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Executive summary

This Detailed Written Scheme of Investigation (DWSI) sets out the archaeological mitigation requirements for mitigation areas 102a–102d and 146: Bramford Substation to East Anglia Connection Node (EACN) Substation underground cable section), located east of Woodlands Road, Raydon, Suffolk (**Figure 1**), as part of the Norwich to Tilbury Project. The scope of the archaeological mitigation works comprises five areas of detailed archaeological excavation.

The Project involves reinforcement of the electricity transmission network to support the connection of new low-carbon energy generation. As construction has the potential to impact buried archaeological remains, which are a finite and non-renewable resource, a programme of archaeological mitigation is required in line with the Outline Archaeological Mitigation Strategy and Outline Written Scheme of Investigation (~~AMS~~SOAMS-OWSI) (document reference 7.5).

The approach set out in this document has been informed by previous geophysical survey and trial trenching, which identified evidence for multi-period activity across the site. This includes limited prehistoric remains, Romano-British agricultural features and possible settlement activity, medieval features, and modern remains associated with RAF Raydon airfield.

The key objectives are to establish the character, extent and chronology of archaeological activity within the site, and to place the results within their wider local and regional context, including contributing to the East of England Research Framework.

All works will be undertaken in accordance with the ~~AMS~~SOAMS-OWSI and relevant professional standards, including those set out by the Chartered Institute for Archaeologists, Historic England and Suffolk County Council Archaeological Service. Post-excavation assessment, reporting and archiving will ensure that the results are appropriately analysed and disseminated.

Health, safety and environmental considerations will be embedded throughout all stages of the archaeological works.

1. Introduction

1.1 Statement of Works Required

- 1.1.1 This document sets out the requirement for archaeological mitigation east of Woodlands Road, Raydon, Suffolk. This comprises mitigation areas 102a, 102b, 102c, 102d, and 146: Bramford to East Anglia Connection Node underground cable (EACN UGC). Hereafter, these archaeological mitigation areas will be collectively referred to as the site and individually as mitigation area 'ID number'. The scope of the archaeological mitigation works comprises five areas of detailed archaeological excavation.
- 1.1.2 This document should be read in conjunction with the Outline Archaeological Mitigation Strategy and Outline Written Scheme of Investigation (~~AMS-OWSI~~[OAMS-OWSI](#)) (document reference 7.5) (Ref 6) for Norwich to Tilbury (the 'Project'), where generic standards for archaeological work are set out in **Section 5** (document reference 7.5) (Ref 6). This document details the types of and scope of archaeological mitigation proposed to reduce the effect of the Project on archaeological remains.
- 1.1.3 Appropriate and proportionate geophysical (magnetometer) survey and archaeological trial trenching has been undertaken to date by Headland Archaeology (Ref 15 and Ref 16), and these works have informed the scope and extent of the archaeological mitigation detailed here. These works are summarised in **Section 1.8** of the ~~AMS-OWSI~~[OAMS-OWSI](#) and detailed in the geophysics report (document reference 6.11.A4) (Ref 15) and interim trial trenching reports (document reference 6.11.A5) (Ref 16).

1.2 Site Description

- 1.2.1 National Grid Electricity Transmission plc ('National Grid') owns and maintains the national high voltage electricity transmission network throughout England and Wales.
- 1.2.2 The transmission network connects the power from where it is generated to the regional Distribution Network Operators who then supply businesses and homes.
- 1.2.3 National Grid holds the Transmission Licence for England and Wales, and its statutory duty is to develop and maintain an efficient, coordinated and economical system of electricity transmission and to facilitate competition in the generation and supply of electricity, as set out in the Electricity Act 1989.
- 1.2.4 National Grid has developed plans for the Project. The Project would support the UK's net zero target through the connection of new low carbon energy generation in East Anglia and by reinforcing the transmission network.
- 1.2.5 The Project comprises reinforcement of the transmission network between the existing Norwich Main Substation in Norfolk and Tilbury Substation in Essex, via Bramford Substation, the new East Anglia Connection Node (EACN) Substation and the new Tilbury North Substation.

- 1.2.6 The reinforcement is needed because the existing transmission network, even with current upgrading, will not have sufficient capacity for the new renewable energy (a substantial proportion of which would be generated by offshore wind) that is expected to connect to the network over the next 10 years and beyond. Completion of the Project, together with other new reinforcements across the country, will meet this future energy transmission demand both in East Anglia and across the UK.
- 1.2.7 The Project comprises:
- A new 400 kilovolt (kV) electricity transmission connection of approximately 180 km overall length from Norwich Main Substation to Tilbury Substation via Bramford Substation, a new EACN Substation and a new Tilbury North Substation, including:
 - Approximately 159 km of new overhead line supported on approximately 509 pylons, either standard steel lattice pylons (approximately 50 m in height) or low height steel lattice pylons (approximately 40 m in height) and some of which would be gantries (typically up to 15 m in height) within proposed Cable Sealing End (CSE) compounds or existing or proposed substations.
 - Approximately 21 km of 400 kV underground cabling, some of which would be located through the Dedham Vale National Landscape (an Area of Outstanding Natural Beauty (AONB¹)).
 - Up to seven new CSE compounds (with permanent access) to connect the overhead lines to the underground cables.
 - Modification works to connect into the existing Norwich Main Substation and a substation extension at the existing Bramford Substation.
 - A new 400 kV substation on the Tendring Peninsula, referred to as the EACN Substation (with a new permanent access). This is proposed to be an Air Insulated Switchgear (AIS) substation.
 - A new 400 kV substation to the south of Orsett Golf Course in Essex, referred to as the Tilbury North Substation (with a new permanent access). This is proposed to be a Gas Insulated Switchgear (GIS) substation.
 - Modifications to the existing National Grid Electricity Transmission overhead lines to facilitate the connection of the existing network into the new Tilbury North Substation to provide connection to the Tilbury Substation.
 - Ancillary and/or temporary works associated with the construction of the Project.
- 1.2.8 In addition, third party utilities diversions and/or modifications would be required to facilitate the construction of the Project. There would also be land required for environmental mitigation and Biodiversity Net Gain (BNG).
- 1.2.9 As well as the permanent infrastructure, land would also be required temporarily for construction activities including, for example, working areas for construction equipment and machinery, site offices, welfare, storage and temporary construction access.

¹ National Landscape is the rebranded name of an AONB from 22 November 2023

- 1.2.10 The mitigation areas covered by this DWSI (Mitigation Areas 102a–102d and 146) form part of a wider arable landscape characterised by gently undulating topography and agricultural land use. The areas are located within fields that have been subject to long-term cultivation, with evidence of historic land division visible in former and extant field boundaries. The surrounding landscape reflects a predominantly rural setting with dispersed settlement and retains elements of its historic agricultural character despite modern farming practices.
- 1.2.11 Archaeological investigations within these areas have identified evidence of multi-period activity, including limited prehistoric remains, Romano-British agricultural features and possible settlement activity, medieval features, and modern remains associated with RAF Raydon airfield. The site therefore lies within a landscape with a demonstrable history of occupation and land use spanning from prehistory through to the modern period, which contributes to its current character.

1.3 Site Location

- 1.3.1 The site is located approximately 800m east of Raydon and 1.2km northwest of Great Wenham, within the Babergh district of Suffolk, and at the boundary between the parishes of Raydon and Great Wenham. They are shown in **Figure 1**.
- 1.3.2 The site comprises a combined c. ~~4.24~~5.80 hectares (ha) of arable land, split into five distinct mitigation areas across two fields.

1.4 Standards and Guidance

- 1.4.1 In line with **Section 5.1** of the ~~AMS-OWSI~~OAMS-OWSI (Ref 6) for the Norwich to Tilbury Project, this DWSI has been prepared in accordance with relevant professional standards and guidance, including SCCAS (2026) Requirements for Archaeological Excavation (Ref 22) in advance of works commencing at the site.
- 1.4.2 This DWSI will set out how the ~~archaeological contractor~~Archaeological Contractor will apply the principles and objectives for archaeological mitigation (**Section 2**), construction activities requiring mitigation (**Section 4**) and the standards for archaeological work (**Section 5**) as presented in the ~~AMS~~OAMS-OWSI, and how the requirements of this DWSI will be followed. The document will also include details of staff, specialists, and project programmes.
- 1.4.3 The professional standards and guidance relevant in addressing the research agenda for the site, set out at **Section 4.1** below, include:
- *Chartered Institute for Archaeologists. 2020. Standard and Guidelines for the Collection, Documentation, Conservation and Research of Archaeological Materials. (Ref 9)*
 - *Chartered Institute for Archaeologists. 2025. Code of Conduct. (Ref 8)*
 - *Chartered Institute for Archaeologists. 2023. Standard for Archaeological Excavation (Ref 9)*
 - *Chartered Institute for Archaeologists. 2023. Universal Guidance for Archaeological Excavation. (Ref 10)*

- Association of Local Government Archaeological Officers East of England and Historic England. 2021. *East of England Regional Research Framework (EERRF)* (online). (Ref 2)
- Gurney, D. 2003. *Standards for Field Archaeology in the East of England*. (Ref 14)
- Historic England. 2015. *Geoarchaeology: Using Earth Sciences to Understand the Archaeological Record* (Ref 17)
- Historic England. 2018. *The Role of the Human Osteologist in an Archaeological Fieldwork Project* (Ref 18)
- Historic England. 2022. *Radiocarbon Dating and Chronological Modelling: Guidelines and Best Practice* (Ref 19)
- Historic England. 2025. *Environmental Archaeology: A Guide to the Theory and Practice of Methods, from Sampling and Recovery to Post-excavation* (third edition) (Ref 20)
- SCCAS. 2024. *Archives: Guidelines for Archive Preparation and Deposition*. (Ref 21)
- SCCAS. 2026. *Requirements for Archaeological Excavation*. (Ref 22)

1.5 Project Roles

- 1.5.1 National Grid will be responsible for instructing the works and providing necessary information on scope of development impacts, including accurate and up-to-date plans for the development.
- 1.5.2 The 'Main Works Contractor' will be The Client's contractor responsible for control of the Site and all contractors on it during the construction phase. The Main Works Contractor, when appointed, in consultation with the ACoW team, will oversee all stages of work with responsibility for health and safety, welfare and site security, and will ensure that appropriate temporary works required to facilitate the archaeological work are in place.
- 1.5.3 The Archaeological Clerk of Works (ACoW) team will be appointed by National Grid and will act on its behalf to monitor the implementation of archaeological mitigation measures. The ACoW team will act as the principal liaison between National Grid, the Main Works Contractor and SCCAS in relation to the planning, coordination, monitoring, progress and sign-off of the archaeological works. An ACoW team will be on site for the duration of the works to oversee the progress of the archaeological works and ~~monitor them~~ to ensure that all archaeological works are undertaken in compliance with the AMSOAMS-OWSI and relevant DWSIs. An ACoW team will be responsible for liaising with the LPA Archaeological Advisor on behalf of National Grid in accordance with the roles and responsibilities set out in the AMSOAMS-OWSI (**Section 1.7**).
- 1.5.4 The 'Archaeological Contractor' is responsible for carrying out the excavation, reporting, deposition of the archive and dissemination. All reporting by the ~~archaeological contractor~~ Archaeological Contractor will be via the ACoW team.
- 1.5.5 Suffolk County Council Archaeological Service (SCCAS) is the LPA Archaeological Advisor, responsible for monitoring the archaeological works, and confirming that the

requirements of the DCO are met and for sign-off of the archaeological works, in accordance with the ~~AMS~~[OAMS](#)-OWSI ~~and DWSI~~.

- 1.5.6 The ~~'project archive repository' is the organisation, a suitable museum in Suffolk, responsible for the long-term curation of the project archive, including the field notes, plans, photographs and archived finds. The archaeological contractor~~[Archaeological Contractor](#) will establish the project archive repository, ~~in the case of Suffolk this will be the Suffolk County Council Archaeological Archive,~~ prior to starting the work and will ~~contact the Suffolk County Council Historic Environment Record to~~ be assigned a unique project reference number ('parish code').

2. Archaeological and Historical Background

2.1 Geology and Topography

- 2.1.1 The British Geological Survey 7.1.8(Ref 1) records the underlying bedrock geology of the site as Red Crag Formation-Sand. The overlying superficial geology is recorded as Lowestoft Formation-Diamicton.
- 2.1.2 The soils in the north of the site are recorded as slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils, and the soils in the south of the site are recorded as freely draining, slightly acid, but base-rich soils (Ref 3).
- 2.1.3 The topography is slightly undulating, showing a pattern of a gentle descent from 58m AOD at the north-east to around 48m AOD at the southwest (Ref 4).

2.2 Previous Investigations and Archaeological Background

- 2.2.1 Geophysical (magnetometer) survey (**Figure 3**) (document reference 6.11.A4) (Ref 15) and archaeological trial trenching (**Figures 2a-b**) (document reference 6.11.A5) (Ref 16) has been undertaken by Headland Archaeology across parts of the Project, including that which contains the mitigation areas referred to in this document. Historic England Aerial Investigation and Mapping data (formerly the National Mapping Programme) has also been reviewed; however, no mapped data is recorded within the mitigation areas and therefore are not presented within the figures.
- 2.2.2 The following section summarises results of the geophysical survey and trial trenching, where relevant to the mitigation areas. A detailed archaeological baseline for the wider project is presented within the Historic Environment Baseline Report (document reference 6.11.A1) (Ref 5).

Prehistoric Period (800,000 BC–AD 43)

- 2.2.3 Trial trenching has identified limited prehistoric remains within the site. A curvilinear ditch was identified in mitigation area 146, which may represent the remains of a roundhouse.
- 2.2.4 Neolithic and Iron Age pottery was recovered from various pits and ditches in mitigation area 102b. This included four post-holes in a sub-circular arrangement, of which three contained moderate quantities of Iron Age pottery, interpreted a potential domestic roundhouse.

Roman Period (Roman (AD 43–410)

- 2.2.5 Roman remains comprised two main foci. To the north, in mitigation area 102b, recut boundary ditches containing Roman pottery, charcoal and ceramic building material were recorded, alongside nearby post-holes, suggesting possible settlement activity.

A trackway was identified that had a sherd of Roman pottery in its infill. To the south, in mitigation area 102d, a series of boundary and enclosure ditches were identified which contained Roman pottery and likely formed part of an agricultural field system.

Early medieval Period (AD 410–1066)

- 2.2.6 Early medieval archaeological remains were identified within mitigation area 102b during trial trenching in the form of pits and ditches containing sherds of middle Anglo-Saxon pottery. Within mitigation area 102d a large extraction pit, possibly for clay or chalk, was recorded; although early medieval pottery was recovered from its fill, this may be intrusive or residual, leaving its date uncertain.

Medieval Period (AD 1066–1540)

- 2.2.7 Medieval pottery was recovered from various ditches in mitigation area 102d, although their purpose is uncertain. Cereal grains, including oat, bread/club wheat and rye were identified within a ditch that also contained Roman pottery. Despite containing the Roman pottery, the grains were more similar to crops cultivated during the medieval period. Burnt grains were also identified that likely represent grains that were accidentally burnt during storage and later discarded in ditches.

Post-medieval Period (AD 1540–1900)

- 2.2.8 The post-medieval archaeological remains identified during trial trenching were in the form of boundary ditches through mitigation area 102b. One runs through the centre of mitigation area 102b and was present on an OS map of the area from 1885.

Modern Period (1901–present)

- 2.2.9 The geophysical survey recorded several high magnitude anomalies across the site which are likely associated with RAF Raydon airfield, while weaker, irregular anomalies may represent either archaeological features or additional airfield activity. Other anomalies are interpreted as modern agricultural features, including field drains, ploughing patterns, and former field boundaries.
- 2.2.10 The modern archaeological remains recorded by the trial trenching also reflects the former RAF Raydon airfield. A drainage ditch marking the northeastern edge of the runway was identified, alongside an anti-aircraft gun emplacement comprising a circular brick structure. Additional modern boundary ditches, aligned with current field boundaries, were recorded across the site, with finds including a shell casing indicating they post-date the airfield.

3. Scope of Works

3.1 Introduction

3.1.1 This section defines the scope of archaeological mitigation works to be undertaken within the mitigation areas identified in **Section 1**.

3.1.2 In accordance with the ~~AMS-OWSI~~[OAMS-OWSI](#), any additional archaeological works or alternative mitigation measures within the site in variance to this DWSI will be subject to further discussion and agreement with the ACoW team, The Client, SCCAS, and if appropriate Historic England. Additional archaeological work could include the extension of mitigation areas, changes to sampling strategy, or a methodology for preservation in situ.

3.1.3 Where significant archaeological remains extending beyond the limits of the defined mitigation areas are identified during mitigation works, and where these have the potential to contribute to national and/or regional research aims, mitigation areas may be extended, where necessary and practical, within the area of project impact or DCO Order Limits (whichever is smaller). Any such extension, and the extents of it, will be agreed with SCCAS, in consultation with the Client and Main Works Contractor, in advance of the additional works being undertaken.

3.2 Archaeological Detailed Excavation Areas

3.2.1 The archaeological mitigation will comprise of five detailed excavation areas (mitigation areas 102a, 102b, 102c, 102d, and 46), as defined in Appendix B of the ~~AMS-OWSI~~[OAMS-OWSI](#). These are illustrated in **Figure 1**.

3.2.2 The individual mitigation areas comprise the following:

- Mitigation area 102a comprises c. ~~0.62~~[0.97](#) ha and will examine spreads described as 'occupation layers' in the trial trenching report (Ref 16).
- Mitigation area 102b comprises c. ~~1.10~~[2.28](#) ha and will examine Romano-British ditches, pits and post-holes.
- Mitigation area 102c comprises c. ~~0.43~~[0.46](#) ha and will examine a potential enclosure of unknown date.
- Mitigation area 102d comprises c. ~~1.42~~[1.85](#) ha and will examine Romano-British enclosures and pits and potential medieval remains.
- Mitigation area 146 comprises c. ~~0.067~~[0.24](#) ha and will examine a possible ring-ditch of unknown (although potentially prehistoric) date.

3.2.3 An overview of the aims and objectives for the site can be found in **Section 4**. The details of the nature and specific aims of the detailed excavation area is set out in **Section 5**.

3.2.4 Table 3.1 outlines the trenching information that has informed the design of the mitigation areas.

Table 3.1 The Rationale for each Mitigation Area.

<u>Mitigation Area</u>	<u>Headland Trenching Site and Area</u>	<u>Trench Numbers</u>
<u>102a</u>	<u>Site 8</u> <u>Area 15C</u>	<u>TR08.618</u> <u>TR08.620</u> <u>TR08.622</u> <u>TR08.623</u> <u>TR08.627</u> <u>TR08.628</u> <u>TR08.629</u>
<u>102b</u>	<u>Site 8</u> <u>Area 15S</u>	<u>TR08.43</u> <u>TR08.44</u> <u>TR08.45</u> <u>TR08.46</u> <u>TR08.47</u> <u>TR08.49</u> <u>TR08.50</u> <u>TR08.51</u> <u>TR08.52</u> <u>TR08.53</u> <u>TR08.54</u> <u>TR08.57</u> <u>TR08.58</u>
<u>102c</u>	<u>Site 8</u> <u>Area 15S</u>	<u>TR08.68</u> <u>TR08.69</u> <u>TR08.70</u> <u>TR08.73</u> <u>TR08.74</u>
<u>102d</u>	<u>Site 8</u> <u>Area 15S</u>	<u>TR08.77</u> <u>TR08.78</u> <u>TR08.79</u> <u>TR08.80</u> <u>TR08.81</u> <u>TR08.82</u> <u>TR08.83</u> <u>TR08.85</u> <u>TR08.86</u> <u>TR08.87</u> <u>TR08.88</u> <u>TR08.89</u>

<u>Mitigation Area</u>	<u>Headland Trenching Site and Area</u>	<u>Trench Numbers</u>
		<u>TR08.90</u> <u>TR08.91</u> <u>TR08.94</u> <u>TR08.95</u>
<u>146</u>	<u>Site 8</u> <u>Area 15S</u>	<u>TR08.99</u> <u>TR08.103</u>

4. Aims and Objectives Overview

4.1 Research Agenda

- 4.1.1 The archaeological mitigation strategy for the site has been developed in accordance with the principles and objectives set out in the [AMS OAMS](#)-OWSI for the Norwich to Tilbury Project (document reference 7.5) (Ref 6). The research questions, aims and objectives will be subject to ongoing review during the mitigation works and may be refined as appropriate in response to emerging results, subject to agreement with SCCAS and [The in consultation with the](#) Client.
- 4.1.2 The [AMS OAMS](#)-OWSI establishes a research-led and proportionate approach to archaeological mitigation, ensuring that archaeological remains affected by the Project are appropriately investigated, recorded and analysed to advance understanding of the historic environment.
- 4.1.3 The approach adopted for the site therefore seeks to:
- Mitigate the impact of construction through appropriate investigation and recording.
 - Ensure that the results of archaeological works are placed within a wider local, regional and national context.
 - Contribute to established research frameworks, including the East of England Research Framework (ERF) (Ref 2).
 - Ensure that mitigation is proportionate to the significance, extent and character of the archaeological resource.
 - [The approach adopted for the site will remain flexible to accommodate new discoveries and emerging research priorities identified during the mitigation works.](#)

Aims

- 4.1.4 The principal research aims are to:
- Characterise limited prehistoric activity, including the possible curvilinear feature.
 - Investigate the extent and organisation of Roman agricultural remains and possible settlement.
 - Assess the nature, chronology and function of medieval enclosures and associated features.
 - Understand the impact of later activity on earlier landscapes, including continuity, reorganisation and truncation.
 - [Additional research aims may be developed during the course of the archaeological mitigation, including during fieldwork and post-excavation work, in](#)

[accordance with the principles set out in the OAMS-OWSI and subject to agreement with SCCAS.](#)

Objectives

4.1.5 The principal research objectives are to:

- Investigate and record archaeological remains to determine character and extent.
- Develop a site chronology; and
- Set the results of investigation into the context of the existing and emerging Regional Research Agendas. The current revision of the East of England Research Framework (ERF) (Ref 2) augments both the original version of the framework, published in two parts in 1997 and 2000, and a revised and updated version, published in 2011.
- [These objectives represent the current research priorities for investigation but may be supplemented or refined in response to the results of archaeological fieldwork and post-excavation assessment.](#)

4.2 Mapping to East of England Regional Research Framework (EERRF)

4.2.1 The table below provides an overview of how the results of work may fit into the context of the existing East of England Regional Research Framework (EERRF), available online and updated in 2021 (Ref 2):

Table 4.1 Alignment with Regional Research Agendas

Anticipated Remains	Key Issues	Mapping to previous ERF (2021)	Mapping to current ERF (2026)
Later Prehistoric archaeological features	What is the nature and extent of the limited prehistoric activity identified within the site? Does the curvilinear feature represent settlement remains, and how does it relate to the wider landscape? How does this evidence contribute to understanding low-density prehistoric activity in the area?	Settlement types and distribution The agrarian economy Regional variation in later prehistoric landscapes	LBA-MIA 10: How can we better understand the relationships between contemporary sites?
Roman agricultural features and possible settlement	What is the character and organisation of Roman remains within the site? Is there evidence for	Rural settlement and farmsteads The agrarian economy and landscape organisation	LIA-Rom 13: How can we increase our understanding of Late Iron Age and Roman farmsteads?

Anticipated Remains	Key Issues	Mapping to previous ERF (2021)	Mapping to current ERF (2026)
	settlement associated with agricultural field systems? How do the identified features relate to wider patterns of Roman rural land use? What evidence exists for continuity or reorganisation of activity across the landscape?	Regional variation in Roman rural landscapes	
Medieval agricultural and extraction activity	What do the features indicate about agricultural practices and land use? What evidence exists for change, development or abandonment? How does this evidence relate to medieval activity recorded elsewhere along the Project corridor?	Dispersed rural settlement patterns Agricultural practices and land management Settlement development, change and abandonment.	Med (Rural) 03: How can we improve our understanding of medieval agricultural practices? Med (Rural) 09: How can we characterise medieval rural settlement morphology and relationships?

5. Standards for Archaeological Work

5.1 Standards for archaeological work

- 5.1.1 All archaeological works will be undertaken in accordance with the ~~AMS~~OAMS-OWSI for the Norwich to Tilbury Project (document reference 7.5) (Ref 6), which establishes the overarching principles, methodologies and standards for archaeological mitigation, and the detailed methodology set out within this DWSI
- 5.1.2 All archaeological works will also be undertaken in adherence to the SCCAS *Requirements for Archaeological Excavation (updated April 2026)* (Ref 22).
- 5.1.3 Prior to the commencement of works, the appointed ~~archaeological contractor~~Archaeological Contractor will prepare a site-specific archaeological contractor method statement (SSACMS) for the archaeological mitigation areas set out within this DWSI. ~~It will present a response to the~~This will be in general accordance with standards set out within this DWSI, and ~~will comply with the standards set out in the AMS~~the OAMS OWSI. The ~~method statement~~SSACMS will include a full programme for the archaeological work that would be referenced against key milestones and events in the overall design and construction programme. All work will comply with relevant standards and technical guidance (Chartered Institute for Archaeologists, 2023 (Ref 9 and Ref 10); SCCAS, 2026 (Ref 22). The SSACMS shall be submitted to the LPAAA for review and approval. Archaeological fieldwork shall not commence until an approved SSACMS is in place.
- 5.1.4 The site-specific archaeological contractor method statement must include:
- A detailed programme of work that sets out the proposed sequence of tasks, anticipated timescales, staffing arrangements, and any other factors that may affect delivery. of the archaeological fieldwork (e.g. water management, adverse weather conditions etc.).
 - A list of appropriately experienced specialists (with regional expertise).
 - The finds procedures for the recovery, treatment and storage of artefactual and ecofactual material.
 - The procedure for environmental sampling.
 - The procedure for scientific dating.
 - The details of appropriate plant.
 - A Data Management Plan which will describe the type of data that will be acquired and/or generated during the project, the way the data will be managed and stored, and the mechanisms to be employed to preserve and share the data.
 - The site-specific Health and Safety arrangements that outline the main risks associated with the works and control measures to mitigate these. Information on inductions, PPE, welfare, access, and emergencies will be included.
 - Confirmation of insurances that cover the planned works.

- The number of staff and the relevant staff CVs.
- ~~The museum accession numbers and relevant~~[Identification of the](#) archive repository, [for Suffolk this will be the Suffolk County Council Archaeological Archive](#).
- The specific parish codes that will be used during the project.

5.1.5 Areas defined for archaeological mitigation will be clearly demarcated on site. No plant or vehicles not directly involved in the archaeological works will be permitted within these areas until archaeological excavation has been completed and the area has been formally signed off by and released by SCCAS. All plant access within archaeological mitigation areas will be supervised and directed by a suitably qualified and experienced archaeologist.

5.1.6 To facilitate the construction phase of the Project, specific areas of the site may require completion and sign-off in advance of full excavation of the site, for example temporary haul roads. Any such process would be agreed with SCCAS and would include:

- full excavation of the specified area to the standards set out in this DWSI.
- sign-off by SCCAS before any construction works take place.
- demarcation and protection of the remainder of the site through appropriate fencing and signage.

5.2 Detailed Excavation

5.2.1 Detailed excavation will be undertaken in adherence to the methodologies for archaeological excavation and recording set out within **section 5** of the ~~AMS~~[OAMS](#)-OWSI (Ref 6), including:

- Controlled machine stripping or hand excavation, where required, in accordance with the methodology set out in **section 5.3** of the ~~AMS-OWSI~~[OAMS-OWSI](#).
- Systematic recording of archaeological deposits, features and structures, in accordance with the methodology set out in **section 5.3** of the ~~AMS-OWSI~~[OAMS-OWSI](#).
 - Data-capture for site plans will be by electronic distance measurement, PPGPS survey, measured survey or a combination of these measures; data-capture for site plans will as standard be capable of reproduction at a scale of 1:100; more complex features or areas of complex archaeological remains will be recorded at greater resolution.
- Implementation of appropriate and iterative sampling strategies, proportionate to the nature and significance of remains (**section 5.3.67-5.3.82**[5.3.72-5.3.75](#)). These may be varied to suit the research value of the remains, subject to agreement with the ACoW team, SCCAS and, if appropriate, Historic England. In terms of the hand excavation of archaeological features, these will include the following:
 - A minimum of 10% of the fills of linear features (ditches, etc) are to be excavated (**section 5.3.74**[5.3.72](#)). The interventions must be representative of the available length of the feature and must consider any variations of size,

depth, fills and any concentration of artefacts. For linear features 1.00m wide slots should be excavated across their width. Depending on the significance of the feature and whether research aims/objectives (see **section 4**) can be answered, a higher percentage sample may be agreed, increasing in 10% (up to a maximum of 50%) increments through agreement with the ACoW team, SCCAS and The Client.

- For discrete features, such as pits, 50% of their fills will be excavated. In some instances, where significant archaeological remains have been identified or to address specific research questions, 100% will be excavated (**section ~~5.3.72~~5.3.73**).
- Features which are, or could be interpreted as, structural (such as drip gullies, post holes, internal or external surfaces, hearths, etc.) must be fully excavated (**section ~~5.3.78-5.3.80~~5.3.79-5.3.81**). Post-holes and pits must be examined in section and then fully excavated. Fabricated surfaces within the excavation area (e.g. yards and floors) must be fully exposed and cleaned. Any variation from this process can only be made by through agreement with SCCAS and The Client and must be confirmed in writing.
- Large or deep features may be excavated in opposing quadrants in the first instance, in agreement with SCCAS and The Client, or in other such gridded or systematic excavation as may be appropriate to the feature type.
- Provision should be made for hand excavation of any stratified layers (e.g. dark earth) in 2.50m or 1.00m systematic and gridded squares, to be agreed with the ACoW team, SCCAS and The Client on the basis of the complexity/extent of such layers. This should be accompanied by an appropriate finds recovery strategy which must include metal detector survey and on-site sieving to recover smaller artefacts/ecofacts.
- Provision should be made to fully investigate the depth of sequences and the depth of archaeological features. This may involve the use of stepping or shoring.
- Appropriate provision should be made for extracting water from sites and features.
- Hand auger or a power auger (where appropriate) is recommended to gain information from very deep features so a safe excavation strategy can be designed and implemented in discussion with the SCCAS and The Client.
- Machine/mechanical assistance may only be used for very large/deep features, following agreement with SCCAS and The Client.
- Measures to ensure the preservation of archaeological evidence, where preservation in situ is feasible.
- Controlled metal detecting will be undertaken on all areas designated for archaeological mitigation prior to the excavation areas being opened. Detecting will also be completed after any surface clearance and prior to any hand excavation of archaeological features (**section ~~5.3.27-5.3.32~~5.3.26-5.3.31**). The location of any metalwork will be surveyed.

5.2.2 Fieldwork will be undertaken following best practice to ensure that archaeological remains are investigated to a level appropriate to their character, extent and significance, and that results can contribute to the agreed research objectives.

5.3 Environmental Sampling and Scientific Dating

- 5.3.1 The Archaeological Contractor will present a sampling strategy (based on the sampling requirements outlined in this DWSI, all available guidance and the specialist advice of their in-house or subcontracted palaeoenvironmental specialist) to SCCAS and (if warranted) the Historic England Regional Advisor for Archaeological Science (RSA). Their in-house or subcontracted palaeoenvironmental specialist will take the role of co-ordinator for environmental archaeology for the Site, in accordance with the [AMSOAMS](#)-OWSI (Ref 6).
- 5.3.2 As set out in this section, the site-specific environmental sampling strategy will include:
- Targeted sampling for charred plant remains, charcoal, and palaeoenvironmental material.
 - Recovery of material suitable for palaeoenvironmental reconstruction and economic interpretation.
 - Provision for specialist analysis where appropriate.
- 5.3.3 Specific SCCAS sampling guidance should be followed, including:
- Bulk samples must be a minimum of 40 litres. If a feature is too small to produce this size of sample (e.g. a post hole) then 100% of the feature should be retained for processing.
 - All samples will be retained until their potential has been assessed and until a retention strategy has been agreed with SCCAS. Where necessary, advice on the appropriateness of the proposed strategy should be sought from the Historic England Science Advisor (East of England).
 - Samples of burnt flint or pottery retained for lipid analysis should not be washed.
- 5.3.4 Appropriate scientific dating techniques will be applied, where justified, to support the development of a robust chronological framework. These may include:
- Radiocarbon (C-14) dating which can be used to date any carbon-based organic materials, such as wood, bone, or plant remains. If remnant peat is found, reliable and high-resolution dating will be essential, and multiple methods will be employed unless otherwise justified.
 - Archaeomagnetism dating for highly fired structures such as kilns or ovens and in situ burning.
 - Luminescence dating (e.g. OSL or TL), where relevant.
 - If preserved wood is present, for example, in waterlogged deposits then dendrochronology may be able to provide precise and accurate dates (suitable on-site provision to retain the wood in stable condition will be required).

5.4 Finds Processing, Conservation and Human Remains

- 5.4.1 Procedures for the recovery, treatment and storage of artefactual and ecofactual material will accord with:

- ClfA standards and guidance (Ref 7)
- Historic England best practice (Ref 20)
- SCCAS archive requirements (Ref 21)

5.4.2 The recovery strategy for artefacts will be as follows:

- General principle: All artefacts from stratified contexts will be retained unless otherwise stated. Material from unstratified contexts will only be retained where of significance.
- Ceramic materials: All pottery, CBM and ceramic objects (e.g. loomweights, spindlewhorls) will be collected from stratified contexts. Unstratified material will only be retained where significant. In situ structural material will be recorded and sampled where appropriate.
- Stone materials: Building stone and portable objects will be retained from stratified contexts; unstratified material will only be collected where significant. Unworked stone will only be retained where it is clearly anthropogenic or functionally relevant.
- Metalwork and industrial residues: All metalwork and metalworking residues will be retained from stratified contexts. Obviously modern material from topsoil or unstratified contexts will not normally be retained.
- Flint and lithics: All worked flint will be retained. Burnt or unworked flint will be retained from stratified contexts.
- Ecofactual material: Animal bone, marine shell, and other ecofacts will be retained from stratified contexts. Where large assemblages occur, an appropriate sampling strategy will be adopted to characterise the assemblage.
- Glass and small finds: All glass, coins, worked bone, antler, leather, textile, and other small finds will be retained from stratified contexts. Unstratified material will only be retained where significant.
- Structural and in situ material: Structural elements (e.g. timbers, masonry, plaster, daub) will be recorded in situ, with sampling undertaken where appropriate for analysis, dating or identification.
- Bulk or modern material: Large assemblages of modern or post-medieval material (e.g. bottle dumps) will be recorded in situ and sampled where appropriate, rather than fully retained.
- Specialist analysis and retention: Retention, discard and sampling will be subject to specialist assessment and agreement with the ACoW team SCCAS.

5.4.3 In accordance with **sections 5.3.108-5.3.119** of the ~~AMS-OWSI~~OAMS-OWSI, in the event that human remains are encountered:

- Works will stop in the affected area.
- The ACoW and The Client will be notified immediately. The ACoW will notify SCCAS and relevant authorities in order to agree an excavation strategy. Human remains will need to be fully excavated and recorded in accordance with Historic England (Ref 20) and ClfA (Ref 7) guidance. The treatment, excavation and removal of human remains will be undertaken in accordance with Article 23 of the

draft Development Consent Order, which sets out the relevant provisions for the removal of human remains.

- Procedures will follow the requirements set out in Article 23 of the draft Development Consent Order, together with relevant Historic England guidance.
- Conservator and specialists should be on-site when excavation of burials begins to advise on conditions, potential and approaches. It may be possible to feedback results from the laboratory investigation of soil blocks to inform approaches on site.
- Human remains are to be treated at all stages with care and respect and are to be dealt with in accordance with the law. They must be recorded in situ and subsequently lifted, packed and marked to the standards compatible with those described in current guidance from ClfA, Historic England, Advisory Panel on the Archaeology of Burials in England (APABE) and the British Association of Biological Anthropology and Osteoarchaeology (BABAO). Where inhumations are encountered, the ~~archaeological contractor~~ Archaeological Contractor should make provision for the following:
 - Where human burials (inhumations and/or cremation), funerary monuments or other important funerary archaeological features are identified, detailed excavation is necessary to understand the context, dating and osteological features, in an effort to understand their significance. In accordance with **Section 5.3.1105.3.111** of the ~~AMS-OWSI~~ OAMS-OWSI, excavation of human remains will not extend beyond the limits of the mitigation area; however, it may be followed under the baulk so that it may be lifted in its entirety, provided this will not result in disturbance of further burials, or extend beyond the Order Limits. Decisions on extensions to any mitigation areas will need to be made in consultation with SCCAS and The Client.
 - Sites where furnished burials are known, anticipated, or identified, should comply with SCCAS (2026) Guidance on Excavating Inhumations for Mineral Preserved Organics (2026). SCCAS should be consulted with regards to the most appropriate mitigation approach and amendments to the existing WSI may be necessary.
 - The following sampling strategy should be followed:
 - Full excavation is necessary to understand the context, dating and osteological features, in an effort to understand their significance. Leaving human remains in situ should only be considered when excavation is not feasible, for example if the burial is only partially within the excavation area or the proposed development boundary, the decision to not excavate is with the osteologist, otherwise excavation is the standard procedure.
 - provision for retrieval of small bones in the head area (e.g. inner ear bones), torso/pelvic area (foetal remains, gall/bladder stones, hand bones depending on position), and the feet.
 - If grave goods are identified and are not subject to block lifting, additional specialist samples should be taken from the areas around the grave goods.
 - Cremation deposits should be subject to sampling and assessment for charcoal, charred plant remains, finds and the recovery of human bone.
 - Where un-urned cremations are suspected or identified, these will be subject to 100% sampling. Where large deposits of pyre debris are

identified the human remains specialist will be contacted to devise an appropriate strategy for excavation and sampling. The strategy will be developed at site consultation meeting(s) between the Archaeological Contractor(s), The Client, the relevant Historic England Regional Science Advisor and SCCAS.

- It may be beneficial to consider half sectioning the excavation of un-urned cremations to aid an understanding of the vertical distribution of the deposit; the deposit may then be excavated in spits.
- Block lift cremation urns to allow for X-radiography and excavation under laboratory conditions. The conservator or field staff experienced in lifting cremation urns will be present when lifting takes place. In the first instance, the conservator will be contacted for advice.

5.5 Communication, Monitoring and Sign-Off

5.5.1 All archaeological works will be subject to monitoring by the ACoW team and [SCCAS](#), and sign-off by SCCAS, in accordance with the [AMSOAMS](#)-OWSI (Ref 6):

- Archaeological areas will remain under archaeological control until formally agreed as completed and written sign-off has been received from SCCAS.
- The ACoW will be responsible for arranging access for SCCAS to complete site monitoring visits.
- Clear communication will be maintained between the ~~archaeological contractor~~[Archaeological Contractor](#), [SCCAS](#) and construction teams via the ACoW team.
- Areas will only be released once archaeological works have been signed off by SCCAS.

5.5.2 A unique site code will be obtained by the ~~archaeological contractor~~[Archaeological Contractor](#) from Suffolk Historic Environment Record (HER) and used for all recording, archiving and reporting.

5.5.3 The ~~archaeological contractor~~[Archaeological Contractor](#) will provide The Client, ACoW team and ~~if appropriate,~~ SCCAS, with a weekly summary progress memo (1–2 pages). This will:

- Summarise the work undertaken during the week and the key findings.
- Report on site attendance, where appropriate.
- Confirm that the work will be completed to programme and identify any potential issues to programme.
- Identify any health and safety issues (including near miss).
- Post Excavation Programming, following fieldwork.

5.5.4 The ~~archaeological contractor~~[Archaeological Contractor](#) will provide all information reasonably practicable to the ACoW team and SCCAS, to enable them to monitor compliance with this DWSI – e.g. site surveys, intervention plans, records and finds data etc.

5.5.5 As outlined in the ~~AMS-OWSI~~OAMS-OWSI sections 5.2.16-5.2.21, the formal sign off procedure will be as follows:

- Once the Archaeological Contractor(s) believes the fieldwork to be completed, a sign-off meeting would be held on site (unless alternative communication is agreed) between the ACoW, Client, SCCAS (and Historic England, if appropriate), the ~~archaeological contractor~~Archaeological Contractor and the Main Works contractor.
- Sites that have been completed would be subject to a formal signing off procedure, in order to allow the mitigation areas (or parts thereof) to be released to the construction team. The ~~archaeological contractor~~Archaeological Contractor would submit a completion statement to the ACoW. This statement will include a final site plan, showing locations of archaeological features and interventions (in both PDF and Shapefile format). The ACoW would submit the accepted completion statement to the Client and SCCAS for confirmation (in consultation with Historic England, where required) that the relevant works have been completed in compliance with the relevant DWSIs.

5.6 Post-Excavation, Reporting and Archiving

5.6.1 Post-excavation works will be undertaken in accordance with the ~~AMS~~OAMS-OWSI (Ref 6) and SCCAS requirements (2026 (Ref 22)) and will include:

- Within six weeks of the end of fieldwork a written timetable for post-excavation assessment, updated project design and/or reporting must be produced, which must be approved by SCCAS. Following this, a written statement of progress on post-excavation work – whether assessment, analysis, report writing and publication or archiving – will be required at regular intervals.
- An interim statement, to be submitted by the ~~archaeological contractor~~Archaeological Contractor within six weeks of completing the fieldwork.
- A post-excavation assessment (PXA) report on the fieldwork should be prepared in accordance with the principles of Management of Research Projects in the Historic Environment (MoRPHE) (Historic England 2015), and the PXA must present a clear and concise assessment of the archaeological value and significance of the results, and identifies the research potential, in the context of the Regional Research Framework which is available online at <https://researchframeworks.org/eoe/> (see also East Anglian Archaeology, Occasional Papers 3, 8 and 24, 1997, 2000 and 2011).
- ~~Post-excavation assessment (PXA).~~The PXA will act as a critically assessed audit of the archaeological evidence from the site; see ALGAO Advice Note for Post Excavation Assessment (2015) to be submitted within ~~six months~~one year of completion of the archaeological mitigation for relevant development stage, unless otherwise agreed in writing with ~~the Client and~~ SCCAS and in consultation with National Grid.
- An updated project design (UPD), to be completed within one year of ~~completion~~the approval of the PXAs. The UPD will provide details of timescales and costs for delivery of the archaeological ~~mitigation for the relevant development stage.~~ project and detail full publication and archive deposition. This must be prepared in accordance with the principles of Management of Research

Projects in the Historic Environment (MoRPHE) (Historic England 2015) and contain a timetable, for analysis, dissemination and archive deposition. The UPD will provide the basis for measurable standards for SCCAS to monitor this work.

- An archive of all records and finds is to be prepared, consistent with the principles of MoRPHE. It must be adequate to perform the function of a final archive for deposition in the Archaeological Store of SCCAS (see Archaeological Archives Forum: a guide to best practice 2007).
- Finds must be appropriately conserved and stored in accordance with guidelines from The Institute of Conservation (ICON).
- National Grid must get the agreement of the landowner(s) to the deposition of the site archive, and transfer of title, with SCC County Archaeology Store.
- The commissioned Archaeological Contractor should consult SCCAS Archaeological Store before the archive is prepared regarding the specific requirements for the archive deposition and curation, and regarding any specific cost implications of deposition. A clear statement of the form, intended content, and standards of the archive is to be submitted for approval with SCCAS and comply with SCCAS Guidelines for Archive Preparation and Deposition (2026).
- The PXA should offer a statement of significance for retention, based on specialist advice, and - where it is justified – the UPD should propose a discard strategy. This must be agreed with SCCAS prior to implementation.
- Archive deposition charges will be charged at the Post Excavation Assessment (PXA) and Updated Project Design (UPD) stage of work, prior to the relevant requirement the site being signed off for that development stage.
- The UPD shall state proposals for the deposition of the digital archive relating to this project with the Archaeology Data Service (ADS), adhering to the requirements for digital archives set out in SCCAS Guidelines for Archive Preparation and Deposition 2026, and allowance should be made for costs incurred to ensure proper deposition (<http://ads.ahds.ac.uk/project/policy.html>).
- All Suffolk sites will be accessed via an ADS Suffolk Landing Page. Therefore, when depositing data from Suffolk sites, ADS will need to be informed that the site will need to be added to the Suffolk page.
- Following acceptance, a digital copy of the approved final report should be submitted to the Suffolk Historic Environment Record.
- Digital vector plans of mitigation areas, recorded archaeological features and excavated sections, should be provided as georeferenced (EPSG: 27700) ESRI shape or QGIS GPK files. These files should have the relevant attributes attached to them including; HER Parish Code, Primary Reference Number eg (Section Number; Context Number; Sample Number; Small Find number; etc); Group or Feature Number; Archaeological Periods and Phases. These GIS files should be provided to the Suffolk HER following approval of the final report.
- At the start of work (immediately before fieldwork commences) an OASIS online record <http://ads.ahds.ac.uk/project/oasis/> must be initiated and key fields completed on Details, Location and Creators forms. When the project is completed, all parts of the OASIS online form must be completed, and a copy must be included in the final report and also with the site archive. A .pdf version of the entire report should be uploaded to the OASIS website.

- Specialist analysis of finds and environmental material.
- Production of reports appropriate to the scale and significance of the remains.

5.6.2 All results will be:

- Integrated into the wider ~~project framework~~ [Updated Project Design](#).
- Assessed against the East of England Research Framework (ERF) (Ref 2).
- Made available through ~~appropriate~~ dissemination and reporting- [and appropriate to the significance of the archaeology identified. As a minimum, a summary report must be prepared, in the established format, suitable for inclusion in the annual 'Archaeology in Suffolk' section of the Proceedings of the Suffolk Institute of Archaeology and History. It should be included in the project report, or submitted to SCCAS/CT, by the end of the calendar year in which the work takes place, whichever is the sooner.](#)

5.6.3 A complete archive (including digital data) will be prepared and deposited in accordance with SCCAS requirements.

5.7 Public Outreach and Dissemination

5.7.1 A programme of dissemination and public engagement will be implemented in accordance with the ~~AMS~~[OAMS](#)-OWSI (Ref 6) **Section 6.8**, proportionate to the significance of the findings. These will fit within wider a Public Archaeology and Community Engagement Strategy (PACE), which will set out a Project-wide strategy for public engagement. This may include:

- Public summaries and outreach materials.
- Engagement with local stakeholders, schools and interest groups.
- Wider dissemination of significant results through appropriate channels.

6. Programme, staffing and attendance

6.1 Initial timetable and staffing

- 6.1.1 The archaeological mitigation work is anticipated to start in March 2027.
- 6.1.2 The ~~archaeological fieldwork subcontractor~~[Archaeological Contractor](#) will provide a detailed programme for the archaeological works within their method statement, which will also include estimated staff resources and CVs for key project team members.
- 6.1.3 A programme of archaeological works will be prepared and implemented in advance of construction, setting out the timing and sequence of investigative works. The programme will identify how archaeological activities interface with construction works and will be aligned with key project milestones, in accordance with the requirements of the ~~AMS-OWSI~~[OAMS-OWSI](#) (Section 5.1.4).
- 6.1.4 The programme will be agreed with the Archaeological Contractor, ACoW, and Main Works Contractor, and will allow for flexibility to accommodate site conditions, weather, and the nature and extent of archaeological remains encountered during the works.

7. Health, Safety, Security and Environment (HSSE)

- 7.1.1 Health and Safety will take priority over all other requirements. A conditional aspect of all archaeological work is both safe access to the area of work and a safe working environment. The project will be carried out in accordance with safe working practices. The Main Works Contractor and the Archaeological Contractor should take all reasonable steps to facilitate the completion of the archaeological excavation, to appropriate standards, whilst complying with safe working practices.
- 7.1.2 The ~~archaeological contractor's~~ Archaeological Contractor's method statement shall include details of site-specific Health and Safety arrangements incorporating all elements of the archaeological works, including details on specific risks and mitigation requirements in relation to the programme of works. Should services be detected and work be required in proximity, the contractor will provide supplementary documentation detailing how work will be managed in a Mitigation Statement For Excavation.
- 7.1.3 The appointed ~~archaeological contractor~~ Archaeological Contractor will also arrange appropriate security provisions with the Main Works Contractor at the site.
- 7.1.4 Currently known site-specific HSSE issues will need to be considered within the site-specific risk assessment prior to commencement of the fieldwork and copies sent to the representatives of The Client and their Main Works Contractor for approval.

Risk assessment and methodology statement (RAMS)

- 7.1.5 The ~~archaeological contractor~~ Archaeological Contractor will produce a site-specific Risk Assessment and Methodology Statement (RAMS) to cover the onsite fieldwork and will supply a copy of the company's Health and Safety Policy. These will be reviewed by The Client to ensure that the policy and measures are appropriate.
- 7.1.6 The RAMS will have been read, understood, and signed by all staff attending the site before any fieldwork commences. Cross-disciplinary industry standards should be followed, considerations include:
- Clear, concise, and site-specific. Bespoke to the site, and without generic text for hazards that do not apply or mitigation that is not applicable.
 - Tabulation of site-specific hazards, risk grading and mitigation measures.
 - Site manager contact details provided, along with a deputy.
 - Emergency action plan, with an address and route map to the closest Accident and Emergency.
 - Archaeological Contractor RAMS will be reviewed by an appropriately qualified and experienced member of staff (e.g. Project Manager), ideally with final approval by the H&S Manager/Senior Manager prior to review by The Client.

- The RAMS must be kept under continuous review and amended to reflect changes in site conditions, working methods, hazards or control measures change, or following an incident or near miss. Any amendments will be subject to appropriate review and approval before the affected works proceed.

Personal protective equipment (PPE)

- 7.1.7 Staff present on site will be required to wear the appropriate Personal Protective Equipment (PPE), as identified in the RAMS. As a minimum this will be protective shoes, high-visibility vest, gloves, protective glasses and safety helmet. The requirement for any additional PPE will be identified in the RAMS.

Welfare

- 7.1.8 The Main Works Contractor will be responsible for providing and positioning suitable welfare facilities on site, including toilet and water for washing.

Abbreviations

Abbreviation	Full Reference
AIS	Air Insulated Switchgear
AONB	Area of Outstanding Natural Beauty
BNG	Biodiversity Net Gain
CPRSS	Corridor and Preliminary Routeing and Siting Study Report
CSE	Cable Sealing End
DCO	Development Consent Order
DNO	Distribution Network Operators
EACN	East Anglia Connection Node
EIA	Environmental Impact Assessment
ES	Environmental Statement
ESO	Electricity System Operator
GIS	Gas Insulated Switchgear
GW	Gigawatts
kV	Kilovolt
NSIP	Nationally Significant Infrastructure Project
NETS	National Electricity Transmission System
NETS SQSS	National Electricity Transmission System Security and Quality of Supply Standard
NGET	National Grid Electricity Transmission
Ofgem	Office of Gas and Electricity Markets
PEIR	Preliminary Environmental Information Report
SOBR	Strategic Options Backcheck and Review
SPA	Special Protection Area
SSSI	Site of Special Scientific Interest

Glossary

Term	Description
Alignment	The proposed overhead line and underground cable route.
Ancient woodland	Land that has been continually wooded since at least 1600 in England. Regarded as 'irreplaceable habitat' in national planning policy and guidance. Ancient woodland greater than 2 ha is recorded on the Natural England Ancient Woodland Inventory.
Archaeological Clerk of Works (ACoW)	A suitably qualified archaeologist or team appointed by National Grid to oversee and monitor archaeological works in accordance with the AMS OAMS OWSI and relevant DWSIs.
Biodiversity	The variability among living organisms from all sources including terrestrial, marine and other aquatic ecosystems and the ecological complexes of which they are part: this includes diversity within species, between species and of ecosystems.
Biodiversity Net Gain	An approach for developments to ensure habitats for wildlife are left in a measurably better state than they were before the development.
Cable	An insulated conductor designed for underground installation.
Cable Sealing End compound	Electrical infrastructure used as the transition point between overhead lines and underground cables. A compound on the ground acts as the principal transition point.
Conservation Area	An area of special architectural or historic interest, the character or appearance of which it is desirable to preserve or enhance as defined in s69(1)(a) in the Planning (Listed Building and Conservation Areas) Act 1990.
Development Consent Order	A statutory instrument which grants consents and other rights to build a Nationally Significant Infrastructure Project, as defined by the Planning Act 2008.
Distribution Network Operator	Companies that own and operate the power lines and infrastructure that connect the National Grid network to individual properties.
Substation	Substations are used to control the flow of power through the electricity system. They are also used to change (or transform) the voltage from a higher to lower voltage to allow it to be transmitted to local homes and businesses.
Suffolk County Council Archaeological Service (SCCAS)	The Local Planning Authority Archaeological Advisor responsible for confirming that Development Consent Order requirements are met and for sign off of archaeological works.

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Appendix A.

Figures

Figure 1: Location of Mitigation Areas [102 a,b,c&d, 146](#)

Figure 2a: Mitigation Areas ~~102a and 102b~~102 a&b over Trial Trench Locations

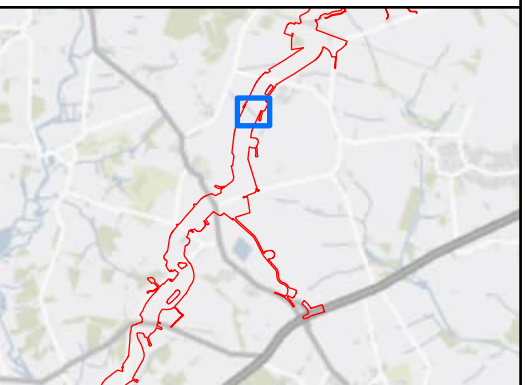
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Legend

-  Order Limits
-  Mitigation Areas
-  Excavated
-  Archaeology
-  Spread or Layer
-  Trench

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A	July 2026	FOR DETAILED WS: FOR DETAILED EXCAVATION	MH	DA	OP
Rev	Date	Description	Drawn	Check	Approv

PROJECT:
Norwich to
Tilbury

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

Title:

Figure 2a - Mitigation Areas 102 a&b
over Trial Trench Locations

Designed		Date	15 July 2026
Drawn	M. Harshavardhan	Date	15 July 2026
Checked	D. Astbury	Date	15 July 2026
Approved	O. Prestidge	Date	15 July 2026
Scale:	1:1,300	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	UK0035003.1497

Suitability Description:	Accepted as Concept Stage
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Drawing Number: 10059280-ARC-EGN-ZZ-DR-ZZ-00291	Revision: A
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Print Date: 15-07-26 14:27:45

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Figure 2b: Mitigation Areas 102c, 102d, and 146 over Trial Trench Locations

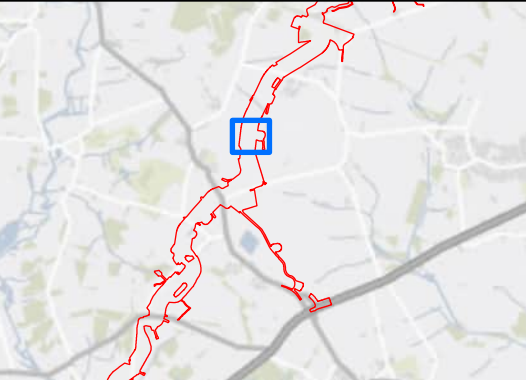
Doc Ref:



Legend

- Order Limits
- Mitigation Areas
- Excavated
- Archaeology
- Spread or Layer
- Trench

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A	July 2026	DETAILED WSIs FOR DETAILED EXCAVATION	MH	DA	OP
Rev	Date	Description	Drawn	Check	Approv

PROJECT:
Norwich to
Tilbury

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

Title:

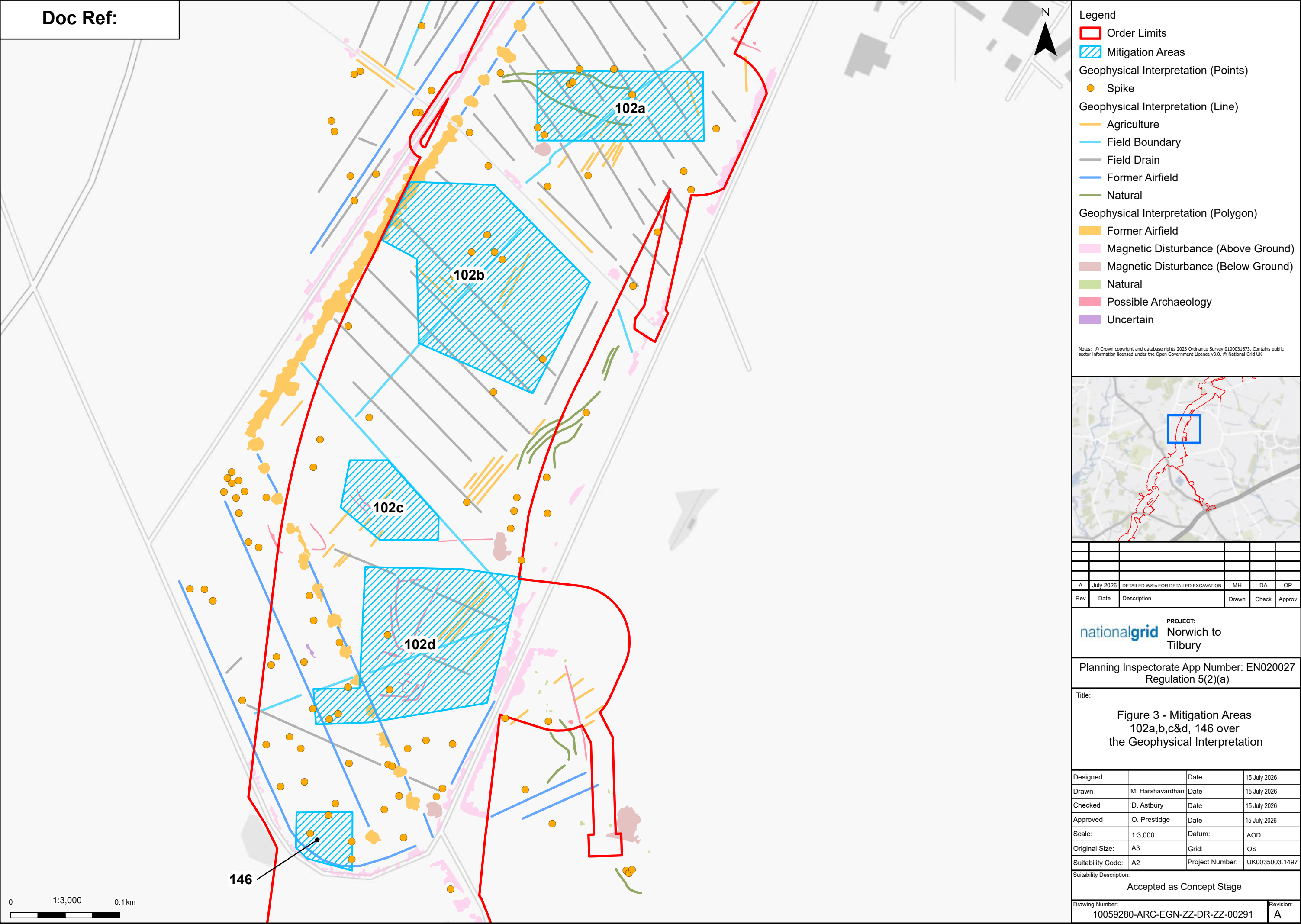
Figure 2b - Mitigation Areas 102c,
102d, and 146 over
Trial Trench Locations

Designed		Date	15 July 2026
Drawn	M. Harshavardhan	Date	15 July 2026
Checked	D. Astbury	Date	15 July 2026
Approved	O. Prestidge	Date	15 July 2026
Scale:	1:1,500	Datum:	AOD
Original Size:	A3	Grid:	OS
Suitability Code:	A2	Project Number:	UK0035003.1497

Suitability Description:
Accepted as Concept Stage

Drawing Number:	Revision:
10059280-ARC-EGN-ZZ-DR-ZZ-00291	A

Figure 3: Mitigation Areas 102a,b,c&d, 146 over the Geophysical Interpretation



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<u>Move To</u>	0
<u>Table Insert</u>	2
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