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# Bramford to Twinstead Reinforcement

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# 1. Introduction

## 1.1 Overview

- 1.1.1 National Grid Electricity Transmission plc (here on referred to as National Grid) is making an application for development consent to reinforce the transmission network between Bramford Substation in Suffolk, and Twinstead Tee in Essex. The Bramford to Twinstead Reinforcement ('the project') would be achieved by the construction and operation of a new electricity transmission line over a distance of approximately 29km (18 miles), the majority of which would follow the general alignment of the existing overhead line network.
- 1.1.2 This Historic Environment Impact Assessment has been produced to support the application for development consent and the accompanying Environmental Statement (ES) under the Planning Act 2008. ES Chapter 8: Historic Environment (**application document 6.2.8**) summarises only the effects that are moderate or above (i.e. significant), with the full assessment presented in this appendix.
- 1.1.3 As the project is a Nationally Significant Infrastructure Project, National Grid is seeking consent for vertical and horizontal Limits of Deviation (LoD) within the Order Limits. The LoD define the location within which the final project components would lie and allow for flexibility to the project during detailed design and construction within the defined parameters. Further details can be found in ES Chapter 4: Project Description (**application document 6.2.4**). The impact assessment presented within this appendix is based on the Proposed Alignment as shown on ES Figure 4.1: The Project (**application document 6.4**). Flexibility allowed for within the LoD is described within the sensitivity testing in Section 11 of ES Chapter 8: Historic Environment (**application document 6.2.8**).
- 1.1.4 The reinforcement would include approximately 18km of overhead line (consisting of approximately 50 new pylons, and conductors). It is assumed that this reinforcement would operate at least 400kV in a similar way to the majority of the rest of the transmission network. For the purposes of this report, the proposed 400kV overhead line is referenced as 'proposed 400kV overhead line' to differentiate it from the existing 400kV overhead line and the UK Power Networks (UKPN) owned 132kV overhead line.

## 1.2 Purpose of this Report

- 1.2.1 The specific objectives of this appendix are to:
- Identify the heritage assets directly affected;
  - Describe the project and the construction processes involved;
  - Describe the potential magnitude of change on the identified heritage assets; and

- Describe the potential for significance effects on the identified heritage assets.

## **1.3 Structure of this Report**

1.3.1 Chapter 2 of this appendix describes the methodology that has been used for the impact assessment. The impact assessment is then presented in Chapter 3 to 5, which cover archaeological remains, built heritage, and historic landscapes, respectively.

## 2. Methodology

### 2.1 Introduction

- 2.1.1 This chapter sets out the methodology used for assessing the effects on the historic environment for those aspects scoped into the assessment. It has also been informed by the Scoping Opinion provided by the Planning Inspectorate (**application document 6.6**) on behalf of the Secretary of State, following the submission of the Scoping Report (**application document 6.5.1**).
- 2.1.2 The assessment is based on guidance set out in the Design Manual for Roads and Bridges (DMRB) LA 104 Environmental Assessment and Monitoring (Highways England *et al.*, 2020b) and DMRB LA 106 Cultural Heritage Assessment (Highways England *et al.*, 2020c), and guided by Conservation Principles (Historic England, 2008), Statements of Heritage Significance (Historic England, 2019), Standard and guidance for historic environment desk-based assessment (Chartered Institute for Archaeology, 2014, updated 2020), Principles of Cultural Heritage Impact Assessment in the UK (IEMA, 2021), and professional judgement.
- 2.1.3 The contribution of setting to the value of heritage assets has been assessed in accordance with the guidance provided in the Historic Environment Good Practice Advice Planning Note 3: The Setting of Heritage Assets (Historic England, 2017). The baseline setting assessment has been informed by a combination of desk-based assessment, the study of online mapping and aerial imagery together with the Zone of Theoretical Visibility (ZTV) produced for the project and also outputs from the targeted site inspections.

### 2.2 Study Area

- 2.2.1 The study area for designated heritage assets is the Order Limits and a 3km buffer area extending outwards from them. The study area for non-designated heritage assets is the Order Limits and 250m away from it. The focus of the ES is to report on the potential for significant effects, and the potential for effects on non-designated remains is generally limited to within the Order Limits and immediately adjacent to them.

## 2.3 Approach

### Value/Sensitivity

- 2.3.1 Heritage assets have been identified within the study area through the desk study and through the site surveys. This information has been used to assign receptors a value (sensitivity) as defined in ES Appendix 5.4: Assessment Criteria (**application document 6.3.5.4**). These values are based on Table 3.2N of LA 104 (Highways England *et al.*, 2020b). ES Appendix 8.1: Historic Environment Baseline (**application document 6.3.8.1**) presents the value (sensitivity) ascribed to each of the assets.

### Impact Magnitude

- 2.3.2 The criteria for assigning impact magnitude is defined in ES Appendix 5.4: Assessment Criteria (**application document 6.3.5.4**). These consider the scale/extent of the predicted change as a result of construction and operation of the project and the nature and duration of the impact, with examples of each category of impact magnitude provided in the guidance. The criteria for assigning impact magnitude are drawn from Table 3.4N of LA 104 (Highways England *et al.*, 2020b).

### Significance

- 2.3.3 Likely significant effects have been assessed considering the sensitivity (or value) of the heritage assets within the study area, and the magnitude of change (impact) likely as a result of the project. These factors are combined to give an overall significance of effect and include the embedded measures set out in the Register of Environmental Actions and Commitments (REAC) (**application document 7.5.2**) and good practice measures set out in the Code of Construction Practice (CoCP) (**application document 7.5.1**).
- 2.3.4 Significance has been derived using the matrix set out in Illustration 5.1 in ES Chapter 5: EIA Approach and Method (**application document 6.2.5**). This has been supplemented by professional judgement which where applicable has been explained to give the rationale behind the values assigned. Likely significant effects in the context of the EIA Regulations 2017 are effects assessed to be of moderate or greater significance.

### Additional Mitigation

- 2.3.5 Additional mitigation is mitigation identified through the assessment process that is required to offset or reduce a likely significant effect. Significant effects may be reduced to 'not significant' by additional mitigation. Residual effects are determined taking into account the implementation of any additional mitigation, using professional judgement. The additional mitigation is listed within the REAC (**application document 7.5.2**).



## 2.4 Impact Assessment

2.4.1 The impact assessment presented in Chapters 3 to 5 separate out the different types of heritage assets that make up the historic environment i.e. archaeological remains, built heritage and historic landscapes. Both designated and non-designated assets are considered.

### Impacts in Relation to Setting

2.4.1 A 3km study area including and outwards from the Order Limits was used to identify designated built heritage, comprising listed buildings and conservation areas. This was used as an initial way to capture assets which had a potential to have project inter-visibility and where changes to setting arising from it might be relevant.

2.4.2 The ZTV complemented the data generated by the 3km study area to further inform areas where potential changes in setting of listed buildings might occur both within and outside the 3km study area. This work also considered the apparent height of the proposed pylons, which for a 50m tall pylon would be 1.02cm at 3km as described in ES Appendix 6.1: Landscape and Visual Methodology (**application document 6.3.6.1**), meaning that no designated built heritage beyond 3km were likely to experience significant effects on their setting. Site inspections have also been made to listed buildings to understand their setting and the extents to which setting contributes to asset value. The degree to which the project changes the setting of all assets has been a primary consideration of this assessment.

2.4.3 During operation, it is anticipated that once vegetation removed during construction has been reinstated (subject to any restrictions due to operational requirements or management to maintain safety clearances), along with the embedded planting around the cable sealing end (CSE) compounds and grid supply point (GSP) substation, that the underground cables would have no significant adverse effects on setting during operation. The potential effects of the overhead lines, CSE compounds and GSP substation are therefore given more weight in terms of operational effects, as they would be permanent visual features in the landscape.

### Impacts from Dust, Noise, Vibration and Groundwater Changes

2.4.4 The assessment has used the outputs of the assessment from other ES Chapters and Appendices to inform the assessment of effects during construction:

- ES Chapter 10: Geology and Hydrogeology (**application document 6.2.10**) has identified that the project is unlikely to affect groundwater levels outside of dewatering activities, which would be localised and short term and where relevant are referenced within the assessment;

- ES Appendix 13.1: Dust Risk Assessment (**application document 6.3.13.1**) has identified that with the good practice measures set out within the Construction Environmental Management Plan (CEMP) and CoCP (**application documents 7.5 and 7.5.1** respectively) that there are unlikely to be significant effects in relation to dust;
- ES Chapter 14: Noise and Vibration (**application document 6.2.14**) has identified that the levels of noise and vibration from construction activities (including piling and along temporary access routes) would not be significant during construction. Therefore, noise and vibrations are unlikely to pose a threat of physical damage to assets; and
- ES Appendix 14.2: Construction Traffic Noise and Vibration Assessment (**application document 6.3.14.2**) states that construction traffic vibration is not expected to be significant. This would be relevant to assets, including listed buildings, alongside the proposed construction routes.

## 3. Archaeological Remains

### 3.1 Introduction

3.1.1 The Scoping Report (**application document 6.5.1**) proposed that physical effects on archaeological remains during operation could be scoped out of the assessment on the basis that there would only be a limited need for sub-surface works during operation, which would only affect ground that has previously been disturbed during the construction phase of the project. This was confirmed in the Scoping Opinion (**application document 6.6**). Therefore, the assessment presented within this chapter, focuses on direct effects to archaeological remains during construction (within the Order limits only) and effects on the setting of such assets during both construction and operation.

3.1.2 ES Chapter 4: Project Description (**application document 6.2.4**) describes how the project would be constructed. A summary is provided of the project components below, along with how these activities could affect archaeological remains, to support the impact assessment presented in the following tables:

- Removal of the 132kV overhead line – temporary access routes would use trackway matting and would not involve soil disturbance. The pylons would be removed but this would be within soil previously disturbed during construction of the pylons;
- Removal of the 400kV overhead line – creation of a temporary access route within the Order Limits. This is assumed to involve the removal of topsoil and subsoil and using imported stone to create the temporary surfacing. The creation of these temporary features has a risk of partial removal of archaeological remains through removal of soil horizons. A greater risk is the compression of archaeological deposits from the laydown and use of aggregate. The pylons would be removed but this would be within soil previously disturbed during construction of the pylons;
- Construction of the proposed 400kV overhead line – this activity would involve similar temporary works as the 400kV overhead line removal with the addition of additional soil excavation areas associated with the pylon bases;
- Construction of the 400kV underground cables – this has by far the most potential for the removal and damage of archaeological remains due to the need of an 80m wide working area. The working area (including the temporary access route and the cable trenches) would be stripped of topsoil and subsoil and stored. Stone would be imported for the temporary access route and machine excavation would be required for the creation of the cable trenches. The impacts arising from this collective activity would include soil removal, compression, potential temporary de-watering, compression and vibration; and

- Construction of the GSP substation and CSE compounds - this has potential for the removal and damage of archaeological remains. The working area would be stripped of topsoil and subsoil and stored. Machine excavation would be needed to construct the foundations of the compound areas. The impacts arising from this collective activity would include soil removal, compression, potential temporary de-watering, compression and vibration.

## 3.2 Scheduled Monuments

### Construction

#### Direct Effects

- 3.2.1 There would be no physical changes to the 11 high value scheduled monuments as a result of construction activity. All of the archaeological designations lie outside of the Order Limits and would therefore not be affected by the removal of soil horizons, compression and vibration which are typical of such activity. As described in paragraph 2.4.4, there are unlikely to be impacts at the designation locations from noise, vibration or groundwater changes. Therefore, there would be no change to scheduled monuments during construction in terms of direct effects. This would have a **neutral** effect, which is **not significant**.

#### Changes to Setting

- 3.2.2 Buried archaeology can have a setting. This varies based on the nature of the asset and how it fits in with the surrounding landscape. The setting for each scheduled monument varies and these are described in Section 2.5 of ES Appendix 8.1: Historic Environment Baseline (**application document 6.3.8.1**).
- 3.2.3 During construction, only one high value scheduled monument has the potential to be affected visually, given its immediate proximity to the project, the Moated site at Moat Farm (1019889) 450m south of Cobbler's Corner. The temporary access point (AB-DAP7) and temporary access route would lie approximately 140m north of the site. This is likely to result in additional visual intrusion by construction vehicles using this route. This would be temporary during construction only amounting to a negligible adverse impact and a temporary **minor adverse** effect, which is **not significant**.
- 3.2.4 The remaining 10 scheduled monuments within the study area are unlikely to have the setting affected by the project, as they are either located too far from the project and/or have intervening vegetation which would screen the views or the setting has been identified as not making a great contribution to the asset's value. In the case of these ten scheduled monuments there would be no change to them in terms of impact, with a **neutral** effect from the project on the setting of the asset, which is **not significant**.

## Operation

### Direct Effects

- 3.2.5 Direct effects to designated archaeological remains have been scoped out of the assessment (see Section 8.3 in ES Chapter 8: Historic Environment (**application document 6.2.8**)).

### Changes to Setting

- 3.2.6 The moated site at Moat Farm (1019889) 450m south of Cobbler's Corner would be the only high value monument to undergo any degree of change to its setting, due to its proximity to the project. In the case of the moated site, the removal of the 132kV overhead line 290m north of the designation boundary would remove the small visual intrusion the overhead line represents on the skyline. This small beneficial impact would result in a permanent **minor beneficial** effect, which is **not significant**.
- 3.2.7 The remaining scheduled monuments either have no project intervisibility or their setting as buried archaeological remains within the rural landscape means that there would be no change arising from the above ground features of the project during operation. This would have a **neutral** effect, which is **not significant**.

## 3.3 Non-Designated Archaeological Remains

### Construction

#### Direct Effects

- 3.3.1 Non-designated archaeological remains are assessed in Table 3.1. The construction-related impacts liable to affect archaeological remains have been summarised in the 'impacts identified' column. For the most part, these comprise the potential truncation effects from the creation of temporary access routes and the excavation of soil horizons both for the foundations of the proposed new pylon bases and the trenches for the undergrounded cables. Where a significant effect (i.e. moderate or above) has been identified, this is discussed in ES Chapter 8: Historic Environment (**application document 6.2.8**). Table 3.1 states the effects prior to the mitigation set out in the Outline Written Scheme of Investigation (OWSI) (**application document 7.10**).

Table 3.1 – Impact Assessment of Non-Designated Archaeological Remains (Direct Effects During Construction)

Asset	Value	Impacts Identified	Magnitude	Significance of Effect
Fen Farm (MSF42439) – 15th to 19th century farm complex	Low	Excavation associated with temporary access routes – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Negligible adverse	Neutral
MSF43384 - Medieval Bullen Green	Negligible	Excavation associated with temporary access routes – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	No change	Neutral
Former field boundaries at Hill Farm (identified by AIM) – AIM identifier: 1609	Low	Excavation associated with temporary access routes – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Negligible adverse	Neutral
Former field boundaries at Orchards Lane (identified by AIM) – AIM identifier: 1504	Low	Excavation associated with temporary access routes – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Negligible adverse	Neutral
The historic limits of Hintlesham Park (MSF11949)	Low	Excavation associated with temporary access routes – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Negligible adverse	Neutral
Possible former field boundary within Hintlesham Park (identified by AIM) – AIM identifier: 11316	Low	Excavation associated with temporary access routes – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Negligible adverse	Neutral
The historic limits of College Farm farmstead (MSF43815) now identified as Bungalow Farm	Low	Working area with temporary access route on the proposed realignment of 400kV overhead line – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Negligible adverse	Neutral

Asset	Value	Impacts Identified	Magnitude	Significance of Effect
Former field boundaries to the west of College Farm, now described as Bungalow Farm (identified by AIM) – AIM identifier: 1788 and 1789	Low	Working area with temporary access route on the proposed realignment of 400kV overhead line – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Small adverse	Minor adverse
Pottery scatter on the surface of the field (MSF11448) within dark patches on field surface	Negligible	Working area with temporary access route on the proposed realignment of 400kV overhead line – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Negligible adverse	Neutral
Former field boundaries immediately adjacent and to the north of Hintlesham Little Wood (identified by AIM) – AIM identifier: 1787	Low	Construction of proposed 400kV overhead line – excavation associated with new pylon bases and temporary access route – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Small adverse	Minor adverse
Flint scraper findspot (MSF32832)	Negligible	Construction activity related to modification of 400kV overhead line – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Negligible adverse	Neutral
The historic limits of Wood Farm (MSF43814)	Low	Temporary access routes related to construction of proposed 400kV overhead line – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Negligible adverse	Neutral
Medieval artefact scatter (MSF11438)	Negligible	Excavation and compression associated with construction of proposed 400kV overhead line – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising. This also takes into account the excavation associated with pylon bases.	Negligible adverse	Neutral
Former field boundaries at Moat Farm (identified by AIM) – AIM identifier: 1799	Low	Removal of 132kV overhead line – no intrusive impacts identified.	No change	Neutral

<b>Asset</b>	<b>Value</b>	<b>Impacts Identified</b>	<b>Magnitude</b>	<b>Significance of Effect</b>
The historic limits of Pond Hall Park (MSF22837)	Low	Construction of proposed 400kV overhead line – excavation associated with new pylon bases and temporary access route – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Negligible adverse	Neutral
Former field boundaries at Primrose Farm (identified by AIM) – AIM identifier: 1602	Low	Construction of proposed 400kV overhead line – excavation associated with new pylon bases and temporary access route – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Small adverse	Minor adverse
Moat at Parks Yard (MSF14017)	Medium	Construction of proposed 400kV overhead line – excavation associated with new pylon bases and temporary access route – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Small adverse	Minor adverse
Area of former ancient woodland (MSF24625) at Bushy Cooper’s Wood and woodland boundary (identified by AIM) - AIM identifier: 1600	Low	Construction of proposed 400kV overhead line – excavation associated with new pylon bases and temporary access route – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Negligible adverse	Neutral
Area of former ancient woodland (MSF19516) Ramsey Wood, Hintlesham	Low	Modification work to existing 400kV overhead line– removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Negligible adverse	Neutral
Area of former ancient woodland (MSF19318) at Tom’s Wood/ Broadoak Wood	Low	Removal of 132kV overhead line and construction of proposed 400kV overhead line – excavation associated with new pylon bases and temporary access route.	Negligible adverse	Neutral



Asset	Value	Impacts Identified	Magnitude	Significance of Effect
Former field boundary approximately 270m west of Tom's Wood (identified by AIM) - AIM identifier: 1786	Low	Removal of 132kV overhead line and construction of proposed 400kV overhead line – excavation associated with new pylon bases and temporary access route.	Negligible adverse	Neutral
The site of a Romano-British villa (MSF5172)	Medium	Removal of 132kV overhead line and construction of proposed 400kV overhead line – excavation associated with new pylon bases and temporary access route.	Negligible adverse	Minor adverse
Double-ditched enclosure at Upper Layham (identified by AIM) approximately 250m west of the villa named above – AIM identifier: 8091	Medium	Excavation for temporary access route and working area for construction of proposed 400kV overhead line – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Small adverse	Minor adverse
Former field boundary at Upper Layham (identified by AIM) - AIM identifier: 8090	Low	Excavation for temporary access route and working area for construction of proposed 400kV overhead line – removal of soil horizons (topsoil) along temporary access route and importation of aggregate and potential compression impacts arising.	Small adverse	Minor adverse
Undated ring ditch (MSF3983) – possible round barrow with central pit (also identified by AIM, AIM identifier: no. 8084)	Medium	Removal of 132kV overhead line and construction of proposed 400kV overhead line. Given pylon RB3 has potential to move within the LoD and disturb the asset a worst-case scenario has been assumed	Negligible adverse	Minor adverse
Truncated circular enclosure at Upper Layham (identified by AIM) - AIM identifier: 11290	Low	Excavation work associated with removal of 132kV overhead line and Construction of proposed 400kV overhead line – excavation associated with new pylon bases and temporary access route.	Small adverse	Minor adverse
Former field boundary on course of footpath to west of Upper Layham (identified by AIM) - AIM identifier: 1828	Low	Excavation work associated with removal of 132kV overhead line and Construction of proposed 400kV overhead line – excavation associated with new pylon bases and temporary access route.	Small adverse	Minor adverse

Asset	Value	Impacts Identified	Magnitude	Significance of Effect
Site of possible former pond, ring ditch or barrow (identified by AIM) AIM identifier: 11294	Low	Excavation work associated with removal of 132kV overhead line and Construction of proposed 400kV overhead line – excavation associated with new pylon bases and temporary access route.	Small adverse	Minor adverse
Possible incomplete curvilinear enclosure (identified by AIM) - AIM identifier: 11293	Low	Excavation work associated with removal of 132kV overhead line and Construction of proposed 400kV overhead line – excavation associated with new pylon bases and temporary access route.	Small adverse	Minor adverse
Former field boundary west of Upper Layham (identified by AIM) – AIM identifier: 1783	Low	Excavation work associated with removal of 132kV overhead line and Construction of proposed 400kV overhead line – excavation associated with new pylon bases and temporary access route.	Small adverse	Minor adverse
The historic limits of Pope’s Green Farm (MSF44288)	Low	Excavation work associated with removal of 132kV overhead line, the Construction of proposed 400kV overhead line and the creation of the CSE compounds – excavation associated with new pylon bases, CSE foundations and temporary access route.	Negligible adverse	Neutral
Former field boundary east of Millfield Wood and Millwood Road (identified by AIM) – AIM identifier: 1782	Low	Excavation work associated with removal of 132kV overhead line and Construction of proposed 400kV overhead line – excavation associated with new pylon bases and temporary access route.	Negligible adverse	Neutral
Area of former ancient woodland (MSF18923) at Millfield Wood	Low	Excavation work associated with removal of 132kV overhead line and Construction of proposed 400kV overhead line and creation of permanent access to junction between the overhead lines and underground cables at the CSE compounds.	Negligible adverse	Neutral
Former field boundaries 350m west of Millfield Wood (identified by AIM) – AIM identifier: 1781	Low	Excavation work associated with placement of 400kV underground cables, leading to partial removal of archaeological remains and potential compression impacts arising from plant movement.	Medium adverse	Minor adverse

<b>Asset</b>	<b>Value</b>	<b>Impacts Identified</b>	<b>Magnitude</b>	<b>Significance of Effect</b>
Former field boundaries 200m west of Holt Road (identified by AIM) – AIM identifier: 1812	Low	Excavation work associated with placement of 400kV underground cables, leading to partial removal of archaeological remains and potential compression impacts arising from plant movement.	Medium adverse	Minor adverse
Former field boundary north of Bushy Park Wood (identified by AIM) – AIM identifier: 1511	Low	Removal of 132kV overhead line – no intrusive impacts identified.	No change	Neutral
The historic limits of Holt Farm farmstead (MSF44891)	Low	Removal of 132kV overhead line – no intrusive impacts identified.	No change	Neutral
Flint axe findspot (MSF5675)	Negligible	Excavation work relating to the proposed underground cables, leading to removal of soil horizons and potential compression impacts arising from plant movement.	No change	Neutral
Low level bank associated with a field boundary (identified by AIM) - AIM identifier: 11339	Low	Excavation work associated with placement of 400kV underground cables.	Medium adverse	Minor adverse
Former field boundaries located in between Harrow Street and B1068 Stoke Road (Leavenheath) as identified by AIM. AIM identifier: 1771	Low	Excavation work associated with placement of 400kV underground cables.	Medium adverse	Minor adverse
Former field boundaries (identified by AIM) - AIM identifier: 1768	Low	Excavation work associated with placement of 400kV underground cables and CSE compounds for proposed 400kV overhead line.	Negligible adverse	Neutral
Former field boundaries at Hunter's Farm (identified by AIM) - AIM identifier: 1516	Low	Construction of proposed 400kV overhead line - excavation associated with new pylon bases and temporary access route.	Negligible adverse	Neutral

Asset	Value	Impacts Identified	Magnitude	Significance of Effect
Area of common land (MSF43446) as denoted on 18 <sup>th</sup> century map	Low	Removal of 132kV overhead line and construction of proposed 400kV overhead line.	No change	Neutral
Former field boundaries on south-west side of A134 - AIM identifier: 1765 and the presence of Romano-British archaeology as evidenced from geophysical survey and archaeological trial trenching. Archaeological remains included settlement activity including a cremation burial	Low	Proposed construction compound – excavation of soil horizons and aggregate importation resulting in potential compression of soil horizons. Probable need for excavation associated with temporary buried services resulting in removal and/ or truncation of buried archaeology.	Large adverse	<b>Moderate adverse</b>
Former field boundaries at Hill View (identified by AIM) - AIM identifier: 1519	Low	Excavation work associated with removal of 132kV overhead line and construction of proposed 400kV overhead line.	Small adverse	Minor adverse
Area of former ancient woodland (MSF18179) at Leadenhall Wood	Low	Excavation work associated with removal of 132kV overhead line and construction of proposed 400kV overhead line.	No change	Neutral
Former field boundaries at Stanton's Farm (identified by AIM) – AIM identifier: 1538	Low	Excavation work associated with removal of 132kV overhead line and construction of proposed 400kV overhead line.	Small adverse	Minor adverse
The site of a possible medieval road with substantial ditches and banks (MSF13370)	Low	Excavation work associated with removal of 132kV overhead line and Construction of proposed 400kV overhead line and the placement of underground cables.	Small adverse	Minor adverse
Archaeological remains associated with a Romano-British settlement site east of St Edmund's Hill (B1508)	Medium	Excavation work associated with removal of 132kV overhead line and Construction of proposed 400kV overhead line and the placement of underground cables.	Large adverse	<b>Moderate adverse</b>
The historic limits of Moor's Farm (MSF35233)	Low	Country lane through the asset is within the Order Limits which would be used by project traffic.	No change	Neutral

<b>Asset</b>	<b>Value</b>	<b>Impacts Identified</b>	<b>Magnitude</b>	<b>Significance of Effect</b>
Findspot of a copper alloy 'awl' (MSF14847)	Negligible	Location bisected by permanent access within section of undergrounded cables.	No change	Neutral
Early medieval (MSF14418) and medieval (MSF14417) artefact scatters and the location of a rectangular enclosure (MSF5710/ MEX30109) at Workhouse Green	Low	Potential disturbance from trenchless crossing shaft and the placement of underground cables leading into it from the east.	Medium adverse	Minor adverse
Pillbox on a bend in the River Stour (MEX1034884) within the section of trenchless crossing	Low	Trenchless crossing, with excavation of launch and reception shafts.	No change	Neutral
Drainage channels near Lamarsh Hall in River Stour floodplain (identified by AIM) east of Stour Valley Railway – AIM identifier: 11252, 11253 and 11255	Low	Within area of trenchless crossing, but potential impacts associated with a temporary access routes and trenchless crossing launch/ reception shafts.	Small adverse	Minor adverse
Field boundaries in River Stour floodplain (identified by AIM) – AIM identifier: 11264	Low	Excavation work associated with temporary access routes associated with work in the River Stour valley.	Small adverse	Minor adverse
Drainage channels near Lamarsh Hall in River Stour floodplain (identified by AIM) west of Stour Valley Railway – AIM identifier: 1570, 11262 and 11283	Low	Excavation work associated with temporary access routes associated with work in the River Stour valley.	Small adverse	Minor adverse
A concentration of anomalies recorded on the HER (MEX29558) on the east side of Lamarsh including an oval enclosure, rectangular enclosures, a pit, linear, field system and ring ditch	Medium	Excavation work associated with temporary access routes relating to the proposed River Stour valley trenchless crossing.	Small adverse	Minor adverse

Asset	Value	Impacts Identified	Magnitude	Significance of Effect
A possible truncated enclosure (identified by AIM) – AIM identifier: 11256	Low	Excavation work associated with temporary access routes relating to the proposed River Stour valley trenchless crossing.	Small adverse	Minor adverse
Cropmark complex at Hill Farm House (MEX30154)	Medium	Excavation work associated with placement of underground cables.	Medium adverse	<b>Moderate adverse</b>
Cropmark complex (MEX1031685) 1km east of the village of Twinstead	Medium	Excavation work associated with temporary access routes and activity associated with modification of 132kV overhead line.	Small adverse	Minor adverse
Recovery of prehistoric artefacts (MEX30059) from an historic area of quarrying at Alphamstone	Negligible	Excavation work associated with underground cables.	No change	Neutral
Archaeological features detected by geophysical survey and archaeological trial trenching within and to the south of Waldegrave Wood	Low	Excavation associated with the GSP substation and permanent and temporary access routes.	Medium adverse	Minor adverse
Former field boundaries (MEX1031729) south of Wickham St Paul	Low	Excavation work associated with temporary access routes and modification works to 132kV overhead line.	Small adverse	Minor adverse
Former field boundaries (MEX1031722) at Bulmer, west of Butler's Wood	Low	Excavation activity associated with realignment of and proposed 400kV overhead lines and the creation of the proposed GSP substation.	Small adverse	Minor adverse
Former field boundaries (MEX1031720) 600m north-east of the village of Wickham St Paul	Low	Excavation work associated with temporary access route to existing pylon for modification work to 400kV overhead line.	Small adverse	Minor adverse

Asset	Value	Impacts Identified	Magnitude	Significance of Effect
Soil marks (MEX29949) north-west of the village of Wickham St Paul are dated with pottery there dating to the Romano-British period	Low	Excavation work associated with temporary access routes to existing pylon for modification work to 400kV overhead line.	Small adverse	Minor adverse

## Operation

- 3.3.2 There are no significant effects anticipated for non-designated archaeological remains in terms of changes to their setting which would affect their significance. This would be due to the partial undergrounding of the cable and the removal of the existing 132kV overhead line. The additional changes brought by the proposed 400kV overhead line, CSE compounds and GSP substation are insufficient in visual terms to affect the setting of buried archaeological remains. The setting of medium and low value non-designated archaeological remains outside the Order Limits would experience no change from the project during operation, warranting a **neutral** effect which is **not significant**.

## 3.4 Palaeoenvironmental Potential

- 3.4.1 A specialist geoarchaeological desk-based assessment (Headland Archaeology, 2022) has been carried out which identifies the potential for historic and prehistoric organic remains to exist within the three river valleys within the Order Limits (the Rivers Brett, Box and Stour).
- 3.4.2 The River Brett is in a section where overhead line is proposed. The pylons would be located away from the river and there would be limited interaction with groundwater during construction. Therefore, the works at the River Brett would have no impact on any palaeoenvironmental deposits during construction.
- 3.4.3 A trenchless crossing is proposed at both the Rivers Box and Stour (including the Sudbury Branch Railway Line), and the assumed method for the purposes of assessment is horizontal directional drilling. This would require excavation of launch and reception pits at either end of the crossings.
- River Box: The archaeological watching brief (Oxford Archaeology, 2013) identified peat deposits at depths of 1.5-3.0m below ground level (bgl) at the River Box; and

- River Stour: The existing borehole record within the Stour Valley indicates the presence of complex deposits of potentially high geoarchaeological significance. Peat deposits have been found at 1.7-1.9m bgl during archaeological monitoring (Oxford Archaeology, 2013).

3.4.4 The assessment presented in ES Appendix 10.2: Groundwater Baseline and Assessment (**application document 6.3.10.2**) has identified the potential for the excavation of the trenchless crossing pits to intercept groundwater at these locations. There is therefore the potential for the pit excavations to affect palaeoenvironmental remains, should they be present, within 500m of the launch and reception pits. The dewatering would potentially affect their quality of survival of through degradation. National Grid has committed to undertake a programme of geoarchaeological recording that is proportionate to the project impact and the potential significance of the deposits, as stated within the OWSI (**application document 7.10**). With this measure in place, any significant effects on palaeoenvironmental remains would be reduced to **not significant**.



# 4. Built Heritage

## 4.1 Introduction

4.1.1 The Scoping Report (**application document 6.5.1**) proposed that physical effects on built heritage structures could be scoped out of the assessment on the basis that there are no built heritage assets within the Order Limits. This was confirmed in the Scoping Opinion (**application document 6.6**). Two non-designated built heritage assets included within the HER have since been identified within the Order Limits and these receptors have therefore been scoped back into the assessment (Table 4.3) to allow consideration of any likely significant effects. Therefore, the assessment presented within this chapter focuses on effects on setting to designated built heritage structures during construction and operation and also includes direct effects and effects on setting on non-designated built heritage structures during construction and operation.

4.1.2 The ZTV was used to understand the potential changes in visual setting to built heritage structures. This is shown on ES Figure 8.4: Built Heritage Designations and Zone of Theoretical Visibility (ZTV) (**application document 6.4**). The ZTV identifies areas of asset intervisibility based on terrain mapping and indicates and identifies locations which would likely have full or partial views of the pylons. The ZTV is divided into three zones:

- Areas with a theoretical visibility of the entire new pylon for the proposed 400kV overhead line;
- Areas with a theoretical visibility of the middle point of the new pylons i.e. the upper half; and
- Areas with some visibility of the tops of the pylons.

4.1.3 The following information was also used to inform the setting assessment and validate the conclusions:

- Photomontages prepared for the application (**application document 5.8**);
- ES Appendix 6.4: Viewpoint Assessment (**application documents 6.3.6.4.1 to 6.3.6.4.7**). The viewpoints were used where the heritage assets were within 200m of the viewpoint locations or otherwise in a position where the sightlines were judged to be very similar;
- Aerial and street level images obtained online (Google Earth and Google Streetview, 2023); and
- Site inspections were undertaken to 57 listed buildings to understand the extents to which setting contributed to asset value.

4.1.4 Conservation areas are considered in Section 4.2, and built heritage is considered in Section 4.3.

## 4.2 Conservation Areas

### Construction

#### Direct Effects

- 4.2.1 As discussed in paragraph 2.4.4, the conservation areas would not be physically affected by the project during the construction phase in terms of noise and vibration, given their distance from construction activity.

#### Effects on Setting

- 4.2.2 The nine conservation areas within the study area each have a different setting. In terms of project intervisibility, three have some limited intervisibility (Hadleigh, Polstead and Stoke-by-Nayland) with six not having any. These are given in more detail in the description in ES Appendix 8.1: Historic Environment Baseline (**application document 6.3.8.1**) which summarises their setting. All nine conservation areas are of medium value.
- 4.2.3 There is a potential for short term setting related impacts relating to construction activities on Hadleigh Conservation Area and a number of listed buildings adjacent to the working areas. Temporary setting impacts would arise due to loss of vegetation screening leading to some visibility of construction vehicle activity, as well as increased levels of noise, though these have been quantified as being not significant in ES Appendix 14.2: Construction Traffic Noise and Vibration Assessment (**application document 6.3.14.2**). The impact to the Hadleigh Conservation Area may amount to a small adverse magnitude impact, resulting in a short term **minor adverse** effect, which is **not significant**.
- 4.2.4 The Polstead and Stoke-by-Nayland Conservation Areas are the only two other such designations which have limited project intervisibility. These are further afield from the project than the Hadleigh Conservation Area and the potential setting impacts arising from the construction would amount to no change to them and a **neutral** effect, which is **not significant**.
- 4.2.5 The remaining six Conservation Areas have no visual relationship with the project and would similarly experience no change and a **neutral** effect, which is **not significant**.

### Operation

- 4.2.6 Table 4.1 sets out the potential effects on conservation areas during operation.

Table 4.1 – Impact Assessment on Conservation Areas During Operation

Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
Hadleigh	Medium	<p>The Order Limits lie approximately 450m to the south of the conservation area.</p> <p>The project would result in the addition of a proposed 400kV overhead line on the skyline to the south of the designation. This would only be visible from selected viewpoints along the western and south-western edges of the designated area. Given the distance, the additional visual intrusion of the proposed 400kV overhead line would amount to a limited additional change to the skyline from those selected viewpoints whilst not affecting the remainder of the designation at all.</p> <p><b>Nearest viewpoint:</b> C-05 (150m to the west of the designation boundary).</p>	Negligible adverse	Minor adverse
Polstead	Medium	<p>The nearest project component to the conservation area would be removal of the 132kV overhead line where this crosses Dollops Wood (approximately 450m from the conservation area), which forms part of the setting to the designation. The next nearest component would be the underground cables, which would lie approximately 500m to the north-west of the designation at its closest point. These would have no effect on the setting of the conservation area as they would be underground.</p> <p>The proposed 400kV overhead line and the Dedham Vale East CSE compound lie approximately 1.2km north-east of the designation. The assigned magnitude of impact is based on the distance of the designation from the Order Limits, vegetation screening and local topography, which highly limits any views and therefore any additional visual intrusion on the skyline.</p> <p><b>Nearest viewpoint:</b> E-08 (on Water Lane, within the conservation area boundary).</p>	No change	Neutral
Boxford	Medium	<p>The nearest project components to the conservation area would be the underground cable, which would lie 1.5km to the south-east of the designation at its nearest point, and the removal of the existing 132kV overhead line 1.4km to the south east of the conservation area at its nearest point. The underground cables would have no effect on the setting of the conservation area.</p>	No change	Neutral

Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
		<p>The proposed 400kV overhead line and the Dedham Vale West CSE compound lie approximately 1.7km south-west of the designation. The assigned magnitude of impact is based on the distance of the designation from the Order Limits, vegetation screening and local topography, which block view towards the project.</p> <p><b>Nearest viewpoint:</b> F-2.1 (190m to the west of the designation boundary).</p>		
Stoke-by-Nayland	Medium	<p>The nearest project components to the conservation area would be the underground cable, which would lie 2.1km to the north-west of the designation at its closest point, and the removal of the existing 132kV overhead line 2.1km to the north west of the designation, at its nearest point. The underground cables would have no effect on the setting of the conservation area.</p> <p>The proposed 400kV overhead line, Dedham Vale East CSE compound and Dedham Vale West CSE compound lie even further away (approximately 2.5km north-east and 2.8km north-west respectively). The assigned magnitude of impact is based on the distance of the designation from the Order Limits, vegetation screening and local topography, which block view towards the project.</p> <p><b>Nearest viewpoint:</b> E-2.5 (220m to the north of the designation boundary).</p>	No change	Neutral
Nayland	Medium	<p>The nearest project component to the conservation area would be the underground cable, which lies 3km to the north of the designation at its closest point. The underground cables would have no effect on the setting of the conservation area.</p> <p>The proposed 400kV overhead line and Dedham Vale West CSE compound lie even further away (approximately 3.5km). The historic village core is set within the middle of the area covered by the designation. The project components would not materially alter the designation's setting, as there would be no additional visual intrusion on the local skyline from views from the conservation area.</p>	No change	Neutral
Bures St Mary	Medium	<p>The proposed 400kV overhead line and the Stour Valley East CSE compound lie approximately 1.2km north of the designation. The assigned magnitude of impact is based on the distance of the designation from the Order Limits, vegetation screening and local topography, which block view towards the project.</p>	No change	Neutral

Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
Bures Hamlet	Medium	<p>The proposed 400kV overhead line and the Stour Valley East CSE compound lie approximately 2.6km north-east of the designation. The existing 132kV overhead line 2,6km to the north of the designation boundary at its closest point will be removed, and the proposed 400kV underground cable located approximately 2.6km to the north.</p> <p>The assigned magnitude of impact is based on the distance of the designation from the Order Limits, vegetation screening and local topography, which block view towards the project.</p>	No change	Neutral
Sudbury	Medium	<p>The nearest components of the project are removal of the 132kV overhead line (4km to the south) and the proposed GSP substation (3.9km to the south-west). The existing 400kV overhead line 3.5km to the south of the conservation area at its nearest point will be modified.</p> <p>The assigned magnitude of impact is based on the distance of the designation from the Order Limits, vegetation screening and local topography, which block view towards the project.</p>	No change	Neutral
Pebmarsh	Medium	<p>The project proposals relevant to the asset are the construction of the Stour Valley West CSE compound 2km to the north-east of the designation at its nearest point, and the removal of the existing 400kV overhead line 2km north east of the designation (north of the proposed CSE compound).</p> <p>The Pebmarsh conservation area has intervening topography and vegetation screens which would remove any possibility of visual impacts and therefore changes to asset significance.</p>	No change	Neutral

## 4.3 Listed Buildings

### Construction

#### Direct Effects

- 4.3.1 In terms of direct physical effects during construction, ES Chapter 14: Noise and Vibration (**application document 6.2.14**) identified that construction-related vibration is unlikely to result in damage to listed buildings due to the distance between the works and the listed buildings. Similarly, ES Appendix 13.1: Dust Risk Assessment (**application document 6.3.13.1**) refers to the good practice measures

set out within the CEMP and CoCP (**application documents 7.5** and **7.5.1** respectively). In terms of residual effects, risk of dust would be reduced to negligible and therefore there would be **no significant** effects on built heritage arising from dust spoiling. This level of effect from noise, vibration and dust sources is also relevant in terms of the temporary setting changes to the listed properties during this phase, considered below.

## Changes to Setting

- 4.3.2 Setting change could derive from visual changes to the setting of high value listed buildings, of which project intervisibility would form a part. The visual changes could result from a range of project activities, from visibility of construction work with noise, dust and vibration to the permanent presence or absence of overhead lines. The magnitudes of impact would range from no change, to negligible adverse to small adverse, depending on proximity to the temporary works. This is based on the limited visual intrusions to the properties arising from the work, and no significant effects of noise, vibration and dust as noted in paragraph 4.3.1. No listed properties were identified that were immediately adjacent to the project with no visual screening and so would not be exposed to any greater magnitude of impact than small adverse. Temporary effects ranging from **neutral** to **minor adverse** would therefore result. These have been assessed as **not significant** for any listed buildings within the study area due to the temporary nature of the works and their limited capacity to adversely affect the properties.

## Operation

- 4.3.3 The setting assessment focuses on views of the project and has used the ZTV and supporting information stated in 4.1.3 to understand the potential changes in visual setting to listed buildings and to inform an initial screening as to which listed buildings warranted further detailed assessment. This assessment is presented in Table 3.2 in ES Appendix 8.1: Historic Environment Baseline (**application document 6.3.8.1**). Annex A: Hintlesham Hall Assessment (**application document 6.3.8.2.1**) contains further details of the assessment on the effects of the setting on Hintlesham Hall.
- 4.3.4 There are 316 listed buildings within the ZTV that were anticipated to have a potential view of the entirety of the new pylons and a point down to their middle i.e. the top halves being potentially visible from the property. Of these buildings, 146 were identified as potentially more likely to be affected by changes to setting than others, given the following factors:
- Proximity to sections of the project within which above ground features such as the proposed 400kV overhead line would lie (i.e. within 250m of the Order Limits);
  - Listed buildings outside the 250m study area with exposure to less than half of the pylons were excluded from detailed assessment unless the photomontages (**application document 5.8**) or the viewpoint assessment in ES Appendix 6.4: Viewpoint Assessment

(**application document 6.3.6.4.1 to 6.3.6.4.7**) demanded consideration. This is because the magnitude of change to the setting of the listed buildings from the proposed 400kV overhead line would be extremely limited in scale;

- Excluding those buildings that lie within the centre of settlements and have no visual relationships with the surrounding area but have visual and historic ties to the other historic buildings within the urban centres and village cores, for instance like those within the middle of the conservation areas of Polstead and Hadleigh; and
- The results of the site inspections supporting the conclusions.

4.3.5 The secondary screening described in the bullets above, led to the screening out of 170 properties, as these were considered to have **neutral** effects, which are **not significant**. Table 4.2 presents the potential impacts on the setting of the remaining listed buildings that were identified as requiring detailed assessment. The distances are approximate to the LoD in terms of the construction of the above ground components i.e. the proposed 400kV overhead line, CSE compounds and the GSP substation.

**Table 4.2 – Effects on Setting of Listed Buildings During Operation**

<b>NHLE ID</b>	<b>Name</b>	<b>Value</b>	<b>Impacts Identified</b>	<b>Magnitude of Impact</b>	<b>Significance of Effect</b>
1351617	Fenn Farmhouse, Hadleigh Road, Burstall	High	Removal of 132kV overhead line 320m to the south of the property, and with which it has no intervisibility given its location relative to the project and intervening property.	No change	Neutral
1036933	Tudor Cottage, Elm Lane, Copdock	High	Removal of 132kV overhead line 2km to the north-west and addition of proposed 400kV overhead line 4.3km to the north-west. The proposed 400kV overhead line would potentially result in additional visual intrusion on the local skyline.  No project intervisibility given location within surrounding buildings, topography and a tall, hedged garden.	No change	Neutral
1193444	Old Mill Cottage / House, Lower Barn Road, Chattisham	High	Removal of 132kV overhead line 210m to the north-west of the property.  The removal of the overhead line would not change the setting of the property as there is mature vegetation screening between it and the overhead line.	No change	Neutral

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1036894	The Orchards, Cottisham Road, Cottisham	High	Removal of 132kV overhead line 1.4km to the north. Limited project intervisibility given vegetation screening.	No change	Neutral
1285727	Coles Green Farmhouse, Chattisham Road, Chattisham	High	Removal of 132kV overhead line 1.3km to the north. No project intervisibility given vegetation screening.	No change	Neutral
1036947	Mulberry Hall	High	Removal of 132kV overhead line 1.3km to the south-east and addition of proposed 400kV overhead line between 700m to 800m to the north-west. Limited project intervisibility given vegetation screening and intervening property.	No change	Neutral
1351618	Barn at White House Farm	High	Removal of 132kV overhead line 1.3km to the south-east and addition of proposed 400kV overhead line between 700m to 800m to the north-west. No project intervisibility given intervening property and vegetation.	No change	Neutral
1036949	Canes Farmhouse on Church Hill	High	Modification of existing 400kV overhead line 100m to the north-west and construction of proposed 400kV overhead line 210-310m to the east. There is some limited project intervisibility from the rear of the farmhouse, interrupted by some farm buildings and partial screening. There is considerable screening with property and vegetation in between the farmhouse and the proposed 400kV overhead line which blocks views in a straight line to the south. There would be additional visual intrusion between 220m and 32m to the south-east of the property which would be visible from the upper storey of the eastern end of the building. The distance to the proposed overhead line, whilst detracting from the property's setting, would be far enough away to avoid a significant effect. <b>Nearest viewpoint:</b> AB03.	Small adverse	Minor adverse



NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1036948	Church of St Mary	High	Removal of 132kV overhead line 1.5km to the south and addition of proposed 400kV overhead line between 500m to 600m to the north-west.  Limited project intervisibility given partial vegetation screening, but its prominent position in the landscape means that there would be some views of the proposed 400kV overhead line.	Small adverse	Minor adverse
1351619	Half Moon House (former public house on Church Hill, Burstall)	High	Removal of the 132kV overhead line 1.5km to the south and addition of proposed 400kV overhead line from 350m to 470m to the north-west of the property.  There is only very limited project intervisibility due to vegetation screening, topography and intervening property. The topography means that the construction of the overhead line would have little additional visual intrusion to the property when it is erected between 360 and 470m to the north-west.	Small adverse	Minor adverse
1351643	Hyntle Place, Hintlesham	High	Removal of 132kV overhead line 600m to the south of the property and addition of proposed 400kV overhead line 1.2km to the north-west.  Some intervisibility with the existing 132kV overhead line and none with the proposed 400kV overhead line.	Negligible beneficial	Neutral
1036951	Chattisham Place, Chattisham Road, Chattisham	High	Removal of 132kV overhead line 800m to the north-west and addition of proposed 400kV overhead line 2.5km to the north-west.  The property has only very limited project intervisibility owing to intervening vegetation screening and property.	No change	Neutral
1351621	Cartshed at Chattisham Place	High	Removal of 132kV overhead line 800m to the north-west and addition of proposed 400kV overhead line 2.5km to the north-west.  No intervisibility with the project given surrounding buildings.	No change	Neutral

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1351620	Church of All Saints and St Margaret, Chattisham Road, Chattisham	High	Removal of 132kV overhead line 800m to the north-west and addition of proposed 400kV overhead line 2.5km to the north-west.  There is no intervisibility with the proposed 400kV overhead line given the distance and local topography from the church's position within the village.	No change	Neutral
1036953	Dove's Cottage, Mill Lane, Chattisham	High	Removal of 132kV overhead line 110m to the north-west and addition of proposed 400kV overhead line between 1.7km to 1.8km to the north-west.  The property has only very limited project intervisibility owing to intervening vegetation screening.	No change	Neutral
1351622	The Old Rectory	High	Removal of 132kV overhead line 700m to the north-west and addition of proposed 400kV overhead line 2.3km to the north-west.  The property has only very limited project intervisibility owing to intervening vegetation screening and property.	No change	Neutral
1036914	The Old Post Office in Hintlesham	High	Removal of 132kV overhead line 500m to the south of the property and addition of the proposed 400kV overhead line 1km to the north-west of the property.  The property has no project intervisibility, given distance and topography. <b>Nearest viewpoint:</b> AB-22 (125m north-east of property)	No change	Neutral
1036954	Mill Farm Cottage	High	Adjacent to the project, the proposed 400kV overhead line would mark and encroachment on the property over and above the existing 400kV overhead line between 20m and 140m closer to the property.  Despite the added visual intrusion presented by the proposed 400kV overhead line, the already limited project intervisibility given intervening property and vegetation would filter some the intrusion and reduce the effect. <b>Nearest viewpoint:</b> AB04 (located 75m south-east of the cottage)	Small adverse	Minor adverse

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1036950	Burstall Hill Cottages on Church Hill	High	Modification of existing 400kV overhead line 100m to the east and construction of proposed 400kV overhead line 530m to 650m to the south-east, The proposed 400kV overhead line would be erected from approximately 300m to 420m to the south-east of the existing 400kV overhead line, and therefore the latter would be behind the existing line relative to the property. There would be additional visual intrusion on the skyline.	Small adverse	Minor adverse
1464995	Hintlesham War Memorial	High	Removal of 132kV overhead line 550m to 610m to the south of the asset in addition to the erection of the proposed 400kV overhead line between 930m and 1.3km to the north-west.  There is no project intervisibility from the memorial which occupies a discreet position adjacent to Hintlesham Church (1351644 below).	No change	Neutral
1351644	Church of St Nicholas at Hintlesham	High	Removal of 132kV overhead line 580m to 650m to the south of the asset, and the erection of the proposed 400kV overhead line between 890m and 990m to the north-west.  There is no intervisibility with the project given its location within Hintlesham village and intervening property and vegetation screening.	No change	Neutral
1193450	Chattisham Hall	High	This property is adjacent to the project and would benefit from the removal of the 132kV overhead line which at its nearest point is presently 370m to the north-west of the property. Its removal would remove visual intrusion from its setting and the proposed 400kV overhead line lies 2.3km to the north-west, which is out of sight, given distance and intervening vegetation and topography.  Given the position of the building (the property faces north-east) there is limited intervisibility with the project and the removal of the 132kV overhead line would remove a visual intrusion on the skyline 370m to the north-west. Construction of proposed 400kV overhead line is too distant from the property to affect it.  <b>Nearest viewpoint:</b> AB-06 (125m to the north-east)	Small beneficial	Minor beneficial

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1036915	Rose Cottage, Hintlesham	High	Removal of 132kV overhead line 635m to 700m to the south of the asset. The cottage lies in seclusion on the north side of the George Street (A1071) and has no project intervisibility.	No change	Neutral
1351645	Hintlesham Hall Lodge (Gatehouse adjacent to the gate piers described below)	High	The lodge has no intervisibility with the proposed 400kV overhead line and removal of the 132kV overhead line. The lodge lies adjacent to the Order Limits but there are no project-related above ground structures at this location during the operational phase.	No change	Neutral
1036916	Hintlesham Hall Gate Piers and adjacent wall	High	The lodge has no intervisibility with the proposed 400kV overhead line and removal of the 132kV overhead line. The structures lie within the Order Limits but there are no above ground project-related structures at this location during the operational phase.	No change	Neutral
1036917	Hintlesham Hall	High	There are only very limited views from a small part of the Hall to the project within which the proposed 400kV overhead line would be erected. There are none to the existing 132kV overhead line, though the existing overhead line is within the Hall's historic setting. There would be very limited additional visual intrusion on the Hall from the proposed 400kV overhead line, which would run along the same alignment as the existing 400kV overhead line to the north of the property.	Negligible adverse	Minor adverse

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1036918	Service ranges, stables, former coach house and brewhouse attached to Hintlesham Hall	High	<p>The change to the Hall's setting would relate to the addition of new infrastructure within the limits of the Hall's historic parkland. Hintlesham Park comprises most of the Hall's setting and contributes to its significance. However, the part of the Park through which the proposed overhead line would run has been heavily degraded and retains few of its historic parkland features. The Park has been partly eroded through loss of its historic landscape features such as tree avenues, with some of the land also having reverted to arable farmland. It therefore contributes much less to the setting of the Hall than the remaining parkland to the south and east.</p> <p>The addition of the proposed 400kV pylon would comprise little additional visual intrusion on to the buildings themselves, as shown on viewpoints AB20 and HV01. This is true even during the winter months when there is minimal vegetation screening. The change would occur in the historic setting of Hintlesham Park, which has been partly degraded from its original state.</p> <p><b>Nearest viewpoint:</b> AB-20 (located 110m south-west of the Hall)</p> <p>Historic service ranges to Hintlesham Hall would see the addition of the proposed 400kV overhead line erected between 330m and 430m to the north-west of it, and the removal of the existing 132kV overhead line 1.7km to the south-east. As with the Hall, the setting change to the buildings would relate more closely to the additional infrastructure within the historic parkland within which the asset is located.</p> <p>The setting of the ancillary buildings is defined by the Hall and the surrounding parkland, with the former parkland to the north making a minimal contribution to the building's setting.</p>	Negligible adverse	Minor adverse

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
			<p>Viewpoint HV01 indicates that the view from the north side of the buildings would not change. Change to the buildings would arise from the change in historic setting of Hintlesham Park rather than the additional visual intrusions to the skyline. This is represented in a winter landscape with minimal vegetation screening. The lack of visual impact can be taken together with the change to an area of the setting which makes a very low contribution to the asset's significance.</p> <p><b>Nearest viewpoint:</b> HV01 (located 20m to the north of the buildings)</p>		
1036912	Manor Farmhouse, Duke Street, Hintlesham	High	Removal of existing 132kV overhead line approximately 90m south of the property would remove a visual intrusion within the building's setting. The erection of the proposed 400kV overhead line 1.1km to 1.2km to the north-west of the property will occur in addition to the realignment of the existing 400kV overhead line to the north and west of Hintlesham Woods 1.8km to 1.9km to the north-west. The property is screened from these elements of the project from intervening vegetation and property.	Small beneficial	Minor beneficial
1193784	Park Farmhouse, Hintlesham	High	The property lies 130m to 230m north of the project where the 400kV overhead line is proposed. The addition of the 400kV overhead line would be visible from the property directly south of it, between 150m-260m away. The proposed 400kV overhead line would comprise additional visual intrusion on the skyline in relation to the property.	Small adverse	Minor adverse
1036919	College Farmhouse, Hintlesham	High	<p>The Farmhouse lies adjacent to the project between 120m to 300m south-east of the proposed 400kV overhead line.</p> <p>The additional visual intrusion of the proposed 400kV overhead line would occur to the rear of the property, which faces to the south, away from the project. Views from the rear of the property would be affected negatively given the addition of the proposed overhead line between 130m and 250m closer than the existing one.</p>	Small adverse	Minor adverse

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1036913	Wood Farmhouse, Hintlesham	High	<p>Removal of 132kV overhead line approximately 180m to the south of the property. The proximity to the existing 132kV overhead line would mean the removal of a source of visual intrusion to the property.</p> <p>The intervening vegetation between the property and the proposed 400kV overhead line between 700m to 800m to the north-west removes any impact to the house.</p>	Small beneficial	Minor beneficial
1193814	Hintlesham Priory, Priory Road, Hintlesham	High	<p>Modification to the existing 400kV overhead line and construction of the proposed 400kV overhead line between 1.25km to 1.4km to the south-east. The intervening vegetation and distance from the project would remove visual impacts.</p>	No change	Neutral
1286010	Norman's Farmhouse	High	<p>The property lies adjacent to the Order Limits. The Limits of Deviation lie 340m-440m south of the property and the modification of the existing 400kV overhead line (340m to the south of the house) and the construction of the proposed 400kV overhead line. There would be additional visual intrusion on the property's southern side, albeit with the proposed overhead line being erected behind the existing 400kV line which already intrudes into the house's setting.</p> <p><b>Nearest viewpoint:</b> AB-08 (located 190m north-west of the farmhouse)</p>	Small adverse	Minor adverse
1036920	The Old Hall House, Hintlesham	High	<p>Construction of proposed 400kV overhead line from 580m south east of the property, and the realignment of the existing 400kV overhead line which would be routed around the north of Hintlesham Woods, bringing the realigned overhead line between 200m to 300m nearer to the property.</p> <p>Viewpoint AB08 is close to the property but is not representative of the view from the house, which would see the proposed 400kV overhead line erected behind the existing 400kV overhead line, relative to the property. This additional visual intrusion would not be interrupted by any existing visual screening.</p>	Small adverse	Minor adverse

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1194559	Pond Hall, Pond Hall Farm, Hintlesham	High	Construction of proposed 400kV overhead line between 450m and 550m south of the property, and the realignment of the existing 400kV overhead line between 700m and 800m east of the farmhouse. The property is screened by intervening vegetation.  <b>Nearest viewpoint:</b> AB-14 (145m to the south-west of the house).	No change	Neutral effect
1036972	Timbers Cottage, The Street, Raydon	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. The property is set within the historic village of Raydon and has no intervisibility with the project.	No change	Neutral effect
1351629	Ruggs, The Street, Raydon	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. The property is set within the historic village of Raydon and has no intervisibility with the project.	No change	Neutral effect
1036970	The Post Office and Adjoining Premises	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. The property is set within the historic village of Raydon and has no intervisibility with the project.	No change	Neutral effect
1036971	Church Farmhouse, The Street, Raydon	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. The property is set within the historic village of Raydon and has no intervisibility with the project.	No change	Neutral effect
1466689	Raydon War Memorial, The Street, Raydon	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. The property is set within the historic village of Raydon and has no intervisibility with the project.	No change	Neutral effect
1286247	Church of St Mary, Upper Street, Raydon	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. The property is set within the historic village of Raydon and has no intervisibility with the project.	No change	Neutral effect



NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1036967	Valley House, Raydon	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. The property is just to the north of the historic village of Raydon and has no intervisibility with the project.	No change	Neutral effect
1193243	Ponds Farmhouse, Raydon	High	Removal of 132kV overhead line and construction of proposed 400kV overhead line 1.6km to the north. This property has no intervisibility with the project, due to the distance (1.6km at the nearest point), intervening property immediately to the north of the listed building and vegetation screening.	No change	Neutral effect
1037144	Marquis Cornwallis Inn, Upper Layham	High	Removal of 132kV overhead line and construction of proposed 400kV overhead line between 600m and 700m to the north of the property. This property has no intervisibility with the project given intervening property and vegetation screening.	No change	Neutral effect
1181839	Cottage Adjoining Marquis Cornwallis Inn, Upper Layham	High	Removal of 132kV overhead line and construction of proposed 400kV overhead line between 600m and 700m to the north of the property. This property has no intervisibility with the project given intervening property and vegetation screening.	No change	Neutral effect
1351594	Uplands House, Upper Layham	High	Removal of 132kV overhead line and construction of proposed 400kV overhead line between 420m to 520m to the north of the property. This property has no intervisibility with the project given intervening property and vegetation screening.	No change	Neutral effect
1037145	The Cottage, Upper Layham	High	Removal of 132kV overhead line and construction of proposed 400kV overhead line between 420m to 520m to the north of the property. This property has no intervisibility with the project given intervening property and vegetation screening.	No change	Neutral effect

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1194597	Outbuildings Including Granary of Benton End House to the south-east of the House	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. The buildings would have very limited intervisibility with the proposed 400kV overhead line, which lies between 320m and 430m to the south and the setting could not be changed given the granary lies discreetly behind Benton End House. <b>Nearest viewpoint:</b> C-10 (located 70 north-west of building)	No change	Neutral effect
1037137	Mill House, Layham Mill, Upper Layham	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. The Order Limits lie approximately 270m north-east of the mill building and there is no intervisibility with the project. There are some limited views 750m to the north-west from the mill, which result in limited additional visual intrusion. <b>Nearest viewpoint:</b> C-02 (150m north-west of the building).	Negligible adverse	Neutral effect
1194592	Benton End House, Hadleigh	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. There is very limited intervisibility with the project as the proposed 400kV overhead line lies between 320m and 430m to the south. <b>Nearest viewpoint:</b> C-10 (located 60m north-west of the property).	Negligible adverse	Neutral effect
1037138	Layham Watermill, Upper Layham	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. The Order Limits lie between 380m and 480m directly north of the mill building, though in this direct line there is no intervisibility with the project. There are some limited views 750m to the north-west from the mill where there would be distant views to the proposed overhead line. <b>Nearest viewpoint:</b> C-01 (located 130m to the north-west of the mill).	Negligible adverse	Neutral effect

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1036806	110-118 Benton Street, Hadleigh	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. There is limited project intervisibility arising from the proposed 400kV overhead line, which lies 835m to 935m to the south of the houses.	No change	Neutral effect
1351711	Barn of Priory Farm	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. This property is set well within the village of Hadleigh and has no intervisibility with the proposed 400kV overhead line.	No change	Neutral effect
1193833	The Manor, Hadleigh	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. This property is set within the village of Hadleigh and has no intervisibility with the proposed 400kV overhead line.	No change	Neutral effect
1036807	124 and 126, Benton Street	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. There is only very limited visibility of the project from the rear of the properties. The additional visual intrusion from the 400kV overhead line reinforces the existing 132kV overhead line, only with bigger pylons, so the change is minimal. This would result in only limited visual change to the building's setting.	Negligible adverse	Neutral effect
1036808	130-134, Benton Street	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. There is some visibility of the project from the rear of the house. The addition of the 400kV overhead line, lie 600m to 700m south of the property, would result in additional visual intrusion south of the house.	Small adverse	Minor adverse
1033382	Shelley Lodge, Shelley	High	Removal of 132kV overhead line and construction of proposed 400kV overhead line between 2.2km and 2.3km to the north-west and there is no project intervisibility.	No change	Neutral effect
1033383	Chapel House, Shelley	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line between 2.2km and 2.3km to the north-west. There is no intervisibility with the project from the hamlet of Shelley.	No change	Neutral effect

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1351980	Church Cottage, Shelley	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line between 2.2km and 2.3km to the north-west. There is no intervisibility with the project from the hamlet of Shelley.	No change	Neutral effect
1351959	Church of All Saints, Shelley	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line between 2.2km and 2.3km to the north-west. There is no intervisibility with the project from the hamlet of Shelley.	No change	Neutral effect
1037136	Church of St Andrew, Layham	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line.  The church lies 230m south of the Order Limits and has limited project intervisibility. The addition of the proposed 400kV overhead line would change the setting of the building, amounting to a small degree of visual intrusion.  <b>Nearest viewpoint:</b> C-04 (20m to the west of the church).	Negligible adverse	Neutral effect
1181837	Netherbury Hall, Lower Layham	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. Set within the south side of the village of Lower Layham, there is no intervisibility with the Order Limits and therefore no change to visual setting.  <b>Nearest viewpoint:</b> C-04 (80m to the north of the church).	No change	Neutral effect
1468467	Layham War Memorial	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line. The memorial is a small structure within the village and which has no intervisibility with the project.  <b>Nearest viewpoint:</b> C-04 (20m to the east of the memorial).	No change	Neutral effect

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1181827	The Queen's Head Inn, Lower Layham	High	Removal of 132kV overhead line and construction of proposed 400kV overhead line which would lie 500m to 600m north-west of the rear of the listed property. There is some visibility of the existing 400kV overhead line from the rear of the house, suggesting the proposed 400kV overhead line would be visible too. Construction of the proposed 400kV overhead line would introduce additional visual intrusion nearer the property, though this would be very limited. <b>Nearest viewpoint:</b> C-04 (150m to the north-east of the inn).	Negligible adverse	Minor adverse
1351553	The Dower House, Lower Layham	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line, which would lie 540m to 640m north-west of the front of the listed property. The property is nestled within Lower Layham village and would have no direct sight of the proposed 400kV overhead line. <b>Nearest viewpoint:</b> C-04 (175m to the north-east of the building).	No change	Neutral
1037143	Layham House Cottage, Lower Layham	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line, which would lie 510m to 610m north-west of the rear of the property. The addition of the proposed 400kV overhead line would not result in any additional visual intrusion on the property given the latter's limited visual envelope to the north. <b>Nearest viewpoint:</b> C-04 (170m to the north-east of the building).	No change	Neutral
1284805	Layham House, Upper Layham	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line, which would lie between 500m and 600m north-west of the rear of this listed property. Views to the north from the rear of the property are limited and the proposed 400kV overhead line would present limited additional intrusion. <b>Nearest viewpoint:</b> C-04 (195m to the north-east of the building).	No change	Neutral

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1181413	Layham Park, Hadleigh	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line, which would lie 260m to 360m to the south of the property. The proposed 400kV overhead line would be erected behind the existing 400kV overhead line, with the RB27 and RB28 pylons being located to the south-east and south-west of the property respectively. The construction of the proposed 400kV overhead line would amount to additional visual intrusion, similar to that demonstrated on viewpoint C01.	Small adverse	Minor adverse
1181812	Overbury Hall, Overbury Hall Road	High	Removal of 132kV overhead line and the construction of the proposed 400kV overhead line, 100m to 200m to the north-west of the property, would introduce visual intrusion in front of the existing 400kV overhead line. The nearest viewpoint is C03 which although not on the same angle as the view from the property demonstrates the proposed 400kV overhead line is only of limited visual intrusion over and above the existing baseline.	Small adverse	Minor adverse
1037141	Lots Farmhouse on Rand Road	High	Removal of 132kV overhead line and construction of proposed 400kV overhead line 230m to the north-west of the property would introduce visual intrusion in front of the existing 400kV overhead line.	Small adverse	Minor adverse
1037142	Rand's Farmhouse, Polstead Heath	High	Removal of 132kV overhead line and construction of proposed 400kV overhead line 550m to 650m north-west of the property. The visual intrusion of the proposed 400kV overhead line would take place behind the existing 400kV overhead line, relative to the property. The intervisibility between the property would be limited given local topography and the east-facing nature of the house.	Negligible adverse	Minor adverse
1284842	Valley Farmhouse, Rands Road, Polstead Heath	High	Removal of 132kV overhead line and construction of proposed 400kV overhead line between 10m and 125m to the south-east of the property. The property lies 50m to the south-east of the existing 400kV overhead line. The proposed overhead line would only be a small increase in pylon height compared to the 132kV overhead line that it would be replacing.	Small adverse	Minor adverse

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1033386	Shelley Priory, Shelley	High	Construction of the proposed 400kV overhead line between 1.4km and 1.5km north-west of the property, and the construction of the proposed Dedham Vale East CSE compound 1.4km to the north west. The introduction of the proposed 400kV overhead line would result in additional visual intrusion and take place in front of the existing 400kV overhead line, relative to the property's position.	Negligible adverse	Minor adverse
1033387	Sparrows Farmhouse	High	Removal of 132kV overhead line and construction of proposed 400kV overhead line 1.4km to 1.6km north-west of the property, and the construction of the proposed Dedham Vale East CSE compound 1.4km to the north west. There is no intervisibility between the property and the project.	No change	Neutral
1123273	Barn 50m west of Sparrows Farmhouse, Twinstead	High	Removal of existing 400kV overhead line 100m to the west and the existing 132kV overhead line 100m to the south would remove visual intrusion into the building's setting.	Small beneficial	Minor beneficial
1037139	Popes Green Farmhouse	High	The property lies adjacent to the Order Limits with the removal of the existing 132kV overhead line and construction of the proposed 400kV overhead line between 20m and 110m to the north-west of the house. In addition, the Dedham Vale East CSE compound would be located 500m to the south-west of the property. The proposed overhead line would only be a small increase in pylon height compared to the 132kV overhead line that it would be replacing.	Small adverse	Minor adverse
1037077	White Hall, Heath Road	High	Construction of proposed 400kV overhead line between 500m to 800m to the east of the property. Additionally, the CSE compounds would be erected 600m to the south-east of the property. The angle of the operational project in relation to the property would not result in any additional visual intrusion.	No change	Neutral

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1182360	Sprott's Farmhouse, Holt Road	High	<p>Construction of proposed 400kV overhead line and Dedham Vale East CSE compound approximately 1km to the north-east of the property. In addition, the project would comprise the removal of the existing 132kV overhead line 190m to the south of the building.</p> <p>The removal of the 132kV line to the south of the property would remove some limited intrusion on the property but this would be in historic rather than visual terms, as the property is set within mature vegetation with no intervisibility with the project.</p>	Small beneficial	Minor beneficial
1284554	Church of St Mary	High	<p>Construction of proposed 400kV overhead line 1.9km to the north-east of the property, and the removal of the existing 132kV overhead line 1km to the north. The intervening topography, distance and property would shield the church from any negative visual impacts.</p> <p><b>Nearest viewpoint:</b> E-08 (170m north-north-east of the church).</p>	No change	Neutral
1037049	Polstead Hall	High	<p>Construction of proposed 400kV overhead line 1.2km to the north-east of the property and the removal of the existing 132kV overhead line 820m to the north west of the house. The intervening topography, distance and property would shield the Hall from any negative visual impacts.</p> <p><b>Nearest viewpoint:</b> E-08 (150m to the north-east of the hall).</p>	No change	Neutral
1037082	High Trees Farmhouse, off Holt Road	High	<p>Construction of the proposed 400kV overhead line 1.5km to 1.7km to the east of the property, and the removal of the existing 132kV overhead line 680m to the south-east. The distance between the property and the proposed 400kV overhead line, together with intervening property and vegetation means there would be no visual impact.</p>	No change	Neutral



NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1182361	Granary to the north of High Trees Farmhouse	High	Construction of the proposed 400kV overhead line 1.5km to 1.7km to the east of the property, and the removal of the existing 132kV overhead line 720m to the south-east of the building. The distance between the property and the overhead line, together with intervening property and vegetation means there would be no visual impact.	No change	Neutral
1446966	Stables at High Trees Farm	High	Construction of the proposed 400kV overhead line 1.5km to 1.7km to the east of the property, and the removal of the existing 132kV overhead line 710m south-east of the buildings. The distance between the property and the overhead line, together with intervening property and vegetation means there would be no visual impact.	No change	Neutral
1446967	Threshing Barn at High Trees Farm	High	Construction of the proposed 400kV overhead line 1.5km to 1.7km to the east of the property , and the removal of the existing 132kV overhead line 710m south-east of the buildings. The distance between the property and the proposed overhead line, together with intervening property and vegetation means there would be no visual impact.	No change	Neutral
1182274	Nussteads, Nussteads Farm, north-west of Polstead	High	Construction of proposed 400kV overhead line 2.3km to the south-west and 2.5km to the north-east, which would not result in additional visual intrusion to the property given distance and angle. The removal of the existing 132kV overhead line 140m to the south-east of the property will take down visually intrusive modern infrastructure.	Small beneficial	Minor beneficial
1036599	Harrow Street Farmhouse, Harrow Street	High	Construction of proposed 400kV overhead line 800m to 900m to the north-west of the house, the construction of the Dedham Vale West CSE compound 870m to the north-west and the removal of the existing 132kV overhead line 780m to the north-west of the building. The property has no intervisibility with the project due to vegetation screening.	No change	Neutral

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1351807	Hare and Hounds Public House, Nayland Road, Leavenheath	High	The proposed 400kV overhead line closest to the property would lie 330m to 440m to the north-west of the property, which has no intervisibility with the project.  Similarly, there is no intervisibility with the area of the proposed construction of the Dedham Vale West CSE compound 600m to the north-east, nor the removal of the existing 132kV overhead line 400m north-west of the property.	No change	Neutral
1036695	Assington House, Assington	High	The proposed 400kV overhead line would lie 615m to 775m to the south-east of the property, which has limited intervisibility with the project. The proposed 400kV overhead line would be erected behind the existing 400kV overhead line, relative to the property. Dedham Vale West CSE compound would be erected 1km to the south-east.  <b>Nearest viewpoint:</b> F-05 (190m to the south-west of the house).	Negligible adverse	Minor adverse
1351737	Diljack's Farmhouse, Assington	High	The proposed 400kV overhead line closest to the property would lie 650m to 850m to the south of the property, which has very limited intervisibility with the project. The proposed Dedham Vale CSE compound 1.3km to the east would also be a new above-ground structure with the potential to create visual impacts. Vegetation screening would limit any negative visual intrusion from the proposed 400kV overhead line and the compound.  <b>Nearest viewpoint:</b> F-05 (150m to the south-east of the farmhouse).	Negligible adverse	Neutral
1036690	Shamrock Farmhouse, Assington	High	The proposed 400kV overhead line closest to the property would lie 280m to 520m to the south-east of the property, which has some intervisibility with the project from the rear of the property. The proposed 400kV overhead line would be erected behind the existing one, relative to the property.	Small adverse	Minor adverse

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1181511	Green's Farmhouse, Leavenheath	High	<p>The proposed 400kV overhead line closest to the property would lie 340m to 550m to the north of the property, which has some intervisibility with the project from the rear of the property. The proposed 400kV overhead line would create additional visual intrusion in front of the existing 400kV overhead line, relative to the property's location.</p> <p><b>Nearest viewpoint:</b> F-07 (200m to the south-east of the property).</p>	Small adverse	Minor adverse
1036691	Partridge Row, Assington	High	<p>The proposed 400kV overhead line closest to the property would lie 230m to 390m to the south of the property, which has some intervisibility with the project from the front of the property. The proposed 400kV overhead line would create additional visual intrusion behind the existing 400kV overhead line, relative to the property's location.</p> <p><b>Nearest viewpoint:</b> F-09 (located 170m north-west of the cottages).</p>	Small adverse	Minor adverse
1096028	Mill Farmhouse, Leavenheath	High	<p>The proposed 400kV overhead line lies 180m to 300m north of the listed property but the property has views more towards the north-west and west and therefore would have some sight of the proposed overhead line 280-470m to the north-west. The proposed overhead line would be an additional visual intrusion in front of the existing 400kV overhead line, relative to the property's location.</p>	Small adverse	Minor adverse
1036692	Cootes Cottage, Assington	High	<p>The proposed 400kV overhead line closest to the property would lie 277m to 375m to the south of the property, which has some intervisibility with the project to the west (670m to the west) through a gap in the hedge on the south side of Barracks Road. The proposed 400kV overhead line would create additional visual intrusion behind the existing 400kV overhead line, relative to the property's location.</p> <p><b>Nearest viewpoint:</b> F-09 (135m to the north-east of the property).</p>	Negligible adverse	Neutral

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1194037	Moor's Farmhouse	High	<p>The proposed 400kV overhead line closest to the property would lie 340m to 440m to the north of it but has limited intervisibility with the project. The proposed 400kV overhead line would create additional visual intrusion in front of the existing 400kV overhead line, relative to the property's location.</p> <p><b>Nearest viewpoint:</b> F-10 (located 90m to the north-east of the property).</p>	Small adverse	Minor adverse
1036734	Barn to the South of Moor's Farmhouse	High	<p>The proposed 400kV overhead line closest to the property would lie 340m to 440m to the north of it but has limited intervisibility with the project. The proposed 400kV overhead line would create additional visual intrusion in front of the existing 400kV overhead line, relative to the property's location.</p> <p><b>Nearest viewpoint:</b> F-10 (located 100m to the north-east of the property).</p>	Small adverse	Minor adverse
1351736	Kiln Cottage	High	<p>The proposed 400kV overhead line would be erected between 90m and 220m to the north of the property. The proposed overhead line would be erected in front of the existing 400kV overhead line, relative to the property's position. The proposed overhead line would intrude into the visual setting of the property.</p> <p><b>Nearest viewpoint:</b> F-22 (150m north-west of the cottage).</p>	Small adverse	Minor adverse
1036693	Dorking Tye Cottage	High	<p>The proposed 400kV overhead line would be erected between 240m and 370m to the north of the property. The proposed 400kV overhead line would be erected in front of the existing 400kV overhead line, relative to the property's position. The proposed overhead line would intrude into the visual setting of the property, which has only very limited intervisibility at this location. Stour Valley East CSE compound, approximately 1.3km to the west, would not intrude visually on the building.</p>	Small adverse	Minor adverse

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1036696	Dorking Tye House	High	The proposed 400kV overhead line would be erected between 210m and 340m to the north of the property. The proposed overhead line would be erected in front of the existing 400kV overhead line, relative to the property's position. The proposed overhead line would intrude into the visual setting of the property, which has only very limited intervisibility with this location from the rear of the property (with the front facing away from the project). The Stour Valley East CSE compound, approximately 1.3km to the west, would not intrude visually on the building.	Small adverse	Minor adverse
1351738	Barn to the north-west of Dorking Tye House	High	The proposed 400kV overhead line would be erected between 160m and 290m to the north of the property. The proposed overhead line would be erected in front of the existing 400kV overhead line, relative to the property's position. The proposed overhead line would intrude into the visual setting of the property. Stour Valley East CSE compound, approximately 1.2km to the west, would not intrude visually on the building. <b>Nearest viewpoint:</b> G-01 (200m to the west of the property).	Small adverse	Minor adverse
1036687	Sawyer's Farmhouse	High	The proposed 400kV overhead line would be erected between 290m and 450m to the south of the property and Stour Valley East CSE compound would be constructed 300m to the south. The proposed overhead line would be erected behind the existing 400kV overhead line, relative to the property's position. The proposed overhead line would intrude into the visual setting of the property.	Small adverse	Minor adverse
1036562	Stakers, Workhouse Green	High	The proposed 400kV overhead line would be erected between 800m and 900m to the south-east of the property, and the Stour Valley East CSE compound erected 730m to the southeast. The proposed overhead line and CSE compound would be erected behind the existing 400kV overhead line, relative to the property's position. The existing 132kV overhead line over 400m south of the property will be removed. There is no project intervisibility and no visual impacts will arise as a result of the proposed overhead line or CSE compound.	No change	Neutral

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
			Nearest viewpoint: G-25 (70m to the north-east).		
1351791	The Harwell, Workhouse Green	High	<p>The proposed 400kV overhead line would be erected approximately 900m to the south-east of the property, with the proposed Stour Valley East CSE compound 800m south-east of the building. The new overhead line would be erected behind the existing 400kV overhead line, relative to the property's position. The existing 132kV overhead line over 400m south of the property will be removed.</p> <p>The property would suffer minimal visual impacts given the local topography, which includes the large earthen bank on the south side of Spout Lane.</p>	Negligible adverse	Minor adverse
1036561	Spout Farmhouse, Workhouse Green	High	<p>The proposed 400kV overhead line between 1km and 1.2km to the south-east of the property, and construction of the Stour Valley East CSE compound, will see new above ground structures appear well behind the existing 400kV overhead line. The existing 132kV overhead line 450m to the south-east would be removed. The distance between the overhead line and the intervening vegetation screening reduces additional visual intrusion.</p>	Negligible adverse	Neutral
1036560	Village Hall, Workhouse Green	High	<p>Construction of the proposed 400kV overhead line between 1.1km and 1.3km to the south-east of the property, and construction of the Stour Valley East CSE compound 1.05km to the south-east. These will be well behind the existing 400kV overhead line, relative to the property. the removal of the existing 132kV overhead line 480m south of the house would not change the house's setting when taken together with the overhead line proposals. The distance between the overhead line and the intervening vegetation screening and property eliminate additional visual intrusion.</p>	No change	Neutral

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1351829	Pump Cottage, Workhouse Green	High	Construction of the proposed 400kV overhead line between 1.1km and 1.3km to the south-east of the property, and construction of the Stour Valley East CSE compound 1.06km to the south east. These will be well behind the existing 400kV overhead line relative to the property. The existing 132kV overhead line 470m south of the house will take place in the Stour Valley. The distance between the overhead line and the intervening vegetation screening and property would eliminate additional visual intrusion.	No change	Neutral
1166311	Lamarsh Hall Farmhouse	High	Construction of proposed 400kV overhead line 1.9km north-east of the property, and the removal of the existing 132kV overhead line 410m to the north of the property. The distance between the overhead line and the intervening vegetation screening and property eliminate additional visual intrusion.	No change	Neutral
1217125	Barn approximately 40m west of Lamarsh Hall Farmhouse	High	Construction of proposed 400kV overhead line 1.9km north-east of the property, and the removal of the existing 132kV overhead line 420m to the. The distance between the overhead line and the intervening vegetation screening and property eliminate additional visual intrusion.	No change	Neutral
1166331	Parish Church of the Holy Innocents, Henny Road	High	Construction of proposed 400kV overhead line 1.9km north-east of the property and removal of the existing 132kV overhead line 500m to the north of the church. The distance between the overhead line and the intervening vegetation screening and property eliminate additional visual intrusion.	No change	Neutral
1122859	The Cottage, Pitmire Lane, Lamarsh	High	Construction of proposed 400kV overhead line 1.8km east of the property and the removal of the existing 132kV overhead line 220m to the south of the cottage. The distance between the overhead line and the intervening vegetation screening and property eliminate additional visual intrusion for the new above-ground structures. <b>Nearest viewpoint:</b> G-03 (located 160m south-west of the property).	No change	Neutral

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1122856	Daws Hall, Henny Road	High	Construction of proposed 400kV overhead line 1.8km east of the property and the removal of the existing 132kV overhead line 180m to the south. The distance between the overhead line and the intervening vegetation screening and property eliminate additional visual intrusion.  <b>Nearest viewpoint:</b> G-03 (60m to the south of the house).	No change	Neutral
1122876	Caldecott, Alphamstone	High	Removal of existing 400kV overhead line 880m to the west of the property, the construction of the Stour Valley West CSE compound 800m to the south-west, and the removal of the existing 132kV overhead line 900m to the north of the property. The distance between the house and the project, with the intervening vegetation screening and property eliminate additional visual intrusion.	No change	Neutral
1122871	Ashdown Cottage approximately 220m north-west of King's Farmhouse, Alphamstone	High	Removal of existing 400kV overhead line 880m to the east of the property, and the construction of the Stour Valley West CSE compound 900m east of the cottage. The distance between the overhead line and the intervening vegetation screening and property eliminate additional visual intrusion.	No change	Neutral
1338085	Serpentine Wall extending eastwards from Kings Farmhouse in Alphamstone	High	Removal of existing 400kV overhead line 880m to the east of the property, and the construction of the Stour Valley West CSE compound 900m to the north-east. The distance between the overhead line and the intervening vegetation screening and property eliminate additional visual intrusion.	No change	Neutral
1122869	King's Farmhouse in Alphamstone	High	Removal of existing 400kV overhead line 880m to the east of the property, together with the construction of the Stour Valley West CSE compound 900m to the north east. The distance between the overhead line and the intervening vegetation screening and property eliminate additional visual intrusion.	No change	Neutral



NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1122870	The Pump 4m South East of King's Farmhouse in Alphamstone	High	As per King's Farmhouse (NHLE 1122869) above.	No change	Neutral
1122865	Parish Church of St Barnabas, Alphamstone	High	Removal of existing 400kV overhead line 820m to the west of the property. In addition, the Stour Valley West CSE compound would be present over 770m to the south-west. The distance between the overhead line and the intervening vegetation screening and property eliminate additional visual intrusion. <b>Nearest viewpoint:</b> G-23 (85m to the south of the church).	No change	Neutral
1217050	K6 telephone kiosk outside St Barnabas Church above, in Alphamstone	High	Removal of existing 400kV overhead line 880m to the west of the property. In addition, the Stour Valley West CSE compound would be present over 770m to the south-west. The distance between the overhead line and the intervening vegetation screening and property eliminate additional visual intrusion. <b>Nearest viewpoint:</b> G-23 (located 115m south of the box).	No change	Neutral
1122875	The Manor House, Alphamstone	High	Removal of existing 400kV overhead line 880m to the west of the property. In addition, the Stour Valley West CSE compound would be approximately 830m to the south-west. The distance between the overhead line and the intervening vegetation screening and property eliminate additional visual intrusion. <b>Nearest viewpoint:</b> G-23 (located 140m south of the property).	No change	Neutral
1309041	Little Fairing, Alphamstone	High	Removal of existing 400kV overhead line 880m to the west of the property. In addition, the Stour Valley West CSE compound would be approximately 830m to the south-west. The distance between the overhead line and the intervening vegetation screening and property eliminate additional visual intrusion. <b>Nearest viewpoint:</b> G-23 (170m south-west of the house).	No change	Neutral

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1122877	Heyes, Alphamstone	High	Removal of existing 400kV overhead line 880m to the west of the property. In addition, the Stour Valley West CSE compound would be approximately 540m to the south-west of the property. The distance between the overhead line and the intervening vegetation screening and property eliminate additional visual intrusion. <b>Nearest viewpoint:</b> G-23 (190m east of the property).	No change	Neutral
1166127	The Old Rectory, Alphamstone	High	Removal of existing 400kV overhead line 880m to the west of the property and the Stour Valley West CSE compound would be over 500m to the south-west. The distance between the overhead line and the intervening vegetation screening and property eliminate additional visual intrusion.	No change	Neutral
1337885	Sparrows Farmhouse	High	Removal of existing 400kV overhead line 150m to the west of the property and the existing 132kV overhead line 120m to the south would result in the removal of visual intrusion into the building's setting.	Small beneficial	Minor beneficial
1306346	Cottage 20m east of Sparrows Farmhouse	High	Removal of existing 400kV overhead line 130m to the west of the property and the existing 132kV overhead line 120m to the south of the cottage would removal would result in the removal of visual intrusion into the building's setting.	Small beneficial	Minor beneficial
1122866	Abbot's Farmhouse	High	The creation of a permanent access route 130m north and north-east of the house would have limited visual impact on the property as it would be at ground level. The removal of the existing 400kV overhead line 100m to the east would remove visual intrusion into the property's setting. The presence of the Stour Valley West CSE compound over 400m to the north-east would not be visible from the house. Nearest viewpoint: G-07 (45m to the north-west of the house).	Small beneficial	Minor beneficial
1146556	Scott's Cottage, Pebmarsh	High	Modification of existing 400kV overhead line 2km to the north and removal of the existing 400kV overhead line approximately 1.2km to the east, together with the construction of the Stour Valley West CSE compound. The existing 132kV overhead line 1.2km to the north-west would also be modified.	No change	Neutral

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
			There is no intervisibility with the project described above and therefore the asset's setting will not change in visual terms.		
1122878	Tudor Cottage, Pebmarsh	High	<p>Modification of existing 400kV overhead line 2.2km to the north and removal of the existing 400kV overhead line approximately 1.2km to the east, together with the construction of the Stour Valley West CSE compound. The existing 132kV overhead line 1.2km to the north-west would also be modified.</p> <p>There is no intervisibility with the project described above and therefore the asset's setting will not change in visual terms.</p>	No change	Neutral
1338103	Hope Cottage, Pebmarsh	High	<p>Modification of existing 400kV overhead line 2.1km to the north and removal of the existing 400kV overhead line approximately 1.3km to the east, together with the construction of the Stour Valley West CSE compound. The existing 132kV overhead line 1.2km to the north-west would also be modified.</p> <p>There is no intervisibility with the project described above and therefore the asset's setting will not change in visual terms.</p>	No change	Neutral
1122820	Collins Farmhouse, Pebmarsh	High	<p>Modification of existing 400kV overhead line 2.2km to the north and removal of the existing 400kV overhead line approximately 2.7km to the east, together with the construction of the Stour Valley West CSE compound. The existing 132kV overhead line 1.5km to the north-west would be modified.</p> <p>There is no intervisibility with the project described above and therefore the asset's setting will not change in visual terms.</p>	No change	Neutral

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1122821	Barn approximately 25m north of Dagworth Manor (see below) at Pebworth	High	<p>Modification of existing 400kV overhead line 2.3km to the north and removal of the existing 400kV overhead line approximately 2.3km to the east. The existing 132kV overhead line 1.8km to the north-west would be modified.</p> <p>There is no intervisibility with the project described above and therefore the asset's setting will not change in visual terms.</p>	No change	Neutral
1338099	Dagworth Manor	High	<p>Modification of existing 400kV overhead line 2.3km to the north and removal of the existing 400kV overhead line approximately 2.3km to the east. The existing 132kV overhead line 1.8km to the north-west would be modified.</p> <p>There is no intervisibility with the project described above and therefore the asset's setting will not change in visual terms.</p>	No change	Neutral
1122824	Magnolia House, Pebmarsh	High	<p>Modification of existing 400kV overhead line 2.3km to the north and removal of the existing 400kV overhead line approximately 2km to the east. The existing 132kV overhead line 1.5km to the north-west would be modified.</p> <p>There is no intervisibility with the project described above and therefore the asset's setting will not change in visual terms.</p>	No change	Neutral
1123272	Charity Cottage	High	<p>Modification of existing 400kV overhead line 2km to the north and modification of the existing 132kV overhead line 1.8km to the north-west of the property. The existing 400kV overhead line will be removed approximately 1.3km to the east.</p> <p>There is no intervisibility with the project described above and therefore the asset's setting will not change in visual terms.</p>	No change	Neutral

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1123031	Nether House Farmhouse	High	<p>Modification of existing 400kV overhead line between 490m to 580m to the north would not result in any additional visual intrusion over the existing baseline, nor would the modification of the existing 132kV overhead line 200m to the south of the property. Reinforcement of existing PCB98 pylon 350m south-east of the farmhouse with new CSE platform pylon which is larger in scale than the existing. The proposed permanent access 280m to the east of the property would be installed to connect Old Road with the proposed GSP substation approximately 700m north-east.</p> <p>Given the limited project intervisibility and the proposed CSE platform pylon on the site of the existing pylon, there would be no additional unsympathetic addition to the building's setting. The permanent access would be at ground level and therefore of very limited visual impact.</p>	Negligible adverse	Minor adverse
1306791	Netherby and Adjoining Cottage	High	The modification of the existing overhead line would not result in any additional visual intrusion to the property which lies 90m to 135m south.	No change	Neutral
1123026	Gallants Farmhouse on Cock Corner	High	Modification of existing 400kV overhead line 2.5km to the north and modification of the existing 132kV overhead line 1.6km to the north-west. The intervening vegetation screening and topography result in no intervisibility with the project.	No change	Neutral
1168644	Mosses Farmhouse on Cock Road	High	Modification of existing 400kV overhead line 2.5km to the north and the 132kV overhead line 1.5km north. The intervening vegetation screening, property and topography result in no intervisibility with the project.	No change	Neutral
1337978	Mosses Farm Barn approximately 20m west of the house on Cock Road	High	Modification of existing 400kV overhead line 2.5km to the north and the 132kV overhead line 1.5km north. The intervening vegetation screening, property and topography result in no intervisibility with the project.	No change	Neutral

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1168656	Broomhill Cottage on Cock Road	High	Modification of existing 400kV overhead line 2.6km to the north and the 132kV overhead line 1.5km north. The intervening vegetation screening, property and topography result in no intervisibility with the project.	No change	Neutral
1123029	Bricks Farm Barn just to the south of the junction of Pebmarsh Road and the A131	High	Modification of existing 400kV overhead line 3.1km to the north and the 132kV overhead line 2km north. The intervening vegetation screening, property and topography result in no intervisibility with the project.	No change	Neutral
1122286	Parks Farm, off Cock Road	High	Modification of the existing 132kV and 400kV overhead lines 1km and 2km north-east of the property, respectively.  The project will not result in any additional visual changes to the farm's setting and will therefore not result in changes to the asset.	No change	Neutral
1168806	Bricks Farm Cottage	High	Modification of existing 132kV and 400kV overhead lines 2.1km and 3.1km to the north, respectively. The intervening vegetation screening, property and topography result in no intervisibility with the project.	No change	Neutral
1168844	Bricks Farm Cart Lodge adjoining the listed barn above	High	Modification of existing 132kV and 400kV overhead lines 2.1km and 3.1km to the north, respectively. The intervening vegetation screening, property and topography result in no intervisibility with the project.	No change	Neutral
1168870	Church of All Saints, Church Road, Wickham St Paul	High	Pylon modification 170m south-east of the church would have no additional visual impact to the church's setting over and above the existing situation.	No change	Neutral

NHLE ID	Name	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
1338001	Wickham Hall behind the Church of All Saints (above)	High	Pylon modification 200m south-east of the church would have limited additional visual impact to the church's setting.	No change	Neutral

## 4.4 Non-Designated Historic Buildings

### Construction

4.4.1 There are two non-designated structures within the HER datasets which lie within the Order Limits and are in close proximity to one another within the floodplain of the River Stour. The structures are a Second World War pillbox (MSF26067) on Spout Lane and the Stour Valley Railway Line (MSF35002). Undergrounded cables are proposed at these locations with trenchless crossings beneath the River Stour and the railway line. The Noise and Vibration assessment (**application document 6.2.14**) and Groundwater Assessment (**application document 6.3.10.2**) have not identified any impacts that would result in the structural integrity of these assets being degraded in any way. There would therefore be no visual changes from the trenchless crossings on these assets, and therefore this would have a **neutral** effect, which is **not significant**.

### Operation

4.4.2 The results of the setting assessment on non-designated historic buildings during operation are presented in Table 4.3.

Table 4.3 – Non-Designated Historic Buildings Within 250m During Operation

HER Reference	Name and Description	Value	Potential Impacts	Magnitude of Impact	Significance of Effect
MSF26067	Pillbox, Spout Lane - rectangular pillbox built into side of sunken lane	Low	New 400kV underground cable would be installed below (trenchless crossing) the structure and the proposed 400kV overhead line would lie 300m to the east of the asset. The setting does not contribute much to asset value and there is limited intervisibility with the overhead line.	No change	Neutral

HER Reference	Name and Description	Value	Potential Impacts	Magnitude of Impact	Significance of Effect
MSF35002	Stour Valley Railway Line (Great Eastern Railway)	Low	New 400kV underground cable would be installed below (trenchless crossing) the structure and the proposed 400kV overhead line would lie 700m to the east of the asset. The setting does not contribute much to asset value and there is limited intervisibility with the overhead line.	No change	Neutral
MEX1034883	Pillbox, Edgars Farm, Lamarsh - concrete pillbox dating to World War II	Low	New 400kV underground cable would be installed below (trenchless crossing) the River Stour 170m to 410m to the north-west of the pillbox. The proposed 400kV overhead line would lie 440m to 640m to the east of the asset. The setting does not contribute much to asset value and there is limited intervisibility with the overhead line. The setting does not contribute much to asset value and there is limited intervisibility with the overhead line.	No change	Neutral
MEX1034884	Pillbox, Edgars Farm, Lamarsh - concrete pillbox dating to World War II	Low	Construction of proposed 400kV overhead line 600m to 800m to the north. The setting does not contribute much to asset value and there is limited intervisibility with the overhead line.	No change	Neutral
MEX1035629	Historic cast iron water pump north-west of Cripple Corner, Pebmarsh	Low	The pump has no intervisibility with the overhead line or other above ground structures, being a small structure in a roadside setting and the operational project has no above-ground visual components in this area.	No change	Neutral



# 5. Historic Landscapes

## 5.1 Introduction

- 5.1.1 This chapter assesses the potential significant effects to the historic landscape character units, non-designated historic lanes (Suffolk), Protected Lanes (Essex) and important hedgerows. The individual landscape elements such as historic lanes, Protected Lanes or important hedgerows are landscape assets in terms of being surviving historic landscape signatures that make a contribution to the overall heritage value of the local environments where they are located.

## 5.2 Designations

- 5.2.1 There are two registered historic parks and gardens within the 3km study area; Chantry Park lies 2.6km east of the Order Limits on the outskirts of Ipswich, and Tendring Hall Park is located in Stoke-by-Nayland 2.6km south of the Order Limits. Both designations are Grade II listed. Given distance, topography and intervening vegetation screening, there is no project intervisibility from either designation. Both during construction and operation there would be no change to these designations in terms of visual setting. Chantry Park would benefit from the removal of the 132kV overhead line at Hintlesham in terms of historic setting. The removal of the overhead line from the landscape would restore the appearance of the historic landscape to a small degree, amounting to a small beneficial impact. This would result in a **minor beneficial** effect, which is **not significant**.

## 5.3 Historic Landscape Characterisation

- 5.3.1 The Historic Landscape Characterisation (HLC) study is a modern classification of historic and modern usage of land, chiefly based on the study of historic maps and the available archaeological datasets. The resulting GIS polygons with land use characterisation data are representative of landscape change through time. These characterisations have been reproduced in the ES Appendix 8.1 Annex A: Historic Environment Gazetteer (**application document 6.3.8.1.1**) along with their distance to the project.
- 5.3.2 There are 124 HLC present within the Order Limits in Suffolk and 98 in Essex. Given that they are areas of broad characterisation means that they have been attributed a low value, with the exception of the ancient woodland which has a medium value.

### Construction

- 5.3.3 During construction, the removal of the 132kV overhead line and construction of the proposed 400kV overhead line and the temporary works associated with these such as the creation of temporary access routes and the temporary, would result in small-scale removal of

some stretches of hedgerow, which would be reinstated. This would be temporarily detrimental to the historic landscape character units in terms of visual change. The scale of these changes within the historic landscape must be seen as relevant not just for the portions of HLC unit that lie within the Order Limits but those that lie outside too, as the areas of classification extend out into the wider study area. There would be a small scale (negligible) magnitude of impact in terms of the areas where new overhead line would be erected, resulting in a **neutral** effect, which is **not significant**.

- 5.3.4 The construction of the underground cables would be potentially more disruptive on the historic landscape, particularly where opencut methods are proposed. A small adverse impact would result in a temporary **minor adverse** effect in these areas, which is **not significant**. The trenchless crossings would not affect the historic landscape adversely given the very limited, small-scale work involved. The effect from this would be **neutral**, which is **not significant**.

## Operation

- 5.3.5 During operation, the historic landscape units would benefit from the removal (without replacement) of the existing 132kV overhead line at the eastern end, and from locations where the underground cable would replace the existing 132kV overhead line. This is because it would result in the removal of modern overhead visual infrastructure within the local landscape. In these sections of the project there would be a small beneficial impact on the historic landscape and a **minor beneficial** effect, which is **not significant**.
- 5.3.6 In the sections of the project which would see the addition of the proposed 400kV overhead line, the additional modern infrastructure within the historic landscape would detract from the HLC units, given that the proposed 400kV overhead line would be larger in scale than the existing 132kV line which it would be replacing. This would therefore amount to a small adverse impact and a **minor** adverse effect, which is **not significant**.

## 5.4 Historic Lanes (Suffolk)

### Construction

- 5.4.1 There are 12 historic lanes in Suffolk which could be affected by the project's temporary and permanent works. The impact assessment is presented in Table 5.1 and assumes that the good practice measure H05 in the CoCP (**application document 7.5.1**) to restore the earthworks and hedgerows associated with the lanes is applied before assigning significance of an effect. The restoration work would occur at the end of the construction phase. The impact assessment presented in Table 5.1 is split into underground cables, where an opencut ducted solution would be used to cross the lane, requiring excavation of the verges. The other category is temporary access, which covers lanes that may have a temporary bellmouth installed on the lane and the potential for use by construction vehicles.

Table 5.1 – Impact Assessment on Historic Lanes (Suffolk) During Construction

Name and Description	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
<b>Underground Cables and Temporary Access</b>				
Heath Road, Polstead Heath	Medium	Installation of the underground cables and installation of bellmouths (D-DAP2A, D-DAP3, D-AP6 and D-AP7) to access the Order Limits. Impacts amount to partial removal of historic hedgerow and potential impacts to historic bank and ditch either side of the lane.	Medium adverse	Minor adverse
Holt Road, Polstead Heath	Medium	Installation of the underground cables and installation of bellmouths (D-AP8, E-AP1 and E-DAP1) to access the Order Limits comprising removal of historic hedgerow and potential removal of earthworks either side of the road.	Medium adverse	Minor adverse
Calais Street, Whitestreet Green	Medium	Installation of the underground cables and installation of bellmouths (E-AP4, E-AP5, E-DAP2 and E-DAP3) to access the Order Limits comprising removal of historic hedgerow and potential removal of earthworks either side of the road.	Medium adverse	Minor adverse
Stoke Road (B1068) Leavenheath	Medium	Installation of the underground cables and installation of bellmouths (E-DAP5, E-DAP4, EAP7, F-AP1 and F-AP4) to access the Order Limits comprising removal of historic hedgerow and potential removal of earthworks either side of the road.	Medium adverse	Minor adverse
St Edmunds Hill, west of Dorking Tye	Medium	Installation of the underground cables and installation of bellmouths (F-DAP2, F-AP5, F-AP6 and F-AP7) to access the Order Limits comprising removal of historic hedgerow and potential removal of earthworks either side of the road.	Medium adverse	Minor adverse
<b>Temporary Access Only</b>				
Clay Lane, Hadleigh	Medium	Installation of bellmouths (AB-AP15, AB-AP16 and AB-DAP10) onto the lane, which would result in potential impacts to historic hedges and its roadside ditch. Increased traffic (and noise) along road during construction.	Medium adverse	Minor adverse

Name and Description	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
Overbury Hall Road, Upper Layham	Medium	Installation of bellmouths (C-AP4, C-AP4, C-AP5 and D-AP1) onto the lane, which would result in potential impacts to historic hedges and its roadside banks. Increased traffic (and noise) along road during construction.	Medium adverse	Minor adverse
Rands Road, Layham	Medium	Installation of a bellmouth (D-DAP1) onto the lane, which would result in potential impacts to historic hedges and its roadside banks. Increased traffic (and noise) along road during construction.	Medium adverse	Minor adverse
Millwood Road, Polstead Heath	Medium	Installation of bellmouths (D-EAP1, D-DAP2, D-AP3 and D-AP4) onto the lane, which would result in potential impacts to historic hedges and its roadside banks. Increased traffic (and noise) along road during construction.	Medium adverse	Minor adverse
High Road, Assington	Medium	Installation of bellmouths (F-DAP3, F-AP8 and F-AP9) onto the lane, which would result in potential impacts to historic hedges and its roadside banks. Increased traffic (and noise) along road during construction.	Medium adverse	Minor adverse
Smallbridge Entry, Assington	Medium	Installation of a new bellmouth (F-AP11) onto the lane, which would result in potential impacts to historic hedges and its roadside banks. Increased traffic (and noise) along road during construction.	Medium adverse	Minor adverse
Upper Road/ Barracks Road, Dorking Tye	Medium	Installation of a new bellmouth (F-AP12, F-DAP5, F-AP13, G-AP1, G-AP2 and F-AP14) onto the lane, which would result in potential impacts to historic hedges and its roadside banks. Increased traffic (and noise) along road during construction.	Medium adverse	Minor adverse

## Operation

- 5.4.2 No effects are anticipated to historic lanes during operation from routine maintenance activities. This is because the operational traffic movements (and noise and vibration associated with these) would be very low as described in the Transport Assessment (**application document 5.7**). The historic lanes have a setting, which is the surrounding rural landscape with its assorted historic settlements. They are also integral as elements within the historic landscape. The introduction of the proposed 400kV overhead line would represent an

additional piece of infrastructure within the historic setting of the lanes, amounting to a small adverse impact, resulting in a **minor adverse** effect, which is **not significant**.

## 5.5 Protected Lanes (Essex)

### Construction

5.5.1 Protected Lanes are afforded protected status under the local planning regime in Essex. The impact assessment is presented in Table 5.2 and assumes that the good practice measures GG07 and H05 in the CoCP (**application document 7.5.1**) to restore the earthworks and hedgerows associated with the lanes is applied before assigning significance of an effect. The restoration work would occur at the end of the construction phase. The impact assessment presented in Table 5.2 is split into two categories: underground cables, where an open-cut ducted solution would be used to cross the lane, requiring excavation of the verges; and temporary access only, which covers lanes that may have a temporary bellmouth installed on the lane and the potential for use by construction vehicles. Protected Lanes are of medium value, with a medium adverse impact predicted, resulting in a **minor adverse** effect, which is **not significant**.

Table 5.2 – Impact Assessment on Protected Lanes (Essex) During Construction

Reference	Name and Description	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
<b>Underground Cables and Temporary Access</b>					
BTELANE86	Henny Back Road / Ansell's Farm Road	Medium	Construction activity includes topsoil strip, temporary access route installation, bellmouths (G-AP11, H-AP10, H-AP11 and G-AP12) and excavation of cable trenches. This could lead to the loss of historic earthworks, hedgerows and temporary severance of the historic linear feature.	Medium adverse	Minor adverse
BTELANE87	Moat Lane	Medium	Construction activity includes topsoil strip, temporary access route installation, bellmouths (G-AP7 and G-AP8) and excavation of cable trenches. This could lead to the loss of historic earthworks, hedgerows and temporary severance of the historic linear feature.	Medium adverse	Minor adverse

Reference	Name and Description	Value	Impacts Identified	Magnitude of Impact	Significance of Effect
<b>Temporary Access Only</b>					
BTELANE85	Lorkin's Lane	Medium	Routing of temporary access route would potentially remove historic earthworks and hedgerow 480m north-east of Cripple Corner, and severance of the historic linear feature.	Medium adverse	Minor adverse
BTELANE81	Loshouse Farm Road, Great Henny	Medium	Routing of temporary access from two points on the west side of the road (G-AP13 and G-AP9) needing partial removal of historic banks.	Medium adverse	Minor adverse
BTELANE78	Clay Hill, Great Henny / Gentry's Farm Road	Medium	Installation of a new bellmouth onto the lane, which would result in potential impacts to historic hedges and its roadside banks. Increased traffic (and noise) along road during construction.	Medium adverse	Minor adverse
BTELANE83	Twinstead Road	Medium	Installation of a new bellmouth onto the lane, which would result in potential impacts to historic hedges and its roadside banks. Increased traffic (and noise) along road during construction.	Medium adverse	Minor adverse
BTELANE84	Old Road	Medium	Installation of new bellmouths (H-AP3, H-AP4, H-AP5 and H-AP6) onto the lane, which would result in potential impacts to historic hedges and its roadside banks. Increased traffic (and noise) along road during construction.	Medium adverse	Minor adverse

## Operation

- 5.5.2 No effects are anticipated to Protected Lanes during operation from routine maintenance activities. This is because the operational traffic movements (and noise and vibration associated with these) would be very low as described in the Transport Assessment (**application document 5.7**). The Protected Lanes have a setting, which is the surrounding rural landscape with its assorted historic settlements. They are also integral as elements within the historic landscape. The undergrounded cable would not detract from their setting in historic or visual terms. There would therefore be no change to the Protected Lanes and a **neutral** effect, which is **not significant**.

## 5.6 Important Hedgerows

### Construction

- 5.6.1 National Grid has committed to restoring any landscape feature requiring removal during construction. Good practice measure GG07 in the CoCP (**application document 7.5.1**) states that *'hedgerows...(including associated earthworks and boundary features) will be reinstated to a similar style and quality to those that were removed'* should temporary removal be required during construction.
- 5.6.2 Historically important hedgerows are material considerations under legislation. ES Appendix 7.5: Important Hedgerows Assessment (**application document 6.3.7.5**) contains the hedgerow assessment (including for the archaeological and historic criteria). The important hedgerows are shown on ES Figure 7.5.1 (**application document 6.4**). There are a number of hedgerows which meet the archaeology and historic criteria, indicating the degree to which the historic landscape character survives within the study area.
- 5.6.3 A number of the historic hedgerows within the Order Limits would be affected by construction activity. This would include creating gaps of up to 60m in the underground cable sections, gaps of 20m where the proposed 400kV overhead lines need to be installed and 5m gaps along the route of the temporary and permanent access routes. Further details on the impacts to hedgerows can be found in ES Chapter 4: Project Description (**application document 6.2.4**) and on the Trees and Hedgerows to be Removed or Managed Plans (**application document 2.9**). In general, affected hedgerows would be coppiced to ground level and then allowed to grow back or be reinstated following construction. The exception is in the cable sections where the hedgerow in the gaps would be removed and replanted at the end of construction. Further details on hedgerow removal and reinstatement can be found in the Landscape and Ecological Management Plan (**application document 7.8**). The temporary loss of small sections of hedgerows during construction would amount to a medium adverse impact on assets of low value. This would result in a temporary **minor adverse** effect, which is **not significant**.

### Operation

- 5.6.4 Three important hedgerows would be permanently affected by the construction phase as the permanent infrastructure would mean no embedded or good practice measure can be applied for reinstatement. The three important hedgerows are:
- H-D-07 – Permanent gap in hedgerow for the permanent access route to Dedham Vale East CSE compound;
  - H-G-17 – Permanent gap in hedgerow for the permanent access route to Stour Valley West CSE compound; and
  - H-H-23 – Permanent gap in hedgerow for the proposed access route for the GSP substation.

- 5.6.5 The gaps in the historically important hedgerows would constitute partial removal only and represent small adverse impact on an asset of low value. This would result in a **minor adverse** effect, which is **not significant**.



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