



**DESIGNERS RISK ASSESSMENT**

BY: J.HALLETT DATE: 26/06/2025

- RED** UNCOMMON HAZARDS & RISKS CATEGORIZED AS HIGH OR EXTREME:  
OK TO PROCEED PROVIDING SPECIFIC HAZARDS AND RISKS ON THIS DRAWING HAVE BEEN RECOGNISED, ACKNOWLEDGED AND UNDERSTOOD. SITE OPERATIVES MAY REQUIRE ADDITIONAL INSTRUCTION AND/OR TRAINING.
- YELLOW** UNCOMMON HAZARDS & RISKS CATEGORIZED AS LOW OR MODERATE:  
OK TO PROCEED PROVIDING SPECIFIC HAZARDS AND RISKS ON THIS DRAWING HAVE BEEN RECOGNISED, ACKNOWLEDGED AND UNDERSTOOD. SITE OPERATIVES MAY REQUIRE ADDITIONAL INSTRUCTION AND/OR TRAINING.
- GREEN** COMMON HAZARDS & RISKS FAMILIAR TO A COMPETENT STAKEHOLDER:  
OK TO PROCEED. STANDARD CONTROL MEASURES APPLY.
- WHITE** NO CONSTRUCTION WORKS ASSOCIATED WITH THIS DRAWING.

**NOT FOR CONSTRUCTION**

**GENERAL NOTES:**

1. PHOTO IMAGERY TAKEN FROM BING MAPS.
2. EXISTING MAINLINE PHASE CONDUCTOR IS 1 x 175mm<sup>2</sup> ACSR LYNX. NEW DOWNLEAD AND JUMPER PHASE CONDUCTOR IS 1 x 300mm<sup>2</sup> AAAC UPAS.
3. CIRCUIT NAMES, CIRCUIT ID'S AND PHASE COLOURS TAKEN FROM EAST MIDLANDS ELECTRICITY BOARD SUMMARY SHEET, EM/TR/8332 REV A.
4. PALISADE FENCE LOCATION SHOWN AS PER UK0391-RPT-003. SUBSTATION CONTRACTOR TO CONFIRM FINAL LOCATION OF SUBSTATION BOUNDARY.
5. ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE.

**CIRCUIT ID'S:**

STAYTHORPE - BOURNE CIRCUIT 1:  
RED AND BLUE QUADRANTS  
TOP = BLUE, MID = YELLOW, BTM = RED

STAYTHORPE - BOURNE CIRCUIT 2:  
BLUE AND YELLOW SEMI-CIRCLES  
TOP = RED, MID = YELLOW, BTM = BLUE

**REFERENCE DOCUMENTS:**

UK0391-WCD-012	HA65 WIRE CLEARANCE DIAGRAM
UK0391-DRG-019	ED FOR TOP CROSSARM EXTENSION
UK0391-DRG-020	ED FOR MIDDLE CROSSARM OUTRIGGER
UK0391-DRG-021	ED FOR BOTTOM CROSSARM OUTRIGGER
EM/TR/8332 (EMEB)	LINE SCHEDULE
J049_1000_E3 (ICP)	INDICATIVE SUBSTATION LAYOUT

1	FIRST ISSUE	OM	BC/JH	MJ	27/06/25
REV	REVISION DESCRIPTION	DRN	CHK'D	APP	DATE

CLIENT

**nationalgrid**

ROUTE/CIRCUIT HA ROUTE

CLIENTS PROJECT & DRAWING NUMBER -

GLE PROJECT REF UK0391 (BOTTFORD POC DETAILED DESIGN)

TITLE  
**LAYOUT PLAN FOR POINT OF CONNECTION AT MODIFIED EXISTING TOWER HA65 (PL16 D2S STD)**

SCALE	NTS	SHT SIZE	A1
SHT NO	1	NO. OF SHTS	1

**GROUNDLINE**

DRAWING NUMBER UK0391-DRG-025-V1 REV 1

THIS DRAWING IS TO BE USED FOR THE PURPOSE IT HAS BEEN PROVIDED, BY THE PERSON TO WHOM IT HAS BEEN PROVIDED. ALL INFORMATION CONTAINED WITHIN THE DRAWING IS CONFIDENTIAL TO GROUNDLINE ENGINEERING LTD AND MUST NOT BE DISCLOSED TO A THIRD PARTY, NOR ANY PART OF IT REPRODUCED, COPIED OR ALTERED WITHOUT CONSENT OF GROUNDLINE ENGINEERING LTD.