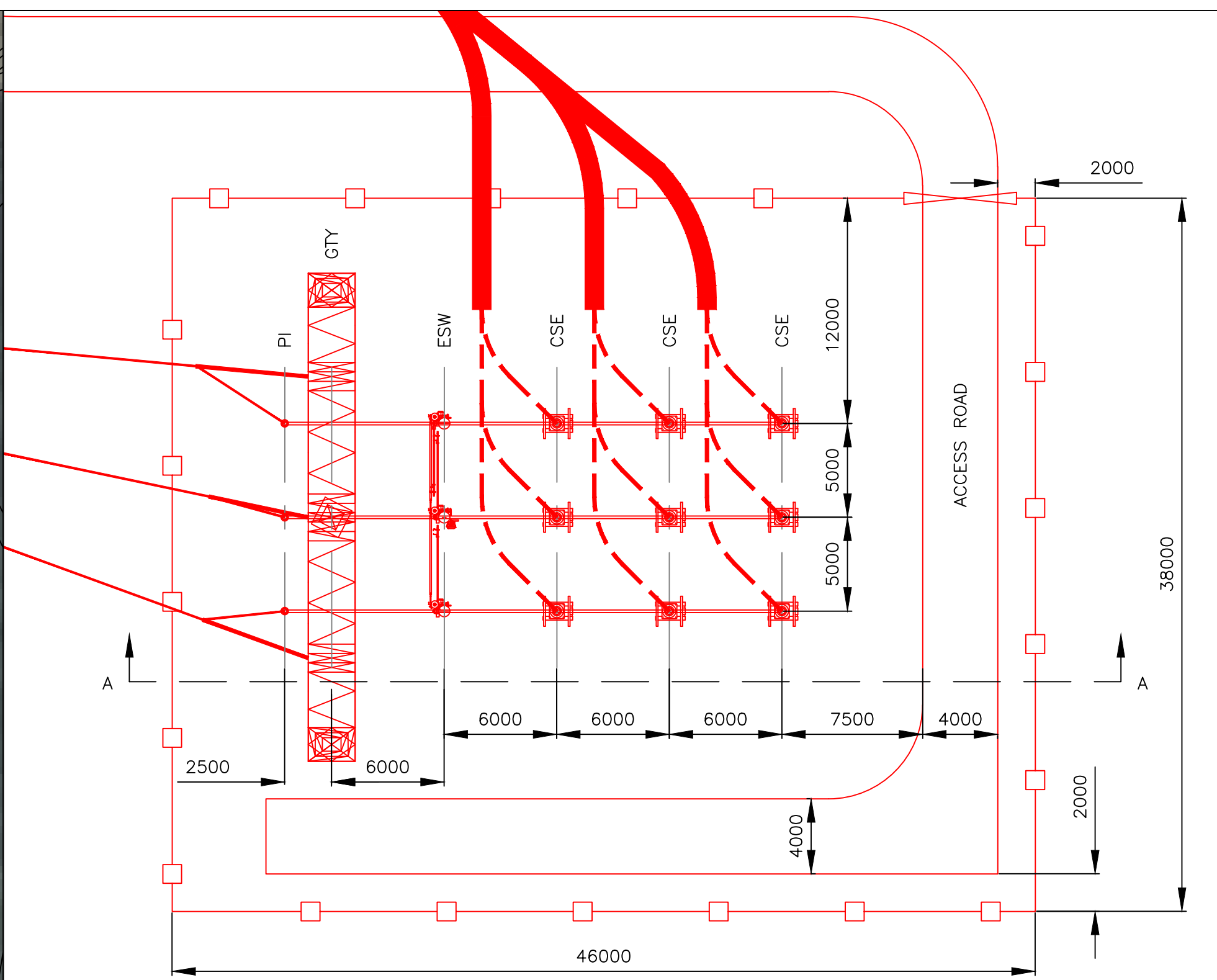
N

CSE COMPOUND
(SEE DETAIL)

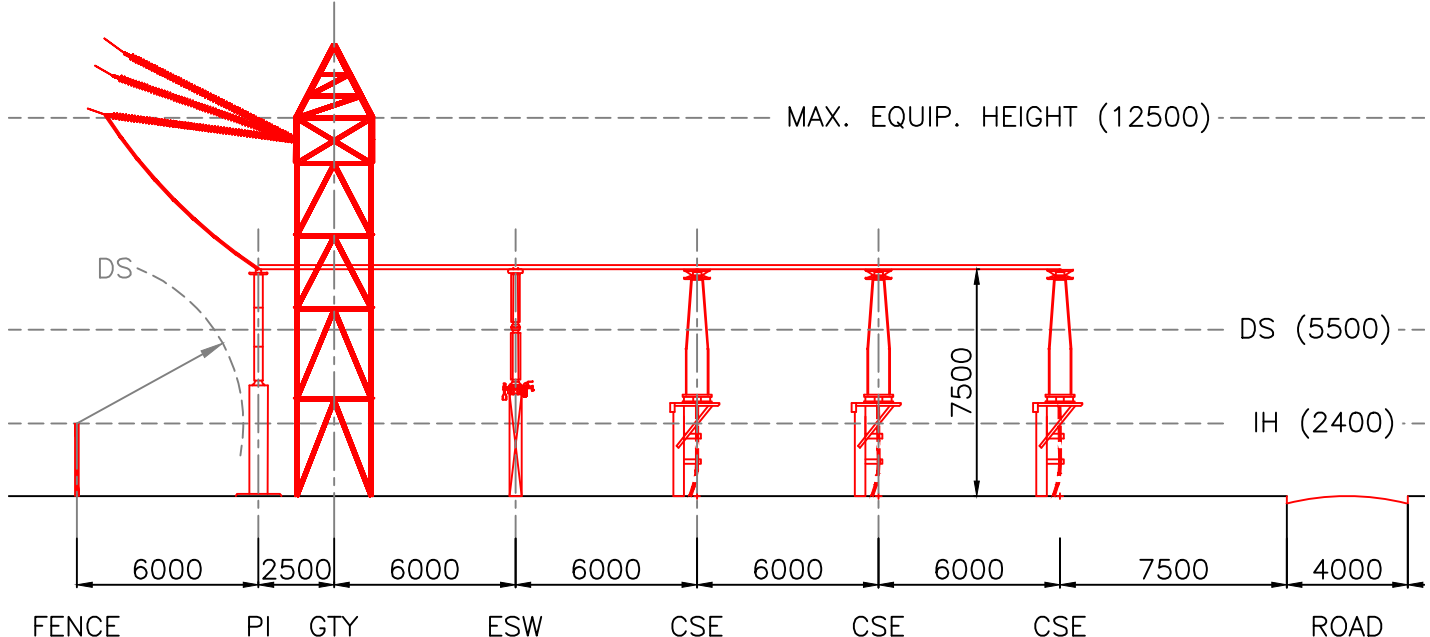
USER BESS COMPOUND

USER BESS SUBSTATION

CULHAM JET 400KV
SUBSTATION (EXTENDED)



CSE COMPOUND DETAIL
SCALE 1:250



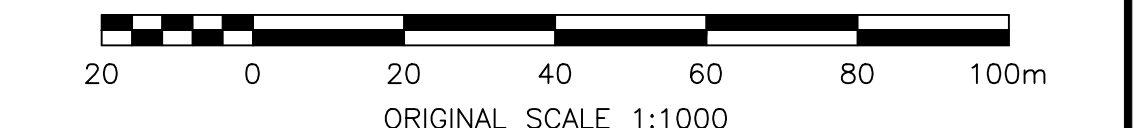
SECTION A-A
SCALE 1:250

SUBSTATION MINIMUM ELECTRICAL CLEARANCES IN ACCORDANCE WITH TS 2.1 AND TGN(E) 186		
REF	NOMINAL SYSTEM VOLTAGE (rms)	400kV
1	PHASE TO EARTH CLEARANCE	2.8m
2	PHASE TO PHASE CLEARANCE	3.6m
3	SAFETY DISTANCE (FROM NGC SAFETY RULES)	3.1m
4	DESIGN CLEARANCE FOR SAFETY (HORIZONTAL) DSH1	4.6m
5	DESIGN CLEARANCE FOR SAFETY (VERTICAL) DS1	5.5m
6	INSULATION HEIGHT (PEDESTRIAN ACCESS)	2.4m
7	MEWP DESIGN CLEARANCE FOR SAFETY (HORIZONTAL) DSH2	6.6m
8	MEWP ACCESS CORRIDOR TO DEAD CIRCUIT	3m
9	CRANE ALLOWANCE	7.5m

TABLE OF PLANT ABBREVIATIONS	
PI	POST INSULATOR
ESW	EARTH SWITCH
CSE	CABLE SEALING END
GTY	GANTRY

NOTES:
1. SAG PROFILE OF TOWER DOWNLEADS/DROPPERS IS PURELY ILLUSTRATIVE.

LEGEND:
— NEW NATIONAL GRID PLANT
— NEW USER PLANT
— EXISTING PLANT



P3	THIRD SET OF CSEs ADDED TO CSE COMPOUND	JD	AT	FM	11.04.24
P2	CSE COMPOUND LOCATION UPDATED	JD	AT	CN	10.01.24
P1	CSE COMPOUND LOCATION UPDATED	JD	TF	CN	22.12.23
PD	FIRST ISSUE	JD	TF	CN	15.11.23
Rev	Description	Drawn	Checked	Approved	Date

nationalgrid

Master Scheme No: 101839 Sub-Scheme No: ***** Site: CULHAM JET 400KV SUBSTATION

Document Title: PROPOSED CABLE ROUTES & CABLE SEALING END COMPOUND LAYOUTS

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