

Great North Road Solar and Biodiversity Park

Environmental Statement

Volume 4 – Technical Appendices


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of 4

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A11.1.1 INTRODUCTION

A11.1.1.1 PROJECT BACKGROUND

- 1 This document is an Archaeological Desk-Based Assessment of land north-west of Newark-on-Trent, Nottinghamshire (hereafter ‘the Order Limits’, **Figure A11.1.1a-d**), the Order Limits extend from Ossington in the north, Eakring in the west, and Cromwell in the east. It was produced by Wessex Archaeology.
- 2 This study is a technical appendix to the Environmental Statement (ES) chapter for the Great North Road Solar and Biodiversity Park (“the Development”), a proposed solar farm and associated infrastructure across an area of approximately 1,765 hectares (ha).

A11.1.1.2 DEVELOPMENT PROPOSALS

- 3 ES Chapter 5, Development Description, [EN010162/APP/6.2.5] sets out that the Development will comprise the installation of a series of ground-mounted solar PV panels within the Order Limits. Associated works will include a Battery Energy Storage System (BESS), inverter housings, switch gear, access tracks, compounds, underground cabling, security measures and other ancillary equipment and landscaping.

A11.1.1.3 SCOPE OF DOCUMENT

- 4 This assessment has been prepared in order to determine, as far as is possible from existing information, the nature, extent and significance of the archaeological resource within the Order Limits and its environs, and to provide an assessment of the potential impact of the Development on the heritage assets that embody that significance.
- 5 The Historic Environment, as defined in the National Planning Policy Framework¹ (2024): Annex 2, comprises:
 - 6 *‘all aspects of the environment resulting from the interaction between people and places through time, including all surviving physical remains of past human activity, whether visible, buried or submerged, and landscaped and planted or managed flora.’*
- 7 NPPF Annex 2 defines a Heritage Asset as:
 - 8 *‘a building monument, site, place, area or landscape identified as having a degree of significance meriting consideration in planning decisions, because of its heritage interest. Heritage assets include designated heritage assets and assets identified by the local planning authority (including local listing).’*

A11.1.1.4 AIMS

- 9 The specific aims of this assessment are to:

¹ Department for Levelling Up, Housing and Communities (DLUHC) [December] 2024. National Planning Policy Framework.
https://assets.publishing.service.gov.uk/media/67aaf8f3b41f783cca46251/NPPF_December_2024.pdf [accessed on 18/05/2025].

- Outline the known and potential heritage assets within the Order Limits based on a review of existing information within a defined study area (as shown in Figure A11.1.1);
- Assess the significance of known and potential heritage assets through weighted consideration of their valued components; and
- Make recommendations for strategies to mitigate potential adverse impacts arising from the proposed Development.

A11.1.2 METHODOLOGY

A11.1.2.1 INTRODUCTION

- ¹⁰ The methodology employed during this assessment was based upon relevant professional guidance, including the Chartered Institute for Archaeologists' Standard and guidance for historic environment desk-based assessment (CIfA 2014, revised 2020²).

A11.1.2.2 STUDY AREA

- ¹¹ A Study Area was established within a 1 km radius of the Order Limits as agreed with heritage stakeholders. The recorded historic environment resource within the Study Area was considered in order to provide a context for the discussion and interpretation of the known and potential archaeological resource within the Order Limits.

A11.1.2.3 SOURCES

- ¹² Several publicly accessible sources of primary and synthesised information were consulted. These comprised:
- The National Heritage List for England (NHLE), which is the only official and up to date database of all nationally designated heritage assets;
 - The Nottinghamshire Historic Environment Record (NHER), comprising a database of recorded archaeological sites, find spots, and archaeological events within the county (Obtained August 2023);
 - Relevant national, regional and thematic Research Frameworks (e.g., East Midlands Research Framework³);
 - National heritage datasets including the Archaeological Data Service (ADS), Heritage Gateway, OASIS, PastScape and the National Record of the Historic Environment (NRHE) Excavation Index;
 - Historic manuscripts, surveyed maps, LiDAR data, Aerial Photography, National Mapping Programme cropmark data and Ordnance Survey maps;
 - Relevant primary and secondary sources held in Wessex Archaeology's own library;
 - Phase 1 geophysical survey (see ES Technical Appendix A11.4) [EN010162/APP/6.4.11.4];
 - Phase 2 geophysical survey (see ES Technical Appendix A11.5) [EN010162/APP/6.4.11.5];

² Chartered Institute for Archaeologists 2014 (revised October 2020). Standards and guidance for historic environment desk-based assessment. <https://www.archaeologists.net/codes/cifa>

³ Knight, D, Vyner, B, and Allen, C. 2012. An updated Research Agenda and Strategy for the Historic Environment of the East Midlands. Buxton Press: Buxton

- Phase 1 evaluation (see ES Technical Appendix A11.6) [EN010162/APP/6.4.11.6]; and
- Phase 2 evaluation (see ES Technical Appendix A11.7) [EN010162/APP/6.4.11.7].

A11.1.2.4 SITE VISIT

- 13 The Order Limits were visited between the 30th of January and the 7th of March 2024. Weather conditions varied across the weeks but were generally dry and clear. A fieldwork record comprising digital photography [taken on the site visit?] is held in the project archive.
- 14 The aim of the Site visit was to assess the general aspect, character, condition and setting of the Order Limits and to identify any prior impacts not evident from secondary sources. The Site visit also sought to ascertain if the Order Limits contained any previously unidentified features of archaeological, architectural, or historic interest.

A11.1.2.5 SIGNIFICANCE

- 15 Significance (for heritage policy and as used in this assessment) is defined in NPPF Annex 2 as:
 - 16 *'The value of a heritage asset to this and future generations because of its heritage interest. The interest may be archaeological, architectural, artistic or historic. Significance derives not only from a heritage asset's physical presence, but also from its setting. For World Heritage Sites, the cultural value described within each site's Statement of Outstanding Universal Value forms part of its significance.'*
- 17 The interests as listed in the NPPF are further defined in Historic England's (2019) Statements of Heritage Significance: analysing significance in heritage assets⁴. These are:
 - Archaeological Interest: there will be archaeological interest in a heritage asset if it holds, or potentially holds, evidence of past human activity worthy of expert investigation at some point;
 - Architectural and Artistic Interest: these are interests in the design and general aesthetics of a place. They can arise from conscious design or fortuitously from the way the heritage asset has evolved. More specifically, architectural interest is an interest in the art or science of the design, construction, craftsmanship and decoration of buildings and structures of all types. Artistic interest is an interest in other human creative skill, like sculpture; and
 - Historic Interest: An interest in past lives and events (including prehistoric). Heritage assets can illustrate or be associated with them. Heritage assets with historic interest not only provide a material record of our nation's history but can also provide meaning for communities derived from their collective experience of a place and can symbolise wider values such as faith and cultural identity.

⁴ Historic England 2019. Statements of Heritage Significance: analysing significance in heritage assets. <https://historicengland.org.uk/images-books/publications/statements-heritage-significance-advice-note-12/>

- 18 This assessment was also informed by the advice published by Historic England in the document entitled Managing Significance in Decision-Taking in the Historic Environment: historic environment good practice advice in planning note 2 (2015)⁵.

A11.1.2.6 ASSUMPTIONS AND LIMITATIONS

- 19 Data used to compile this report consists of secondary information derived from a variety of sources, only some of which have been directly examined for the purposes of this study. The assumption is made that this data, as well as that derived from other secondary sources, is reasonably accurate.
- 20 The records held by the Nottinghamshire Historic Environment Record (NHER) are not a record of all surviving heritage assets, but a record of the discovery of a wide range of archaeological and historical components of the historic environment. The information held within it is not complete and does not preclude the subsequent discovery of further elements of the historic environment that are, at present, unknown. The data from NHER was obtained in August 2023 and checked for currency in June 2025

A11.1.2.7 COPYRIGHT

- 21 This report may contain material that is non-Wessex Archaeology copyright (e.g., Ordnance Survey, British Geological Survey, Crown Copyright), or the intellectual property of third parties, which Wessex Archaeology are able to provide for limited reproduction under the terms of our own copyright licences, but for which copyright itself is non-transferable by Wessex Archaeology. Users remain bound by the conditions of the Copyright, Designs and Patents Act 1988 with regard to multiple copying and electronic dissemination of the report.

A11.1.3 BASELINE RESOURCE

A11.1.3.1 THE ORDER LIMITS

- 22 The Order Limits comprise a series of interconnected irregular parcels of arable land equalling approximately 1,765 hectares (ha) in size. To accurately assess the entirety of the Order Limits the following baseline has been broken down into ten geographical locations, Areas 1 - 10. These areas are unrelated to the Development work no. areas and have been chosen in order to help assess the historic environment data in manageable amounts. The Areas can be seen outlined on **Figure A11.1.1a-d**.
- 23 Whilst Listed Buildings have been included in the following baseline, the effects of the Development on these assets are assessed in ES Technical Appendix A11.2 [EN010162/APP/6.4.11.2].
- 24 The following sections provide a summary of the recorded historic environment within the Study Area, compiled from the sources summarised above and detailed in the references section of this report. The likelihood of as-yet unrecorded archaeological remains within the Order Limits is informed

⁵ Historic England 2015. Managing Significance in Decision-Taking in the Historic Environment: historic environment good practice advice in planning note 2. <https://historicengland.org.uk/images-books/publications/gpa2-managing-significance-in-decision-taking/>

by the consideration of the known heritage assets within the Study Area, in conjunction with the geology and topography of the area.

- 25 Records obtained from the National Heritage List for England (NHLE), NHER and other sources are listed in Gazetteers for each area and illustrated in **Figures A11.1.2 – A11.1.12**.

A11.1.3.2 AREA 1

A11.1.3.2.1 Introduction

- 26 Area 1 is located in the south of the Study Area and is agricultural in character, with the settlement of Kelham to the south-east of the Order Limits. The River Trent traverses the south-east corner of Area 1 from the north-east to south-west, which is reflected in the topography of the area which rises from the river valley in the south-west at approximately 13 m above Ordnance Datum (aOD) to approximately 68 m aOD in the north-west of Area 1.
- 27 The underlying bedrock of Area 1 consists of the following Mercia Mudstone Groups: Mudstone, and Siltstone & Dolomitic. There are superficial deposits within the south-east of Area 1 consisting of Alluvium – Clay, Silt, Sand and Gravel, and Holme Pierrepont Sand and Gravels (British Geological Survey).

A11.1.3.2.2 Designated Heritage Assets

A11.1.3.2.2.1 Order Limits

- 28 There are no Designated Archaeological Assets within the Order Limits in Area 1.

A11.1.3.2.2.2 Study Area

- 29 There are 14 Listed Buildings within the Study Area of Area 1, these assets include two Grade I Listed Buildings, one Grade II* Listed Building and 11 Grade II Listed Buildings.
- 30 The Designated Heritage Assets of Area 1 are illustrated in **Figure A11.1.2d**.

A11.1.3.2.3 Previous Studies

A11.1.3.2.3.1 Order Limits

- 31 The NHER records a single previous study within the Order Limits in Area 1 comprising a fieldwalking exercise near Flash Farm (**ENT277; Figure A11.1.8d**).
- 32 Wessex Archaeology undertook a phase of geophysical surveys across various locations within the north-east part of Area 1⁶. This identified several archaeological features within the Study Area. Magnitude Survey also undertook a second phase of geophysical surveying in 2024⁷.

⁶ Wessex Archaeology, 2024. Phase 1 Geophysical Survey Results, Great North Road Solar Park. Appendix 11.3 of Chapter 11 Cultural Heritage and Archaeology of the Preliminary Environment Impact Report (PIER).

⁷ Magnitude Surveys, 2024. Interim Geophysical Survey Report, Great North Road Solar Farm

- 33 York Archaeology undertook the Phase 2 programme of archaeological evaluation (trial trenching), within Area 1 in 2025. A total of 14 trenches were identified as containing archaeological features comprising pits and ditches, which were unable to be dated⁸.

A11.1.3.2.3.2 Study Area

- 34 The NHER contains entries on a small number of investigations which have been carried out within the Study Area within Area 1. These include a series of works within the grounds of Kelham Hall to the south-east of the Order Limits (**ENT4602**, **ENT4603**, **ENT4604**), as well as a watching brief, and further fieldwalking around the settlement of Kelham (**ENT3947**, **ENT3551**, **ENT279** and **ENT278**).
- 35 Where relevant, the results of these investigations are discussed in further detail below in the archaeological and historical context.
- 36 Previous archaeological investigations carried out within the Study Area are illustrated in **Figure A11.1.8a-d**.

A11.1.3.2.4 Archaeological and Historical Context

A11.1.3.2.4.1 Prehistoric (970,000 BC-AD 43) (Figure A11.1.3d)

- 37 The early prehistoric periods from the Palaeolithic to the Mesolithic are generally associated with hunter-gatherer patterns of exploitation and shifting seasonal settlement. As a result, evidence from this period, particularly in Nottinghamshire, is often ephemeral and difficult to identify. However, an increase in evidence of Palaeolithic activity has been recorded particularly within the River Gravels present along the banks of the River Trent. To the south-east of the Study Area, on the western bank of the River Trent at Farndon Fields, a nationally important Palaeolithic campsite has indicated that hunter-gatherer communities may have migrated between the River Trent Valley and the noted Palaeolithic cave sites in the north-east of the county during this period⁹.
- 38 Similar patterns within the landscape have been observed during the Mesolithic period, once again notably around the River Trent Valley, these sites are characterised largely by surface-level lithic finds that have been primarily identified during field-walking activities¹⁰. Whilst the majority of archaeological investigations for these periods have been undertaken at cave sites such as Creswell Craggs, it is worth noting that landforms such as Paleo-channels within areas such as the Trent Valley could provide the geoarchaeological conditions to preserve evidence of Mesolithic organic material which may provide evidence to greater understand areas of the Mesolithic which have until now been sparse; economy, society and the changing environment¹¹.

⁸ York Archaeology, 2025. Interim Report for Archaeological Evaluation, Great North Road Solar Park.

⁹ Knight, D and Spence, U. 2013. 'Aggregates and Archaeology in Nottinghamshire' Historic England Research Reports. Historic England: Oxford.

¹⁰ Knight, D and Spence, U. 2013. 'Aggregates and Archaeology in Nottinghamshire' Historic England Research Reports. Historic England: Oxford.

¹¹ Knight, D and Spence, U. 2013. 'Aggregates and Archaeology in Nottinghamshire' Historic England Research Reports. Historic England: Oxford.

- 39 There are no known finds from these periods within Area 1.
- 40 The earliest dated finds recorded within Area 1 date to the Neolithic period, with a series of findspots within the east of the Study Area. Identified during fieldwalking activities these are finds recovered from the surface and include collections of flints (**L11114**, **L11340**, **L11856**), an axehead (**L8313**) and two stone axes (**L3121**, **L3122**).
- 41 The earliest recorded activity within the Order Limits, lies along the eastern border of Area 1 and Area 10, with substantial evidence of two Iron Age settlements present (**M2968**, **M2966**). The northern settlement (**M2966**) was identified via aerial photographic analysis by a series of enclosures and hut circles, along with a possible hengiform feature in the form of a double-ring ditch. Geophysical survey undertaken by Wessex Archaeology¹², indicated the presence of the hengiform feature.
- 42 The southern settlement (**M2968**) was also identified via aerial photographic analysis, with a series of cropmarks outlining parallel linear features of a large sub-rectangular enclosure subdivided internally. The southern settlement has not been subject to archaeological investigation.
- 43 Further Iron Age activity has been noted as within the NHER as pottery sherds found during fieldwalking activity (**L11339**).

A11.1.3.2.4.2 Romano-British (AD43-410) (Figure A11.1.3d)

- 44 The start of the Roman occupation in England is traditionally dated to the surrender of the tribes at Colchester during campaigns of the Roman army in AD 43 under the imperial command of Claudius.
- 45 Whilst no Romano-British activity has been identified within the Order Limits itself, areas of Romano-British settlement have been identified via aerial imagery within the Study Area around the settlements of Kelham and Averham (**M8317**, **M8320**). These settlements have been identified through the form of cropmarks; however, no surface finds were located during site visits.
- 46 Romano-British finds have been found elsewhere within Area 1 via fieldwalking activities, with surface level pottery sherds located within proximity to the identified cropmarks (**L11145**, **L11341**, **L11858**).

A11.1.3.2.4.3 Anglo-Saxon (AD410-1066) and Medieval (1066-1500) (Figure A11.1.4d)

- 47 There is a general paucity of Anglo-Saxon finds within the region, however, finds uncovered during archaeological evaluations within Kelham Hall Park and Garden, have provided evidence of a substantial settlement present at Kelham during the Anglo-Saxon period. This corroborates Domesday Survey evidence of a large settlement in the area by 1086. Archaeological evaluation uncovered a variety of Anglo-Saxon pottery, Torksey-type wares, largely dating to the 9th and 10th centuries. Furthermore, environmental samples have identified high numbers of mixed cereal grains and low quantities of wild species, evidence of cultivation during this period

¹² Wessex Archaeology, 2024. Phase 1 Geophysical Survey Results, Great North Road Solar Park. Appendix 11.3 of Chapter 11 Cultural Heritage and Archaeology of the Preliminary Environment Impact Report (PIER).

(**MNT27612 – 8**). The lack of chaff and the nature of the pottery assemblage suggests the area was primarily domestic in character.

- 48 Within the wider Study Area only one identified Anglo-Saxon findspot was located to the east of the Order Limits in the north of Area 1. The findspot consists of a collection of Anglo-Saxon pottery sherds, mixed within a collection of later medieval pottery sherds (**L11859**).
- 49 During the medieval period, Area 1 lay within the manor of Kelham. The manor had a total of 43 households, consisting of 5 villagers, 26 freemen and 12 smallholders, making it one of the larger settlements in the area. The manor was significant in terms of landholding, with 17.9 taxable plough teams¹³, meadows and woodlands. Given the manor's size, the extent of land under cultivation, and the Order Limits within Area 1's proximity to the village centre, it would have been part of the agricultural land utilised during the medieval period.
- 50 Within Kelham, the Church of St Wilfrid, is the only recorded evidence from the medieval period with elements of the existing building such as within the nave, tower, clerestory and west tower (**NHLE 1302213/L3146**) dated to the 14th century.
- 51 Medieval finds within Area 1 are largely defined by surface-level pottery located across the south of the Area. One of these pottery finds was within the Order Limits in the south (**L8319**). These are likely to be objects defined as casual loss during agricultural activities such as ploughing.

A11.1.3.2.4.4 Post-medieval (AD 1500-1800)- 19th century (AD 1800-1900)
(Figure A11.1.5d/A11.1.6d)

- 52 Evidence would suggest that there was a continuation of occupation and land use from the medieval through to the post medieval period. Within Area 1, the known centre of medieval settlement, Kelham, contains a number of residential buildings and features that are known to be post-medieval in date. Grove Cottage (**M14639**), 4 & 6 Blacksmith Lane (**M13795**), The Old Post Office (**M16958**) are all examples of residential properties built post-1500.
- 53 There are a number of records relating to Kelham Hall, situated in the south-east of Area 1, 420 m from the Order Limits (**M17816**). Kelham Hall belonged to the Sutton family in the early post-medieval period, with documentary evidence suggesting a hall was situated in this location from 1674. This original hall was rebuilt in the Georgian style in 1730 (**L9748**), and alterations were made to the rebuilt hall during the early 19th century including a Jacobean style servants wing and an ornamental roof, however in 1857 the house was destroyed by fire. Following the fire, George Gilbert Scott began work on rebuilding the hall however, due to a lack of funds the work was never fully completed (**M13970**). Following the rebuilding of the hall, William Andrews Nesfield was commissioned in 1860 to design the surrounding landscape, some features present within his designs were constructed however, the majority were never actualised within the park.

¹³ When Domesday refers to number of ploughs it is referring to the taxable amount of land that can be ploughed by a team of eight oxen. Modern day estimates place a ploughland at approximately 120 acres, though this can vary depending on soil conditions and other factors. By using this number as a guide, Kelham had 2148 acres of taxable arable land.

- 54 Within the Order Limits there is evidence of post-medieval gunflints within the east of the Order Limits within Area 1, potentially related to Civil War activity within the wider landscape (**L11115**). Further north, evidence of a post-medieval brickyard plantation is present within the Order Limits (**M3158**, **L3158**). The presence of a former brickyard on the site can be evidenced by the presence of a small wood which grows up on the site of old clay holes, created through the brickmaking process¹⁴.

A11.1.3.2.4.5 Undated (Figure A11.1.7d)

- 55 There is a large number of undated features recorded within the NHER Data, this is due in part to the high level of aerial imagery analysis that has been undertaken throughout the landscape, and also in part due to the extensive investigations that have occurred within the bounds of Kelham Park and Gardens. Investigations within Kelham Park and Gardens have identified a high number of undated pits, postholes, and ditches within the area. The provenance and nature of these features have yet to be confirmed and as such it is not known how this relates to the existing archaeological record.
- 56 Within the Order Limits, aerial imagery analysis, have identified a number of cropmarks, indicating a number of potential archaeological features including sub-rectangular and square enclosures (**L8327**, **L9741**), boundaries (**L8319**), and ditches (**L8312**). As these have not been subject to intrusive archaeological investigation the provenance and nature of these features have not yet been confirmed. These will be investigated as part of the further evaluation, which forms the first stage of the TA A11.8 Archaeological Mitigation Strategy (AMS) [EN010162/APP/6.4.11.8] which will be secured as a Requirement in the DCO.

A11.1.3.2.5 Area 1: Gazetteer

Table A11.1.1 Area 1 NHLE Data

List Entry	Name	Grade	Easting	Northing
1045982	Kelham Hall	I	477435	355511
1302213	Church Of St Wilfrid	I	477377	355391
1045983	Gazebo And Garden Wall At Kelham Hall	II*	477513	355543
1045985	Blacksmith Cottage	II	477493	355722
1045986	4,6,8, Blacksmith Lane	II	477508	355765
1045987	Farm Buildings At Home Farm	II	477314	355705
1045988	Kelham Bridge	II	477602	355652
1178868	Seven Garden Urns At Kelham Hall	II	477450	355505
1178929	Stable At No 6	II	477368	355752
1178966	Thirty-Six Railing Piers At Kelham Hall	II	477442	355677

¹⁴ Smith DM. 1965. The Industrial Archaeology of the East Midlands. p 251

List Entry	Name	Grade	Easting	Northing
1178972	Manor Farm House	II	477395	355785
1302194	6, Main Street	II	477381	355739
1369983	Railing And Gate At No 6	II	477380	355721
1369984	Lodge And Gateway At Kelham Hall	II	477387	355692

Table A11.1.2 Area 1 NHER Monument Data

Reference	Name	Period	Easting	Northing
L11114	Neolithic / Early BA Flints From Kelham	Neolithic	477400	356350
L11340	Late Neo / Early BA Flints From Fieldwalking, Priest Ings, Kelham	Neolithic	477450	355950
L3121	Stone Axe From Kelham	Neolithic	477600	355700
L3122	Stone Axe From Kelham	Neolithic	477500	355800
L11856	Worked Flint From Fields II, 5600 And 7300, Kelham And South Muskham	Neolithic	476800	357000
L8313	Flint Axehead From Averham	Neolithic	475400	355400
L11339	Iron Age Pottery From Fieldwalking, Priest Ings, Kelham	Iron Age	477450	355950
M2966	Settlement At South Muskham	Iron Age	477531	356879
M2968	Settlement At South Muskham	Iron Age	477553	356468
L11145	Roman Pottery From Field 5800(S), South Muskham	Romano-British	477420	356950
L11341	Roman Pottery From Fieldwalking, Priest Ings, Kelham	Romano-British	477450	355950
L11858	Roman Pottery From Fields II And 5600, South Muskham And Kelham	Romano-British	476800	357000
M8317	Roman Settlement At Averham	Romano-British	476600	355300
M8320	Settlement At Kelham	Romano-British	476800	355700
M8317	Roman Settlement At Averham	Romano-British	476601	355353
M8320	Settlement At Kelham	Romano-British	476877	355720

Reference	Name	Period	Easting	Northing
L11859	Saxo-Norman And Medieval Pottery From Kelham/South Muskham	Anglo-Saxon	476800	357000
L11153	Medieval And Post Medieval Pottery From Kelham	Medieval	477530	356370
L11155	Medieval Pottery From Field 5800(S), South Muskham	Medieval	477560	356830
L11342	Medieval Pottery From Fieldwalking, Priest Ings, Kelham	Medieval	477450	355950
L12356	Medieval Pottery And Undated Ditch At Kelham	Medieval	477340	355700
L3146	Church Of St Wilfrid At Kelham	Medieval	477380	355390
L9879	C15th Chancel Screen at the Church of St Wilfrid, Kelham	Medieval	477380	355390
L8318	Find Scatter From Averham	Medieval	475600	355300
M3146	Church Of St Wilfrid, Kelham	Medieval	477376	355390
M13795	4 & 6 Blacksmith Lane	Post-medieval	477500	355750
M14639	Grove Cottage	Post-medieval	477220	355695
L11115	Post Medieval Gunflints From Kelham	Post-medieval	477400	356350
L12357	Medieval Or Post Medieval Ditches, Pits And Other Features At Kelham	Post-medieval	477300	355700
L12358	Late Post Medieval / Modern Features At Kelham	Post-medieval	477300	355700
M3246	Smithy At Kelham	Post-medieval	477500	355720
L3246	Map Depiction Of Smithy At Kelham	Post-medieval	477500	355720
M3247	Glasshouse & Conservatories At Kelham Hall	Post-medieval	477400	355530
M5639	C17 Bridge At Kelham	Post-medieval	477600	355350
M17816	Kelham Hall, First Building	Post-medieval	477430	355540
L3247	Map Depiction Of Glasshouse At Kelham Hall	Post-medieval	477400	355530

Reference	Name	Period	Easting	Northing
L5639	Site Of C17 Bridge At Kelham	Post-medieval	477600	355350
L9748	Building At Kelham Hall, 1731-1857	Post-medieval	477430	355540
L9880	C18th alterations at the Church of St Wilfrid, Kelham	Post-medieval	477380	355390
L11860	Post Medieval / Modern Pottery From Kelham/South Muskham	Post-medieval	476800	357000
M3158	Brickyard At Kelham	Post-medieval	477100	357100
L3158	Brickyard Plantation At Kelham	Post-medieval	477100	357100
M3233	Glasshouses At Kelham Nursery, Kelham	Post-medieval	477110	355930
M3244	Glasshouse, The Red House, Kelham	Post-medieval	476970	355510
L3233	Map Depiction Of Glasshouses At Kelham Nursery, Kelham	Post-medieval	477110	355930
L3244	Map Depiction Of Glasshouse, The Red House, Kelham	Post-medieval	476970	355510
L3245	Earthworks At The Red House, Kelham	Post-medieval	476940	355460
M3229	Two Wells & Pump At Kelham Hills Farm, Kelham	Post-medieval	476120	356770
M3230	Icehouse At Kelham Hills	Post-medieval	476390	356360
M3231	Brickworks At Kelham	Post-medieval	476650	356520
L3229	Map Depiction Of Wells & Pump At Kelham Hills Farm, Kelham	Post-medieval	476120	356770
L3230	Building At Kelham Hills	Post-medieval	476390	356360
L3231	Map Depiction Of Brickworks At Kelham	Post-medieval	476650	356520
M13798	Stable At No 6 Main Street	Post-medieval	477368	355752
M16958	The Old Post Office	Post-medieval	477230	355755
M13796	6 Main Street	Post-medieval	477381	355738

Reference	Name	Period	Easting	Northing
M9227	Manor Farm House	Post-medieval	477398	355785
M17885	8 Blacksmith Lane	Post-medieval	477508	355763
M17158	Trentside Farmhouse	Post-medieval	477511	355841
M9222	Blacksmith Cottage	Post-medieval	477495	355722
M13969	Former Monastic Buildings Adjoining Kelham Hall	Post-medieval	477402	355573
M9223	Farm Buildings At Home Farm	Post-medieval	477295	355707
M18625	Corner Farm	Post-medieval	477283	355779
M9226	Kelham Bridge	Post-medieval	477593	355653
MNT26671	Park At Kelham Hall	Post-medieval	477230	355229
M13970	Kelham Hall, 1861	19th century	477430	355540
M13797	Railing And Gate At No 6 Main Street	19th century	477392	355733
M9224	Lodge And Gateway At Kelham Hall	19th century	477387	355693
M9225	36 Railing Piers At Kelham Hall	19th century	477435	355680
M17817	Kelham Hall Service Wing	19th century	477442	355534
M13794	7 Garden Urns At Kelham Hall	19th century	477450	355505
M13793	Gazebo And Garden Wall At Kelham Hall	19th century	477508	355544
M9221	Garden Boundary Wall At Kelham Hall	19th century	477512	355481
L10523	Pillbox At Kelham	Modern	477625	355823
L10524	Pillbox At Kelham Hall	Modern	477400	355300
MNT27613	Pit From Saxon Settlement	Undated	477316	355543
MNT27614	Pit From Saxon Settlement At Kelham Hall	Undated	477308	355510

Reference	Name	Period	Easting	Northing
MNT27615	Pit Or Post Hole From Saxon Settlement At Kelham Hall	Undated	477250	355488
MNT27616	Pit From Saxon Settlement At Kelham Hall	Undated	477254	355487
MNT27617	Pit From Saxon Settlement At Kelham Hall	Undated	477246	355488
MNT27618	Ditch From Saxon Settlement At Kelham Hall	Undated	477467	355439
MNT27619	Undated Pits	Undated	477469	355519
MNT27620	Pit	Undated	477403	355530
MNT27621	Pit Sequence	Undated	477315	355546
MNT27623	Undated Pits	Undated	477319	355540
MNT27624	Undated Ditches	Undated	477320	355539
MNT27625	Post Holes	Undated	477291	355526
MNT27626	Pits	Undated	477288	355526
MNT27627	Features Related To 20th C. Driveway Construction	Undated	477265	355567
MNT27628	Undated Postholes And Pit	Undated	477263	355564
MNT27629	Undated Ditches	Undated	477261	355561
MNT27630	Possible Ditch Terminus And Pit	Undated	477260	355557
MNT27631	Undated Pits	Undated	477232	355553
MNT27632	Ditch Or Possible Furrow	Undated	477234	355552
MNT27633	Undated Pit	Undated	477238	355549
MNT27634	Undated Ditch	Undated	477242	355547
MNT27635	Early Modern Ditch	Undated	477164	355448
MNT27636	Undated Postholes	Undated	477151	355364
MNT27637	Undated Ditches	Undated	477153	355368
MNT27638	Undated Pits	Undated	477150	355359
MNT27639	Undated Ditches	Undated	477155	355372
MNT27640	Early Modern Pits	Undated	477158	355378
MNT27643	Undated Pit	Undated	477159	355376
MNT27644	Undated Ditch	Undated	477464	355439
MNT27645	Undated Pits	Undated	477465	355435
L11190	Fire Cracked Stones From Kelham	Undated	477530	356370

Reference	Name	Period	Easting	Northing
L11229	Fire-Cracked Pebbles From Field 5800 (S), South Muskham	Undated	477560	356830
L2966	Cropmark Complex At South Muskham	Undated	477500	356800
L2968	Linear Features At South Muskham	Undated	477500	356500
L8325	Linear Features And Ring Ditch At Little Carlton	Undated	477400	357400
L8329	Sub Rectangular Enclosures At South Muskham	Undated	477350	356750
L8331	Cropmark Complex At South Muskham	Undated	477600	356300
M3248	Well Near Kelham Bridge, Kelham	Undated	477710	355580
L3248	Map Depiction Of Well, Kelham	Undated	477710	355580
L3249	Oval Depression At Kelham	Undated	477680	355540
L7838	Earthwork At Kelham	Undated	477720	355560
M2964	Quarry At Little Carlton	Undated	477200	357850
M3232	Well At Debdale Hill, South Muskham	Undated	476770	357320
L2964	Enclosures & Linear Features At Little Carlton	Undated	477200	357850
L3232	Map Depiction Of Well At Debdale Hill, South Muskham	Undated	476770	357320
L9741	Cropmarks At Kelham	Undated	477000	356350
L8315	Cropmark Complex At Averham	Undated	476200	355400
M2959	Settlement At Kelham	Undated	476600	356000
M3242	Well At Kelham	Undated	476660	355840
M3243	Well At Kelham	Undated	476540	355740
M8315	Settlement At Averham	Undated	476200	355400
L2958	Enclosures At Kelham	Undated	476900	355300
L2959	Cropmark Complex At Kelham	Undated	476600	356000
L3242	Map Depiction Of Well At Kelham	Undated	476660	355840
L3243	Map Depiction Of Well At Kelham	Undated	476540	355740
L8317	Cropmark Complex At Averham	Undated	476600	355300
L8320	Cropmark Complex At Kelham	Undated	476800	355700
L9740	Enclosures At Kelham	Undated	476470	355670

Reference	Name	Period	Easting	Northing
L9742	Finds From Averham	Undated	476200	355400
M3240	Well At Averham	Undated	475730	355370
M8312	Farmstead At Averham	Undated	475600	355300
L3217	Frog Abbey	Undated	475250	356080
L3240	Map Depiction Of Well At Averham	Undated	475730	355370
L8312	Cropmark Complex At Averham	Undated	475600	355300
L8319	Enclosure At Averham	Undated	476000	355600
L11853	Fire Cracked Pebbles From Fields II, 7300 And 5600, South Muskham/Kelham	Undated	476700	356900
M3222	Well At Cold Harbour, South Muskham	Undated	475710	357830
L3222	Map Depiction Of Well At Cold Harbour , South Muskham	Undated	475710	357830
MNT27588	The Fox Inn	Undated	477425	355716
MNT27612	Saxon Settlement At Kelham	Undated	477269	355520
M18626	Ivy Cottage, Kelham	Undated	477355	355749
M18627	Wheelright Shop, Kelham	Undated	477534	355751
L8327	Enclosures At South Muskham	Undated	477695	357070
L8323	Cropmark Complex At Little Carlton	Undated	477529	357721
L2963	Linear Features At South Muskham	Undated	477591	358053
L7838	Earthwork At Kelham	Undated	477735	355523
L2964	Enclosures & Linear Features At Little Carlton	Undated	477186	357808
L9741	Cropmarks At Kelham	Undated	477018	356326
L8329	Sub Rectangular Enclosures At South Muskham	Undated	477358	356739
L8325	Linear Features And Ring Ditch At Little Carlton	Undated	477415	357434
M8316	Farmstead At Averham	Undated	476244	355229
L2958	Enclosures At Kelham	Undated	476898	355285
M2959	Settlement At Kelham	Undated	476637	355951
M8315	Settlement At Averham	Undated	476263	355443
M8312	Farmstead At Averham	Undated	475585	355356

Reference	Name	Period	Easting	Northing
M8314	Settlement At Averham	Undated	475997	355149
L8319	Enclosure At Averham	Undated	475982	355614

Table A11.1.3 Area 1 NHER Event Data

Event ID	Name	Event Types
ENT4359	Land At Flash Farm, Nottinghamshire, Archaeological Geophysical Survey 2014	Geophysical Survey
ENT4602	Geophysical Survey Of Land Around Kelham Hall	Geophysical Survey
ENT4603	Metal Detecting In Land Around Kelham Hall	Metal Detecting
ENT4604	Trial Trenching At Park At Kelham Hall	Trial Trenching
ENT1034	Watching Brief Along Ollerton Road, Little Carlton	Watching Brief
ENT277	Field Walking In Averham And Kelham Parishes	Fieldwalking Survey (Unspecified)
ENT279	Field Walking In Averham Parish 2	Fieldwalking Survey (Unspecified)
ENT3551	Fieldwalking On Water Main Replacement Between Kelham And Newark, By TPAT	Systematic Fieldwalking Survey
ENT3754	Fieldwalking At Fields II, 7300 And 5600, Kelham And South Muskham By TPAT	Systematic Fieldwalking Survey
ENT3974	Watching Brief On Groundworks For Residential Development, Kelham, By APS	Watching Brief
ENT479	Magnetic Susceptibility Survey At Manor House Farm, Little Carlton	Geophysical Survey

A11.1.3.2.6 Area 1: Plates



Plate 1) View of north-western fields within Latham Farm, looking east



Plate 2) Farm structures within Latham Farm, looking south-east



Plate 3) View across south-eastern fields within Latham Farm, looking south-west



Plate 4) View of electricity pylons within the south-eastern fields within Latham Farm, looking north-east



Plate 5) View of wooded area and pond in south-eastern corner of Latham Farm, looking west



Plate 6) View of fields west of Broadgate Lane, looking north-west

A11.1.3.3 AREA 2

A11.1.3.3.1 Introduction

- 58 Area 2 is located in the south of the Study Area. The land within the Order Limits is agricultural in character, with the settlement of Averham to the east of the Site. The River Trent traverses the north-east corner of Area 2 flowing from south to north, which is reflected in the topography of the area which is characterised as lying within the river valley at approximately 13 – 14 m aOD across the Area.
- 59 The underlying bedrock of Area 2 consists of the following Mercia Mudstone Groups: Mudstone, and Siltstone & Dolomitic, as well as Gunthorpe Member: Mudstone. There are superficial deposits across the whole of the Area consisting of Alluvium – Clay, Silt, Sand and Gravel, and Holme Pierrepont Sand and Gravels (British Geological Survey).

A11.1.3.3.2 Designated Heritage Assets

A11.1.3.3.2.1 Order Limits

- 60 There are no Designated Archaeological Assets within the Order Limits in Area 2.

A11.1.3.3.2.2 Study Area

- 61 There are seven Designated Heritage Assets within the Study Area of Area 2, including one Scheduled Monument, one Grade I Listed Building, and five Grade II Listed Buildings.
- 62 The Scheduled Monument within the Study Area of Area 2 is the Averham Moat and Enclosure (NHLE 1017687) which is located approximately 370 m north-east of the Order Limits and includes the moated site of Averham manor and the adjacent enclosure which extends to the south-east.
- 63 The Designated Heritage Assets of Area 2 are illustrated in **Figure A11.1.2d**.

A11.1.3.3.3 Previous Studies

A11.1.3.3.3.1 Order Limits

- 64 The only event recorded on the NHER inside the Order Limits, within Area 2, is a watching brief which took place within the bounds of the Staythorpe Electrical Substation (**ENT4079**). There was limited archaeological evidence identified during these works, and any results are discussed below within the archaeological and historical context. More recently evaluation has taken place on the proposed Staythorpe BESS site which recorded some Neolithic remains.

A11.1.3.3.3.2 Study Area

- 65 There have been a number of archaeological events within the Study Area, within Area 2. These events have been largely focussed on the east of the Study Area around the settlement of Averham, including a series of trial trenching, watching briefs, and geophysical surveys. Further investigations

have also taken place within the bounds of the Staythorpe Electrical Substation, including instances of geophysical surveying and fieldwalking.

- 66 Where relevant, the results of these investigations are discussed in further detail below in the archaeological and historical context.
- 67 Previous archaeological investigations carried out within the Study Area are illustrated in **Figure A11.1.8d**.

A11.1.3.3.4 Archaeological and Historical Context

A11.1.3.3.4.1 Prehistoric (970,000 BC- 43AD) Figure A11.1.3d

- 68 The location of Area 2 within the riverine environment of the River Trent would have been attractive to early prehistoric hunter-gatherer societies who favoured river valley environments.
- 69 There have been a limited number of Palaeolithic finds identified within Area 2, those finds include a findspot of Palaeolithic flints (**L12050**) located approximately 335 m east of the Order Limits. Within the south of the Order Limits, in Area 2, a variety of zooarchaeological finds discovered within peat and sand deposits have been dated to the early prehistoric (**L11266**). A small palaeolithic flint find was identified within the same deposits as the zooarchaeological finds (**L11267**).
- 70 A number of Mesolithic finds have been identified outside of the Order Limits in Area 2, to the south of the Order Limits within the vicinity of a paleochannel including a human femur, timbers, and animal bones (**L12287**). The animal bones, thought to be from a Roe Deer, are noted as having typical skinning marks on them.
- 71 A limited level of Neolithic finds have been identified in the east of Area 2, outside of the Order Limits, including two isolated flint finds (**L5687**, **L3108**) and a one sherd of pottery (**L12132**). Similar levels of isolated finds have been identified from the Bronze Age along the western banks of the River Trent largely typified as flint finds (**L3003**), zooarchaeological finds (**L12288**), and a bronze sword (**L3112**).
- 72 The later prehistoric periods (Bronze Age & Iron Age) are traditionally seen as the time of technological change, with the transition away from hunter-gathering to establishing farming and settled communities. A possible Iron Age settlement has been identified approximately 500 m to the west of the Order Limits in Area 2, via Aerial Imagery a small complex of linear features, and several circular or subcircular features have been identified indicating potential hut circles typical of Iron Age settlements (**M3057**).

A11.1.3.3.4.2 Romano-British (AD43-410) (Figure A11.1.3d)

- 73 As mentioned previously, there is evidence of a small Romano-British settlement present within Kelham, to the north of Area 2. Whilst no further settlement activity has been identified within the Study Area, a series of scattered finds of Romano-British pottery (**L3456**, **L11268**, **L12134**, **L11722**, **L8807**, **L11268**) have been identified to the south of the possible settlement, indicating that the landscape within Area 2 was likely traversed regularly during the period and possibly formed part of the agricultural hinterland of the settlement.

- 74 No further Romano-British finds have been identified throughout the Order Limits or Study Area within Area 2.

A11.1.3.3.4.3 Anglo-Saxon (AD 410-1066)- Medieval (AD 1066-1500) Figure A11.1.4d

- 75 There are no recorded finds or features dating to the Anglo-Saxon period within Area 2, however, two settlements are recorded in the 1086 Domesday Survey, indicating established settlement activity within the Anglo-Saxon period.
- 76 During the medieval period, Area 2 lay within the manors of both Averham and Staythorpe. The manor of Averham, situated to the east of the Order Limits, had a total of 57 households, consisting of 21 villagers, 13 freemen, 22 smallholders, and 1 priest, making it one of the larger settlements in the area. The manor had a significant number of landholdings, with 20 taxable plough teams¹⁵, meadows and woodlands.
- 77 The manor of Staythorpe, situated to the south-west of the Order Limits, had a total of 16 households, consisting of 12 villagers and 4 smallholders. Due to the smaller size of the settlement, the number of landholdings held by the manor were significantly less than Averham, with only 7.5 taxable plough teams, and 600 acres of meadow.
- 78 Given the manor's size, the extent of land under cultivation, and the Order Limit's proximity to the village centre, it is likely that the majority of the Order Limits would have formed part of Averham's landholdings during this period, with possibly a smaller section in the south-west of the Order Limits forming part of Staythorpe. However, it is expected in both manors that the Order Limits would have been part of the agricultural land utilised during the medieval period.
- 79 There is no recorded evidence of the medieval period within the settlement of Staythorpe. However, in Averham, the Church of St Michael (**NHLE 1046008/ L3157**) has evidence of its construction in the 14th and 15th centuries, as well as documentary sources indicating its previous Anglo-Saxon origins. Elsewhere in Averham, there is extensive earthwork evidence indicating the presence of a moated site possibly the Manor of Averham, these earthworks include the foundations of the possible manor and fragments of tile (**M3010**).
- 80 Medieval finds across Area 2 are largely defined by surface level flint scatters located predominantly within the vicinity of Averham in the east of the Area. Limited recorded evidence of Medieval pottery finds were within the Order Limits, within the south (**L11269**). These are likely to be objects defined as casual loss during agricultural activities such as ploughing.

¹⁵ When Domesday refers to number of ploughs it is referring to the taxable amount of land that can be ploughed by a team of eight oxen. Modern day estimates place a ploughland at approximately 120 acres, though this can vary depending on soil conditions and other factors. By using this number as a guide, Averham had 2400 acres of taxable arable land, Staythorpe had 900 acres of taxable arable land

A11.1.3.3.4.4 Post-medieval (AD 1500-1800) – 19th century (AD 1800-1900) (Figure A11.1.5d/A11.1.6d)

- 81 Evidence would suggest that there was a continuation of occupation and land use from the medieval through to the post-medieval period. Within Area 2 the known centres of medieval settlement, Averham and Staythorpe, contain a number of residential buildings and features that are known to be post-medieval in date. Manor Farmhouse (**M14334**) and Staythorpe House Farmhouse (**M17126**) in Staythorpe, and Yew Tree Cottage (**NHLE 1046005/M9192**) and The Old Forge (**M15055**) in Averham are all examples of residential properties built post-1500.
- 82 Outside of residential and agricultural features there is limited evidence of any other post-medieval activity throughout Area 2, aside from the possible site of a Civil War Redoubt, on the eastern banks of the River Trent approximately 500 m from the Order Limits(**M5672**). A redoubt was a typical Civil War fort, consisting of an enclosed defensive emplacement outside a larger fort. These structures usually relied on earthworks rather than stone or brick. There are no surface-level remains of the Redoubt within the noted location however there is still potential for below-ground features to be present.
- 83 The position of the finds throughout the landscape, largely to the east of the Order Limits indicates that this area continued to form part of the agricultural landscape of Averham and to a lesser extent Staythorpe throughout this period.

A11.1.3.3.4.5 Modern (AD1900-present day) (Figure A11.1.6D)

- 84 During the Second World War (WWII) there is a recorded aircraft crash within the Study Area, close to the Staythorpe Power Station in the south of the Study Area. Whilst the location assigned by the NHER falls outside of the Order Limits it is possible the actual location of the crash fell within them.

A11.1.3.3.4.6 Undated (Figure A11.1.7d)

- 85 There are a large number of undated features recorded within the NHER Data, this is due in part to the high level of aerial imagery analysis that has been undertaken throughout the landscape. Within the boundary of the Order Limits itself several undated features of possible archaeological origin have been identified via aerial imagery. Within the south of the Order Limits, a possible section of an enclosure with internal features (**L5688**), and in the north a heavily pitted area with a possible sub-rectangular enclosure and series of irregular linear features (**L2999**). There are also several enclosures and linear features across the north of the Order Limits as noted by the National Mapping Programme (**L9706**, **L9707**, **L9708**). As these have not been subject to intrusive archaeological investigation the provenance and nature of these features have not yet been confirmed.

A11.1.3.3.5 Area 2: Gazetteer

Table A11.1.4 Area 2 NHLE Data

List Entry	Name	Grade	Easting	Northing
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1046008	Church Of St Michael	I	476812	354367
1046005	Yew Tree Cottage	II	476504	354494
1046006	Rectory Cottage	II	476678	354392
1046007	The Old Rectory	II	476752	354365
1369954	Lych Gate At Church Of St Michael	II	476789	354337
1370184	The Manor House	II	475269	353968
1017687	Averham Moat And Enclosure	Scheduled Monument	476550	354347

Table A11.1.5 Area 2 NHER Monument Data

Reference	Name	Period	Easting	Northing
L5686	Worked Flint From Kelham	Palaeolithic	477550	354600
L11266	Bones From Staythorpe	Prehistoric	476020	353870
L11267	Prehistoric Flint From Staythorpe	Prehistoric	476000	353870
L5656	Palaeolithic Finds From Staythorpe	Palaeolithic	475340	353480
L12050	Worked Flints From Averham Relief Road	Palaeolithic	476060	354470
L12287	Late Mesolithic Human Remains And Animal Bones From Staythorpe	Mesolithic	476300	353700
L11721	Worked Flint From Trench 1, Averham	Mesolithic	476080	354380
L5687	Neolithic Laurel Leaf From Averham	Neolithic	477300	354800
L3108	Flint Axe From Averham	Neolithic	476800	354400
L12132	Prehistoric Pottery From Averham Relief Road	Neolithic	476030	354290
L12288	Bronze Age Animal Bone From Borrow Pit 1, Staythorpe	Bronze Age	476800	353800
L3003	Ba Flint Finds From Staythorpe	Bronze Age	476500	353300
L3112	Bronze Sword From Averham	Bronze Age	477000	354100
L11863	Iron Age Pottery From Averham Relief Road	Iron Age	476080	354320
M3057	Settlement At Staythorpe	Iron Age	474700	354300
L3456	Roman Pottery From Averham	Romano-British	477500	354300

Reference	Name	Period	Easting	Northing
L8807	Roman Finds From Kelham	Romano-British	477550	354600
L11265	Roman Ditch At Staythorpe	Romano-British	476020	353870
L11268	Roman Finds From Staythorpe	Romano-British	476000	353870
L11862	Roman Pottery From Averham Relief Road	Romano-British	476080	354320
L12134	Roman Pottery From Averham Relief Road	Romano-British	476100	354300
L11722	Roman Pottery From Trench 1, Averham	Romano-British	476080	354380
M3447	Watermills At Averham	Medieval	477200	354700
L3109	Pottery From Averham	Medieval	476900	354500
L3447	Map Depiction Of Watermills At Averham	Medieval	477200	354700
L11269	Medieval / Post Medieval Finds From Staythorpe	Medieval	476000	353870
L11725	Post Medieval / Modern Artefacts From Trench 2, Averham	Medieval	476090	354210
L11861	Medieval Pottery From Averham Relief Road	Medieval	476080	354320
L12133	Medieval Pottery From Averham Relief Road	Medieval	476090	354350
M3010	Moated Site At Averham	Medieval	476500	354300
L3010	Earthworks At Averham	Medieval	476500	354300
L3157	Church Of St Michael At Averham	Medieval	476800	354370
L11723	Medieval Pottery And Glass From Trench 1, Averham	Medieval	476080	354380
L8318	Find Scatter From Averham	Medieval	475600	355300
M18119	Battle Bridge At Upton	Medieval	474540	354720
M3482	Sheepwash At Averham	Post-medieval	477480	354300
L3482	Map Depiction Of Sheepwash At Averham	Post-medieval	477480	354300
M3448	Smithy At Manor Farm, Averham	Post-medieval	476370	354530

Reference	Name	Period	Easting	Northing
M3449	Chapel At Averham	Post-medieval	476400	354540
M3450	Saw Pit At Averham	Post-medieval	476340	354460
M3453	Glasshouse At Averham	Post-medieval	476470	354510
M3455	Glasshouses At Averham	Post-medieval	476760	354410
L3448	Map Depiction Of Smithy, Averham	Post-medieval	476370	354530
L3449	Map Depiction Of Chapel At Averham	Post-medieval	476400	354540
L3450	Map Depiction Of Saw Pit At Averham	Post-medieval	476340	354460
L3453	Map Depiction Of Glasshouses At Averham	Post-medieval	476470	354510
L3455	Map Depiction Of Glasshouses At Averham	Post-medieval	476760	354410
M15022	Manor Farmhouse And Attached Outbuildings	Post-medieval	476393	354525
M15058	The Cottage And Attached Outbuildings	Post-medieval	476340	354405
M5672	Civil War Redoubt At Averham	Post-medieval	476850	354100
M3475	Pingley Bridge At Staythorpe	Post-medieval	475990	354150
M3478	Viaduct At Averham	Post-medieval	477150	353870
M5670	Civil War Redoubt At Newark	Post-medieval	477210	353790
M5671	Ford At Averham	Post-medieval	476900	354180
L3475	Map Depiction Of Bridge At Staythorpe	Post-medieval	475990	354150
L3476	Weir At Averham	Post-medieval	476250	354230
L3478	Map Depiction Of Viaduct At Averham	Post-medieval	477150	353870
L5670	Map Depiction Of Civil War Redoubt At Newark	Post-medieval	477210	353790
L5671	Documentary Reference To The Ford At Averham	Post-medieval	476900	354180
L5672	Map Depiction Of Civil War Redoubt At Averham	Post-medieval	476850	354100
M17164	House North East Of 1, 2 & 3 Pingley Close	Post-medieval	475338	353986

Reference	Name	Period	Easting	Northing
L11724	Post Medieval And Modern Artefacts From Trench 1, Averham	Post-medieval	476080	354380
L3404	Sluices At Upton	Post-medieval	474700	354380
M15021	Jascal	Post-medieval	476322	354554
M9193	Rectory Cottage	Post-medieval	476678	354393
M9192	Yew Tree Cottage	Post-medieval	476503	354496
M15101	Summerdell	Post-medieval	476480	354474
M15102	First House East Of Summerdell	Post-medieval	476496	354463
M15057	Manor Farm Cottage	Post-medieval	476261	354576
M15055	The Old Forge	Post-medieval	476366	354528
M17155	Rose Cottage	Post-medieval	476352	354539
M15056	Manor Cottage	Post-medieval	476413	354510
M15878	Row Of Three Cottages First West Of Averill House	Post-medieval	476413	354540
M18617	Averill House	Post-medieval	476461	354546
MNT26654	Grounds At Averham Parsonage	Post-medieval	476752	354373
MNT26671	Park At Kelham Hall	Post-medieval	477230	355229
M14294	Grange Farmhouse	Post-medieval	475414	353914
M17126	Staythorpe House Farmhouse	Post-medieval	475550	353982
M9339	The Manor House	Post-medieval	475272	353977
M14335	House Adjacent To The Manor House To North	Post-medieval	475269	353991
M14295	House Adjacent To The Manor House To East	Post-medieval	475272	354043
M14334	Manor Farmhouse	Post-medieval	475348	354094
L11865	Modern Pottery From Averham Relief Road	19th century	476080	354320
M13929	The Old Rectory	19th century	476756	354356
M9194	Lych Gate At Church Of St Michael	19th century	476786	354334
L10524	Pillbox At Kelham Hall	Modern	477400	355300
M18118	WWII Aircraft Crash Site At Staythorpe	Modern	476000	354000

Reference	Name	Period	Easting	Northing
L6041	Report Of WWII Crash Site At Staythorpe	Modern	476000	354000
L3021	Enclosure At Averham	Undated	477500	354330
MNT26588	Enclosure At Averham	Undated	477600	354800
L3020	Enclosures At Averham	Undated	477500	354440
L8399	Pond At Averham	Undated	477540	354570
L9927	Weir At Averham	Undated	477440	355080
M3451	Well At Averham	Undated	476400	354450
M3452	Well At Averham	Undated	476530	354790
M8316	Farmstead At Averham	Undated	476250	355200
L2958	Enclosures At Kelham	Undated	476900	355300
L3009	Cropmark Complex At Averham	Undated	476700	354600
L3162	Linear Features & Enclosure At Averham	Undated	476300	354950
L3451	Map Depiction Of Well At Averham	Undated	476400	354450
L3452	Map Depiction Of Well At Averham	Undated	476530	354790
L8316	Cropmark Complex At Averham	Undated	476250	355200
L8317	Cropmark Complex At Averham	Undated	476600	355300
M18694	Averham Bakehouse	Undated	476325	354568
L11864	Ditch, Averham Relief Road, Averham	Undated	476050	354230
L3000	Irregular Linear Features At Staythorpe	Undated	475200	354100
L3001	Trackway & Enclosures At Staythorpe	Undated	475200	353500
L3002	Enclosure, Linear Features & Ring Ditch At Rolleston	Undated	475050	353200
L3004	Enclosure At Rolleston	Undated	475240	352900
L3011	Cropmarks By Staythorpe Road, Averham	Undated	476200	354300
L3057	Cropmark Complex At Staythorpe	Undated	474700	354300

Reference	Name	Period	Easting	Northing
L3058	Cropmark Complex At Rolleston	Undated	474900	353400
L3092	Old Wall At Averham	Undated	476800	354200
L3169	Oval Cropmark At Staythorpe	Undated	475500	353700
L3454	Linear Features, Averham	Undated	476050	354350
L3469	Ditch At Manor Farm, Staythorpe	Undated	475350	354170
L3479	Spring At Averham	Undated	477180	353840
L5688	Linear Features At Staythorpe	Undated	475900	353900
L8372	Rectangular Enclosure & Linear Features At Rolleston	Undated	475700	352850
L9709	Field Boundary At Staythorpe	Undated	475880	353120
L9710	Field Boundary & Enclosure At Staythorpe	Undated	476050	353330
L9711	Enclosures At Rolleston	Undated	475450	353040
L12048	Ditches, Averham Relief Road, Averham	Undated	476070	354410
L12049	Ditches, Averham Relief Road, Averham	Undated	476070	354670
M3446	Well At Averham	Undated	476030	354970
M8312	Farmstead At Averham	Undated	475600	355300
M8314	Settlement At Averham	Undated	475900	355200
L2999	Enclosure & Linear Feature At Averham	Undated	475600	354700
L3159	Linear Features At Averham	Undated	475900	354800
L3446	Map Depiction Of Well At Averham	Undated	476030	354970
L8312	Cropmark Complex At Averham	Undated	475600	355300
L8314	Cropmark Complex At Averham	Undated	475900	355200
L9705	Circular Enclosure At Averham	Undated	476120	354460
L9706	Linear Features At Averham	Undated	475340	354750
L9707	Enclosure At Averham	Undated	475100	354950
L9708	Enclosure At Averham	Undated	475200	354800

Reference	Name	Period	Easting	Northing
L9720	Cropmark Complex At Staythorpe	Undated	474970	354440
M3412	Well At Rolleston	Undated	474400	353610
M3415	Well At Rolleston	Undated	474620	353320
L3160	Field System & Ring Ditches At Staythorpe	Undated	474600	353900
L3412	Map Depiction Of Well At Rolleston	Undated	474400	353610
L3415	Map Depiction Of Well At Rolleston	Undated	474620	353320
L8399	Pond At Averham	Undated	477511	354527
L8400	Enclosures At Averham	Undated	477695	354674
L3009	Cropmark Complex At Averham	Undated	476740	354541
L3162	Linear Features & Enclosure At Averham	Undated	476325	355003
M8316	Farmstead At Averham	Undated	476244	355229
L2958	Enclosures At Kelham	Undated	476898	355285
L3020	Enclosures At Averham	Undated	477390	354376
M15103	Beech Cottage	Undated	476659	354410
M18816	The Cottage And Attached Outbuildings	Undated	476340	354407
M18810	The Robin Hood Theatre	Undated	476720	354397
M18695	19th Century House. Corner Of The Close And Staythorpe Road	Undated	476392	354576
M18719	The Lord Nelson	Undated	476328	354569
M18696	Pinfold Cottage	Undated	476195	354642
L3002	Enclosure, Linear Features & Ring Ditch At Rolleston	Undated	475044	353263
L9709	Field Boundary At Staythorpe	Undated	475927	353124
L9710	Field Boundary & Enclosure At Staythorpe	Undated	475931	353504
L3001	Trackway & Enclosures At Staythorpe	Undated	475094	353554
L3004	Enclosure At Rolleston	Undated	475253	352889

Reference	Name	Period	Easting	Northing
L8372	Rectangular Enclosure & Linear Features At Rolleston	Undated	475516	352918
L3058	Cropmark Complex At Rolleston	Undated	474827	353345
L3000	Irregular Linear Features At Staythorpe	Undated	475175	354104
L3169	Oval Cropmark At Staythorpe	Undated	475516	353700
L3011	Cropmarks By Staythorpe Road, Averham	Undated	476190	354262
L5688	Linear Features At Staythorpe	Undated	475947	353869
MNT27585	Outbuildings At Manor Farm (Manor Farm Barns)	Undated	475403	354125
MNT27585	Outbuildings At Manor Farm (Manor Farm Barns)	Undated	475382	354116
MNT27585	Outbuildings At Manor Farm (Manor Farm Barns)	Undated	475391	354096
MNT27585	Outbuildings At Manor Farm (Manor Farm Barns)	Undated	475377	354075
L9720	Cropmark Complex At Staythorpe	Undated	474914	354419
L2999	Enclosure & Linear Feature At Averham	Undated	475415	354733
L3159	Linear Features At Averham	Undated	475946	354593
M8312	Farmstead At Averham	Undated	475585	355356
M8314	Settlement At Averham	Undated	475997	355149
L3160	Field System & Ring Ditches At Staythorpe	Undated	474577	353993

Table A11.1.6 Area 2 NHER Event Data

Event	Name	Event Type
ENT4079	Watching brief by FAS at Staythorpe Sub-station Quadbooster Site, Newark	Watching Brief
ENT4359	LAND AT FLASH FARM, NOTTINGHAMSHIRE, Archaeological Geophysical Survey 2014	Geophysical Survey
ENT4579	Level 2 Building Survey of Outbuildings at Manor Farm, Staythorpe	Building Survey

Event	Name	Event Type
ENT4580	Archaeological Watching Brief during excavation of drainage trenches adjacent to farm buildings at Manor Farm Staythorpe	Watching Brief
ENT278	Field walking in Averham Parish	Fieldwalking Survey (Unspecified)
ENT1052	GEOPHYSICAL SURVEY AT ELECTRICAL SUB-STATION, STAYTHORPE	Geophysical Survey
ENT3523	Fieldwalking at Staythorpe by Heritage Lincolnshire	Fieldwalking Survey (Unspecified)
ENT3524	Watching Brief at Staythorpe by Heritage Lincolnshire	Watching Brief
ENT3683	Trial trenches at Averham by ARCUS	Trial Trench
ENT3684	Geophysical survey at Averham by GSB	Geophysical Survey
ENT3756	Watching brief on road construction at Averham by ARCUS	Watching Brief
ENT3887	Fieldwalking at Averham Relief Road by ARCUS	Systematic Fieldwalking Survey
ENT3888	Watching brief at Pingley Bridge, Staythorpe, by ARCUS	Watching Brief
ENT3893	Evaluation at Staythorpe Power Station by ARCUS	Trial Trenching
ENT3955	Watching brief on borrow pit excavation at Staythorpe by ARCUS	Watching Brief
ENT427	Watching Brief at East Field, Church Lane, Averham	Watching Brief
ENT986	Trial trenching at Electrical sub-station, Staythorpe	Trial Trenching
ENT4424	Standing Structure Survey of Pingley Bridge	Building Survey
ENT4589	Thermal Imaging at Church of St. Michael, Averham in 2018	Thermal Imaging

A11.1.3.3.6 Area 2: Plates



Plate 1) View across south-western fields to the west of the Staythorpe Power Station, looking north-east



Plate 2) View across fields to the north of Staythorpe Road, looking west



Plate 3) View of eastern Site boundary, north of Staythorpe Road looking north



Plate 4) View of fields to the west of the A617, looking east



Plate 5) View of fields to the west of the A617, looking north-east



Plate 6) View of fields to the west of the the A617, looking north-east

A11.1.3.4 AREA 3

A11.1.3.4.1 Introduction

- 86 Area 3 is located in the south-west of the Study Area. The land within which the Order Limits lies is agricultural in character, with the village of Knapthorpe in the north of the Area. This Area lies to the west of the River Trent, with gently undulating hills across the area, rising to approximately 75 m aOD across the centre of the Area, and falling to approximately 28 – 26 m aOD in the northern and southern extents of the Study Area.
- 87 The underlying bedrock of Area 3 consists of the following Mercia Mudstone Groups: Mudstone, and Siltstone & Dolomitic. There are small areas of superficial deposits in the north and south-east of the Area consisting of Alluvium – Clay, Silt, Sand and Gravel (British Geological Survey).

A11.1.3.4.2 Designated Heritage Assets

A11.1.3.4.2.1 Order Limits

- 88 There are no Designated Heritage Assets within the Order Limits, in Area 3.

A11.1.3.4.2.2 Study Area

- 89 The Designated Heritage Assets within Area 3 include one Grade I Listed Building, two Grade II* Listed Buildings, 14 Grade II Listed Buildings, and two Scheduled Monuments.
- 90 The Scheduled Monuments are the Earshaw Hall moat Scheduled Monument (**NHLE 1008628**), which includes a roughly square island, situated approximately 400 m north of the Order Limits, and the Moated site, fishponds, and decoy pond 490 m northwest of Park Spring Farm Scheduled Monument (**NHLE 1018120**), situated approximately 400 m south-west of the Order Limits.
- 91 All Designated Archaeological Assets are illustrated in **Figure A11.1.2c/d**.

A11.1.3.4.3 Previous Studies

A11.1.3.4.3.1 Order Limits

- 92 Magnitude Surveys undertook a series of geophysical surveys across the majority of the Order Limits within Area 3 in 2022¹⁶.
- 93 York Archaeology undertook the Phase 2 programme of archaeological evaluation (trial trenching), across the Order Limits of Area 3 in 2025. A total of 49 trenches were identified as containing archaeological features consisting of linear ditches with the occasional curvilinear and pit. These were dated from the Roman to the Modern period¹⁷, with large quantities of Roman pottery uncovered within a number of these features.
- 94 The NHER only records one investigation within the Order Limits in Area 3, a fieldwalking survey, in the east of the Order Limits (**ENT3755**). A variety of

¹⁶ Wessex Archaeology, 2024. Phase 1 Geophysical Survey Results, Great North Road Solar Park. Appendix 11.3 of Chapter 11 Cultural Heritage and Archaeology of the Preliminary Environment Impact Report (PIER).

¹⁷ York Archaeology, 2025. Interim Report for Archaeological Evaluation, Great North Road Solar Park.

above surface finds were located during this survey, which have been mentioned in the below section Archaeological and Historical context.

A11.1.3.4.3.2 Study Area

- 95 There are no recorded intrusive archaeological investigations undertaken within the Study Area of Area 3.
- 96 Previous archaeological investigations carried out within the Study Area are illustrated in **Figure A11.1.8c/d**.

A11.1.3.4.4 Archaeological and Historical Background

A11.1.3.4.4.1 Prehistoric (970,000 BC- 43AD) (Figure A11.1.3c/d)

- 97 There are no recorded finds or features from the Palaeolithic or Mesolithic within Area 3. The earliest recorded find dates to the Neolithic period, situated in the east of the Order Limits within Area 3, a findspot of worked flint was identified during field walking (**ENT3755**).
- 98 There are no further Prehistoric finds or features present within Area 3, this is possibly due to both a lack of intrusive archaeological investigations undertaken within the Area and that unlike Area's 1 and 2, Area 3 is situated further to the west of the riverine environment of the River Trent.

A11.1.3.4.4.2 Romano-British (AD43-410AD)

- 99 There are no recorded Romano-British finds or features present within Area 3.

A11.1.3.4.4.3 Saxon (410-1066AD) and Medieval (1066-1500AD) (Figure A11.1.4c/d)

- 100 There are no recorded finds or features dating to the Anglo-Saxon period within Area 3, however, two settlements are recorded in the 1086 Domesday Survey, indicating established settlement activity within the Anglo-Saxon period.
- 101 During the medieval period, Area 3 lay within the manors of both Hockerton and Knapthorpe. The manor of Hockerton, situated to the south-west of the Order Limits, had a total of 27 households, consisting of 17 villagers, and 10 smallholders, whilst the settlement is one of the larger settlements recorded within the Domesday it is still relatively small in comparison to the nearby settlements of Kelham and Averham. The manor had a relatively small number of landholdings given its size, with 11 taxable plough teams, 54 acres of meadows and woodlands.
- 102 The manor of Knapthorpe (**M3105**), situated to the south-west of the Order Limits, had a total of 12 households, consisting of 5 villagers and 4 smallholders. The manor held a small number of landholdings with only 5.7 taxable plough teams¹⁸, 6 acres of meadow, and woodland.

¹⁸ When Domesday refers to number of ploughs it is referring to the taxable amount of land that can be ploughed by a team of eight oxen. Modern day estimates place a ploughland at approximately 120 acres, though this can vary depending on soil conditions and other factors. By using this number as a guide, Hockerton had 1320 acres of taxable arable land, and Knapthorpe had 684 acres of taxable arable land

- 103 Given the relatively small extent of land under cultivation, given the Order Limit's proximity to the respective village's centres, most of the Order Limits would likely have formed part of Hockerton and Knapthorpe. It is expected that the Order Limits would have been part of the agricultural land utilised during the medieval period.
- 104 The NHER data within Area 3 reflects the settlement pattern established in the Domesday records, with the majority of the finds located in and around the settlements of Hockerton and Knapthorpe. Including the Church of St Nicholas in Hockerton, which has elements dating back to the 12th century (**NHLE 1045486/ M3142**). There is also earthwork evidence of medieval village buildings to the south-east of Hockerton as well as medieval pottery finds indicating that the village extended further during the medieval period (**M3072**).
- 105 There is further evidence of medieval activity within Area 3, with the Earlshaw Hall Moat lying approximately 420 m north of the Order Limits (**NHLE 1008628/M2956/L2956**). This type of site was common across medieval England, they traditionally served as prestigious aristocratic and seigneurial residences with the moat typically a show of status as opposed to a defensive military feature. The moat at Earlshaw Hall has been well-preserved with surviving earthworks, the entire site is approximately 100 ft square, with a 25 ft wide and 4 ft deep moat. The site was abandoned so the building remains are likely to still be present within the central island. To the south and southwest of the moated site, a wide range of pottery sherds were identified, within agricultural fields with well-preserved ridge and furrow, possibly related to activity at Earlshaw Hall.

A11.1.3.4.4 Post-medieval (AD 1500-1800) and 19th century (1800-1900)
(Figure A11.1.5c/d- 6c/d)

- 106 Evidence would suggest that there was a continuation of occupation and land use from the medieval through to the post-medieval period. Within Area 3 the most prominent landscape feature of the period was the Averham Park estate (**MNT26653**), situated in the south-east of Area 3; the extent of the park encompassed a significant part of the Order Limits within the area. The park appears on Chapman's 1774 Map of Nottinghamshire and appears to have been built alongside Averham Park House (**M9191**) in the early 18th century. Whilst the park had been largely removed by the 1830s, there remains earthwork evidence within the former boundary of the estate (**L3205**). These earthworks can be seen via LiDAR Analysis and appear to be present adjacent to the Order Limits and not within them.
- 107 Whilst the surrounding landscape has been altered significantly since the post-medieval period, Grade II* Listed Building Averham Park House (**NHLE 1046003**), a hunting lodge built by the second Lord Lexington in 1718 is still situated within Area 3 approximately 230 m east of the Order Limits. The house was built in the 'Coleshill' type, with two detached, flat-roofed wings.
- 108 A further designed landscape park from the period extends into the north-western corner of Area 3, approximately 65 m west of the Order Limits (**MNT26694**). Winkburn Park, is noted on both Chapman's 1774 Map and Sanderson's 1835 Map '20 miles around Mansfield'. The associated Hall lies outside of the Study Area boundary, and was built around 1700, however,

documentary sources indicate the park was formed during the period in which the village of Winkburn was enclosed between 1735 and 1766.

- 109 There were also several isolated farmsteads throughout the Study Area during the period (**M17707**, **M17705**, **M17703**), this was common within rural landscapes at the time due to the enclosure of the landscape. None of these farms were situated within the Order Limits, however, it is assumed that during the period the Order Limits formed the agricultural land associated with these farms.
- 110 As well as being agricultural in nature, the NHER records a small number of brick kilns present within the Study Area during this period (**M3212**, **M3138**). These sites would have formed part of the local cottage industries within the local area, serving the local communities and have survived in the form of earthworks.
- 111 Alongside these post-medieval landscape features, field walking has identified a selection of post-medieval finds. These include a number of post-medieval pottery sherds located within the east of the Order Limits (**L11855**), and a coin hoard of early post-medieval date situated approximately 300 m north of the Order Limits (**L5635**).

A11.1.3.4.4.5 Undated (Figure A11.1.7c/d)

- 112 There are a large number of undated features recorded within the NHER Data, this is due in part to the high level of aerial imagery analysis that has been undertaken throughout the landscape. Within the boundary of the Order Limits itself several undated features of possible archaeological origin have been identified via aerial imagery. The following currently undated archaeological features have been identified within the Order Limits within Area 3.
- 113 Lying across the southern Order Limits, the cropmarks of a rectangular ditched enclosure have been identified (**L5634**). Whilst no finds have been recorded at the Order Limits, analysis of LiDAR imagery also indicates the existence of the enclosure.
- 114 In the south-east of Area 3, close to the Order Limits, aerial imagery has located the cropmarks of a brick pit alongside a linear earthwork that crosses into the Order Limits (**L3209**). Once again, these features can be seen on LiDAR imagery.
- 115 In the central region of the Order Limits, lies a j-shaped trench which runs along the parish boundary between the parishes of South Muskhams and Averham. This ditch was noted on the 1919 OS Map, its purpose is not known, and its survival is unknown due to the establishment of a later field boundary over the noted location.

A11.1.3.4.5 Area 3: Gazetteer

Table A11.1.7 Area 3 NHLE Data

List Entry	Name	Grade	Easting	Northing
1045974	Church Of St Andrew	I	474566	360029

List Entry	Name	Grade	Easting	Northing
1045486	Church Of St Nicholas	II*	471596	356445
1046003	Averham Park House	II*	474350	356417
1045487	Barn And Attached Stable At Manor Farm	II	471583	356374
1045488	Pigeoncote And Attached Stable Blocks At Hockerton Grange Farm	II	471392	356536
1045936	Manor Farmhouse	II	473975	354400
1045975	Caunton Grange	II	474695	359958
1045976	Boundary Wall And Gates At Caunton Manor	II	474469	360000
1046004	South Farm	II	474329	356404
1178701	Terrace Wall And Urns To South Of Caunton Manor	II	474395	359959
1178722	Caunton Windmill	II	474261	360392
1302284	Sundial 80 Metres East Of Caunton Manor	II	474440	359964
1369980	Caunton Manor House And Adjoining Outbuildings And Cottage.	II	474408	359969
1369981	Gate To Rose Garden At Caunton Manor	II	474371	359969
1370186	Bank Cottages	II	471627	356522
1370225	Manor Farmhouse	II	471600	356355
1408462	War Memorial In The Churchyard Of St Andrew's Church	II	474511	360007
1008628	Earlshaw Hall Moat	Scheduled Monument	473675	359492
1018120	Moated Site, Fishponds And Decoy Pond 490m North West Of Park Spring Farm	Scheduled Monument	472593.8	358370.3

Table A11.1.8 Area 3 NHER Monument Data

Reference	Name	Period	Easting	Northing
L11857	Worked Flint From Field I At Kelham	Neolithic	474700	357200
M2956	Earlshaw Hall; Hartsley Hall	Medieval	473675	359493

Reference	Name	Period	Easting	Northing
M3185	Decoy Pond At Park Spring Wood, Winkburn	Medieval	472589	358373
M3142	Church Of St Nicholas At Hockerton	Medieval	471598	356449
M3072	Shrunken Village At Hockerton	Medieval	471763	356190
M3105	Knaphorpe	Medieval	474000	358800
M5637	Grange At Dean Hall, Caunton	Medieval	475640	358900
L2956	Moated Site At Caunton	Medieval	473700	359500
L3102	Medieval Pottery From Caunton	Medieval	473800	359300
L3105	Documentary Reference To Knaphorpe	Medieval	474000	358800
L5637	Med Stones At Dean Hall, Caunton	Medieval	475640	358900
L9917	Documentary Reference To Dean Hall At Caunton	Medieval	475640	358900
L3142	C12th window and arch at the Church of St Nicholas, Hockerton	Medieval	471590	356450
L9877	C13th window at the Church of St Nicholas, Hockerton	Medieval	471590	356450
L9878	C14th Tower At The Church Of St Nicholas, Hockerton	Medieval	471590	356450
M17707	Muskham Woodhouse Farm	Post-medieval	474926	357715
M9191	Averham Park House	Post-medieval	474350	356418
M11906	South Farm	Post-medieval	474331	356399
M17705	Park Leys Farm	Post-medieval	473700	357589
MNT26653	Averham Park	Post-medieval	473941	356518
M17703	Park Spring Farm	Post-medieval	472982	358049
M3212	Brickworks At Upton	Post-medieval	474403	355540
M17710	Upton Lodge	Post-medieval	473044	355792
M14670	Avon Cottage	Post-medieval	471574	356502

Reference	Name	Period	Easting	Northing
MNT26694	Winkburn Park	Post-medieval	471449	358163
L11855	P Med Pottery From Field I, Kelham	Post-medieval	474700	357200
L3205	Averham Park	Post-medieval	474390	356420
L5635	Coin Hoard From South Muskham	Post-medieval	474010	357810
M3138	Brick Kiln At Caunton	Post-medieval	473900	358830
M3199	Pump And Glasshouse At The Poplars, Caunton	Post-medieval	474540	359540
L3199	Map Depiction Of Glasshouse At The Poplars, Caunton	Post-medieval	474540	359540
M3212	Brickworks At Upton	Post-medieval	474440	355560
L3187	Earthworks At Hockerton Grange, Winkburn	Post-medieval	471440	356520
M3137	The Mill	19th century	473634	355099
L3104	Enclosure At Caunton	Undated	474188	358059
L5634	Enclosure At Averham	Undated	473927	356218
L9738	Trackway At Kelham	Undated	473860	357155
L3041	Rectangular Enclosures & Linear Features At Caunton	Undated	474505	358664
L3103	Enclosure At Caunton	Undated	473858	359383
L2955	Ring Ditches & Linear Features At Upton	Undated	473049	355676
L3209	Linear Banks At Averham	Undated	474492	355878
L3223	Pond At Caunton	Undated	476090	358890
L3208	Double Bank At Averham	Undated	474770	356150
L11854	Fire Cracked Pebbles From Field I, Kelham	Undated	474700	357200
L3104	Enclosure At Caunton	Undated	474200	358100
L3203	Earthwork At Averham & South Muskham	Undated	473550	357410
L5634	Enclosure At Averham	Undated	473920	356240
L9738	Trackway At Kelham	Undated	473770	357160

Reference	Name	Period	Easting	Northing
L3041	Rectangular Enclosures & Linear Features At Cauntun	Undated	474400	358700
L3103	Enclosure At Cauntun	Undated	473850	359400
L2955	Ring Ditches & Linear Features At Upton	Undated	473050	355700
L3091	Mickleborough Hill	Undated	474500	355500
L3209	Linear Banks At Averham	Undated	474600	355900
L3211	Hollow At Averham, Newark	Undated	474280	355480
L9739	Field System At Upton	Undated	473030	355820
M3188	Quarry At Kelham	Undated	472710	357360
L3185	Earthworks At Park Spring Wood, Winkburn	Undated	472590	358370
L3188	Earthworks At Kelham	Undated	472710	357360

Table A11.1.9 Area 3 NHER Event Data

Event ID	Name	Event Types
ENT4330	An Archaeological Desk-based Assessment and Heritage Statement for land at Hockerton Road, Hockerton, Nottinghamshire	DBA
ENT3755	Fieldwalking at Kelham, Field I, by TPAT	SYSTEMATIC FIELDWALKING SURVEY

A11.1.3.4.6 Area 3: Plates



Plate 1) View of internal field boundary within fields west of Broadgate Lane, looking south



Plate 2) View of fields west of Broadgate Lane, looking west



Plate 3) View of north-eastern fields within Park Leys Farm, looking north-west



Plate 4) View across south-eastern fields within Park Leys Farm, looking south-east



Plate 5) View across south-western fields with Park Leys Farm looking south-west



Plate 6) View across south-eastern fields within Park Leys Farm, looking north-west

A11.1.3.5 AREA 4

A11.1.3.5.1 Introduction

- 116 Area 4 is located in the west of the Study Area. The land within which the Order Limits lies is agricultural in character, with the settlement of Eakring to the west of the Order Limits and the small settlement of Maplebeck. The landscape is characterised as an upland area of the River Trent Valley, with the land rising to approximately 95 m aOD in the south-west of the area and falling to approximately 31 m AOD in the north-east of the Area.
- 117 The underlying bedrock of Area 4 consists of the following Mercia Mudstone Groups: Mudstone, and Siltstone & Dolomitic, as well as Tarporley Siltstone Formation: Siltstone, Mudstone, and Sandstone. There are superficial deposits across the north and west of the Area consisting of Alluvium – Clay, Silt, Sand and Gravel (British Geological Survey).

A11.1.3.5.2 Designated Heritage Assets

A11.1.3.5.2.1 Order Limits

- 118 There are no Designated Heritage Assets within the Order Limits in Area 4.

A11.1.3.5.2.2 Study Area

- 119 The Designated Heritage Assets within Area 4 include one Grade I Listed Building, one Grade II* Listed Building and 12 Grade II Listed Buildings.
- 120 All Designated Heritage Assets are illustrated in **Figure A11.1.2a/c**.

A11.1.3.5.3 Previous Studies

A11.1.3.5.3.1 Order Limits

- 121 The NHER has no records of intrusive archaeological events occurring within the Order Limits in Area 4.
- 122 However, in 2022 AOC and Magnitude undertook areas of geophysical surveying across the south-east and central regions of the Order Limits within Area 4 (see TA A11.4 [EN010162/APP/6.4.11.4]).
- 123 In 2024 York Archaeology undertook the Phase 1 archaeological evaluation (trial trenching), across areas within the east of Area 4. Archaeological features, from across 39 trenches, ranged in date from the Iron Age to post-medieval periods. These features comprised pits, gullies, and enclosure ditches broadly dating to the later prehistoric and Romano-British periods. Later ridge and furrow field systems, as well as evidence of old field boundaries, were also recorded within a large number of excavated trenches¹⁹.

A11.1.3.5.3.2 Study Area

- 124 There have been no intrusive archaeological investigations within the Study Area of Area 4.
- 125 Previous archaeological investigations carried out within the Study Area are illustrated in **Figure A11.1.8a/c**.

¹⁹ York Archaeology, 2025. Site Report for Archaeological Evaluation, Great North Road Solar Park.

A11.1.3.5.4 Archaeological and Historical Background

A11.1.3.5.4.1 Prehistoric (970,000 BC- 43AD) (Figure A11.1.3a/c)

- 126 There is only one recorded Prehistoric find within Area 4, a Palaeolithic chert scraper (**L4110**) located approximately c. 710 m north of the Order Limits, was identified in 1960 during an archaeological investigation. No further finds were found within proximity to the scraper.

A11.1.3.5.4.2 Romano-British (AD 43-410) (Figure A11.1.3a/c)

- 127 Situated approximately 885 m south of the Order Limits, on the periphery of the settlement of Winkburn, a series of cropmarks have been identified. The cropmarks consist of two double ditched enclosures, a ring ditch and two straight double ditches (**L5633**). Whilst investigating these cropmarks, a number of surface level finds were encountered of Romano-British pottery sherds (**L8797**). Whilst the cropmarks have not been subjected to intrusive archaeological investigation, it is possible that due to the presence of Romano-British finds within the area it is an indication of Romano-British activity within the landscape.

- 128 No further Romano-British finds or features have been located within Area 4.

A11.1.3.5.4.3 Saxon (AD410-1066)- Medieval (1066-1500) (Figure A11.1.4a/c)

- 129 Despite a general paucity of Anglo-Saxon finds within the region, an Anglo-Saxon brooch was uncovered, within the central region of the Order Limits within the Maplebeck Estate (**L4210**). The find was uncovered during ploughing activities in the 1930s, and has since been destroyed, however, the description of the find matched that of a similar brooch located in the Vale of Belvoir (a region located to the south of Newark-on-Trent).
- 130 Whilst no further Anglo-Saxon finds have been found within Area 4, three settlements are recorded in the 1086 Domesday Survey, indicating established settlement activity within the Anglo-Saxon period.
- 131 During the medieval period, Area 4 lay within the manors of Maplebeck, Beesthorpe, and Eakring. The largest of the three, located to the west of the Order Limits, Eakring had a total of 19 households, consisting of 4 villagers, 9 freemen, 5 smallholders, and 1 priest. The manor's landholdings comprised 10.5 plough teams²⁰, 6 acres of meadow, and woodland.
- 132 The manor of Maplebeck, located in the central region of Area 4, had a total of 17 households, consisting of 12 freemen, and 5 smallholders. The manor's landholdings comprised 10.5 plough teams, 30 acres of meadow, and woodland.
- 133 The smallest of the Manors, Beesthorpe, is located to the east of Maplebeck, it had a total of 6.5 households, consisting of 6 freemen and 4 smallholders. The manor's landholdings are relative to its considerably smaller size, with only 4 plough teams, 0.5 acres of meadow, and 40 acres of woodland.

²⁰ When Domesday refers to number of ploughs it is referring to the taxable amount of land that can be ploughed by a team of eight oxen. Modern day estimates place a ploughland at approximately 120 acres, though this can vary depending on soil conditions and other factors. By using this number as a guide, Eakring and Maplebeck both had 1260 acres of taxable arable land, and Beesthorpe had 480 acres of taxable arable land.

- 134 The settlement at Beesthorpe, located approximately 350 m north of the Order Limits, is known as a Deserted Medieval Village (DMV) as it was depopulated in the 12th century (**M4214**), to establish a Cistercian grange, with an associated chapel for Rufford Abbey (**M18123**). Rufford Abbey, a Cistercian Monastery, was founded in 1147 by Gilbert De Gant approximately 3 km to the west of the Study Area, the Abbey owned land across the west of the Study Area as well as Beesthorpe itself. The grange was a typical development of Cistercian monasteries of the time, established as the central Manor for the surrounding agricultural land they were on occasion converted from tenanted manors which is thought to have occurred at Beesthorpe. The grange and chapel were passed to the Earl of Shrewsbury during the dissolution of the monasteries, the chapel was subsequently demolished whilst the grange was likely reinstated as a Manor House. In proximity to where the medieval chapel is thought to have been located, a series of medieval finds were located during the 18th century, including early medieval coins and human remains (**L9973**).
- 135 Whilst the settlements of Maplebeck and Eakring were established by the early medieval period, the only surviving medieval evidence within the villages lies within their respective parish churches. The Grade I Listed Building the church of St Radegund (**NHLE 1045596/M4240**), at Maplebeck, is located approximately 150 m south of the Order Limits. Much of the church was restored in the 17th century, however, the following 14th century elements have been retained, the nave, north aisle, chancel, and the west tower and spire.
- 136 At Eakring, the Grade II* Listed Building St Andrews, is located approximately 412 m west of the Order Limits (**NHLE 1370132/ M4133**). The church went through several phases of construction with the earliest elements dating to the 12th and 13th centuries including the west tower and the inner tower arch (**L4133**). The chancel, four light window, and north and south lancets are of 13th century date (**L9418**). The remaining church structures including the tower are 14th century in date (**L9419**).
- 137 Within the north of the Study Area, approximately 775 m north of the Order Limits, documentary sources indicate the location of a medieval deer park, thought to be the park of the Earl of Winchester first mentioned in 1260 (**M5728**). The park was noted on Charles' Saxons map of Nottinghamshire 1610 however, it has since been converted to arable land.

A11.1.3.5.4.4 *Post-medieval (AD 1500-1800)- 19th century (1800-1900)* **(Figure A11.1.5a/c – 6a/c)**

- 138 Evidence would suggest that there was a continuation of occupation and land use from the medieval through to the post-medieval period. Within Area 4 the known centres of medieval settlement, Eakring and Maplebeck, a number of residential buildings and features that are known to be post-medieval in date many of which are now Listed Buildings. Cherry View (**M14955**), Row of 5 houses south-west of Eakring Windmill (**NHLE 1370133/ M14954**), Old Church Farmhouse (**M14947**) in Eakring, and House adjacent to Toad Hall to the east (**M14508**), Maplebeck Farmhouse (**NHLE 1370160/M9391**), Low Farmhouse (**NHLE 1370159/M9389**), Red Hill House (**M14507**) are all examples of residential properties built post-1500.

- 139 Elsewhere in the north-east of Area 4, lies Beesthorpe Hall which was built in the 17th century replacing the previous medieval grange, several features remain of the Beesthorpe estate including a lodge (**M17696**), and stables (**M13791**). Sanderson's 1835 map of Nottinghamshire also indicates the extent of the associated grounds, which included a pleasure ground and bowling green. The grounds are no longer present, as the park has been converted to arable land.
- 140 There were also several isolated farmsteads throughout the south of the Study Area during the period (**M17701**, **M17702**, **M17061**), this was common within rural landscapes at the time due to the enclosure of the landscape. None of these farms were situated within the Order Limits, however, it is assumed that during the period the Order Limits formed the agricultural land associated with these farms.

A11.1.3.5.4.5 Modern (AD1900-present day) (Figure A11.1.6a/c)

- 141 The only Modern assets within Area 4, are a K6 Telephone Kiosk in Maplebeck (**NHLE 1396379/M18804**), and a War Memorial in Eakring (**NHLE 1462821/M18748**).

A11.1.3.5.4.6 Undated (Figure A11.1.7a/c)

- 142 There are a large number of undated features recorded within the NHER Data, this is due in part to the high level of aerial imagery analysis that has been undertaken throughout the landscape. Within the boundary of the Order Limits itself several undated features of possible archaeological origin have been identified via aerial imagery. The undated features within the boundary of the Order Limits, have been indicated as two enclosures (**L5524**, **L10706**) and to the south of Maplebeck a pond which was noted on historic mapping and has since been infilled (**L3180**). As these have not been subject to intrusive archaeological investigation the provenance and nature of these features have not yet been confirmed.

A11.1.3.5.5 Area 4: Gazetteer

Table A11.1.10 Area 4 NHLE Data

List Entry	Name	Grade	Easting	Northing
1045596	Church Of St Radegund	I	471089	360765
1370132	Church Of St Andrew	II*	467536	362169
1045597	Maplebeck House	II	471215	360688
1045623	Hall Farmhouse	II	467386	362319
1045624	Well Head At Walnut Tree Cottage	II	467269	362283
1045977	Beesthorpe Hall And Attached Cottage	II	472990	360475
1045978	Stables At Beesthorpe Hall	II	472983	360505
1156528	Pond Farm House	II	467522	361843
1156531	Walnut Tree Cottage	II	467265	362289
1370133	Eakring Windmill	II	467248	362449

List Entry	Name	Grade	Easting	Northing
1370159	Low Farmhouse	II	471140	360710
1370160	Maplebeck Farmhouse	II	471232	360685
1396379	K6 Telephone Kiosk	II	471098	360718
1462821	Eakring War Memorial	II	467517	362174

Table A11.1.11 Area 4 NHER Monument Data

Reference	Name	Period	Easting	Northing
L4110	Chert Scraper, Kneesall	Palaeolithic	469700	363300
L8797	Roman Finds From Winkburn	Romano-British	471500	358700
L4210	Saxon Brooch From Maplebeck	Saxon	470830	359990
L4109	Documentary Record Of Village Of Cratley, Rufford	Saxon	468300	363400
M2956	Earlshaw Hall; Hartsley Hall	Medieval	473675	359493
M4240	Church Of St Radegund At Maplebeck	Medieval	471087	360763
M4133	Church Of St Andrew	Medieval	<Null>	<Null>
M2956	Earlshaw Hall; Hartsley Hall	Medieval	473700	359500
M4214	Deserted Medieval Village At Beesthorpe	Medieval	473200	360400
M18123	Grange And Chapel At Beesthorpe	Medieval	473200	360400
L2956	Moated Site At Caunton	Medieval	473700	359500
L4214	Documentary Reference To Village At Beesthorpe	Medieval	473200	360400
L9971	Documentary Reference To Grange And Chapel At Beesthorpe	Medieval	473200	360400
L9973	Medieval Finds From Beesthorpe	Medieval	473200	360400
M5728	Deer Park At Kneesall	Medieval	470000	363000
L5728	Documentary Reference To Deer Park At Kneesall	Medieval	470000	363000
M4109	Deserted Village Of Cratley, Rufford	Medieval	468300	363400
L4133	C12-C13 Structure Of St Andrew's Church, Eakring	Medieval	467530	362120

Reference	Name	Period	Easting	Northing
L9418	C14 Structure Of St Andrew's Church, Eakring	Medieval	467530	362120
L9419	C14-C16 Structure Of St Andrew's Church, Eakring	Medieval	467530	362120
M17696	Beesthorpe Lodge	Post-medieval	473650	360523
M11846	Beesthorpe Hall And Attached Cottage	Post-medieval	472989	360475
M13791	Stables At Beesthorpe Hall	Post-medieval	472982	360503
MNT26658	Park At Beesthorpe Hall, Caunton	Post-medieval	473239	360564
M9952	Home Farmhouse	Post-medieval	471033	358465
M14168	Burnell Farmhouse	Post-medieval	471006	358461
M14169	East View	Post-medieval	470998	358510
M14205	7 And 8 Roewood Lane	Post-medieval	470903	358480
MNT26694	Winkburn Park	Post-medieval	471449	358163
M17643	Park Farm	Post-medieval	470251	363017
M14546	Red Hill Farmhouse	Post-medieval	470908	360839
M9391	Maplebeck Farmhouse	Post-medieval	471232	360684
M14508	House Adjacent To Toad Hall To East (Holme Farm)	Post-medieval	471195	360673
M14544	Rose Cottage	Post-medieval	471110	360813
M9389	Low Farmhouse	Post-medieval	471139	360711
M14547	Corner Farmhouse	Post-medieval	471088	360674
M14506	Beehive Inn	Post-medieval	471022	360729
M14505	Rose Dene	Post-medieval	471055	360893

Reference	Name	Period	Easting	Northing
M14545	Bryn Cottage	Post-medieval	471047	360898
M14507	Red Hill House	Post-medieval	470927	360814
M17061	North Lodge Farmhouse	Post-medieval	471224	359352
M17702	Dilliner Wood Farm	Post-medieval	<Null>	<Null>
M18071	Orchard Wood Farm; Orchard Farm	Post-medieval	<Null>	<Null>
M17701	Holywell Farm	Post-medieval	<Null>	<Null>
M14312	Leyfields Farm	Post-medieval	<Null>	<Null>
M18088	Leyfields Farm Cottage	Post-medieval	<Null>	<Null>
M9363	Hall Farm House	Post-medieval	<Null>	<Null>
M13945	Barn At Hall Farmhouse	Post-medieval	<Null>	<Null>
M14988	Hollies Farmhouse	Post-medieval	<Null>	<Null>
M14985	Apple Cottage	Post-medieval	<Null>	<Null>
M14991	Ashcroft And Adjoining 2 Bilsthorpe Road	Post-medieval	<Null>	<Null>
M14948	Manor Farmhouse And Outbuildings	Post-medieval	<Null>	<Null>
M16125	Barn To Rear Of Savile Arms Public House	Post-medieval	<Null>	<Null>
M14955	Cherry View	Post-medieval	<Null>	<Null>
M14954	Row Of 5 Houses South West Of Eakring Windmill	Post-medieval	<Null>	<Null>
M14993	House Adjacent To Clover Close To North	Post-medieval	<Null>	<Null>
M14946	Laburnum House	Post-medieval	<Null>	<Null>
M17106	Chestnut Farmhouse	Post-medieval	<Null>	<Null>

Reference	Name	Period	Easting	Northing
M10606	Walnut Tree Cottage	Post-medieval	<Null>	<Null>
M9364	Well Head At Walnut Tree Cottage	Post-medieval	<Null>	<Null>
M14989	1-7 Main Street	Post-medieval	<Null>	<Null>
M14949	Ryalls Farmhouse	Post-medieval	<Null>	<Null>
M14987	Cherry Cottage	Post-medieval	<Null>	<Null>
M14951	Tenters Cottage	Post-medieval	<Null>	<Null>
M14953	Sikey Cottage	Post-medieval	<Null>	<Null>
M14947	Old Church Farmhouse	Post-medieval	<Null>	<Null>
M14990	House Adjacent To The Hall To North West	Post-medieval	<Null>	<Null>
M16927	The Old Rectory	Post-medieval	<Null>	<Null>
M14950	Bell Brig Farmhouse	Post-medieval	<Null>	<Null>
M14984	Jasmine Cottage	Post-medieval	<Null>	<Null>
M14945	Primrose Cottage	Post-medieval	<Null>	<Null>
M14952	Magnolia Cottage	Post-medieval	<Null>	<Null>
M9362	Pond Farm House	Post-medieval	<Null>	<Null>
MNT26662	Grounds At Eakring Rectory	Post-medieval	<Null>	<Null>
L4225	Building At Caunton	Post-medieval	474270	360390
M6285	Bridge Over The Beck, Caunton	Post-medieval	473900	360230
M18122	C18 Chapel At Beesthorpe	Post-medieval	473020	360500
L6285	Map Depiction Of Bridge Over The Beck, Caunton	Post-medieval	473900	360230

Reference	Name	Period	Easting	Northing
L9972	Depiction Of C18 Chapel At Beesthorpe	Post-medieval	473020	360500
M3184	Smithy At Winkburn	Post-medieval	470880	358510
M3592	Glasshouses At Winkburn Hall	Post-medieval	471200	358490
L3184	Map Depiction Of Smithy At Winkburn	Post-medieval	470880	358510
L3592	Map Depiction Of Glasshouses, Winkburn Hall	Post-medieval	471200	358490
L4232	Map Depiction Of Brick Kiln At Brickyard Plantation, Kneesall	Post-medieval	470650	363550
M6606	Smithy At Maplebeck	Post-medieval	470780	360920
M6609	Chapel At Maplebeck	Post-medieval	471180	360680
L6606	Map Depiction Of Smithy At Maplebeck	Post-medieval	470780	360920
L6609	Map Depiction Of Chapel At Maplebeck	Post-medieval	471180	360680
M7373	Windmill At Eakring	Post-medieval	466860	361720
L4119	Building, Eakring	Post-medieval	467250	362460
L7373	Map Depiction Of Windmill, Eakring	Post-medieval	466860	361720
M14986	1, 2 & 3 Church Lane	Post-medieval	467322	362210
M14992	House Adjacent To Barn Close To East	Post-medieval	467387	362220
M9390	Maplebeck House	19th century	471215	360687
M5520	Fishponds, Eakring	19th century	<Null>	<Null>
M4119	Brick Tower Mill, Eakring	19th century	<Null>	<Null>
M4232	Brick Kiln At Brickyard Plantation, Kneesall	19th century	470650	363550
M5519	Montpesson Cross, Eakring	19th century	467011	361924

Reference	Name	Period	Easting	Northing
M5520	Fishponds, Eakring	19th century	467650	362200
L5519	Stone Cross, Eakring	19th century	467011	361924
M18804	K6 Telephone Kiosk- Maplebeck	Modern	471099	360718
M18748	Eakring War Memorial	Modern	<Null>	<Null>
L8632	Linear Features At Caunton	Undated	473131	360396
L9737	Plough Headland At Winkburn	Undated	473438	359588
L9938	Platform At Caunton	Undated	473369	360187
L5633	Enclosure Complex At Winkburn	Undated	471567	358697
M3144	Holy Well At Winkburn	Undated	470052	359730
MNT27513	Possible Medieval Managed Woodland Landscape	Undated	469885	358874
L6625	Earthworks At Maplebeck	Undated	470967	360665
L5524	Subrectangular Enclosure, Eakring	Undated	<Null>	<Null>
L10706	Enclosure At Eakring	Undated	<Null>	<Null>
L7678	Track & Building Platforms, Eakring	Undated	<Null>	<Null>
L7679	?Pond, Eakring	Undated	<Null>	<Null>
L7680	Hollow Way & Ridge And Furrow, Eakring	Undated	<Null>	<Null>
L7681	Hollow Way, Eakring	Undated	<Null>	<Null>
L7682	Earthworks, Eakring	Undated	<Null>	<Null>
L7683	Banks & Terraces, Eakring	Undated	<Null>	<Null>
L7684	Terraced Area, Eakring	Undated	<Null>	<Null>
L7685	Building Platforms, Eakring	Undated	<Null>	<Null>
L7686	Bank, Eakring	Undated	<Null>	<Null>
L8632	Linear Features At Caunton	Undated	473200	360400
L9737	Plough Headland At Winkburn	Undated	473420	359580
L9938	Platform At Caunton	Undated	473430	360220
L3593	Pond At Winkburn Hall	Undated	471250	358540
L5633	Enclosure Complex At Winkburn	Undated	471500	358700
L7839	Earthwork Complex At Winkburn	Undated	471050	358550

Reference	Name	Period	Easting	Northing
MNT27479	Linear Cropmarks South Of Roe Wood	Undated	469381	358747
MNT27514	Woodbank Within Roe Wood	Undated	469408	358963
MNT27515	Wood Bank Within Roe Wood	Undated	469629	358887
L5729	Find From Kersall	Undated	470300	362200
M3144	Holy Well At Winkburn	Undated	470050	359730
L3144	Site Of Well At Winkburn	Undated	470050	359730
L3172	Pond At Winkburn	Undated	470490	359960
L3180	Pond At Maplebeck	Undated	471080	359770
L3183	Pond At Winkburn	Undated	472000	359320
L4212	Terraced Ground At Maplebeck	Undated	471000	360800
L6603	Hollowway At Maplebeck	Undated	470980	360740
L6607	Hollowway At Maplebeck	Undated	470890	360370
L6608	Ditch At Maplebeck	Undated	471200	360600
L6625	Earthworks At Maplebeck	Undated	470950	360710
L10706	Enclosure At Eakring	Undated	469010	361350
L5524	Subrectangular Enclosure, Eakring	Undated	468800	361800
L5520	Ponds, Eakring	Undated	467650	362200
L7678	Track & Building Platforms, Eakring	Undated	466980	362310
L7679	?Pond, Eakring	Undated	467110	362360
L7680	Hollow Way & Ridge And Furrow, Eakring	Undated	467220	362590
L7681	Hollow Way, Eakring	Undated	467380	362440
L7682	Earthworks, Eakring	Undated	467260	362340
L7683	Banks & Terraces, Eakring	Undated	467440	362130
L7684	Terraced Area, Eakring	Undated	467410	361620
L7685	Building Platforms, Eakring	Undated	467450	361920
L7686	Bank, Eakring	Undated	467390	361890
MNT27033	Reservoir, Eakring	Undated	466848	362922

Table A11.1.12 Area 4 NHER Event Data

Event ID	Name	Event Type
ENT4151	Building Survey of Beesthorpe Hall, Cauntton by Harris McCormack Architects	Building Survey
ENT4122	Site visit to reservoir near Eakring in 1996	Site Visit
ENT4301	An archaeological desk-based assessment and Heritage Statement for land at Winkburn Lane, Winkburn, Nottinghamshire	DBA and Heritage Statement
ENT4425	Sampling of timbers at Low Farmhouse, Church Lane, Maplebeck	Timber Sampling

A11.1.3.5.6 Area 4: Plates



Plate 1) View of fields south of Maplebeck Lane, looking north



Plate 2) View of western fields within Maplebeck Estate, looking north-west



Plate 3) View of western fields within Maplebeck Estate, looking south-west



Plate 4) View of eastern fields within Maplebeck Estate, looking south-east



Plate 5) View of southern fields within Maplebeck Estate, looking north-west



Plate 6) View of southern fields within Maplebeck Estate, looking east

A11.1.3.6 AREA 5

A11.1.3.6.1 Introduction

143 Area 5 is located in the north-west of the Study Area. The land within the Order Limits is agricultural in character, with the settlement of Kneesall to the north-west of the Order Limits. The landscape is characterised as an upland area of the River Trent Valley, with the land rising to approximately 95 m AOD in the west of the Area and falling to approximately 31 m AOD in the south-east of the Area.

144 The underlying bedrock of Area 5 consists of the following Mercia Mudstone Groups: Mudstone, and Siltstone & Dolomitic. There are pockets of superficial deposits across Area 5 consisting of Alluvium – Clay, Silt, Sand and Gravel, Till Mid Pleistocene – Diamicton, and Glaciofluvial Deposits Mid Pleistocene – Sand and Gravel (British Geological Survey).

A11.1.3.6.2 Designated Heritage Assets

A11.1.3.6.2.1 Order Limits

145 There are no Designated Heritage Assets within the Order Limits, in Area 5.

A11.1.3.6.2.2 Study Area

146 The Designated Heritage Assets within Area 5 include four Grade II Listed Buildings, and one Scheduled Monument.

147 The Scheduled Monument Norwell Woodhouse moat and fishpond (NHLE 1009152) is situated approximately 700 m south-east of the Order Limits, it is a small farmstead moat with an attached fishpond.

148 All Designated Heritage Assets are illustrated in **Figure A11.1.2a/b**.

A11.1.3.6.3 Previous Studies

A11.1.3.6.3.1 Order Limits

149 The NHER has no records of intrusive archaeological events occurring within the Order Limits in Area 5.

150 However, in 2022 AOC and Magnitude undertook areas of geophysical surveying across the eastern and south-west regions of the Order Limits within Area 5²¹.

151 In 2025 Magnitude also undertook further areas of geophysical surveying across the Order Limits within Area 5. The surveying identified potential Iron Age/Romano-British enclosure complexes, within the southern part of the Order Limits²².

152 York Archaeology undertook a programme of archaeological evaluation (trial trenching), within the north of Area 5 in 2025. A total of 50 trenches were excavated with 21 trenches containing archaeological features comprising of

²¹ Wessex Archaeology, 2024. Phase 1 Geophysical Survey Results, Great North Road Solar Park. Appendix 11.3 of Chapter 11 Cultural Heritage and Archaeology of the Preliminary Environment Impact Report (PIER).

²² Magnitude Surveys, 2025. Interim Geophysical Survey Report, Great North Road Solar Farm, Staythorpe.

ditches relating to previous field systems and occasional pits, dating from the post-medieval period onwards²³.

A11.1.3.6.3.2 Study Area

- 153 The only recorded archaeological investigation within the Area 5 Study Area is a series of tree sampling for tree-ring analysis of timbers from Manor Farm, Kersall(**ENT4419**).
- 154 Where relevant, the results of these investigations are discussed in further detail below in the archaeological and historical context.
- 155 Previous archaeological investigations carried out within the Study Area are illustrated in **Figure A11.1.8a/b**.

A11.1.3.6.4 Archaeological and Historical Context

A11.1.3.6.4.1 Prehistoric (970,000 BC- AD 43) (Figure A11.1.3a/b)

- 156 The Prehistoric finds within Area 5 consist of a series of Neolithic flint finds within the south-eastern extent of the Order Limits (**L4180**, **L4213**, **L8598**). These finds were identified as casual find (not found via the means of archaeological investigation), and no further Neolithic or Prehistoric finds have been uncovered within the Area. However, this is perhaps more a reflection on the lack of intrusive archaeological investigation that has occurred within this landscape than a true reflection on the prehistoric archaeological potential of Area 5.

A11.1.3.6.4.2 Romano-British (AD 43-410) (Figure A11.1.3a/b)

- 157 Within close proximity to the identified Neolithic flints, and also categorised as casual finds by the NHER, a small amount of Romano-British pottery sherds were identified within the Order Limits (**L41841**).
- 158 Outside of the Order Limits within Area 5, only one further Romano-British find was identified. Situated approximately 730 m east of the Order Limits, a number of pottery fragments were identified during a site visit (**L9588**).

A11.1.3.6.4.3 Anglo-Saxon (AD 410-1066) and Medieval (AD 1066-1500) (Figure A11.1.4a/b)

- 159 There are no recorded finds or features dating to the Anglo-Saxon period within Area 5, however, one settlement was recorded in the 1086 Domesday Survey, indicating established settlement activity within the Anglo-Saxon period.
- 160 During the medieval period, the manor of Kersall, was located in the southern region of Area 5, approximately 200 m west of the Order Limits. The manor had a total of 14 households, consisting of 16 villagers, 8 freemen, and 4 smallholders. In contrast to its relatively small size, the manor had a large number of landholdings including 22 acres of meadow, and woodland.
- 161 Given the extent of land under cultivation, and the Order Limit's proximity to the village's centre, it is likely that the majority of the Order Limits would have formed part of the landholdings of Kersall Manor. It is expected that the

²³ York Archaeology, 2025. Interim Report for Archaeological Evaluation, Great North Road Solar Park.

Order Limits would have been part of the agricultural land utilised during the medieval period.

162 Whilst no evidence of medieval Kersall is present within the NHER data, there is further evidence of medieval activity within Area 5, with the Scheduled Monument Moated site at Norwell Woodhouse lying approximately 860 m east of the Order Limits (**NHLE1009152/M4183**). This type of site was common across medieval England, they traditionally served as prestigious aristocratic and seigneurial residences with the moat typically a show of status as opposed to a defensive military feature. The only surviving remains of the Moat are the 3 sides and a small dry pond, with no evidence of the north-west arm present.

163 A further moat to the east of the Scheduled Monument was also identified via earthworks and cartographic evidence (**M4184**). This feature has been filled in and ploughed over, the central island is noted to be narrow, and it is possible it was a moated garden.

164 No further medieval finds or features have been identified within Area 5.

A11.1.3.6.4.4 *Post-medieval (AD 1500-1800) 19th century (AD 1800-1900)* **(Figure A11.1.5a/b – 6a/b)**

165 Evidence would suggest that there was a continuation of occupation and land use from the medieval through to the post-medieval period. Within Area 5 the known centre of medieval settlement, Kersall, a number of residential buildings and features that are known to be post-medieval in date, many of which are now Listed Buildings. Manor Farmhouse (**M14684**), two cottages adjacent to Manor Farm to the north (**M14642**), Kersall Chapel (**L6600**) are all examples of residential properties built post-1500.

166 Continuing on with the landscape patterns of areas to the south, there were several isolated farmsteads throughout the Study Area during the period (**M17651, M17645, M17644, M17646**), this was common within rural landscapes at the time due to the enclosure of the landscape. None of these farms were situated within the Order Limits, however, it is assumed that during the period the Order Limits formed the agricultural land associated with these farms.

167 As well as being agricultural in nature, the NHER records a small number of brick kilns present within the Study Area during this period (**M4231, M4232, M6598**). These sites would have formed part of the local cottage industries within the local area, serving the local communities and have survived in the form of earthworks.

A11.1.3.6.4.5 *Modern (AD 1900-present day) (Figure 11.1.6a/b)*

168 In the north of the Order Limits within Area 5, lies the Second World War (WWII) RAF base, RAF Ossington (**L10557**). The airbase was constructed between 1941 and 1942 in the typical form of an A-shaped bomber airfield with three hard runways. Whilst activity at the airfield decreased following the end of WWII it was still in use until 1959, areas of hardstanding can still be seen within the landscape, however, much of the runways and above-ground structures were demolished or repurposed following the closure of the airfield.

- 169 To the south of the remaining airfield within the Order Limits lies the former Standard 11008/41 Battle Headquarters (L10566) of the former RAF Ossington, the remains of the building now lie within an arable field.

A11.1.3.6.4 Undated (Figure A11.1.7a/b)

- 170 There are a large number of undated features recorded within the NHER Data, this is due in part to the high level of aerial imagery analysis that has been undertaken throughout the landscape. Within the boundary of the Order Limits itself, several undated features of possible archaeological origin have been identified via aerial imagery. The following currently undated archaeological features have been identified within the Order Limits within Area 5.
- 171 In the south-east of the Order Limits a group of faint cropmarks have been noted, these potentially indicate a previous field system and also some buildings (**L4248/L8640**). Analysis of LiDAR imagery has been unable to identify any above ground indications of these cropmarks.
- 172 In the south-west of the Order Limits trackway has been identified (**L9933**) analysis of the LiDAR imagery indicates an above-ground presence of the trackway. The track is not present on historic mapping from the 19th and 20th centuries, indicating an earlier provenance, however, without further archaeological investigation the exact date is unknown.

A11.1.3.6.5 Area 5: Gazetteer

Table A11.1.13 Area 5 NHLE Data

List Entry	Name	Grade	Easting	Northing
1045634	Barn At Brockilow Farmhouse	II	471900	365319
1178732	Caunton Common Farm House	II	472686	361728
1302600	Brockilow Farmhouse	II	471883	365340
1370135	Kersall Lodge Farmhouse	II	471800	362940
1009152	Norwell Woodhouse Moat And Fishpond	Scheduled Monument	474387	362764

Table A11.1.14 Area 5 NHER Monument Data

Reference	Name	Period	Easting	Northing
L4180	Flint Finds From Caunton	Neolithic	473100	362100
L4213	Neolithic Arrowhead From Caunton	Neolithic	472900	361600
L8598	Flint Finds From Caunton	Neolithic	473200	361900
L4181	Roman Finds From Caunton	Romano-British	473200	361900

Reference	Name	Period	Easting	Northing
L4182	Roman Finds From Cauntun	Romano-British	473570	361990
L9588	Roman Finds From Norwell Woodhouse	Romano-British	474500	363000
M4183	Moat At Norwell Woodhouse	Medieval	474400	362750
M4184	Moat At Norwell Woodhouse	Medieval	474700	362300
M6572	Straw Hall At Laxton	Post-medieval	473970	365110
L6572	Map Depiction Of Straw Hall, Laxton	Post-medieval	473970	365110
M4231	Brick Kiln At Cauntun	Post-medieval	473100	361100
M6610	Smithy At Norwell	Post-medieval	474030	362810
M6611	Chapel At Norwell	Post-medieval	474620	362470
L4231	Map Depiction Of Brick Kiln At Cauntun	Post-medieval	473100	361100
L6610	Map Depiction Of Smithy At Norwell	Post-medieval	474030	362810
L6611	Map Depiction Of Chapel At Norwell	Post-medieval	474620	362470
M6597	Reservoir At Kneesall	Post-medieval	471120	364310
M6598	Kneesall Brick & Tile Works	Post-medieval	471250	364370
L6597	Map Depiction Of Reservoir At Kneesall	Post-medieval	471120	364310
L6598	Map Depiction Of Brick And Tile Works At Kneesall	Post-medieval	471250	364370
M6600	Chapel At Kersall	Post-medieval	471470	362000
M6602	Windmill At Kneesall	Post-medieval	470850	363760
M7371	Windmill At Kersall	Post-medieval	471610	362390
L4232	Map Depiction Of Brick Kiln At Brickyard Plantation, Kneesall	Post-medieval	470650	363550
L6600	Map Depiction Of Chapel At Kersall	Post-medieval	471470	362000
L6602	Map Depiction Of Windmill At Kneesall	Post-medieval	470850	363760
L7371	Map Depiction Of Windmill, Kersall	Post-medieval	471610	362390
M14642	Two Cottages Adjacent To Manor Farm To North	Post-medieval	471472	362158

Reference	Name	Period	Easting	Northing
MNT26551	Bridge At Kersall/Maplebeck	Post-medieval	471290	361790
M17650	Knapeney Farm	Post-medieval	473989	365343
MNT26658	Park At Beesthorpe Hall, Caunton	Post-medieval	473239	360564
M17651	Laxton Lodge	Post-medieval	472861	363608
M17645	Kneesall Lodge	Post-medieval	472374	363079
M17697	Caunton Lodge Farm	Post-medieval	473814	361893
M17652	Broad Waters Farm	Post-medieval	475354	363545
M18603	Wayside Cottage	Post-medieval	474665	362404
M18604	Trent Farm House	Post-medieval	474639	362436
M18605	Barn At Trent Farm House	Post-medieval	474624	362422
M18606	The Paddocks Cottage	Post-medieval	474600	362450
M18610	Upper Grove Farm	Post-medieval	473542	363004
M18608	Moat Farm	Post-medieval	474359	362793
M18609	Barn At Moat Farm	Post-medieval	474370	362769
M18611	Yew Tree Farm	Post-medieval	474075	362803
M17646	Mainwood Farm	Post-medieval	472630	364143
M17649	Saywood	Post-medieval	472199	364992
M9379	Brockilow Farmhouse	Post-medieval	471880	365340
M14565	The Homestead	Post-medieval	470566	364460
M9368	Kersall Lodge Farm House	Post-medieval	471801	362940
M14685	Hopyard Farmhouse	Post-medieval	471501	361956
M14641	The Arches	Post-medieval	471452	362027
M14684	Manor Farmhouse	Post-medieval	471459	362131
M17125	Laurel Cottage And Rose Cottage	Post-medieval	471411	362128
M14640	Hill Farmhouse	Post-medieval	471373	362137
M14682	Hill House Farmhouse	Post-medieval	471451	362201
M17120	Mill Cottage	Post-medieval	471639	362415
M14683	Bramble Cottage	Post-medieval	471597	362342
M17644	Buckshaw Farm	Post-medieval	471617	363396
M4232	Brick Kiln At Brickyard Plantation, Kneesall	19th century	470650	363550
M9217	Caunton Common Farm House	19th century	472684	361728

Reference	Name	Period	Easting	Northing
M9378	Barn At Brockilow Farmhouse	19th century	471898	365319
L10557	Raf Ossington	Modern	474500	364500
L10566	Battle Headquarters At Ossington Airfield	Modern	474000	364700
L4247	Enclosure At Caunton	Undated	474100	360950
L4248	Enclosure At Caunton	Undated	473600	361800
L4252	Enclosures At Ossington	Undated	475000	363300
L5730	Enclosure At Yew Tree Farm, Norwell	Undated	474100	362900
L8640	Cropmark Enclosures At Caunton	Undated	473400	362000
L9934	Trackway & Enclosure At Caunton	Undated	473550	361630
L9935	Cropmark Complex At Norwell	Undated	474200	362600
L9936	Enclosure At Norwell	Undated	474470	362960
L9937	Enclosure At Norwell	Undated	474930	362420
L9954	Field System At Ossington	Undated	475250	363720
L4251	Enclosure At Laxton	Undated	472500	365700
M18133	Gravel Pit At Kersall	Undated	471800	362980
L6604	Hollowways At Kersall	Undated	471450	362000
L6605	Earthworks At Kersall	Undated	471800	362980
L9932	Enclosure At Kersall	Undated	471520	362900
L9933	Trackway At Kersall	Undated	471930	362000
L4247	Enclosure At Caunton	Undated	474088	360948
L4252	Enclosures At Ossington	Undated	475042	363388
L5730	Enclosure At Yew Tree Farm, Norwell	Undated	474032	362929
L4248	Enclosure At Caunton	Undated	473604	361854
L8640	Cropmark Enclosures At Caunton	Undated	473409	361999
L9954	Field System At Ossington	Undated	475128	363743
L9934	Trackway & Enclosure At Caunton	Undated	473566	361657
L9937	Enclosure At Norwell	Undated	474925	362427
L9936	Enclosure At Norwell	Undated	474426	362983

Reference	Name	Period	Easting	Northing
L9935	Cropmark Complex At Norwell	Undated	474224	362611
L4251	Enclosure At Laxton	Undated	472496	365653
L9933	Trackway At Kersall	Undated	471916	361979
L9932	Enclosure At Kersall	Undated	471520	362908

Table A11.1.15 Area 5 NHER Event Data

Event ID	Name	Event Type
ENT4419	Timber Sampling for Tree-Ring Analysis of Timbers from Manor Farm, Kersall	Timber Sampling

A11.1.3.6.6 Area 5: Plates



Plate 1) View of fields east of the A616, looking north-west



Plate 2) View of fields west of Norwell Woodhouse Lane, looking north



Plate 3) View of fields at Hartshorn Farm, looking west



Plate 4) View of fields west of
Kersall Road, looking west



Plate 5) View of fields east of
Norwell Woodhouse Lane, looking
west



Plate 6) View of fields north-east
of Wood Lane, looking north

A11.1.3.7 AREA 6

A11.1.3.7.1 Introduction

- 173 Area 6 is located in the north of the Study Area. The land within which the Order Limits lies is agricultural in character, with the settlement of Weston to the north-east of the Order Limits, and Ossington to the south. The landscape is characterised as an upland area of the River Trent Valley, with the land rising to approximately 59 m aOD in the south-west of the Area and falling to approximately 25 m AOD in the north and east of the Area.
- 174 The underlying bedrock of Area 6 consists of the following Mercia Mudstone Groups: Mudstone, and Siltstone & Dolomitic. There are pockets of superficial deposits across Area 6 consisting of Alluvium – Clay, Silt, Sand and Gravel, these largely align with the tributary streams of the River Trent which traverse the Area (British Geological Survey).

A11.1.3.7.2 Designated Heritage Assets

A11.1.3.7.2.1 Order Limits

- 175 There are no Designated Heritage Assets within the Order Limits, in Area 6.

A11.1.3.7.2.2 Study Area

- 176 The Designated Heritage Assets within Area 6 include three Grade I Listed Buildings, two Grade II* Listed Buildings, and 19 Grade II Listed Buildings, and two Scheduled Monuments.
- 177 The Scheduled Monument: moat, three fishponds, enclosures, hollow way and part of a road at Hall Yard (NHLE 1008247), situated approximately 60 m north of the Order Limits.
- 178 All Designated Archaeological Assets are illustrated in **Figure A11.1.2b**.

A11.1.3.7.3 Previous Studies

A11.1.3.7.3.1 Order Limits

- 179 Wessex Archaeology undertook a phase of geophysical survey across various locations within the Order Limits, including within the north, east and south of Area 6²⁴. The surveying identified several archaeological features within the west of the Order Limits, these features detected are expected to be ditches of possible archaeological origin; one area of which could form a small, 'square-shaped enclosure', though their exact provenance is unknown subject to further intrusive investigation. In 2024 Magnitude Surveys undertook a second phase of geophysical surveying across the majority of the Order Limits²⁵.
- 180 In 2024 York Archaeology undertook the Phase 1 archaeological evaluation (trial trenching), which included a small area within the south-east of Area 6.

²⁴ Wessex Archaeology, 2024. Phase 1 Geophysical Survey Results, Great North Road Solar Park. Appendix 11.3 of Chapter 11 Cultural Heritage and Archaeology of the Preliminary Environment Impact Report (PIER).

²⁵ Magnitude Surveys, 2024. Interim Geophysical Survey Report, Great North Road Solar Farm, Staythorpe.

Archaeological features were identified from across 3 trenches. These features comprised a Romano-British ditch and 19th-20th century features²⁶.

- 181 Also taking place within the north of the Order Limits, a trial trenching exercise was undertaken in 1952 by the Newark Archaeological Committee (**ENT79/L4173**). The investigation uncovered a group of Roman pottery sherds, with no other features or finds indicating Romano-British activity within the area.

A11.1.3.7.3.2 Study Area

- 182 There have been two archaeological events undertaken within the Study Area, within Area 6. These events have both been watching briefs focussed on the north of the Study Area.
- 183 Where relevant, the results of these investigations are discussed in further detail below in the archaeological and historical context.
- 184 Previous archaeological investigations carried out within the Study Area are illustrated in **Figure A11.1.8b**.

A11.1.3.7.4 Archaeological and Historical Context

A11.1.3.7.4.1 Prehistoric (970,000- AD43) (Figure A11.1.3b)

- 185 The earliest identified find from within Area 6 is a Palaeolithic flint blade, located centrally within the Order Limits, along the banks of Moorhouse Beck (**L4219**). No further Palaeolithic or Mesolithic finds have been identified within the Area.
- 186 Elsewhere, outside of the Order Limits a scattering of Neolithic finds have been identified, including two stone axes (**L5727**, **L4171**) and a flint findspot (**L4221**). These finds appear to be isolated finds, located during the early 20th century, with no further information available within the NHER record.
- 187 No further Prehistoric finds or features were identified within Area 6.

A11.1.3.7.4.2 Romano-British (AD 43-410) (Figure A11.1.3b)

- 188 There has been no recorded Romano-British settlement activity within Area 6, however a series of finds have been located scattered across the central region of the Area. Two of these finds were recorded within the Order Limits, one of which was mentioned in Section 4.7.7 which uncovered a group of Roman pottery sherds (**L4173**). The second, reports further fragments of Roman pottery found on the banks of Moorhouse Beck (**L8633**).
- 189 Elsewhere within the Area similar findspots of scattered Romano-British pottery have been recorded, uncovered during fieldwalking or agricultural activities.

A11.1.3.7.4.3 Anglo-Saxon (AD410-1066) and Medieval (AD 1066-1500) (Figure 11.1.4b)

- 190 There are no recorded finds or features dating to the Anglo-Saxon period within Area 6, however, two settlements were recorded in the 1086 Domesday Survey, indicating established settlement activity within the Anglo-Saxon period.

²⁶ York Archaeology, 2025. Site Report for Archaeological Evaluation, Great North Road Solar Park.

- 191 During the medieval period, the manor of Ossington (**M4218**), was located in the southern region of Area 6 approximately 385 m south-east of the Order Limits. The manor had a total of 26 households, consisting of 16 villagers, 4 freemen, and 6 smallholders. The manor's landholdings included 12 plough teams²⁷, 28 acres of meadow, and woodland. Though documentary sources have previously indicated the village was a DMV no archaeological evidence was able to confirm this.
- 192 The manor of Weston was located in the north-west region of Area 6. The manor had a total of 18 households, consisting of 14 villagers, 1 freeman and 3 smallholders. The manor's landholdings included 12 plough teams, 30 acres of meadow, woodland, and a mill (**M6696**).
- 193 Given the extent of land under cultivation, and the Order Limit's proximity to the village's centre, it is likely that some areas of the Order Limits would have formed part of both the Ossington and Weston Manors. It is expected that the Order Limits would have been part of the agricultural land utilised during the medieval period.
- 194 Elements of both settlements' medieval heritage can still be seen through a variety of features recorded within the NHER. Several 13th-century features are present within The Church of All Saints at Weston (**NHLE 1179778/L4238**), notably a cross situated within the churchyard (**L5726**). Elsewhere, within Weston a possible moated site, 6ft deep and wide, was noted through aerial photography (**M4174**) though its exact use is not confirmed it is possibly associated with the medieval manor at Weston.
- 195 Documentary evidence indicates that during the medieval period, the settlement of Ossington was bestowed by Roger de Buron on the Lenton Priory of the Knights Hospitallers. In 1338 there was a manor house and garden, two dovecotes, and two windmills recorded at the site. The Church of the Holy Rood in Ossington was also granted to the Knights Hospitallers by Archbishop William in the 12th century, however, no physical presence of the medieval church remains (**NHLE 1045958/M4245**).

A11.1.3.7.4.4 Post-medieval (AD 1500-1800) and 19th century (AD1800-1900) (Figure A11.1.5b – 6b)

- 196 Evidence would suggest that there was a continuation of occupation and land use from the medieval through to the post-medieval period. Within Area 6 the known centres of medieval settlement, Ossington and Weston, a number of residential buildings and features that are known to be post-medieval in date many of which are now Listed Buildings. Five residential properties along Main Street, Ossington (**M14367**, **M14050**, **M14402**, **M14368**), along with the Chapel (**M6697**) and smithy (**M6698**) in Weston are all examples of properties built post-1500.
- 197 In the south of the Area lies the Ossington Hall and Park, the hall was first built by Cartwrights in 1580, though it was replaced in 1729 with subsequent alterations throughout the 18th century (**M5990**). It was situated approximately 310 m west of the Order Limits and demolished in 1963. The

²⁷ When Domesday refers to number of ploughs it is referring to the taxable amount of land that can be ploughed by a team of eight oxen. Modern day estimates place a ploughland at approximately 120 acres, though this can vary depending on soil conditions and other factors. By using this number as a guide, Ossington had 1440 acres of taxable arable land.

associated landscape park and garden was designed by Sir John Soane and James Gibbs during the rebuilding of the house in the 18th century and encompasses areas of the Order Limits within its boundary (**MNT26679**). The extent of the estate can be seen on both Chapman's 1774 Map of Nottinghamshire and Sanderson's 1835 Map of Nottinghamshire and Derbyshire (not reproduced).

A11.1.3.7.4.5 Modern (1900-present) (Figure A11.1.6b)

¹⁹⁸ As mentioned previously, RAF Ossington was a Second World War Airfield situated to the west of Ossington village within Area 5. It did, however, extend into the west of Area 6 and the Order Limits before its abandonment, no remnants remain within the Area.

A11.1.3.7.5 Area 6: Gazetteer

Table A11.1.16 Area 6 NHLE Data

List Entry	Name	Grade	Easting	Northing
1045958	Church Of The Holy Rood	I	475910	365156
1156553	Church Of St Mary	I	473599	368914
1179778	Church Of All Saints	I	477416	368016
1045631	Moorhouse Chapel	II*	475302	366780
1301995	Sundial 50 Metres East Of Church Of Holy Rood	II*	475946	365171
1045626	Sundial 5 Metres South Of South Transept Of Church Of St Mary	II	473601	368906
1045632	Church Farmhouse	II	475284	366688
1045633	Primrose Farmhouse	II	474227	365650
1045942	Dovecote House And Adjoining Pigeoncote	II	477331	367949
1045943	Scarthingmoor House	II	476484	368734
1045957	Boundary Wall And Gate At Church Of The Holy Rood	II	475888	365126
1045959	Monumental Well At Ossington Hall	II	476201	364888
1045960	3, Main Street	II	475625	364624
1045961	Ossington House	II	475690	364768
1156548	Portland Farmhouse	II	473434	368693
1156566	North Farmhouse	II	473656	368980
1179405	North Park Farmhouse And Adjoining Farm Buildings	II	475603	366077
1179789	Stable And Pigeoncote At Sunnyside Farm House	II	477606	367994
1179802	Scarthingmoor Mill Farmhouse	II	476023	368844

List Entry	Name	Grade	Easting	Northing
1301970	War Memorial	II	475710	364715
1302636	Aggrie House	II	474962	366827
1369971	Boundary Wall, Railing, Gate Piers And Gate At Ossington Hall	II	476190	364843
1370001	Sundial 30 Metres South Of Church Of All Saints	II	477419	367976
1462722	Egmanton War Memorial	II	473619	368919
1008247	Moat, Three Fishponds, Enclosures, Hollow Way And Part Of A Road At Hall Yard	Sched uled Monu ment	477116	368032
1009296	Gaddick Hill Medieval Motte And Bailey Castle And Post-Medieval Manor House	Sched uled Monu ment	473497	368934

Table A11.1.17 Area 6 NHER Monument Data

Reference	Name	Period	Easting	Northing
L4219	Flint Blade From Ossington	Palaeolithic	476320	366830
L5727	Stone Axe From Sutton On Trent	Neolithic	478000	366000
L4221	Neolithic Finds From Scarthing Moor, Weston	Neolithic	476500	368700
L4171	Stone Axe-Hammer From Laxton	Neolithic	474870	366220
L4173	Roman Finds From Laxton	Romano-British	476100	366800
L4222	Roman Finds From Sutton On Trent	Romano-British	477900	366100
L8633	Roman Finds From Ossington	Romano-British	476320	366830
L4169	Roman Finds From Laxton	Romano-British	475000	366700
L4170	Roman Finds From Laxton	Romano-British	474400	366500

Reference	Name	Period	Easting	Northing
L5725	Roman Finds From Laxton	Romano-British	474500	366700
L5716	Roman Finds From Egmanton	Romano-British	473000	368000
M4218	Ossington Village	Medieval	476000	365000
M4174	Moated Site At Hall Yard, Weston	Medieval	477100	368050
M18126	Cross At Weston	Medieval	477422	367976
L4238	Church Of All Saints At Weston	Medieval	477410	368010
L5726	Cross Base And Shaft At Weston	Medieval	477422	367976
L6696	Building At Scarthingmoor Mill, Weston	Medieval	475990	368830
M8960	Ossington Preceptory	Medieval	475900	365200
M6696	Watermill At Scarthingmoor Mill	Medieval	475992	368815
M4245	Church Of The Holy Rood, Ossington	Medieval	475908	365158
M6716	Weston Mill	Post-medieval	478200	367220
L6716	Map Depiction Of Mill At Weston	Post-medieval	478200	367220
M6648	Reservoir At Ossington	Post-medieval	476490	364860
L6648	Map Depiction Of Reservoir At Ossington	Post-medieval	476490	364860
M6697	Chapel At Weston	Post-medieval	477190	367920
M6698	Smithy At Weston	Post-medieval	477150	367870
L6697	Map Depiction Of Chapel At Weston	Post-medieval	477190	367920
L6698	Map Depiction Of Smithy At Weston	Post-medieval	477150	367870
L6699	Sluice At Weston	Post-medieval	476450	367180
L6769	Weir On Goosemoor Dyke, Weston	Post-medieval	477060	368320
L8844	Sluice At Weston	Post-medieval	476370	368750

Reference	Name	Period	Easting	Northing
MNT26537	Bridge At Tuxford/Weston	Post-medieval	475830	369250
MNT26538	Bridge At Scarthing Moor, Weston	Post-medieval	476430	368760
MNT26539	Bridge At Weston	Post-medieval	477000	368020
M6573	Chapel At Laxton	Post-medieval	474960	366740
L6573	Map Depiction Of A Chapel At Laxton	Post-medieval	474960	366740
L6711	Sluice At Laxton	Post-medieval	475790	366530
L8594	Post-Medieval Pottery From Laxton	Post-medieval	475000	366700
L8842	Sluice At Weston	Post-medieval	475980	368800
M6649	Brickyard At Ossington	Post-medieval	475190	364200
M6650	School At Ossington	Post-medieval	475200	364550
L4245	Church Of The Holy Rood, Ossington	Post-medieval	475900	365160
L5990	Building At Ossington	Post-medieval	475930	365230
L6649	Map Depiction Of Brickyard At Ossington	Post-medieval	475190	364200
L6650	Map Depiction Of School At Ossington	Post-medieval	475200	364550
M5990	Ossington Hall	Post-medieval	475930	365230
M11654	Stable Block At Ossington Hall - Demolished	Post-medieval	475900	365060
MNT26549	Bridge At Ossington Hall	Post-medieval	475820	365050
MNT26550	Site Of Bridge At Ossington	Post-medieval	475830	364520
M6216	Windmill At Egmanton	Post-medieval	473280	368350
M6574	East Park Cottages At Laxton	Post-medieval	474060	366990

Reference	Name	Period	Easting	Northing
M6592	Pinfold At Egmonton	Post-medieval	473260	368640
M6593	Chapel At Egmonton	Post-medieval	473360	368740
L5719	Sundial And Cross At Egmonton	Post-medieval	473601	368906
L6216	Map Depiction Of Windmill At Egmonton	Post-medieval	473280	368350
L6574	Map Depiction Of Cottages, Laxton	Post-medieval	474060	366990
L6592	Map Depiction Of Pinfold At Egmonton	Post-medieval	473260	368640
L6593	Map Depiction Of Chapel At Egmonton	Post-medieval	473360	368740
M14860	Lyndhurst	Post-medieval	473848	368811
M14905	Farm Building To Glebe Farmhouse - Demolished	Post-medieval	473623	368821
M18504	Ivy House Farm Barn	Post-medieval	477598	367912
M18496	Redroofs Farm Barn	Post-medieval	478300	367187
M17636	Crow Park Farm	Post-medieval	477602	366540
M18577	Common Farm Barn	Post-medieval	477795	365763
M13810	Sundial 30 Metres South Of Church Of All Saints	Post-medieval	477410	367990
M18107	Scarthingmoor Farmhouse	Post-medieval	476113	368557
M13809	Scarthingmoor House	Post-medieval	476481	368733
M18497	Moor Farm Barn	Post-medieval	477418	368393
M18498	Dobbin Bridge Barn	Post-medieval	477253	368376
M18499	Manor Farm Barn	Post-medieval	477142	368382
M18501	Bell Farm Barn	Post-medieval	476887	368171

Reference	Name	Period	Easting	Northing
M18503	Old Corn Mill Barn (Scarthingmoor Mill)	Post-medieval	475990	368846
M14577	Farm Buildings To Brookdale Farm (Moorhouse)	Post-medieval	475366	366456
M13979	Church Farmhouse	Post-medieval	475283	366689
M14620	Gapps Holding (Moorhouse)	Post-medieval	475087	366628
M14005	Aggrie House	Post-medieval	474969	366827
M18502	Lady Wood Farm Barn	Post-medieval	475941	368028
M13801	Sundial 50 Metres East Of Church Of Holy Rood	Post-medieval	475939	365173
M17653	Kennels, Ossington	Post-medieval	475982	364723
M14403	Hopbine Farmhouse	Post-medieval	475736	364729
M11849	Ossington House	Post-medieval	475690	364766
M14370	The Cottage	Post-medieval	475673	364784
M14367	1 & 2 Main Street	Post-medieval	475645	364653
M14050	3 Main Street	Post-medieval	475624	364622
M14402	8 Main Street	Post-medieval	475563	364587
M14369	Highland Farmhouse	Post-medieval	475393	364602
M14368	10 Main Street	Post-medieval	475531	364578
M9253	North Park Farm House And Adjoining Farm Buildings	Post-medieval	475607	366073
M9377	Primrose Farmhouse	Post-medieval	474233	365655
M17647	Copthorne Farm	Post-medieval	473986	366254
MNT26679	Park At Ossington Hall	Post-medieval	475949	365446

Reference	Name	Period	Easting	Northing
M14904	Barn First East Of Ivy House	Post-medieval	473596	368820
M14853	House Adjoining Barn First East Of Ivy House	Post-medieval	473602	368824
M14854	House Adjacent To Glebe Farmhouse To East	Post-medieval	473632	368815
M14902	Tanglewood Cottage And Portland Cottage	Post-medieval	473834	368825
M14906	Burnmoor Farmhouse	Post-medieval	473886	368936
M14850	Portland Cottage	Post-medieval	473893	368822
M14859	Moat Farmhouse And Outbuildings	Post-medieval	473296	368858
M18127	Sundial At Weston	19th century	477422	367976
L6693	Building At Laxton	19th century	475290	366780
MNT26590	Decoy, Ossington	19th century	475730	365380
M9281	Stable And Pigeoncote At Sunnyside Farm House	19th century	477606	367994
M13825	Wall, Railing, Gate Piers And Gate At Ossington Hall	19th century	476188	364841
M9252	Monumental Well At Ossington Hall	19th century	476202	364886
M9282	Scarthingmoor Mill Farm	19th century	476016	368839
M9280	Mr Gilbert's House And Adjoining Pigeoncote	19th century	477330	367951
M6693	Church At Laxton	19th century	475301	366780
M9250	Boundary Wall And Gate At Church Of The Holy Rood	19th century	475916	365124
M13800	Sundial 5 Metres South Of Church Of The Holy Rood	19th century	475899	365142
M9366	Portland Farm House	19th century	473431	368695
M4229	Chapel At Egmanton	19th century	473300	368664

Reference	Name	Period	Easting	Northing
M10617	Ossington War Memorial	Modern	475710	364715
M18752	Egmanton War Memorial	Modern	473618	368918
M18840	The Nook	Undated	477610	367965
M18841	The Nook	Undated	477609	367965
L6646	Earthwork At Ossington	Undated	476390	364610
L6647	Holloway At Ossington	Undated	476230	364700
M8843	Mill Pond At Weston	Undated	476040	368790
L4172	Earthwork Complex At Weston	Undated	476960	368070
L6710	Bank At Weston	Undated	477400	368370
L8843	Pond At Weston	Undated	476040	368790
L9944	Enclosures At Weston	Undated	477170	368000
L4250	Earthworks At Moorhouse Thorpe Farm	Undated	475360	366560
L6694	Hollowway? At Laxton	Undated	475160	367150
L6695	Ditch At Laxton	Undated	475140	367290
L7849	Hollowway At Moorhouse, Laxton	Undated	475140	366800
L7850	Earthwork Complex At Moorhouse, Laxton	Undated	475230	366790
L8841	Bank At Weston	Undated	475510	368980
L9947	Hollowway At Laxton	Undated	475420	366620
L7844	Earthwork At Ossington	Undated	475730	364660
L7845	Earthworks At Ossington	Undated	475600	364680
L9953	Enclosure & Ditch At Ossington	Undated	475810	364090
L6571	Earthworks At Egmanton	Undated	473540	369100
L6595	Ditch Or Hollowway At Egmanton	Undated	473660	368960
L6596	Earthwork Complex At Egmanton	Undated	473200	368340
L6632	Bank At Egmanton	Undated	472900	368300
L9939	Mill Race At Egmanton	Undated	473130	368260
M14858	Farm Buildings Adjoining Island Farm House	Undated	473321	368785
M14939	House Adjoining The Old Plough To West - Demolished	Undated	473472	368821
M18839	Sunnyside Farm	Undated	477593	367976
L4172	Earthwork Complex At Weston	Undated	476961	368073
L9947	Hollowway At Laxton	Undated	475440	366639

Reference	Name	Period	Easting	Northing
L6694	Hollowway At Laxton	Undated	475114	367081
L7849	Hollowway At Moorhouse, Laxton	Undated	475148	366821
L7850	Earthwork Complex At Moorhouse, Laxton	Undated	475219	366777
L4250	Earthworks At Moorhouse Thorpe Farm	Undated	475381	366556
L7844	Earthwork At Ossington	Undated	475733	364651
L7845	Earthworks At Ossington	Undated	475590	364682
L9953	Enclosure & Ditch At Ossington	Undated	475867	364004
M14404	Barn To The Cottage To West	Undated	475657	364781
L7841	Earthworks N Of Gravel Lane at Egmonton	Undated	472958	368983
L6596	Earthwork Complex At Egmonton	Undated	473126	368272
M14818	Farm Buildings To Twitchell Farm	Undated	473254	368863
M14861	Farm Buildings To Robb Farm	Undated	473590	368990

Table A11.1.18 Area 6 NHER Event Data

Event ID	Name	Event Type
ENT3644	Watching brief at Weston Hall Yard Moat by JSAC	Watching Brief
ENT79	Excavation in Laxton and Moorhouse	Excavation
ENT4286	Archaeological Watching Brief - Land North of Weston Road, Egmonton	Watching Brief

A11.1.3.7.6 Area 6: Plates



Plate 1) View of RAF Ossington,
looking east



Plate 2) View of RAF Ossington,
looking north



Plate 3) View of fields east of
Moorhouse Road, looking north-
west



Plate 4) View of fields east of Moorhouse Road, looking east



Plate 5) View of fields east of Thorpe Farm, looking west



Plate 6) View of fields east of Thorpe Farm, looking north

A11.1.3.8 AREA 7

A11.1.3.8.1 Introduction

- 199 Area 7 is located in the north-east of the Study Area. The land within which the Order Limits lies is agricultural in character, including the settlement of Carlton-on-Trent to the north-east of the Order Limits. The landscape lies to the east of the River Trent situated within the lowlands of the river valley, the land rises to approximately 37 m aOD in the west of the Area and falling to approximately 8 m AOD in the east of the Area.
- 200 The underlying bedrock of Area 7 consists of the following Mercia Mudstone Groups: Mudstone, and Siltstone & Dolomitic. There are superficial deposits across Area 7 consisting of Alluvium – Clay, Silt, Sand and Gravel, and Holme Pierrepont Sand and Gravels, these deposits are concentrated in the east of the Area along the river bank (British Geological Survey).

A11.1.3.8.2 Designated Heritage Assets

A11.1.3.8.2.1 Order Limits

- 201 There are no Designated Heritage Assets within the Order Limits, in Area 7.

A11.1.3.8.2.2 Study Area

- 202 The Designated Heritage Assets within Area 7 include two Grade II* Listed Buildings, 16 Grade II Listed Buildings, and two Scheduled Monuments.
- 203 The Willoughby Deserted Medieval Village Scheduled Monument (NHLE 1013884), which includes a post-medieval moated manor, church, six fishponds, ridge and furrow, and hollow way, situated adjacent to the eastern boundary of the Order Limits. The other Scheduled Monument within Area 7 is a site discovered by aerial photography to the north-north-east of Carlton-on-Trent (NHLE 1003487), situated approximately 1 km east of the Order Limits. This monument has not been reviewed under the Monuments Protection Programme, and therefore has no available description.
- 204 All Designated Archaeological Assets are illustrated in **Figure A11.1.2b**.

A11.1.3.8.3 Previous Studies

A11.1.3.8.3.1 Order Limits

- 205 Wessex Archaeology undertook a phase of geophysical survey across various locations within the Order Limits, including across the majority of Area 7²⁸. The surveying identified several archaeological features within the Study Area though none were identified within the Order Limits.
- 206 In 2024 Magnitude Surveys undertook a second phase of geophysical surveying across the central and northern sections of the Order Limits²⁹.
- 207 York Archaeology undertook a programme of archaeological evaluation (trial trenching), within the eastern extent of the Order Limits in Area 7 in 2025. A

²⁸ Wessex Archaeology, 2024. Phase 1 Geophysical Survey Results, Great North Road Solar Park. Appendix 11.3 of Chapter 11 Cultural Heritage and Archaeology of the Preliminary Environment Impact Report (PIER).

²⁹ Magnitude Surveys, 2024. Interim Geophysical Survey Report, Great North Road Solar Farm, Staythorpe.

single trench (out of three excavated) contained archaeological features comprising part of an earlier ridge and furrow field system³⁰.

A11.1.3.8.3.2 Study Area

- 208 There have been a limited number of archaeological events within the Study Area, within Area 7. These events have been completed to the south near Norwell and Cromwell and include excavations, watching briefs, and geophysical survey.
- 209 Where relevant, the results of these investigations are discussed in further detail below in the archaeological and historical context.
- 210 Previous archaeological investigations carried out within the Study Area are illustrated in **Figure A11.1.8b**.

A11.1.3.8.4 Archaeological and Historical Context

A11.1.3.8.4.1 Prehistoric (970,000 BC- Romano-British AD43) (Figure A11.1.3b)

- 211 The earliest recorded find within Area 7 is a Neolithic stone axehead, uncovered within agricultural fields approximately 385 m south-east of the Order Limits (**L8615**). No further Neolithic finds or features were found within the Area.
- 212 Elsewhere within the Area, along the banks of the River Trent two further isolated Prehistoric finds have been located. A Bronze Age shield was uncovered from the river itself, during dredging activities in the early 20th century (**L4280**) along the north-eastern boundary of the Study Area. Along the south-eastern boundary of the Study Area, a possible Iron Age vessel was uncovered during gravel extraction (**L8817**).
- 213 No further Prehistoric finds or features were identified within Area 7.

A11.1.3.8.4.2 Romano-British (AD 43-410) (Figure A11.1.3b)

- 214 Romano-British activity within Area 7 is concentrated along the banks of the River Trent, along the eastern extent of the Study Area. This activity is largely focused on a complex of crop and soil marks indicating a probable Roman villa, situated approximately 930 m east of the Order Limits (**M4282**). Trial trenching was undertaken at the site in 1949 which showed that the ditches within the site had been frequently recut and produced a range of Romano-British tiles and pottery (**L7493/ENT27**). Fieldwalking within the vicinity has revealed additional tiles and stone debris from the villa but no further pottery (**L7494**).
- 215 Romano-British finds throughout the Study Area are characterised as surface-level finds encountered during field walking or agricultural activity. These finds include pottery sherds, tile fragments, and a loomweight (**L4199**, **L4313**, **L8618**).

³⁰ York Archaeology, 2025. Interim Report for Archaeological Evaluation, Great North Road Solar Park.

A11.1.3.8.4.3 Saxon (AD 410- 1066)- Medieval (1066-1500) (Figure A11.1.4b)

- 216 There are no recorded finds or features dating to the Anglo-Saxon period within Area 7, however, two settlements were recorded in the 1086 Domesday Survey, indicating established settlement activity within the Anglo-Saxon period.
- 217 During the medieval period, the manor of Carlton-on-Trent, was located in the north-eastern region of Area 7 approximately 740 m north-east of the Order Limits. The manor had a total of 16 households, consisting of 3 villagers, 8 freemen, and 5 smallholders. The manor's landholdings included 8.7 plough teams³¹, 45 acres of meadow, and woodland.
- 218 The manor of Willoughby was located in the central region of Area 7 located adjacent to the eastern boundary of the Order Limits. The manor had a total of 7 households, consisting of 3 villagers and 4 freemen. The manor's landholdings included 3.9 plough teams, and 34 acres of meadow.
- 219 Given the extent of land under cultivation, and the Order Limit's proximity to the village centres, it is likely that some areas of the Order Limits would have formed part of both the Carlton-on-Trent and Willoughby Manors. It is expected that the Order Limits would have been part of the agricultural land utilised during the medieval period.
- 220 The settlement at Willoughby is known as a Deserted Medieval Village (DMV) as by the end of the period it had been depopulated (**NHLE 1013884/M4189**). The remnants of the settlement are typical of DMVs with a waterfilled homestead moat, earthworks representing possible house platforms and areas of ridge and furrow (**MNT26876/7**).
- 221 The only extant medieval remains within the settlement of Carlton-on-Trent is the doorway of St Mary's Church, situated approximately 690 m east of the Order Limits (**NHLE 1046012/L9984**).

A11.1.3.8.4.4 Post-medieval (AD1500-1800AD) and 19th century (AD1800-1900) (Figure 11.1.5b – 6b)

- 222 Evidence would suggest that there was a continuation of occupation and land use from the medieval through to the post-medieval period. Within Area 7 the known centres of medieval settlement, Carlton-on-Trent, a number of residential buildings and features that are known to be post-medieval in date many of which are now Listed Buildings. The Grey House (**NHLE 1045970/M9205**), Park Farm House (**NHLE 1045973/M9211**), Westfield (**M18592**), and Holly Cottage (**NHLE 1369978/M9210**) are all examples of properties built post-1500.
- 223 Continuing on with the landscape patterns of Areas in the west of the Order Limits, there were several isolated farmsteads throughout the Study Area during the period (**M17700**, **M17695**, **M9254**), this was common within rural landscapes at the time due to the enclosure of the landscape. None of these farms were situated within the Order Limits boundary, however, it is

³¹ When Domesday refers to number of ploughs it is referring to the taxable amount of land that can be ploughed by a team of eight oxen. Modern day estimates place a ploughland at approximately 120 acres, though this can vary depending on soil conditions and other factors. By using this number as a guide, Carlton-on-Trent had 1044 acres and Willoughby had 468 acres of taxable arable land.

assumed that during the period the Order Limits formed the agricultural land associated with these farms.

- 224 Carlton Hall (**NHLE 1046012/M9200**) situated approximately 670 m east of the Order Limits, was constructed in 1765 with a small associated garden as indicated by Chapmans 1835 Map of Nottinghamshire and Derbyshire (not reproduced), however by 1885 a large park had been constructed as part of the house's estate (**MNT26657**). The garden extends into the east of the Order Limits, where the park is split by the Great Northern Railway line, as seen on the First Edition Ordnance Survey Mapping.

A11.1.3.8.4.5 Undated (Figure 11.1.7b)

- 225 There are a large number of undated features recorded within the NHER Data, this is due in part to the high level of aerial imagery analysis that has been undertaken throughout the landscape. Within the boundary of the Order Limits, several undated features of possible archaeological origin have been identified via aerial imagery. The following currently undated archaeological features have been identified within the Order Limits boundary within Area 7.
- 226 In the north of the Order Limits, lies a small ditch (**L9956** visible faintly via LiDAR Analysis, which is likely related to previous agricultural activities. Situated approximately 740 m south-west of the ditch, a sub-rectangular raised platform was also noted (**L7846**).
- 227 To the south-east of the Site a series of cropmark features have been identified, including a possible enclosure and ring-ditch (**L9963**), a pit alignment (**L4190**) and two parallel lines with a third intersecting at a right angle (**L9962**). Analysis of LiDAR imagery has been unable to identify any above-ground indications of these cropmarks.

A11.1.3.8.5 Area 7: Gazetteer

Table A11.1.19 Area 7 NHLE Data

List Entry	Name	Grade	Easting	Northing
1046012	Carlton Hall	II*	479922	364026
1178592	Church Of St Mary	II*	479949	363938
1045962	Park Lidget Farmhouse And Adjoining Farm Building	II	476671	363902
1045965	Carlton Windmill	II	480284	364369
1045969	Ferry Farm House	II	480125	364143
1045970	The Grey House	II	479889	363836
1045971	Yew Tree Farmhouse	II	479826	364307
1045972	Pigeoncote And Stable At Yew Tree Farm	II	479804	364305
1045973	Park Farmhouse	II	479859	363822

List Entry	Name	Grade	Easting	Northing
1046011	The Dower House And Garden Wall	II	479984	364053
1178599	Sundial 7 Metres South Of Carlton Hall	II	479917	363996
1178603	Coach House At The Grey House	II	479915	363852
1302340	Boundary Wall, Gate Piers And Gates At Carlton Hall	II	479844	364096
1369957	Stable Block At Carlton Hall	II	479954	364082
1369976	Ferry Cottage	II	480158	364178
1369977	Barn At Yew Tree Farm	II	479817	364320
1369978	Holly Cottage	II	479820	363876
1369979	The Old Smithy	II	479833	363667
1003487	Site Discovered By Aerial Photography NNE Of Village	Scheduled Monument	480220	362545
1013884	Willoughby Deserted Medieval Village, Post-Medieval Moated Manor, Church, Six Fishponds, Ridge And Furrow And Hollow Way	Scheduled Monument	478804	363043

Table A11.1.20 Area 7 NHER Monument Data

Reference	Name	Period	Easting	Northing
L8615	Stone Axehead From Norwell	Neolithic	479500	363100
L4280	Bronze Age Shield From Carlton On Trent	Bronze Age	480250	364230
L8817	Iron Age / Roman Vessel From Cromwell	Iron Age	480300	362100
M4282	Cromwell Villa	Romano-British	480195	362545
L7493	Excavated Features At Cromwell Villa	Romano-British	480160	362470
L7494	Finds From Cromwell Villa	Romano-British	480200	362500
L8618	Roman Finds From Norwell	Romano-British	479900	363100

Reference	Name	Period	Easting	Northing
L4199	Roman Pottery From Carlton On Trent	Romano-British	479417	363938
L4313	Roman Loomweight From Sutton On Trent	Romano-British	480200	364500
M4189	Willoughby: Deserted Village At Norwell	Medieval	478820	363052
L8818	Medieval Stake From Cromwell	Medieval	480300	362100
L9984	Doorway At Church Of St Mary, Carlton On Trent	Medieval	479950	363930
MNT26876	Ridge And Furrow At Willoughby Deserted Medieval Village	Medieval	478807	363193
MNT26877	Ponds At Willoughby Deserted Medieval Village	Medieval	478805	363121
M9211	Park Farm House	Post-medieval	479860	363822
M13789	Sundial 7 Metres South Of Carlton Hall	Post-medieval	479918	363995
M17635	Warehouse Adjacent To Carlton Mill	Post-medieval	480292	364360
M4333	Carlton Mill	Post-medieval	480283	364367
M9207	Yew Tree Farm House	Post-medieval	479826	364305
M9208	Barn At Yew Tree Farm	Post-medieval	479815	364319
M9209	Pigeoncote And Stable At Yew Tree Farm	Post-medieval	479803	364304
M9203	Ferry Farm House	Post-medieval	480125	364143
M9210	Holly Cottage	Post-medieval	479819	363877
M6640	Smithy At Carlton On Trent	Post-medieval	479829	363666
M9205	The Grey House	Post-medieval	479892	363840
M9199	The Dower House And Garden Wall	Post-medieval	479980	364053
M9200	Carlton Hall	Post-medieval	479923	364028

Reference	Name	Period	Easting	Northing
M9201	Boundary Wall, Gate Piers And Gates At Carlton Hall	Post-medieval	479874	363947
M18594	Gardeners Cottage	Post-medieval	479881	364150
M18596	Nurses Cottage	Post-medieval	480059	364111
M18593	Pear Tree House	Post-medieval	479860	363673
M0	Birch House	Post-medieval	479826	363861
M18595	The Maltings	Post-medieval	480008	364119
M18597	Village Hall, Carlton-On-Trent	Post-medieval	479879	363788
M18592	Wesfield, Carlton-On-Trent	Post-medieval	479881	363714
M9254	Park Lidget Farm House And Adjoining Farm Building	Post-medieval	476658	363905
M17700	Willoughby Farmhouse	Post-medieval	477873	363420
M17695	Hill Farm	Post-medieval	477723	363794
M6287	Spittal Bridge, Cromwell/Carlton On Trent	Post-medieval	479980	362890
L6287	Spittal Bridge, Cromwell/Carlton On Trent	Post-medieval	479980	362890
M4309	Malthouse At Carlton On Trent	Post-medieval	480040	364090
M6538	Floodbank At Sutton On Trent & Grassthorpe	Post-medieval	480320	364400
M6641	Railway Station At Carlton On Trent	Post-medieval	479290	364300
M6642	Signal Box At Carlton On Trent	Post-medieval	479270	364210
L4309	Building At Carlton On Trent	Post-medieval	480040	364090
L4333	Building At Carlton On Trent	Post-medieval	480280	364370
L6538	Bank At Sutton On Trent & Grassthorpe	Post-medieval	480320	364400

Reference	Name	Period	Easting	Northing
L6640	Map Depiction Of Smithy At Carlton On Trent	Post-medieval	479820	363670
L6641	Map Depiction Of Railway Station At Carlton On Trent	Post-medieval	479290	364300
L6642	Map Depiction Of Signal Box At Carlton-On-Trent	Post-medieval	479270	364210
L6654	Bank At Carlton On Trent	Post-medieval	480540	363980
MNT26583	Ferry At Carlton On Trent	Post-medieval	480280	364120
M4235	Brick Kilns At Carlton On Trent	Post-medieval	478950	364350
L4235	Map Depiction Of Brick Kilns At Carlton On Trent	Post-medieval	478950	364350
M4234	Windmill At Norwell	Post-medieval	476900	362400
L4234	Map Depiction Of Windmill At Norwell	Post-medieval	476900	362400
M9262	The Grange	19th century	479982	365256
M9204	Ferry Cottage	19th century	480157	364177
M9206	Coach House At Grey House	19th century	479918	363853
M4243	Church Of St Mary At Carlton On Trent	19th century	479949	363937
M9202	Stable Block At Carlton Hall	19th century	479953	364084
MNT26657	Park At Carlton Hall, Carlton On Trent	19th century	479258	363977
L4243	Church Of St Mary At Carlton On Trent	19th century	479950	363930
L4200	Cropmark Complex At Carlton On Trent	Undated	479352	363265
L4203	Cropmark Complex At Cromwell	Undated	479389	362448
L8614	Linear Feature & Enclosure At Norwell	Undated	479550	363100
L8616	Cropmark Complex At Norwell	Undated	479766	362982
L8617	Ring Ditches At Norwell	Undated	479761	362779

Reference	Name	Period	Easting	Northing
L4202	Enclosure At Cromwell	Undated	479889	362583
L8619	Cropmark Complex At Cromwell	Undated	479343	362309
L8672	Pit Alignment At Cromwell	Undated	480170	362719
L4281	Enclosure At Cromwell	Undated	480047	363002
L8613	Enclosure & Linear Features At Carlton On Trent	Undated	479932	363165
L10602	Pit Alignment At Cromwell	Undated	480075	362393
L4283	Cropmark Complex At Cromwell	Undated	480151	362394
L9950	Cropmark Complex At Sutton On Trent	Undated	479423	365466
L4196	Cropmark Complex At Sutton On Trent	Undated	479867	364847
L8650	Cropmark Trackway At Sutton On Trent	Undated	480254	364949
L8652	Enclosures At Sutton On Trent	Undated	480151	364866
L8651	Linear Features At Sutton On Trent	Undated	480180	365126
L4177	Rectangular Enclosure At Sutton On Trent	Undated	479309	365647
L4178	Ring Ditch And Linear Features At Sutton On Trent	Undated	479865	365004
L9960	Enclosure At Carlton-On-Trent	Undated	479856	364567
M4198	Settlement Complex At Carlton On Trent	Undated	479387	363538
L4197	Linear Features & Ring Ditch At Carlton On Trent	Undated	479677	364337
M8653	Settlement At Sutton On Trent	Undated	480316	364597
L4345	Ring Ditches At Carlton On Trent	Undated	480500	364103
L10221	Banks And Ditches At Carlton On Trent	Undated	480045	363984
L10223	Bank At Carlton On Trent	Undated	480119	364115
L10224	Ditch And Banks At Carlton On Trent	Undated	479877	364222
L9956	Ditch At Norwell	Undated	477964	363488
L9963	Cropmark Complex At Cromwell	Undated	478798	362109
L9962	Pit Alignment At Cromwell	Undated	479038	362270
L9957	Enclosure At Norwell	Undated	479032	362851
L4190	Linear Features At Cromwell	Undated	478958	362042

Reference	Name	Period	Easting	Northing
L10602	Pit Alignment At Cromwell	Undated	480060	362090
L5874	Undated Bones From Cromwell	Undated	480300	362100
L10603	Cropmarks At Cromwell	Undated	480290	362670
L4200	Cropmark Complex At Carlton On Trent	Undated	479300	363300
L4202	Enclosure At Cromwell	Undated	479900	362600
L4203	Cropmark Complex At Cromwell	Undated	479500	362400
L4281	Enclosure At Cromwell	Undated	480100	362950
L4283	Cropmark Complex At Cromwell	Undated	480150	362400
L8613	Enclosure & Linear Features At Carlton On Trent	Undated	479900	363150
L8614	Linear Feature & Enclosure At Norwell	Undated	479500	363100
L8616	Cropmark Complex At Norwell	Undated	479800	362900
L8617	Ring Ditches At Norwell	Undated	479800	362800
L8619	Cropmark Complex At Cromwell	Undated	479300	362300
L8672	Pit Alignment At Cromwell	Undated	480300	362830
MNT27748	Clapper Gate 19	Undated	480690	362570
L4177	Rectangular Enclosure At Sutton On Trent	Undated	479300	365600
L4178	Ring Ditch And Linear Features At Sutton On Trent	Undated	479850	365050
L4196	Cropmark Complex At Sutton On Trent	Undated	479900	364800
L8652	Enclosures At Sutton On Trent	Undated	480150	364850
L9950	Cropmark Complex At Sutton On Trent	Undated	479420	365480
L9959	Pit Alignment At Carlton-On-Trent	Undated	479570	364790
L10221	Banks And Ditches At Carlton On Trent	Undated	479990	363990
L10223	Bank At Carlton On Trent	Undated	480120	364120
L10224	Ditch And Banks At Carlton On Trent	Undated	479850	364190
L10225	Holloway At Carlton On Trent	Undated	479710	364150
L10226	Earthworks At Carlton On Trent	Undated	479700	364090
M4198	Settlement Complex At Carlton On Trent	Undated	479300	363500

Reference	Name	Period	Easting	Northing
M4199	Old Road At Carlton On Trent	Undated	479393	363933
M8653	Settlement At Sutton On Trent	Undated	480300	364500
L4197	Linear Features & Ring Ditch At Carlton On Trent	Undated	479700	364300
L4198	Cropmark Complex At Carlton On Trent	Undated	479300	363500
L4345	Ring Ditches At Carlton On Trent	Undated	480500	364100
L8653	Cropmark Complex At Sutton On Trent	Undated	480300	364500
L9960	Enclosure At Carlton-On-Trent	Undated	479850	364560
L9961	Pond At Carlton-On-Trent	Undated	479590	363560
L4190	Linear Features At Cromwell	Undated	478900	362000
L9956	Ditch At Norwell	Undated	477950	363480
L9957	Enclosure At Norwell	Undated	479000	362870
L9958	Enclosure At Norwell	Undated	479030	363130
L9962	Pit Alignment At Cromwell	Undated	479010	362220
L9963	Cropmark Complex At Cromwell	Undated	478800	362070
MNT26878	Geophysics Anomalies At Willoughby Deserted Medieval Village	Undated	478762	363142
L6719	Earthworks At Sutton On Trent	Undated	479150	365380
L7846	Earthwork At Norwell	Undated	477700	362750

Table A11.1.21 Area 7 NHER Event Data

Event ID	Name	Event Types
ENT4037	Geophysical Survey of the Deserted Medieval Village of Willoughby by Norwell	Geophysical Survey
ENT4446	Timber sampling (Beam slices) of bell-frame	Timber Sampling
ENT110	Excavations at Willoughby By Norwell, Norwell	Excavation
ENT247	Archaeology of Fosse Way 1	Fieldwalking Survey (Unspecified)
ENT27	Excavation of villa, Cromwell	Excavation
ENT4624	The River Trent Clapper Gate Survey	

A11.1.3.8.6 Area 7: Plates



Plate 1) View of fields north of Willoughby Farm, looking north-west



Plate 2) View of fields south of Ossington Road, looking east



Plate 3) View of fields north of Norwell Lane looking south

A11.1.3.9 AREA 8

A11.1.3.9.1 Introduction

- 228 Area 8 is located in the east of the Study Area. The land within which the Order Limits lies is agricultural in character, with the settlements of Cromwell to the north-east and Norwell to the north-west of the Order Limits. The landscape lies on the eastern banks of the River Trent with the River traversing the east of the Study Area on a north-south alignment, the land rises to approximately 31 m aOD in the west of the Area and falling to approximately 9 m aOD in the east of the Area.
- 229 The underlying bedrock of Area 8 consists of the following Mercia Mudstone Groups: Mudstone, and Siltstone & Dolomitic. Superficial deposits across Area 8 consist of Alluvium – Clay, Silt, Sand and Gravel, and Holme Pierrepont Sand and Gravels (British Geological Survey).

A11.1.3.9.2 Designated Heritage Assets

A11.1.3.9.2.1 Order Limits

- 230 There are no Designated Heritage Assets within the Order Limits boundary, in Area 8.

A11.1.3.9.2.2 Study Area

- 231 The Designated Heritage Assets within Area 8 include two Grade I Listed Buildings, 19 Grade II Listed Buildings, and three Scheduled Monuments.
- 232 The Designated Archaeological Assets within Area 8 are the Scheduled Monument of a Settlement 3/4m west of Cromwell Village (**NHLE 1003490**), this monument is enclosed by the Order Limits boundary on all sides, however, it does not lie within the Order Limits. The other Scheduled Monuments within Area 8 include rectangular barrows at North Muskham (**NHLE 1003492**), situated approximately 455 m east of the Order Limits, and Old Hall Moat and two fishponds (**NHLE 1009153**), situated approximately 760 m west of the Order Limits.
- 233 All Designated Archaeological Assets are illustrated in **Figure A11.1.2b/d**.

A11.1.3.9.3 Previous Studies

A11.1.3.9.3.1 Order Limits

- 234 Wessex Archaeology undertook a phase of geophysical survey across various locations within the Order Limits, including across the majority of Area 8. The surveying identified several archaeological features within the Order Limits, including areas of Bronze Age activity within the east of the Order Limits, which include a barrow, potential hut circles and enclosures.
- 235 In 2022 AOC and Magnitude undertook areas of geophysical surveying across the south-east and central regions of the Order Limits within Area 8³².
- 236 In 2024 York Archaeology undertook the Phase 1 archaeological evaluation (trial trenching), which included areas across the central extent of the Order

³² Wessex Archaeology, 2024. Phase 1 Geophysical Survey Results, Great North Road Solar Park. Appendix 11.3 of Chapter 11 Cultural Heritage and Archaeology of the Preliminary Environment Impact Report (PIER).

Limits within Area 8. Archaeological features were identified from across 36 of the 52 trenches excavated. These features comprised undated ditches and pits, ridge and furrow field systems; and former field boundaries visible on 1900's OS mapping³³.

- 237 York Archaeology undertook the Phase 2 archaeological evaluation (trial trenching), which included an area in the south-east of the Order Limits in Area 8. A total of 10 trenches contained archaeological features, which can be loosely characterised as ditches and pits. One pit contained evidence for early prehistoric pottery, preliminarily dated between the Late Neolithic and Early Bronze Age.
- 238 The NHER also records three previous investigations within the Order Limits boundary within the Area, with an excavation being undertaken on a possible Barrow along the eastern boundary of the Order Limits (**ENT26**). Elsewhere in the south of the Site at Foxholes Farm, a geophysical survey (**ENT3904**) and series of trial trenching was undertaken (**ENT3865**). These trenches were intended to target cropmarks identified on aerial photography as anomalies of potential archaeological interest, the findings of which have been discussed below in the Archaeological and historical context.

A11.1.3.9.3.2 Study Area

- 239 There have been a number of archaeological events within the Study Area, within Area 8. These events have been largely focussed around the settlements of Norwell and Cromwell, including watching briefs, and timber sampling.
- 240 Previous archaeological investigations carried out within the Study Area are illustrated in **Figure A11.1.8b/d**.

A11.1.3.9.4 Archaeological and Historical Context

A11.1.3.9.4.1 Prehistoric (970,000- AD 43) (Figure A.11.1.3b/d)

- 241 The earliest recorded find within Area 8 is a Mesolithic flint findspot, uncovered within agricultural fields in the south of the Order Limits (**L12100**). No further Mesolithic finds or features were found within the Area.
- 242 In the east of the Order Limits, lies an area of Neolithic and Bronze Age activity, around a possible mortuary enclosure (**M8624**) and Bronze Age barrow (**M8623**). The enclosure has been identified through aerial photography, with the barrow being subject to excavation in the 1950s when it was still visible above ground. The remains of a probable clay-lined burial pit were found centrally, alongside a series of finds including beaker sherds, Bronze Age pottery sherds and the rim of a food vessel.
- 243 Several isolated Bronze Age finds have been identified in the south of the Order Limits (**L8609**, **L2967**) and an artefact scatter of Neolithic and Bronze Age flint flakes has also been identified in the northern boundary of the Area, on an area of elevated height (**L4217**).
- 244 Iron Age finds in the Area are primarily focused along the banks of the River Trent, which traverses the east of the Study Area aligned north to south. A possible Iron Age barrow cemetery has been sighted via aerial photography

³³ York Archaeology, 2025. Site Report for Archaeological Evaluation, Great North Road Solar Park.

approximately 400 m east of the Order Limits (**M4287**). A series of small rectangular enclosures were seen, typical of an Iron Age form of barrow which was primarily found in East Yorkshire and Humberside and rare in this region. The only other identified Iron Age find within the Area was a scabbard, located approximately 330 m east of the Order Limits (**L5843**).

A11.1.3.9.4.2 Romano-British (AD 43- 410) (Figure A11.1.3b/d)

- 245 As mentioned above in Previous Studies, a series of trial trenching was undertaken within the west of the Order Limits in Area 8 around Fox Holes Farm (**ENT3865**). Within one of the trench's a number of small slots and irregular pits were bounded by three adjacent parallel gullies, with animal bone recovered from each gully which have all been dated to the Romano-British period.
- 246 Whilst no further finds or features have been found within the Order Limits boundary, a possible Roman Villa has been noted in the form of cropmarks, adjacent to the north-east of the Order Limits boundary (**M4195**). The cropmarks comprised complex rectangles and long linear features, which could also indicate very regular farming enclosures.
- 247 Four further Romano-British findspots can be seen scattered throughout the Area, characterised as isolated surface finds of Roman pottery sherds (**L8604**, **L4204**, **L4312**, **L7492**).

A11.1.3.9.4.3 Saxon (AD410-1066)- Medieval (AD 1066-1500) (Figure A11.1.4b/d)

- 248 Despite a general paucity of Anglo-Saxon finds within the region, remnants of an Anglo-Saxon bridge were located approximately 930 m east of the Order Limits (**L4286**). The remains of the bridge were removed from the River Trent in the early 19th century at the time the bridge was believed to be of Roman date, however, dendrochronological analysis of the surviving timber fragment revealed the date of felling to the mid-8th century, making it the only Saxon bridge known from this period in the country.
- 249 Whilst no further Anglo-Saxon finds have been found within Area 8, two settlements are recorded in the 1086 Domesday Survey, indicating established settlement activity within the Anglo-Saxon period.
- 250 During the medieval period, the manor of Cromwell, was located adjacent to the north-eastern extent of the Order Limits in Area 8. The manor had a total of 17 households, consisting of 8 villagers, 7 freemen, and 2 smallholders. The manor's landholdings included 11 plough teams³⁴, meadow and woodland.
- 251 The manor of Norwell was located in the north-western region of Area 8, approximately 900 m west of the Order Limits. The manor had a total of 26 households, consisting of 22 villagers, 3 smallholders and a priest. The manor's landholdings included 15 plough teams and 73 acres of meadow, and woodland.

³⁴ When Domesday refers to number of ploughs it is referring to the taxable amount of land that can be ploughed by a team of eight oxen. Modern day estimates place a ploughland at approximately 120 acres, though this can vary depending on soil conditions and other factors. By using this number as a guide, had 1440 acres of taxable arable land

- 252 Given the extent of land under cultivation, and the Order Limits' proximity to the village centres, it is likely that some if not all areas of the Order Limits would have formed part of both the Cromwell and Norwell Manors. It is expected that the Order Limits would have been part of the agricultural land utilised during the medieval period.
- 253 The extant medieval remains within Norwell are defined by several medieval period buildings including the Dovecote associated with the medieval manor house (**L8599**), Southview Cottage (**M18580**) and the Church of St Lawrence (**NHLE 1369970/M4241**). As well as a moat, which encompassed the Old Hall (**NHLE 1045955/M4187/M4186**), which can still be seen within the landscape. At Cromwell, the only surviving medieval remains are at St Giles Church (**NHLE 1369982/L4242**), which was constructed in the 12th and 13th centuries.
- 254 As mentioned above in Previous Studies, a series of trial trenching was undertaken within the west of the Order Limits in Area 8 around Fox Holes Farm (**ENT3865**). During the investigations, several medieval features and finds were uncovered including a large curvilinear ditch filled with animal bone, several boundary ditches, sherds of medieval pottery and two clay pipe stems (**L12097**).

A11.1.3.9.4.4 *Post-medieval (AD1500-1800)- 19th century (AD1800-1900)*
(Figure A11.1.5b/d – 6b/d)

- 255 Evidence would suggest that there was a continuation of occupation and land use from the medieval through to the post-medieval period. Within Area 8 the known centres of medieval settlement, Cromwell and Norwell, there are a number of residential buildings and features that are known to be post-medieval in date, many of which are now Listed Buildings. Cromwell Post Office (**M14944**), 3 & 6-9 Main Street (**M18599/M18600**), Greenways (**M17156**) in Cromwell and Old Mill House (**M14385**), The Old house and adjoining Elderberry Cottage (**M9244**), and Auld Cottage (**M18579**) in Norwell are all examples of properties built post-1500.
- 256 The only recorded post-medieval monument within the Order Limits in the area, is a post-medieval signal box (**M6639**) which would have been associated with the establishment of the Great Northern Railway line which traverses the Area aligned north to south. The box was recorded on the first edition Ordnance Survey mapping and is no longer present within the landscape.

A11.1.3.9.4.5 *Undated (Figure A11.1.7b/d)*

- 257 There are a large number of undated features recorded within the NHER Data, this is due in part to the high level of aerial imagery analysis that has been undertaken throughout the landscape. Within the boundary of the Order Limits itself, a large number of undated features of possible archaeological origin have been identified via aerial imagery. The following currently undated archaeological features have been identified within the Order Limits boundary within Area 8.
- 258 Throughout the Order Limits a number of cropmarks have been identified indicating previous enclosures or linear features, it is not confirmed whether these are indications of Prehistoric land use or represent pre-enclosure landscapes from the medieval period.

259 As well as these enclosures and linear features, a variety of ring ditches and small circular enclosures have been identified across the Order Limits, predominantly within the east in proximity to the previously identified Bronze Age barrows (**L8627, L4207, L8623, L8628, L4191**). These features may be contemporary within this established funerary landscape.

260 Elsewhere to the south of Norwell Lane in the east of the Order Limits, a possible Iron Age/Romano-British settlement complex has been identified (**M8612, L8610, L8611**). This settlement has been identified as a group of enclosures, with small ring ditches inside and outside of the enclosures.

A11.1.3.9.5 Area 8: Gazetteer

Table A11.1.22 Area 8 NHLE Data

List Entry	Name	Grade	Easting	Northing
1369970	CHURCH OF ST LAWRENCE	I	477563	361764
1369982	CHURCH OF ST GILES	I	479935	361537
1045950	VILLAGE POUND	II	476953	361566
1045951	THE OLD POST OFFICE	II	476989	361583
1045953	WILLOUGHBY FARMHOUSE AND ADJOINING BOUNDARY RAILING	II	477242	361808
1045954	1 Greasleys Cottages and Pitchforks Cottage	II	477438	361776
1045955	THE OLD HALL	II	477485	361712
1045956	OLD FARMHOUSE	II	477234	361727
1045979	THE OLD RECTORY AND ATTACHED COTTAGE	II	479949	361487
1178788	PIGEONCOTE AT WILLINGHAM HOUSE	II	479793	361715
1179154	THE OLD HOUSE AND ADJOINING ELDERBERRY COTTAGE	II	477310	361835
1179230	STABLE AT THE OLD HALL	II	477481	361680
1179237	SCHOOL HOUSE	II	477246	361671
1302068	BOUNDARY WALL AT CHURCH OF ST LAWRENCE	II	477508	361765
1302079	BARN AT SCHOOL HOUSE FARM	II	476942	361610
1302090	THE OLD WINDMILL	II	477384	361737

List Entry	Name	Grade	Easting	Northing
1302269	HEADSTONE 10 METRES SOUTH OF CHANCEL AT CHURCH OF ST GILES	II	479942	361524
1369968	IVY COTTAGE	II	477047	361659
1369969	CHURCH FARMHOUSE AND ADJOINING CHURCH FARM COTTAGE	II	477384	361813
1370007	PALIS HALL	II	476860	361470
1463366	Norwell War Memorial	II	477533	361768
1003490	Settlement 3/4 mile (1198m) W of Cromwell Village	Scheduled Monument	478689	361434
1003492	Rectangular barrows at North Muskham	Scheduled Monument	480416	360671
1009153	Old Hall moat and two fishponds	Scheduled Monument	477571	361680

Table A11.1.23 Area 8 NHER Monument Data

Reference	Name	Period	Easting	Northing
L12100	Worked Flints From Trenching, Foxholes Farm, North Muskham	Mesolithic	478700	360300
M8623	Mortuary Enclosure At Cromwell	Neolithic	479840	360890
L4217	Neo & Ba Finds From Cromwell	Neolithic	478400	362000
L2987	Flint Finds From North Muskham	Bronze Age	479370	359990
L8609	Bronze Age Find From North Muskham	Bronze Age	478560	360120
M8624	Bronze Age Barrow At Cromwell	Bronze Age	479819	360881
M4287	Barrow Cemetery At North Muskham	Iron Age	480400	360700
L5843	Iron Age Scabbard From Sutton On Trent	Iron Age	480000	360000
L7492	Roman Finds From Cromwell	Romano-British	480800	361200
M4195	Possible Roman Villa At Cromwell	Romano-British	479600	361400
L4204	Roman Finds From Cromwell	Romano-British	479800	361700

Reference	Name	Period	Easting	Northing
L4312	Roman Finds From Cromwell	Romano-British	480500	361000
L12095	Roman Features, Trench 1, Fox Holes Farm, North Muskham	Romano-British	478700	360580
L8604	Roman Finds From Cromwell	Romano-British	478730	361550
M4286	Bridge At Cromwell	Saxon	480870	361220
L4242	Church Of St Giles At Cromwell	Medieval	479930	361540
L12097	Med And P Med Features, Trench 5, Foxholes Farm, North Muskham	Medieval	478750	360320
M4186	Moat At Norwell	Medieval	477050	361750
M4187	Moat At The Old Hall, Norwell	Medieval	477550	361700
M8599	Dovecote At The Old Hall, Norwell	Medieval	477550	361700
L8599	Building At The Old Hall, Norwell	Medieval	477550	361700
M4241	Church Of St Lawrence At Norwell	Medieval	477562	361763
M18580	Southview Cottage	Medieval	477059	361733
M3747	Flood Defences At Holme	Post-medieval	480700	359900
L3747	Embankment At Holme	Post-medieval	480700	359900
M3742	Slough Dyke At Holme	Post-medieval	480760	359930
L3742	Embankment At Holme	Post-medieval	480760	359930
M6527	Flood Bank At Langford And Collingham	Post-medieval	480680	360270
L6527	Bank At Langford And Collingham	Post-medieval	480680	360270
M6552	Floodbank At Carlton On Trent	Post-medieval	480830	361270
M6561	Cromwell Lock	Post-medieval	480830	361110
L6540	Bank At North Muskham	Post-medieval	480770	361070
L6552	Bank At Carlton On Trent	Post-medieval	480830	361270
L6561	Map Depiction Of Cromwell Lock	Post-medieval	480830	361110

Reference	Name	Period	Easting	Northing
L10947	Muskham House, North Muskham	Post-medieval	479950	360100
M18262	Muskham House, North Muskham	Post-medieval	479950	360100
L12372	C19 Pit At Cromwell House Farm, Cromwell	Post-medieval	479870	361500
L12373	P Med / Modern Artefacts From Cromwell House Farm	Post-medieval	479870	361500
M6540	Floodbank, North Muskham	Post-medieval	480770	361070
M6638	Smithy At Cromwell	Post-medieval	479880	361430
L6638	Map Depiction Of Smithy At Cromwell	Post-medieval	479880	361430
M6639	Signal Box At Cromwell	Post-medieval	479130	361580
M6690	Building At Cromwell	Post-medieval	478810	361220
L6639	Map Depiction Of A Signal Box At Cromwell	Post-medieval	479130	361580
L6690	Map Depiction Of A Building At Cromwell	Post-medieval	478810	361220
L8605	Post-Medieval Finds From Cromwell	Post-medieval	478680	361400
L6645	Map Depiction Of Pinfold At Norwell	Post-medieval	476950	361570
M14423	House South Of The Old Hall	Post-medieval	477478	361679
M17156	Greenways	Post-medieval	479822	361779
M13942	Pigeoncote At Willingham House	Post-medieval	479793	361715
M14944	Cromwell Post Office	Post-medieval	479872	361667
M14983	Cromwell House Farmhouse	Post-medieval	479855	361615
M11847	The Old Rectory And Attached Cottage	Post-medieval	479946	361486
M18598	Willingham House, Cromwell	Post-medieval	479829	361716

Reference	Name	Period	Easting	Northing
M18599	6-9 Main Street, Cromwell	Post-medieval	479828	361738
M18600	3 Main Street, Cromwell	Post-medieval	479872	361541
M18601	College Farmhouse	Post-medieval	479853	361796
M18602	Newcastle House	Post-medieval	479860	361716
MNT26678	Grounds At Muskham House, North Muskham	Post-medieval	479819	359939
M17706	Foxholes Farm	Post-medieval	478606	360421
M18581	Norwell Grange	Post-medieval	477505	361787
M9239	The Old Post Office, Norwell	Post-medieval	476988	361585
M9242	Barn At School House Farm	Post-medieval	476942	361610
M6645	Pinfold At Norwell	Post-medieval	476952	361567
M9240	Ivy Cottage	Post-medieval	477047	361659
M9248	Old Farmhouse	Post-medieval	477236	361731
M9247	School House	Post-medieval	477245	361675
M9244	The Old House And Adjoining Elderberry Cottage	Post-medieval	477314	361837
M9249	Church Farm House And Adjoining Church Farm Cottage	Post-medieval	477381	361813
M17072	Old Mill Cottage	Post-medieval	477412	361785
M14422	Converted Barn To Rear Of Old Mill House	Post-medieval	477382	361776
M14385	Old Mill House	Post-medieval	477384	361791
M14048	1 Main Street	Post-medieval	477437	361769
M14421	House Adjoining 1 Main Street To East	Post-medieval	477447	361775

Reference	Name	Period	Easting	Northing
M14049	The Old Hall	Post-medieval	477486	361711
M9246	Stable At The Old Hall	Post-medieval	477477	361680
M18579	Auld Cottage	Post-medieval	477127	361752
M9241	Former Wheelwright's Shop	Post-medieval	476907	361608
L4230	Building At Norwell	19th century	477390	361740
M4230	Windmill At Norwell	19th century	477384	361737
M9243	Willoughby Farm House And Adjoining Boundary Railing	19th century	477241	361810
M9245	Boundary Wall At Church Of St Lawrence	19th century	477535	361773
M18582	Ash House	19th century	477272	361861
M18583	Norwell National School	19th century	477239	361703
M18584	Norwell Methodist Chapel	19th century	477268	361822
M18772	Norwell War Memorial	Modern	477533	361767
M13792	Headstone 10m South Of Chancel Of Church Of St Giles	Modern	479930	361520
L10601	Enclosure At North Muskham	Undated	480620	360270
L4287	Square Enclosures At North Muskham	Undated	480400	360700
L8674	Linear Features At North Muskham	Undated	480400	360600
MNT27743	Clapper Gate 14	Undated	480398	360530
MNT27744	Clapper Gate 15	Undated	480650	360797
MNT27745	Clapper Gate 16	Undated	480697	360846
L10620	Finds From Cromwell	Undated	480870	361220
L8631	Double Linear Feature & Pit Alignment At North Muskham	Undated	479900	360100
L8621	Pit Alignment & Circular Enclosure At Cromwell	Undated	479600	360800
L4288	Enclosure At North Muskham	Undated	480100	360400

Reference	Name	Period	Easting	Northing
M4208	Settlement Complex At North Muskham	Undated	479700	360100
M8611	Settlement Complex At Cromwell	Undated	479200	360800
L4207	Circular Cropmark At Cromwell	Undated	479350	360420
L4209	Double Ring-Ditch At North Muskham	Undated	479230	360080
L8611	Cropmark Complex At Cromwell	Undated	479200	360800
L8622	Cropmark Complex At Cromwell	Undated	479600	360650
L8623	Cropmark Complex At Cromwell	Undated	479840	360890
L8625	Linear Features At Cromwell	Undated	480000	360700
L8626	Cropmarks At Cromwell	Undated	480150	360750
L8627	Enclosures At Cromwell	Undated	479450	360400
L8628	Cropmark Complex At North Muskham	Undated	479600	360100
L8630	Enclosures & Linear Features At North Muskham	Undated	479900	360300
L8964	Circular And Rectangular Enclosures, Cromwell	Undated	479810	360740
L9966	Enclosure At North Muskham	Undated	479630	360490
L10602	Pit Alignment At Cromwell	Undated	480060	362090
M8610	Settlement Complex At Cromwell	Undated	479200	361000
M8612	Settlement Complex At Cromwell	Undated	479300	361200
L4195	Cropmark Complex At Cromwell	Undated	479600	361400
L4284	Cropmarks At Cromwell	Undated	480100	361200
L5874	Undated Bones From Cromwell	Undated	480300	362100
L7848	Earthwork Complex At Cromwell	Undated	479950	361630
L8610	Cropmark Complex At Cromwell	Undated	479200	361000
L8612	Cropmark Complex At Cromwell	Undated	479300	361200
L8620	Cropmark Complex At Cromwell	Undated	479700	361000
L8675	Linear Features At North Muskham	Undated	480300	361000
MNT27746	Clapper Gate 17	Undated	480792	361783
MNT27747	Clapper Gate 18	Undated	480774	361866
L12096	Pit Alignments And Other Features, Trench 4, Foxholes Farm, North Muskham	Undated	479030	360250

Reference	Name	Period	Easting	Northing
L12098	Post Holes In Trench 6, Foxholes Farm, North Muskham	Undated	479030	360080
L12099	Pit In Trench 9, Foxholes Farm, North Muskham	Undated	478520	360050
L12169	Geophysical Anomalies At Foxholes Farm, North Muskham	Undated	478800	360400
L8603	Enclosure Complex At North Muskham	Undated	478700	360700
L8606	Linear Features At North Muskham	Undated	478900	360500
L8607	Linear Features At North Muskham	Undated	478700	360200
L8608	Linear Features At North Muskham	Undated	478500	360100
L9965	Cropmark Complex At Cromwell	Undated	478500	360780
L8602	Enclosure Complex At Cromwell	Undated	478700	361000
M8600	Settlement Complex At Cromwell	Undated	478700	361400
L4190	Linear Features At Cromwell	Undated	478900	362000
L4191	Ring Ditch At Cromwell	Undated	478680	361870
L4246	Enclosure At Cromwell	Undated	479100	361550
L8600	Cropmark Complex At Cromwell	Undated	478700	361400
L8601	Linear Features At Cromwell	Undated	478800	361500
L9963	Cropmark Complex At Cromwell	Undated	478800	362070
L9964	Enclosures At Cromwell	Undated	478960	361830
L2969	Enclosures & Pit Alignment At North Muskham	Undated	478600	359900
L11008	Enclosure, Norwell	Undated	477770	361890
L4188	Cropmark Ditches At Norwell	Undated	477670	361750
L6644	Earthworks At Norwell	Undated	476840	361380
L8674	Linear Features At North Muskham	Undated	480345	360601
L8675	Linear Features At North Muskham	Undated	480307	360888
L7848	Earthwork Complex At Cromwell	Undated	479941	361656
L8621	Pit Alignment & Circular Enclosure At Cromwell	Undated	479598	360871
L4288	Enclosure At North Muskham	Undated	479990	360452
L4207	Circular Cropmark At Cromwell	Undated	479335	360416
L8627	Enclosures At Cromwell	Undated	479469	360394

Reference	Name	Period	Easting	Northing
L8628	Cropmark Complex At North Muskham	Undated	479534	360179
L8625	Linear Features At Cromwell	Undated	480059	360669
L8626	Cropmarks At Cromwell	Undated	480098	360789
M8610	Settlement Complex At Cromwell	Undated	479231	360996
M8611	Settlement Complex At Cromwell	Undated	479220	360778
L8622	Cropmark Complex At Cromwell	Undated	479678	360679
L4284	Cropmarks At Cromwell	Undated	480121	361134
M8612	Settlement Complex At Cromwell	Undated	479340	361229
L8620	Cropmark Complex At Cromwell	Undated	479677	361089
M4208	Settlement Complex At North Muskham	Undated	479826	359936
L2986	Cropmark Complex At North Muskham	Undated	479333	359819
L4209	Double Ring-Ditch At North Muskham	Undated	479259	360033
L2969	Enclosures & Pit Alignment At North Muskham	Undated	478624	359936
L8602	Enclosure Complex At Cromwell	Undated	478711	360965
L8606	Linear Features At North Muskham	Undated	478761	360432
L8607	Linear Features At North Muskham	Undated	478904	360280
L8608	Linear Features At North Muskham	Undated	478536	360114
L8603	Enclosure Complex At North Muskham	Undated	478589	360746
L9963	Cropmark Complex At Cromwell	Undated	478798	362109
L9964	Enclosures At Cromwell	Undated	478965	361842
L4190	Linear Features At Cromwell	Undated	478958	362042
M8600	Settlement Complex At Cromwell	Undated	478660	361388
L8601	Linear Features At Cromwell	Undated	478796	361555
L4191	Ring Ditch At Cromwell	Undated	478676	361839
L4246	Enclosure At Cromwell	Undated	479077	361553
L2972	Linear Feature & Pit Alignment At Bathley	Undated	478294	359475
L4188	Cropmark Ditches At Norwell	Undated	477814	361706

Table A11.1.24 Area 8 NHER Event Data

Event ID	Name	Event Types
ENT26	Excavation of a mound, Cromwell	Excavation
ENT3865	Trial trenching at Foxholes Farm, North Muskham, by NAA	Trial Trench
ENT3904	Geophysical survey at Foxholes Farm, North Muskham, by GSB Prospection	Geophysical Survey
ENT3981	Watching brief at Cromwell House Farm by TSAC	Watching Brief
ENT4237	Timber sampling of timbers at Auld Cottage, Main Street, Norwell. By English Heritage	Timber Sampling
ENT4311	Land at Langford, Nottinghamshire. An Archaeological Desktop Assessment for Tarmac Ltd.	DbA
ENT4501	Timber sampling at Palis Hall, Norwell	Timber Sampling
ENT4655	Cromwell Churchyard Survey	Non-Intrusive Surveying

A11.1.3.9.6 Area 8: Plates



Plate 1) View of fields north of
Vicarage Lane, looking north



Plate 2) View of fields north of
Vicarage Lane, looking north-west



Plate 3) View of fields south of
Norwell Lane, looking east



Plate 4) View of fields south of
Norwell Lane, looking south-east

A11.1.3.10 AREA 9

A11.1.3.10.1 Introduction

261 Area 9 is located in the east of the Study Area. The land within which the Order Limits lies is agricultural in character, with the settlement of Bathley to the west of the Order Limits, and North Muskham and Holme to the east of the Order Limits. The landscape lies to the east of the River Trent situated within the lowlands of the river valley, the land rises to approximately 23 m aOD in the west of the Area and falling to approximately 10 m aOD in the east of the Area.

262 The underlying bedrock of Area 9 consists of the following Mercia Mudstone Groups: Mudstone, and Siltstone & Dolomitic. There are superficial deposits across Area 9 consisting of Alluvium – Clay, Silt, Sand and Gravel, and Holme Pierrepont Sand and Gravels, these deposits are concentrated in the east of the Area along the river bank (British Geological Survey).

A11.1.3.10.2 Designated Heritage Assets

A11.1.3.10.2.1 Order Limits

263 There are no Designated Heritage Assets within the Order Limits, in Area 9.

A11.1.3.10.2.2 Study Area

264 The Designated Archaeological Assets within Area 9 include a Grade I Listed Building, 17 Grade II Listed Buildings, and two Scheduled Monuments.

265 The Scheduled Monuments of a Standing Cross 300 m north of Trent Farm (**NHLE 1018131**), this monument is situated approximately 300 m east of the Order Limits, and a Standing Cross 140 m north of the Old Hall (**NHLE 1018130**) situated approximately 985 m north-east of the Order Limits.

266 All Designated Archaeological Assets are illustrated in **Figure A11.1.2d**.

A11.1.3.10.3 Previous Studies

A11.1.3.10.3.1 Order Limits

267 Wessex Archaeology undertook a phase of geophysical survey across various locations within the Order Limits, including across the majority of Area 9. The surveying identified several archaeological features within the Order Limits, including in the west of the Order Limits where a series of curvilinear and rectilinear anomalies have been recorded which potentially indicate an Iron Age – Romano-British settlement.

A11.1.3.10.3.2 Study Area

268 There have been a number of archaeological events within the Study Area, within Area 9. These events have been largely focussed in the north-east of the Study Area, including trial trenching, watching briefs, and timber sampling.

- 269 In 2022 AOC and Magnitude undertook areas of geophysical surveying across the south-east and central regions of Area 9³⁵.
- 270 In 2025 York Archaeology undertook the Phase 2 archaeological evaluation (trial trenching), which included areas across the central extent of Area 9. Archaeological features were identified from across 21 trenches out of 50 excavated. These features comprised undated ditches and pits, ridge and furrow field systems; and former field boundaries visible on 1900's OS mapping³⁶.
- 271 Where relevant, the results of these investigations are discussed in further detail below in the archaeological and historical context.
- 272 Previous archaeological investigations carried out within the Study Area are illustrated in **Figure A11.1.8d**.

A11.1.3.10.4 Archaeological and Historical Context

A11.1.3.10.4.1 Prehistoric (970,000 BC- AD 43) (Figure A11.1.3d)

- 273 The earliest recorded find within the Area, a Palaeolithic findspot comprising a number of lithic implements (**L8355**), found approximately 185 m north of the Order Limits. A further group of worked flint was identified approximately 150 m west of the Order Limits, dated to the Mesolithic period (**L11118**). Both finds were recovered through fieldwalking activities, with no further Palaeolithic or Mesolithic finds present within Area 9.
- 274 Activity increased significantly within the Area during the Neolithic period with a large number of Neolithic finds recovered from across the Order Limits. Within the north of the Order Limits, these finds were collected in the 1970s by a local farmer (Mr H Kent) from along the banks of a stream between Bathley and N Muskham parishes, these finds consisted of a variety of flint implements and axe heads (artefact scatter **L5646** was found within the Order Limits). Further finds within central and southern areas of the Order Limits have also been largely defined as a variety of flint finds, no settlement activity from this period has been identified within the Area to date.
- 275 Bronze Age activity in Area 9 includes a Barrow cemetery (**M8340**). Identified via aerial photography, the cemetery includes sections of four circles including a large circle with an internal concentric circle, with one ring ditch to the north. This is a continuation of similar monuments present to the north within Area 9. Another Bronze Age find identified within Area 9 is a Bronze Age flint arrowhead (**L5643**).
- 276 To the east of the Order Limits, trial trenching within North Muskham revealed a series of features whose date and layout suggest they are part of a larger enclosure that may have associated settlement remains (**L12118**). Pottery sherds dating to the Iron Age also indicated the provenance of these features were Iron Age. No further investigations have confirmed the presence of a possible Iron Age settlement within North Muskham.

³⁵ Wessex Archaeology, 2024. Phase 1 Geophysical Survey Results, Great North Road Solar Park. Appendix 11.3 of Chapter 11 Cultural Heritage and Archaeology of the Preliminary Environment Impact Report (PIER).

³⁶ York Archaeology, 2025. Site Report for Archaeological Evaluation, Great North Road Solar Park.

A11.1.3.10.4.2 Romano-British (AD 43-410) (Figure A11.1.3d)

- 277 Romano-British activity within Area 9 is limited to Roman pottery sherds uncovered during fieldwalking activities within the south of the Area (**L11147**, **L11152**). No further finds have been recovered from within the Order Limits or Study Area.

A11.1.3.10.4.3 Saxon (AD 410-1066)-Medieval (AD 1066-1500) (Figure A11.1.4d)

- 278 Despite a general paucity of Anglo-Saxon finds within the region, remnants of Anglo-Saxon pottery have been uncovered during fieldwalking activities within the South of the Area (**L11225**, **L11177**).
- 279 Whilst no further Anglo-Saxon finds have been found within Area 9, two settlements are recorded in the 1086 Domesday Survey, indicating established settlement activity within the Anglo-Saxon period.
- 280 During the medieval period, the manor of North Muskham was located approximately 440 m east of the Order Limits in Area 9. The manor had a total of 46 households, consisting of 14 villagers, 18 freemen, and 12 smallholders. The manor's landholdings were extensive including 30 plough teams, 106 acres of meadow, and woodland.
- 281 Given the extent of land under cultivation, and the Order Limits' proximity to the village centre, it is likely that some if not all areas of the Order Limits would have formed part of the holdings of North Muskham Manor. It is expected that the Order Limits would have been part of the agricultural land utilised during the medieval period.
- 282 The manor of Bathley was located in the western region of Area 9 adjacent to the western extent of the Order Limits. The size of the manor and its landholdings are unknown as no details were included in the Domesday records. This possibly indicates the settlement was a larger town or an abandoned settlement. However, the NHER data records several features within the bounds of the modern settlement which are dated to the medieval period. A post-medieval cottage within the village is believed to be the site of a medieval chapel, whose building materials the cottage was constructed from (**M2962**). Several stone coffins have been found at the site, corroborating the location of the medieval chapel (**L2962**). A further example of medieval activity is The Hollies, a medieval hall which was dendro-dated to the late 13th century (**M9198**).
- 283 Medieval activity within North Muskham can be seen within the Church of St Wilfrid (**NHLE 1178997/M3155**), which dates to the 12th century. Approximately 800 m north of the Church within the settlement of North Muskham, lies a medieval wayside cross, whose remains stand to 1.6 m with a 0.7 m square plinth of possible 13th century date (**M3259**). Other casual finds, in the north-east of the settlement include a medieval well and well shaft, alongside medieval pottery sherds (**L2990**).
- 284 In areas within the south of the Area where fieldwalking activities have been undertaken a variety of medieval pottery has been located, within areas presumed to form part of the agricultural landscape during the period.

A11.1.3.10.4.4 Post-medieval (AD 1500-1800)- 19th century (AD 1800-1900) (Figure A11.1.5d – 6d)

- 285 Evidence would suggest that there was a continuation of occupation and land use from the medieval through to the post-medieval period. Within Area 9 the known centres of medieval settlement, North Muskham and Bathley, there are a number of residential buildings and features that are known to be post-medieval in date many of which are now Listed Buildings. Buena Vista (**M14418**), Church Row (**M14461**), Trent View (**M14469**), Muskham Grange (**M3258**) in North Muskham, and Cherrymead (**M15035**), a Pump and Well (**M3260**), and the Crown Inn at Bathley are all examples of properties built post-1500.
- 286 There is limited post-medieval activity outside of the established settlements however, a post-medieval windmill was noted approximately 115 m west of the Order Limits, though the windmill is no longer present within the landscape (**M17152**).

A11.1.3.10.4.5 Undated (Figure A11.1.7d)

- 287 There are a large number of undated features recorded within the NHER Data, this is due in part to the high level of aerial imagery analysis that has been undertaken throughout the landscape. Within the boundary of the Order Limits itself, a large number of undated features of possible archaeological origin have been identified via aerial imagery. The following currently undated archaeological features have been identified within the Order Limits boundary within Area 9.
- 288 Throughout the Order Limits a number of cropmarks have been identified indicating previous enclosures or linear features, it is not confirmed whether these are indications of Prehistoric land use or represent pre-enclosure landscapes from the medieval period.
- 289 As well as these enclosures and linear features two separate possible settlement complexes have been identified within the Order Limits. Along the eastern edge of the Order Limits a cropmark complex of roughly rectangular paddocks has been identified (M8337), a slight impression of these paddocks can be seen through LiDAR analysis. In the western extent of the Order Limits, a set of rectangular enclosures with internal partitions and possible hut circles was identified (M8332), these features are not visible on LiDAR imagery.
- 290 Elsewhere within the Order Limits, a possible ring ditch (L9731) and several circular enclosures (L2973, L8334) have also been identified. As previously stated however without intrusive archaeological investigations the provenance of these features cannot be affirmed.

A11.1.3.10.5 Area 9: Gazetteer

Table A11.1.25 Area 9 NHLE Data

List Entry	Name	Grade	Easting	Northing
1178997	Church Of St Wilfrid	I	479821	358597

List Entry	Name	Grade	Easting	Northing
1045947	Coach House And Wall At Edgefield House Hotel	II	479358	359640
1045948	North Road House	II	479372	359141
1045949	Outbuilding At North Road House	II	479382	359160
1045989	The Old Hall	II	479706	358546
1045990	Stable Outhouse And Pump At The Shades	II	479638	359404
1046010	Grange Farm House	II	477908	359116
1046032	Stable Block To The West And Slightly North Of Holme Hall	II	480209	359250
1178548	Holme Hall	II	480236	359217
1178553	The Hollies	II	477629	359134
1179021	The Shades	II	479618	359404
1179046	Trent Bank House	II	479799	358763
1369956	Manor Farm House And Adjoining Boundary Wall	II	477737	359494
1369966	Village Cross	II	480172	359095
1369985	Village Cross	II	479624	359384
1369986	Edgefield House Hotel And Boundary Wall	II	479372	359625
1370005	Cherry Cottage	II	479573	358957
1370006	Railings And Gate At North Road House	II	479360	359151
1018130	Standing Cross 140m North Of The Old Hall	Schedule d Monument	480172	359095
1018131	Standing Cross 300m North Of Trent Farm	Schedule d Monument	479624	359383

Table A11.1.25 Area 9 NHER Monument Data

Reference	Name	Period	Easting	Northing
L8355	FLINT FINDS FROM NORTH MUSKHAM	Palaeolithic	479300	359800

Reference	Name	Period	Easting	Northing
L11118	Worked flints from field 0049, South Muskham	Mesolithic	477860	358460
L5653	NEOLITHIC FIND FROM NORTH MUSKHAM	Neolithic	479500	359400
L5651	NEOLITHIC FIND FROM NORTH MUSKHAM	Neolithic	479630	358670
L11142	Late Neo/ early BA flints from field 5620, North Muskham	Neolithic	479530	358220
L11111	Fire cracked pebbles from field 0005, South Muskham	Neolithic	478970	358130
L11134	Late Neo/ early BA flints from field 5800(n), South Muskham	Neolithic	478580	358090
L5650	NEOLITHIC FINDS FROM NORTH MUSKHAM	Neolithic	478830	358270
L5646	NEOLITHIC FINDS FROM NORTH MUSKHAM	Neolithic	478680	359570
L5647	NEOLITHIC FINDS FROM NORTH MUSKHAM	Neolithic	478550	359080
L5648	NEOLITHIC FINDS FROM NORTH MUSKHAM	Neolithic	478620	359120
L3073	STONE AXE FROM NORTH MUSKHAM	Neolithic	479100	358800
L5649	NEOLITHIC FINDS FROM NORTH MUSKHAM	Neolithic	478610	358790
L8333	NEOLITHIC AXE FROM BATHLEY	Neolithic	478400	359000
L11131	Early Neolithic flints from field 0032, South Muskham	Neolithic	478250	358330
L11132	Late Neo/ early BA flints from field 3400, South Muskham	Neolithic	478210	358100
L5652	STONE AXEHEAD FROM BATHLEY	Neolithic	477600	358700
M8340	BARROW CEMETERY AT SOUTH MUSKHAM	Bronze Age	478094	358287
L5643	FLINT ARROWHEAD FROM NORTH MUSKHAM	Bronze Age	479100	358800
L12118	Iron Age features in trenches 1 and 2 at North Muskham	Iron Age	479700	359500
L11110	Prehistoric (or Saxon) pottery, field 0049, South Muskham	Iron Age	477840	358460

Reference	Name	Period	Easting	Northing
L11152	Roman pottery from field 5620, North Muskham	Romano-British	479530	358220
L11147	Roman pottery from field 0049, South Muskham	Romano-British	477860	358460
L11177	Early medieval or Roman pottery from field 5620, North Muskham	Saxon	479530	358220
L11225	Saxon (or Prehistoric) pottery, field 0049, South Muskham	Saxon	477840	358460
M3602	CROSS AT HOLME	Medieval	480172	359095
M3259	WAYSIDE CROSS NEAR NORTH MUSKHAM	Medieval	479630	359380
M3155	CHURCH OF ST WILFRID AT NORTH MUSKHAM	Medieval	479820	358597
M9198	THE HOLLIES	Medieval	477628	359136
M3744	Post Mill, Holme	Medieval	480470	359150
L3727	CHURCH OF ST GILES AT HOLME	Medieval	480280	359110
L3744	Cropmark of Post Mill, Holme	Medieval	480470	359150
L2990	CASUAL FINDS FROM NORTH MUSKHAM	Medieval	479800	359500
L5946	FIND FROM NORTH MUSKHAM	Medieval	479500	359800
L11178	Medieval and post medieval pottery from field 5620, North Muskham	Medieval	479530	358220
L11157	Medieval and post medieval pottery from field 0049, South Muskham	Medieval	477860	358460
L11168	Medieval and post medieval pottery from field 3400, South Muskham	Medieval	478210	358100
M2962	SITE OF A MEDIEVAL CHAPEL AT BATHLEY	Medieval	477600	359070
L2962	STONE COFFINS FROM BATHLEY	Medieval	477600	359070
M14631	SOUTH VIEW FARMHOUSE	Post-medieval	480216	359367
M18522	Back Close Farm Barn	Post-medieval	480529	359417
M18523	South View Farm Barn	Post-medieval	480235	359370
MNT26706	Grounds at The Hall, Holme	Post-medieval	480249	359204

Reference	Name	Period	Easting	Northing
M18520	Old Hall Farm Barn	Post-medieval	480167	358985
M14672	THE COTTAGE	Post-medieval	480191	359148
M9230	THE SHADES	Post-medieval	479619	359405
M9231	STABLE, OUTHOUSE AND PUMP AT THE SHADES	Post-medieval	479636	359402
M14465	SYCAMORE COTTAGE	Post-medieval	479599	359230
M14414	MANOR COTTAGE	Post-medieval	479624	359238
M14463	NORTH MUSKHAM POST OFFICE	Post-medieval	479582	359090
M14502	BLACKSMITH COTTAGE	Post-medieval	479571	359119
M14464	TRENT FARM COTTAGE	Post-medieval	479601	359119
M14468	Silverdene	Post-medieval	479583	359102
M14503	THE COTTAGE	Post-medieval	479594	359191
M9235	NORTH ROAD HOUSE	Post-medieval	479371	359145
M17163	CLEMATIS COTTAGE	Post-medieval	480177	359294
M15675	STABLE COTTAGE	Post-medieval	480199	359270
M14630	HOUSE ADJACENT TO HADFIELDS FARMHOUSE TO SOUTH	Post-medieval	480172	359177
M14629	HOUSE ON CORNER OF MAIN STREET AND LANGFORD LANE	Post-medieval	480188	359116
M18521	Hadfields Farm Barn	Post-medieval	480157	359253
MNT26677	Grounds at Muskham Grange	Post-medieval	479514	359343
M14498	FERRY LANE COTTAGE	Post-medieval	479674	358799

Reference	Name	Period	Easting	Northing
M14460	COSTA-LOTT	Post-medieval	479649	358792
M14416	ROW OF HOUSES ADJACENT TO TRENT COTTAGE TO SOUTH	Post-medieval	479764	358818
M9232	TRENT BANK HOUSE	Post-medieval	479799	358758
M14046	CHERRY COTTAGE	Post-medieval	479573	358957
M14462	THE NOOK	Post-medieval	479781	358627
M14671	GRANGE FARMHOUSE	Post-medieval	480233	359559
M18519	Grange Farm Barn	Post-medieval	480238	359598
MNT26678	Grounds at Muskham House, North Muskham	Post-medieval	479819	359939
M9228	THE OLD HALL	Post-medieval	479703	358551
M14415	REINDEER HOUSE	Post-medieval	479816	358705
M14469	TRENT VIEW	Post-medieval	479816	358690
M14419	AINGARTH	Post-medieval	479758	358622
M14461	CHURCH ROW	Post-medieval	479795	358622
M14499	CHURCH COTTAGE	Post-medieval	479799	358577
M14501	FOXGLOVE COTTAGE	Post-medieval	479805	358526
M17159	THE NOOK	Post-medieval	479818	358532
M14457	BURRIDGE FARM COTTAGE	Post-medieval	479834	358321
M14466	HOLLY TREE COTTAGE	Post-medieval	479748	358313
M14495	NORFLEET	Post-medieval	479854	358301
M14494	THE CROWN INN	Post-medieval	479749	358246

Reference	Name	Period	Easting	Northing
M14456	HOLLY HOUSE	Post-medieval	479746	358268
M14496	TRENT COTTAGE	Post-medieval	479848	358273
M14497	10 CRAB LANE	Post-medieval	479830	358276
M14470	CROWN COTTAGE	Post-medieval	479827	358249
M14413	FIELD VIEW AND CHERRY TREE COTTAGE	Post-medieval	479734	358195
M14458	SOUTH VIEW	Post-medieval	479825	358196
M15032	THE GREEN	Post-medieval	477809	359089
M15067	SPRING COTTAGE	Post-medieval	477646	359384
M17152	THE CROWN INN	Post-medieval	477849	359004
M15031	OUTBUILDING TO THE CROWN INN	Post-medieval	477864	358999
M15070	FIRST HOUSE ADJOINING THE CROWN INN TO WEST	Post-medieval	477838	359008
M15069	SECOND HOUSE ADJOINING THE CROWN INN TO WEST	Post-medieval	477833	359012
M15072	POPLARS FARMHOUSE	Post-medieval	477704	359401
M15034	WINDY RIDGE AND GLENBY COTTAGE	Post-medieval	477641	359360
M15071	GREY STONES	Post-medieval	477645	359264
M15033	ELM FARMHOUSE	Post-medieval	477638	359213
M15068	BATHLEY WESLEYAN METHODIST CHURCH	Post-medieval	477856	359122
M9197	GRANGE FARM HOUSE	Post-medieval	477908	359116
M15073	FIRST HOUSE SOUTH OF SUNNY VIEW	Post-medieval	477802	359043
M15035	CHERRYMEAD	Post-medieval	477839	358967

Reference	Name	Period	Easting	Northing
M15030	WAYSIDE COTTAGE	Post-medieval	477928	358753
M15067	SPRING COTTAGE	Post-medieval	477644	359380
M3747	FLOOD DEFENCES AT HOLME	Post-medieval	480700	359900
L3747	EMBANKMENT AT HOLME	Post-medieval	480700	359900
L3704	POST MEDIEVAL COIN FROM HOLME	Post-medieval	480300	359100
M18518	Back Close Farm Barn	Post-medieval	480529	359417
M3258	MUSKHAM GRANGE, NORTH MUSKHAM	Post-medieval	479550	359320
M3740	SMITHY AT HOLME	Post-medieval	480210	359280
L3258	SITE OF MUSKHAM GRANGE, NORTH MUSKHAM	Post-medieval	479550	359320
L3740	MAP DEPICTION OF SMITHY AT HOLME	Post-medieval	480210	359280
M14417	1-8 CHAPEL LANE - DEMOLISHED	Post-medieval	479535	359119
M14467	HOUSE OPPOSITE 1-8 CHAPEL LANE - DEMOLISHED	Post-medieval	479534	359103
M14418	BUENA VISTA	Post-medieval	479712	358735
MNT26584	Ferry at North Muskham/Holme	Post-medieval	479870	358800
M3741	FLOOD DEFENCES AT HOLME	Post-medieval	480160	359500
L3741	MAP DEPICTION OF A FLOODBANK AT HOLME	Post-medieval	480160	359500
M3269	WINDMILL AT MILL HOUSE, NORTH MUSKHAM	Post-medieval	479420	358200
L3269	MAP DEPICTION OF WINDMILL, MILL HOUSE, NORTH MUSKHAM	Post-medieval	479420	358200
M14420	HOUSE ADJACENT TO YEW TREE COTTAGES TO NORTH	Post-medieval	479770	358516
M14459	LITTLE ACRE	Post-medieval	479707	358617

Reference	Name	Period	Easting	Northing
M14471	HOUSE ADJACENT TO YEW TREE COTTAGES - DEMOLISHED	Post-medieval	479747	358484
M3260	PUMP & WELL AT BATHLEY	Post-medieval	477920	358890
M3266	WINDMILL AT MILL HOUSE, NORTH MUSKHAM	Post-medieval	478490	358830
L3260	MAP DEPICTION OF PUMP & WELL AT BATHLEY	Post-medieval	477920	358890
L3266	MAP DEPICTION OF WINDMILL, MILL HOUSE, NORTH MUSKHAM	Post-medieval	478490	358830
L9766	C17 COTTAGE AT BATHLEY	Post-medieval	477910	359110
L11133	Post medieval gunflint from field 3400, South Muskham	Post-medieval	478210	358100
L3123	C16 POTTERY FROM BATHLEY	Post-medieval	477300	359400
M9159	HOLME HALL	19th century	480240	359217
M9236	OUTBUILDING AT NORTH ROAD HOUSE	19th century	479382	359159
M9237	RAILINGS AND GATE AT NORTH ROAD HOUSE	19th century	479361	359152
M13785	STABLE BLOCK TO WEST & SLIGHTLY NORTH OF HOLME HALL	19th century	480209	359249
M9233	EDGEFIELD HOUSE HOTEL AND BOUNDARY WALL	19th century	479371	359624
M9234	COACH HOUSE AND WALL AT EDGEFIELD HOUSE HOTEL	19th century	479358	359639
M13930	MANOR FARM HOUSE AND ADJOINING BOUNDARY WALL	19th century	477735	359496
L3598	EARTHWORKS AT HOLME	Undated	480739	359557
L3601	EARTHWORKS BY RIVER AT HOLME	Undated	480430	359444
L3599	CROPMARK COMPLEX AT HOLME	Undated	480561	359345
M18707	Gothic Cottage	Undated	480250	359119
M18179	SETTLEMENT AT HOLME	Undated	480584	358278

Reference	Name	Period	Easting	Northing
M18706	1 Holme Village	Undated	480228	358676
L2991	RECTANGULAR ENCLOSURE AT NORTH MUSKHAM	Undated	479252	359109
L10170	MOUNDS AND HOLLOWS AT HOLME	Undated	480111	359038
L10169	MOUNDS AND HOLLOWS AT HOLME	Undated	480106	358897
M14500	DOVECOTE ADJOINING TRENT BANK HOUSE	Undated	479781	358764
M18703	Farm House, Main Street Holme	Undated	480165	358792
M18704	Cottage on Main Street, Holme	Undated	480161	358911
M18708	The Old Hall	Undated	480122	358951
M4208	SETTLEMENT COMPLEX AT NORTH MUSKHAM	Undated	479826	359936
L2986	CROPMARK COMPLEX AT NORTH MUSKHAM	Undated	479333	359819
L2993	CROPMARK COMPLEX AT SOUTH MUSKHAM	Undated	479128	358065
L8361	CROPMARK COMPLEX AT NORTH MUSKHAM	Undated	479543	357791
L8356	LINEAR FEATURE & PIT ALIGNMENT AT NORTH MUSKHAM	Undated	479259	358500
L8357	LINEAR FEATURES & RING DITCH AT NORTH MUSKHAM	Undated	479462	358587
L8358	ENCLOSURE AT NORTH MUSKHAM	Undated	479679	358636
L8359	FAINT LINEAR FEATURES AT NORTH MUSKHAM	Undated	479590	358439
L8360	CROPMARK COMPLEX AT NORTH MUSKHAM	Undated	479401	358378
L2969	ENCLOSURES & PIT ALIGNMENT AT NORTH MUSKHAM	Undated	478624	359936
L8343	ENCLOSURE & PIT ALIGNMENT AT SOUTH MUSKHAM	Undated	478322	358112
L8341	SERIES OF ENCLOSURES AT SOUTH MUSKHAM	Undated	478419	358278

Reference	Name	Period	Easting	Northing
M8342	SETTLEMENT AT SOUTH MUSKHAM	Undated	478619	358097
L2977	RECTILINEAR ENCLOSURE & LINEAR FEATURES AT NORTH MUSKHAM	Undated	478956	358452
M8337	SETTLEMENT AT NORTH MUSKHAM	Undated	478720	359119
L8338	RECTILINEAR ENCLOSURES AT NORTH MUSKHAM	Undated	478624	358994
L2970	LINEAR FEATURE AT NORTH MUSKHAM	Undated	478842	359752
L2974	RECTANGULAR ENCLOSURE AT BATHLEY/ NORTH MUSKHAM	Undated	478462	359434
L2971	LINEAR FEATURES AT NORTH MUSKHAM	Undated	478857	359542
L2972	LINEAR FEATURE & PIT ALIGNMENT AT BATHLEY	Undated	478294	359475
L8336	FIELD BOUNDARIES AND PIT ALIGNMENT AT NORTH MUSKHAM	Undated	478714	359299
L2989	LINEAR FEATURES & CIRCULAR ENCLOSURE AT NORTH MUSKHAM	Undated	479130	359508
L2976	ENCLOSURE AND LINEAR FEATURE AT NORTH MUSKHAM	Undated	478689	358752
L2973	CIRCULAR ENCLOSURE AT BATHLEY	Undated	478352	359145
M8332	SETTLEMENT AT BATHLEY	Undated	478297	358899
L8334	CIRCULAR ENCLOSURE AT BATHLEY	Undated	478154	358951
L8335	ENCLOSURES AT BATHLEY	Undated	477976	359092
L2961	LINEAR FEATURES AT BATHLEY	Undated	477978	359657
L8321	ENCLOSURES & FIELD BOUNDARIES AT BATHLEY	Undated	478153	359700
M15066	HOLLY TREE COTTAGE	Undated	477926	358745
M18697	Bathley House	Undated	477682	359287
M18698	Bramley House	Undated	477641	359304
L8339	CROPMARK COMPLEX AT SOUTH MUSKHAM	Undated	477866	358447

Reference	Name	Period	Easting	Northing
L2963	LINEAR FEATURES AT SOUTH MUSKHAM	Undated	477591	358053
M18699	The Barn	Undated	477543	358944
L3599	CROPMARK COMPLEX AT HOLME	Undated	480600	359400
MNT27037	Sharpe's Farm, Holme (Demolished)	Undated	480217	359506
L10171	MOUNDS AT HOLME	Undated	480250	358990
MNT27741	Clapper Gate 12	Undated	480230	358441
L12119	Features in trenches 3 and 4, North Muskham	Undated	479680	359410
L2991	RECTANGULAR ENCLOSURE AT NORTH MUSKHAM	Undated	479250	359100
L10169	MOUNDS AND HOLLOWES AT HOLME	Undated	480120	358890
L10170	MOUNDS AND HOLLOWES AT HOLME	Undated	480120	358890
L3601	EARTHWORKS BY RIVER AT HOLME	Undated	480000	358900
L8356	LINEAR FEATURE & PIT ALIGNMENT AT NORTH MUSKHAM	Undated	479250	358600
L8357	LINEAR FEATURES & RING DITCH AT NORTH MUSKHAM	Undated	479400	358600
L8358	ENCLOSURE AT NORTH MUSKHAM	Undated	479700	358650
MNT27038	Brick-lined well near Sharpe's Farm, Holme	Undated	480211	359507
L2986	CROPMARK COMPLEX AT NORTH MUSKHAM	Undated	479300	359800
L2988	CROPMARK COMPLEX AT NORTH MUSKHAM	Undated	479800	359700
L11200	Fire cracked pebbles from field 5620, North Muskham	Undated	479530	358220
L8359	FAINT LINEAR FEATURES AT NORTH MUSKHAM	Undated	479600	358450
L8360	CROPMARK COMPLEX AT NORTH MUSKHAM	Undated	479500	358350

Reference	Name	Period	Easting	Northing
L8361	CROPMARK COMPLEX AT NORTH MUSKHAM	Undated	479600	358100
L8342	CROPMARK COMPLEX AT SOUTH MUSKHAM	Undated	478600	358150
M8342	SETTLEMENT AT SOUTH MUSKHAM	Undated	478600	358150
L2977	RECTILINEAR ENCLOSURE & LINEAR FEATURES AT NORTH MUSKHAM	Undated	478900	358400
L8341	SERIES OF ENCLOSURES AT SOUTH MUSKHAM	Undated	478400	358300
M8337	SETTLEMENT AT NORTH MUSKHAM	Undated	478700	359100
L2969	ENCLOSURES & PIT ALIGNMENT AT NORTH MUSKHAM	Undated	478600	359900
L2970	LINEAR FEATURE AT NORTH MUSKHAM	Undated	478840	359750
L2971	LINEAR FEATURES AT NORTH MUSKHAM	Undated	478980	359550
L2975	RECTANGULAR ENCLOSURE AT NORTH MUSKHAM	Undated	478650	359430
L2989	LINEAR FEATURES & CIRCULAR ENCLOSURE AT NORTH MUSKHAM	Undated	479100	359500
L8336	FIELD BOUNDARIES AND PIT ALIGNMENT AT NORTH MUSKHAM	Undated	478700	359300
L8337	CROPMARK COMPLEX AT NORTH MUSKHAM	Undated	478700	359100
L8338	RECTILINEAR ENCLOSURES AT NORTH MUSKHAM	Undated	478600	359000
L9730	RING DITCH AT NORTH MUSKHAM	Undated	478730	359000
L9731	ENCLOSURE AT NORTH MUSKHAM	Undated	478730	359540
M3265	WELL AT BATHLEY	Undated	478250	358850
M8332	SETTLEMENT AT BATHLEY	Undated	478300	359000
L2961	LINEAR FEATURES AT BATHLEY	Undated	477900	359600

Reference	Name	Period	Easting	Northing
L2972	LINEAR FEATURE & PIT ALIGNMENT AT BATHLEY	Undated	478200	359300
L2973	CIRCULAR ENCLOSURE AT BATHLEY	Undated	478340	359160
L2974	RECTANGULAR ENCLOSURE AT BATHLEY/ NORTH MUSKHAM	Undated	478460	359400
L2976	ENCLOSURE AND LINEAR FEATURE AT NORTH MUSKHAM	Undated	478700	358750
L3265	MAP DEPICTION OF WELL AT BATHLEY	Undated	478250	358850
L8321	ENCLOSURES & FIELD BOUNDARIES AT BATHLEY	Undated	478100	359700
L8332	CROPMARKS AT BATHLEY	Undated	478300	359000
L8334	CIRCULAR ENCLOSURE AT BATHLEY	Undated	478150	358970
L8335	ENCLOSURES AT BATHLEY	Undated	477950	359100
L9765	RING DITCH AT BATHLEY	Undated	477870	359730
L9801	LINEAR FEATURE AT BATHLEY / NORTH MUSKHAM	Undated	478420	358830
L11182	Fire cracked pebbles from field 0049, South Muskham	Undated	477860	358460
L2963	LINEAR FEATURES AT SOUTH MUSKHAM	Undated	477500	358100
L8339	CROPMARK COMPLEX AT SOUTH MUSKHAM	Undated	477800	358500
L8340	CIRCULAR ENCLOSURES AT SOUTH MUSKHAM	Undated	478000	358200
L9802	TRACKWAY & ENCLOSURES AT SOUTH MUSKHAM	Undated	478080	358330
L11183	Fire cracked pebbles from field 3400, South Muskham	Undated	478210	358100
M3264	WELL AT SOUTH MUSKHAM	Undated	478150	358230
L3264	MAP DEPICTION OF WELL AT SOUTH MUSKHAM	Undated	478150	358230
M3226	WELL AT BATHLEY	Undated	477600	359100
L3226	MAP DEPICTION OF WELL AT BATHLEY	Undated	477600	359100

Table A11.1.25 Area 9 NHER Event Data

Event ID	Name	Event Types
ENT4311	Land at Langford, Nottinghamshire. An Archaeological Desktop Assessment for Tarmac Ltd.	DBA
ENT4455	Timber Sampling at Church of St. Giles, Holme	Timber Sampling
ENT4224	The Hollies, Batley, Newark: Architectural Survey	Architectural Survey
ENT4442	Timber sampling at The Hollies, Bathley (Two sampling dates)	Timber Sampling
ENT3872	Trial trenching at North Muskham by JSAC	Evaluation
ENT4176	Watching brief at Sharpe's Farm, Holme by TSAC	Watching Brief
ENT4587	Thermal Imaging at Church of St. Giles, Holme	Thermal Imaging

A11.1.3.10.6 Area 9: Plates



Plate 1) View of fields south of
Vicarage Lane, looking south



Plate 2) View of fields south of
Vicarage Lane, looking north



Plate 3) View of fields north of
Bathley Lane, looking south-west



Plate 4) View of fields north of
Bathley Lane, looking north

A11.1.3.11 AREA 10

A11.1.3.11.1 Introduction

291 Area 10 is located in the south-east of the Study Area. The land within which the Order Limits lies is agricultural in character, with the settlement of Little Carlton to the west of the Site, and South Muskham to the east of the Order Limits. The landscape lies to the north and west of the River Trent situated within the lowlands of the river valley, the topography of the Area lies between 11 and 14 m aOD.

292 The underlying bedrock of Area 10 consists of Mercia Mudstone. There are superficial deposits across Area 10 consisting of Alluvium – Clay, Silt, Sand and Gravel, and Holme Pierrepont Sand and Gravels, these deposits are situated across the Area (British Geological Survey).

A11.1.3.11.2 Designated Heritage Assets

A11.1.3.11.2.1 Order Limits

293 There are no Designated Archaeological Assets within the Order Limits, in Area 10.

A11.1.3.11.2.2 Study Area

294 The Designated Archaeological Assets within Area 10 include one Grade I Listed Building, one Grade II* Listed Building, ten Grade II Listed Buildings, and five Scheduled Monuments.

295 The Scheduled Monuments are the following: an Iron Age Settlement (**NHLE 1003494**) situated approximately 600 m east of the Order Limits, a site of Pit Alignments (**NHLE 1003493**) situated approximately 65 m east of the Order Limits, Little Carlton medieval village and part of the meadow field system (**NHLE 1019870**) situated approximately 170 m west of the Order Limits, and in the south of the Area two Civil war monuments (**NHLE 1017620**, **NHLE 1016047**).

296 All Designated Archaeological Assets are illustrated in **Figure A11.1.2d**.

A11.1.3.11.3 Previous Studies

A11.1.3.11.3.1 Order Limits

297 In 2022 AOC, Magnitude and Wessex Archaeology undertook a phase of geophysical survey across various locations within Area 10.

298 The NHER also records one previous investigation within the Order Limits boundary within the Area, with a watching brief within the north-eastern section of the Order Limits (**ENT3871**). No archaeological remains or artefacts were encountered.

A11.1.3.11.3.2 Study Area

299 There have been a number of archaeological events within the Study Area, within Area 10. These events have been largely focussed in the north-east of the Study Area, including excavation, trial trenching, watching briefs, and geophysical surveys.

300 Where relevant, the results of these investigations are discussed in further detail below in the archaeological and historical context.

301 Previous archaeological investigations carried out within the Study Area are illustrated in **Figure A11.1.8d**.

A11.1.3.11.4 Archaeological and Historical Context

A11.1.3.11.4.1 Prehistoric (970,000 BC – AD 43) (Figure A11.1.3d)

302 Within Area 10 there has been a considerable amount of fieldwalking undertaken across the Study Area which has resulted in a higher level of Palaeolithic and Mesolithic lithic finds than present in other Areas. Several Palaeolithic finds have been recovered (**L11140**) (**L11144**). A higher quantity of Mesolithic flint finds have been recovered from across the whole of the Area (**L11122**, **L11130**, **L11127**, **L11125**, **L11119**, **L11116**). This marked increase in comparison to the other Areas is likely a combination of the increased fieldwalking activity alongside the banks of the River Trent, a desirable landscape for Palaeolithic and Mesolithic communities.

303 Similarly, the NHER Data for the Neolithic and Bronze Age periods is defined by a large number of lithic finds both within and outside the Order Limits boundary, as a result of extensive field walking within this landscape (**L11120**, **M18281**, **L11123**, **L1121**, **L11124**, **L11129**, **L11134**, **L11132**). Despite the increase in settlement activity within this period, no Neolithic settlement activity has been recorded within the Area. However, one small area of possible Bronze Age settlement activity has been recorded within the north-eastern corner of the Order Limits. The activity consisted of a cluster of fire-cracked pebbles within a roughly circular patch, as this was recorded during fieldwalking, it is possible that all of this feature is not yet exposed and carries the potential for an undisturbed settlement and activities associated with Bronze Age settlements (**M18279**).

304 A possible small Iron Age settlement site has been identified via aerial photography within the north-east of the Order Limits, to the north-west of South Muskham (**NHLE 1003494/M8348**). The settlement is formed by a complex of intersecting linear features, which include a square enclosure with a circular patch in a small irregular enclosure containing a small circle and pit alignment. An Iron Age quern stone has also been identified in proximity to this possible settlement (**L5642**), alongside Iron Age pottery sherds (**L11166**, **L11149**) and an Iron Age brooch (**L11107**).

305 A similar possible Iron Age settlement site has also been identified within the south-west of the Order Limits, aerial photography identified a complex of linear features and enclosures mainly squarish or rectangular in form (**M8330**).

306 Due to the nature of Iron Age settlements being repurposed during the Romano-British period, these settlements may also have been the site of later Romano-British settlement activity.

A11.1.3.11.4.2 Romano-British (AD 43-410) (Figure A11.1.3d)

307 The continued development of the landscape during the Romano-British period has revealed via aerial photography. Further possible settlements outside of the Order Limits boundary (**M8350**, **L8344**). North-west of the

Order Limits, a series of excavations were undertaken to test for cropmark features, several pits and ditches were uncovered within which large quantities of Romano-British pottery were uncovered (**L8344**).

- 308 Romano-British finds have been found elsewhere via fieldwalking activities, with surface-level pottery sherds located within proximity to the identified cropmarks (**L11109, L11108, L11148**).
- 309 Similar patterns have been observed throughout the rest of the Study Area, with a mix of surface-level finds and possible small settlement sites identified via aerial photography.

A11.1.3.11.4.3 Saxon (AD 410- 1066)- Medieval (AD 1066-1500) (Figure A11.1.4d)

- 310 Despite a general paucity of Anglo-Saxon finds within the region, remnants of Anglo-Saxon pottery and isolated finds have been uncovered during fieldwalking activities to the east of the Order Limits (**L11169, L2900, L11174, L8365, L3128, L11167**).
- 311 Whilst no further Anglo-Saxon finds have been found within Area 10, two settlements are recorded in the 1086 Domesday Survey, indicating established settlement activity within the Anglo-Saxon period.
- 312 During the medieval period, the manor of Little Carlton, was located adjacent to the western boundary of the Order Limits within Area 10. The manor had a total of 23.5 households, consisting of 7 villagers, 22 freemen, and 16 smallholders. The manor's landholdings were extensive including 17.5 plough teams, 66 acres of meadow, and 80 acres of woodland.
- 313 The manor of South Muskham was located adjacent to the eastern boundary of the Order Limits within Area 10. The manor had a total of 24.5 households, consisting of 7 villagers, 21 freemen, and 18 smallholders. The manor's landholdings were extensive including 18.8 plough teams, 78 acres of meadow, and 80 acres of woodland.
- 314 Given the extent of land under cultivation, and the Order Limits proximity to the village centre, it is likely that some if not all areas of the Order Limits would have formed part of both the Little Carlton and South Muskham Manors. It is expected that the Order Limits would have been part of the agricultural land utilised during the medieval period.
- 315 Earthwork evidence to the west of Little Carlton indicates that the settlement has shrunk in size since the medieval period, with trackways, sunken pathways, boundaries, as well as house platforms and tofts all visible within now agricultural fields (**M2965**).
- 316 The remaining medieval evidence within South Muskham can be seen within the Church of St Wilfrid, situated approximately 355 m east of the Order Limits (**M3147**). The western tower, chancel and large five-light window are all 13th century, alongside two arcades dating to the 14th century.
- 317 As noted with earlier periods the increase in fieldwalking activity within Area 10 has resulted in large numbers of surface-level finds being identified, which can also be seen through the large level of medieval pottery sherds that have been located throughout the Area, including within the Order Limits (**L11168, L11164, L11162, L11161, L11165, L11163, L11160, L11154**,

L11159, L11155). Also seen via aerial photography in the south-west of the Order Limits, a pair of parallel ditches with two ditches and one incomplete ring ditch has been recorded as a possible post mill from the medieval period (M18020).

A11.1.3.11.4.4 Post-medieval (AD 1500-1800) and 19th century (AD 1800-1900) (Figure A11.1.5d – 6d)

- 318 Evidence would suggest that there was a continuation of occupation and land use from the medieval through to the post-medieval period. Within Area 10 the known centre of medieval settlement, South Muskham, there are a number of residential buildings and features that are known to be post-medieval in date many of which are now Listed Buildings. Rose Dene (**M14289**), Rosegarth (**M14325**), and Grange Farmhouse (**M14066**) are all examples of properties built post-1500.
- 319 During the 17th century, England experienced a series of armed conflicts between Parliamentarians and Royalists, most commonly known as the English Civil War. The Area encompasses an important landscape for the Civil War with the main quarters of the Scots army at the third siege of Newark lying between the Kelham and Muskham bridges (**M5640**). Clampe's Plan, a cartographic source from the period, shows it as a large, entrenched camp of bastion trace with redans at the centre of the north-east and south-west sides and south-west of the centre of the other two. Limited remains can be seen of the camp however, a section of ditch identified via aerial photography may indicate the potential for further remains to be uncovered. A number of scheduled monuments relating to the civil war defences around Newark are recorded to the south-east of the Order Limits (**M5641, M3129, M2980**).
- 320 As well as the military encampment, gunflints have also been identified throughout the Area (**L11126, L11128, L11133**). Also identified was a post-medieval pump, which is no longer present within the landscape (**L3279**).

A11.1.3.11.4.5 Undated (Figure A11.1.7d)

- 321 There are a large number of undated features recorded within the NHER Data, this is due in part to the high level of aerial imagery analysis that has been undertaken throughout the landscape and also as a result of high levels of fieldwalking undertaken within the Area. Within the boundary of the Order Limits itself, a large number of undated features of possible archaeological origin have been identified via aerial imagery. The following currently undated archaeological features have been identified within the Order Limits boundary within Area 10.
- 322 A large number of undated finds located across the Area consist of fire-cracked pebbles (representative of possible burning), these pebbles indicate the presence of possible prehistoric activity across the landscape, however, due to the nature of the finds they are not able to be accurately dated to a specific period.
- 323 As well as these pebbles a number of cropmark complexes have been identified via aerial photography, possibly indicating settlement activity (**M8342, M8347, L8348, L2967, L8330, L8345, L8352**). As previously stated however without intrusive archaeological investigations the provenance of these features cannot be affirmed.

A11.1.3.11.5 Area 10: Gazetteers

Table A11.1.28 Area 10 NHLE Data

List Entry	Name	Grade	Easting	Northing
1179422	Church Of St Wilfrid	I	479386	357319
1369972	The Gables	II*	477917	357095
1045945	Viaduct 450 Metres South Of Muskham Bridge	II	478907	355780
1045946	Viaduct 300 Metres South Of Muskham Bridge	II	478855	355906
1045963	Boundary Wall At Church Of St Wilfrid	II	479360	357346
1045964	Grange Farmhouse And Adjoining Farm Buildings	II	478884	356965
1179452	Lamp Post At Church Of St Wilfrid	II	479363	357313
1196288	Causeway Arch 1300 Metres North West Of Level Crossing	II	479084	355374
1297726	Causeway Arches 1490 Metres Northwest Of Level Crossing (Part In Newark Civil Parish)	II	478999	355563
1301913	Manor Farm Cottages	II	477564	357263
1370003	Viaduct 650 Metres South Of Muskham Bridge	II	478997	355567
1370004	Viaduct 150 Metres South Of Muskham Bridge	II	478805	356025
1003493	Site Of Pit Alignments	Schedule d Monument	479134	357990
1003494	Iron Age Settlement	Schedule d Monument	479821	357765
1016047	Gun Platform 440m South East Of Muskham Bridge	Schedule d Monument	478962	355880
1017620	Civil War Sconce 150m West Of Muskham Bridge	Schedule d Monument	478609	356275

List Entry	Name	Grade	Easting	Northing
1019870	Little Carlton Medieval Village And Part Of The Meadow Field System	Schedule d Monument	477631	357295

Table A11.1.29 Area 10 NHER Monument Data

Reference	Name	Period	Easting	Northing
L11139	Flints From Field 9999, South Muskham	Palaeolithic	479420	357380
L11143	Worked Flint From Field 3200, South Muskham	Palaeolithic	479370	357870
L11135	Worked Flint From Field 0873, South Muskham	Palaeolithic	479110	356790
L11140	Flints From Field 0005, South Muskham	Palaeolithic	478950	358060
L11144	Worked Flint From Field 0080, South Muskham	Palaeolithic	478030	356690
L11125	Worked Flints From Field 6200, South Muskham	Mesolithic	478570	356980
L11127	Multi-Period Flint Scatter From Field 6524, South Muskham	Mesolithic	478620	357240
L11136	Early Mesolithic Flint From Field 1300, South Muskham	Mesolithic	479120	356950
L11130	Worked Flints From Field 8648, South Muskham	Mesolithic	478830	357540
L11116	Mes And Neo Flints From Field 5800(S), South Muskham	Mesolithic	477560	356830
L11345	Worked Flint From Fieldwalking, Kelham	Mesolithic	477750	355610
L11346	Worked Flints From Fieldwalking, Kelham	Mesolithic	477900	355420
L11119	Multi-Period Flint Scatter From Field 0057, South Muskham	Mesolithic	478320	356830
L11122	Multi-Period Flint Scatter From Field 1200, South Muskham	Mesolithic	478210	357830
L11112	Neo-BA Flints From Field 5057, South Muskham	Neolithic	479220	357690

Reference	Name	Period	Easting	Northing
L11113	Neo-BA Flint Scatter From Field 1500(S), South Muskham	Neolithic	479270	357540
L11138	Late Neo/ Early BA Flints From Field 5500, South Muskham	Neolithic	479550	357980
L11141	Late Neo / Early BA Flints From Field 1500(N), South Muskham	Neolithic	479160	357990
L11120	Multi-Period Flint Scatter From Fields 4867/6867, South Muskham	Neolithic	478710	356670
L11123	Neolithic Flint Scatter From Field 4050 (Now 6524), South Muskham	Neolithic	478790	357210
L11137	Late Neo/ Early BA Scraper From Field 1300, South Muskham	Neolithic	479120	356950
M18281	Possible Neolithic Henge At South Muskham	Neolithic	478550	357120
L11111	Fire Cracked Pebbles From Field 0005, South Muskham	Neolithic	478970	358130
L11124	Late Neo / Early BA Flints From Field 5073, South Muskham	Neolithic	478490	357750
L11129	Late Neo / Early BA Flints From Field 8100, South Muskham	Neolithic	478780	357920
L11134	Late Neo/ Early BA Flints From Field 5800(N), South Muskham	Neolithic	478580	358090
L11117	Worked Flint From Field 0087, South Muskham	Neolithic	477930	357740
L11121	Neo / Early BA Flints From Field 0044, South Muskham	Neolithic	478130	357470
L5636	Neolithic Finds From South Muskham	Neolithic	478000	357000
L11132	Late Neo/ Early BA Flints From Field 3400, South Muskham	Neolithic	478210	358100
M18279	Possible Burnt Mound At South Muskham	Bronze Age	478970	358130
L5644	Flat Axe From North Muskham	Bronze Age	479000	358000
L11243	? Quernstone From Field 9999, South Muskham	Iron Age	479420	357380
M2995	Multi-Period Settlement At South Muskham	Iron Age	479800	357700
L5642	Quern From South Muskham	Iron Age	478950	357290

Reference	Name	Period	Easting	Northing
L11107	IA / Ro Brooch From Field 8648, South Muskham	Iron Age	478900	357500
L11166	IA, Ro Or E Med Pottery From Field 8648, South Muskham	Iron Age	478830	357540
M8348	Settlement At South Muskham	Iron Age	478900	357500
L11181	Hand Made Pottery From Field 0080, South Muskham	Iron Age	477900	356700
L11149	IA-Roman Pottery From Field 1200, South Muskham	Iron Age	478210	357830
L11239	IA Pottery From Field 0057, South Muskham	Iron Age	478300	356800
M8330	Farmstead At South Muskham	Iron Age	477900	356600
L11151	Roman Pottery From Field 5500, South Muskham	Romano-British	479550	357980
L8364	Roman Finds From South Muskham	Romano-British	479900	357900
L8798	Roman Finds From South Muskham	Romano-British	479910	357590
L5645	Roman Finds From South Muskham	Romano-British	478700	356300
L11148	Roman Pottery From Fields 4867/6867, South Muskham	Romano-British	478700	356700
L11150	Roman Pottery From Field 1300, South Muskham	Romano-British	479140	356960
M8350	Settlement At South Muskham	Romano-British	478450	357250
M18037	Roman Settlement At South Muskham	Romano-British	479300	356600
L3126	Roman Coin From South Muskham	Romano-British	479300	356400
L3127	Roman Finds From South Muskham	Romano-British	479600	356500
L8158	Well Shaft And Foundations, South Muskham	Romano-British	479300	356600
L8159	Ditches, South Muskham	Romano-British	478930	356610
L8368	Pits And Ditches, South Muskham	Romano-British	479300	356600

Reference	Name	Period	Easting	Northing
L8369	Cropmarks At South Muskham	Romano-British	478950	356500
L8370	Ditches, Pits And Hearth At South Muskham	Romano-British	479210	356600
L11109	Lava Quern From Field 3400, South Muskham	Romano-British	478430	358030
L10807	Roman Finds From Little Carlton	Romano-British	477550	357370
L11108	Lava Quern From Field 1200, South Muskham	Romano-British	478100	357780
L11146	Roman Pottery From Field 0087, South Muskham	Romano-British	477930	357740
L8322	Enclosures And Ring Ditch At Little Carlton	Romano-British	477700	357800
L8344	Enclosures And Linear Features At Little Carlton	Romano-British	478050	357800
L8369	Cropmarks At South Muskham	Romano-British	478987	356430
M8350	Settlement At South Muskham	Romano-British	478459	357213
L8322	Enclosures And Ring Ditch At Little Carlton	Romano-British	477732	357816
L8344	Enclosures And Linear Features At Little Carlton	Romano-British	478051	357773
L11174	Early Medieval Pottery From Field 5500, South Muskham.	Saxon	479550	357980
L8365	Saxon Loomweights From South Muskham	Saxon	479900	357900
L11169	Saxo-Norman Pottery From Field 1300, South Muskham	Saxon	479100	356900
L2900	E Med Architectural Fragment, South Muskham	Saxon	479500	357300
L3128	Anglo Saxon Pottery From South Muskham	Saxon	479600	356700
L11167	Medieval And Post Medieval Pottery From Field 8648, South Muskham	Saxon	478830	357540
L11158	Medieval And Post Medieval Pottery From Field 5057, South Muskham	Medieval	479220	357690

Reference	Name	Period	Easting	Northing
L11171	Medieval Pottery From Field 1500(S), South Muskham	Medieval	479270	357540
L11172	Medieval Pottery From Field 3200, South Muskham.	Medieval	479370	357870
L11173	Med/P Med Pottery From Field 1500(N), South Muskham	Medieval	479160	357990
L11175	Medieval Pottery From Field 5500, South Muskham	Medieval	479550	357980
L11176	Medieval Pottery From Field 9999, South Muskham	Medieval	479420	357380
L11159	Medieval And Post Medieval Pottery From Fields 4867/6867, South Muskham	Medieval	478710	356670
L11160	Medieval And Post Medieval Pottery From Field 6200, South Muskham	Medieval	478570	356980
L11163	Med And P Med Pottery From Field 4050 (Now 6524), South Muskham	Medieval	478790	357210
L11165	Med/P Med Pottery From Field 6524, South Muskham	Medieval	478620	357240
L11170	Medieval And P Med Pottery From Field 1300, South Muskham	Medieval	479100	356900
M5776	Muskham Bridge	Medieval	478670	356440
L3147	Church Of St Wilfred At South Muskham	Medieval	479380	357320
L5776	Documentary References To Muskham Bridge	Medieval	478670	356440
L11164	Med And P Med Pottery From Fields 5073, 8100 And 5800(N), South Muskham	Medieval	478680	357930
L11153	Medieval And Post Medieval Pottery From Kelham	Medieval	477530	356370
L11155	Medieval Pottery From Field 5800(S), South Muskham	Medieval	477560	356830
L11156	Medieval And Post Medieval Pottery From Field 0071, South Muskham	Medieval	477930	357740
L11161	Medieval Pottery From Field 0044, South Muskham	Medieval	478130	357470

Reference	Name	Period	Easting	Northing
M18020	Post Mill At Kelham	Medieval	477702	356304
L8324	Medieval Pottery From South Muskham	Medieval	477500	357600
L9803	Documentary Reference To Little Carlton	Medieval	477600	357300
L11347	Medieval Pottery From Fieldwalking, Kelham	Medieval	477900	355360
L11154	Medieval Pottery From Field 0057, South Muskham	Medieval	478320	356830
L11162	Med And P Med Pottery From Field 1200, South Muskham	Medieval	478210	357830
L11168	Medieval And Post Medieval Pottery From Field 3400, South Muskham	Medieval	478210	358100
M2965	Shrunken Village Of Little Carlton	Medieval	477600	357300
M3093	Medieval Road At Newark	Medieval	479190	355727
M3147	Church Of St Wilfred At South Muskham	Medieval	479385	357319
M9258	The Gables	Medieval	477912	357095
M18020	Post Mill At Kelham	Medieval	477778	356355
L3271	Map Depiction Of Pump & Well, South Muskham	Post-medieval	479920	357950
M3271	Pump & Well At Burrage Farm, South Muskham	Post-medieval	479920	357950
M2980	Civil War Sconce At Muskham Bridge	Post-medieval	478600	356270
M2981	Gun Emplacement At South Muskham	Post-medieval	478960	355850
M3129	Scots Redoubt At South Muskham	Post-medieval	479350	355680
M3283	Pumping Station At South Muskham	Post-medieval	478810	356100
M5641	Civil War Battery At South Muskham	Post-medieval	479110	356330
L2980	Earthworks At South Muskham	Post-medieval	478600	356270
L2981	Pear-Shaped Earthwork At South Muskham	Post-medieval	478960	355850

Reference	Name	Period	Easting	Northing
L3125	C17 Coin Hoard From Newark	Post-medieval	479550	355650
L3129	Civil War Earthworks At South Muskham	Post-medieval	479350	355680
L3283	Building Complex At South Muskham	Post-medieval	478810	356100
L5641	Cropmark Of Fortification, South Muskham	Post-medieval	479110	356330
MNT26557	New Muskham Bridge, South Muskham	Post-medieval	478760	356270
L11126	P Med Gunflint From Field 6200, South Muskham	Post-medieval	478570	356980
L11128	Post Med Gunflints From Field 6524, South Muskham	Post-medieval	478620	357240
M3277	Garden At Muskham Grange, South Muskham	Post-medieval	478800	356900
M3279	Pump At South Muskham	Post-medieval	478880	357170
M3284	Smithy At South Muskham	Post-medieval	479020	357090
M3285	Smithy At South Muskham	Post-medieval	479050	357130
M3288	Pinfold At South Muskham	Post-medieval	479000	356940
M5640	Civil War Battery At South Muskham	Post-medieval	478750	356550
L3277	Map Depiction, Muskham Grange, South Muskham	Post-medieval	478800	356900
L3279	Map Depiction Of House Site, South Muskham	Post-medieval	478880	357170
L3284	Map Depiction Of Smithy At South Muskham	Post-medieval	479020	357090
L3285	Map Depiction Of Smithy At South Muskham	Post-medieval	479050	357130
L3288	Map Depiction Of Pinfold At South Muskham	Post-medieval	479000	356940
L5640	Map Depiction Of Fortification, South Muskham	Post-medieval	478750	356550
L10808	P Med-Mod Pottery, Manor House Farm, Little Carlton	Post-medieval	477560	357640

Reference	Name	Period	Easting	Northing
L10851	Post Medieval Animal Burial At Manor House Farm, Little Carlton	Post-medieval	477510	357600
L11133	Post Medieval Gunflint From Field 3400, South Muskham	Post-medieval	478210	358100
M3238	Well At South View Farm, Little Carlton	Post-medieval	477840	357260
L3238	Map Depiction Of Well At South View Farm, Little Carlton	Post-medieval	477840	357260
M14504	The Cot	Post-medieval	479717	358111
M17708	Burridge Farm	Post-medieval	479872	357998
M3270	The Old Manor House (Formerly North Muskham House)	Post-medieval	479858	358052
M3124	Edinburgh	Post-medieval	478358	355309
M2980	Civil War Sconce At Muskham Bridge	Post-medieval	478604	356270
M2981	Gun Emplacement At South Muskham	Post-medieval	478965	355879
M17149	First House North East Of Jasmine Cottage	Post-medieval	479304	357298
M14289	Rose Dene	Post-medieval	479085	357221
M9256	Boundary Wall At Church Of St Wilfrid	Post-medieval	479356	357340
M14066	Grange Farmhouse And Adjoining Farm Buildings	Post-medieval	478880	356967
M14324	The Grange	Post-medieval	478783	356891
M14325	Rosegarth	Post-medieval	479097	357289
M14326	Rectory Farmhouse	Post-medieval	479297	357328
M3224	Smeaton's Arches	Post-medieval	479079	355371
M3224	Smeaton's Arches	Post-medieval	478988	355586
M3224	Smeaton's Arches	Post-medieval	479005	355545

Reference	Name	Period	Easting	Northing
M3224	Smeaton's Arches	Post-medieval	478848	355919
M3224	Smeaton's Arches	Post-medieval	478906	355781
M3224	Smeaton's Arches	Post-medieval	478801	356027
M3224	Smeaton's Arches	Post-medieval	478856	355896
M9257	Manor Farm Cottages	Post-medieval	477561	357266
M9255	Lamp Post At Church Of St Wilfrid	19th century	479343	357311
L10588	Pillbox At South Muskham Bridge	Modern	478762	356267
L10523	Pillbox At Kelham	Modern	477625	355823
MNT27740	Clapper Gate 11	Undated	480121	358040
L11196	Fire Cracked Pebbles From Field 1500(N), South Muskham	Undated	479160	357990
L11197	Fire Cracked Pebbles From Field 1500(S), South Muskham	Undated	479270	357540
L11198	Fire Cracked Pebbles From Field 9999, South Muskham	Undated	479420	357380
L11199	Fire Cracked Pebbles From Field 5500, South Muskham	Undated	479550	357980
M8363	Pit Alignment At South Muskham	Undated	479130	358000
M18036	Quarries At South Muskham	Undated	479180	357790
L2993	Cropmark Complex At South Muskham	Undated	479140	357990
L2994	Cropmarks At South Muskham	Undated	479200	357500
L2995	Cropmark Complex At South Muskham	Undated	479800	357700
L5638	Enclosure At South Muskham	Undated	479910	357590
L8361	Cropmark Complex At North Muskham	Undated	479600	358100
L8362	Circular Enclosure At South Muskham	Undated	479370	358080
L8363	Parallel Pit Alignment At South Muskham	Undated	479130	358000
L8366	Finds From South Muskham	Undated	479900	357900

Reference	Name	Period	Easting	Northing
L8367	Large Enclosure With Internal Features At South Muskham	Undated	479900	357500
L9732	Enclosure At South Muskham	Undated	479140	357420
L9733	Enclosures At South Muskham	Undated	479500	357630
L9850	Earthworks At South Muskham	Undated	479180	357790
M3304	Well At Kelham	Undated	478930	355660
M18005	Settlement At Newark	Undated	478840	355350
L2982	Parallel Linear Features At Kelham	Undated	478200	355500
L2983	Circular Feature At Kelham	Undated	478450	355600
L2984	Circular Feature At Kelham	Undated	478670	355290
L3304	Map Depiction Of Well At Kelham	Undated	478930	355660
L8799	Finds From South Muskham	Undated	478700	356300
L9727	Cropmark Complex At Newark	Undated	478840	355350
L9729	Field Boundary At Newark	Undated	478510	355630
L11188	Fire-Cracked Pebbles From Fields 6524 And 4050, South Muskham	Undated	478630	357250
L11189	Fire Cracked Pebbles From Field 6867/4867, South Muskham	Undated	478710	356830
L11193	Fire Cracked Pebble From Field 0873, South Muskham	Undated	479100	356800
L11194	Fire Cracked Pebbles From Field 1300, South Muskham	Undated	479100	356900
L11591	Ditch Near Grange Farm, South Muskham	Undated	479160	356840
M18003	Settlement At South Muskham	Undated	479140	356950
M18006	Quarry At South Muskham	Undated	479440	356980
M18618	Church Farmhouse	Undated	479316	357274
L2996	Cropmark Complex At South Muskham	Undated	479200	356700
L3165	Linear Features At South Muskham	Undated	479500	356950
L8350	Cropmark Complex At South Muskham	Undated	478450	357250
L8351	Linear Features & Pit Alignment At South Muskham	Undated	478700	357200

Reference	Name	Period	Easting	Northing
L8352	Cropmark Complex At South Muskham	Undated	478500	357000
L8371	Linear Feature At South Muskham	Undated	479300	356800
L9726	Cropmark Complex At South Muskham	Undated	479140	356950
L9734	Quarry At South Muskham	Undated	479440	356980
M18621	Holly Cottage	Undated	478878	357085
L8342	Cropmark Complex At South Muskham	Undated	478600	358150
L11187	Fire Cracked Pebbles From Fields 5800(N), 8100 And 5073, South Muskham	Undated	478680	357930
L11195	Fire Cracked Pebbles From Fields 8648 And 0059, South Muskham	Undated	478900	357540
L12117	Linear Ditch At Burrige Farm, South Muskham	Undated	478890	357800
M8342	Settlement At South Muskham	Undated	478600	358150
M8347	Settlement At South Muskham	Undated	478800	357800
L8346	Linear Features & Pit Alignment At South Muskham	Undated	478600	357700
L8347	Cropmark Complex At South Muskham	Undated	478800	357800
L8348	Cropmark Complex At South Muskham	Undated	478900	357500
L8349	Parallel Linear Features At South Muskham	Undated	479050	357600
L11185	Fire Cracked Pebble From Field 0044, South Muskham	Undated	478130	357470
L11186	Fire Cracked Pebble From Field 0087, South Muskham	Undated	477930	357740
L11190	Fire Cracked Stones From Kelham	Undated	477530	356370
L11191	Fire Cracked Pebbles From Field 0080, South Muskham	Undated	478030	356690
L11229	Fire-Cracked Pebbles From Field 5800 (S), South Muskham	Undated	477560	356830
L2963	Linear Features At South Muskham	Undated	477500	358100

Reference	Name	Period	Easting	Northing
L2966	Cropmark Complex At South Muskham	Undated	477500	356800
L2967	Cropmark Complex At South Muskham	Undated	478000	356800
L3275	Linear Depression At Kelham	Undated	477970	356300
L3276	U-Shaped Depression At South Muskham	Undated	478080	356370
L8323	Cropmark Complex At Little Carlton	Undated	477500	357600
L8325	Linear Features And Ring Ditch At Little Carlton	Undated	477400	357400
L8326	Linear Features At South Muskham	Undated	477770	357400
L8327	Enclosures At South Muskham	Undated	477600	357100
L8328	The Mount	Undated	477900	357100
L8330	Cropmark Complex At South Muskham	Undated	477900	356600
L8331	Cropmark Complex At South Muskham	Undated	477600	356300
L8353	Cropmark Complex At South Muskham	Undated	478100	357400
L8354	Linear Features At South Muskham	Undated	478100	357100
M3248	Well Near Kelham Bridge, Kelham	Undated	477710	355580
M3301	Well At Kelham	Undated	477980	355420
L3248	Map Depiction Of Well, Kelham	Undated	477710	355580
L3249	Oval Depression At Kelham	Undated	477680	355540
L3301	Map Depiction Of Well At Kelham	Undated	477980	355420
L7838	Earthwork At Kelham	Undated	477720	355560
L11183	Fire Cracked Pebbles From Field 3400, South Muskham	Undated	478210	358100
L11184	Fire Cracked Pebbles From Field 1200, South Muskham	Undated	478210	357830
L11192	Fire Cracked Pebble From Field 0057, South Muskham	Undated	478300	356800
M2967	Settlement At South Muskham	Undated	478000	356800
M3263	Well At White Bungalow, South Muskham	Undated	478050	357540

Reference	Name	Period	Easting	Northing
L2979	Linear Features At South Muskham	Undated	478200	357300
L3263	Map Depiction Of Well, South Muskham	Undated	478050	357540
L8343	Enclosure & Pit Alignment At South Muskham	Undated	478250	358040
L8345	Cropmark Complex At South Muskham	Undated	478300	357700
L3775	Bank At Holme	Undated	480433	357591
L9733	Enclosures At South Muskham	Undated	479449	357622
L8362	Circular Enclosure At South Muskham	Undated	479357	358047
L2993	Cropmark Complex At South Muskham	Undated	479128	358065
M8363	Pit Alignment At South Muskham	Undated	479182	357914
L2994	Cropmarks At South Muskham	Undated	479282	357598
L8361	Cropmark Complex At North Muskham	Undated	479543	357791
L8367	Large Enclosure With Internal Features At South Muskham	Undated	479887	357480
L9729	Field Boundary At Newark	Undated	478509	355628
M18005	Settlement At Newark	Undated	478884	355349
L2982	Parallel Linear Features At Kelham	Undated	478188	355482
L2983	Circular Feature At Kelham	Undated	478475	355587
L2984	Circular Feature At Kelham	Undated	478688	355290
M18003	Settlement At South Muskham	Undated	479151	356955
L3165	Linear Features At South Muskham	Undated	479476	356958
L2996	Cropmark Complex At South Muskham	Undated	479054	356669
L8371	Linear Feature At South Muskham	Undated	479188	356788
L8352	Cropmark Complex At South Muskham	Undated	478544	357004
L8351	Linear Features & Pit Alignment At South Muskham	Undated	478684	357262
M18620	Church Farmhouse	Undated	479316	357274

Reference	Name	Period	Easting	Northing
M9201	Holly Cottage	Undated	478879	357087
M18622	Jasmine Cottage	Undated	479276	357285
M18678	Little Orchard	Undated	479200	357247
M18623	Broombriggs	Undated	479190	357303
M18624	Vicarage Nr St. Wilfred's Church, South Muskham	Undated	479319	357385
M18700	The Old Farm House	Undated	478943	356934
M18701	Forge Cottage	Undated	479038	357101
M18702	The Cottage And Pear Tree Cottage	Undated	479039	357030
L8343	Enclosure & Pit Alignment At South Muskham	Undated	478322	358112
L8346	Linear Features & Pit Alignment At South Muskham	Undated	478563	357807
M8347	Settlement At South Muskham	Undated	478801	357851
L8349	Parallel Linear Features At South Muskham	Undated	479037	357590
L8341	Series Of Enclosures At South Muskham	Undated	478419	358278
M8342	Settlement At South Muskham	Undated	478619	358097
L8327	Enclosures At South Muskham	Undated	477695	357070
L8323	Cropmark Complex At Little Carlton	Undated	477529	357721
L2963	Linear Features At South Muskham	Undated	477591	358053
L8328	The Mount	Undated	477908	357099
L7838	Earthwork At Kelham	Undated	477735	355523
M2967	Settlement At South Muskham	Undated	478071	356769
L2979	Linear Features At South Muskham	Undated	478175	357337
L8354	Linear Features At South Muskham	Undated	478129	357102
L8325	Linear Features And Ring Ditch At Little Carlton	Undated	477415	357434
L8345	Cropmark Complex At South Muskham	Undated	478314	357752

Reference	Name	Period	Easting	Northing
L8353	Cropmark Complex At South Muskham	Undated	478116	357425
M18688	Rose Cottage	Undated	477865	357511
M18689	Southview Farm	Undated	477840	357282
M18690	Holly Cottage	Undated	477830	357366
M18691	Corner Cottage	Undated	477884	357476
M18692	Grange Cottage	Undated	477892	357471
M18693	La Burnum	Undated	477900	357470

Table A11.1.30 Area 10 NHER Event Data

Event ID	Name	Event Types
ENT3286	Watching Brief At South Muskham By NCC	Watching Briefs
ENT140	Excavation At South Muskham By TVARC	Excavation
ENT3584	Magnetometry Survey At Burrige Farm, North Muskham, By GSB	Magnetometry Survey
ENT3766	Geophysical Survey At Burrige Farm, North Muskham, By GSB	Geophysical Survey
ENT3871	Watching Brief At Burrige Farm, South Muskham, By JSAC	Watching Brief
ENT842	Excavation At South Muskham By TVARC	Excavation
ENT843	Excavation At South Muskham By NAS	Excavation
ENT844	Features Observed In Gravel Quarry, South Muskham	Field Observations
ENT4376	A1/ A46 Lay-Bys Nottinghamshire - An Archaeological Watching Brief.	Watching Brief
ENT3493	Fieldwalking At South Muskham By TPAT	Fieldwalking
ENT479	Magnetic Susceptibility Survey At Manor House Farm, Little Carlton	Geophysical Surveying
ENT483	Watching Brief At Manor Farm, Little Carlton	Watching Brief
ENT484	Magnetometer Survey At Manor House Farm, Little Carlton	Magnetometry Survey
ENT486	Archaeological Evaluation At Manor House Farm, Little Carlton	Evaluation

A11.1.3.11.6 Area 10: Plates

324 There are no Plates for Area 10.

A11.1.3.12 MAP REGRESSION

325 As established through the analysis of the NHER data, since at least the medieval period the landscape throughout the majority of the Order Limits has been utilised as agricultural land for the nearby rural settlements that are scattered throughout the Study Area. Since the enclosure of the landscape in the Post-medieval period, isolated rural farmsteads and their associated farmland have encompassed the majority of the Order Limits. This pattern of utilisation can be seen reflected through earlier historic mapping such as both Chapman's 1774 Map of Nottinghamshire and Sanderson's 1835 Map of Nottinghamshire and Derbyshire (not reproduced). Analysis of this earlier 19th-century mapping and Ordnance Survey mapping from the later 19th century indicates little change within this rural landscape despite the influence of the Industrial Revolution. As can be seen in **Figure A11.1.9** the vast majority of the Order Limits lies within open agricultural land which is likely to not have been previously developed.

326 There are areas within the Order Limits which have been subject to some level of development, such as in the north where the post-medieval Ossington Hall and Park extended into the Order Limits (**Figure A11.1.10**). This was a designed landscape garden, the areas which encompass the Order Limits were open pastures with designed footpaths and scattered trees planted throughout. The areas within the Order Limits were maintained until the early 20th century when as a result of the construction of RAF Ossington they were redeveloped into the airfield, after the airfield had been decommissioned in the 1950s it was returned to agricultural land as can be seen today.

327 A further post-medieval designed landscape in the north-east of the Order Limits can be seen near Carlton-on-Trent, where the gardens of Carlton Hall extend into the east of the Order Limits (**Figure A11.1.10**). Similar to Ossington Hall, the areas of the park that fall within the Order Limits area are characterised as open pasture with designed footpaths and scattered trees planted throughout.

328 Into the 20th century, RAF Ossington was established within the north-west extent of the Order Limits as a Second World War airbase. The airbase was constructed between 1941 and 1942 in the typical form of an A-shaped bomber airfield with 3 hard runways. Whilst activity at the airfield decreased following the end of WWII it was still in use until 1959, areas of hardstanding can still be seen within the landscape, however, much of the runways and above-ground structures were demolished or repurposed following the closure of the airfield. The remaining extent of the disused airfield that can still be seen within the Order Limits can be seen depicted on the 1960 OS mapping (**Figure A11.1.11**).

329 The 1960 OS Mapping also highlights the unchanged nature of the Order Limits into the 20th century, with the landscape still defined by open agricultural fields. The most significant difference between the 19th century and the 20th century is the removal of internal field boundaries (**Figure A11.1.12**).

A11.1.4 POTENTIAL IMPACTS AND ARCHAEOLOGICAL SIGNIFICANCE

A11.1.4.1 POTENTIAL IMPACTS

- 330 Impacts on archaeological remains may occur during construction, operation or decommissioning of the Development. The majority of impacts are expected to occur during construction the sources of the impacts are discussed below.
- 331 There is not anticipated to be any additional land-take during the operational phase as the Development will have been constructed and will be operational. However, as a worst-case scenario, it is possible that mid-life maintenance and replacement of infrastructure may be required on an ad hoc basis during the operational phase of the Development which may result in impacts on archaeological remains.
- 332 At the end of the 40-year operational phase for the Development, the solar PV modules and associated infrastructure will be removed to decommission the Development. Whilst the methodology for decommissioning is not set out in detail, the process for removing the built form of the Development is not expected to require any additional land-take beyond that of the construction period. There would therefore be no additional impacts to buried archaeological remains outside of those areas required for construction and operation.
- 333 The methods of construction of the Development will entail the following sources of ground disturbance and excavations:
- Solar PV modules - The Solar PV modules are installed on metal framework with piled foundations to a depth of 0.5 m to 2 m. The driven piles will damage/disturb any archaeological remains that are present within their footprint (although below-ground volume affected by the mounting poles is less than 1%). Activities associated with the installation of the piles such as movement of construction vehicles also have the potential to affect any buried archaeological remains in areas of wet or saturated ground.
 - Cables – Figure 5.1 of the ES [EN010162/APP/6.3.5.1] shows that the area identified for cables has a width of typically 60 m. Approximately 30 m is required for the cable trench and working area (12m trench and 9m either side working area) the additional 30 m allows flexibility to avoid buried archaeological remains through design alteration. Construction activities which will require below ground works within the cable corridor will comprise site preparation, a cable trench, other buried equipment associated with the cables, access tracks, planting and vegetation management, and enabling works including construction compounds.
 - Mitigation/Enhancement - Areas within the Order Limits are proposed for mitigation and enhancement measures. Proposals for mitigation and enhancement are set out in Masterplan, shown on Figure 5.2 of the ES [EN010162/APP/6.3.5.2], Operations, which may involve below ground activities, during the construction phase for the mitigation and

enhancement may include, site preparation and clearance access tracks, the installation of fencing, SUDS, planting and vegetation management, paths, signage and information boards and enabling works including construction compounds. In the areas characterised as mitigation/enhancement, the nature of the works is expected to be relatively localised and the depth of below ground works required in these areas is considered to be varied and for the most part negligible.

- Intermediate Substations – Up to four intermediate Substations will be required within the Order Limits. The areas presented are also larger than the areas that will be required to allow for some flexibility in design. Below-ground activities associated with the intermediate substations that have the potential to affect buried archaeological remains include site preparation, underground cabling, foundations for control rooms, indoor and outdoor switchgear equipment, access tracks and parking, enabling works, SUDS and planting/vegetation management.
- BESS/400 kV compound - Buried archaeological assets may be subject to adverse effects during the construction phase through the following activities associated with the construction of the BESS: site preparation, underground cabling, indoor and outdoor switchgear equipment, foundations for the compound and battery storage.
- National Grid Staythorpe Substation Connection and Consented Staythorpe BESS Connection – These works will connect the Development to the existing infrastructure. Modifications will be required at the existing National Grid Substation at Staythorpe and the adjacent Staythorpe BESS (consented but not yet built at the time of writing). The below ground works associated with these modifications that could affect below ground archaeological remains would comprise site preparation and underground cabling.
- Access Works - Access Works associated with the Development are focussed around existing roads but may involve some below ground activities in areas outside of the existing roads. Below ground effects may occur for activities such as site preparation, road widening, creation of passing places, accesses from existing highways and planting/vegetation management.

334 The aforementioned works have the potential to result in the damage to or loss of any buried archaeological features which may be present within their footprint. Any adverse impact to buried archaeological features would be permanent and irreversible in nature.

335 This physical loss would result in harm to the significance of such remains, without mitigation or offsetting. This potential adverse effect could be reduced through the implementation of an appropriate scheme of archaeological mitigation.

336 The most extensive element of the Development proposals in terms of area covered are the Solar PV Modules which account for 1025 ha or approximately 58% of the land within the Order Limits. However, a low

proportion of below-ground volume will be affected by the mounting poles (less than 1% of the area occupied by the panels). The installation of cabling and the excavations of foundations for substations and the BESS area would have a more concentrated impact on a smaller proportion of the land to be developed where these elements occupy approximately 135 ha or roughly 7.6% of the Order Limits.

- 337 Topsoil removal and levelling works for the establishment of site compounds, facilities and car parks would also risk exposure and damage to any buried archaeological remains present within the affected areas.
- 338 These activities have the potential to lead to a physical impact on any buried archaeological remains which would lead to a loss, up to and including a total loss, of their archaeological interest and thus their significance.

A11.1.4.2 CONDITIONS FOR SURVIVAL

- 339 Much of the Order Limits is undeveloped farmland and therefore any existing disturbance to buried archaeological remains that may be present would be largely restricted to truncation caused by ploughing.
- 340 Impacts which are likely to have compromised the preservation of any archaeological remains (if present) include: the installation of the pylons for overhead lines, the installation of utility cabling and pipework, erection of agricultural buildings and trackways.
- 341 Despite the possibility of modern cultivation and minor modern intrusions, the presence of some visible earthworks and those archaeological anomalies identified through the geophysical surveying within the Study Area indicates that conditions for survival of buried remains within the Development area should be favourable. This has been corroborated by the results of the preliminary programme of trial trenching that was undertaken across 5 areas of the Order Limits; Maplebeck, North Muskham, Cromwell North and Central, and Castle Hill. The programme revealed a moderate density of archaeological remains, alongside clusters of archaeological activity of prehistoric and uncertain date. It was noted that those areas which were situated closer to the banks of the River Trent had a lower level of artefactual evidence which is likely a result of the land being used as peripheral land and water management areas as opposed to areas of domestic or operational use³⁷.

A11.1.4.3 ARCHAEOLOGICAL INTEREST AND SIGNIFICANCE

- 342 The archaeological interest of any buried archaeological remains within the Order Limits is derived from the information they may yield about past human activity. The degree to which this information can contribute to local, regional, national and international research determines the heritage significance of the remains.
- 343 Based upon a review of the available information, parts of the Order Limits are situated in areas of archaeological interest. This interest is primarily

³⁷ *Interim Report for Archaeological Evaluation by York Archaeology, Great North Road Solar Park.*
PIER Chapter 11, Appendix 4.

derived from the potential for evidence of past human activity during the Neolithic, Romano-British, medieval and post-medieval periods.

- 344 The eastern section of the Order Limits is positioned along the River Trent, where evidence of early prehistoric activity is sparse and restricted to dispersed lithic scatters largely around the settlements of South and North Muskham. Evidence of this kind is likely only to be able to inform local research objectives and could be characterised as of low significance.
- 345 The most substantial evidence for early occupation dates from the Neolithic to Romano-British periods. Numerous lithic and pottery finds alongside funerary features from the Neolithic and Bronze Age are scattered across the east of the Study Area along the banks of the River Trent. The most significant of these features being the possible Neolithic henge at South Muskham and a possible Bronze Age barrow cemetery both of which were identified via aerial photography. At Cromwell a Bronze Age round barrow was identified and excavated in the 1950s. Monuments of this kind, if they survive well, have the potential to contribute to regional and national research and could be characterised as of medium or high significance.
- 346 Substantial cropmarks have been identified in and around the settlements of Little Carlton and South Muskham, which could indicate the presence of Iron Age settlements. These cropmarks include features such as enclosures of various forms with internal features, and with possible pit alignment, as well as a possible double-ring ditch. These possible Iron Age settlements are situated within an already existing prehistoric landscape, and Iron Age pottery sherds have been uncovered within and around the areas of interest. The extensive and apparently well-preserved pattern of late prehistoric settlement has potential to inform research at local, regional and national level into the development of Iron Age society and, possibly, the degree to which it continued into the Roman period. Remains of this kind could be characterised, depending on the degree of coherence and level of survival, as of low, medium or high significance.
- 347 The Romano-British archaeological record within the Order Limits, largely consists of pottery finds and crop marks indicating possible Roman settlement activity. One of these groups of features has been identified north-west of Little Carlton as a series of angular features and pit alignments with smaller rectangular enclosures. A complex of contiguous enclosures have been identified from aerial photography as a possible Romano-British settlement, located to the west of South Muskham. Further north, within the settlement of Cromwell aerial photography has also identified cropmarks of a rectangular enclosure, possibly a Roman villa, which extends within the Order Limits. The Great North Road follows sections of the Roman Road of Ermine Street which connected London to Lincoln and York. These remains have the potential to inform research at local, regional and national level into subjects such as continuity and change between the Late Iron Age and Roman periods, the extent and nature of Romanisation and the nature of the Roman rural economy. Remains of this kind could be characterised, depending on the degree of coherence and level of survival, as of low, medium or high significance.
- 348 Settlement in the Study Area increased during the medieval period with many of the current villages tracing their origins to this period which includes

several moated sites in the west of the Study Area, which are now scheduled monuments. A number of parish churches in the Study Area also date to the medieval period. There is also evidence within the Order Limits in the form of high levels of medieval pottery, largely identified during field walking, which probably reflect manuring of agricultural land. Aerial photography, geophysical survey and trial trenching have all revealed extensive survival of ridge and furrow cultivation which probably dates to the medieval period. Evidence of this nature can contribute to understanding of the medieval agricultural landscape at a local level and could be characterised as of low significance.

- 349 The character of the Study Area remains relatively unchanged into the post-medieval period with the primary activities undertaken agricultural in nature. The most noticeable change was the establishment of regular fields through the enclosure process and the expansion of the settlement centres with many buildings in the historic cores tracing their origins to this period.
- 350 Most significantly the Study Area lay within an important landscape relating to the 17th century English Civil War, with the main quarters of the Scots army lying within the Order Limits between the Kelham and Muskham bridges. A number of scheduled monuments and non-designated earthworks relating to civil war defences and siege works around Newark are recorded to the south-east of the Order Limits. As well as the military encampment, gunflints have also been identified in and around South Muskham and Kelham. The Civil War siegeworks and defences represent a uniquely well preserved example of early modern conflict archaeology unparalleled nationally – which is reflected in the level of protection afforded to the remains. The remains have been and continue to be the subject of study at a national and trans-national level. Remains of this kind could be characterised, as of high or very high significance.
- 351 Further substantial changes during the period include the establishment of Averham Park, in the south-west of the Study Area which was an 18th century Hunting Park associated with the Grade II* listed hunting lodge. Ossington Hall and Park, in the north of the Order Limits was an 18th century Hall and associated landscaped gardens, although the buildings have largely been demolished the landscape remains largely intact. Remains of this nature have potential to contribute to research at local, regional and national level into the changes in rural economy and elite display in the period between the 16th and nineteenth centuries. Remains of this kind could be characterised, depending on the degree of coherence and level of survival, as of low, medium or high significance.
- 352 There are also connections to some of the most significant events of the early to mid-20th century as evidenced by the presence of war memorials in many of the settlements and a former Second World War airfield located within the north-west of the Order Limits. However, as the majority of the airfield has been removed and none of the runways are present the potential for further below-ground archaeology is limited (although the battle headquarters may survive). Where present the lack of coherence and poor survival would limit the research potential to local interest. Remains of this kind could be characterised as of low significance.

A11.1.5 CONCLUSION

- 353 This assessment has established that there is an archaeological interest within the Order Limits. This interest relates to a potential, not untypical of Lowland England, for earlier prehistoric remains associated with activity of mobile populations and the transition to sedentary settlement practices, Iron Age to Romano-British occupation activity and medieval and post-medieval agricultural remains. There is little or no evidence for remains of Neolithic or Bronze Age settlements or for the Anglo-Saxon period
- 354 Buried archaeological remains within the Order Limits have not generally been affected by major developments. This would imply an increased likelihood of any buried archaeological remains being well-preserved, however results from trial trenching suggest that in some areas truncation of remains has resulted from extensive use of deep ploughing. The highest potential is for possible archaeological remains from the Neolithic, Bronze Age, Iron Age, the Romano British and the medieval periods. Such remains could be up to high heritage significance, depending on a number of factors including their preservation. There is also a potential for remains from the post-medieval period and later which are likely to be agricultural in nature alongside those associated with a Second World War airfield.
- 355 The need for, scale, scope, and nature of any further assessment and/or archaeological works following grant of the DCO would be approved following consultation with the Local Planning Authority (LPA). An Outline Archaeological Mitigation Strategy (AMS) (TA A11.8 [EN010162/APP/6.4.11.8]) which sets out the proposed approach to further evaluation and subsequent mitigation has been submitted with the DCO.

A11.1.6 REFERENCES

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<http://www.legislation.gov.uk/ukpga/1983/47/contents>
- *Planning (Listed Buildings and Conservation Areas) Act 1990*.
<https://www.legislation.gov.uk/ukpga/1990/9/contents>
- *Protection of Military Remains Act 1986*.
<https://www.legislation.gov.uk/ukpga/1986/35/contents>
- Smith, DM. 1965. *The Industrial Archaeology of the East Midlands*. David & Charles: Exeter.
- *Town and Country Planning Act 1990*.
<https://www.legislation.gov.uk/ukpga/1990/8/contents>.
- *UNESCO Convention Concerning the Protection of the World Cultural and National Heritage 1972*. <https://whc.unesco.org/en/conventiontext/>

- Wessex Archaeology, 2023. *Land to the west of A1, North of Staythorpe, Nottinghamshire: Detailed Gradiometer Survey Report*. Unpublished document ref: 268310.01

A11.1.6.2 HISTORIC ENVIRONMENT RECORDS

- Nottinghamshire Historic Environment Record (NHER)

A11.1.6.3 CARTOGRAPHIC AND DOCUMENTARY SOURCES

- Chapman's 1774 Map of Nottinghamshire (not reproduced)
- Sanderson's 1885 Map of Nottinghamshire and Derbyshire (not reproduced)
- 1888 – 1913 Edition Ordnance Survey 25-inch map (1:2,500)
- 1955 – 1961 Edition Ordnance Survey map (1:1,250)

A11.1.6.4 ONLINE RESOURCES

- <https://www.bgs.ac.uk/map-viewers/bgs-geology-viewer/> – BGS Geology Viewer
- <http://www.domesdaymap.co.uk> – Domesday survey information
- <https://opendomesday.org/> – Domesday survey information
- <http://www.historicengland.org.uk/listing/the-list> – information on designated assets
- <http://www.nationalarchives.gov.uk> – documentary resources
- <http://www.british-history.ac.uk> – documentary resources
- <http://oasis.ac.uk/england> – data on sites, find-spots and excavations
- <http://www.pastscape.org.uk> – data on sites, find-spots and excavations
- <http://archaeologydataservice.ac.uk/archives/view/romangl/map.html> – The Rural Settlement of Roman Britain
- <https://researchframeworks.org/emherf/> - East Midlands Research Framework

APPENDICES

A11.1.6.5 APPENDIX 1: TERMINOLOGY

A11.1.6.5.1 Glossary

³⁵⁶ The terminology used in this assessment follows definitions contained within Annex 2 of NPPF as shown in Table A11.1.31.

Table A11.1.31 Glossary

Term	Definition
Archaeological Interest	There will be archaeological interest in a heritage asset if it holds, or potentially holds, evidence of past human activity worthy of expert investigation at some point.
Conservation (for heritage policy)	The process of maintaining and managing change to a heritage asset in a way that sustains and, where appropriate, enhances its significance.
Designated Heritage Asset	A World Heritage Site, Scheduled Monument, Listed Building, Protected Wreck Site, Registered Park and Garden, Registered Battlefield or Conservation Area designated under the relevant legislation.
Heritage Asset	A building, monument, site, place, area or landscape identified as having a degree of significance meriting consideration in planning decisions, because of its heritage interest. It includes designated heritage assets and assets identified by the local planning authority (including local listing).
Historic Environment	All aspects of the environment resulting from the interaction between people and places through time, including all surviving physical remains of past human activity, whether visible, buried or submerged, and landscaped and planted or managed flora.
Historic Environment Record	Information services that seek to provide access to comprehensive and dynamic resources relating to the historic environment of a defined geographic area for public benefit and use.
Setting of a Heritage Asset	The surroundings in which a heritage asset is experienced. Its extent is not fixed and may change as the asset and its surroundings evolve. Elements of a setting may make a positive or negative contribution to the significance of an asset, may affect the ability to appreciate that significance or may be neutral.
Significance (for heritage policy)	The value of a heritage asset to this and future generations because of its heritage interest. The interest may be archaeological, architectural, artistic or historic. Significance derives not only from a heritage asset's physical presence, but also from its

	setting. For World Heritage Sites, the cultural value described within each site's Statement of Outstanding Universal Value forms part of its significance.
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A11.1.6.5.2 Chronology

³⁵⁷ Where referred to in the text, the main archaeological periods are broadly defined by the date ranges shown in Table A11.1.32.

Table A11.1.32 Chronology

Prehistoric		Historic	
Palaeolithic	970,000-10,000 BC	Romano-British	43-410 AD
Mesolithic	10,000-4,000 BC	Saxon	410-1066 AD
Neolithic	4,000-2,400 BC	Medieval	1066-1500 AD
Bronze Age	2,400-700 BC	Post-medieval	1500-1800 AD
Iron Age	700 BC- 43AD	19 th century	1800-1900 AD
		Modern	1900-present day

A11.1.6.6 APPENDIX 2: PLANNING AND LEGISLATIVE FRAMEWORK

Designation	Associated Legislation	Overview
World Heritage Sites	-	The United Nations Educational, Scientific and Cultural Organisation (UNESCO) World Heritage Committee inscribes World Heritage Sites for their Outstanding Universal Value (OUV) – cultural and/or natural significance which is so exceptional as to transcend national boundaries and to be of common importance for present and future generations of all humanity. England protects its World Heritage Sites and their settings, including any buffer zones or equivalent, through the statutory designation process and through the planning system. The National Planning Policy Framework sets out detailed policies for the conservation and enhancement of the historic environment, including World Heritage Sites, through both plan-making and decision-taking.
Scheduled Monuments and Areas of Archaeological Importance	Ancient Monuments and Archaeological Areas Act 1979	Under the Ancient Monuments and Archaeological Areas Act 1979, the Secretary of State (DCMS) can schedule any site which appears to be of national importance because of its historic, architectural, traditional, artistic or archaeological interest. The historic town centres of Canterbury, Chester, Exeter, Hereford and York have been designated as Archaeological Areas of Importance under Part II of the Ancient Monuments and Archaeological Areas Act 1979. Additional controls are placed upon works affecting Scheduled Monuments and Areas of Archaeological Importance under the Act. The consent of the Secretary of State (DCMS), as advised by Historic England, is required for certain works affecting Scheduled Monuments.
Listed Buildings	Planning (Listed Buildings and Conservation Areas) Act 1990	In England, under Section 1 of the Planning (Listed Buildings and Conservation Areas) Act 1990, the Secretary of State is required to compile lists of buildings of special architectural or historic interest, on advice from English Heritage/Historic England. Works affecting Listed Buildings are subject to additional planning controls administered by Local Planning Authorities. Historic England is a statutory consultee in certain works

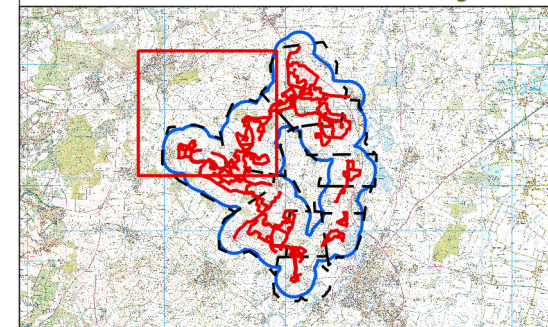
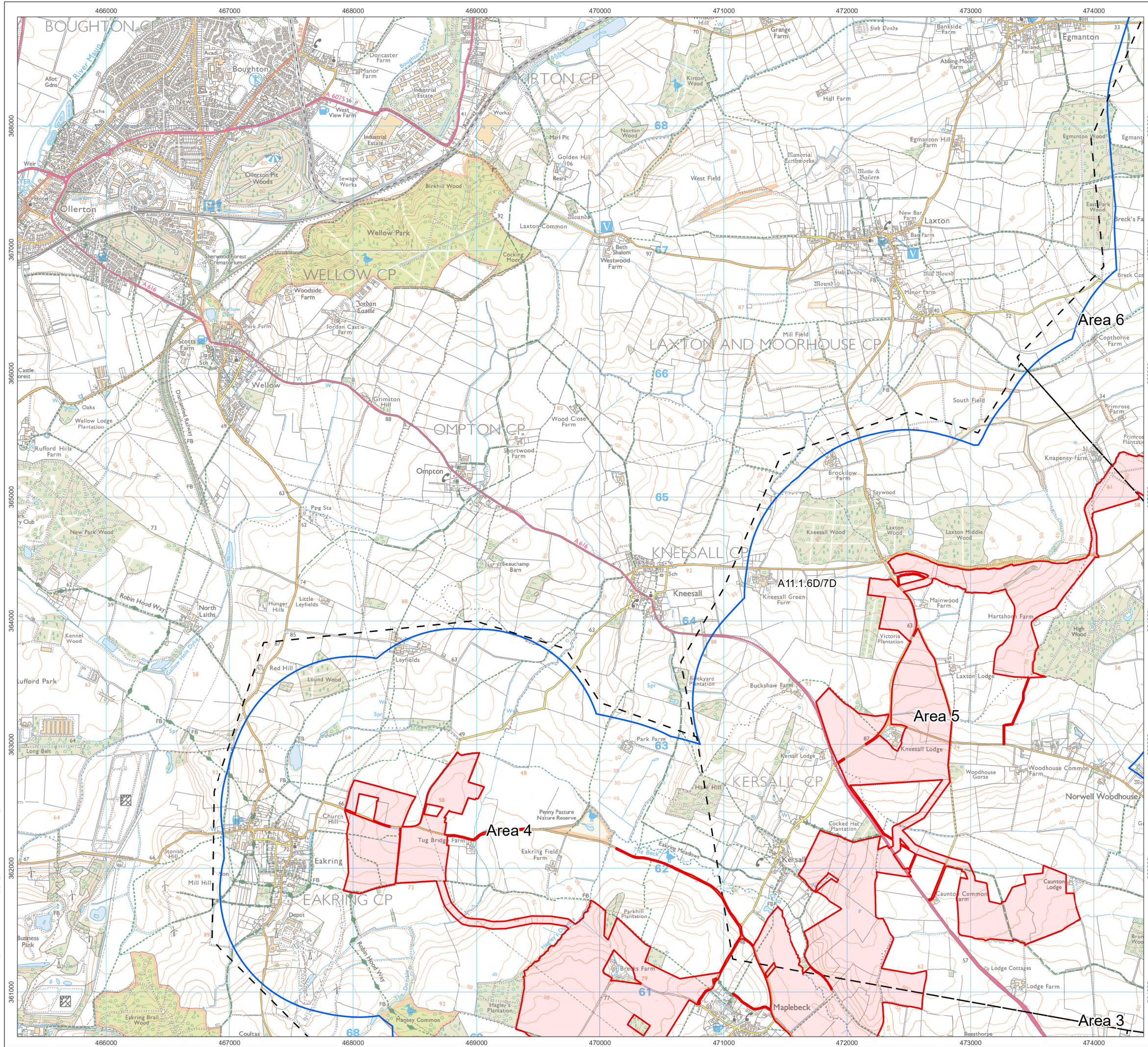
Designation	Associated Legislation	Overview
		affecting Listed Buildings. Under certain circumstances, Listed Building Consent is required for works affecting Listed Buildings.
Conservation Areas	Planning (Listed Buildings and Conservation Areas) Act 1990	A Conservation Area is an area which has been designated because of its special architectural or historic interest, the character or appearance of which it is desirable to preserve or enhance. In most cases, Conservation Areas are designated by Local Planning Authorities. Section 72 (1) of the Planning (Listed Buildings and Conservation Areas) Act 1990 requires authorities to have regard to the fact that there is a Conservation Area when exercising any of their functions under the Planning Acts and to pay special attention to the desirability of preserving or enhancing the character or appearance of Conservation Areas. Although a locally administered designation, Conservation Areas may nevertheless be of national importance and significant developments within a Conservation Area are referred to Historic England.
Registered Parks and Gardens and Registered Battlefields	Historic Buildings and Ancient Monuments Act 1953 National Heritage Act 1983	The Register of Parks and Gardens was established under the National Heritage Act 1983. The Battlefields Register was established in 1995. Both Registers are administered by Historic England. These designations are non-statutory but are, nevertheless, material considerations in the planning process. Historic England and The Garden's Trust (formerly known as The Garden History Society) are statutory consultees in works affecting Registered Parks and Gardens
Protected Wreck Sites	Protection of Wrecks Act 1973	The Protection of Wrecks Act 1973 allows the Secretary of State to designate a restricted area around a wreck to prevent uncontrolled interference. These statutorily protected areas are likely to contain the remains of a vessel, or its contents, which are of historical, artistic or archaeological importance.

A11.1.6.6.1 National Planning Policy Framework (NPPF) 2024

NPPF Section 16: Conserving and Enhancing the Historic Environment	
Para. 207	In determining applications, local planning authorities should require an applicant to describe the significance of any heritage assets affected, including any contribution made by their setting. The level of detail should be proportionate to the assets' importance and no more than is sufficient to understand the potential impact of the proposal on their significance. As a minimum the relevant historic environment record should have been consulted and the heritage assets assessed using appropriate expertise where necessary. Where a site on which development is proposed includes, or has the potential to include, heritage assets with archaeological interest, local planning authorities should require developers to submit an appropriate desk-based assessment and, where necessary, a field evaluation.
Para. 208	Local planning authorities should identify and assess the particular significance of any heritage asset that may be affected by a proposal (including by development affecting the setting of a heritage asset) taking account of the available evidence and any necessary expertise. They should take this into account when considering the impact of a proposal on a heritage asset, to avoid or minimise any conflict between the heritage asset's conservation and any aspect of the proposal.
Para. 209	Where there is evidence of deliberate neglect of, or damage to, a heritage asset, the deteriorated state of the heritage asset should not be taken into account in any decision.
Para. 210	In determining applications, local planning authorities should take account of: a) the desirability of sustaining and enhancing the significance of heritage assets and putting them to viable uses consistent with their conservation; b) the positive contribution that conservation of heritage assets can make to sustainable communities including their economic vitality; and c) the desirability of new development making a positive contribution to local character and distinctiveness.
Para. 212	When considering the impact of a proposed development on the significance of a designated heritage asset, great weight should be given to the asset's conservation (and the more important the asset, the greater the weight should be). This is irrespective of whether any potential harm amounts to substantial harm, total loss or less than substantial harm to its significance.

NPPF Section 16: Conserving and Enhancing the Historic Environment	
Para. 213	<p>Any harm to, or loss of, the significance of a designated heritage asset (from its alteration or destruction, or from development within its setting), should require clear and convincing justification. Substantial harm to or loss of:</p> <p>a) grade II listed buildings, or grade II registered parks or gardens, should be exceptional;</p> <p>b) assets of the highest significance, notably scheduled monuments, protected wreck sites, registered battlefields, grade I and II* listed buildings, grade I and II* registered parks and gardens, and World Heritage Sites, should be wholly exceptional⁷⁵.</p> <p>⁷⁵ Non-designated heritage assets of archaeological interest, which are demonstrably of equivalent significance to scheduled monuments, should be considered subject to the policies for designated heritage assets.</p>
Para. 214	<p>Where a proposed development will lead to substantial harm to (or total loss of significance of) a designated heritage asset, local planning authorities should refuse consent, unless it can be demonstrated that the substantial harm or total loss is necessary to achieve substantial public benefits that outweigh that harm or loss, or all of the following apply:</p> <p>a) the nature of the heritage asset prevents all reasonable uses of the site; and</p> <p>b) no viable use of the heritage asset itself can be found in the medium term through appropriate marketing that will enable its conservation; and</p> <p>c) conservation by grant-funding or some form of not for profit, charitable or public ownership is demonstrably not possible; and</p> <p>d) the harm or loss is outweighed by the benefit of bringing the site back into use.</p>
Para. 215	<p>Where a development proposal will lead to less than substantial harm to the significance of a designated heritage asset, this harm should be weighed against the public benefits of the proposal including, where appropriate, securing its optimum viable use.</p>
Para. 216	<p>The effect of an application on the significance of a non-designated heritage asset should be taken into account in determining the application. In weighing applications that directly or indirectly affect non-designated heritage assets, a balanced judgement will be required having regard to the scale of any harm or loss and the significance of the heritage asset.</p>
Para. 218	<p>Local planning authorities should require developers to record and advance understanding of the significance of any heritage assets to be lost (wholly or in part) in a manner proportionate to their importance and the impact, and to make</p>

NPPF Section 16: Conserving and Enhancing the Historic Environment	
	<p>this evidence (and any archive generated) publicly accessible⁷⁶. However, the ability to record evidence of our past should not be a factor in deciding whether such loss should be permitted.</p> <p>⁷⁶Copies of evidence should be deposited with the relevant historic environment record, and any archives with a local museum or other public depository.</p>
Para. 219	Local planning authorities should look for opportunities for new development within Conservation Areas and World Heritage Sites, and within the setting of heritage assets, to enhance or better reveal their significance. Proposals that preserve those elements of the setting that make a positive contribution to the asset (or which better reveal its significance) should be treated favourably.
Para. 220	Not all elements of a Conservation Area or World Heritage Site will necessarily contribute to its significance. Loss of a building (or other element) which makes a positive contribution to the significance of the Conservation Area or World Heritage Site should be treated either as substantial harm under paragraph 207 or less than substantial harm under paragraph 208, as appropriate, taking into account the relative significance of the element affected and its contribution to the significance of the Conservation Area or World Heritage Site as a whole.
Para. 221	Local planning authorities should assess whether the benefits of a proposal for enabling development, which would otherwise conflict with planning policies but which would secure the future conservation of a heritage asset, outweigh the disbenefits of departing from those policies.



- Order Limits
- 1 km Study Area
- Report Boundaries

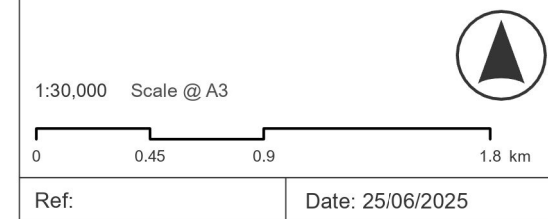
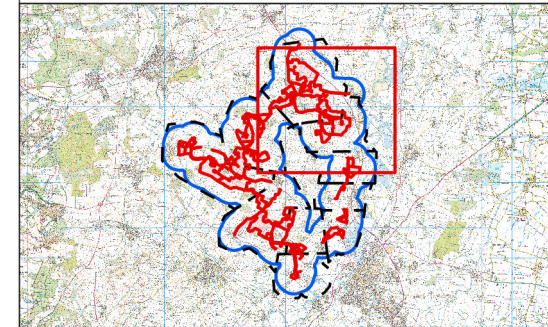
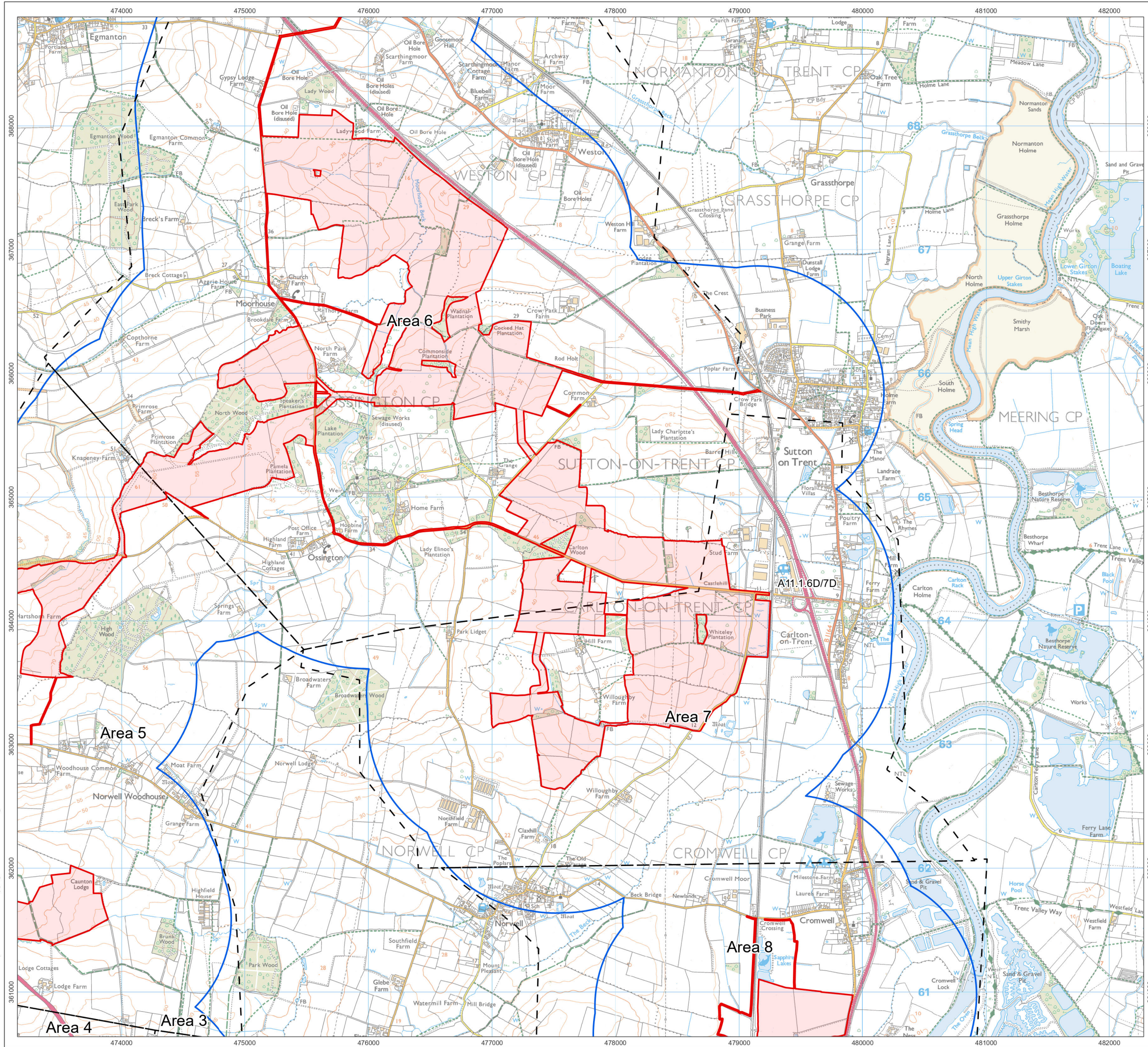





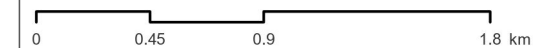
Figure A11.1.1a: Site, Study Area and Report Areas

Great North Road Solar and Biodiversity Park Environmental Statement



-  Order Limits
-  1 km Study Area
-  Report Boundaries

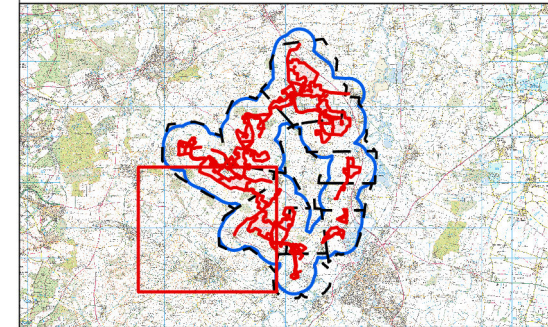
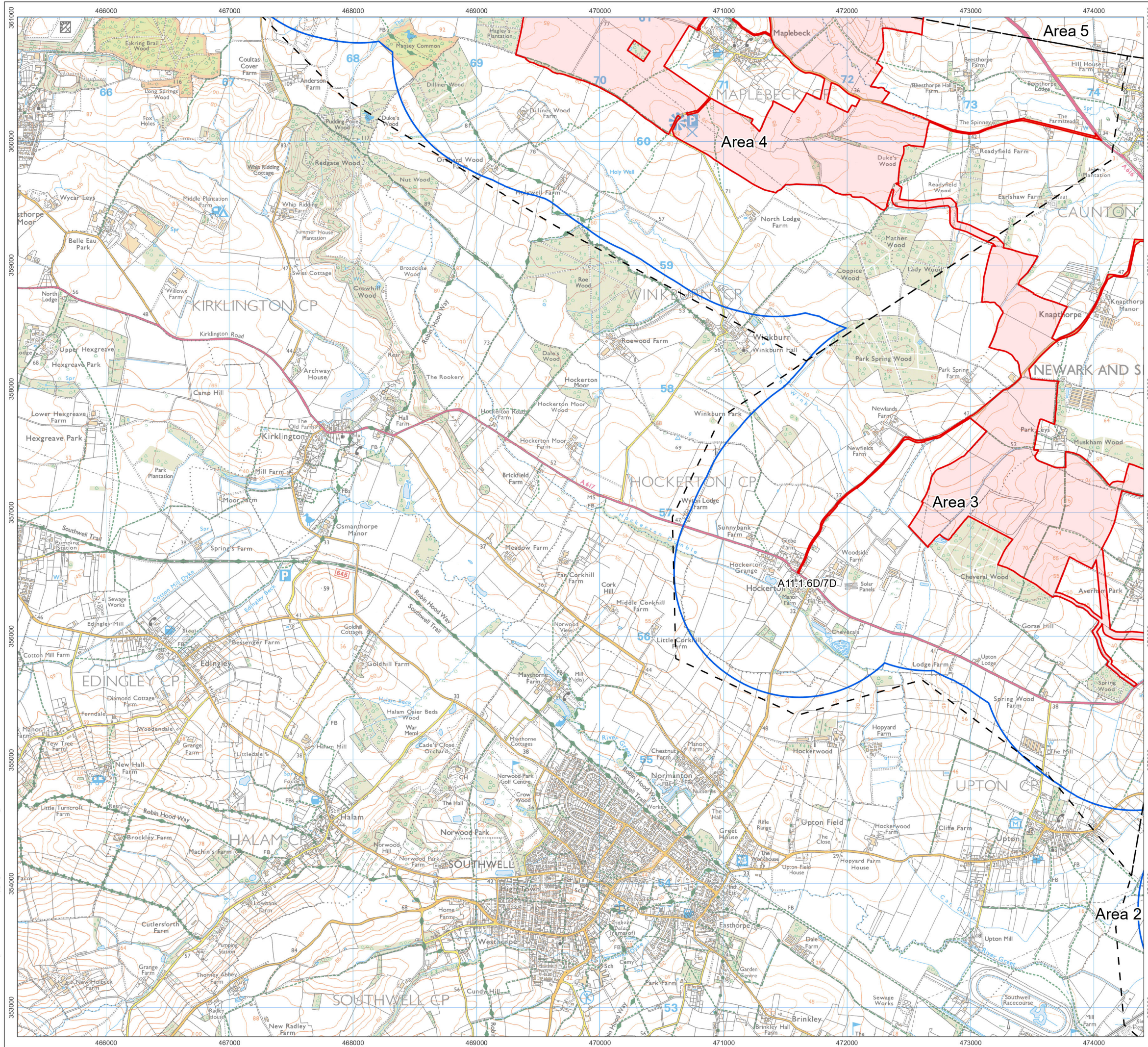
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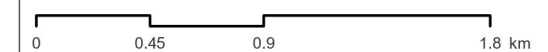
Figure A11.1.1b: Site, Study Area and Report Areas

Great North Road Solar and Biodiversity Park Environmental Statement



- Order Limits
- 1 km Study Area
- Report Boundaries

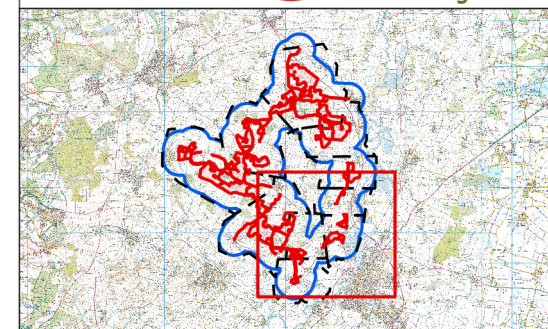
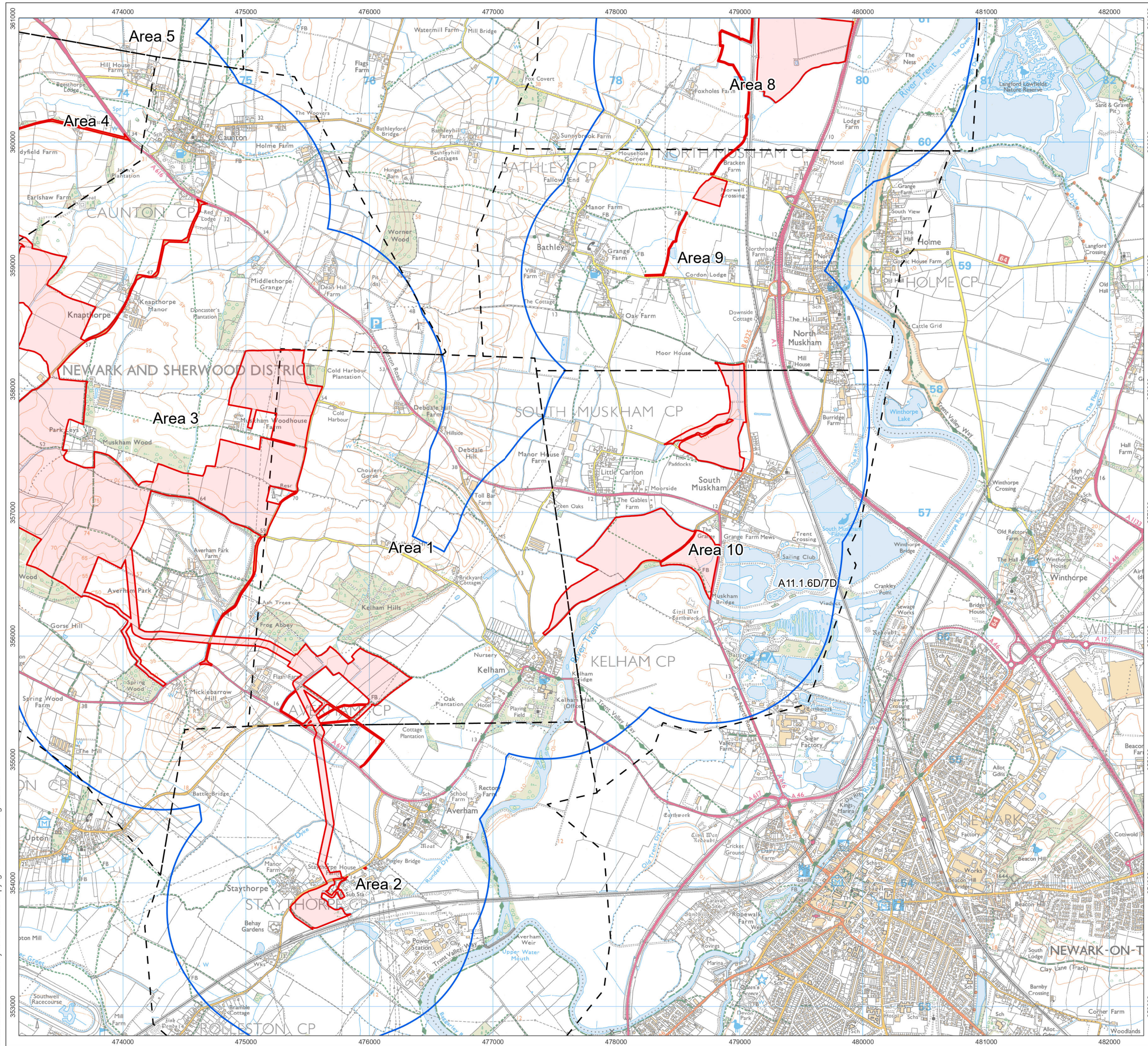
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



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Figure A11.1.1c: Site, Study Area and Report Areas

Great North Road Solar and Biodiversity Park Environmental Statement



-  Order Limits
-  1 km Study Area
-  Report Boundaries

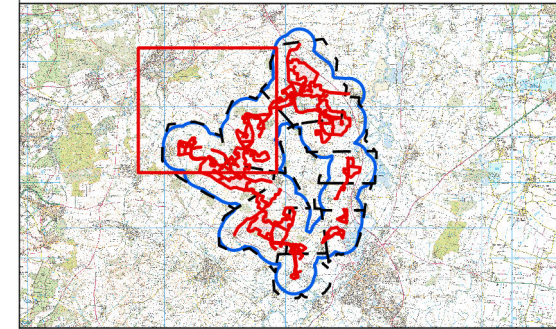
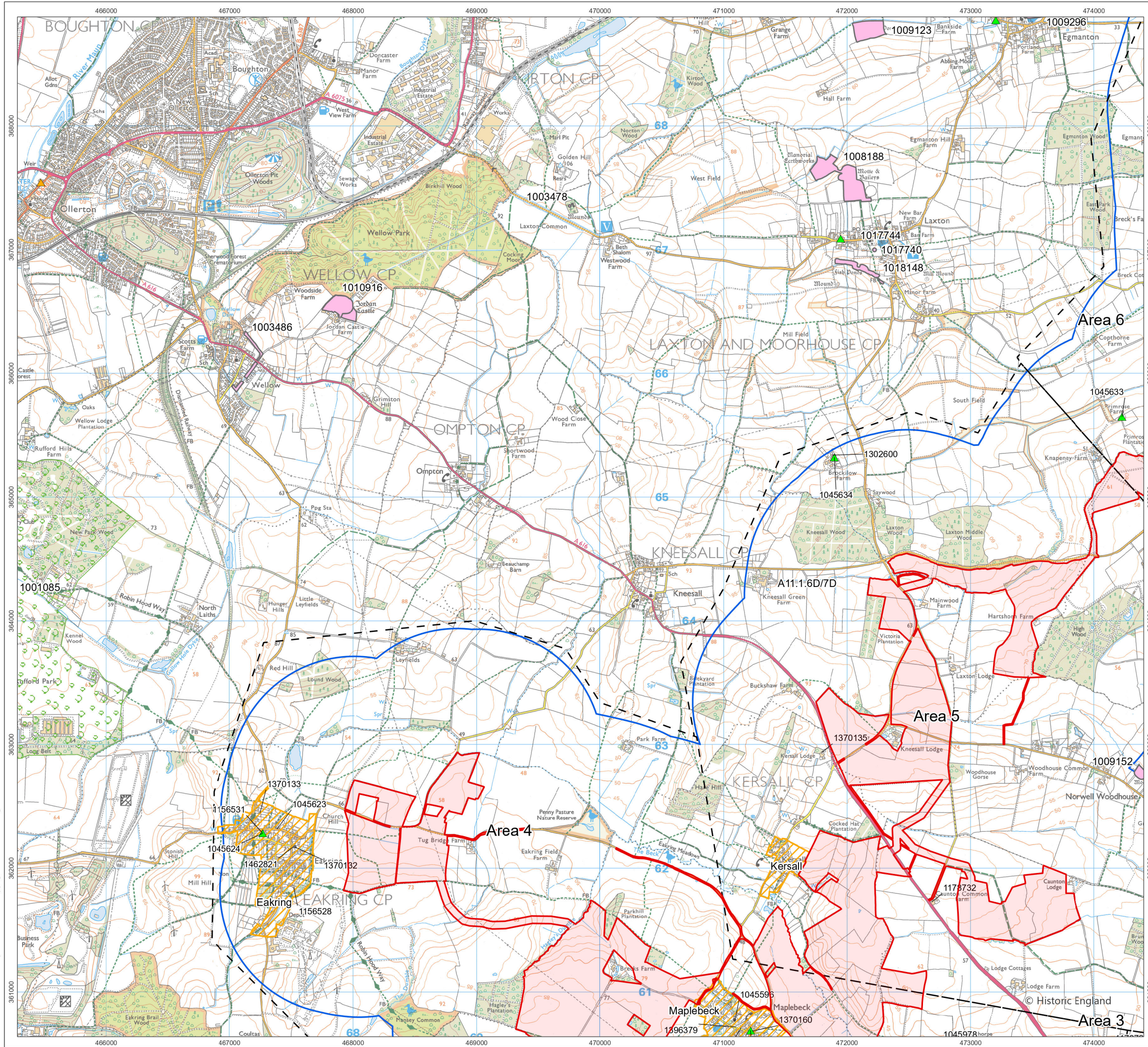
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Figure A11.1.1d: Site, Study Area and Report Areas

Great North Road Solar and Biodiversity Park Environmental Statement



- Order Limits
- 1 km Study Area
- Report Boundaries
- Scheduled Monuments
- Conservation Areas
- Grade II Park and Garden
- Grade II Listed Buildings
- Grade II* Listed Buildings

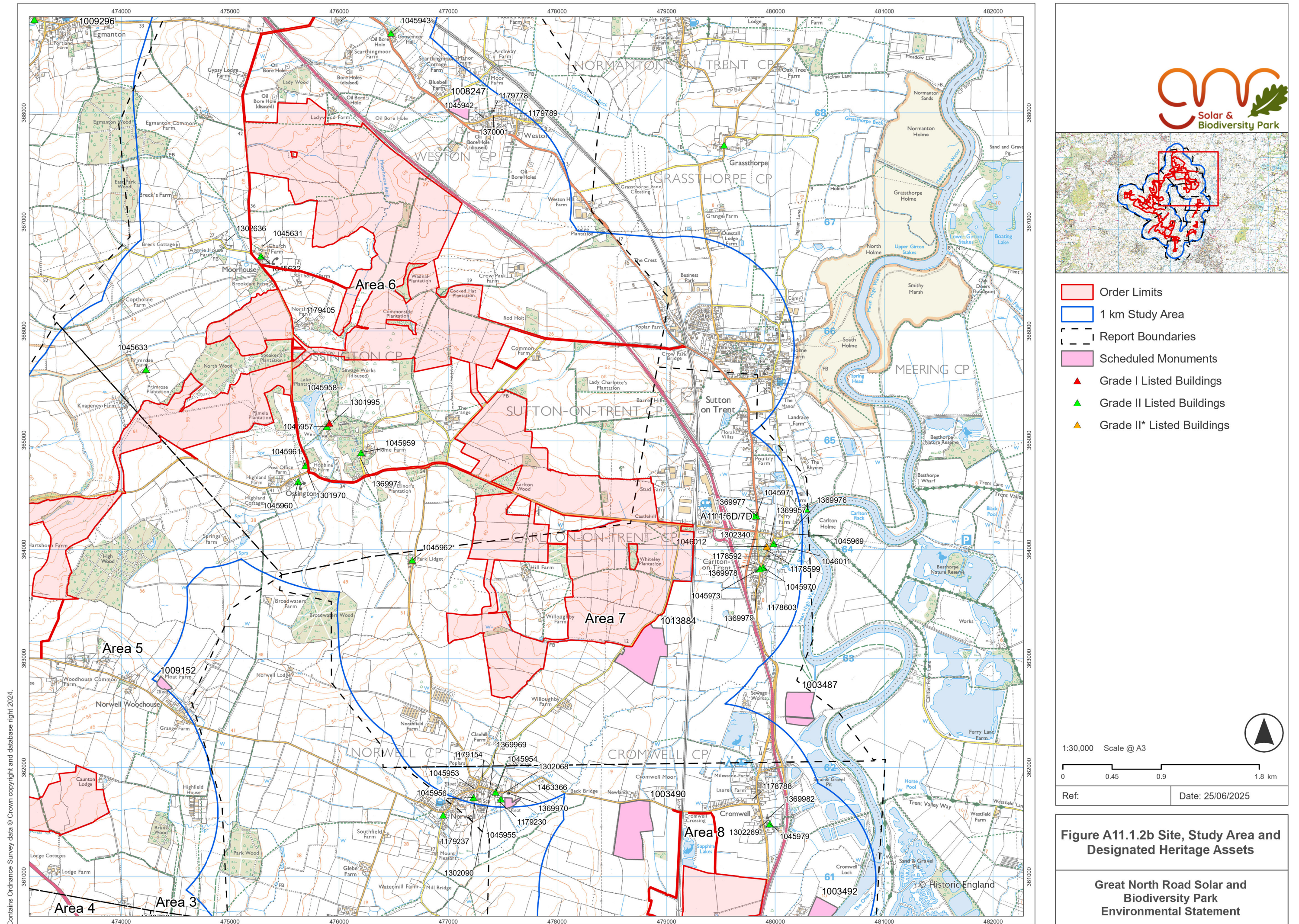
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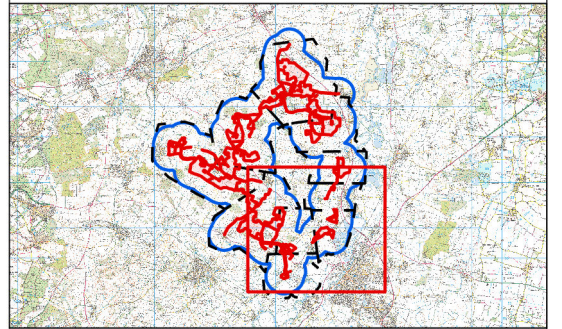
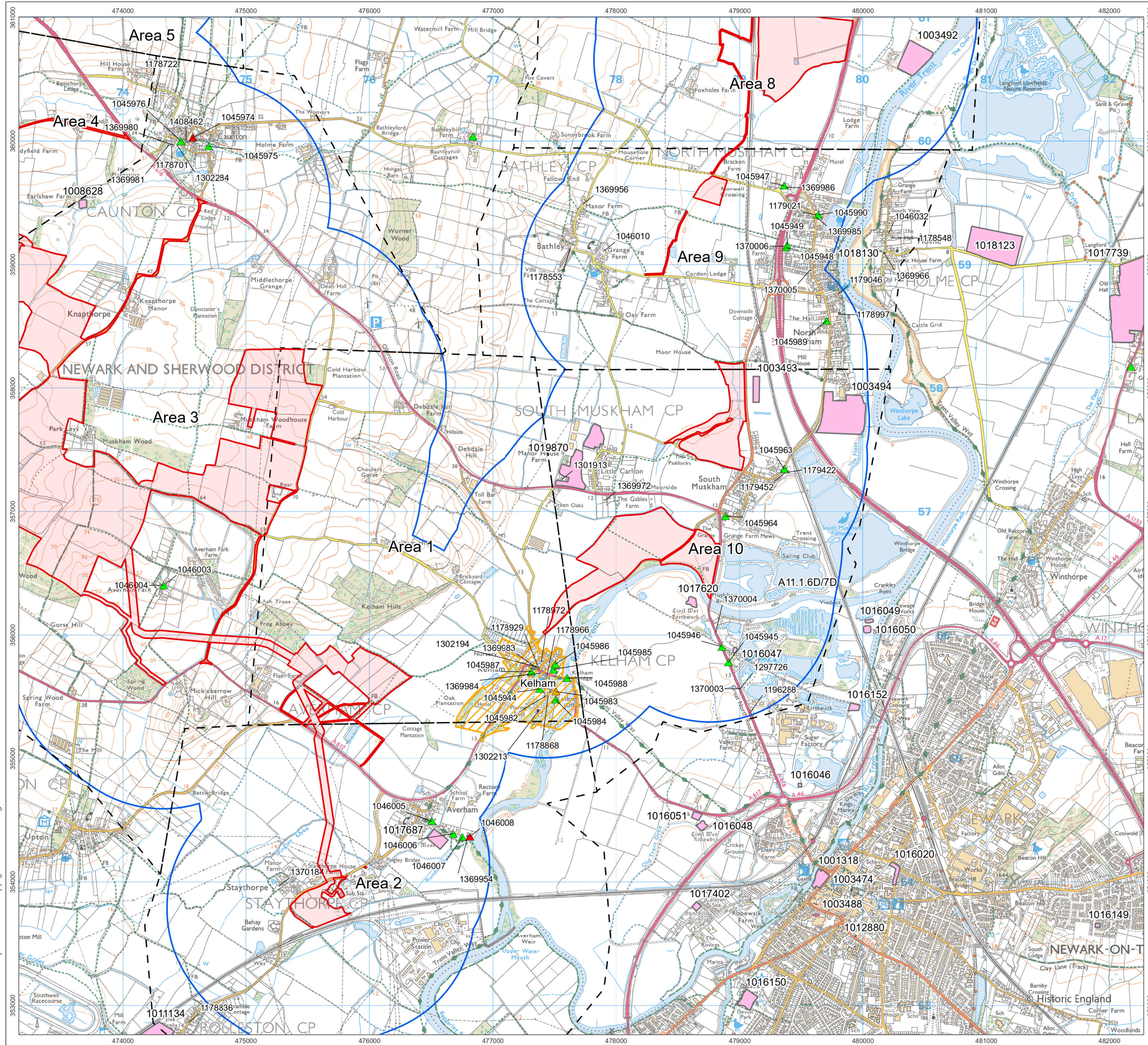
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Figure A11.1.2a Site, Study Area and Designated Heritage Assets

Great North Road Solar and Biodiversity Park Environmental Statement





- Order Limits
- 1 km Study Area
- Report Boundaries
- Scheduled Monuments
- Conservation Areas
- Grade II Park and Garden
- Grade I Listed Buildings
- Grade II Listed Buildings
- Grade II* Listed Buildings

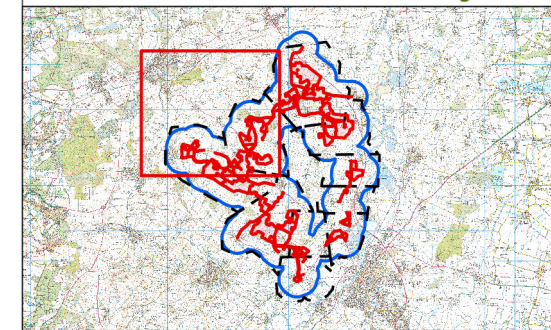
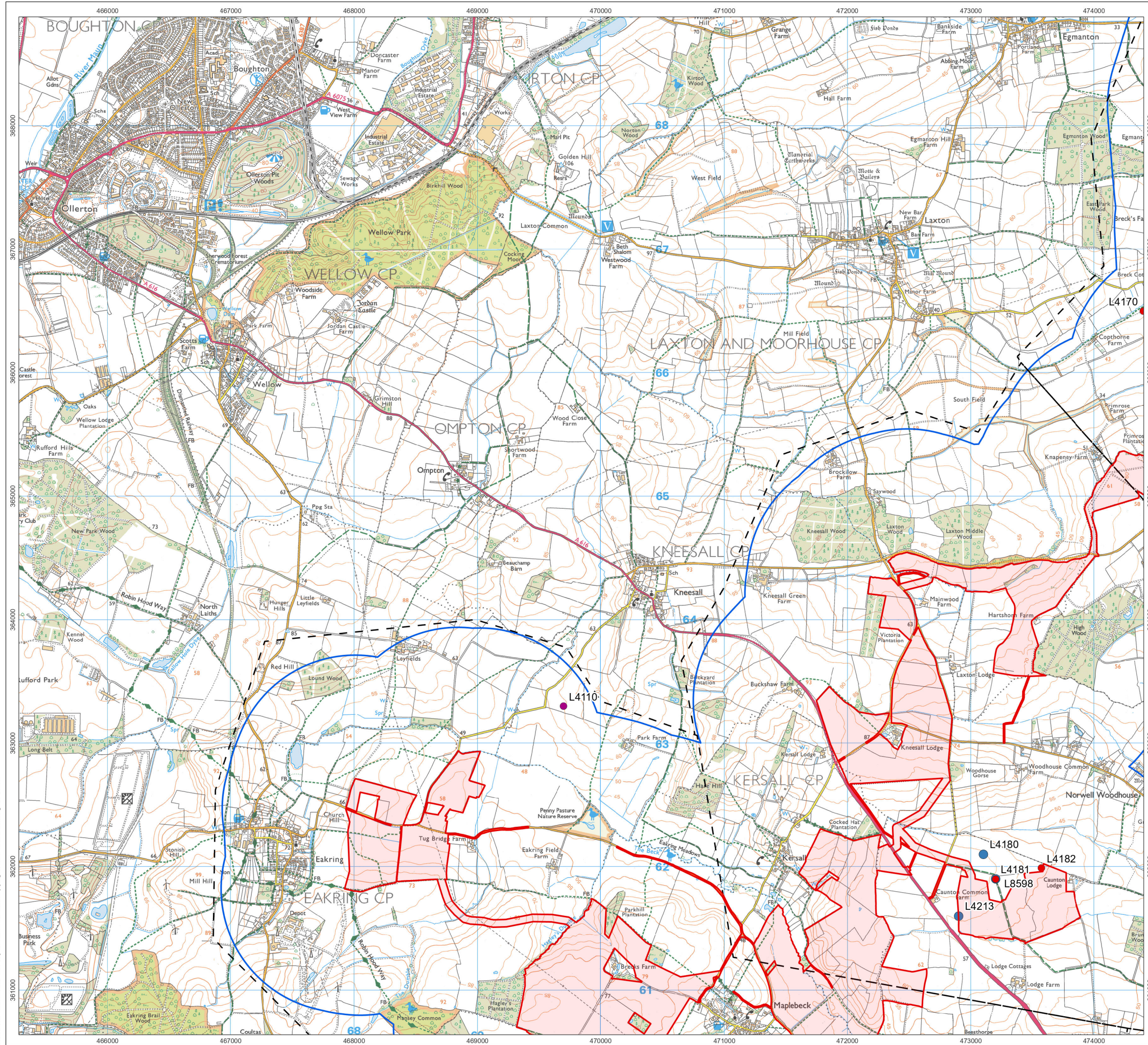
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Figure A11.2d Site, Study Area and Designated Heritage Assets

Great North Road Solar and Biodiversity Park Environmental Statement



- Order Limits
- Study Area
- Monuments Data
 - Palaeolithic
 - Neolithic
 - Romano-British
- Report Boundaries

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Ref: Date: 25/06/2025

Figure A11.1.3a: Site, Study Area, and HER Data (Palaeolithic – Romano-British)

Great North Road Solar and Biodiversity Park Environmental Statement