



ELECTRICAL CLEARANCES (BASED UPON NG TS 2.1 & TGN 186)		
NOMINAL SYSTEM VOLTAGE	400kV	132kV
PHASE TO EARTH	2.8m	1.1m
PHASE TO PHASE	3.6m	1.4m
SAFETY DISTANCE (Sd)	3.1m	1.4m
INSULATION HEIGHT	2.4m	2.4m
VERTICAL DESIGN SAFETY (Dv)	5.5m	3.8m
HORIZONTAL DESIGN SAFETY (Dvh)	4.6m	2.9m
VERTICAL MEWP OPERATION DESIGN SAFETY (Dv)	7.5m	5.8m
HORIZONTAL MEWP OPERATION DESIGN SAFETY (Dv)	6.6m	4.9m
MINIMUM HEIGHT OF CONDUCTORS ABOVE ROADWAYS	7.3m	6.7m

### LEGEND

- TOILET
- BLOK N MESH FENCE LINE
- PROPOSED ACCESS ROUTE
- PEDESTRIAN WALKWAY
- SECURITY CABIN
- EARTHWORKS BOUNDARY OVER HEAD LINES
- HAUL ROAD - TARMAC
- COMPOUND ACCESS & CAR PARK- TARMAC
- OHL EXCLUSION ZONE
- OUTDOOR SEATING AREA
- GS6 BARRIER
- COACH DROP-OFF AREA
- NO ENTRY SIGN
- EMERGENCY ASSEMBLY
- CCTV CAMERA TOWER
- NO RIGHT TURN
- SHOWER
- FIRE EXTINGUISHERS
- WASTE FACILITIES
- FIRST AID STATION
- NO PEDESTRIAN ACCESS
- SPEED LIMIT
- AED

ISSUE	Rev 11	NG INVESTMENT No.	102798
DRAWN	AP	REMARKS	FIRST ISSUE
CHKD	TM	DATE	30/05/25
APPD	NM	DATE	30/05/25
CIRCUIT: COMMON			
<b>nationalgrid</b>			
National Grid plc, Warwick Technology Park, Gattos Hill, Warwick, CV34 6JQ			
PROJECT CODE	PTQH5715	ACAD	A0
TITLE: CDM FINAL ARRANGEMENT LAYOUT SOUTH COMPOUND			
SITE: APOLLO 400KV AND 132KV SUBSTATION			
<b>Balfour Beatty</b>			
SCALE: NTS	SHEET: 03 OF 03	ACAD	
NG DRAWING No.	21/BB/0558	NG ISSUE	A
STATUS:	BB REVISION:	P1	
BIM CODE / DRAWING No. OPP3194-PTDS-XX-APOLO-XX-CDM-PE-000044			

DESCRIPTION	REFERENCE DRAWING	
	NG	BB
OVERALL SINGLE LINE DIAGRAM	42/BB/3445	OPP3194-PTDS-XX-APOLO-XX-SGLD-PE-000002
400kV SINGLE LINE DIAGRAM	42/BB/3446	OPP3194-PTDS-XX-APOLO-XX-SGLD-PE-000003
132kV SINGLE LINE DIAGRAM	42/BB/3447	OPP3194-PTDS-XX-APOLO-XX-SGLD-PE-000004
OVERALL ELECTRICAL LAYOUT FINAL ARRANGEMENT	21/BB/0554	OPP3194-PTDS-XX-APOLO-XX-LAY-PE-000007
400kV ELECTRICAL LAYOUT FINAL ARRANGEMENT	21/BB/0555	OPP3194-PTDS-XX-APOLO-XX-LAY-PE-000008
132kV ELECTRICAL LAYOUT FINAL ARRANGEMENT	21/BB/0556	OPP3194-PTDS-XX-APOLO-XX-LAY-PE-000011