OVERVIEW
1:1000

NORTH

NEW CSE COMPOUND
SEE SHEET 3 FOR DETAILS

TEMPORARY CONTRACTORS COMPOUND AREA DURING CONSTRUCTION

PLANNING BOUNDARY

NEW USER BESS SUBSTATION

NEW 400kV CABLES

EXTENDED CULHAM JET 400kV SUBSTATION
SEE SHEET 2 FOR DETAILS

NEW 400kV USER CABLE

TEMPORARY CONTRACTORS COMPOUND AREA DURING CONSTRUCTION

Track

Camp
(disused)

Tank

Furze Brake

Sports
Facility

Def

ETL

Hedgester

Culham Science Centre

Electricity Distribution Site

Electricity Distribution Site

THAME LANE

THAME LANE

B1

B3

B

P

FB

FBs

73.4m

68.2m

64.5m

64.7m

MP
56.75

61.8m

61.3m

63.8m

60.1m

59.8m

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

NOTES:

1. FOR PLANNING ELEVATIONS, SEE PDD-101839-PLA-002.
2. FOR BUILDING ELEVATIONS, SEE PDD-101839-PLA-003.
3. DETAIL OF OVERHEAD LINE TOWERS, PHASING, SAG, DROPPERS & DOWNLEADS ARE APPROXIMATE.

RELATED DRAWINGS:

PDD-101839-PLA-001:

LEGEND:

NEW PERMANENT ESTABLISHMENT
EXISTING ESTABLISHMENT
TEMPORARY ESTABLISHMENT FOR CONSTRUCTION

20 0 20 40 60 80 100m
ORIGINAL SCALE 1:1000

Rev	Description	Cre'd	Chk'd	App'd	Date
P0	FIRST ISSUE	JD	AT	FM	11.04.24

nationalgrid

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

Scheme Name: CULHAM JET 400kV SUBSTATION

Document Title:

PLANNING DRAWING
OPTION D

Created by:	Date:	Checked by:	Date:	Approved by:	Date:
JD	11/04/24	AT	11/04/24	FM	11/04/24

Development Eng:	Document Type:	Scale:	Format:	Sheet(s):	Rev:
M. HALES	PLANNING	1:1000	A0	1 OF 3	P0

National Grid Document Number:
PDD-101839-PLA-001

FEED Document Number:
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