

# Norwich to Tilbury

## Volume 6: Environmental Statement

Document: 6.13.F15 Environmental Statement Figure 13.15 - ZTV of Fairstead CSE Compounds

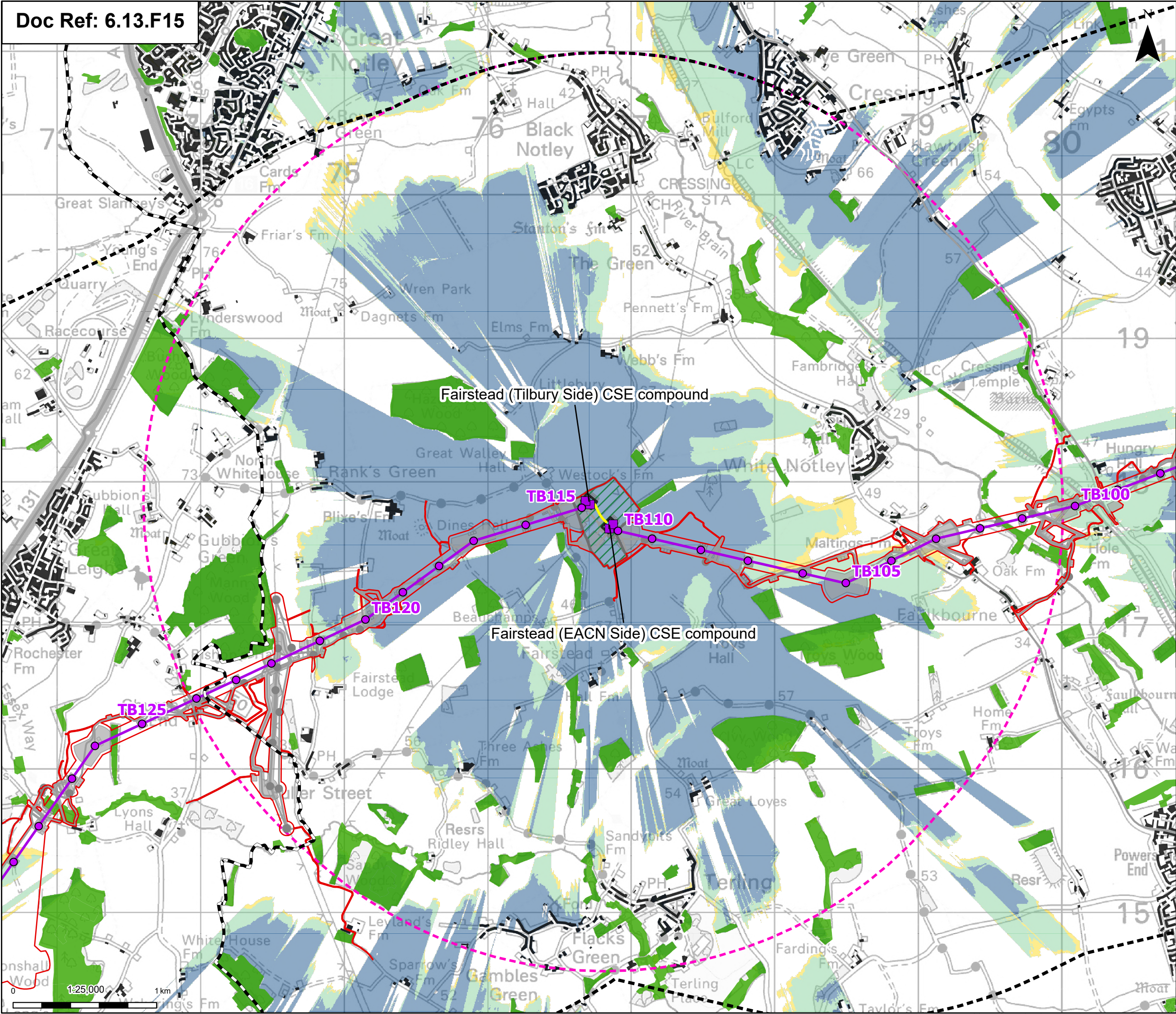
Final Issue A

August 2025

Planning Inspectorate Reference: EN020027

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 Regulation 5(2)(q)





- Order limits

Project section line

Proposed low duty gantry

Proposed standard lattice pylon location

Proposed overhead line alignment

Proposed underground cable alignment

Proposed cable sealing end compound (CSEC)

Environmental area

Other temporary and permanent construction and operational works
- Discipline specific constraints

LVIA Study Area

CSE compounds - 3 km Study Area

Buildings

Woodland

Proportional ZTV showing visibility of gantries within CSE compound

Top of structure is theoretically visible

Top half of structure is theoretically visible

Full structure is theoretically visible

Note: The proposed overhead line alignment and proposed underground cable alignment together comprise the alignment. For further details regarding the design, please refer to Figures 4.1 (document reference 6.4.F1) and 4.2 (document reference 6.4.F2). The ZTV indicates the theoretical visibility of the project from a viewing height of 2m above ground level. The terrain model is based on LiDAR 2m digital terrain model (DTM) data (obtained from Defra in December 2024), edited to create an indicative digital surface model (DSM), incorporating existing buildings (OS VMD building data) and existing woodland (Forestry Commission NFI 2023 data, categories assumed woodland, broadleaved, conifer, mixed mainly broadleaved and mixed mainly conifer). Hedgerows have not been modelled and proposed mitigation planting around the CSE compounds, Norwich Main Substation, EACN substation and Tilbury North Substation has not been taken into account. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.4.0 software.

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A	Aug 2025	FOR DCO APPLICATION	SS	AF	KB
Rev	Date	Description	Drawn	Check	Approv

PROJECT:  
nationalgrid Norwich to  
Tilbury

Planning Inspectorate App Number: EN020027  
Regulation 5(2)(a)

Title:  
  
Figure 13.15 - Landscape and Visual -  
ZTV of Fairstead (EACN Side) and  
Fairstead (Tilbury Side) CSE Compounds

Designed	L. Cargill	Date	21 Aug 25
Drawn	S. Sarkar	Date	21 Aug 25
Checked	A. Fell	Date	21 Aug 25
Approved	K. Burrows	Date	21 Aug 25
Scale:	1:25,000	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	10059280

Suitability Description:  
Accepted as Concept Stage

Drawing Number:  
10059280-ARC-ELS-ZZ-DR-ZZ-00376

Revision:  
A