1EW03 - Enabling Works Central

AWH – Location Specific Written Scheme of Investigation for Assessment and Investigation of No-Data (Blank) Areas

Site Code: 1C20INFTP and 1C20WAFFM

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1 Executive Summary

1.1.1 This document forms a Location Specific Written Scheme of Investigation (LSWSI) for evaluating the artefact population of the ploughsoil zone on the route of the Phase One of High Speed Two (HS2) between Turweston and Great Missenden (AC210 and Ac250) Buckinghamshire.

1.1.2 The works will be managed by Fusion-JV, the Central Section Enabling Works Contractor (Fusion). The location, site conditions, geology and archaeology background, and selection rationale for each area are provided in the corresponding Project Plan (document ref: 1EW03-FUS-EV-REP-C000-009810).

1.1.3 This LSWSI, prepared by INFRA (on behalf of Fusion), sets out the methodology, deliverables, programme, health, safety and environmental requirements, resources and interfaces necessary to deliver the archaeological works defined in the Project Plan (Appendix 1)

1.1.4 The Project has been developed on previous research which modelled site location in relation to evidence (significant clusters) of early prehistoric and early medieval material to be preserved within the disturbed topsoil/ ploughsoil horizons.

1.1.5 The archaeological works comprise:

- Excavation (by mechanical stripping or hand) of soil overburden to the natural geology within test pits measuring 0.5m x 0.5m (i.e. 0.25m² within 46 fields across 2 Packages (AC210 and AC250, Table 1).
  - Bulk sieving of the soils, using a 10mm mesh for recovery of archaeological finds or sorting by hand (refer to 5.9.4).
- Fieldwalking for artefact recovery and distribution patterns within a single field forming one shapefile in AC240 (Table 1).
- Implementing a programme of archaeological recording, and

1.1.6 This LSWSI has been prepared in accordance with the standards and guidance provided by the GWSI: HERDS, the Technical Standards for Specification for Historic Environment Project Plans and Location Specific Written Schemes of Investigation (Document No. HS2-HS2-EV-STD-000-000036) and Specification for Historic Environment Investigations (Document No. HS2-HS2-EV-STD-000-000035) and relevant Historic England and CIfA Standards.

1.1.7 This document will be subject to approval by Fusion and in accordance with the change control process (Section 5.3).

2 Site Location, Extent and Condition

2.1.1 The Project comprises 16 shapefiles, made up of 46 individual fields (Table 1) over an approximate 40km long section between Turweston and Great Missenden, Buckinghamshire on the route of the Phase One of High Speed Two (HS2) (Figures 1.1-1.16 to 4.1-4.16).

2.1.2 The locations of these sites are presented in Appendix 8 and the proposed schedule in Appendix 6.

Table 1: Fusion GIS ID numbers, Site Name and Activity Type

Fusion GIS ID	Site Name	Activities
C21038	North of Nash Lee	Test pitting
C21039	Harley Farm	Test pitting
C21040	Hartley Farm	Test pitting
C21041	Hartley Farm	Test pitting
C21042	Wendoverdean Farm	Test pitting
C21043	Wendover Dean Farm	Test pitting
C21044	Park Hill	Test pitting
C24011	Wayside Farm	Fieldwalking Test pitting
C25098	Turweston Glebe	Test pitting
C25099	Mossycorner Lane	Test pitting
C25100	Finmere	Test pitting
C25101	Chetwode	Test pitting
C25102	Goddington Padbury Brook	Test pitting
C25103	Decoypond Wood	Test pitting
C25104	Dodderwill	Test pitting
C25105	Upper South Farm	Test pitting

3 Overview of Project Plan

3.1 Archaeological Context

3.1.1 This section summarises several previous investigations undertaken in and around the Project as described in Section 3.2 of the Project Plan which led to the selection of the sites in Table 1.

Previous Studies

3.1.2 Two previous studies have been used to determine the hypothetical model for site location in relation to landscape topography. The landscape of the central route has been analysed within GIS to provide a land suitability baseline score for each field within the route section. The veracity of these assumptions has then been tested against 113 locations where significant settlement and burial remains have been discovered to date.

3.1.3 The effectiveness of geophysical surveys and trial trenching across the different route sectors both to define significant activity, and confirm negative evidence, has also been analysed in relation to results to date, and are set out in Section 3.1 of the Project Plan (Doc Ref: 1EW03-FUS-EV-REP-C000-009810). The results of topsoil sampling to date that has been implemented alongside trial trenching has also been analysed and is presented in Section 3.2 of the Project Plan (Appendix 1)

Ploughzone Artefact Density Distribution

3.1.4 Ploughzone artefact density distribution has been recorded for 23 trial trench sites to date. This has been achieved by sieving 3 no. 50cmx 50cm topsoil samples per trench.

- The results were not particularly encouraging and show some very large outliers, however; it is considered that the methodology has been hampered by the heavy clay soils predominant in the central section, and lack of purposive equipment to undertake effective screening of the soil samples on site.

The EngLaid Project

3.1.5 The EngLaid ('English Landscape and Identities') project (Gosden et al 2012; Green et al 2017) analysed change and continuity in the English landscape from the Middle Bronze Age (c. 1500 BC) to the Domesday survey (c. 1086 AD).

3.1.6 The EngLaid data provides a summary (per km square) of the archaeological evidence built up by the multiple source data analysis across periods (Bronze Age, Iron Age, Roman, Early medieval).

Land Suitability

3.1.7 The land suitability model sought to objectively score each land parcel in terms of settlement suitability, achieved via a simple model measuring distance to water, topographic factors, and soils, excluding all known cultural heritage activity.

3.1.8 In addition, the following considerations were also made:

- HS2 Risk Rating
- HS2 Character area summary
- Previous fieldwalking evidence
- Tun/Thorpe place names

- Main works construction

3.1.9 Based on the results of those surveys, the sites identified in Table 1 were selected for testing, these considered to have the potential for evidence of significant early prehistoric and early medieval material to be preserved within the disturbed topsoil/ ploughsoil horizon.

3.1.10 The sporadic and ephemeral nature of early prehistoric remains (that are not defined by high densities of cut features) and long history of arable cultivation in the central section, means that much of the evidence for Mesolithic and Neolithic and Bronze Age archaeology has been damaged or lost.

3.1.11 The hypothesis that significant find scatters that could still be identified within the ploughsoil has driven the adoption of field walking and gridded test pits as the preferred methods to test the research questions set out in Section 3.2 of this document and presented in the Project Plan.

3.2 Aims and Objectives of the Archaeological Fieldwalking and Test Pitting

3.2.1 The proposed schedule of Archaeological Works is provided in Appendix 8 and summarised in Table 2.

3.2.2 The specific objectives for the "no data" areas investigation is focussed on the pre-Iron Age prehistory and the post Roman to early medieval periods (Table 2).

3.2.3 The Project Plan identifies the following specific HERDS objectives.

Table 2: Contribution to Specific HERDS Objectives

HERDS Specific objective	Site Name	AIMS Site Codes	Investigation type	Contribution
KC5: Identifying settlement location and developing models for settlement patterns for the Mesolithic, Neolithic and Early Bronze Age	All site groups	1C20INFTP 1C20WAFFM	Fieldwalking (AT20) or Test pits (AT21) will be used to record the density and distribution of dateable material in the ploughsoil. Significant clusters of finds if identified will instigate further adaptive sampling to delineate the artefact scatter boundary.	The identity of significant clusters of dateable finds may represent a proxy for below ground archaeology that is difficult to detect with geophysics or other remote sensing techniques. In this event further intrusive investigation may be required. (Champness 2019).

HERDS Specific objective	Site Name	AIMS Site Codes	Investigation type	Contribution
KC11: Does the high density of prehistoric settlement evidence in the Colne Valley reflect a genuine focus of activity or does it reflect a bias in the archaeological record?	All site groups	1C20INFTP 1C20WAFFM	Fieldwalking (AT20) or Test pits (AT21) will be used to record the density and distribution of dateable material in the ploughsoil. Significant clusters of finds if identified will instigate further adaptive sampling to delineate the artefact scatter boundary (Orton 2000).	The investigation of locations outside of the Colne Valley spread across different landscape zones will allow the comparison of activity levels with those found in the Colne Valley.
KC30: Identify the location and form of Early and Middle Saxon settlement and investigate evidence for land use in the period	All site groups	1C20INFTP 1C20WAFFM	Fieldwalking (AT20) or Test pits (AT21) will be used to record the density and distribution of dateable material in the ploughsoil. Significant clusters of finds if identified will instigate further adaptive sampling to delineate the artefact scatter boundary.	Pottery or other dateable artefacts between post Roman and pre-conquest periods may indicate the spatial arrangement of in-fields surrounding lost EMED dispersed farmsteads that are not indicated by geophysics or other remote sensing techniques. Discovery of such sites will help define the origin of ridge and furrow cultivation that overlies many of these locations (Oosthuizen 2008)
KC31: Identify the location of Middle to Late Saxon settlement, explore processes of settlement nucleation and understand the development of associated field types and agricultural regimes	All site groups	1C20INFTP 1C20WAFFM	Fieldwalking (AT20) or Test pits (AT21) will be used to record the density and distribution of dateable material in the ploughsoil. Significant clusters of finds if identified will instigate further adaptive sampling to delineate the	Artefact distributions alongside topographic and historical data will help define the origins of open field strip farming in relation to extant nucleated settlements. Intrusive investigations planned in the same townships will also be

HERDS Specific objective	Site Name	AIMS Site Codes	Investigation type	Contribution
			artefact scatter boundary.	contributing to this question.
KC40: Identify patterns of change within Medieval rural settlement from the 11th to mid-14th century	All site groups	1C20INFTP 1C20WAFFM	Fieldwalking (AT20) or Test pits (AT21) will be used to record the density and distribution of dateable material in the ploughsoil.	Distribution patterns of dateable material may indicate patterns for onset of arable manuring.

4 Programme

4.1.1 The provisional programme is presented in Appendix 6 and summarised in table 3. This includes a nominal start date of 05/10/2020 and an overall fieldwork duration of 11 weeks.

- This program is subject to change

4.1.2 The works program will be confirmed following discussion between Fusion and INFRA and will be dependent on approved land access.

Table 3: Schedule of Archaeological Works

Fusion GIS ID	Site Name	Proposed Start Date	Proposed End Date
C21038	North of Nash Lee	19/01/2021	27/01/2021
C21039	Harley Farm	14/01/2021	18/01/2021
C21040	Hartley Farm	21/01/2021	25/01/2021
C21041	Hartley Farm	08/01/2021	20/01/2021
C21042	Wendoverdean Farm	11/01/2021	13/01/2021
C21043	Wendover Dean Farm	08/01/2021	28/01/2021
C21044	Park Hill	06/01/2021	02/02/2021
C24011	Wayside Farm (fieldwalking)	03/12/2020	18/12/2020
C24011	Wayside Farm	03/12/2020	18/12/2020
C25098	Turweston Glebe	20/11/2020	01/12/2020
C25099	Mossycorner Lane	02/12/2020	16/12/2020
C25100	Finmere	26/11/2020	03/12/2020
C25101	Chetwode	16/11/2020	01/12/2020

Fusion GIS ID	Site Name	Proposed Start Date	Proposed End Date
C25102	Goddington Padbury Brook	23/11/2020	11/12/2020
C25103	Decoypond Wood	14/12/2020	07/12/2021
C25104	Dodderwill	04/12/2020	07/01/2021
C25105	Upper South Farm	04/01/2021	08/01/2021
All sites listed are 'test-pitting' unless stated as 'fieldwalking'			

5 Specific Method Statements

5.1.1 A summary of the plant and equipment required is provided below, and Risk assessment and method statement (RAMS) for this project (Doc Ref: 1EW03-FUS_IFA-HS-MST-C000-000001).

Plant

- Tracked excavators (1.5 to 7 tonnes)

Equipment

- Trimble GNSS for surveying
- Hand tools (shovels, mattocks, trowels, sieves etc as required) for hand excavation and sieving

Vehicles

- Garic welfare vehicles
- Other vehicles, as necessary, to transport staff to/ from the sites
- 4x4 vehicles or tractors and trailers to move Euromats and plant.

5.2 Work Package, Phasing and Delivery

5.2.1 The Archaeological Works are being undertaken as part of Route Wide Assessment and Investigation of No-Data (Blank) Areas, forming part of work package AWH.

5.2.2 The works will be sequenced in two phases:

- Ploughing/ fieldwalking at C24011 in September to October 2020
- Test pitting at all sites from November 2020 to February 2021

5.2.3 The test pitting is broadly sequenced by sector from north to south, beginning in C23 sector, then moving to C2b Calvert/ C2 Central and then to C2a South.

5.2.4 Delivery of the test pitting will be achieved through the following activities

- Mobilisation, site establishment and installation of welfare
- Setting out survey
- Excavation, sieving and recording of test pits
- Rapid assessment of the quotative and spatial results
- Identification of the need for adaptive sampling a preparation of FCCF, if necessary
- HOLD POINT
  - agreement to implement adaptive sampling contingency with Fusion/ HS2
- Excavation, sieving and recording of additional, adaptive sample, test pits
- Demobilisation and
- Preparation of report deliverables.

5.3 Change Control

5.3.1 The Archaeological Works have been designed to address the aims and objectives laid out in section 3.2.

5.3.2 The GWSI:HERDS establishes the need to manage unexpected discoveries and regularly review ongoing fieldwork events (Sections 7.6.5 and 7.6.17). To promote rapid decision making and to minimise delays a clearly defined change control process will be followed. This change control process will enable:

- rapid decision making during historic environment investigations.
- the implementation of contingencies.
- the variation of methodologies being used on Site.
- the localised extension of investigation areas: and
- the rapid implementation of mitigation measures.

5.3.3 The change control process will also enable effective cost control while minimising the risk to the enabling works programme.

5.3.4 The change control process will be recorded using the pro-forma Historic Environment Fieldwork Change Control Acceptance Sheet and will comprise the following steps:

1) INFRA will:
   - prepare an interim summary of the investigation results noting key features or elements of the archaeological remains or structure

- provide a proposal for the variation to the works or methodologies; and
- suggest any new or existing HERDS objectives to which the variation may provide opportunities for knowledge gain.

2) The interim summary will be submitted to Fusions Historic Environment Manager who will disseminate the results and arrange a meeting on Site with HS2's Historic Environment Manager and Buckinghamshire County Council Archaeology Service (BCAS).

3) At the site meeting all parties will:

- review the nature, extent and significance of the archaeological remains
- review and agree the proposed variation to the works; and
- signify their endorsement or approval of the variation by signing the Historic Environment Fieldwork Change Control Acceptance Form.
- at the end of the site meeting the Fusions Historic Environment Manager will instruct INFRA to implement the variation to the works.

4) Following the site meeting, Fusion will submit a copy of the completed the Historic Environment Fieldwork Change Control Acceptance Form to the HS2 via eB.

5) Where the rapid implementation of mitigation measures is required Fusion will, prior to completion of the ongoing archaeological investigation:

- prepare a new Project Plan detailing the aims, HERDS objectives and specification of the archaeological mitigation and submit it to the Employer for acceptance.
- Request a new site code from HS2; and
- Update and resubmit the existing LSWSI to include the archaeological mitigation work. If unexpected remains are encountered, the remains will be reported in the evaluation report and an appropriate mitigation strategy will be designed by the HS2 HERDS team.

5.3.5 INFRA will maintain a register on Site of any change controls requested and their approval by Fusion (Appendix 2).

5.4 Information Management Plan

5.4.1 Digital data will be gathered on Site by a specialist team, supervised by Marcela Szalanska. This data will be sent daily to INFRA's GIS Manager, Annemarie Gaunt, who will process the data and check for errors or omissions. This data will form part of INFRA's weekly reports to Fusion.

5.4.2 The digital data will be held on secure servers at INFRA's offices in Buckingham, Cardiff and Lincoln.

5.4.3 Following completion of the Archaeological Fieldwalking and Test Pitting, INFRA will provide Fusion with the required data, metadata and digital material as specified in the Historic

Environment Digital Data Management and Archiving Procedure (C262-ARP-EV-SPE-000-000003). All data will be delivered in accordance with the GIS data standards set by HS2 and Fusion in the Site Project Plan.

5.4.4 CAD files will be GIS compatible and follow standards set out in the Cultural Heritage GIS Specification (HS2-HS2-GI-SPE-000-000004) and the Geographical Information System Standards (HS2-HS2-GI-STD-000-000002).

5.5 Fieldwork Procedures

Introduction

5.5.1 This LSWSI relates to two activities – Fieldwalking and Test Pitting. Table 1 identifies which activities will take place at each site.

5.5.2 This section details the methodologies that will be adopted for Fieldwalking and Test Pitting to meet HS2 Technical Standard: Specification for historic environment investigations (Doc. Ref. HS2-HS2-EV-STD-000-000035), and to meet the requirements of the Project Plan.

5.5.3 Variations to the design or methodologies outlined in Sections 5.6 to 5.11 will be undertaken following the Change Control Process (Section 5.3).

Terms of reference

5.5.4 'Overburden' refers to non-archaeologically significant horizons which are either naturally formed (e.g. topsoil and subsoil) or man-made and are outside the scheduled monument.

5.5.5 'Subsoil' refers to soil horizon(s) in-between the topsoil and natural geology and may include alluvium and colluvium.

Site Codes and Finds Numbers

5.5.6 An individual AIMS site code will be applied to each site group and each activity code (Table 1).

5.5.7 Individual finds within either survey will be numbered with reference to the unique Fusion Field ID (FID).

5.6 Site Condition Record

5.6.1 Prior to and after work activities, photographs showing the initial and final conditions of the Site respectively will be undertaken by INFRA. The photographic record will be in digital format, resulting in high-resolution TIFF (uncompressed) images. Photographs will illustrate both the detail and context of any earthworks or other archaeological features. In addition, INFRA will take appropriate record photographs il illustrate work in progress. All photographic records will include information detailing the site name and number/code, date, context, scale and orientation. A selection of progress photos of publication-quality will be submitted with the weekly progress report.

5.7 Setting-out Survey

5.7.1 INFRA will follow the requirements set out in the Employer's Technical Standard (HS2-HS2-EV-STD-000-000035).

5.7.2 All spatial setting out and recording will be in accordance with The Ordnance Survey National Grid and Ordnance Survey Newlyn Datum (ODN) as defined by the OS Active GNSS network and use of a Virtual reference system, as laid out in the Project Plan.

5.7.3 Points for site boundaries and trench locations will be obtained from shapefiles provided by the Contractor.

5.7.4 Recording will have a horizontal accuracy of +/-500mm.

5.8 Fieldwalking

Pre-commencement Works

5.8.1 INFRA's agricultural contractor, Heartwood, will plough and disc-harrow the field, as per the methodology laid out below:

- A permit to dig, and GS6 permit will be provided by Fusion as detailed I the Fieldwalking RAMS (Doc. Ref. 1EW03-FUS_IFA-HS-MST-CS04_CL19-000001) prior to the commencement of works.
- Once delivered to site the tractor, and all attachments, will be inspected daily to ensure suitability and safety by the CPCS trained operator.
- The CPCS operator will ensure that the plough, furlough and any other such items are suitably fastened.
- All staff, including Heartwood personnel, will always wear the minimum required PPE on site.
- Daily briefings and toolbox talks will take place prior to the commencement of any daily activities.
- Under the constant supervision of a trained banksman, the tractor will systematically drive over the site, ploughing in straight lines from one field boundary to the opposite.
- The operator will use professional judgement to turn the sod once to a depth not exceeding the current plough soil depth (assumed to be c.300-350mm)
- The banksperson will remain a safe working distance of 15m from the tractor whilst it is operational, and radios will be utilised to ensure safety.
- Noise and vibration will be monitored on site, and if necessary, hearing protection for both the operator and banksman provided.

- If a third party enters the site, the banksperson will stop the tractor until the reason the third party is present has been established. Once established and site preliminaries have been undertaken (if required) works will recommence.
- If the third party is a member of the public, works will not be restarted until the member of the public has vacated site. Fusion will be contacted immediately if members of the public enter site.
- Care will be taken when working near constraints (ecology constraints listed below and, in the RA).
- The EAP will always be adhered to.
- If working under an ecological watching brief, the banksperson will be in close communication with the ecologist to determine when the tractor starts / stops cutting, and the ecologist needs to enter / exit the area.
- The vehicle banksman (and ecologist, if present) will always be outside the designated risk zone of the machine whilst cutting, maintaining a safe distance of at least 15 metres.

5.8.2 INFRA will inspect the field(s) two days before the survey date to ensure that optimal conditions have been achieved.

5.8.3 Dependant on site conditions at the time of mobilisation, the fieldwork method may be converted from test pits (AT21) to fieldwalking (AT20) or vice versa.

Fieldwalking Methodology

5.8.4 The fieldwalking methodology will be:

1. INFRA will set out survey transects aligned along the dominant field boundary axis with transects positioned at 4m intervals.
2. A line of ranging poles will be set up at 90 degrees to the dominant field boundary axis and positioned 4m x no. of walkers apart.
    - For example, if there were 6 walkers the ranging poles would be positioned 24m apart. As each transect is walked all 6 walkers can keep to line by walking through the relevant pair of ranging poles as they move across the field.
3. Each walker will examine the ground 1m either side of them which (equating to C.50% surface coverage).
4. Transects will be walked by suitably experienced personnel experienced and competent in identification of archeologically derived artefacts (versus natural processes).
5. Artefacts will be flagged at the found position by the walker.

- A designated finds analyst will follow behind the walkers undertaking a 'first pass' screening of the finds with non-finds discarded and actual finds bagged and given a unique finds number.
- A designated surveyor will also follow behind the walkers alongside the finds analyst and will take the points of actual finds only making sure the survey point number corresponds with the find number.

6. The spatial reference will be provided to an accuracy of +-0.5m and related to the unique field ID. Field boundaries will also be surveyed in in case they have changed from those on the digital map base or not the whole of the field could be walked for whatever reason/s.

Fieldwalking Finds Retention

5.8.5 All pottery and stone tool debris/burnt debris will be collected and retained for off-site lab processing and identification by the relevant specialist.

5.8.6 CBM and other bulk finds relating to Roman/Medieval period will be noted as part of each field record, but not retained.

5.8.7 All post medieval and modern materials will be disregarded.

5.8.8 Important small finds from periods outside the key study periods will be retained.

Fieldwalking Records

5.8.9 All on site recording will be undertaken to the standards presented in the Project Plan and in adherence to the Technical Standard Specification for historic environment investigations (HS2-HS2-EV-STD-000-000035).

5.8.10 Record sheets will be completed, ideally digitally, for each field, detailing weather and atmospheric visibility, land use, ground conditions, and optimal condition status of field surface and survey personnel employed.

5.8.11 Working shot digital photographs to publication standard, will be taken during the works and not less than 10 representative images submitted for engagement purposes.

Additional Works

5.8.12 Where field walking identifies a significant cluster of material indicative of an early prehistoric lithic scatter, or potential buried remains associated with either of the key periods under investigation, a further investigation of the site may be recommended.

- This may comprise additional test pit survey to establish the extent and character of the finds scatter and/or intrusive evaluation and/or mitigation works.
- Any further works will be assessed on a case by case basis and scoped under a change control following assessment of the survey results.

5.9 Test Pitting Methodology

Pre-commencement works

5.9.1 The test pit arrays for each site are shown on Figures 4.1 to 4.16.

- Each test pit measures 0.25m² (500mm x 500mm) and is set out at 20, grid intervals (assuming 25 test pits per hectare) on a staggered grid pattern (after Banning 2002 Plate 1, central example below).

Plate 1: Test Pits laid out in a staggered pattern

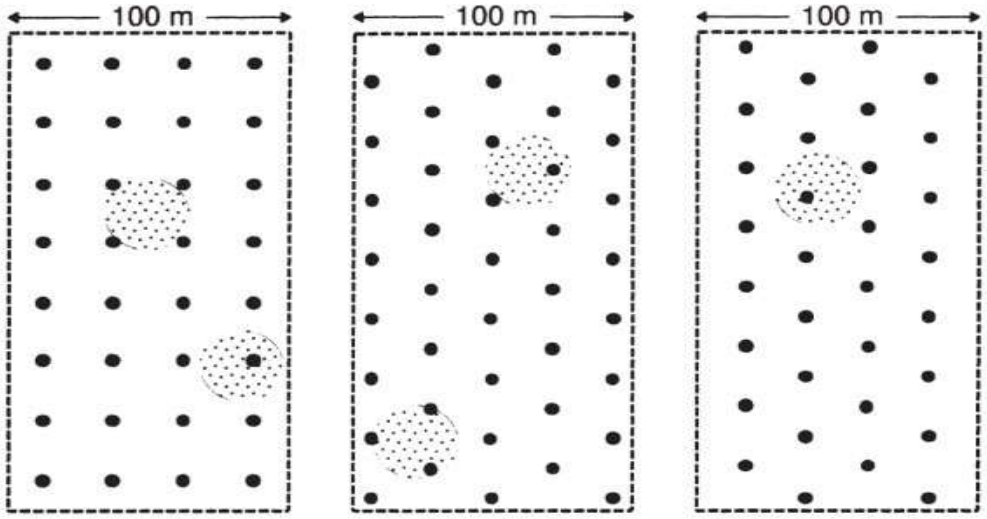


Figure 9. The probability that points on square (left), "offset" or isoceles (center), or equilateral triangular grids will intersect a circular target is a simple function of the target's size (radius) and the distance between the points (i).

5.9.2 Test pit numbers (integer to 3 places) have been assigned as a suffix to the Fusion Field based planning unique field ID (FID).

5.9.3 Prior to establishing the test-pit array, INFRA reviewed the utility mapping provided by Fusion for (Figures 3.1 to 3.16).

- Test pits that fell within exclusion zones of buried utilities were locally moved to a safe place or deleted from the scope.
- Test pits falling within the exclusion zones of overhead utilities will be hand dug

Excavation Methodology

1. Test pits will be excavated using a mechanical excavator fitted with a 0.5m wide toothless ditching bucket or by hand
2. All overburden will be excavated to natural geology with each horizon (i.e. topsoil and subsoil) being stored separately.

- Each soil horizon will be assigned an individual context number

Sieving

5.9.4 Each horizon unit will be bulk sieved, through a 10mm mesh, at the test pit location, for recovery of worked/bunt stone and pottery assemblages. If sieving is impractical due to soil consistency, hand sorting of the sample will be undertaken.

5.9.5 bulk sieved through a 10mm mesh at the test pit location for recovery of worked/burnt stone

Test Pit Finds

5.9.6 The Project Plan notes the following requirements for finds retention and disposal:

- All pottery and stone tool/burnt debris will be collected and retained for off-site lab processing and identification by INFRA's designated specialists.
- CBM and other bulk finds relating to Roman/Medieval period will be noted but not retained.
- Important small finds from periods outside the key study periods will be retained.
- All post medieval and modern materials will be disregarded.
- If lithic micro-debitage is observed, 30 litres of sediment will be retained from the unit for off-site lab processing.

5.9.7 If contaminated or potentially contaminated material is excavated, investigation of the test pit will stop to record any findings and the test pit will be promptly backfilled.

- The site team will be briefed about the risk of asbestos and will implement the procedures outlined in Section 9.7 of Fusion's Environment Management Plan (Doc. Ref. 1EW03-FUS-EV-PLN-C000-001651) (see also below 6.5.9).

Test Pit Recording

5.9.8 All on site recording will be undertaken to the standards presented in the Project Plan and in adherence to the Technical Standard Specification for historic environment investigations (HS2-HS2-EV-STD-000-000035)

5.9.9 A test pit written record will be completed noting:

- weather and atmospheric visibility
- land use
- soil ground conditions
- processing conditions (wet/dry/optimal) and
- the survey personnel employed.

5.9.10 A confidence rating on the sieving process will be recorded as will any archaeological features cut into the natural substrate.

5.9.11 Within alluvial/colluvial sequences the sub-contractor will pay attention to establishing the vertical extent of layers of potential archaeological horizons of cultural activity.

5.9.12 Should it be necessary to move a test pit from its original location, all four corners of the moved test pit will be surveyed as dug following excavation and prior to reinstatement.

Adaptive sampling

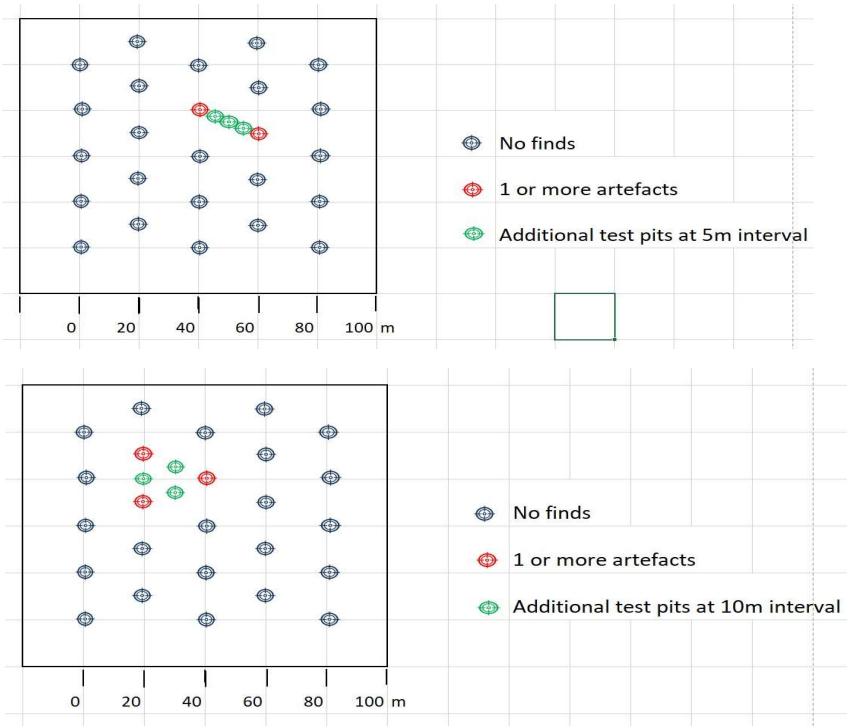
5.9.13 Quantative spatial recording and within-survey specialist assessment will be undertaken to determine the immediate requirement for adaptive sampling. Plates 2 and 3 are examples, and the supervisor will use their professional judgement to apply the available contingency.

5.9.14 Two specific artefact classes, worked/burnt flint and pottery will instigate further adaptive sampling to investigate the extent of a possible cluster.

5.9.15 Adjacency

- If two or more adjacent test pits produce finds suggestive of a flint/pottery scatter or cluster, additional test pits will be added to the grid at 5m or 10m interval distance on a transect between the two find spots (e.g. Plate 2).

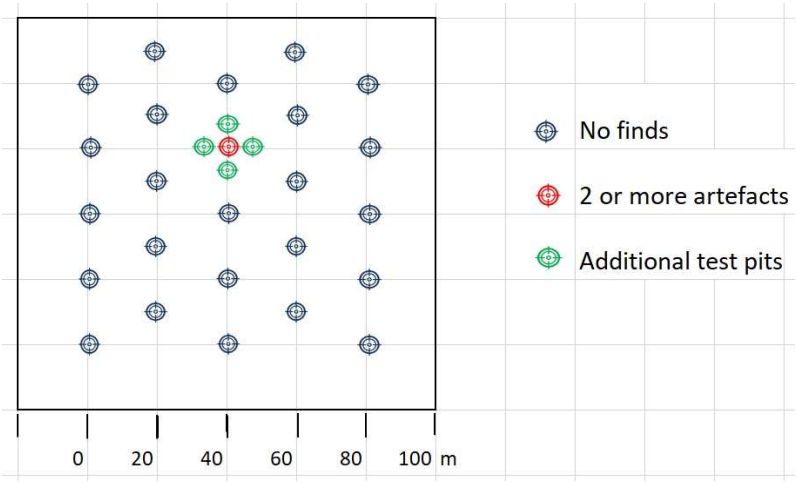
Plate 2: Example adaptive sampling additional pits at 5m (top) or 10m (bottom) intervals



5.9.16 Hot spot

- If two or more finds suggestive of a scatter are recovered from a test pit, additional test pits should be added to the grid at 5m interval distance in the four cardinal directions (E.g. Plate 3).

Plate 3: Example adaptive sampling – additional test pits at 5m from potential hot spot



Contingency Test Pits

5.9.17 A test pit contingency of 10% (by number of pits) will be included in the scope for each site group to be implemented via verbal agreement with Fusions HERDS manager.

5.9.18 This allowance will not be exceeded without a formally approved change control and instruction from Fusion.

5.9.19 The number of planned test pits (based on a density of 25 per hectare) and contingency test pits is shown in Table 4.

Table 4: Planned and contingency test pits by site

CR-ID	Site Name	No. Planned TPs	No. contingency TPs
C21038	North of Nash Lee	111	11
C21039	Hartley Farm	61	6
C21040	Hartley Farm or Rocky Lane N	56	6
C21041	Hartley Farm or Rocky Lane S	169	17

CR-ID	Site Name	No. Planned TPs	No. contingency TPs
C21042	Upper Wendover Dean Farm	53	5
C21043	Upper Wendover Dean Farm	302	30
C21044	Park Hill or North Portal	428	43
C24011	Wayside Farm	394	40
C25098	Turweston Glebe or Western Glebe	168	17
C25099	Mossycorner Lane	239	24
C25100	Finmere	96	10
C25101	Chetwode or Barton Hill Farm	224	22
C25102	Goddington Padbury Brook or Cowley Farm	350	35
C25103	Decoy Pond Wood	158	16
C25104	Doddershall	274	27
C25105	Upper South Farm	80	8

Reinstatement

5.9.20 Test pits will be re-instated in the reverse order to which they were excavated (i.e. Subsoil first followed by topsoil), and the surface restored to the as found condition. If ground water is encountered, each test pit will be bailed/pumped dry before re-instatement.

Fieldwork Recording

5.9.21 All on site recording will be undertaken to the standards presented in the Project Plan and in adherence to the Technical Standard Specification for historic environment investigations (HS2-HS2-EV-STD-000-000035.

5.10 Environmental Sampling

Sampling strategy

5.10.1 Environmental sampling is not required, unless lithic micro-debitage is observed in which case 30 litres of sediment will be retained from the unit for off-site lab processing.

Scientific Dating

5.10.2 If sampled material or finds are suitable for scientific dating in the opinion of the assessing specialist, a judgement will be made, in conjunction with Fusion, as to the benefit of scientific dating. Criteria such as the significance of the deposit or find, and the reliability of any other source of dating for the deposit or find will be taken into consideration.

Finds processing and reporting

5.10.3 Finds will be processed in house by INFRA staff under the management of Victoria Rees.

5.10.4 A summary of finds recovered by fieldwalking at field F12_0011 of C24011 (Wayside Farm) will be provided to the HERDS Manager daily to enable a rapid decision-making process regarding further mitigation.

5.10.5 Following this a preliminary catalogue will be produced, and the finds sent to their relevant specialists (see Appendix 5).

5.10.6 The specialists will produce assessment reports on the artefacts, which will be included in the final Fieldwork Report issued by INFRA. Should the specialists recommend further analysis of any artefacts, these recommendations will be discussed and agreed with Fusion and HS2 as required (see below).

5.11 Human Remains

5.11.1 Human remains will be treated in accordance with HS2s Human remains and monuments procedure (HS2-HS2-EV-PRO-0000- 00008) and Technical Standard Specification for historic environment investigations.

5.11.2 If human remains are found, work will cease at the location where the remains are found, and Fusion's HERDS Manager will be notified promptly. The initial notification will be made personally or by telephone but will be confirmed in writing (including email) within 24 hours of discovery.

5.11.3 Human remains will not be investigated as part of this work. They will be left in situ and covered back over, in agreement with Fusion's HERDS Manager.

5.12 Deliverables

5.12.1 Further details on reporting and deliverables can be found in Sections 8 and 9 of the Project Plan.

5.12.2 The deliverables will be as follows:

- Fieldwork Sign Off Sheet – 24hrs
- Interim Statement – 2 weeks
- Survey Report – 2 weeks
- Fieldwork Report – 6 weeks
- Digital Deliverables – 6 weeks
- All timescales are from date of completing the site works (i.e. demobilisation)

Further information on the structure and design of the reports can be found in section 6 of the Project Plan.

5.13 Digital Deliverables

5.13.1 Following completion of the archaeological works, INFRA will provide Fusion with the required data, metadata and digital material as specified in the Historic Environment Digital Data Management and Archiving Procedure (C262-ARP-EV-SPE-000-000003). Data management will be undertaken in accordance with HS2's Cultural Heritage GIS

5.13.2 All data will be in accordance with the Geographical Information System Standards (HS2-HS2-GI-STD-000-000002).

5.13.3 Infra will produce and deliver all reports, including illustrations, in accordance with Fusion's fieldwork guidance (Doc. Ref. HS2-HS2-EV-STD-000-000035) and HS2's Document Management Procedure (HS2-HS2-IM-PRO-000-000008).

5.13.4 CAD files will be GIS compatible and follow standards set out in the Cultural Heritage GIS Specification (HS2-HS2-GI-SPE-000-000004) and the GIS Standards (HS2-HS2-GI-STD-000-000002).

5.14 Resources

5.14.1 Key contacts for the Site are:

5.14.2 Infra's team and Fusion's team are listed in Tables 5 and 6, respectively.

Table 5: Infra Contacts

Name	Role	Phone	Email Address
Annemarie Gaunt	Geomatics Manager	07841 299521	annemarieg@netarch.co.uk
Chris Griffiths	Project Supervisor		
Ciaran Feeney	Project Officer	07752 066 900	Ciaranf@netarch.co.uk
David Bonner	Operations Director	07939 535 545	Davidb@netarch.co.uk
Graham Cruse	Field Operations Manager	07725 873 492	Grahamc@netarch.co.uk
Louis Stafford	Site Manager	07523 515 109	Louis.stafford@rubiconheritage.com
Mark Collard	Project Director	07725 208 620	Mark.collard@rubiconheritage.com
Simon Roper	Reports Manager	07740 512 380	Simon.roper@rubiconheritage.com

Victoria (Vix)Hughes	Project Officer	07736 946356	Victoria.hughes@rubiconheritage.com
Victoria Rees	Post-Ex Manager	07523 515689	Vicky.rees@rubiconheritage.com

Table 6: Fusion Contacts

Name	Role	Phone	Email Address
Abdul Abdulgafar	C3 Consents Lead	07540 333 769	Abdul.Abdulgafar@fusion-jv.com
Ajay Sahota	Assistant Project Manager (C2a South)	07985 581 811	Ajay.Sahota@fusion-jv.com
Alex Robinson	Quantity Surveyor		Alex.Robinson@fusion-jv.com
Alexandru Tapalaga	Project Engineer (C3)		Alexandru.Tapalaga@fusion-jv.com
Alfred Pecout	Project Engineer BS19		Alfred.Pecout@fusion-jv.com
Amir Khalilzadeh	Senior Project Engineer	07437 490 880	Amir.Khalilzadeh@fusion-jv.com
Bernard Hanley	Shapes Delivery Manager (19 to 21)		Bernard.Hanley@fusion-jv.com
Bruce Banks	Snr Project Engineer	07538 159 264	Bruce.Banks@fusion-jv.com
Christos Karalis	Assistant HERDS Manager	07523 849 143	Christos.Karalis@fusion-jv.com
Conor Paul	Snr Environmental Advisor	07721 115 228	Conor.paul@fusion-jv.com
Darian Rad	Senior Project Engineer (C3)	07450 985 769	Darian.Rad@fusion-jv.com
Dave Burgess	Agent	07711 781 447	Dave.Burgess@fusion-jv.com
Dave Hopper	H&S Advisor	07764 660 049	Dave.Hopper@fusion-jv.com
Eleri Newman	Assistant HERDS Manager, C1, C23	07496 042 613	Eleri.Newman@fusion-jv.com
Felicity Andruszko			Felicity.Andruszko@fusion-jv.com
Francis O'Connell	Sector Manager (C3)	07773 076 466	Francis.OConnell@fusion-jv.com
Iain Girvan	C23 BS18 Snr Project Engineer	07795 521 519	Iain.Girvan@fusion-jv.com

Name	Role	Phone	Email Address
Iain Williamson	HERDS Manager C1, C23	0770 825 565	Iain.Williamson@fusion-jv.com
Ian Sills	Senior Project Manager	07817 896 124	Iain.Sills@fusion-jv.com
John Allen	AWE2b & d Senior Project Engineer	07773 223 958	John.Allen@fusion-jv.com
John Ely	C23 Central Sector Lead	07714 855 708	John.Ely@fusion-jv.com
Joseph Groarke	Assistant Design Manager (HERDS)	07960 469 731	Joseph.Groake@fusion-jv.com
Joseph Solomons	Senior Project Engineer	07895 184 725	Joseph.Solomons@fusion-jv.com
Josh Cameron	Assistant HERDS Manager (C2a South)	07932 733 932	Josh.Cameron@fusion-jv.com
Katerina Bounou	Sector Coordinator (C23 Central)	07867 150 689	Katerina.Bounou@fusion-jv.com
Keith White			Keith.White@fusion-jv.com
Mark Strachan			Mark.Strachan@fusion-jv.com
Michael Owen	Big Shape 18 Lead, C23	07752 864 562	Michael.Owen@fusion-jv.com
Mike Perkins	Calvert/ C3 Area Lead Security Advisor	07876 185 790	Mike.Perkins@fusion-jv.com
Milan Mladenovic	Project Manager	07976 534 215	Milan.Mladenovic@fusion-jv.com
Monray Dodgen	Assistant Project Manager C3	07814 770 649	Monray.Dodgen@fusion-jv.com
Nick Finch	HERDS Manager C3	07800 635 273	Nick.Finch@fusion-jv.com
Rachel McDonald	Ecology Manager	07817 896 124	Rachel.mcdonald@fusion-jv.com
Richard Laws	Sector Ecologist	07817 431 131	Richard.Laws@fusion-jv.com
Ryan Sammons	Security Advisor		Ryan.Sammons@fusion-jv.com
Shaun Stewardson			Shaun.Stewardson@fusion-jv.com
Simon Mackrell			Simon.Mackrell@fusion-jv.com
Steve Blakemore	Commercial Manager	07771 834 064	Steve.Blakemore@fusion-jv.com

Name	Role	Phone	Email Address
Steven Evans	Shape Lead	07971 674 178	Steven.Evans@fusion-jv.com
Tara Nourshargh	Project Engineer BS21	07467 116 683	Tara.Nourshargh@fusion-jv.com
William Dunster	H&S Advisor	07702 116 283	william.dunster@fusion-jv.com
Yogesh Bhatt	Shape Lead BS21	07886 002 890	Yogesh.Bhatt@fusion-jv.com

6 Health, Safety and Environment Management

6.1 Health and Safety Values

6.1.1 INFRA represent two well-established archaeological companies with a reputation for safety within the world of infrastructure development.

6.1.2 Safety is a core HS2 Ltd value, and INFRA share that commitment.

6.1.3 The HS2 Health and Safety Strategy (Document: HS2-HS2-HS-STR-000-000002) describes HS2's approach, vision, mission, and values with respect to health and safety, and has been wholly adopted by INFRA.

6.1.4 All archaeological works will be undertaken in accordance with Fusion's Health and Safety Policy (Document No. HS2-HS2-HS-POL-000-000001), the policies and guidance set out in the Enabling Works, Works Information (WI0900) and Fusion's Health and Safety Policy and Construction Phase Health and Safety Plan, which INFRA have also adopted.

6.2 Risk Assessment and Method Statement

6.2.1 Infra has prepared a Risk Assessment and Method Statement (Doc Ref: 1EW03-FUS_IFA-HS-MST-C000-000001), which provides a summary of the identified health, safety, ecological and environmental constraints and the planned control measures for the surveys and test-pitting.

6.2.2 No ground intervention or other survey will be made without approval of Infra's RAMS by Fusion accompanied by a Fusion approved Permit to Break Ground.

6.3 Site Inductions

6.3.1 New operatives will meet Fusion's latest induction criteria (18/08/2020), prior to mobilising to site:

6.3.2 New operatives programmed to work in areas under the custodianship of Effiage Kier Ferrovial BAM Joint Venture (EKFB), will undertake EKFB's induction and obtain an EKFB induction card, prior to mobilising to site.

6.3.3 At both inductions, safety critical operatives will be required to undertake a mandatory drugs and alcohol test. A random selection of non-safety critical operatives will also be tested.

6.3.4 Site operatives will receive a site-specific induction prior to working on site and daily briefings. Signed copies of the induction and briefings will be provided to Fusion.

6.4 PPE

6.4.1 Mandatory PPE is listed in Table 7.

Table 7: Mandatory PPE

Equipment description	**Specification** (e.g. type, grade)	**Training required**
Hard Hat	BS EN 397:1995	Covered by induction
Safety Boots with ankle support	EN 345	Covered by induction
Hi-Vis Long Sleeve Jacket	GO/RT/3297 and BS EN 471:2003 class 3 /	Covered by induction
Hi-Vis Trousers	GO/RT/3297 and BSEN471:2003 class 1	Covered by induction
Light eye protection	BS EN 166F (where F = low energy impact 45 m/s) will be used. This may take the form of safety spectacles or a visor.	Covered by induction
Safety Gloves	BSEN 388 4121	Covered by induction
Other:		

6.4.2 Specific low-risk tasks, such as production of records or photography, may be undertaken without gloves or eye protection.

6.5 Site Specific Constraints

6.5.1 A summary of the identified constraints is provided in Table 7.

Table 8: Site-specific constraint

Package	**Fusion GIS ID**	**SAP Number**	**Fields**	**Ecological Constraints Present**	**Utilities Constraints Present**	**Ancient Woodland**	**Other Constraints**
AC210	C21044	Pending	F08_0032	No	Yes	No	

Package	Fusion GIS ID	SAP Number	Fields	Ecological Constraints Present	Utilities Constraints Present	Ancient Woodland	Other Constraints
			F08_0035	No	Yes	No	
			F08_0036	No	Yes	No	
			F08_0039	No	Yes	No	
			F08_0043	Yes	Yes	No	
			F08_0045	Yes	Yes	Yes	
			F08_0048	No	Yes	No	
			F08_0051	No	Yes	No	
AC210	C21043	Pending	F08_0071	Yes	Yes	Yes	
			F08_0074	Yes	Yes	No	
	C21042	Pending	F08_0082	Yes	Yes	No	
			F08_0085	Yes	Yes	No	
AC210	C21041	Pending	F09_002	Yes	Yes	No	
			F09_005	Yes	Yes	No	
			F09_0007	Yes	Yes	No	
	C21040	Pending	F09_0012	No	Yes	No	
			F09_0013	No	N	No	
			F09_0015	No	Yes	No	
			F09_0016	No	Yes	No	
	C21039	Pending	F09_0023	Yes	Yes	No	
			F09_0024	Yes	Yes	No	
			F09_0027	Yes	Yes	No	
AC210	C21038	Pending	F09_0118	No	Yes	No	
			F09_0110	No	Yes	No	
AC240	C24011	Pending	F12_0018	No	Yes	No	
			F12_0011	No	Yes	No	
			F12_0017	No	Yes	No	
			F12_0019	No	Yes	No	
AC250	C25105	Pending	F13_0056	Yes	Yes	No	
	C25104	Pending	F13_0120	Yes	Yes	No	
			F13_0119	Yes	Yes	No	Bucks Local Wildlife Centre: Grendon and

Package	Fusion GIS ID	SAP Number	Fields	Ecological Constraints Present	Utilities Constraints Present	Ancient Woodland	Other Constraints
							Dodderwill Meadows
			F14_0008	Yes	No	No	
AC250	C25103	Pending	F14_0054	Yes	Yes	Yes	
			F14_0059	Yes	Yes	Yes	
AC250	C25102	Pending	F16_0037	Yes	Yes	No	Bucks Local Wildlife Centre: Cowley Farm
			F17_0002	Yes	Yes	No	
			F17_0004	Yes	Yes	No	
			F16_0043	Yes	Yes	No	
AC250	C25101	Pending	F18_0009	Yes	Yes	No	
			F18_0010	Yes	Yes	No	
			F18_0011	Yes	Yes	No	
			F18_0005	Yes	Yes	No	
AC250	C25100	Pending	F18_0051	Yes	Yes	No	
			F18_0055	Yes	Yes	No	
AC250	C25099	Pending	F19_0072	Yes	Yes	No	
AC250	C25098	Pending	F20_0013	Yes	Yes	No	
			F20_0028	Yes	Yes	No	

6.5.2 Further details, including control measures is provided in the RAMS for fieldwalking (Doc Ref: 1EW03-FUS_IFA-HS-MST-CS04_CL19-000001), test-pitting (Doc Ref: 1EW03-FUS_IFA-HS-MST-C000-000001) and the Site Specific SAPs.

Site vehicles

6.5.3 Site vehicles and equipment operated by INFRA will be physically inspected, along with the required documentation and records of daily/weekly inspections, including fault reporting, will be maintained.

6.5.4 Fusions vehicle management system (VMS) sheet (PET1 FRM) will be completed for each vehicle entering and leaving the Site,

6.5.5 A vehicle safety check sheet (VSCS) will be completed for each item of plant and HGV that enters the Site,

- Both the VMS and VSCS will be completed daily and sent to Fusions Logistics

(logistics@fusion-jv.com) by 4.30pm.

6.5.6 Details of equipment operators will be maintained by INFRA and evidence of periodic checks that the equipment has been adequately calibrated and maintained will be obtained from suppliers.

Environment

6.5.7 The following precautions will be taken:

- There will be no damage made to any vegetation unless specified by the site clearance scope.
- Field gates/fences to be secured and left in the same condition as found.
- No litter to be abandoned on site; all waste will be removed by a licenced waste transferral
- Noise will be kept to a minimum

Water

6.5.8 INFRA will ensure that if there is a need to discharge water that this is done in accordance with Fusion's environmental protection requirements. Fusion will be responsible for monitoring discharge rates and, if necessary, conductivity of discharge water to ensure compliance.

Contaminated ground

6.5.9 If material is excavated that is deemed to be contaminated or potentially contaminated it will be investigated, controlled (e.g. placed separately from clean material) and removed from the Site in accordance with Fusions environmental protection requirements (as set out in the Environmental Management Plan)and the RAMS (Doc Ref: 1EW03-FUS_IFA-HS-MST-C000-000002). Incident reports will be submitted within 24 hours to Health and Safety.

6.6 Site Safety and Security

6.6.1 Following site set-up, all works will be conducted in accordance with Fusions requirements and the safe methods of work described in the RAMS.

6.6.2 In addition to the Site induction, INFRA's site supervisor will give daily start of shift briefings and will maintain a record of site attendance for each day that there is a team in the field.

6.6.3 Plant, vehicles and equipment will only be stored overnight or at weekends at Secure Welfare Facilities (SWFs). Parking areas using plastic Euromats may be left overnight or at weekends at sites without SWFs.

6.7 Deep stratigraphy

6.7.1 In areas of deep stratigraphy (>1.2m), each intervention will be appropriately shored or stepped and kept free of water to allow 'person entry' to the excavations. Works within deep

stratigraphy will only be undertaken in accordance with a Temporary Works Design approved by Fusion's Temporary Works Manager and in compliance with the Fusions Technical Standard (HS2-HS2-CV-STD-000-000005), the Mitigation RAMS and the Permit to Break Ground.

6.7.2 Within alluvial or colluvial sequences INFRA will pay attention to establishing the vertical extent of layers of archaeological potential and will be aware that horizons of cultural activity may be interdigitated with horizons of sterile material. INFRA will supervise the excavation of any interventions into such material in such a manner to allow a cumulative or continuous section to be recorded.

6.8 Accident and Incident Reporting

6.8.1 Accident and incident reporting will follow the guidance and procedures set out in HS2 Ltd Works Information and Fusions Standard for Accident and Incident Investigation and Reporting (Document No. SH2 STD1) and Incident & Emergency Preparedness Plan (Document No. 1EW03-FUS-HS-PLN-C000-000001). INFRA's RAMS include a clear procedure for responding to an incident and list of emergency contacts including Fusion's Duty Manager and SHEQ Manager.

Core Working Hours

6.8.2 The core working hours are from 08:00 to 18:00 on weekdays (excluding public holidays).

6.8.3 A period of up to one hour before and up to one hour after core working hours may be utilised for start-up and close of activities. Start-up and close activities will not include operation of plant or machinery likely to cause a disturbance.

Welfare and First Aid

6.8.4 INFRA will provide adequate welfare and first aid in line with Fusion's Integrated Management System (IMS) standards and guidance.

6.8.5 Centralised SWFs will be installed at five locations along the route – Turweston (C25098), Widmore Farm, Cowley farm (C25102), Doddershall (C25104) and Rocky Lane south (Table 8).

6.8.6 Welfare will be supplemented locally using Garic welfare vehicles.

6.8.7 The field team will include a trained First aider. First Aid kits will be located at the SWFs and in each works vehicle.

Table 9: Welfare provision and travel distance/time by site

Site	SWF	Postcode	Distance	
			Time	Miles
C21038	SWF 1	HP17 0TQ	4 mins	7
C21039	SWF 1	HP22 6PN	2 mins	0.8

Site	SWF	Postcode	Distance	
			Time	Miles
C21040	SWF 1	HP22 6PR	2 mins	0.8
C21041	SWF 1	HP22 6PN	0 mins	0
C21042	SWF 1	MK22 6PX	3 mins	1.3
C21043	SWF 1	HP16 9LT	6 mins	3.3
C21044	SWF 1	HP16 9LT	6 mins	3.3
C24011	SWF 2	HP18 0QB	16 mins	8
C25098	SWF 5	NN13 5JG	0 mins	0
C25099	SWF 5	NN13 5RW	12 mins	4.8
C25100	SWF 4	MK18 4AZ	0 mins	0
C25101	SWF 4	MK18 4LA	5 mins	1.7
C25102	SWF 3	MK18 4DR	0 mins	0
C25103	SWF 2	MK18 2HA	13 mins	6.5
C25104	SWF 2	HP22 4DE	0 mins	0
C25105	SWF 2	HP22 4DG	10 mins	2.6

Emergencies

6.8.8 A designated point or points (normally the site access point(s) from the public highway) will be assigned to each site to which emergency services can mobilise if there is an emergency. The emergency locations are identified by postcodes and What3words in Appendix 5. Plans showing these emergency points are presented in Appendix 8 of the RAMS.

6.8.9 The Site address and the route to the nearest accident and emergency hospital will be displayed in all welfare facilities (SWF and Garic welfare vehicles). Plans showing the routes to the nearest hospitals are included in Appendix E of the RAMS (Doc. Ref: 1EW03-FUS_IFA-HS-MST-CS04_CL19-000001).

6.8.10 Fire extinguishers will be in welfare units and excavators. A klaxon or similar alarm will be provided in the event of fire and the muster point will be identified at the perimeter of the compound (and detailed in the induction).

7 Interface and Communication Plan

7.1.1 All parties will follow the Employer's protocols for intra- and inter-project communication.

7.1.2 INFRA will liaise with Fusion to ensure the compatibility of the investigations with the following:

- Detailed scheme design: issues related to the works of other HS2 Contractors and Sub-Contractors or others
- Programme sequence for handover parts of the sites to other contractors.
- Health and Safety arrangements.
- Temporary works and logistical arrangements carried out by the sub-contractor or others.
- INFRAs approach to communications with other contractors, local community, landowners and the general public.

7.1.3 Upon completion of the fieldwork, a site sign-off meeting will be held between INFRA and Fusion to confirm that all works have completed, and the site reinstated to satisfactory standard. This will be recorded on the Fieldwork Sign Off Sheet in Appendix C of the Project Plan.

7.1.4 Photographic evidence of site conditions before and after the works will be recorded.

8 Site Monitoring and Engagement Plan

8.1.1 INFRA will produce a programme of weekly-written progress reports and periodic progress meetings with Fusion's Historic Environment Manager and will be represented at such meetings to the satisfaction of Fusion.

8.1.2 INFRA will provide information describing progress on-site to date and feedback from any initial assessment.

8.1.3 Where required, Fusion's Historic Environment Manager will arrange site visits with specialist stakeholders and expert bodies to provide advice on-site where this is considered beneficial and agreed with HS2 Ltd.

8.1.4 This will be undertaken within HS2 Ltd communication protocols set out in HS2 Ltd Community Relations Strategy.

8.1.5 Periodic updates on the progress of the Area Central Enabling Works archaeology programme will be submitted to HS2 Ltd and Buckinghamshire County Archaeology Service (BCAS) by Fusion's Historic Environment Manager.

8.1.6 INFRA will provide information to Fusion's Historic Environment Manager as requested to inform this reporting.

8.1.7 Fusion's Historic Environment Manager will arrange and convene monitoring site visits with HS2 Ltd to assess the quality and progress of the archaeological works and their adherence to HS2 technical standards and procedures.

8.1.8 HS2 Ltd may invite Buckinghamshire County Archaeology Service (BCAS) to attend these meetings, as appropriate. Fusion will be responsible for informing HS2 Ltd, Historic England and the local authority historic environment specialists on the progress of fieldwork activities and findings.

8.1.9 HS2 Ltd may plan and host media events or documentary recording, particularly in the event of a significant archaeological discovery. If requested to do so, INFRA will provide the HS2 media team with escorted access to the Site. Any request for media access will be confirmed in advance, in writing, by Fusion's Historic Environment Manager.

8.1.10 Any visits to the works will be in accordance with Fusion's health and safety, site access and security requirements.

8.1.11 There will be no unauthorised access to the works in any other circumstances.

9 Quality Assurance Processes and Plan

9.1.1 All archaeological works will be delivered in accordance with Fusion's AWH Quality Plan (ref. 1EW03-FUS-QY-PLN-C000-001658) and the standards and guidance set out in the following documents:

- High Speed Rail (London–West Midlands) Environmental Minimum Requirements.
- High Speed Rail (London–West Midlands) Environmental Minimum Requirements Annex 3: Heritage Memorandum (Document No. CS755 02/17).
- High Speed Rail (London–West Midlands) Environmental Minimum Requirements Annex 1: Code of Construction Practice (Document No. CS755 02/17).
- HS2 Generic Written Scheme of Investigation: Historic Environment Research and Delivery Strategy (Document No. HS2-HS2-EV-STR-000-000015).
- HS2 Technical Standard: Specification for Historic Environment Investigations. (Document No. HS2-HS2-EV-STD-000-000035).
- HS2 Technical Standard: Historic Environment Physical Archive Procedure (Document No. HS2-HS2-EV-STD-000-000039).
- HS2 Technical Standard: Historic Environment Digital Data Management and Archiving Procedure (Document No. HS2-HS2-EV-STD-000-000040).
- HS2 Cultural Heritage GIS Specification (Document No. HS2-HS2-GI-SPE-000-000004).
- Chartered Institute for Archaeologists (CIfA), 2014a. Code of Conduct.
- CIfA, 2014b. Standard and Guidance for Archaeological Field Evaluation.
- Historic England, 2015. Management of Research Projects in the Historic

Environment (and associated guides and project planning notes).

- Historic England, 2015. Geoarchaeology: Using earth sciences to understand the archaeological record.
- English Heritage, 2011. Environmental Archaeology: A guide to the Theory and Practice of Methods, from Sampling and Recovery to post-excavation (second edition).

9.1.2 The quality assurance process for the works will be detailed in the project Inspection and Test Plan (ITP) (Doc. Ref. 1EW03-FUS_IFA-QY-PLN-C000-000001) which will be implemented as per Infra's Subcontractor Quality Management Plan (Doc. Ref. 1EW03-FUS-QY-PLN-C000-009725). ITPs are a means of ensuring work processes are checked at pre-determined intervals against known criteria with all the relevant personnel in attendance.

9.1.3 As a minimum, the ITP will include activities and processes, control/ acceptance criteria, inspection frequency, inspection personnel, required documentation/ records and stakeholder involvement levels.

9.1.4 Compliance will be measured by the Contractor through a combination of on-site and off-site inspections.

9.1.5 INFRA's RAMS will be implemented only once they have been approved by Fusion.

9.1.6 The Operations Director will be a full Member of the Chartered Institute of Field Archaeologists (CIfA).

9.1.7 All members of the INFRA's site team will be suitably qualified, experienced and competent professionals.

- All site operatives will hold a current and valid CSCS qualification to at least 'Operative' level.

9.1.8 The interim and final reports will be prepared and conducted by suitably qualified, experienced and competent professionals.

- The resultant reports will be issued in draft to Fusion, whose Historic Environment Manager will check and review each report prior to issue to HS2 Ltd for acceptance.
- Final reports, following comments, will be checked and reviewed prior to issue.

10 Resource Plan

10.1.1 Infra's leadership team are listed in Table 9.

Table 10: Infra's Leadership Team

NAME	ROLE
Annemarie Gaunt	Geomatics Manager
Ciaran Feeney	Project Officer
Chris Griffiths	Project Supervisor
David Bonner	Operations Director
Francesca Giarelli	Project Supervisor
Graham Cruse	Operations Manager
Hayden Dunn	Surveyor
Louis Stafford	Contracts Site Manager
Marcela Szalanska	Survey Officer
Mark Collard	Project Director
Mary Lutescu-Jones	Project Officer
Matt Smithson-Shaw	Project Supervisor
Mike Wood	Geomatics Manager/
Nick Wells	Project Officer
Nick Watson	Geo-archaeologist & Mollusc Specialist
Patricia Long	Commercial Director
Simon Roper	Contracts Manager Post-Excavation
Victoria Rees	Post-Ex Manager

10.1.2 Infra's specialists who may visit the Site and perform laboratory works are listed in Table 10.

Table 11: List of Specialists

NAME	ROLE
Barry Cosham	Metallurgist
David Booker-Smith	Met Consultancy Group

Derek Hurst	Ceramics Specialist
Ian Rowlandson	Ceramics Specialist
Jacqui Hutton	Finds Officer
Jane Timby	Late prehistoric and Roman ceramics
Katie Faillace	Osteo-archaeologist
Malin Holst	Osteo-archaeologist
Mike Wood	Post-Medieval Finds Specialist
Nick Watson	Geo-archaeologist & Mollusc Specialist
Peter Wilkins	Ruskins Tree Consultancy
Pieta Greaves (Drakon Conservation)	Conservator
Prof. Kevin Leahy	Artefacts Specialist
Richard Madgwick	Animal Bone Specialist
Robert Howard	NTRDL
Rob Hedge	Lithics Specialist
Rose Calis	Osteo-archaeologist
Toby Martin	Metalwork
Val Fryer	Palaeo-environmentalist

10.1.3 The fieldwalking will be undertaken by a team of up to five persons including one SSSTS qualified supervisor and one surveyor

10.1.4 The test pitting will be undertaken by four teams of up to five persons including one SSSTS qualified supervisor and one surveyor

10.1.5 The functional relationships of the leadership team and core team are shown on Infra team organogram (Appendix 4).

11 References

Title	Reference
CIfA 2014 Standard and guidance for archaeological field evaluation. Chartered Institute for Archaeologists	CIfA 2014

Title	Reference
Environmental Archaeology: A Guide to the Theory and Practice of Methods, from Sampling and recovery to Post-excavation (2nd ed.). Historic England	Historic England Guidance, 2011
Fusion AWH Works Package 1 Quality Plan	1EW03-FUS-QY-PLN-C000-001658
Fusion Construction Phase Health and Safety Plan	1EW03-FUS-HS-PLN-C000-000053
Fusion Incident & Emergency Preparedness Plan	1EW03-FUS-HS-PLN-C000-000001
Fusion Standard for Accident and Incident Investigation and Reporting	1EW03-FUS-HS-PLN-C000-000001
Geoarchaeology: Using earth sciences to understand the archaeological record	Historic England Guidance, 2015b
Harris, E C 1989 Principles of Archaeological Stratigraphy (2nd ed.) Academic Press	Harris 1989
Hey, G and Lacey, M 2001 Evaluation of archaeological decision-making processes and sampling strategies. Kent County Council	Hey, G and Lacey, M 2001
High Speed Rail (London-West Midlands) Environmental Minimum Requirements Annex 3: Heritage Memorandum	CS755 02/17
High Speed Rail (London-West Midlands) Environmental Minimum Requirements Annex 1: Code of Construction Practice	CS755 02/17 HS2
HS2 Country South Utility Drawing, Sheet 20	C222-ATK-UT-DPL-020-207700-FPD
HS2 Enabling Works Information WI0200 General Constraints	1E001-HS2-PR-ITT-000-000098
HS2 Ltd, 2015. Heritage Risk Model Phase 1 Review 2014 - Volume I	C253-ATK-EV-REP-000-000002
HS2 Technical Standard: - Route wide soil resources plan	HS2-HS2-EV-STD-000-000008
HS2 Technical Standard: – Temporary Works	HS2-HS2-CV-STD-000-000005
HS2 Technical Standard: Cultural Heritage GIS Specification	HS2-HS2-GI-SPE-000-000004
HS2 Technical Standard: Generic Written Scheme of Investigation: Historic Environment Research and Delivery Strategy	HS2-HS2-EV-STR-000-000015
HS2 Technical Standard: Historic Environment Digital Data Management and Archiving Procedure	HS2-HS2-EV-STD-000-000040

Title	Reference
HS2 Technical Standard: Historic Environment Physical Archive Procedure	HS2-HS2-EV-STD-000-000039
HS2 Technical Standard: Specification for historic environment investigations	HS2-HS2-EV-STD-000-000035
HS2 Technical Standard: Specification for Project Plans and Location Specific Written Scheme of Investigations	HS2-HS2-EV-STD-000-000036
Management of research projects in the historic environment (and associated guides and planning notes)	Historic England Guidance, 2015a
Managing Lithic Scatters and Sites: archaeological guidance for planning authorities and planners (Case study 2). Historic England, London.	Champness, Carl 2019
Phase One Environmental Statement, Supplementary Environmental Statements Trial Trench Evaluation and Geophysical Survey Reports	ES 3.5.2.13.7 C252-ETM-EV-REP-020-000263_P02 EW03-FUS-EV-REP-CS06_CL09-007287 1EW03-FUS-EV-REPCS06_CL09-000001
Risk Assessment Method Statement for Assessment and Investigation of No-Data (Blank) Areas by Test PItting	1EW03-FUS_IFA-HS-MST-C000-000001
Risk Assessment Method Statement for Assessment and Investigation of No-Data (Blank) Areas by Fieldwalking	1EW03-FUS_IFA-HS-MST-CS04_CL19-000001
Waterlogged Organic Artefacts: Guidelines on their Recovery, Analysis and Conservation. Historic England	Historic England Guidance, 2018

12 Glossary of Terms

12.1.1 The following terms have been used in this report:

12.1.2 **Archaeological Contractor** – INFRA, the organisation undertaking the specific historic environment works for the Contractor.

12.1.3 **Contractor** – Fusion; the organisation undertaking the Enabling Works for Area Central on behalf of the Employer.

12.1.4 **Detailed Desk Based Assessment (DDBA)** – analytical document that builds on the information gathered previously in the Environmental Statement to address issues, questions or uncertainties within a given area. It may be developed to provide a more detailed understanding of the resource in an area to inform design development or construction programming.

12.1.5 **Employer** – HS2 Ltd, the organisation responsible for delivery of HS2 Phase One Scheme and all terms and conditions, policies and procedures, and payments.

12.1.6 **Generic Written Scheme of Investigation: Historic Environment Research and Delivery Strategy (GWSI: HERDS)** – the framework for delivering all historic environment investigations undertaken as part of the HS2 Phase 1 programme.

12.1.7 **Location** – a specific HS2 worksite or group of worksites that are being addressed as a combined historic environment investigation programmed of assessment, evaluation and investigation.

12.1.8 **Location Specific Written Scheme of Investigation (LSWSI)** – specification document assembling one or more Project Plans within an area of land defined primarily for construction programme purposes. The LSWSIs will be agreed with the Project Manager and would provide a costed and programmed approach to delivering outcomes.

12.1.9 **Project Plans** – specification document for each specific package of activity (e.g. a survey, desk-based assessment, excavation, recording project). The plans would respond to the Specific Objectives set out in the GWSI: HERDS and be delivered within an agreed budget

12.1.10 **Works** – the specific historic environment assessment, evaluation or investigation works at each location.

12.1.11 The following abbreviations are used in this method statement:

- CAT – Cable Avoidance Tool
- RAMS – Risk Assessment and Method Statement
- SWF – Secure Welfare Facility

13 Appendices

Appendix 1: Project Plan

This LSWSI addresses a single Project Plan:

Document Title	Document Reference	Revision	Acceptance Status
AWHf - Project Plan for assessment and investigation of no data (blank) areas	1EW03-FUS-EV-REP-C000-009810	C04	For HS2 and Stakeholder Review

Appendix 2: Change Control Register

INFRA will maintain a register on Site of any change controls requested and their approval by Fusion.

Maintenance of this register will be the responsibility of the Site Manager.

CHANGE CONTROL REGISTER

Site Name		Site Code			
Change No.	Description	Type*	Date Requested	Fusion Approver	Approval Date

* RIS (Reduction in Scope), VIM (Variation in Methodology), RI (Rapid Investigation), EIA (Extention of Investigation Area)

Appendix 3: Figures

Figure 1: Site Location (one per site, numbered 1.1 to 1.14)

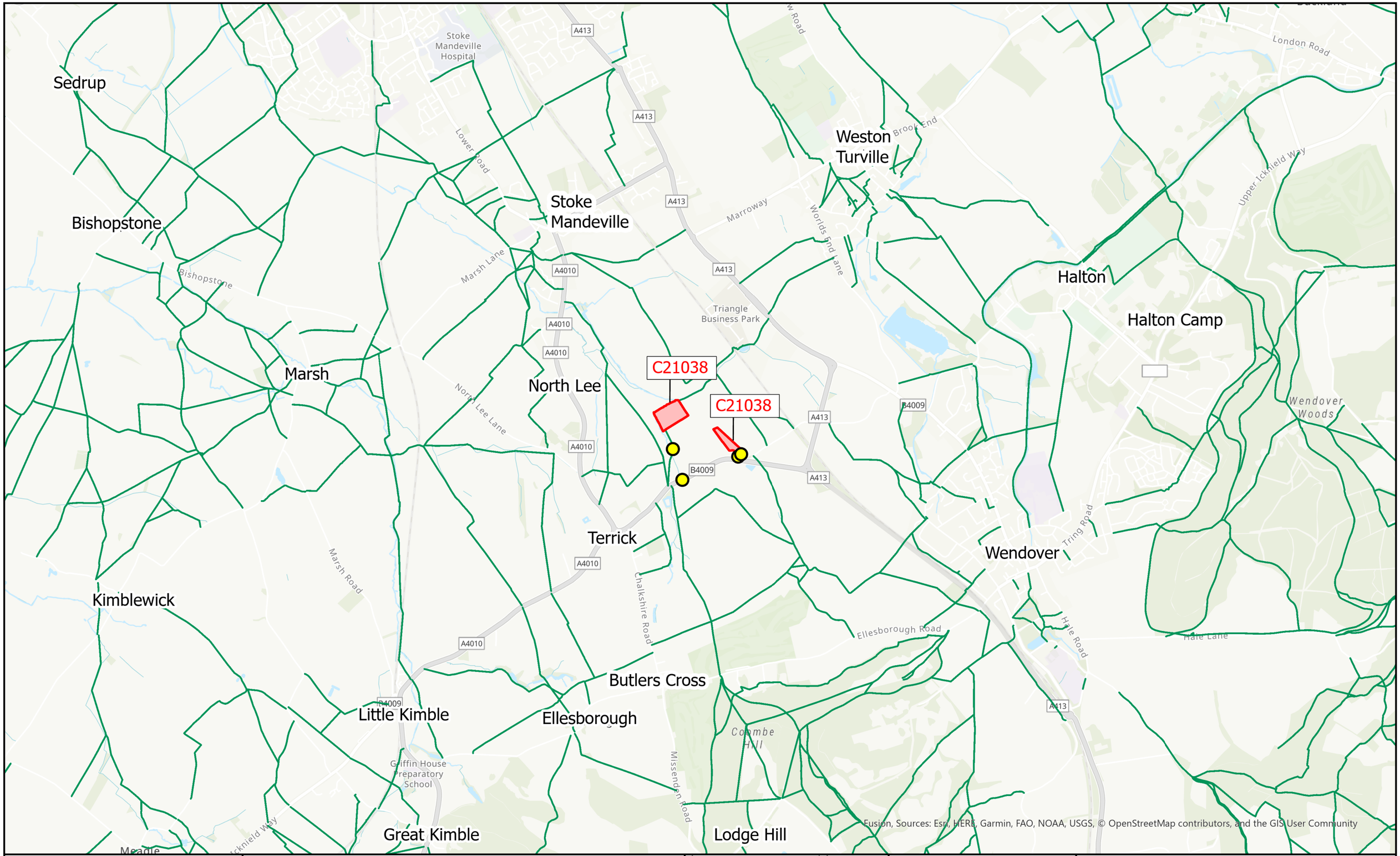
Figure 2: Site Logistics and Traffic Management Plan (one per site, numbered 2.1 to 2.14)

Figure 3: Utilities / Hazards Locations (one per site, numbered 3.1 to 3.14)

Figure 4: Test Pit and Fieldwalking Array (one per site, numbered 4.1 to 4.14)

C21038 North of Nash Lee

Figures 1-4



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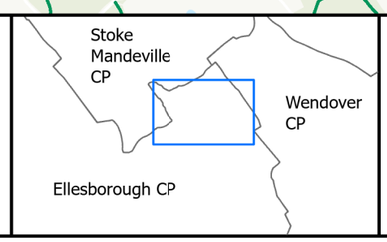
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- Public Rights of Way (Bucks)



High Speed Two

Figure 15.1
North of Nash Lee
Test Pit Evaluation Area
and Site Location

Published

HS2

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:25,000

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Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

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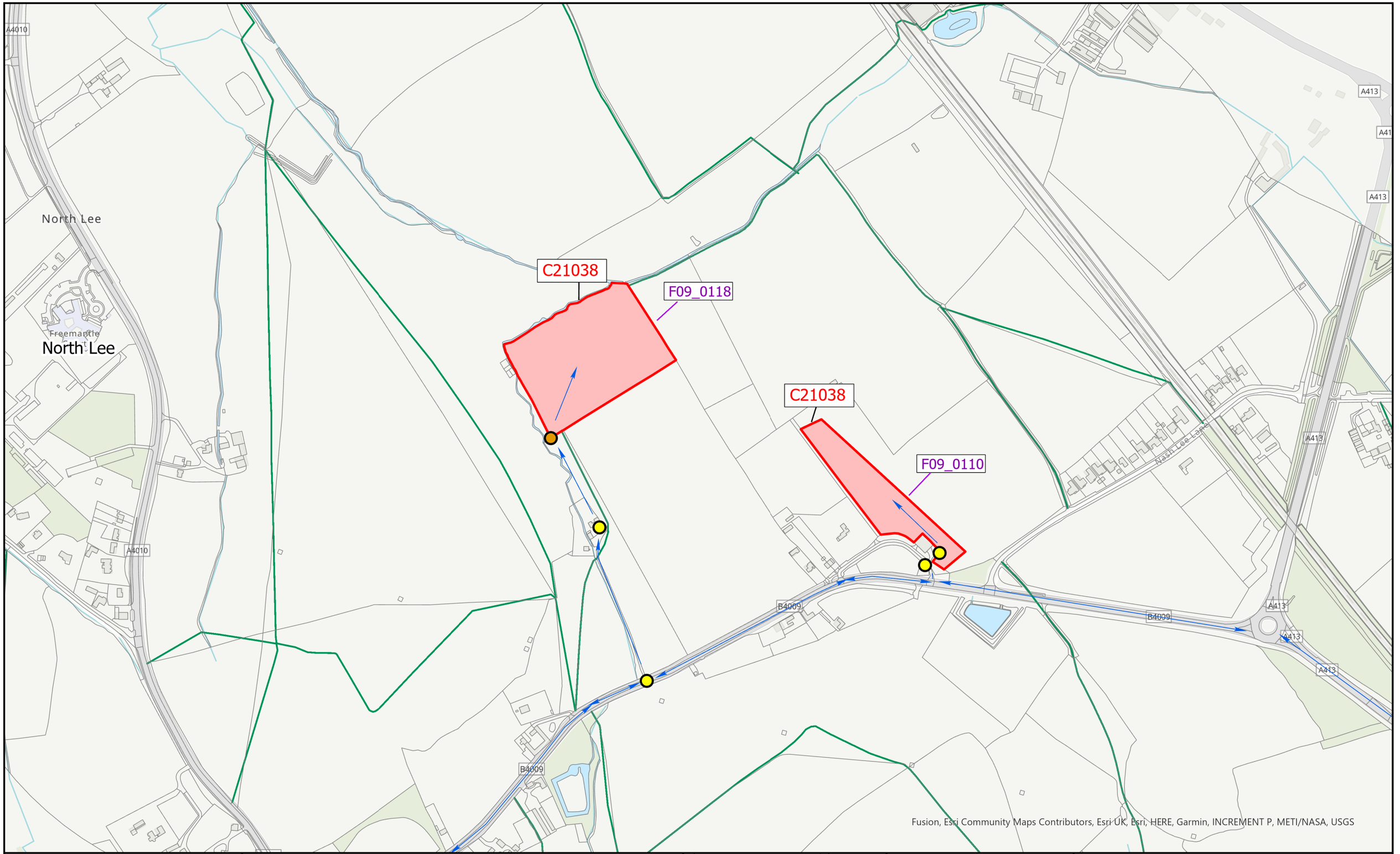

- Access Point and Garic Parking area
- Breakthrough Point
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- County boundaries
- Tracking Route
- Main Access Route

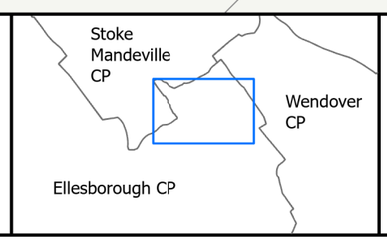

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Figure 15.2
North of Nash Lee
Site Logistics and
Traffic Management Plan

Published

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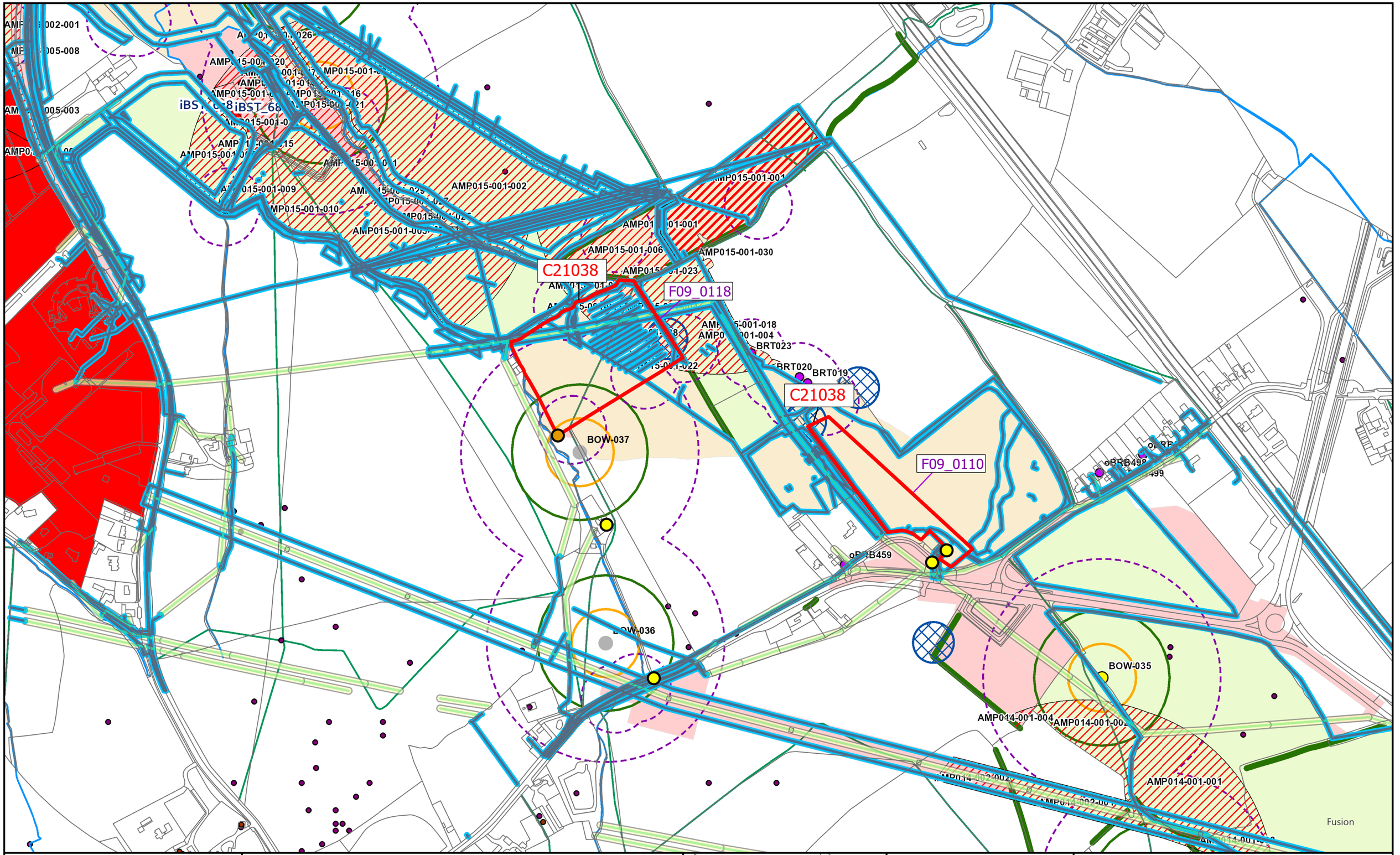

- Access Point and Parking area
- Breakthrough Point
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Site Boundary
- Public Rights of Way (Bucks)
- HER Events
- HER Monuments
- Important Hedgerow

Individual Tree
- A - High quality
- B - Moderate quality
- C - Low quality
- Exceptional Tree

GCNs
- Medium Population
- Small Population
- Tree Group
- Woodland
- Confirmed Bat Building
- Bat Building and Tree Roosts Disturbance Buffers (50m)
- BUCKS Biological Notification Sites

Barn Owls
- High
- Medium
- Low
- Barn Owl 50m buffer
- Barn Owl 100m buffer
- Ancient Woodland
- Ancient Woodland Buffer (100m)
- Badger Setts Disturbance Buffers (30m)

- Overhead Utilities
- Underground Utilities
- Underground Utilities Exclusion Zone (5m)
- Overhead Utilities Exclusion Zone (10m)
- Practical completion of PAS128 in field
- PAS128 partially complete in field
- No PAS128 data for field

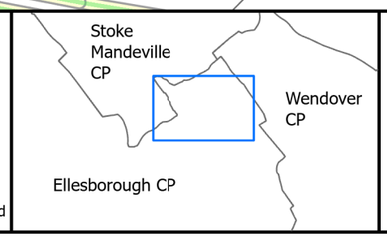

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Figure 15.3
Utilities and Hazard Locations: North of Nash Lee

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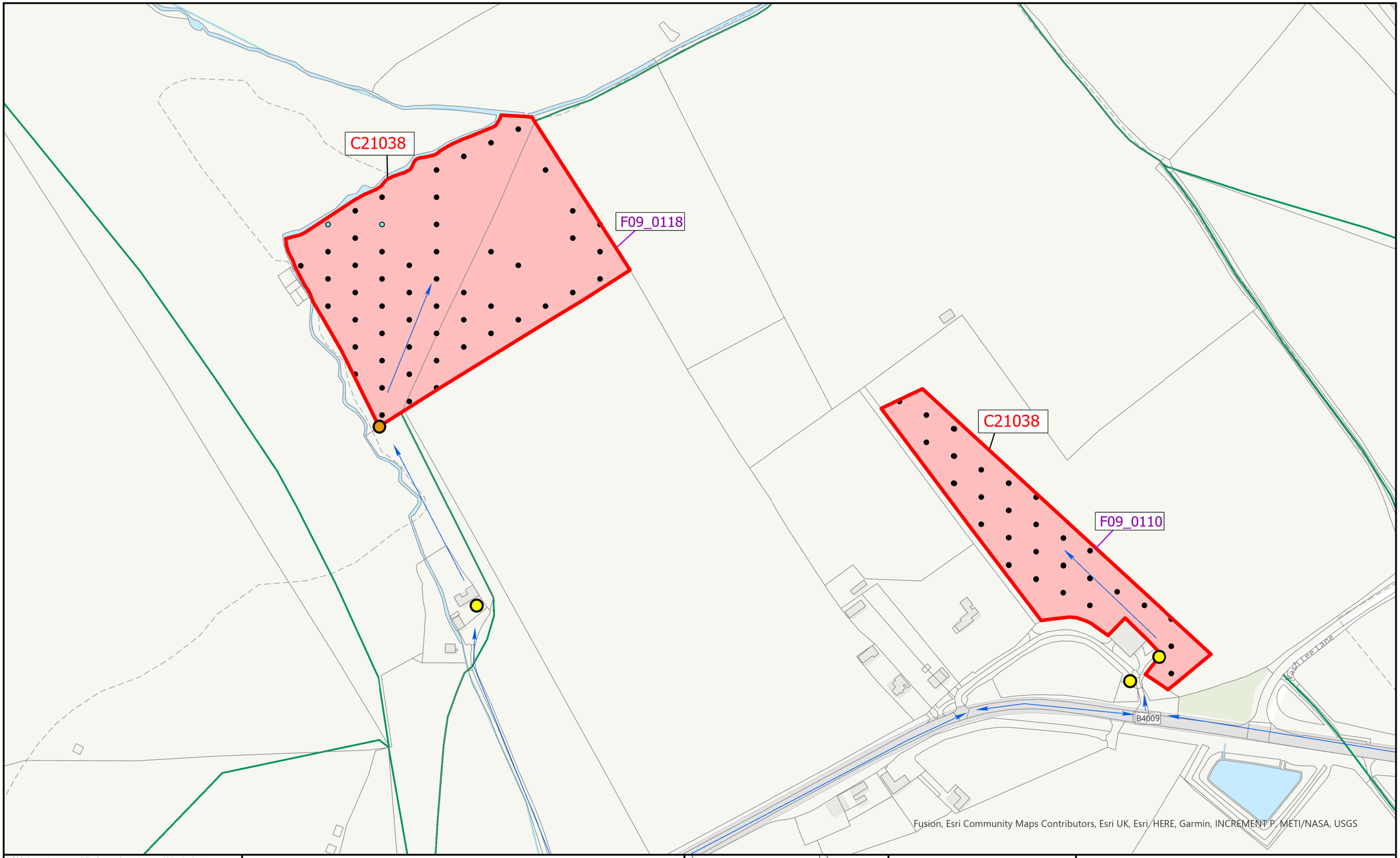

- Access Point and Garic Parking area
- Breakthrough Point
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- County boundaries
- Tracking Route
- Main Access Route
- Proposed Test Pits (Machine Excavated)
- Proposed Test Pits (Hand Excavated)

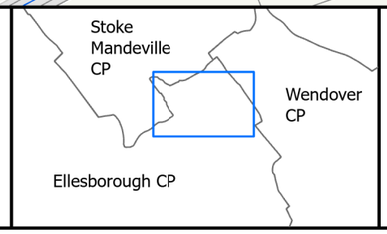

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Figure 15.4
North of Nash Lee
Evaluation Area
Test Pit Location

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Date: 16/10/20

C21039 Hartley Farm

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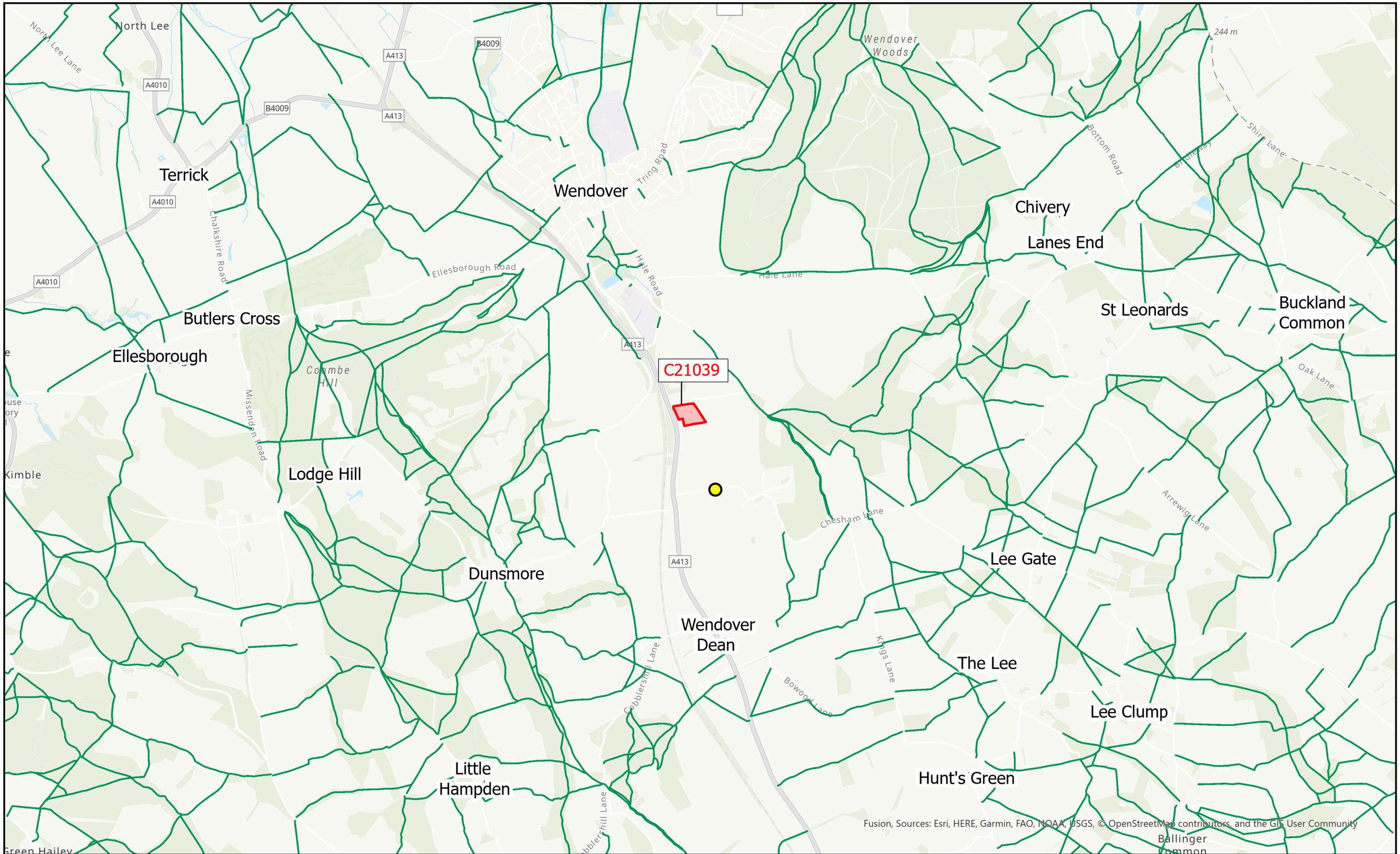

- Access Point and Garic Parking Area
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- Public Rights of Way (Bucks)

Wendover CP

High Speed Two

Figure 14.1
Hartley Farm
Test Pit Evaluation Area
and Site Location

Published

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Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

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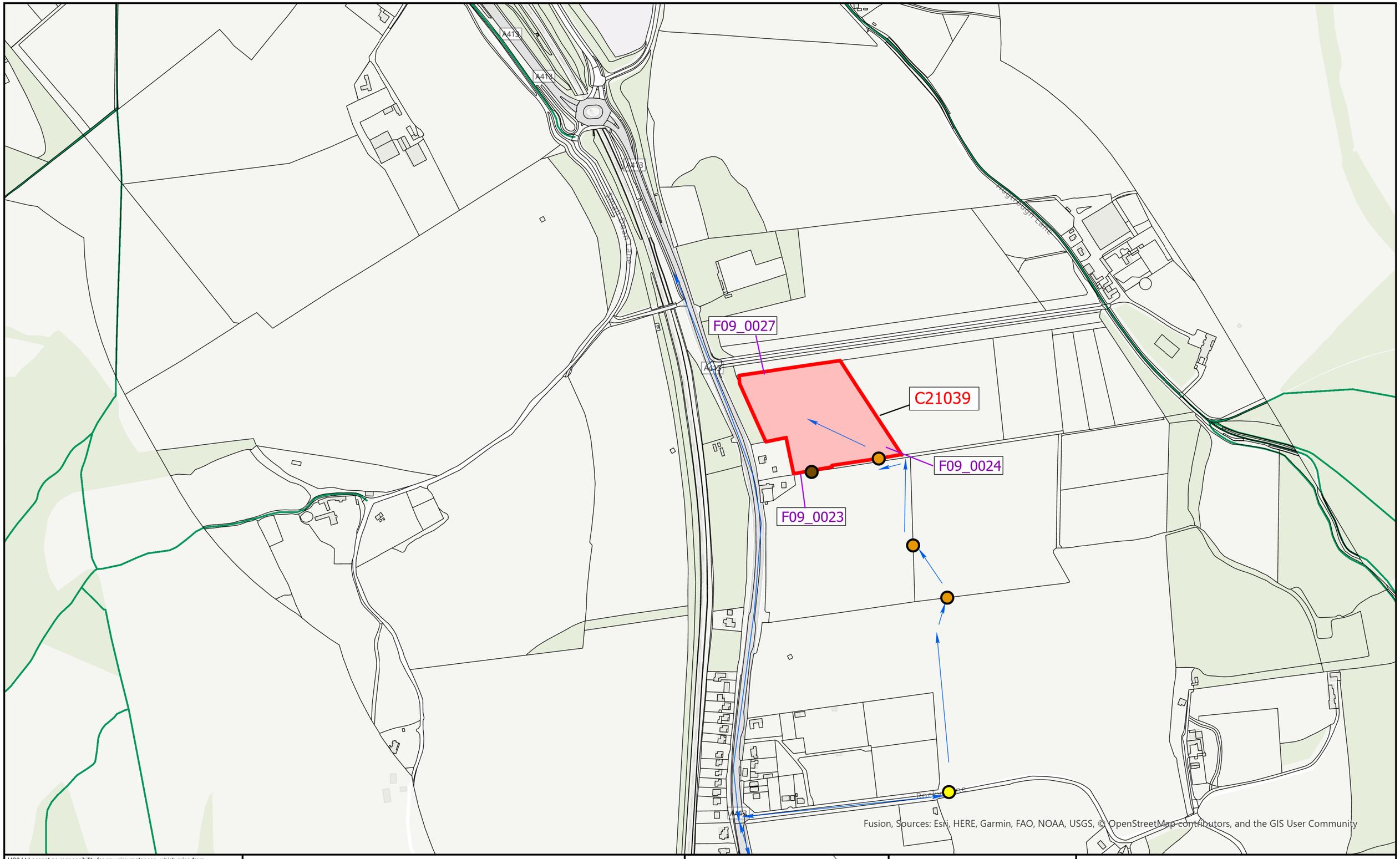

- Access Point and Garic Parking area
- Breakthrough Point
- Required Breakthrough Point
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- County boundaries
- Tracking Route
- Main Access Route

Wendover CP

High Speed Two

Figure 14.2
Hartley Farm
Site Logistics and
Traffic Management Plan

Published

HS2

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

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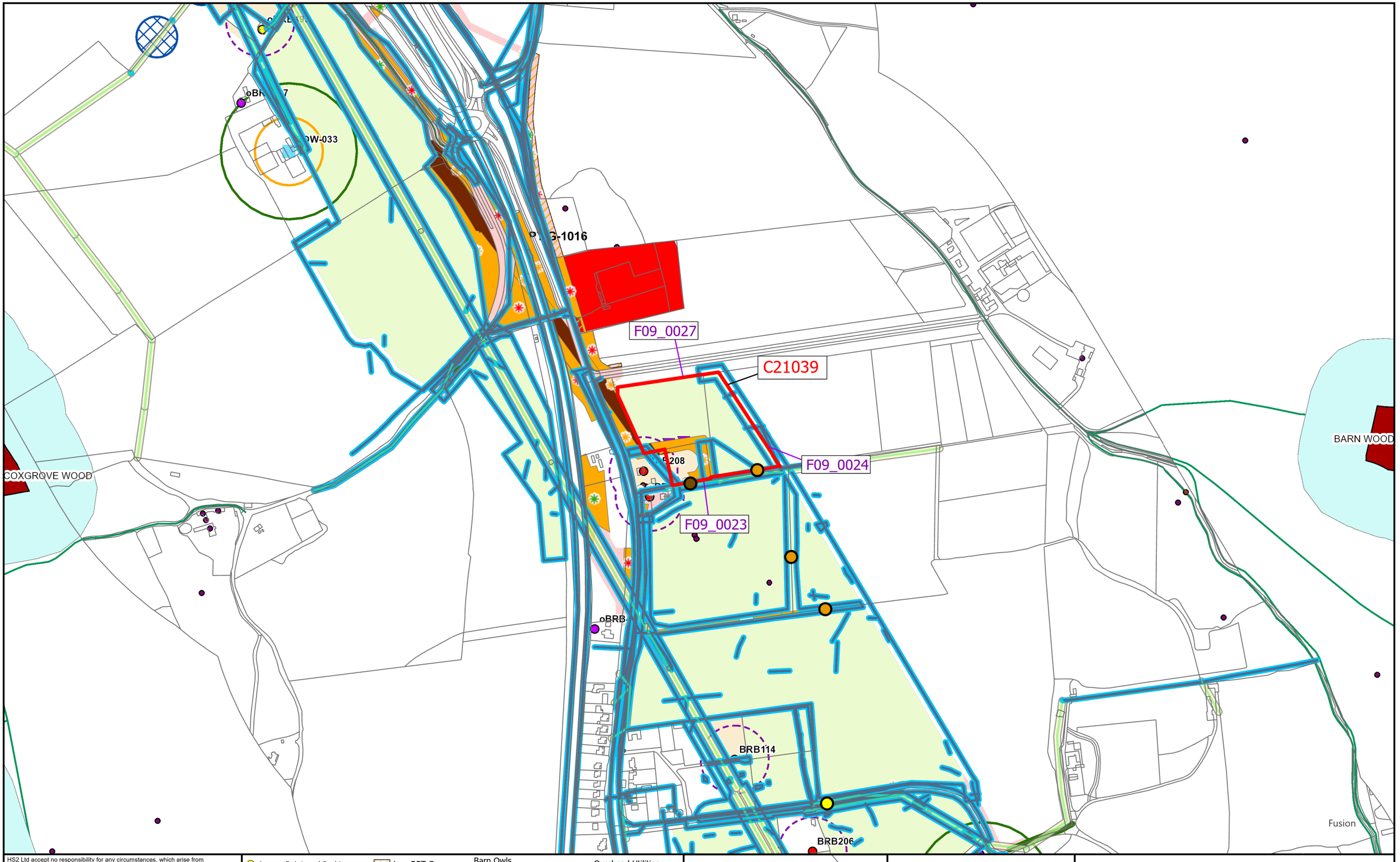

- Access Point and Parking area
- Breakthrough Point
- Required Breakthrough Point
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Site Boundary
- Public Rights of Way (Bucks)
- HER Events
- HER Monuments

Individual Tree
- A - High quality
- B - Moderate quality
- C - Low quality
- Exceptional Tree

- Low RPT Groups
- Tree Group
- Woodland
- Confirmed Bat Building
- Bat Building and Tree Roosts Disturbance Buffers (50m)
- Important Hedgerow
- BUCKS Biological Notification Sites

Barn Owls
- High
- Medium
- Low
- Barn Owl 50m buffer
- Barn Owl 100m buffer
- Ancient Woodland
- Ancient Woodland Buffer (100m)
- Badger Setts Disturbance Buffers (30m)

- Overhead Utilities
- Underground Utilities
- Underground Utilities Exclusion Zone (5m)
- Overhead Utilities Exclusion Zone (10m)
- Practical completion of PAS128 in field
- PAS128 partially complete in field
- No PAS128 data for field

Wendover CP

High Speed Two

Figure 14.3
Utilities and Hazard Locations: Hartley Farm

Published

HS2

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

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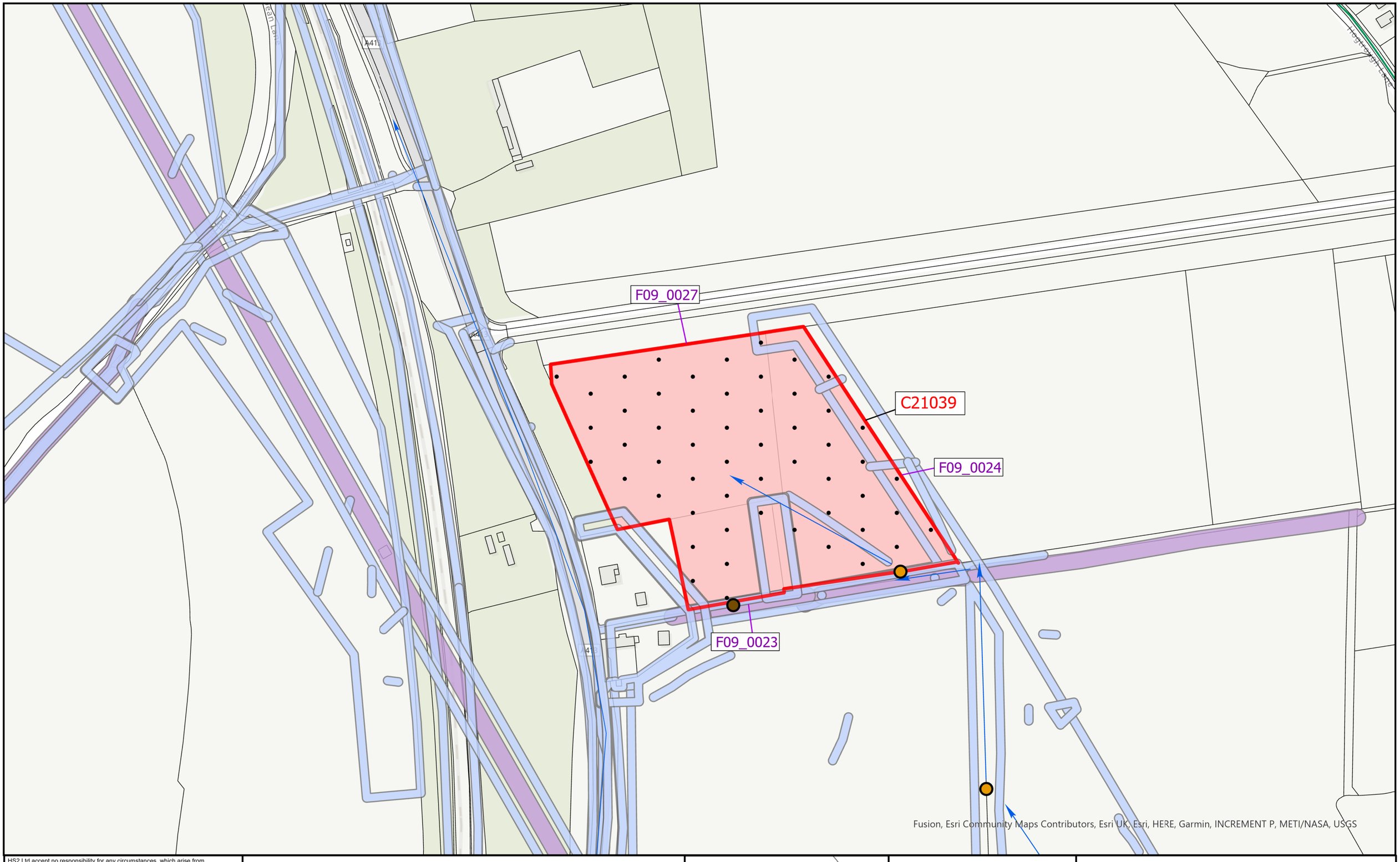

- Access Point and Garic Parking area
- Breakthrough Point
- Required Breakthrough Point
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- County boundaries
- Tracking Route
- Main Access Route
- Proposed Test Pits (Machine Excavated)
- Underground Services Exclusion Zone (5m)
- Overhead Services Exclusion Zone (10m)

Wendover CP

High Speed Two

Figure 14.4
Hartley Farm
Evaluation Area
Test Pit Locations

Published

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Date: 20/10/20

C21040 Hartley Farm

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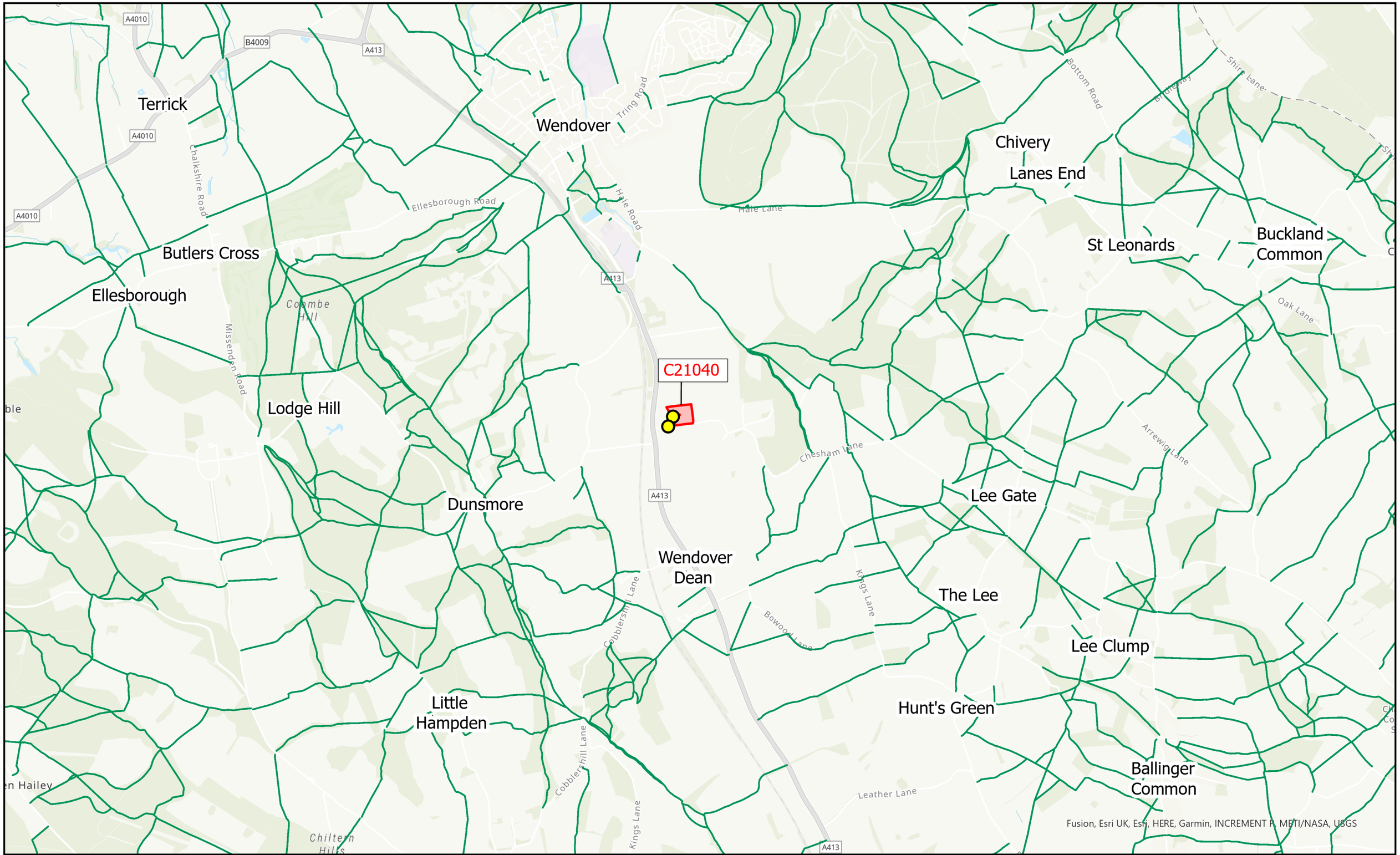

- Access Point and Garic Parking Area
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- Public Rights of Way (Bucks)

Wendover CP

High Speed Two

Figure 13.1
Hartley Farm
Test Pit Evaluation Area
and Site Location

Published

HS2

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

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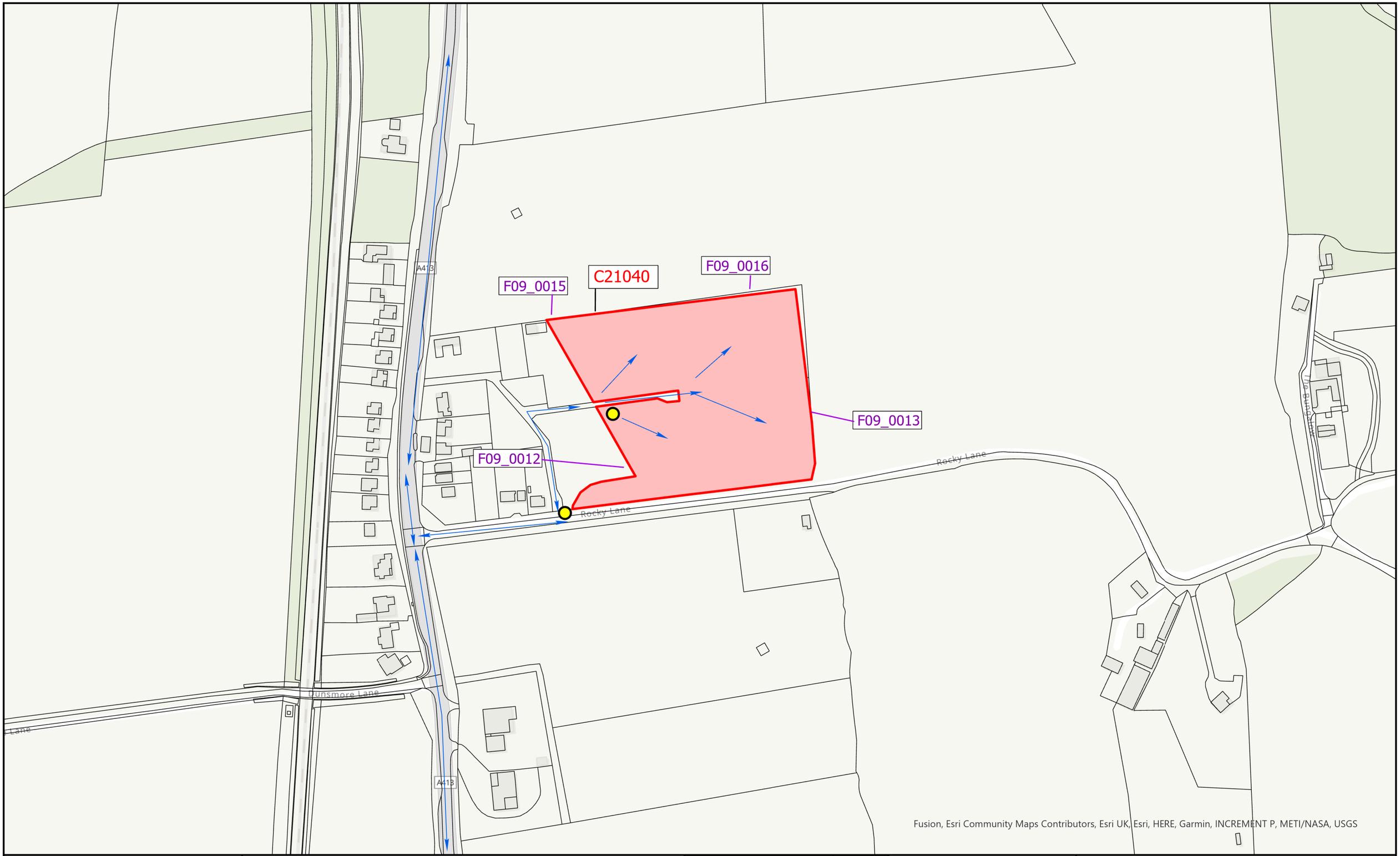

- Access Point and Garic Parking area
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- County boundaries
- Tracking Route
- Main Access Route

Wendover CP

High Speed Two

Figure 13.2
Hartley Farm
Site Logistics and
Traffic Management Plan

Published

HS2

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

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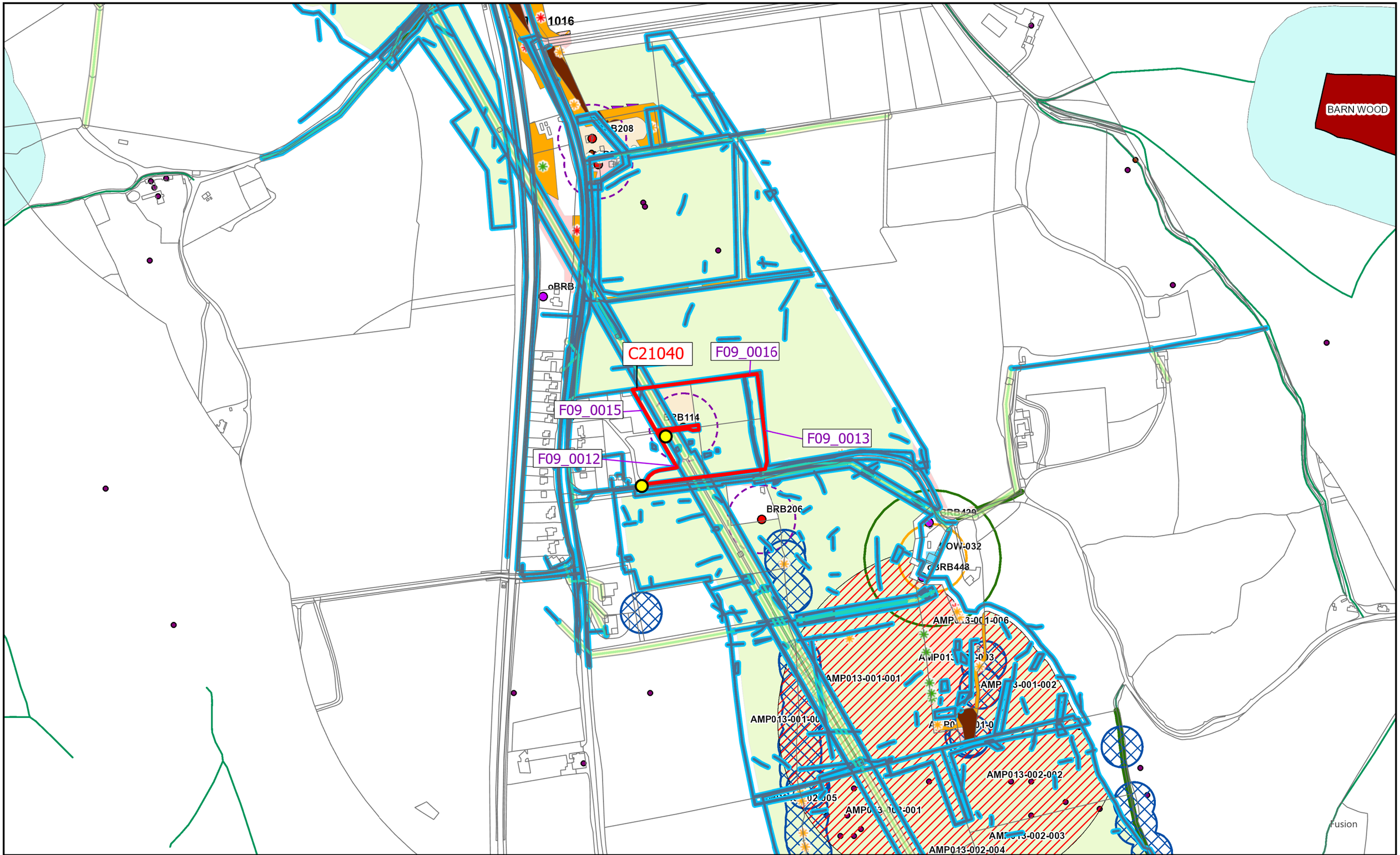


- Access Point and Parking area
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Site Boundary
- Public Rights of Way (Bucks)
- HER Events
- HER Monuments

Individual Tree
- A - High quality
- B - Moderate quality
- C - Low quality
- Exceptional Tree
- Woodland
- Important Hedgerow
- CGN - Small Population
- Confirmed Bat Building
- Bat Building and Tree Roosts Disturbance Buffers (50m)
- Tree Group
- Low RPT Groups

Barn Owls
- High
- Medium
- Low
- Barn Owl 50m buffer
- Barn Owl 100m buffer
- Barn Owl Disturbance buffers (175m)
- Ancient Woodland
- Ancient Woodland Buffer (100m)
- Badger Setts Disturbance Buffers (30m)
- Overhead Utilities
- Underground Utilities
- Underground Utilities Exclusion Zone (5m)
- Overhead Utilities Exclusion Zone (10m)
- Practical completion of PAS128 in field
- PAS128 partially complete in field
- No PAS128 data for field

Wendover CP

High Speed Two

Figure 13.3
Utilities and Hazard Locations: Hartley Farm

Published

HS2

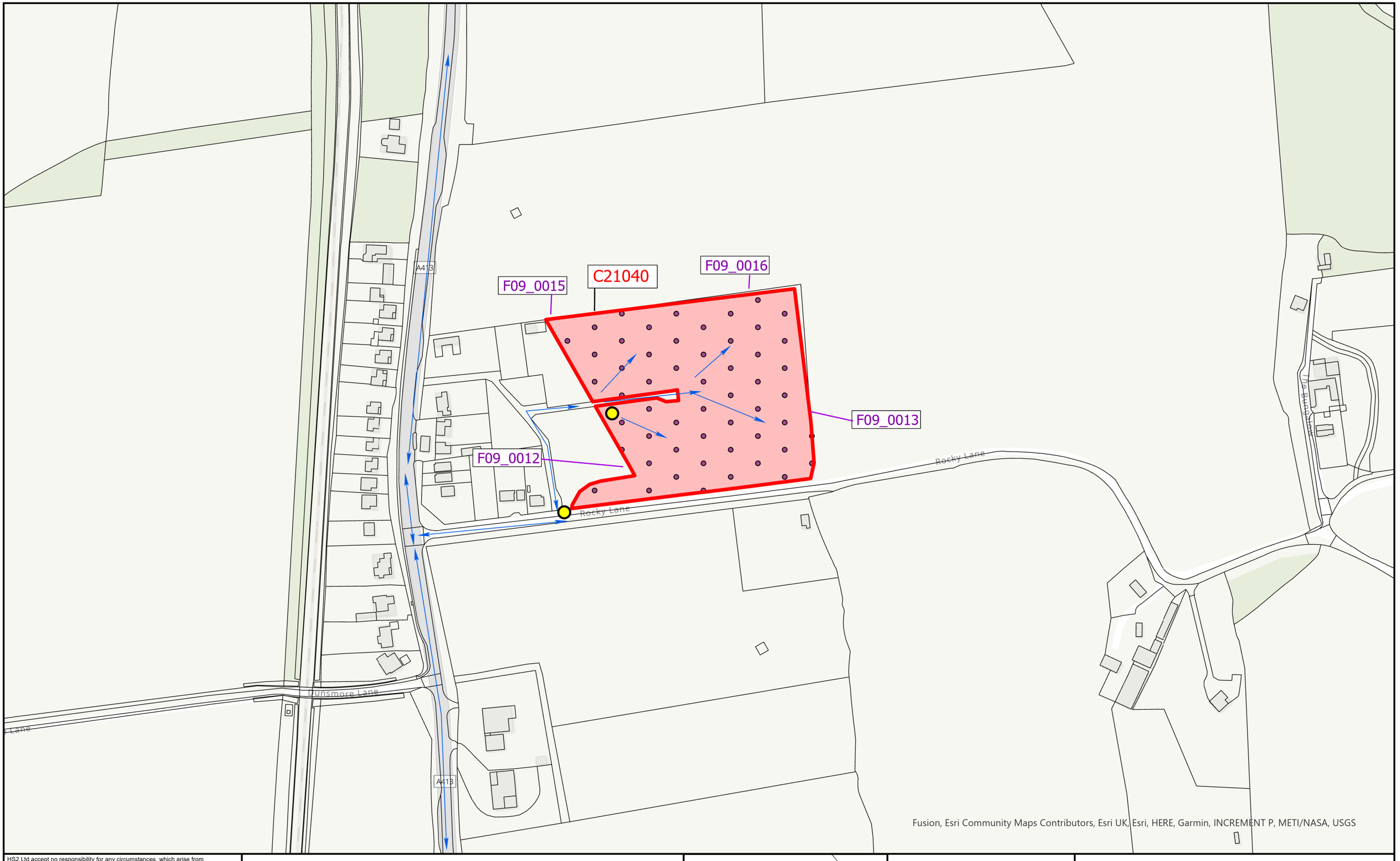
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 06/10/20



- Access Point and Garic Parking area
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- County boundaries
- Tracking Route
- Main Access Route
- Proposed Test Pits

Wendover CP

High Speed Two

Figure 10.4
Hartley Farm
Evaluation Area
Test Pit Locations

Published

HS2

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:2,500

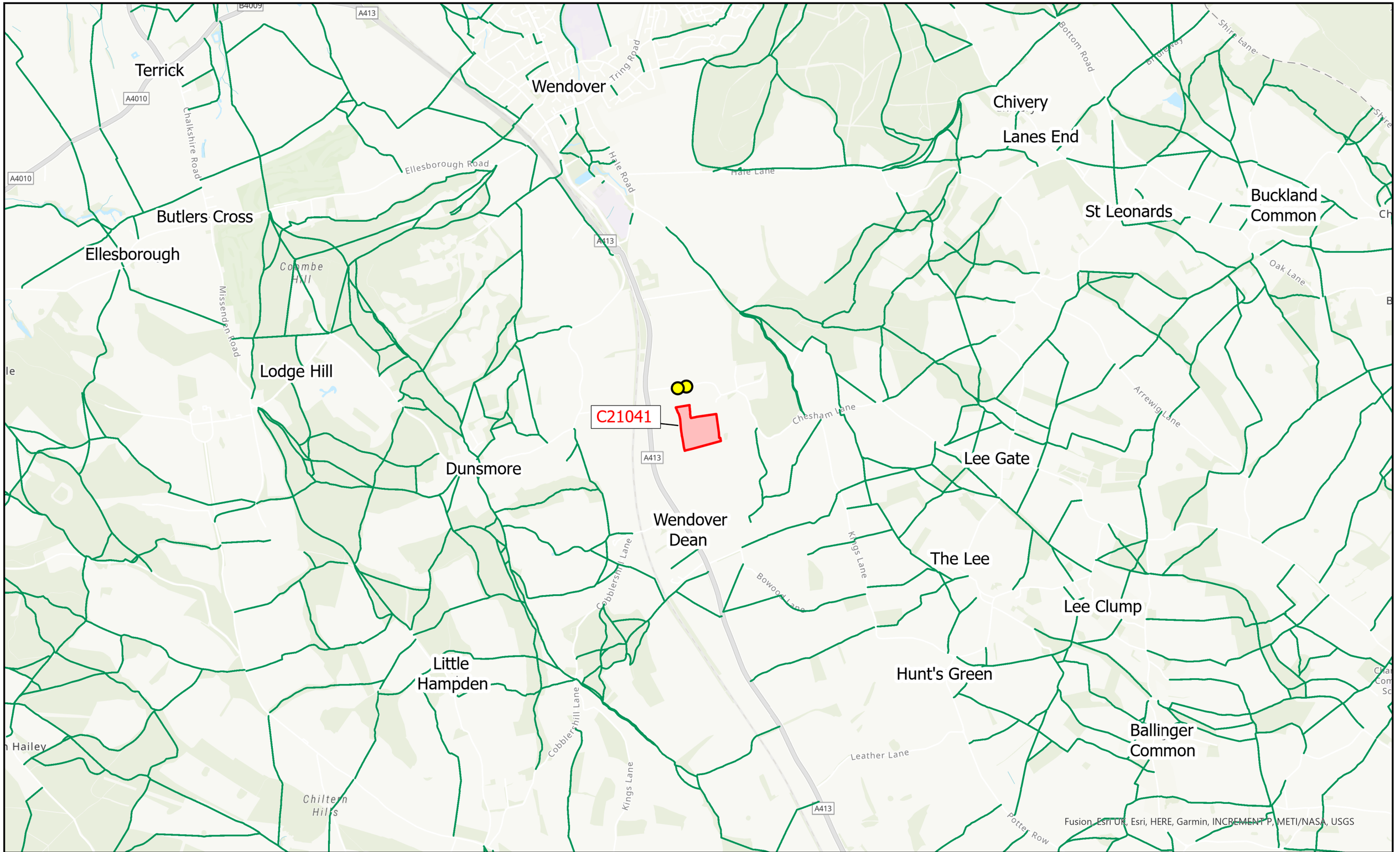
0 20 40 60 80 100
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 06/10/20

C21041 Hartley Farm

Figures 1-4



- Access Point and Garic Parking Area
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- Public Rights of Way (Bucks)

Wendover CP

High Speed Two

Figure 12.1
Hartley Farm
Test Pit Evaluation Area
and Site Location

Published

HS2

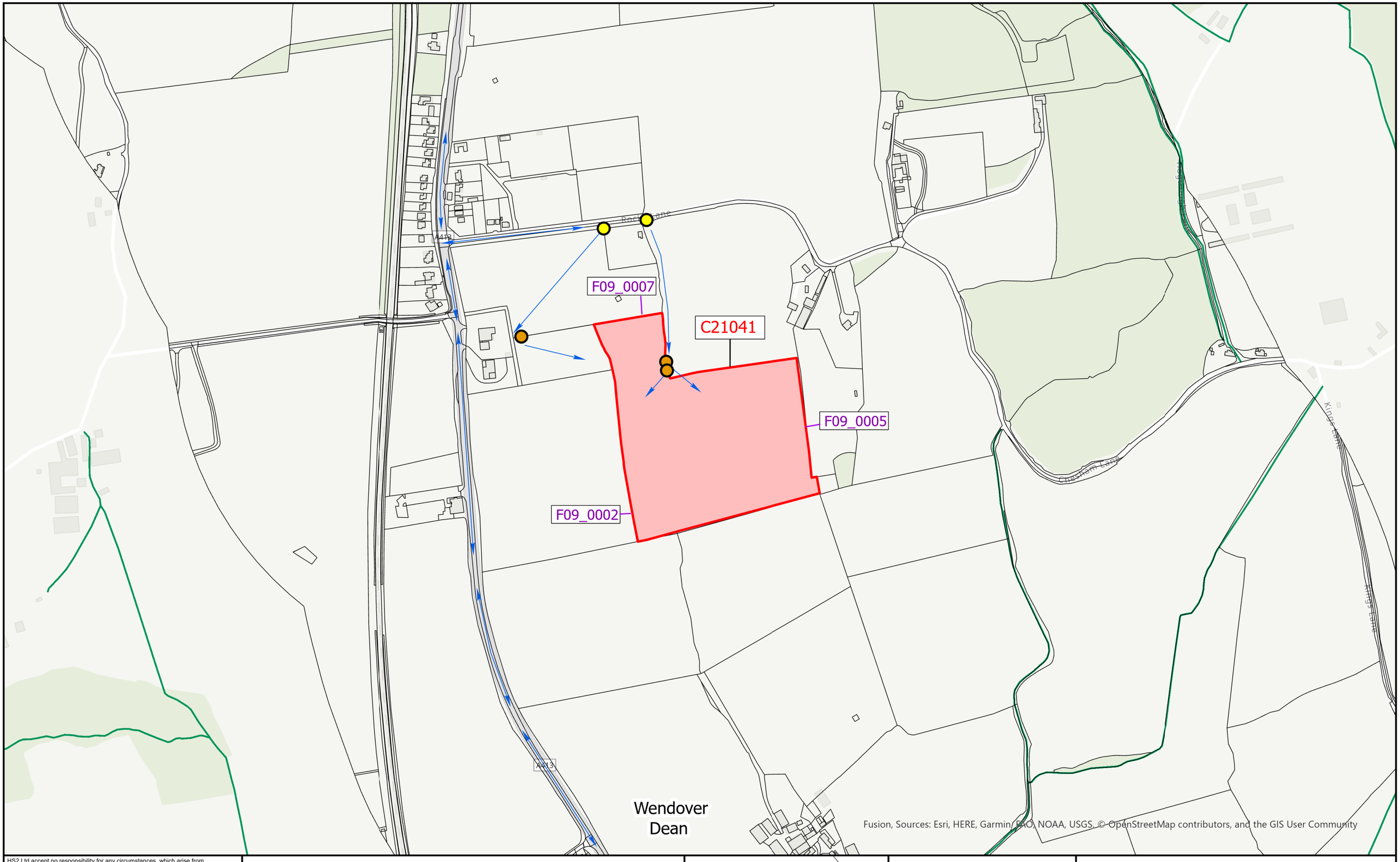
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:25,000

0 250 500 750 1,000 Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 06/10/20



- Access Point and Garic Parking area
- Breakthrough Point
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- County boundaries
- Tracking Route
- Main Access Route

Wendover CP

HighSpeed Two

Figure 12.2
Hartley Farm
Site Logistics an
Traffic Management Plan

Published

HS2

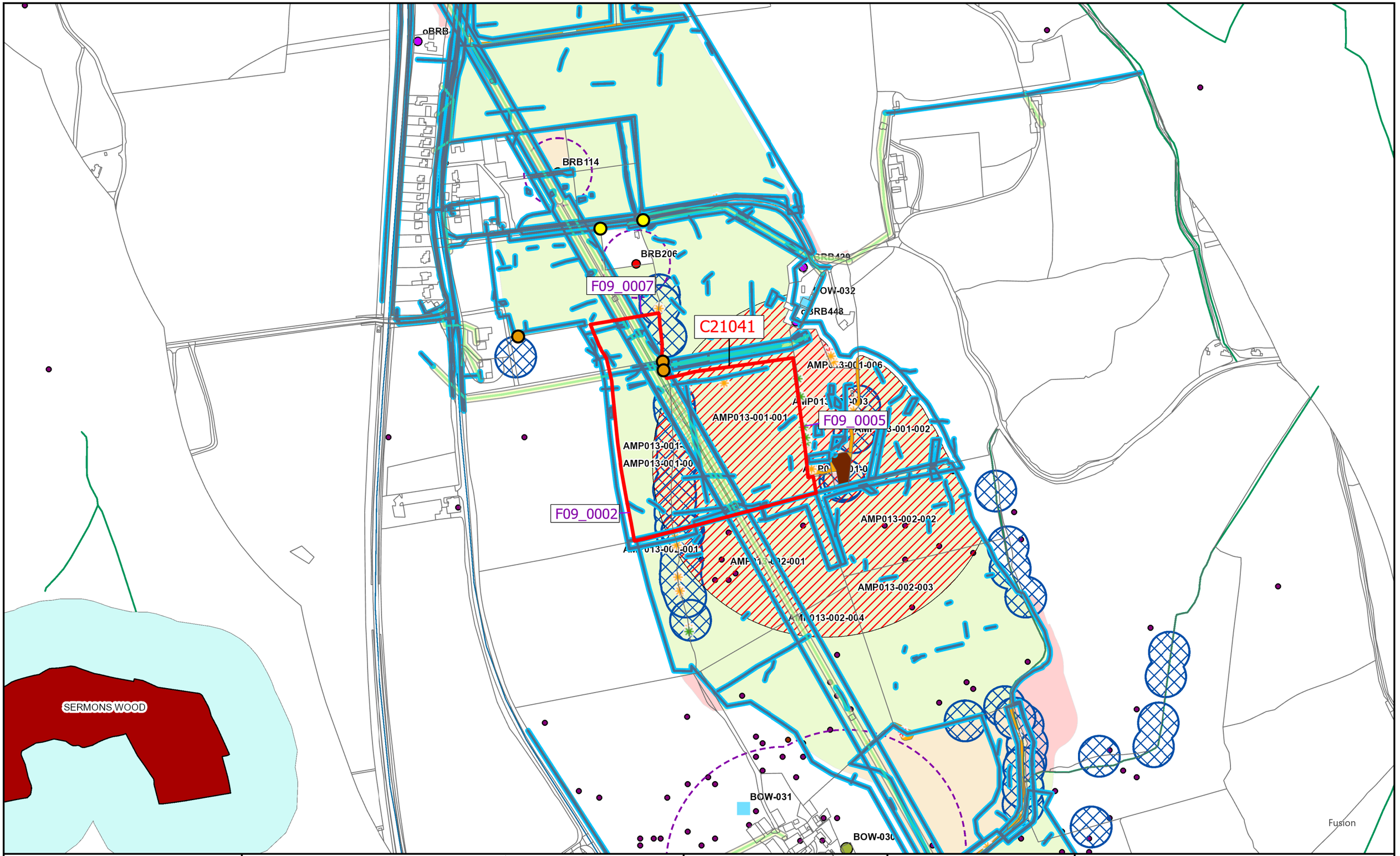
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 06/10/20



- Access Point and Parking area
- Breakthrough Point
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Site Boundary
- Public Rights of Way (Bucks)
- HER Events
- HER Monuments

Individual Tree
- A - High quality
- B - Moderate quality
- C - Low quality
- Exceptional Tree
- Woodland
- Important Hedgerow

- CGN - Small Population
- Confirmed Bat Building
- Bat Building and Tree Roosts Disturbance Buffers (50m)
- Tree Group

Barn Owls
- High / Medium / Low
- Barn Owl 50m buffer
- Barn Owl 100m buffer
- Barn Owl Disturbance buffers (175m)
- Ancient Woodland
- Ancient Woodland Buffer (100m)
- Badger Setts Disturbance Buffers (30m)

- Overhead Utilities
- Underground Utilities
- Underground Utilities Exclusion Zone (5m)
- Overhead Utilities Exclusion Zone (10m)
- Practical completion of PAS128 in field
- PAS128 partially complete in field
- No PAS128 data for field

Wendover CP

High Speed Two

Figure 12.3
Utilities and Hazard Locations: Hartley Farm

Published

HS2

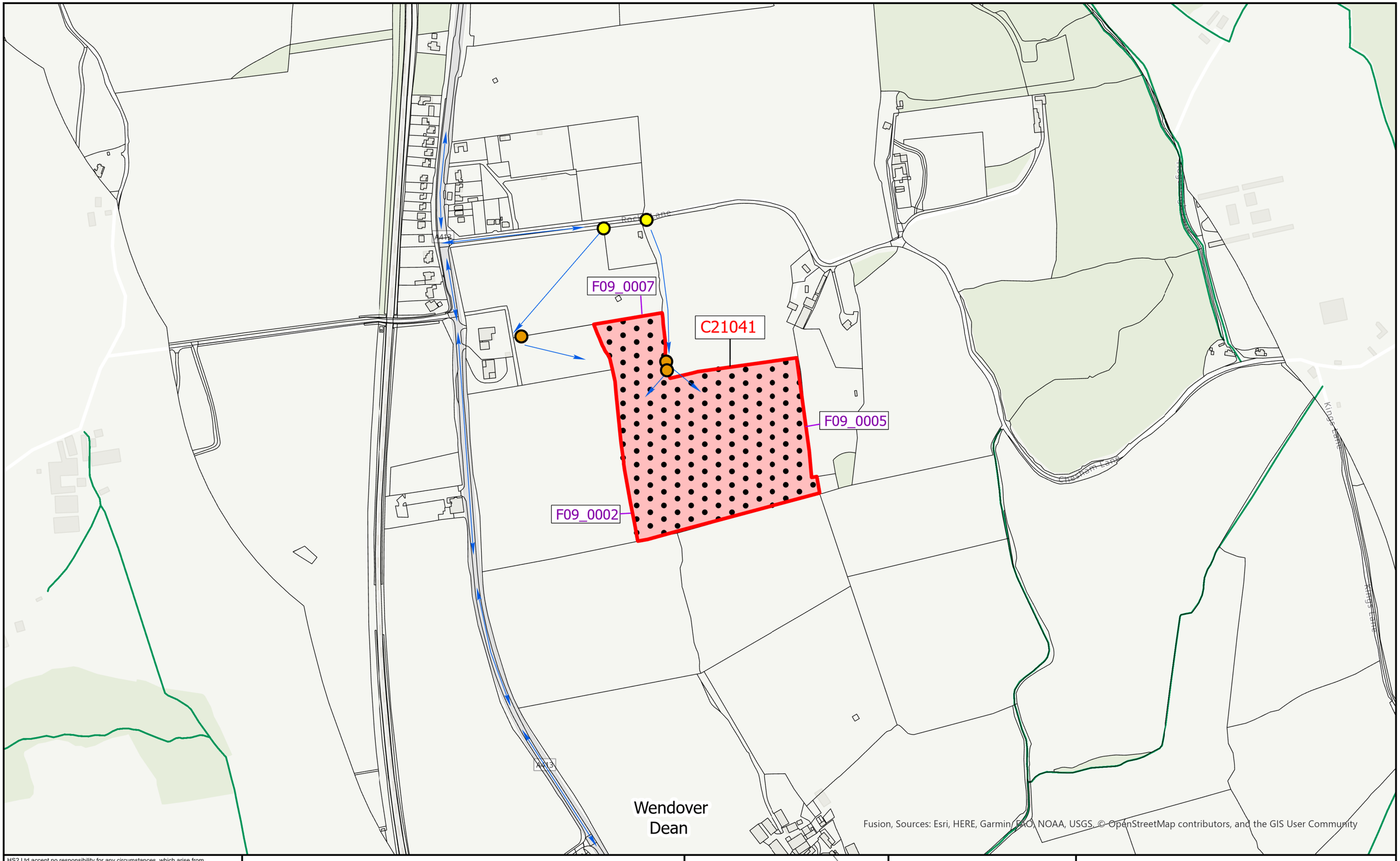
Registered in England. Registration number 06791686. Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

0 40 80 120 160 200 Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 06/10/20



- Access Point and Garic Parking area
- Breakthrough Point
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- County boundaries
- Tracking Route
- Main Access Route
- Proposed Test Pits

Wendover CP

HighSpeed Two

Figure 12.4
Hartley Farm
Evaluation area
Test Pit Location

Published

HS2

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

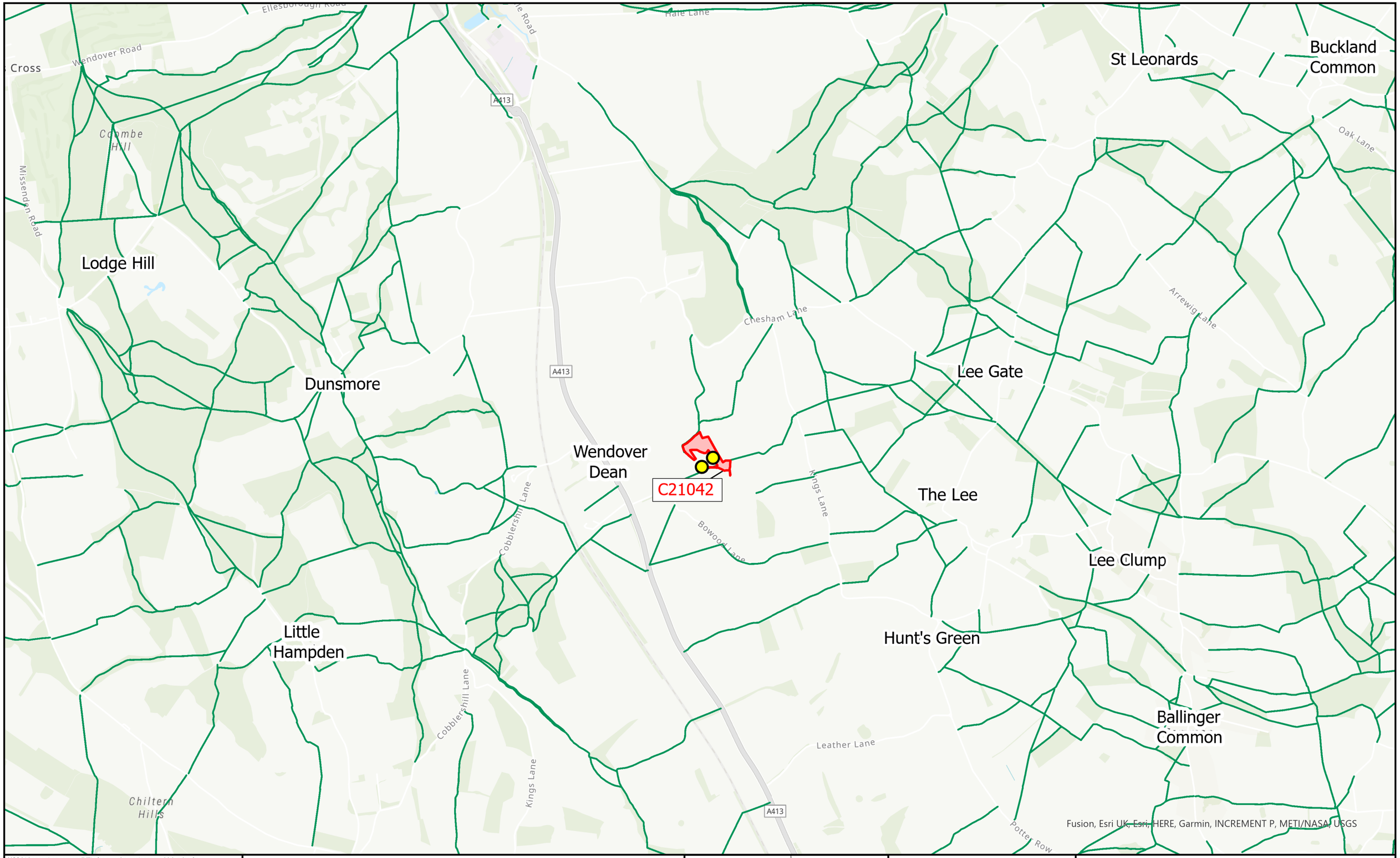
0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

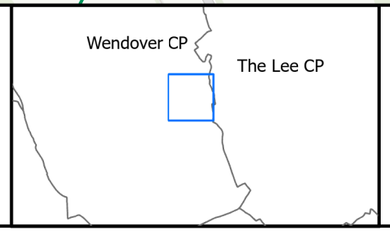
Date: 06/10/20

C21042 Upper Wendover Dean Farm

Figures 1-4



- Access Point and Garic Parking Area
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- Public Rights of Way (Bucks)



High Speed Two

Figure 9.1
Wendoverdean Farm
Test Pit Evaluation Area
and Site Location

Published

HS2

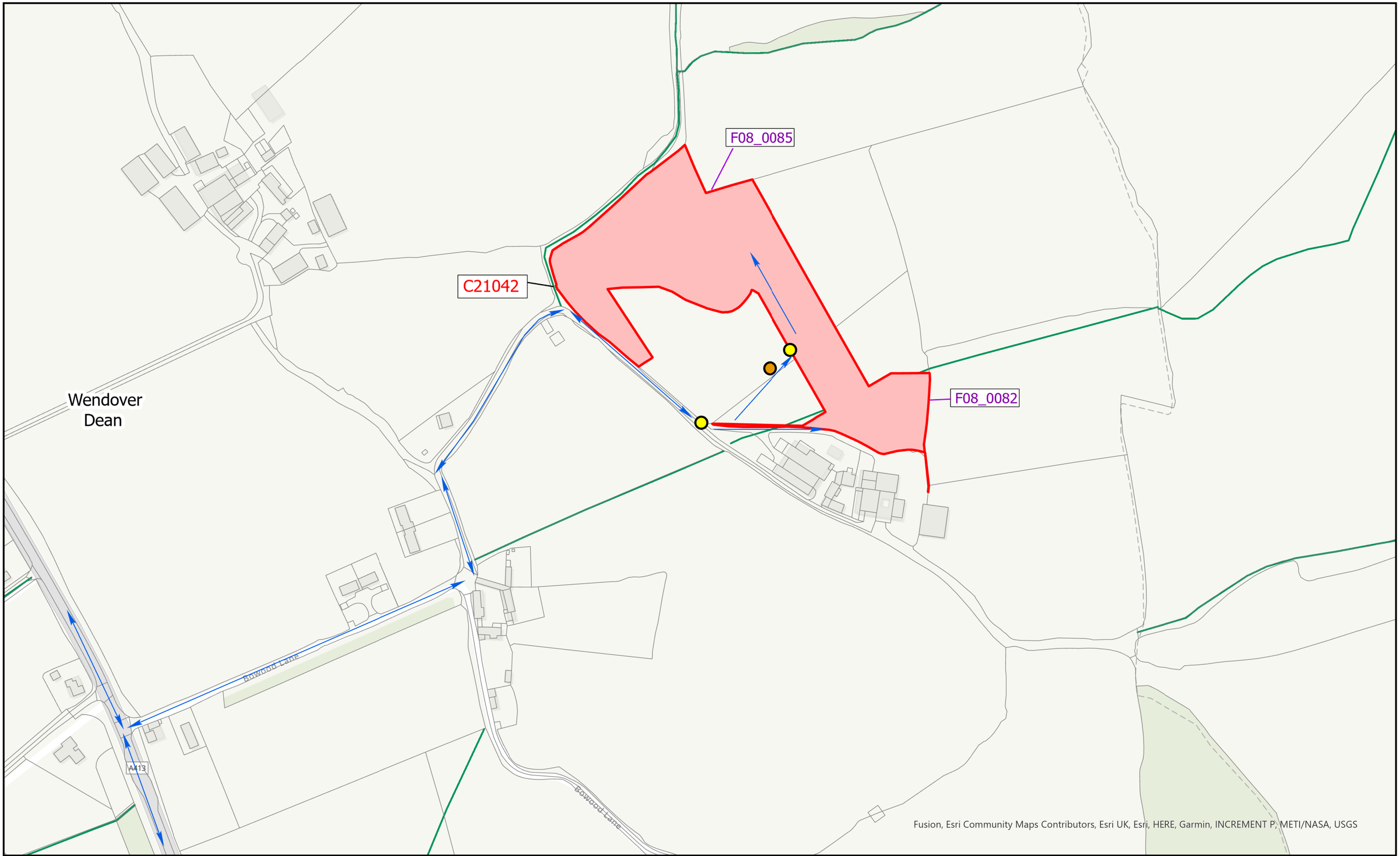
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:20,000

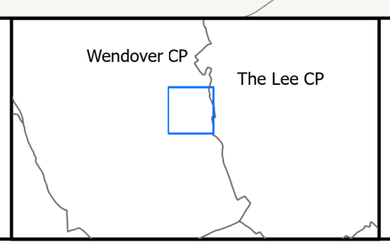
0 200 400 600 800
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 06/10/20



- Access Point and Garic Parking area
- Existing Breakthrough
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- County boundaries
- Tracking Route
- Main Access Route



High Speed Two

Figure 9.2
Wendoverdean Farm
Site Logistics and
Traffic Management Plan

Published

HS2

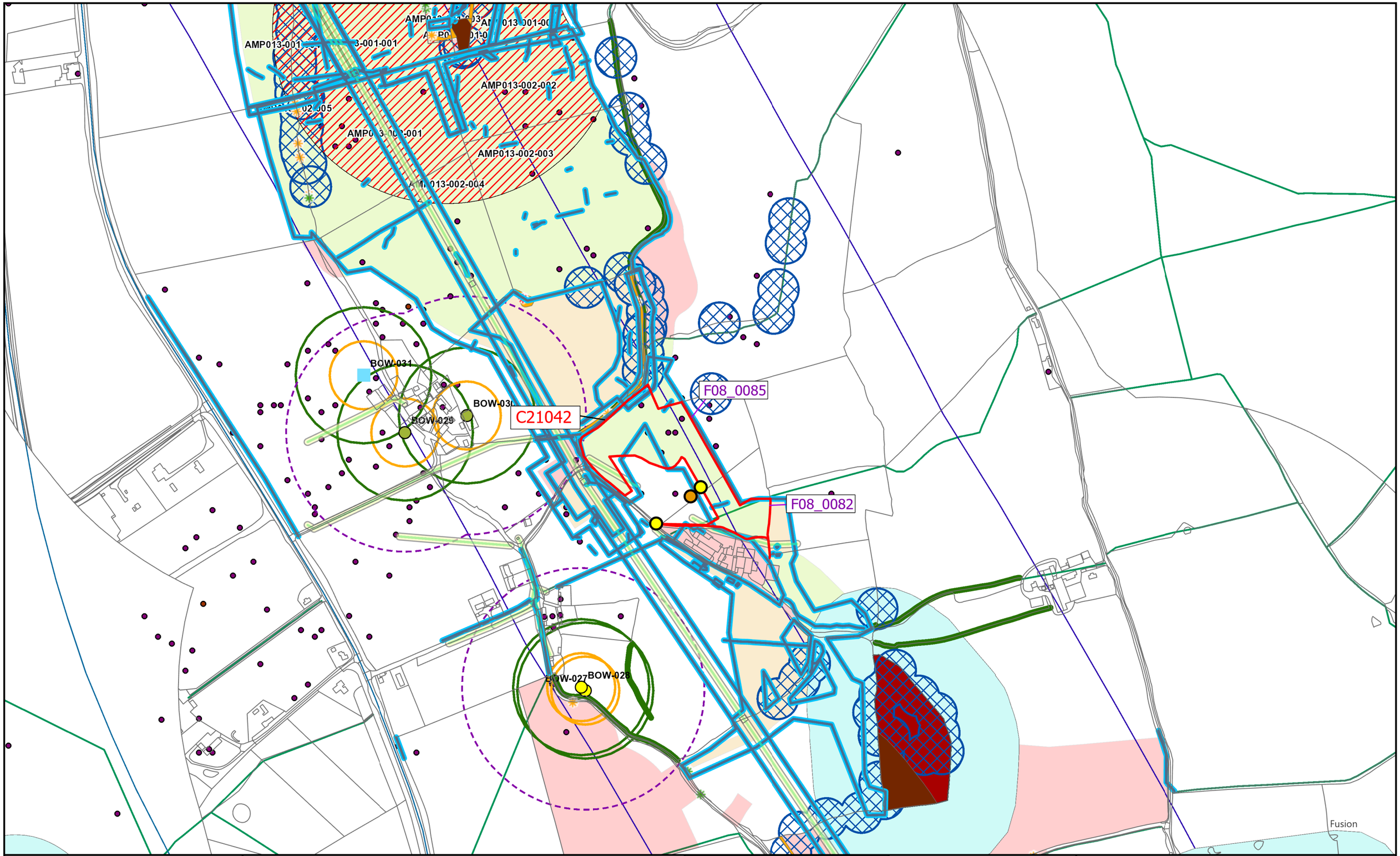
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:2,500

0 20 40 60 80 100
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 06/10/20



- Access Point and Parking area
- Existing Breakthrough
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Site Boundary
- Public Rights of Way (Bucks)
- HER Events
- HER Monuments

Individual Tree
- A - High quality
- B - Moderate quality
- C - Low quality
- Exceptional Tree

- CGN - Small Population
- Tree Group
- Important Hedgerow
- Woodland

Barn Owls
- High
- Medium
- Low
- Barn Owl 50m buffer
- Barn Owl 100m buffer
- Barn Owl Disturbance buffers (175m)
- Ancient Woodland
- Ancient Woodland Buffer (100m)
- Badger Setts Disturbance Buffers (30m)

- Overhead Utilities
- Underground Utilities
- Underground Utilities Exclusion Zone (5m)
- Overhead Utilities Exclusion Zone (10m)
- Practical completion of PAS128 in field
- PAS128 partially complete in field
- No PAS128 data for field

Wendover CP

The Lee CP

High Speed Two

Figure 9.3
Utilities and Hazard Locations: Wendoverdean Farm

Published

HS2

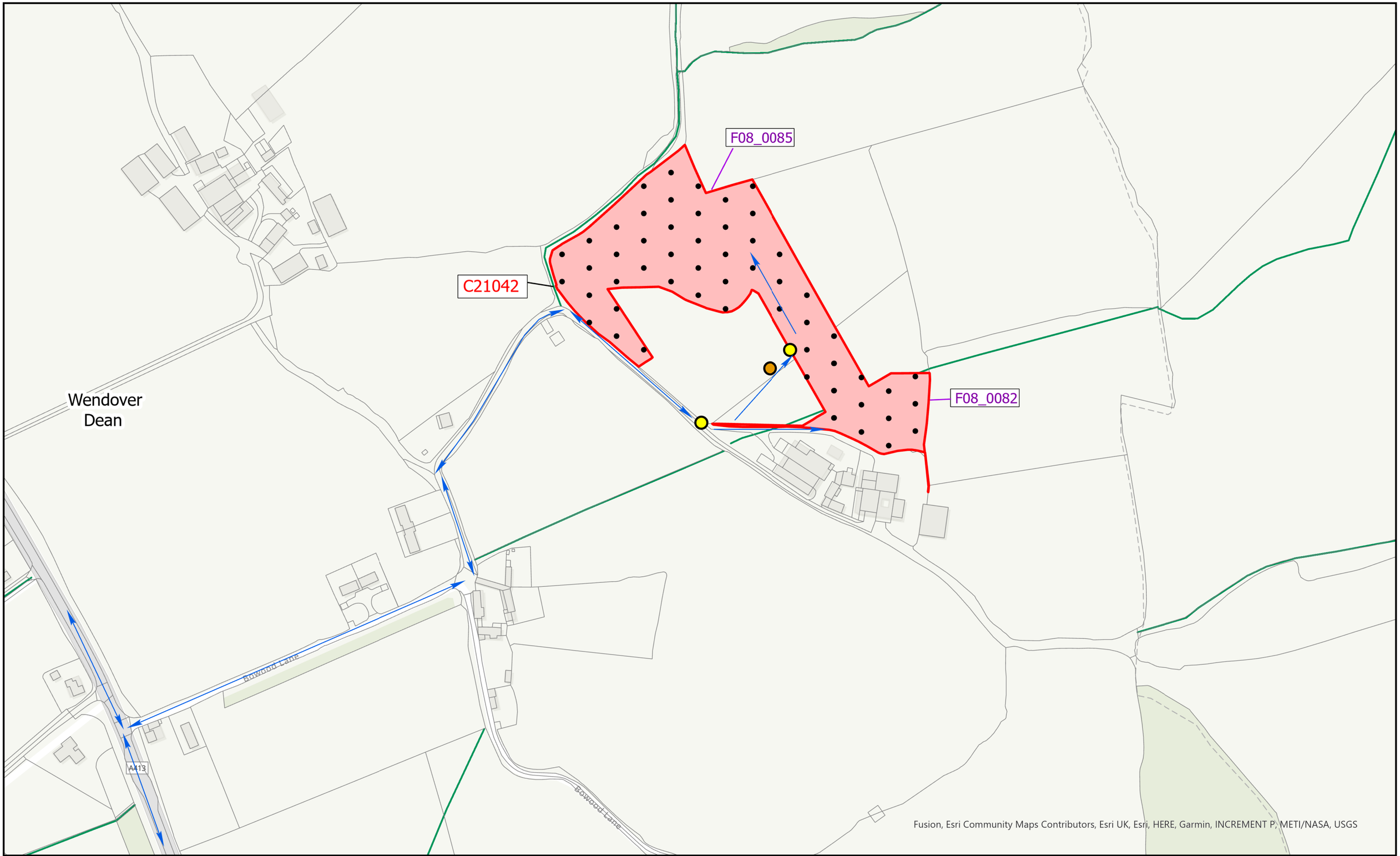
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

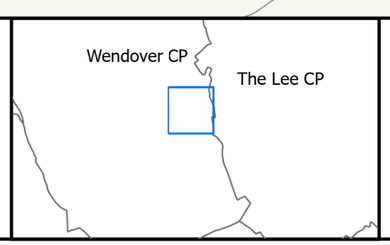
0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 06/10/20



- Access Point and Garic Parking area
- Existing Breakthrough
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- County boundaries
- Tracking Route
- Main Access Route
- Proposed Test Pits



High Speed Two

Figure 9.4
Wendoverdean Farm
Evaluation Area
Test Pit Locations

Published

HS2

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:2,500

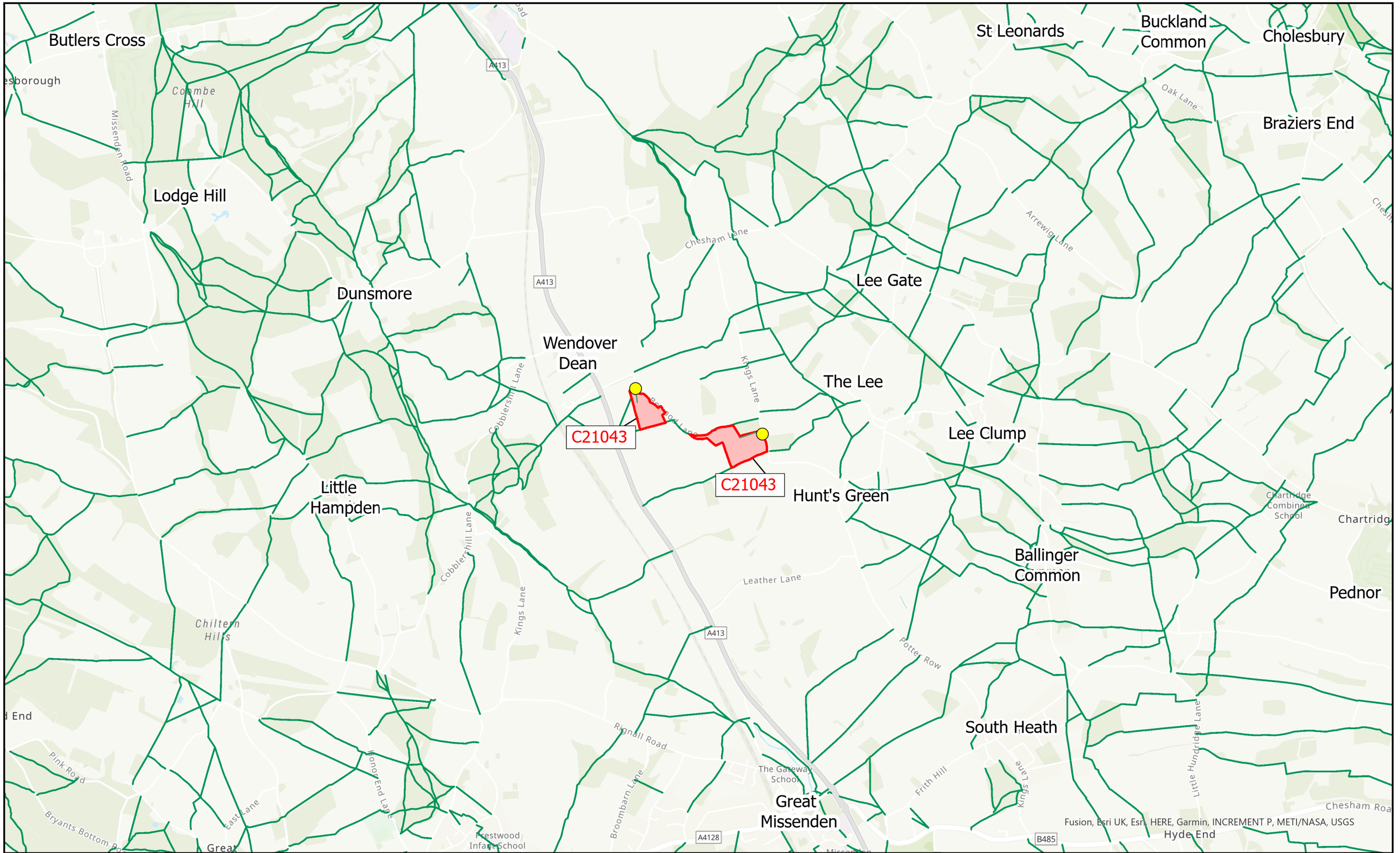
0 20 40 60 80 100
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

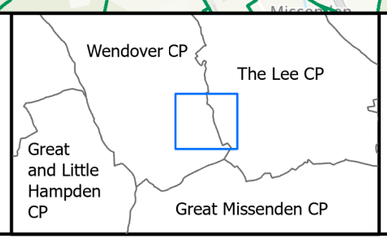
Date: 06/10/20

C21043 Upper Wendover Dean Farm

Figures 1-4



- Access Point and Garic Parking Area
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- Public Rights of Way (Bucks)



High Speed Two

Figure 8.1
Wendoverdean Farm
Test Pit Evaluation Area
and Site Location

Published

HS2

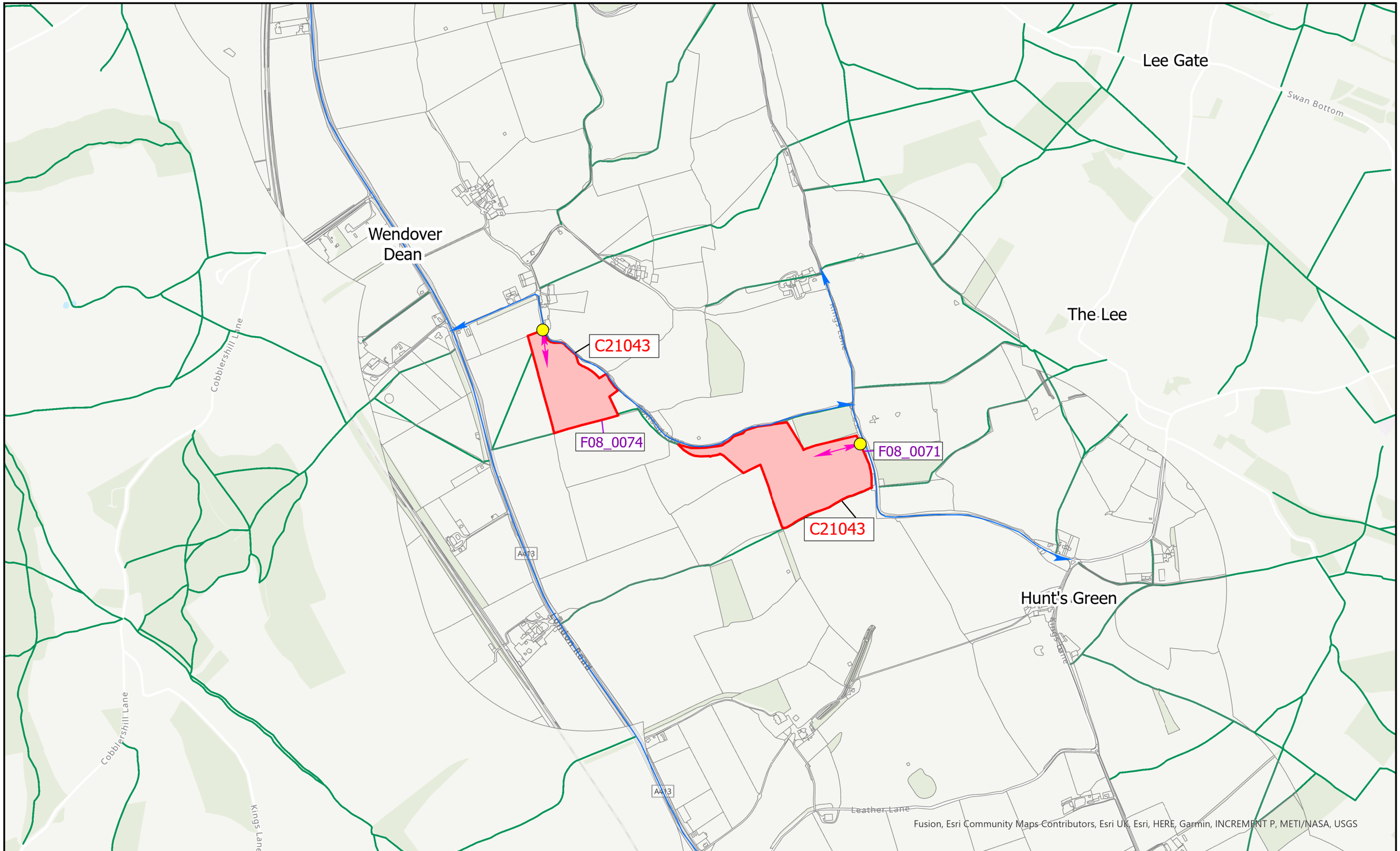
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:25,000

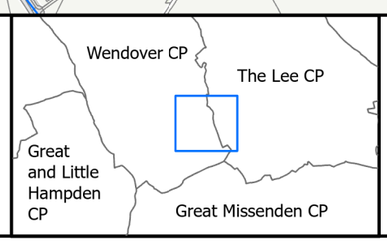
0 250 500 750 1,000
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 20/10/20



- Access Point and Garic Parking Area
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- XXXXXX Field ID No.
- Public Rights of Way (Bucks)
- Access Route
- 4X4 Route



High Speed Two

Figure 8.2
Wendoverdean Farm
Site Logistics and
Traffic Management Plan

Published

HS2

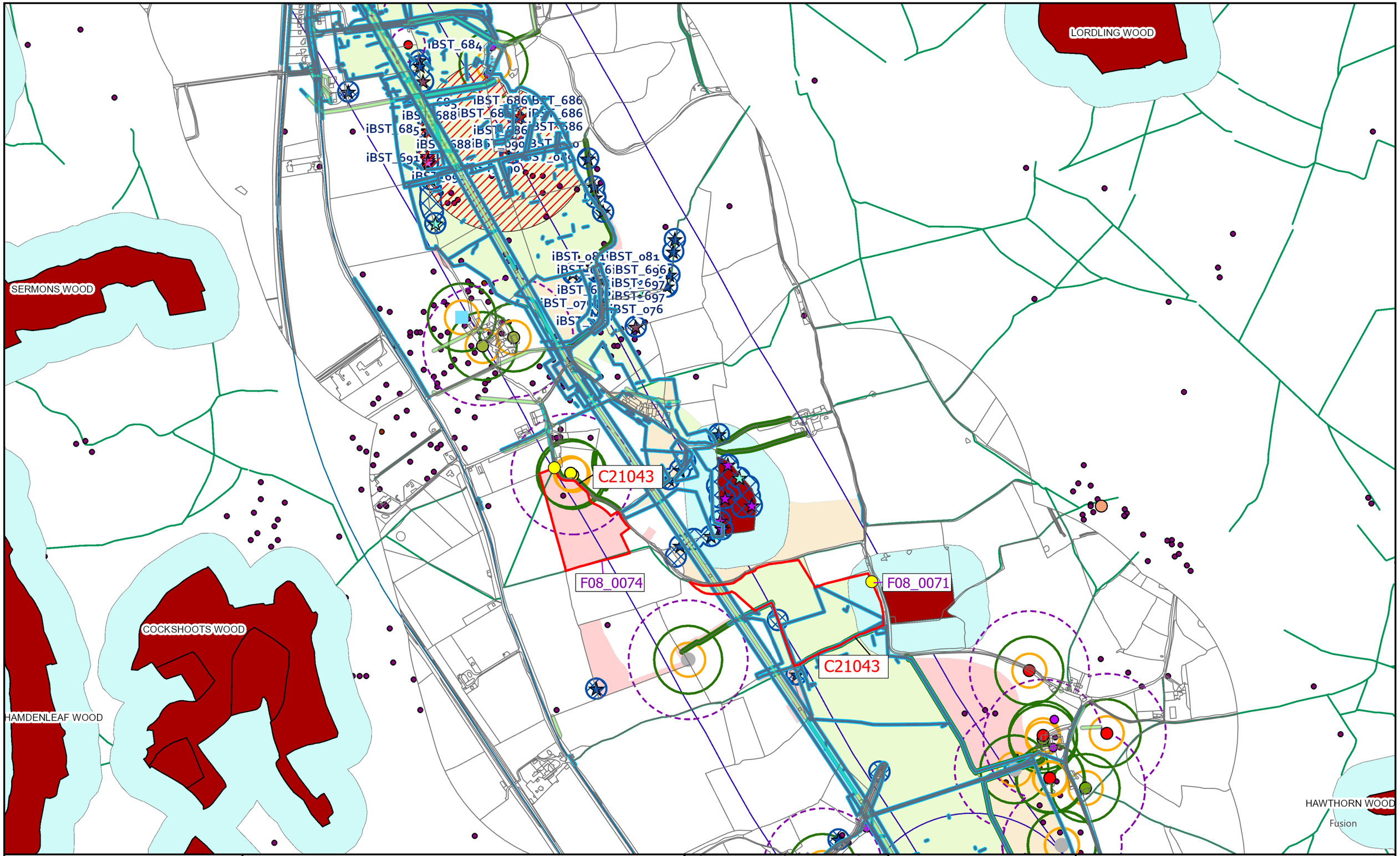
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:10,000

0 80 160 240 320 400
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

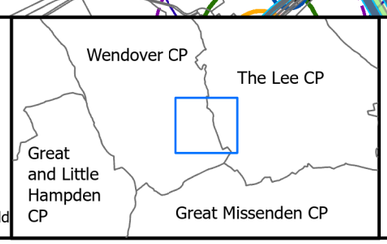
Date: 20/10/20



- Access Point and Parking area
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Site Boundary
- Public Rights of Way (Bucks)
- HER Events
- HER Monuments

Individual Tree
- A - High quality
- B - Moderate quality
- C - Low quality
- Exceptional Tree
- Woodland
- Important Hedgerow
- Ancient Tree Inventory
- Tree Group
- CGN - Small Population
- Confirmed Bat Building

Barn Owls
- High
- Medium
- Low
- Barn Owl 50m buffer
- Barn Owl 100m buffer
- Barn Owl Disturbance buffers (175m)
- Ancient Woodland
- Ancient Woodland Buffer (100m)
- Badger Setts Disturbance Buffers (30m)
- Overhead Utilities
- Underground Utilities
- Underground Utilities Exclusion Zone (5m)
- Overhead Utilities Exclusion Zone (10m)
- Practical completion of PAS128 in field
- PAS128 partially complete in field
- No PAS128 data for field



High Speed Two

Figure 8.3
Utilities and Hazard Locations: Wendoverdean Farm

Published

HS2

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:10,000

0 80 160 240 320 400
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 06/10/20

Wendover Dean

C21043

F08_0074

F08_0071

C21043

A413

A413

Fusion, Esri Community Maps Contributors, Esri UK, Esri, HERE, Garmin, INCREMENT P, METI/NASA, USGS

- Access Point and Garic Parking Area
- Goal Posts
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- XXXXXX Field ID No.
- Public Rights of Way (Bucks)
- Access Route
- 4X4 Route
- Proposed Test Pits (Machine Excavated)
- Proposed Test Pits (Hand Excavated)
- Public Rights of Way Exclusion Zone (4m)
- Underground Services Exclusion Zone (5m)
- Overhead Services Exclusion Zone (10m)

Wendover CP

The Lee CP

Great and Little Hampden CP

Great Missenden CP

High Speed Two

Figure 8.4
Wendoverdean Farm
Evaluation Area
Test Pit Locations

Published

HS2

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

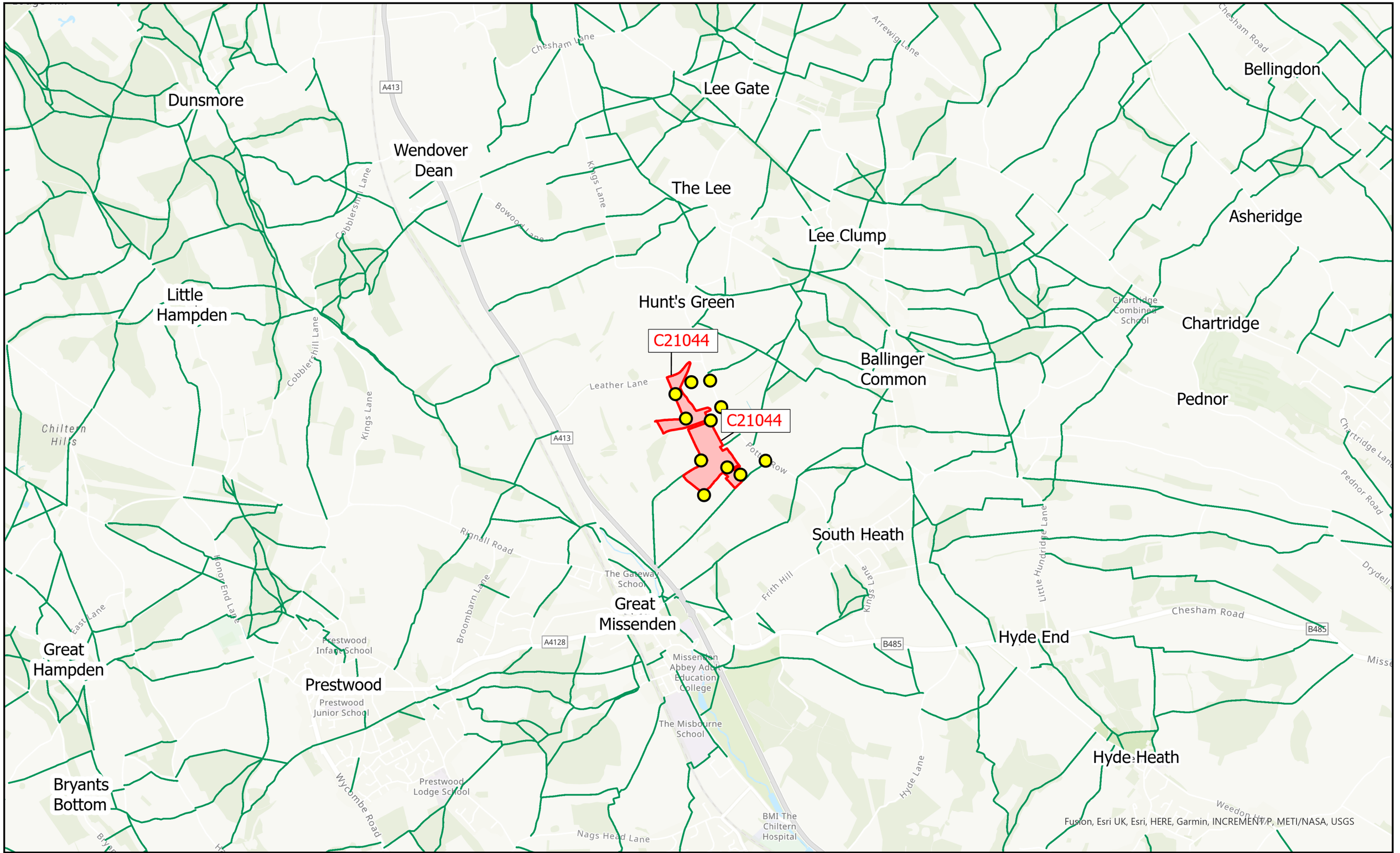
0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

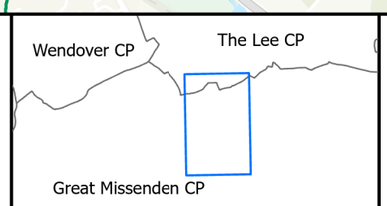
Date: 20/10/20

C21044 Park Hill or North Portal

Figures 1-4



- Access Point and Garic Parking Area
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- Public Rights of Way (Bucks)



High Speed Two

Figure 16.1
Park Hill
Test Pit Evaluation Area
and Site Location

Published

HS2

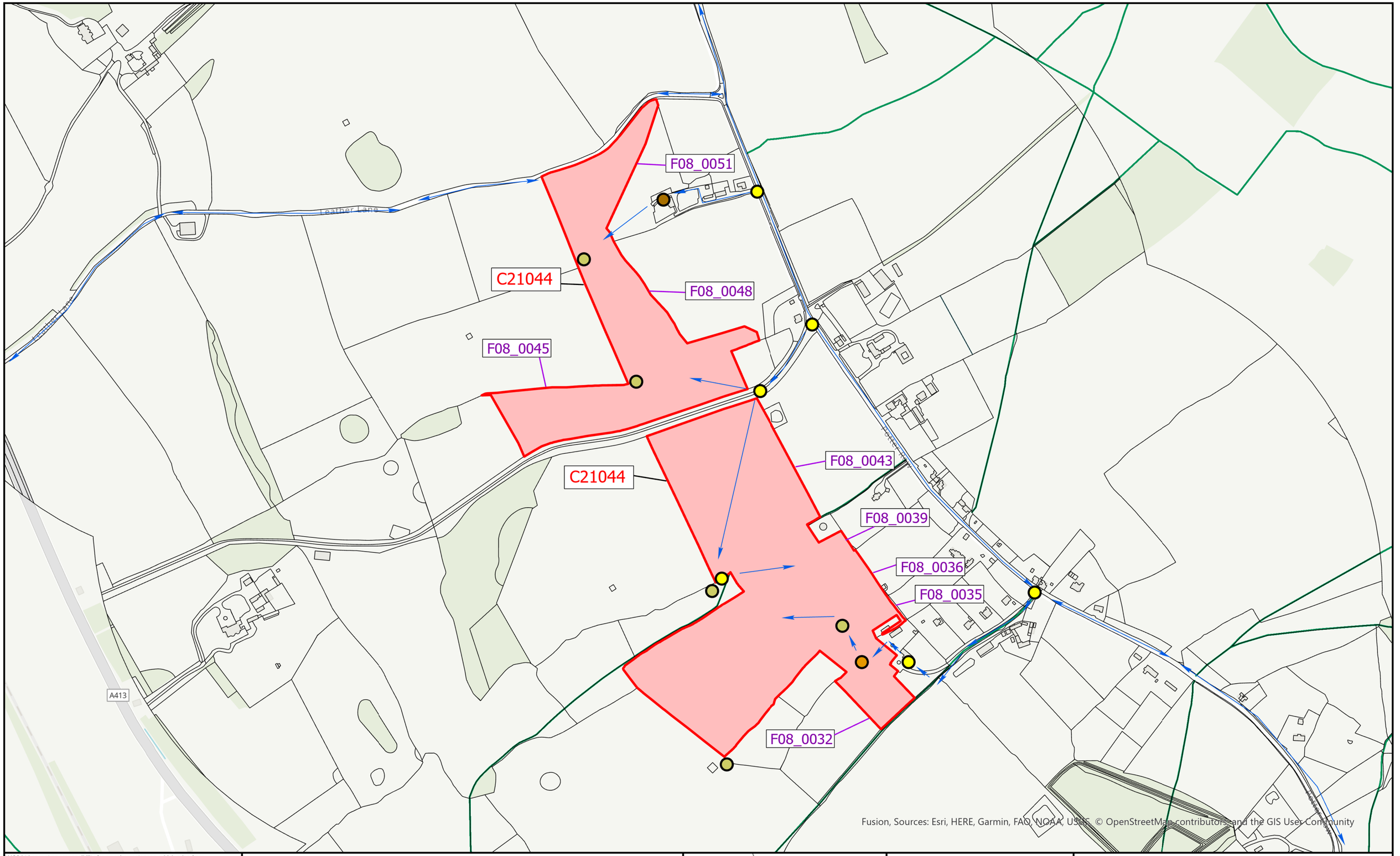
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:25,000

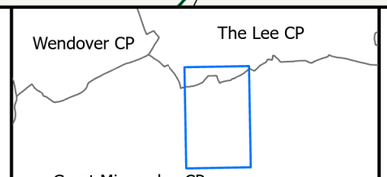
0 250 500 750 1,000
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 06/10/20



- Access Point and Garic Parking area
- Breakthrough Point
- Open Access to Fields
- Gated Access to Fields
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- County boundaries
- Tracking Route
- Main Access Route



High Speed Two

Figure 16.2
Park Hill
Site Logistics and
Traffic Management Plan

Published

HS2

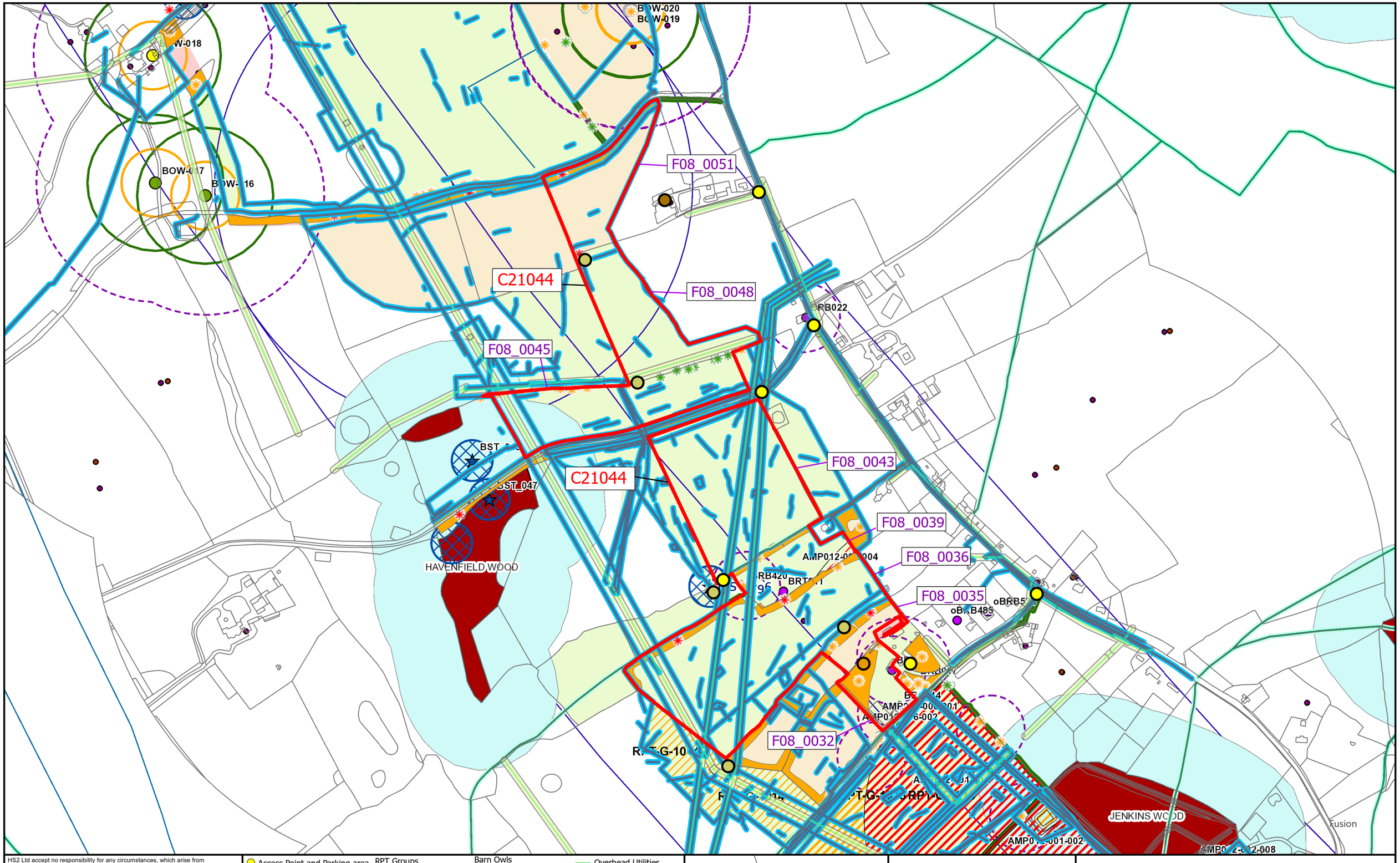
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 07/10/20



- Access Point and Parking area
- Breakthrough Point
- Open Access to Fields
- Gated Access to Fields
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Site Boundary
- Public Rights of Way (Bucks)
- HER Events
- HER Monuments

Individual Tree
- A - High quality
- B - Moderate quality
- C - Low quality
- Exceptional Tree

RPT Groups
- Low
- Medium
- Tree Group
- GCNs - Medium Population
- Confirmed Bat Building
- Bat Building and Tree Roosts Disturbance Buffers (50m)
- Important Hedgerow
- Public Rights of Way Exclusion Zone (4m)

Barn Owls
- High
- Medium
- Low
- Barn Owl 50m buffer
- Barn Owl 100m buffer
- Ancient Woodland
- Ancient Woodland Buffer (100m)
- Badger Setts Disturbance Buffers (30m)

- Overhead Utilities
- Underground Utilities
- Underground Utilities Exclusion Zone (5m)
- Overhead Utilities Exclusion Zone (10m)
- Practical completion of PAS128 in field
- PAS128 partially complete in field
- No PAS128 data for field

Wendover CP
The Lee CP
Great Missenden CP

High Speed Two

Figure 16.3
Utilities and Hazard Locations
Park Hill

Published

HS2

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

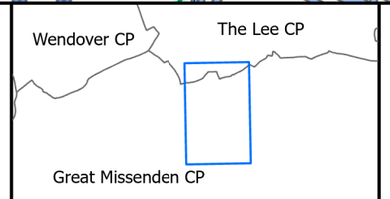
0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 20/10/20

F08_0051
C21044
F08_0048
F08_0045
F08_0043
C21044
F08_0039
F08_0036
F08_0035
F08_0032
A413
Fusion, Esri Community Maps Contributors, Esri UK, Esri, HERE, Garmin, INCREMENT P, METI/NASA, USGS

- Access Point and Garic Parking area
- Breakthrough Point
- Open Access to Fields
- Gated Access to Fields
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- County boundaries
- Public Rights of Way (Bucks)
- Tracking Route
- Main Access Route
- Solid Fence
- Proposed Test Pits (Machine Excavated)
- Proposed Test Pits (Hand Excavated)
- Public Rights of Way Exclusion Zone (4m)
- Underground Services Exclusion Zone (5m)
- Overhead Services Exclusion Zone (10m)



High Speed Two

Figure 16.4
Park Hill
Evaluation Area
Test Pit Locations

Published

HS2

Scale at A3: 1:5,000

0 40 80 120 160 200
Metres

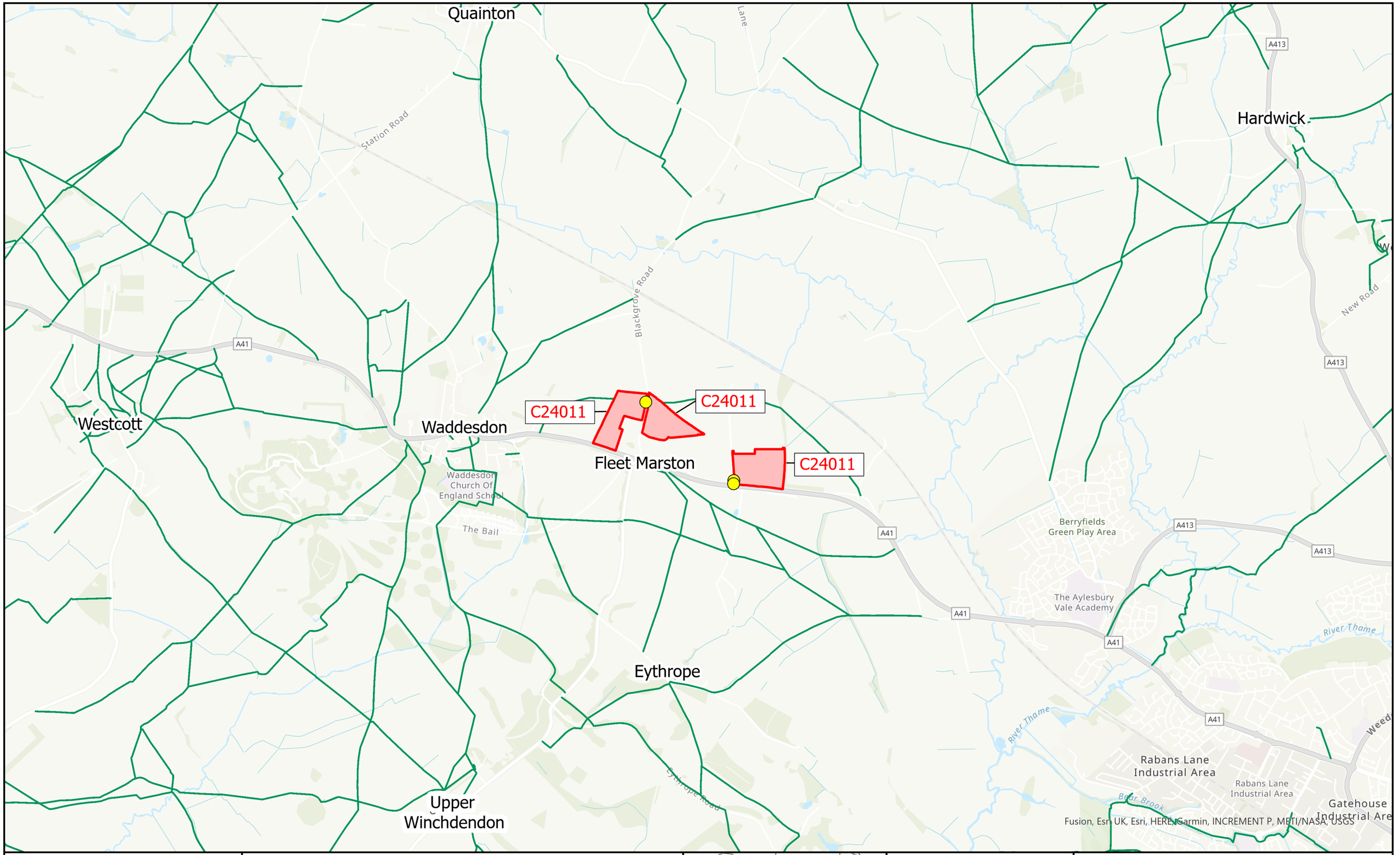
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

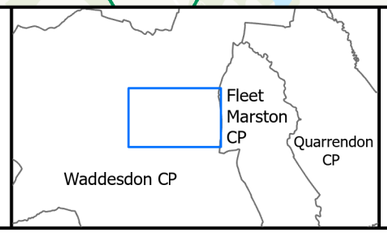
Date: 20/10/20

C24011 Wayside Farm

Figures 1-4



- Proposed Access Point
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- Public Rights of Way (Bucks)



High Speed Two

Figure 1.1
Wayside Farm Mitigation Area: Site Location

Published

HS2

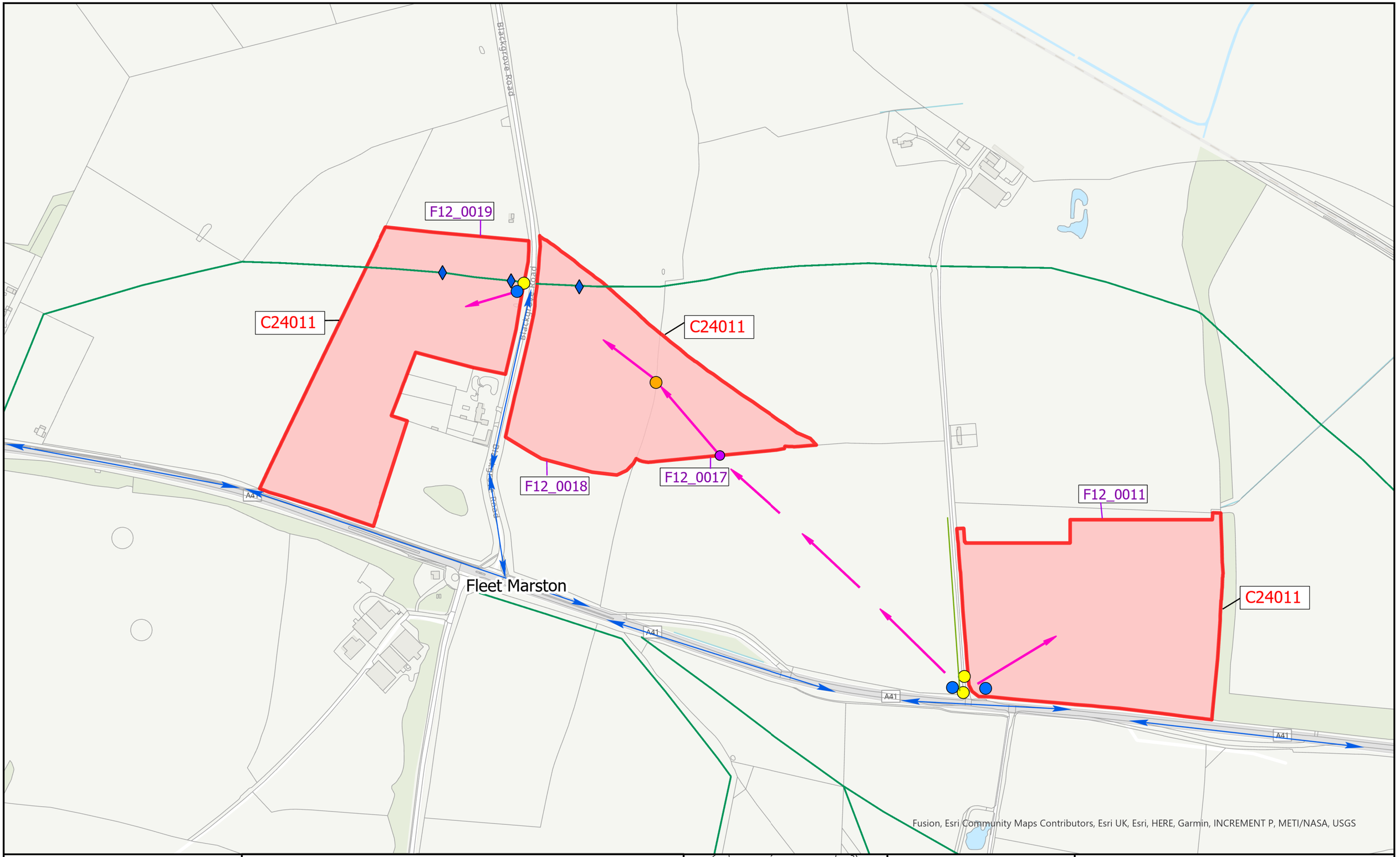
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:25,000

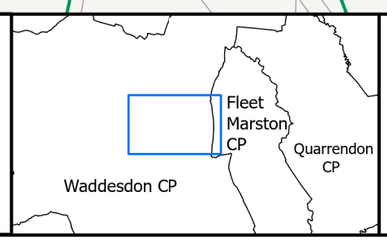
0 250 500 750 1,000
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 22/10/20



- Proposed Access Point and Breakthrough
- Proposed Access Point
- PRoW Crossing Point
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- XXXXXX Field ID No.
- Euromats/Parking Area
- Existing Modular Ditch Crossing
- Public Rights of Way (Bucks)
- Tracking Route
- Main Access Route
- Overhead Services



High Speed Two

Figure 1.2
Wayside Farm
Site Logistics and Traffic Management Plan

Published

HS2

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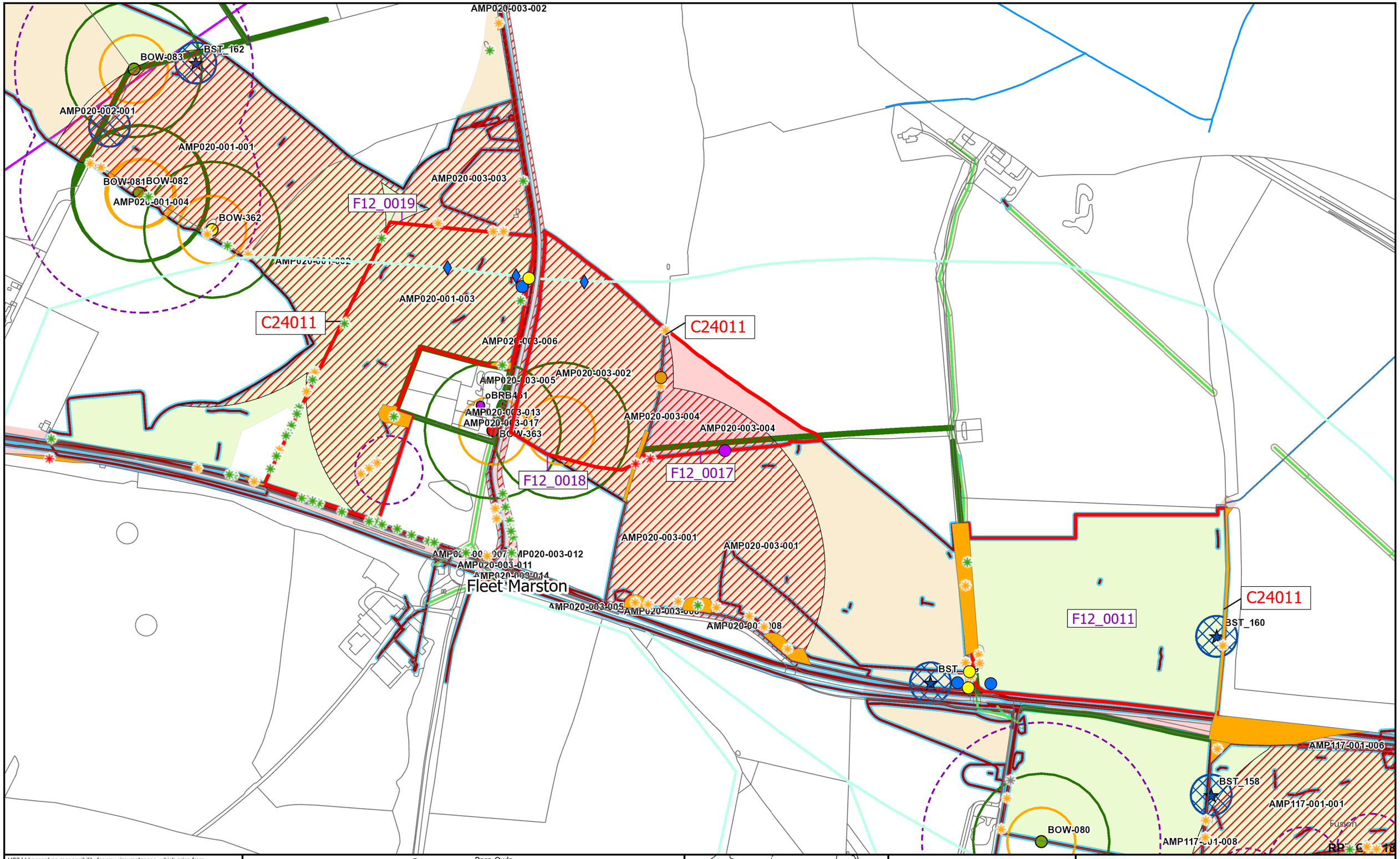
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 22/10/20



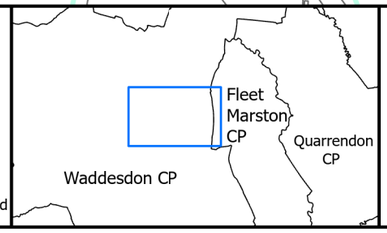
- Proposed Access Point and Breakthrough
- Proposed Access Point
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Site Boundary
- Public Rights of Way (Bucks)
- HER Events
- HER Monuments
- Important Hedgerow

Individual Tree
- A - High quality
- C - Low quality
- Tree Group
- B - Moderate quality
- Exceptional Tree

- Euromats/ Parking Area
- Existing Modular Ditch Crossing
- PRoW Crossing Point
- Confirmed Bat Building
- PRoW Exclusion Zone (4m)
- GCNs - Small Population

Barn Owls
- High
- Medium
- Low
- Barn Owl 50m buffer
- Barn Owl 100m buffer
- Badger Setts Disturbance Buffers (30m)
- Bat Building and Tree Roosts Disturbance Buffers (50m)

- Overhead Utilities
- Underground Utilities
- Underground Utilities Exclusion Zone (5m)
- Overhead Utilities Exclusion Zone (10m)
- Practical completion of PAS128 in field
- PAS128 partially complete in field
- No PAS128 data for field



High Speed Two

Figure 1.3
Wayside Farm
Site Logistics and Traffic Management Plan

Published

HS2

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 22/10/20

F12_0019

C24011

C24011

Blackgrove Road

Blackgrove Road

F12_0017

A41

Fleet Marston

Fusion, Esri Community Maps Contributors, Esri UK, Esri, HERE, Garmin, INCREMENT P, METI/NASA, USGS

- Proposed Access Point and Breakthrough
- Proposed Access Point
- PRoW Crossing Point
- Site Boundary
- CXXXX Fusion Site GIS ID No.
- XXXXX Field ID No.
- Euromats/Parking Area
- Existing Modular Ditch Crossing
- Proposed Test Pits
- Public Rights of Way (Bucks)
- PRoW Exclusion Zone (4m)
- Underground Services Exclusion Zone (5m)
- Underground Services

Fleet Marston CP

Quarrendon CP

Waddesdon CP

High Speed Two

Figure 1.4
Wayside Farm
Test Pit Locations

Published

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Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:2,500

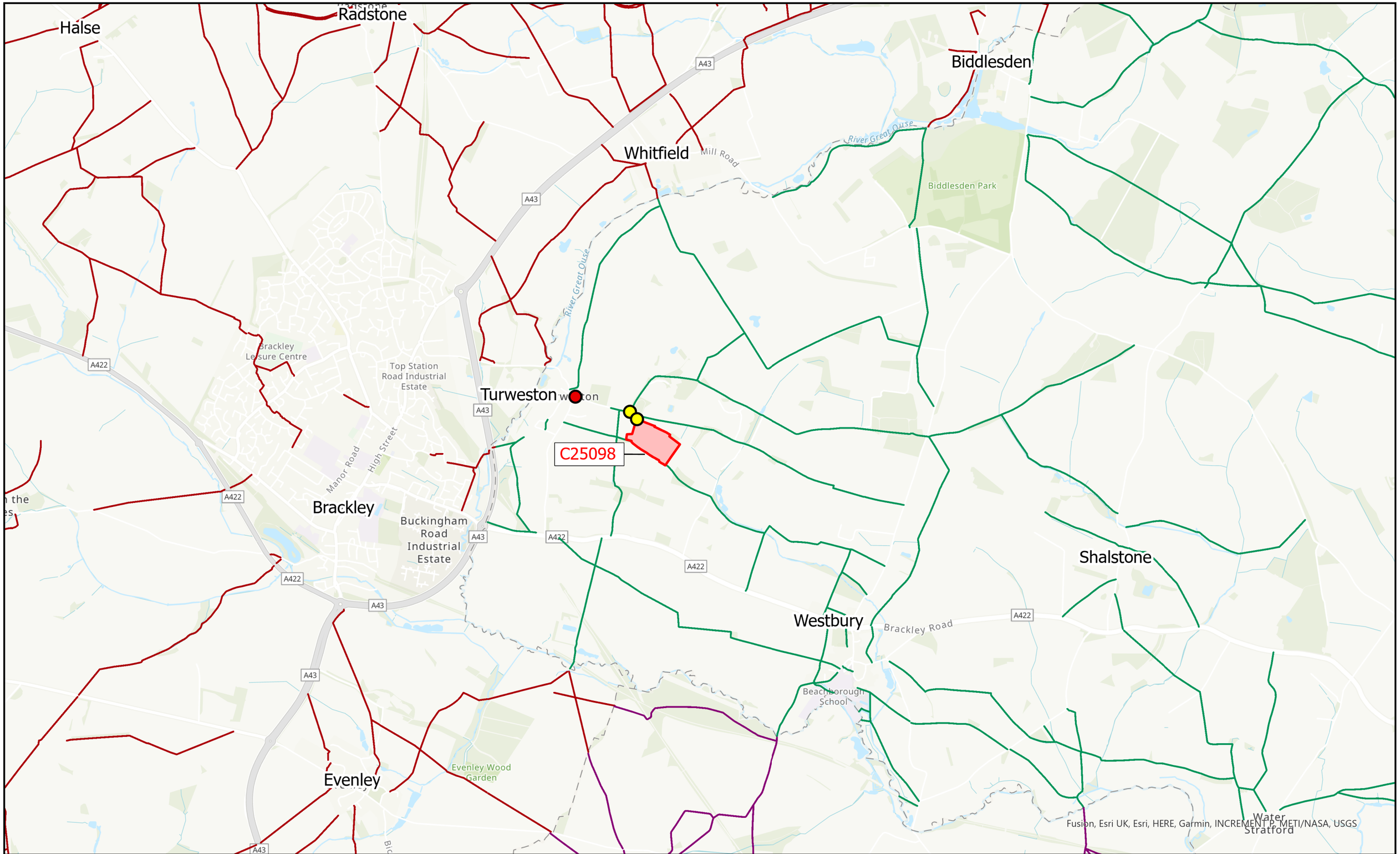
0 20 40 60 80 100
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

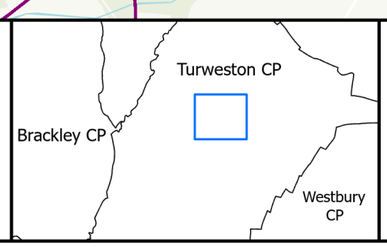
Date: 20/10/20

C25098 Turweston Glebe

Figures 1-4



- Field Access
- Site Access
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- County boundaries
- Public Rights of Way (Bucks)
- Public Rights of Way (Oxford)
- Public Rights of Way (Northants)



High Speed Two

Figure 2.1
Turweston
Test Pit Evaluation Area
and Site Location

Published

HS2

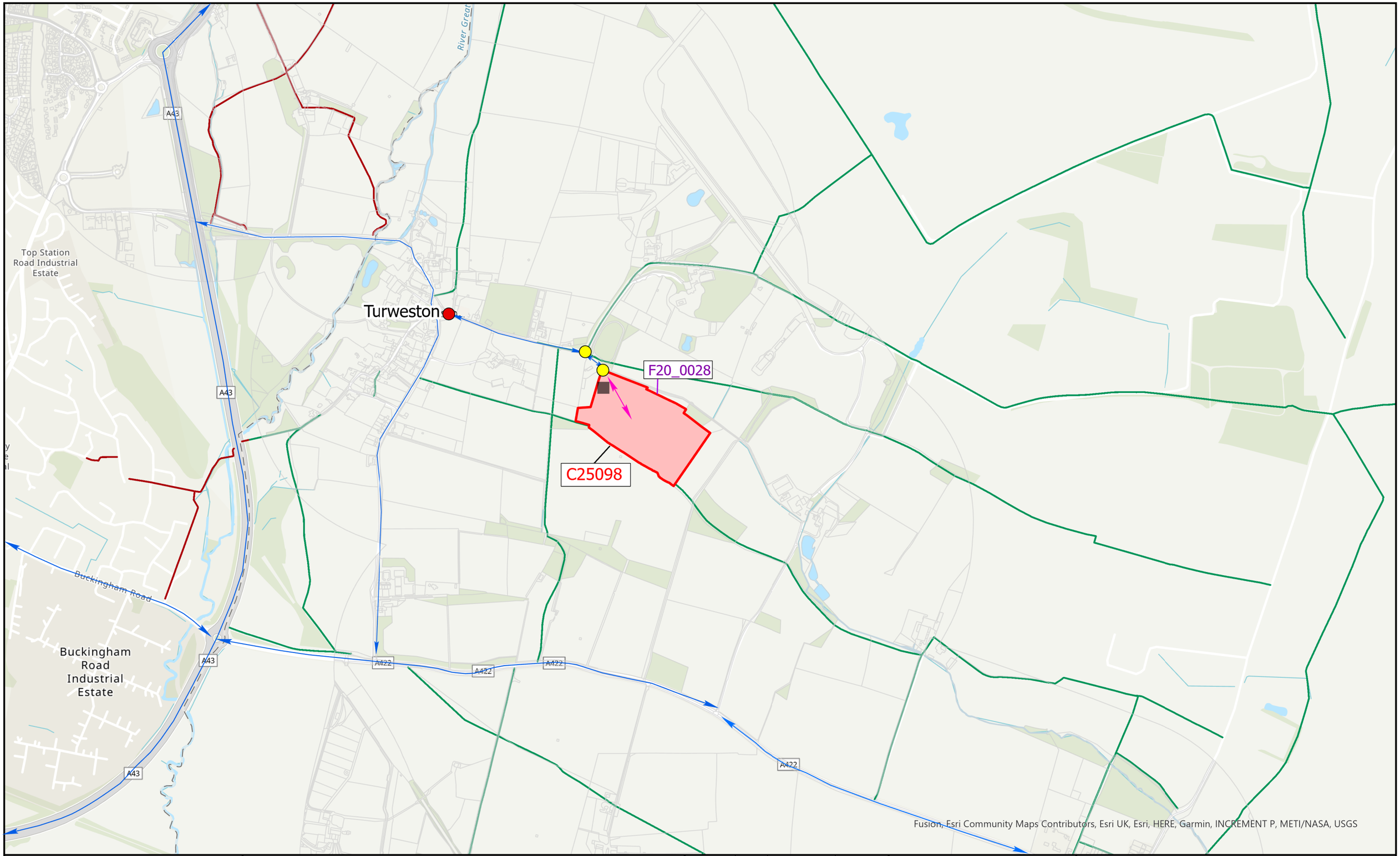
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:25,000

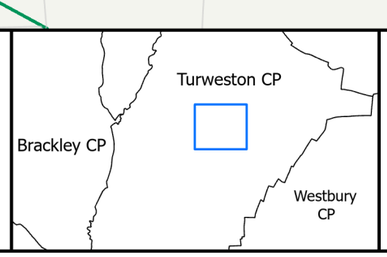
0 250 500 750 1,000
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 16/10/20



- Field Open Access
- Site Access
- SWF
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- XXXXXX Field ID No.
- Public Rights of Way (Bucks)
- Public Rights of Way (Northants)
- County boundaries
- Access Route
- 4X4 Route



High Speed Two

Figure 2.2
Turweston Glebe
Site Logistics and
Traffic Management Plan

Published

HS2

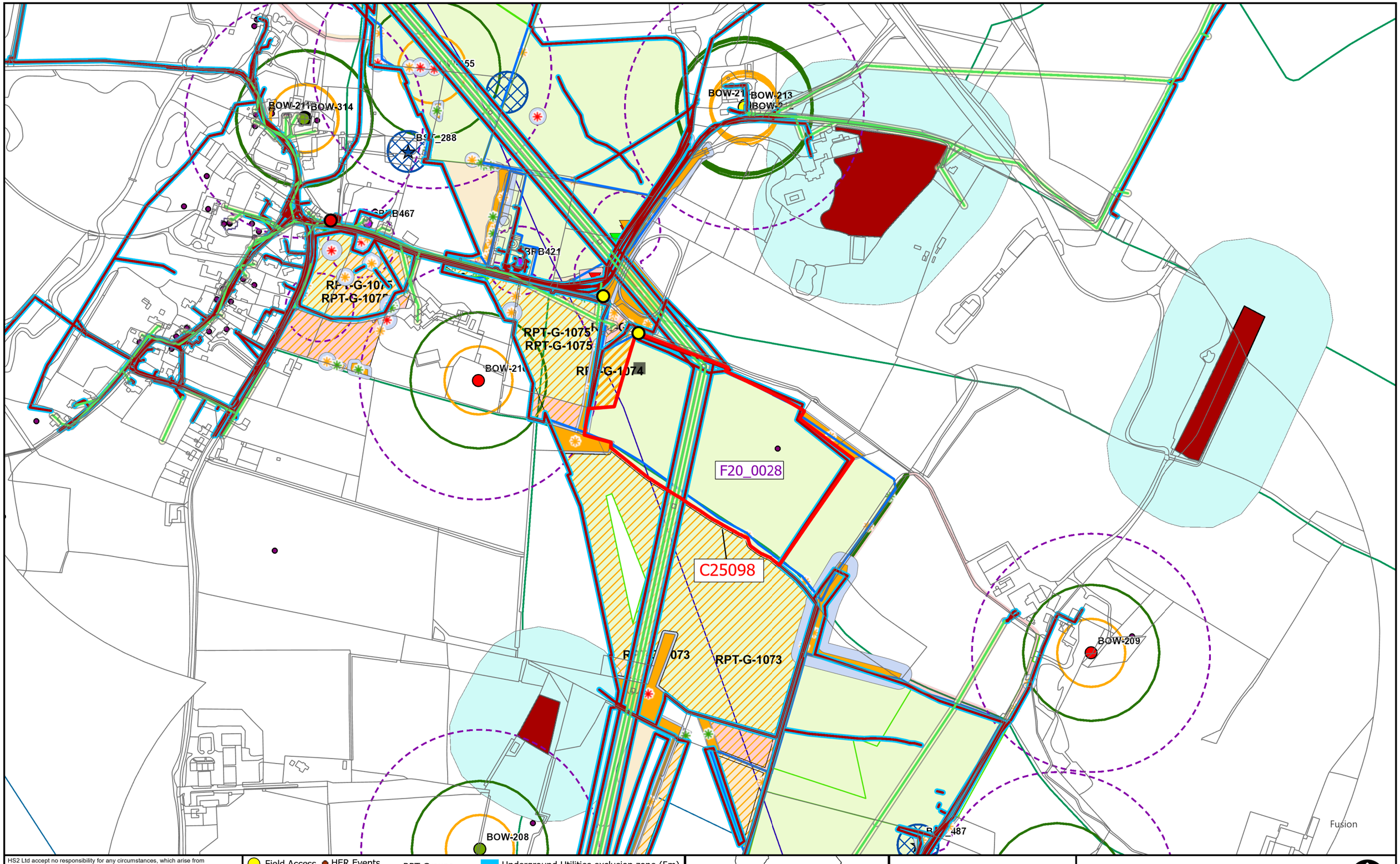
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:10,000

0 80 160 240 320 400
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 16/10/20



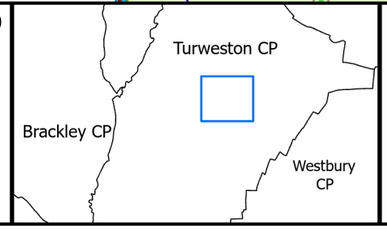
Field Access
Site Access
Existing Field Gates
SWF
Site Boundary
Public Rights of Way (Bucks)
Public Rights of Way (Northants)
CXXXXX Fusion Site GIS ID No.
XXXXXX Field ID No.

HER Events
HER Monuments

RPT Groups
Medium Low
Overhead Utilities
Underground Utilities
Practical completion of PAS128 in field
PAS128 partially complete in field (please contact PAs128 team for more detail)
No PAS128 data for field

Underground Utilities exclusion zone (5m)
Overhead Utilities exclusion zone (10m)
Ancient Woodland
Ancient Woodland 100m Buffer

Barn Owls
High Low
Barn Owl 50m buffer
Barn Owl 100m buffer
Barn Owl Disturbance buffers (175m)



High Speed Two

Figure 2.3
Utilities and Hazard Locations: Turweston Glebe

Published

HS2

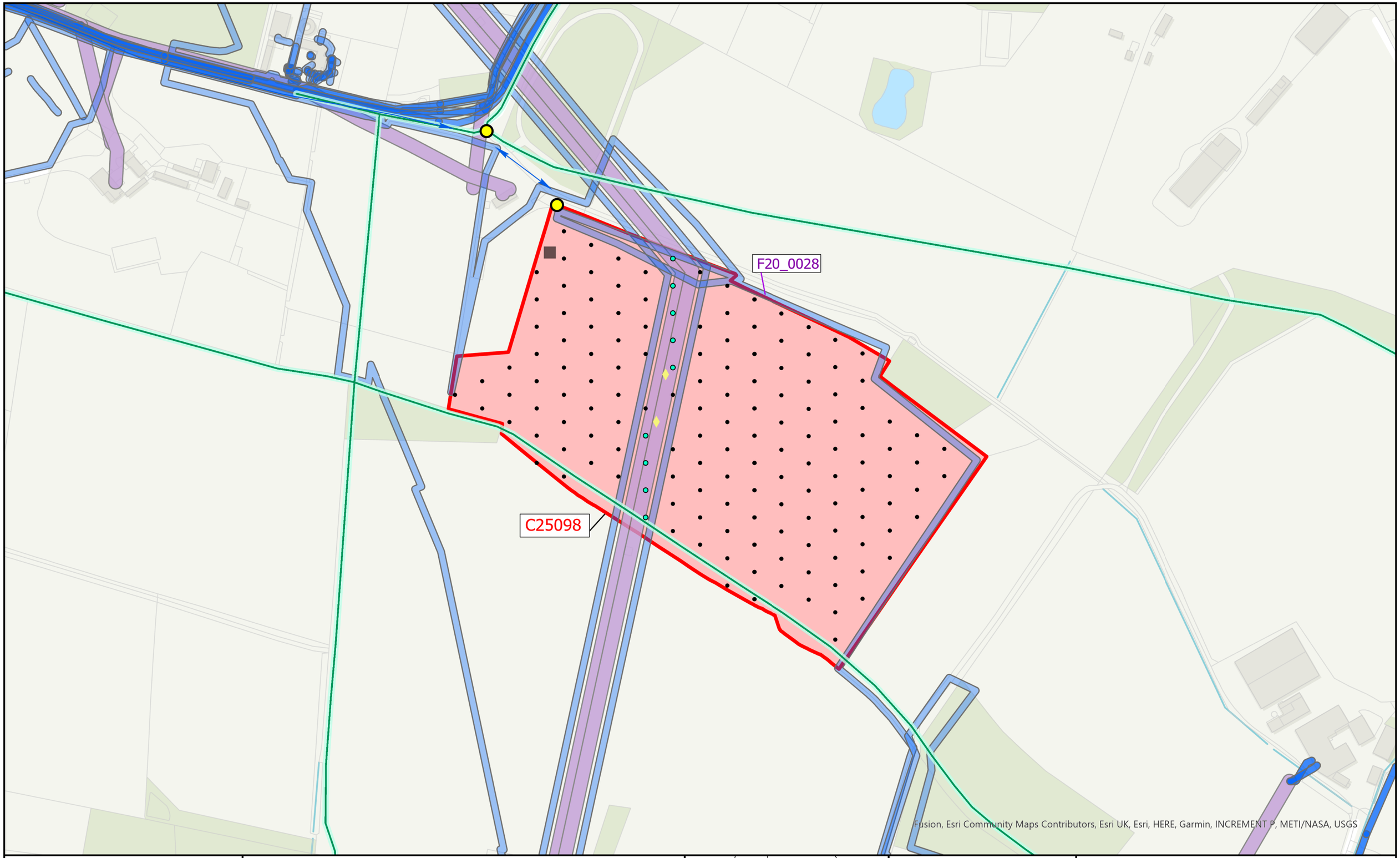
Scale at A3: 1:5,000

0 40 80 120 160 200
Metres

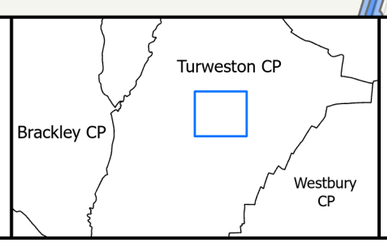
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 16/10/20



- Field Access
- Site Access
- SWF
- Goal posts
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- XXXXXX Field ID No.
- County boundaries
- Public Rights of Way (Bucks)
- Public Rights of Way (Northants)
- Access Route
- Proposed Test Pits (Machine Excavated)
- Proposed Test Pits (Hand Excavated)
- Public Rights of Way Exclusion Zone (4m)
- Underground Services Exclusion Zone (5m)
- Overhead Services Exclusion Zone (10m)



High Speed Two

Figure 2.4
Turweston Glebe
Evaluation Area
Test Pit Locations

Published

HS2

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Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:2,500

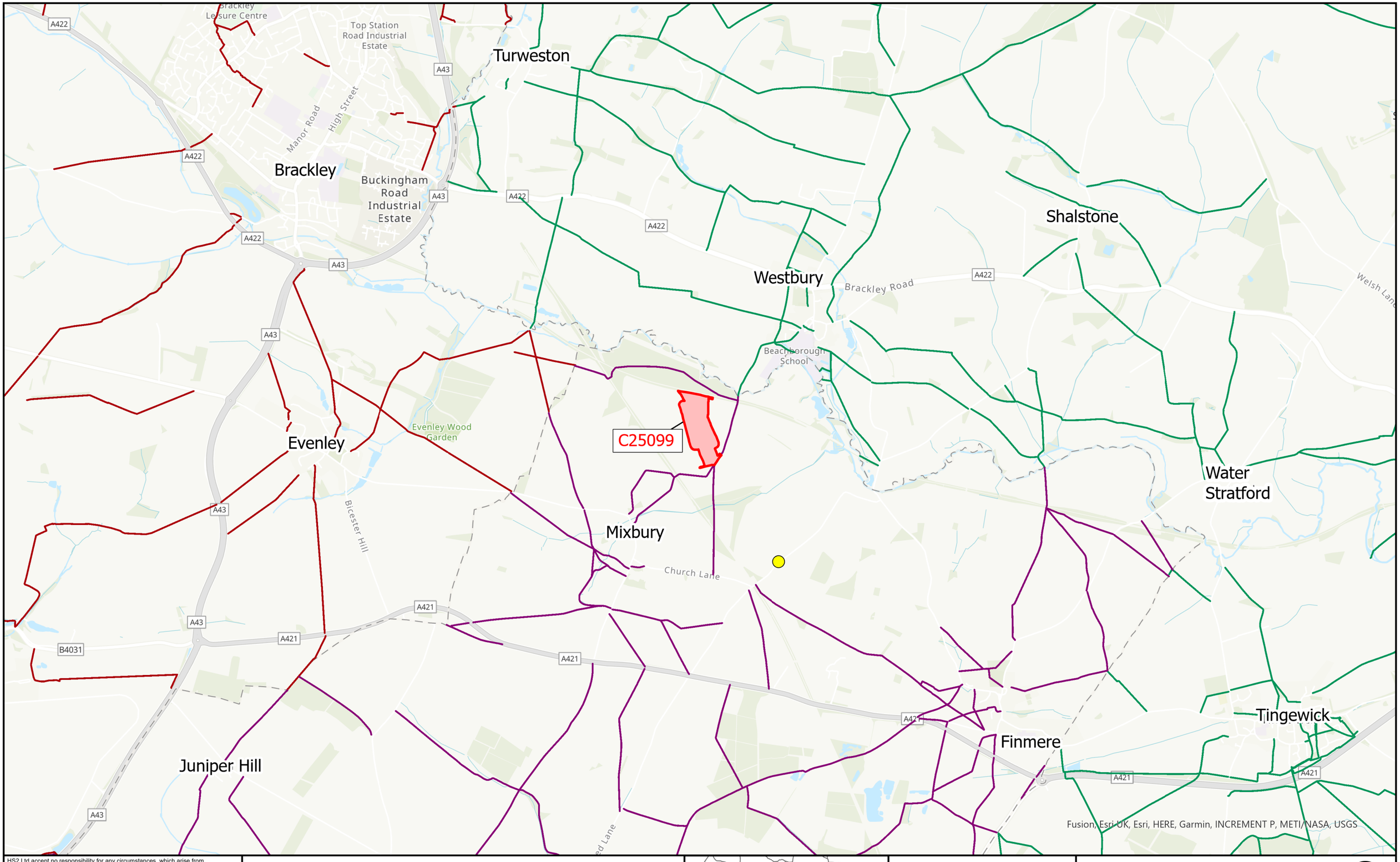
0 20 40 60 80 100
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

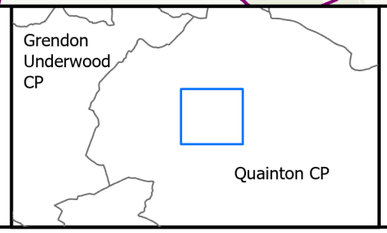
Date: 20/10/20

C25099 Mossycorner Lane

Figures 1-4



- Access Point and Garic Parking Area
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- Public Rights of Way (Bucks)
- Public Rights of Way (Oxford)
- Public Rights of Way (Northants)
- County boundaries



High Speed Two

Figure 7.1
Mossycorner Lane
Test Pit Evaluation Area
and Site Location

Published

HS2

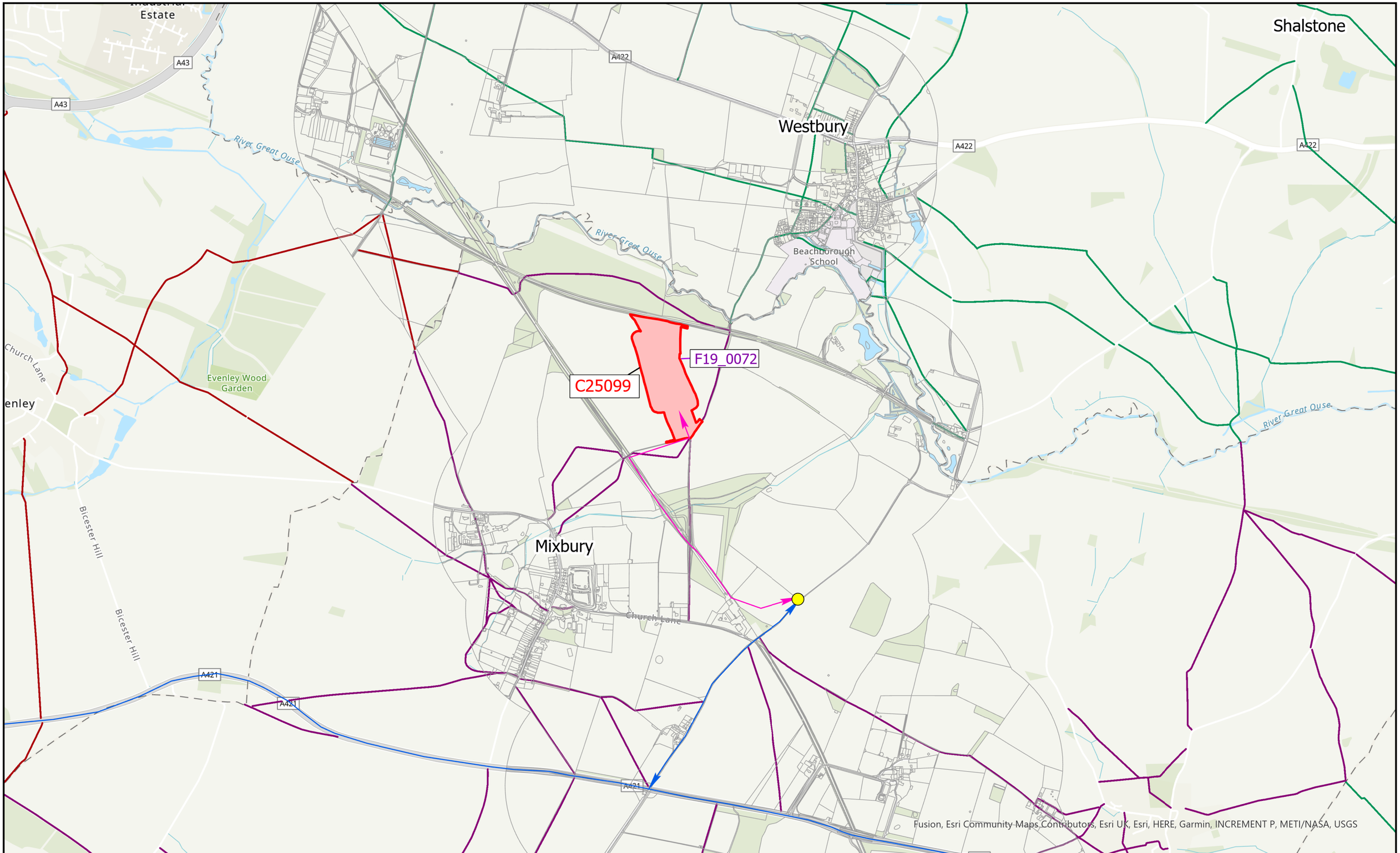
Scale at A3: 1:25,000

0 250 500 750 1,000
Metres

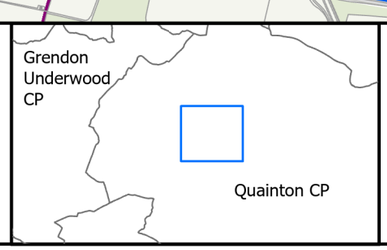
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 06/10/20



- Access Point and Garic Parking Area
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- XXXXXX Field ID No.
- Access Route
- 4X4 Route
- Public Rights of Way (Bucks)
- Public Rights of Way (Oxford)
- Public Rights of Way (Northants)
- County boundaries



High Speed Two

Figure 7.2
Mossycorner Lane
Site Logistics and
Traffic Management Plan

Published

HS2

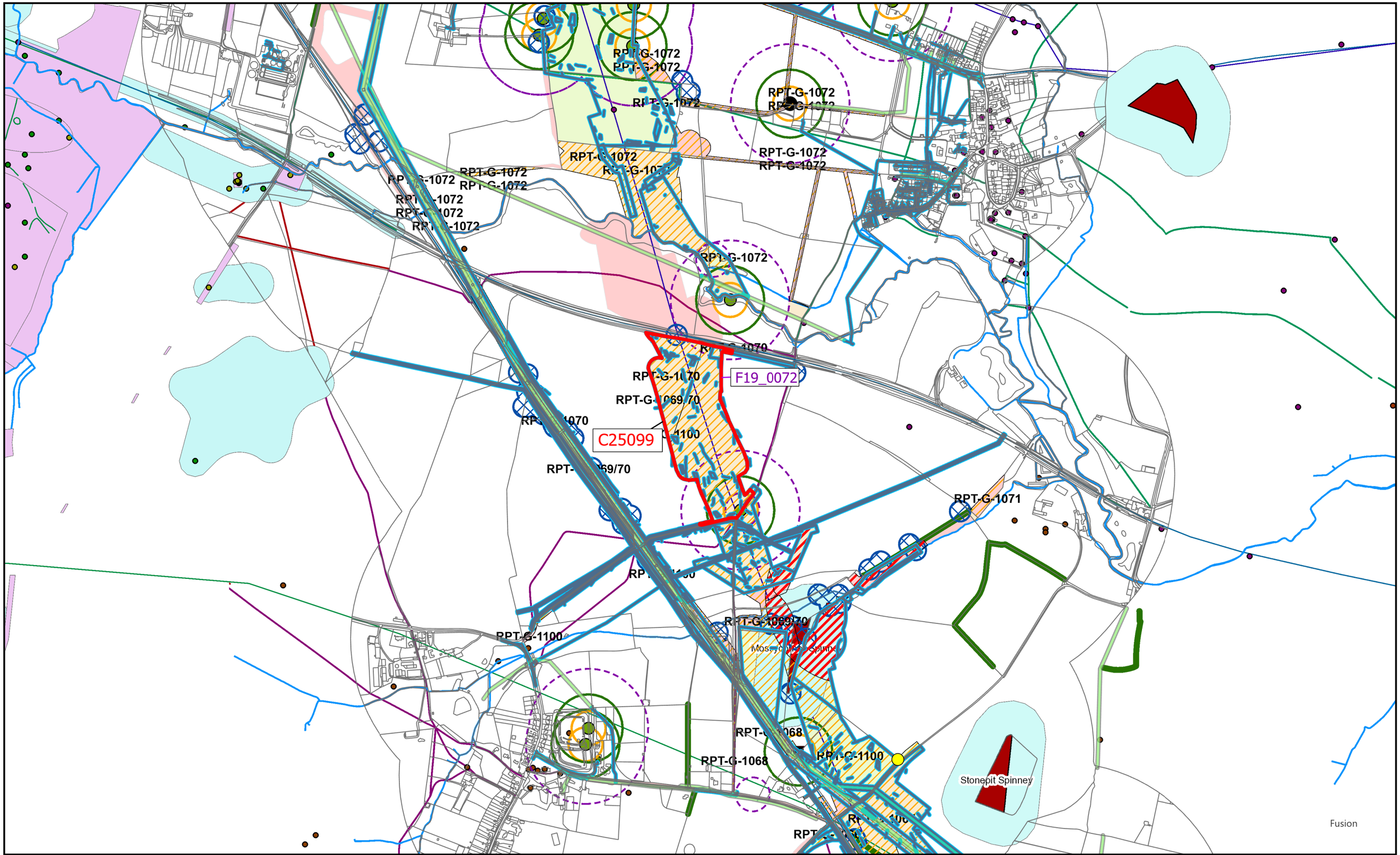
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:15,000

0 150 300 450 600
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

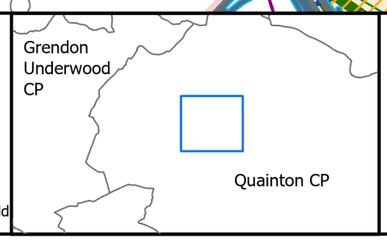
Date: 02/10/20



- Access Point and Parking area
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Site Boundary
- Public Rights of Way (Bucks)
- Public Rights of Way (Oxford)
- Public Rights of Way (Northants)

Individual Tree

- A - High quality
- B - Moderate quality
- C - Low quality
- Exceptional Tree
- Tree Crown Spread
- Tree Group
- Important Hedgerow
- Low RPT Groups
- HER Events
- HER Monuments
- CGN - Medium Population
- Woodland
- Barn Owl 50m buffer
- Barn Owl 100m buffer
- Barn Owl Disturbance buffers (175m)
- Ancient Woodland
- Ancient Woodland Buffer (100m)
- Bat Tree Roosts Disturbance Buffers (50m)
- Badger Setts Disturbance Buffers (30m)
- Overhead Utilities
- Underground Utilities
- Underground Utilities Exclusion Zone (5m)
- Overhead Utilities Exclusion Zone (10m)
- Practical completion of PAS128 in field
- PAS128 partially complete in field
- No PAS128 data for field



High Speed Two

Figure 7.3
Utilities and Hazard Locations:
Mossycorner Lane

Published

HS2

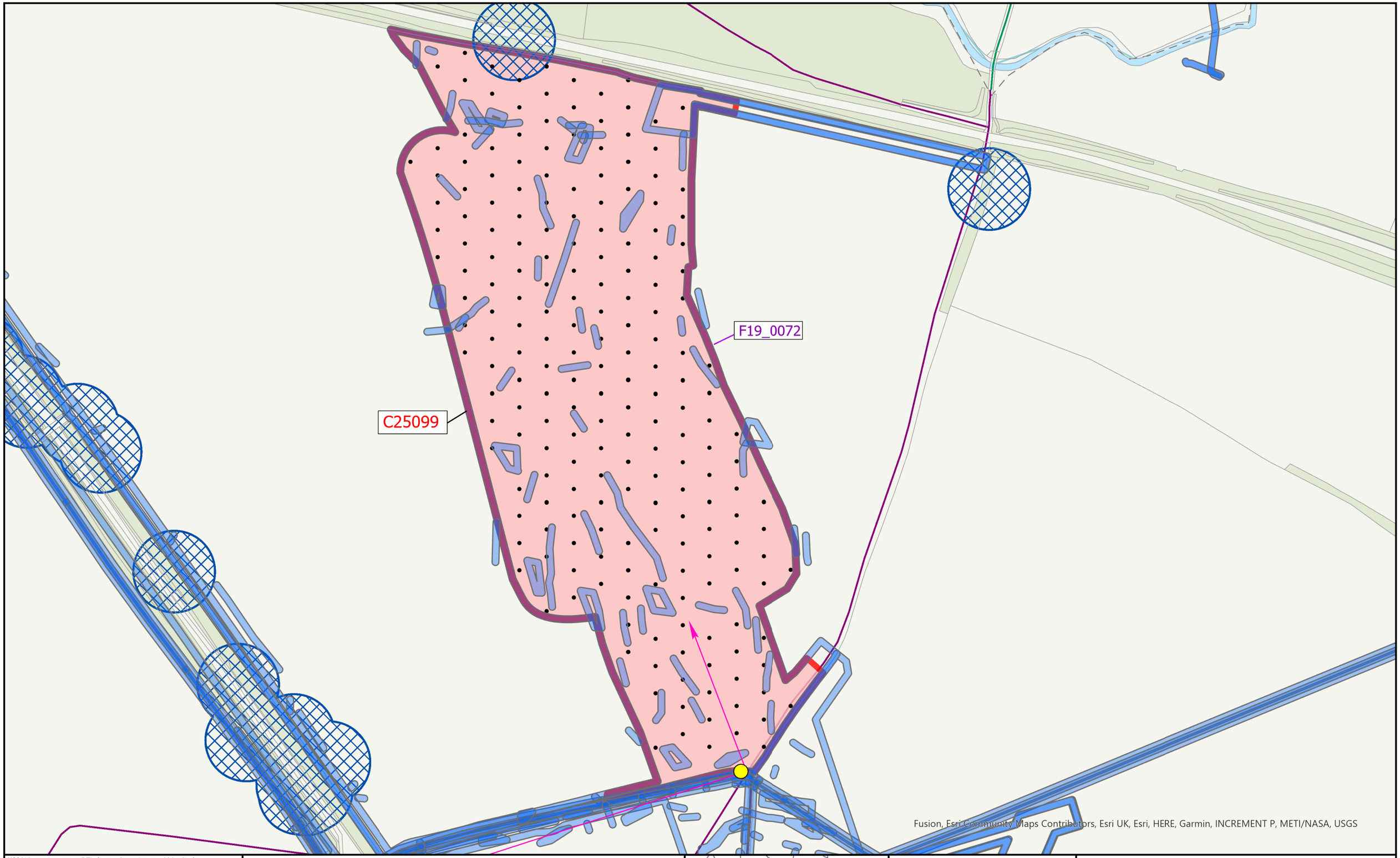
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:10,000

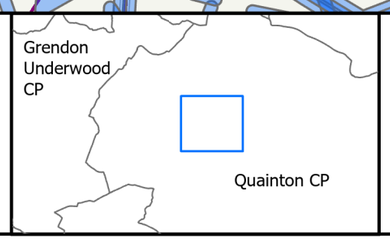
0 80 160 240 320 400
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 06/10/20



- Access Point
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- XXXXXX Field ID No.
- 4X4 Route
- Underground Services Exclusion Zone (5m)
- Public Rights of Way (Bucks)
- Public Rights of Way (Oxford)
- Public Rights of Way (Northants)
- County boundaries
- Proposed Test Pits
- Badger Setts Disturbance Buffers (30m)



High Speed Two

Figure 7.4
Mossycorner Lane
Evaluation Area
Test Pit Locations

Published

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Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:2,500

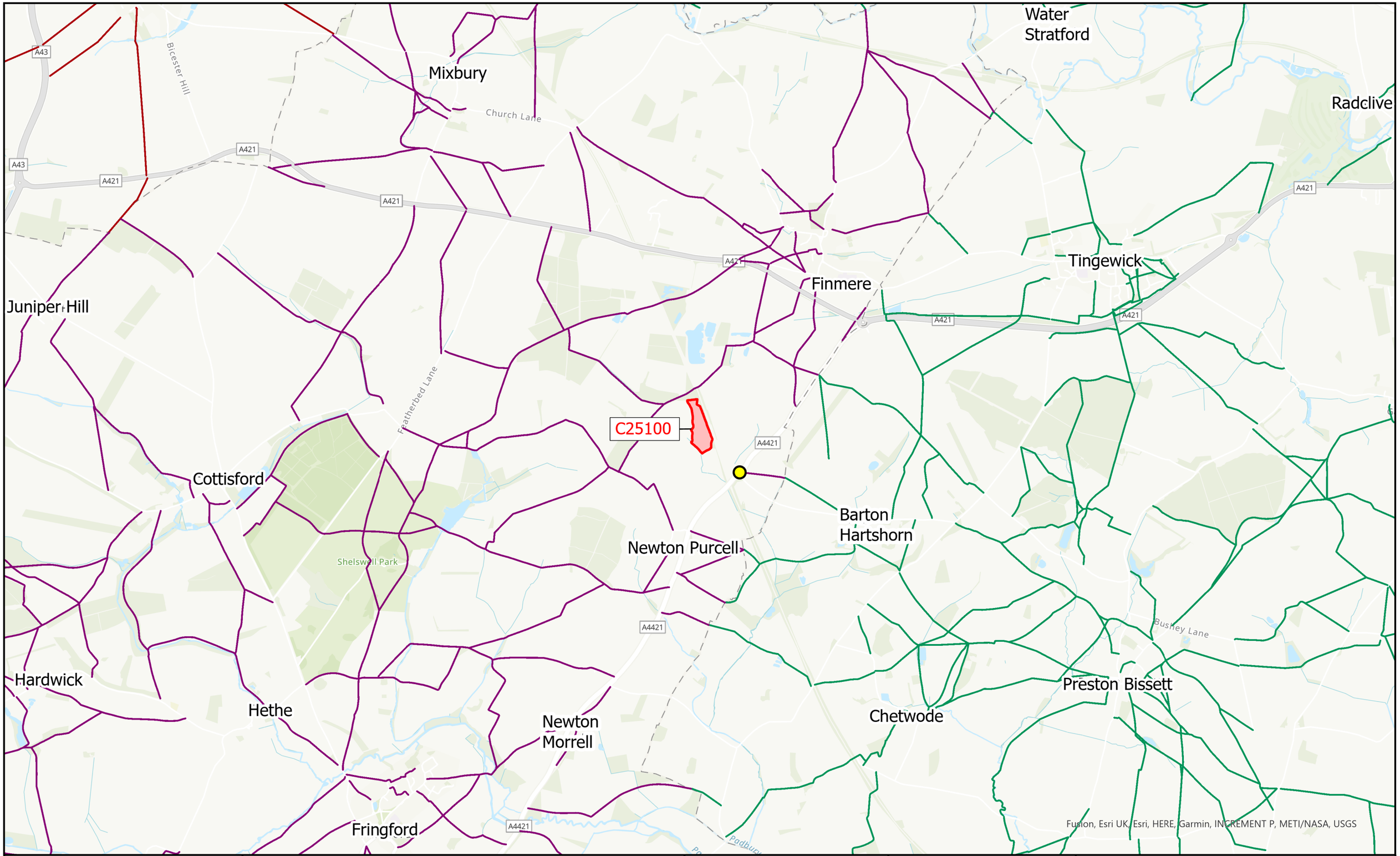
0 20 40 60 80 100
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

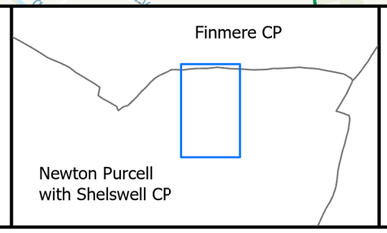
Date: 20/10/20

C25100 Finmere

Figures 1-4



- Access Point
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- Public Rights of Way (Bucks)
- Public Rights of Way (Oxford)
- County boundaries



High Speed Two

Figure 3.1
Finmere
Test Pit Evaluation Area and Site Location

Published

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Scale at A3: 1:25,000

0 250 500 750 1,000
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 16/10/20

F18_0055

C25100

F18_0051

A4421

A4421

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- Access Point
- Breakthrough Required
- Existing Breakthrough
- SWF
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- Public Rights of Way (Oxford)
- County boundaries
- Tracking Route
- Main Access Route

Finmere CP

Newton Purcell with Shelswell CP

High Speed Two

Figure 3.2
Finmere
Site Logistics and
Traffic Management Plan

Published

HS2

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:2,500

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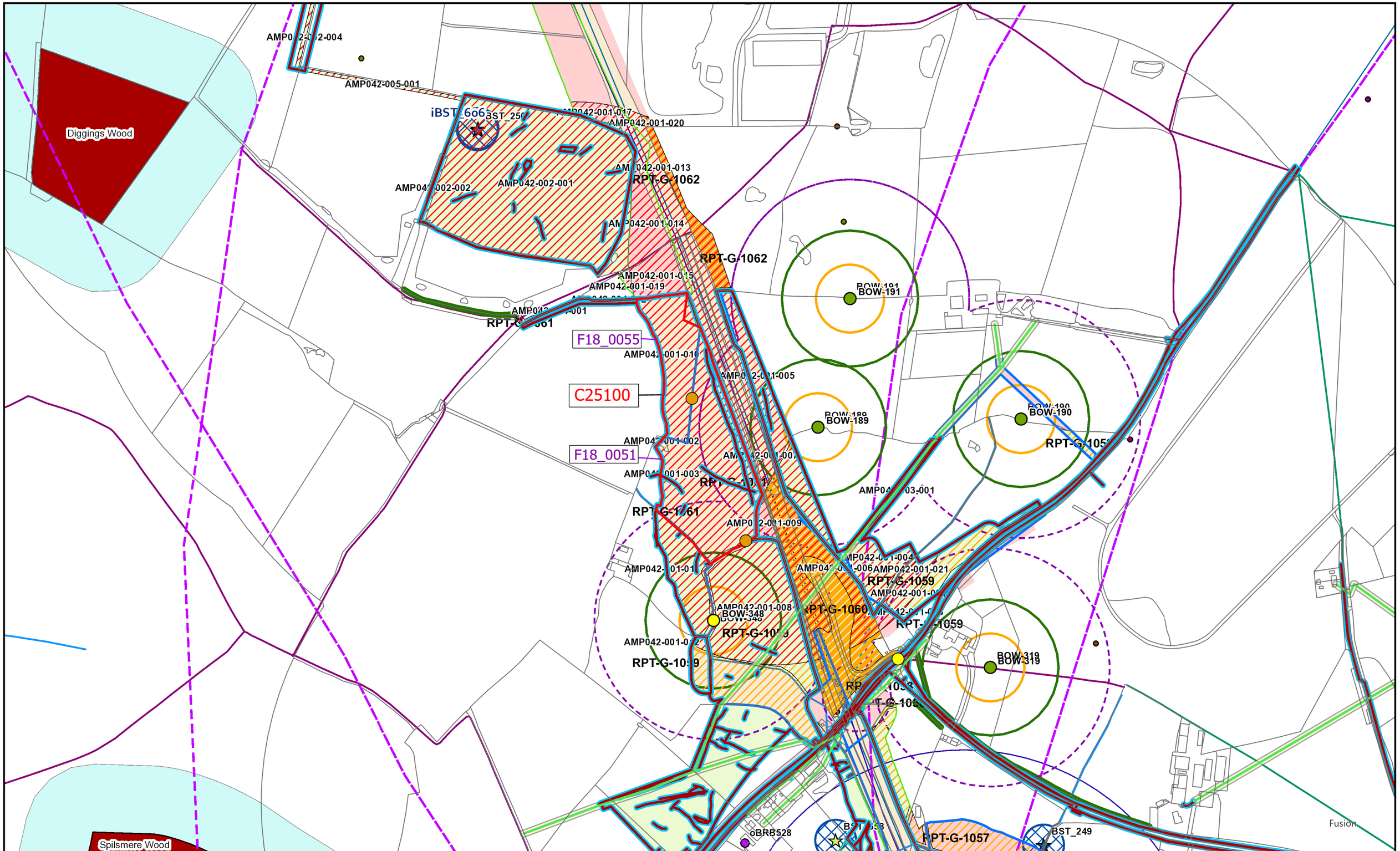
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 19/10/20



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- Access Point
- Modular Ditch Crossing
- Existing Breakthrough
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- Public Rights of Way (Oxford)
- HER Events
- HER Monuments

RPT Groups: High, Low

Amphibians: High, Low

- Overhead Utilities
- Underground Utilities
- Practical completion of PAS128 in field
- PAS128 partially complete in field
- No PAS128 data for field
- SSSI Impact Risk Zone (Nov 2019)
- Underground Utilities Exclusion Zone (5m)
- Overhead Utilities Exclusion Zone (10m)
- Ancient Woodland
- Ancient Woodland 100m Buffer

Barn Owls: Medium, Low

- Barn Owl 50m buffer
- Barn Owl 100m buffer
- Barn Owl Disturbance buffers (175m)

Finmere CP

Newton Purcell with Shelswell CP

High Speed Two

Figure 3.3
Utilities and Hazard Locations: Finmere

Published

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Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

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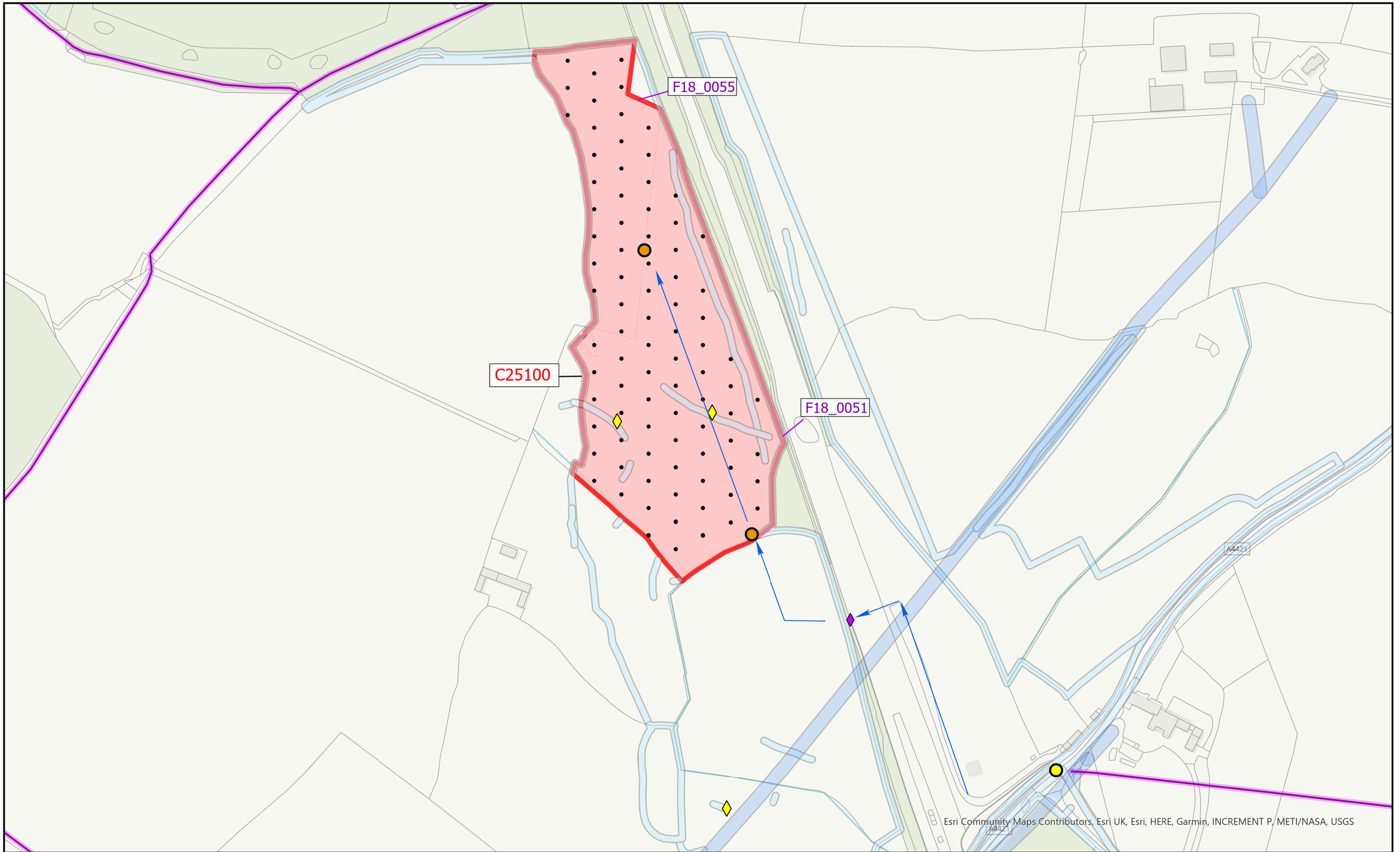
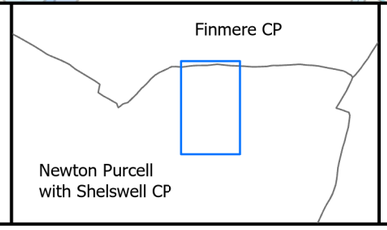
Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 19/10/20



- Access Point and Parking area
- Breakthrough Required
- Existing Breakthrough
- Utilities Crossing Point
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- County boundaries
- Public Rights of Way (Bucks)
- Public Rights of Way (Oxford)
- Public Rights of Way exclusion zone (4m)
- Underground services exclusion zone (5m)
- Overhead services exclusion zone (10m)
- Tracking Route
- Main Access Route
- Proposed Test Pits (Machine Excavated)



High Speed Two

Figure 3.4
Finmere Evaluation Area
Test Pit Locations

Published

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Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:2,500

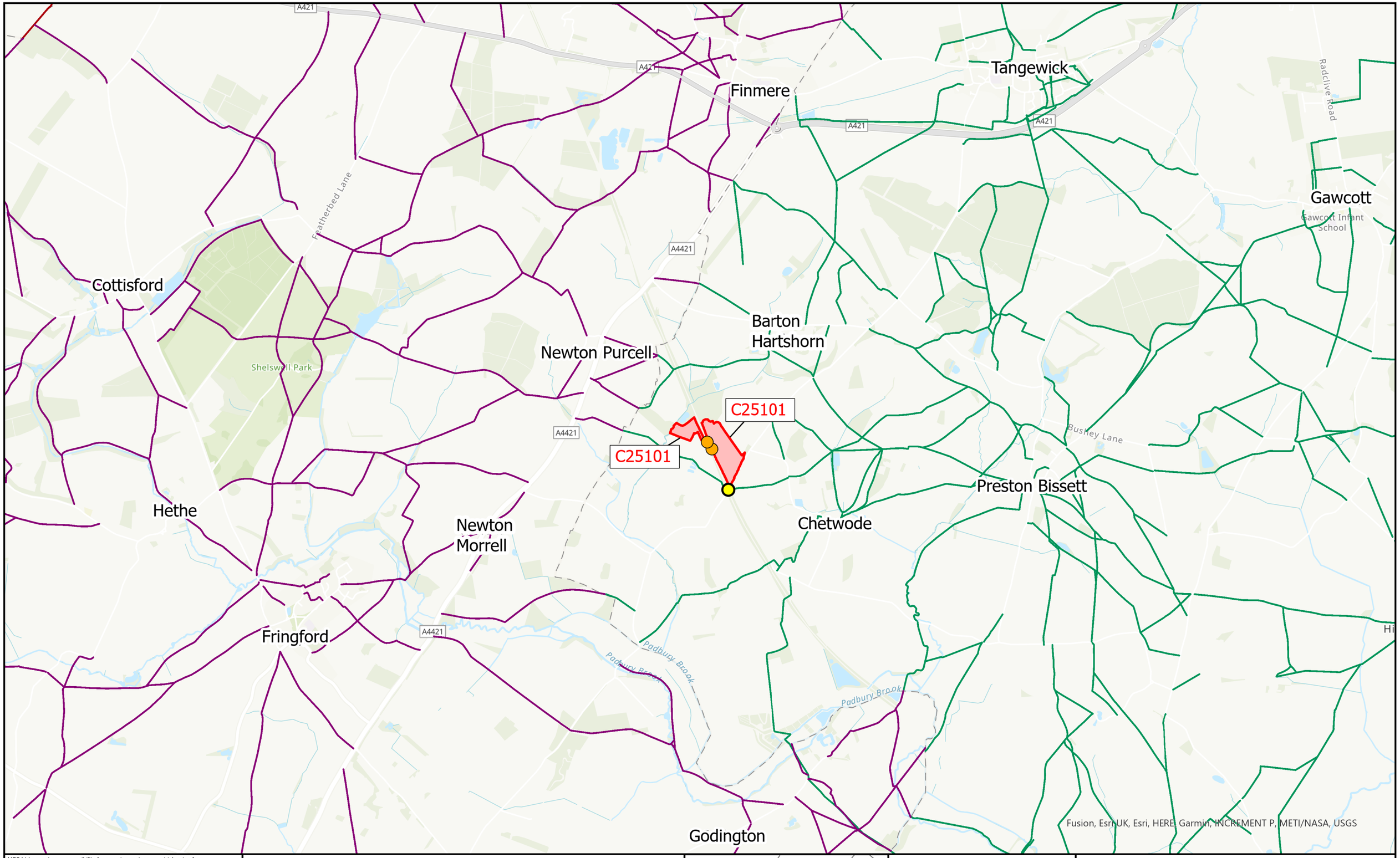
0 20 40 60 80 100
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

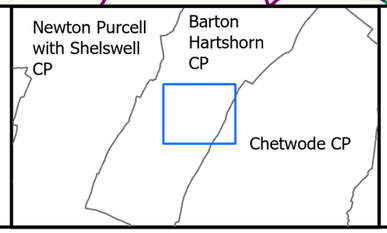
Date: 20/10/20

C25101 Chetwode

Figures 1-4



- Site Access
- Field Access
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- Public Rights of Way (Bucks)
- Public Rights of Way (Oxford)
- County boundaries



High Speed Two

Figure 5.1
Chetwode
Test Pit Evaluation Area and Site Location

Published

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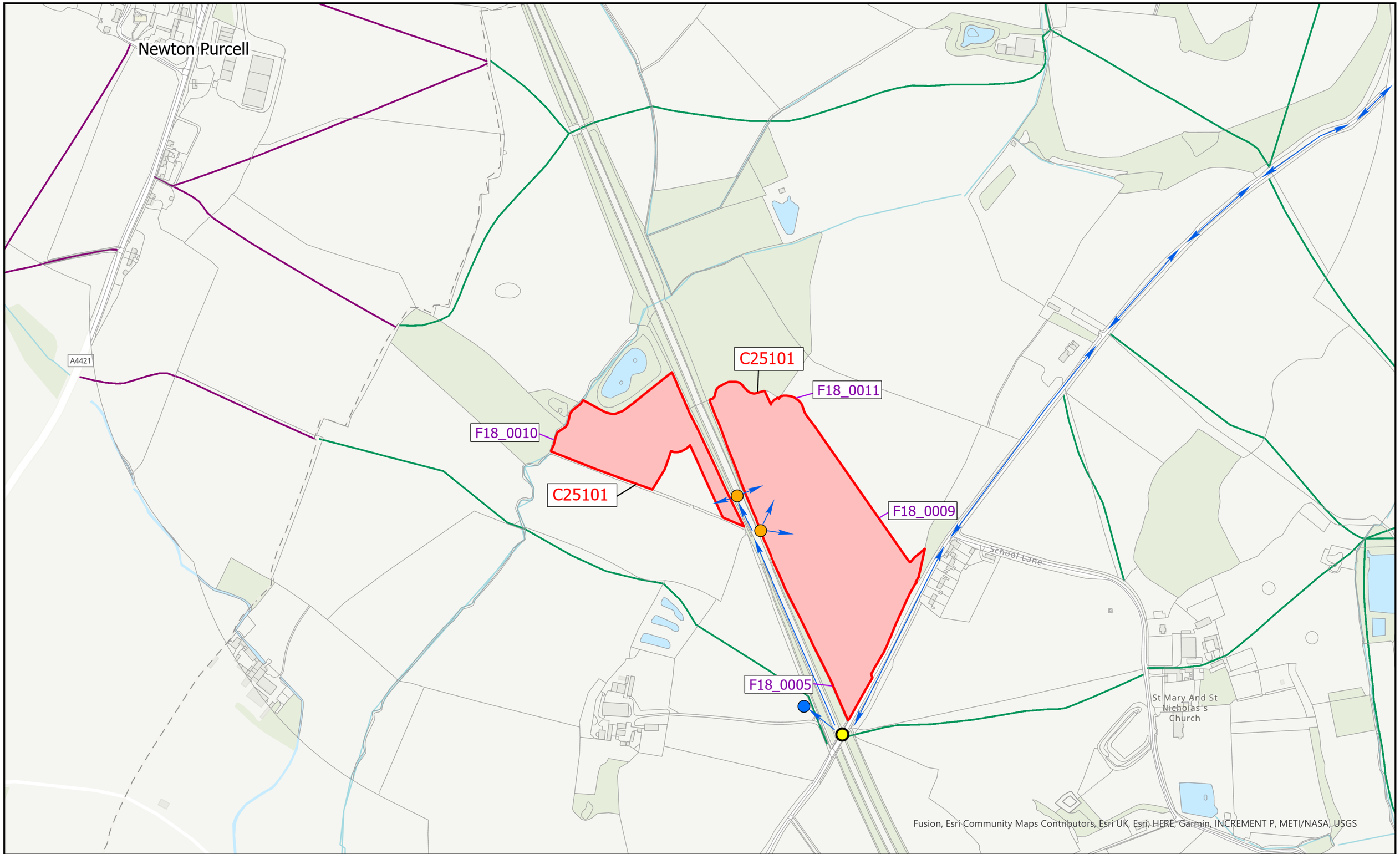
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:25,000

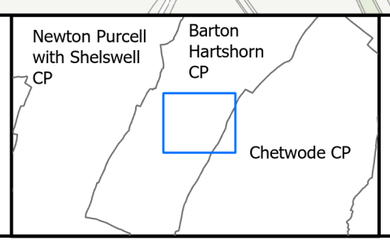
0 250 500 750 1,000
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 16/10/20



- Site Access
- Field Access
- Parking
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- Public Rights of Way (Oxford)
- County boundaries
- Tracking Route
- Main Access Route



High Speed Two

Figure 5.2
Chetwode
Site Logistics and
Traffic Management Plan

Published

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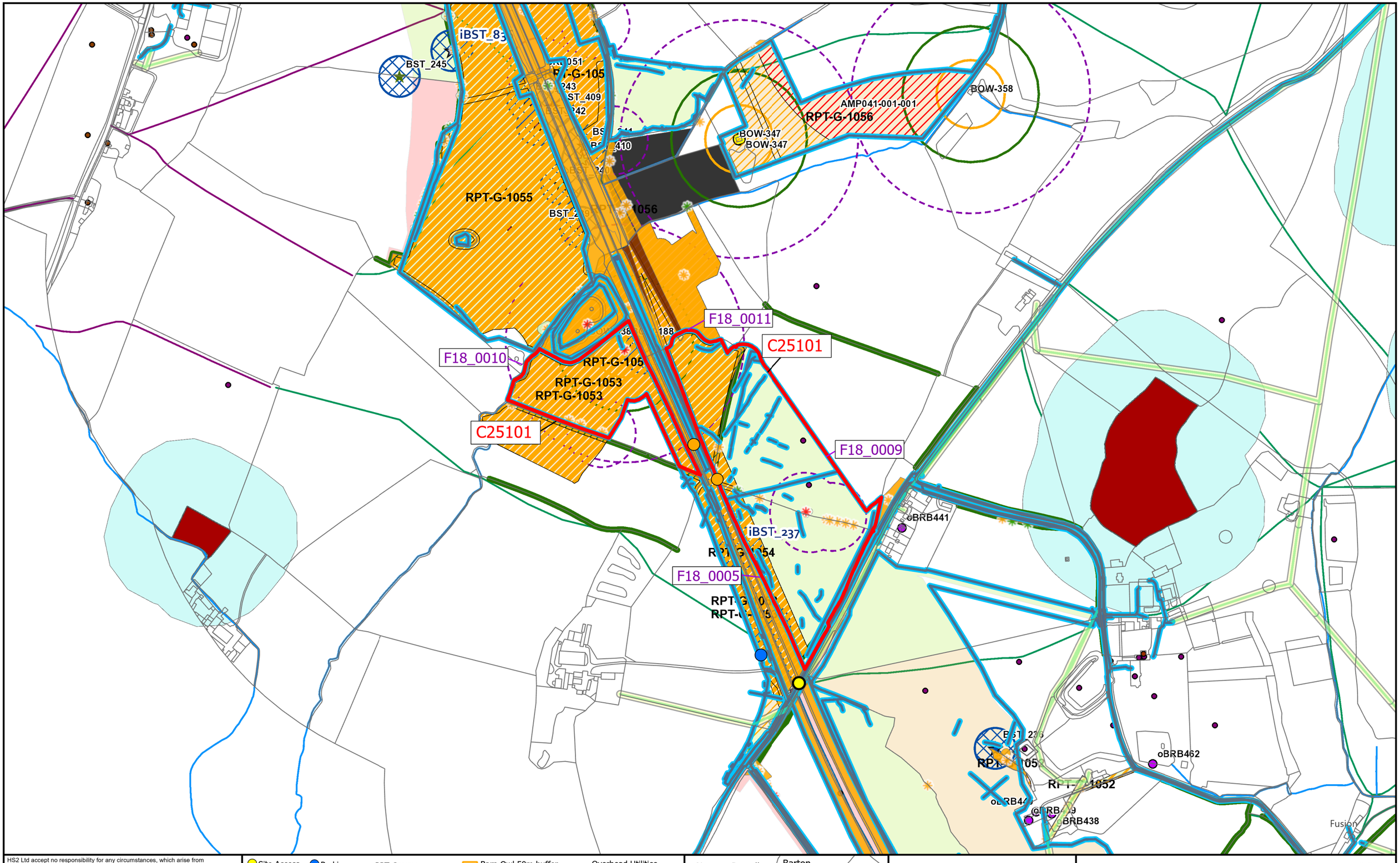
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 16/10/20



Site Access
Field Access
CXXXXX Fusion Site GIS ID No.
CXXXXX Field ID No.
Site Boundary
Public Rights of Way (Bucks)
Public Rights of Way (Oxford)
HER Events
HER Monuments
GCNs - Small Population
Parking
RPT Groups: High, Low
Woodland
Important Hedgerow
BUCKS Local Wildlife Sites
Individual Tree
Tree Crown Spread
A - High quality
B - Moderate quality
C - Low quality
Exceptional Tree
Tree Group

Barn Owl 50m buffer
Barn Owl 100m buffer
Barn Owl Disturbance buffers (175m)
Ancient Woodland
Ancient Woodland Buffer (100m)
Bat Tree Roosts Disturbance Buffers (50m)
Badger Setts Disturbance Buffers (30m)

Overhead Utilities
Underground Utilities
Underground Utilities Exclusion Zone (5m)
Overhead Utilities Exclusion Zone (10m)
Practical completion of PAS128 in field
PAS128 partially complete in field
No PAS128 data for field

Newton Purcell with Shelswell CP
Barton Hartshorn CP
Chetwode CP

High Speed Two

Figure 5.3
Utilities and Hazard Locations: Chetwode

Published

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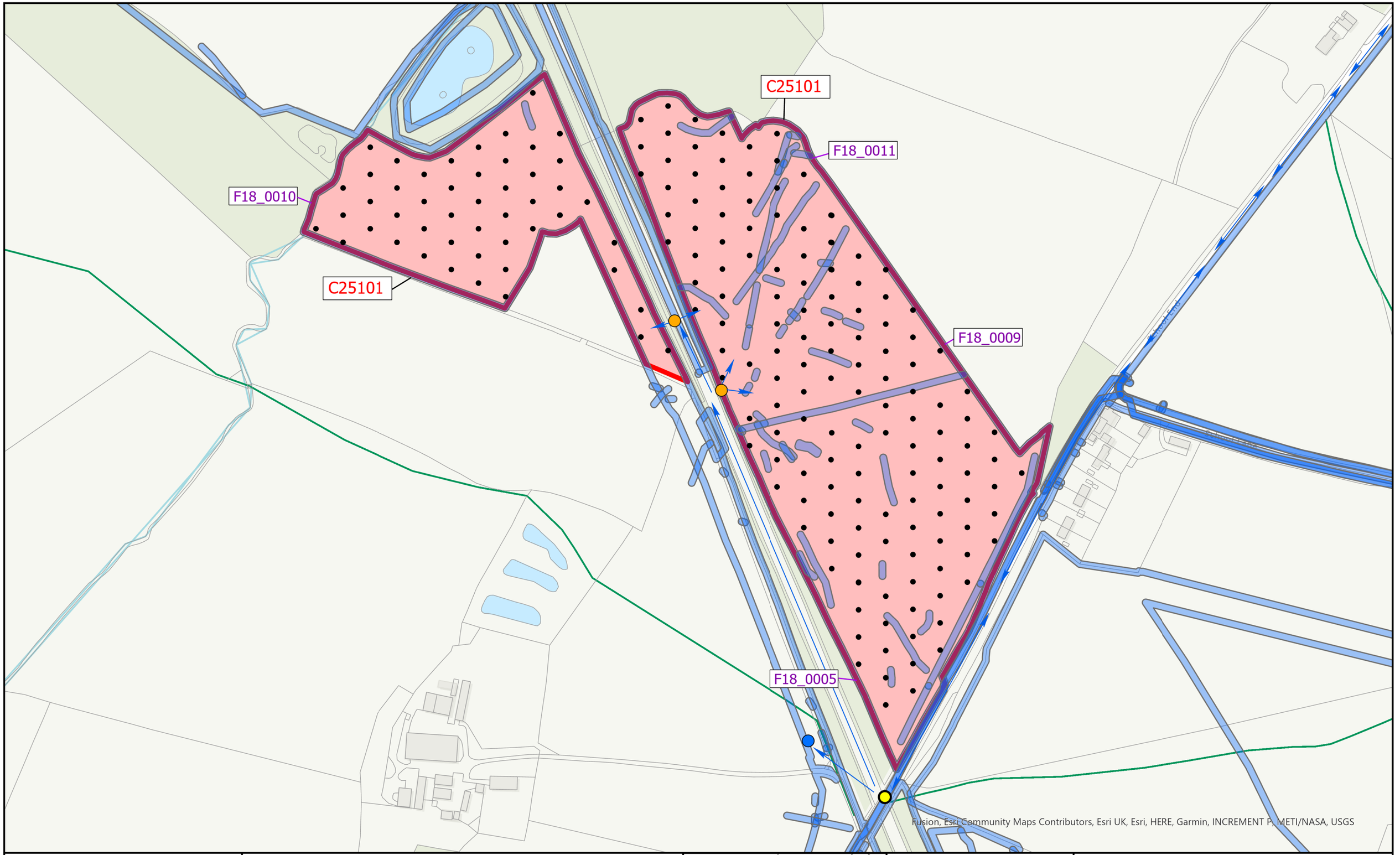
Scale at A3: 1:5,000

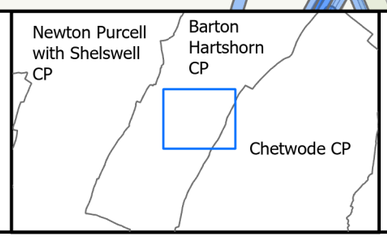
0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 16/10/20



- Site Access
- Field Access
- Parking
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Underground Services Exclusion Zone (5m)
- Public Rights of Way (Bucks)
- Public Rights of Way (Oxford)
- County boundaries
- Tracking Route
- Main Access Route
- Proposed Test Pits (Machine excavated)



High Speed Two

Figure 5.4
Chetwode Evaluation Area
Test Pit Locations

Published

HS2

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Scale at A3: 1:2,500

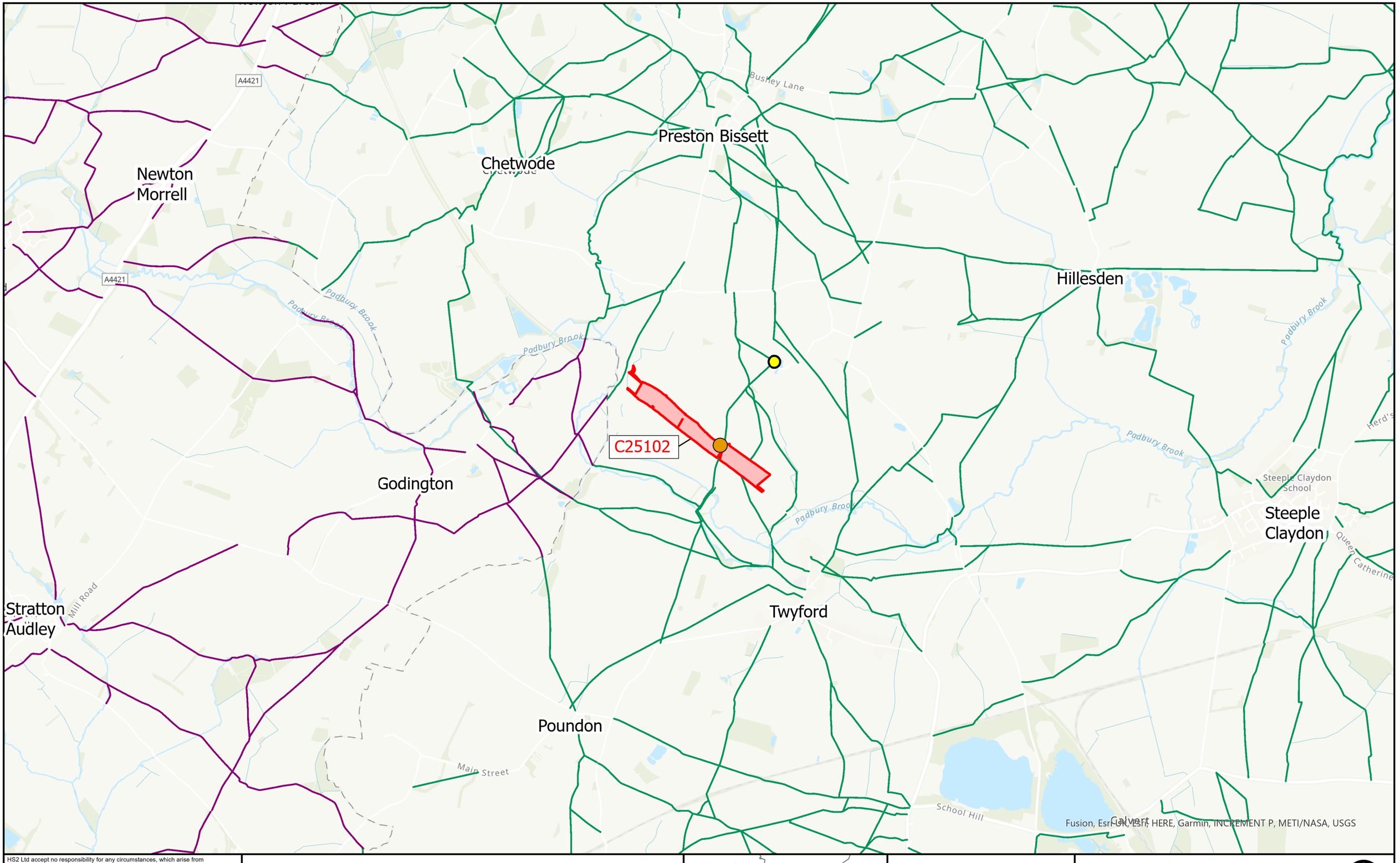
0 20 40 60 80 100
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

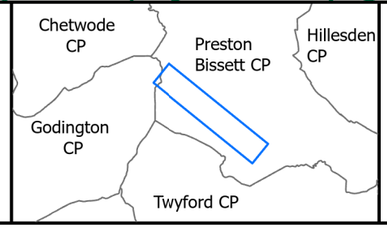
Date: 20/10/20

C25102 Goddington Padbury Brook

Figures 1-4



- Access Point
- Breakthrough Point
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- Public Rights of Way (Bucks)
- Public Rights of Way (Oxford)
- County boundaries



High Speed Two

Figure 4.1
Godington Padbury Brook Test Pit Evaluation Area and Site Location

Published

HS2

Scale at A3: 1:25,000

0 250 500 750 1,000 Metres

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Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 20/10/20

F17_0004

F17_0002

F17_0043

C25102

F16_0037

Padbury Brook

Padbury Brook

Fusion, Esri Community Maps Contributors, Esri UK, Esri, HERE, Garmin, INCREMENT P, METI/NASA, USGS

- Access Point
- Existing Breakthrough
- SWF Location
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- Public Rights of Way (Oxford)
- County boundaries
- Tracking Route
- Main Access Route

Chetwode CP

Preston Bissett CP

Hillesden CP

Godington CP

Twyford CP

High Speed Two

Figure 4.2
Godington Padbury Brook
Site Logistics and
Traffic Management Plan

Published

HS2

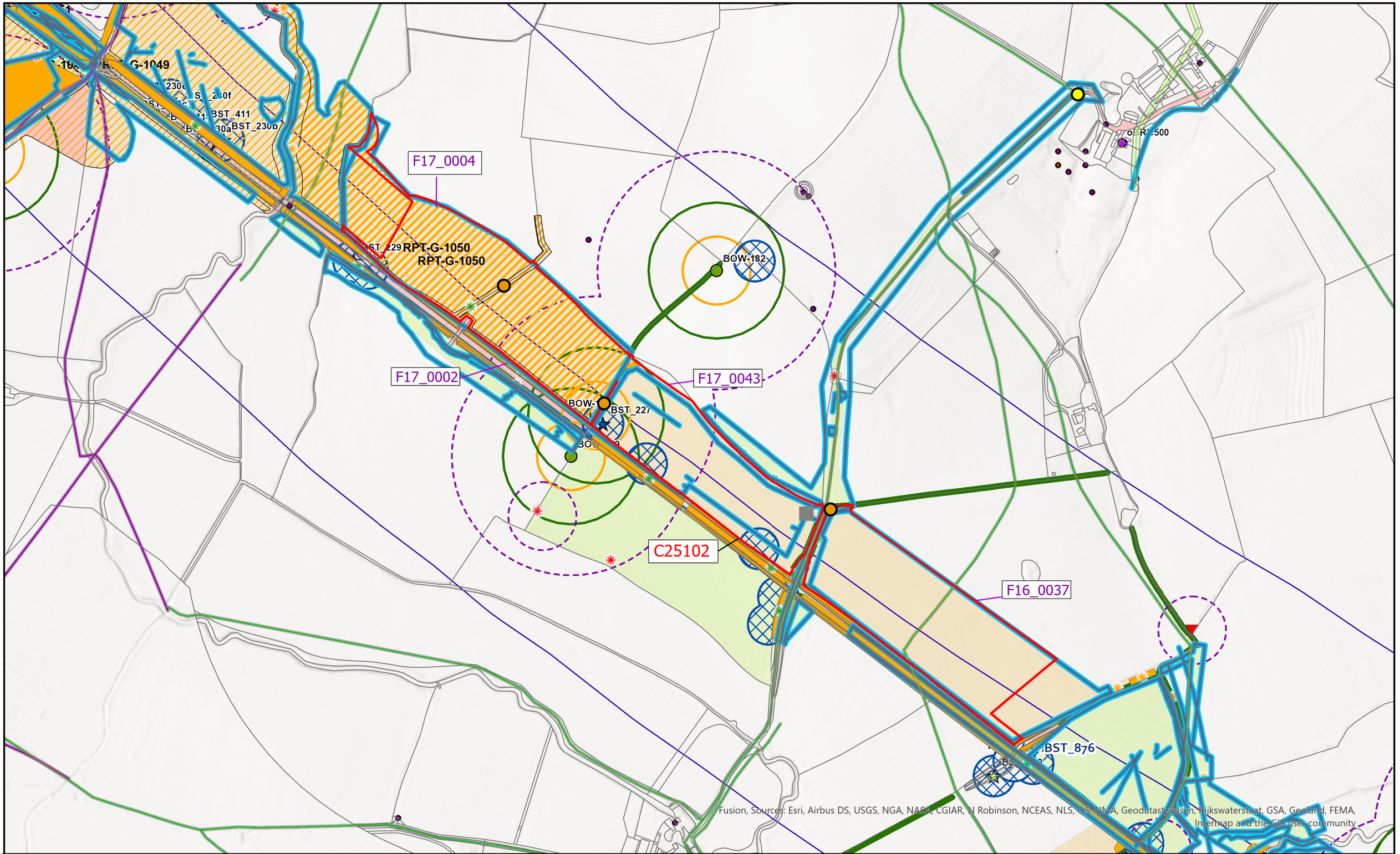
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 20/10/20



Access Point
Site Boundary
CXXXXX Fusion Site GIS ID No.
CXXXXX Field ID No.
Public Rights of Way (Bucks)
Public Rights of Way (Oxford)
HER Events
HER Monuments

Individual Tree
A - High quality
B - Moderate quality
C - Low quality
Exceptional Tree

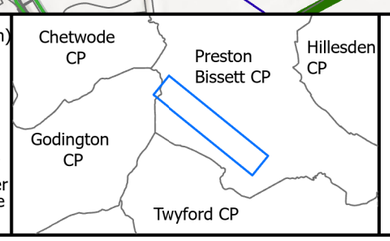
SWF

RPT Groups
Medium
Low

Bat Tree Roosts
Disturbance Buffers (50m)
Overhead Utilities
Underground Utilities
Practical completion of PAS128 in field
PAS128 partially complete in field
No PAS128 data for field
Badger Setts Disturbance Buffers (30m)

Underground Utilities Exclusion Zone (5m)
Overhead Utilities Exclusion Zone (10m)
Ancient Woodland
Ancient Woodland 100m Buffer

Barn Owls
Low
Barn Owl 50m buffer
Barn Owl 100m buffer
Barn Owl Disturbance buffers (175m)



High Speed Two

Figure 4.3
Utilities and Hazard Locations:
Godington Padbury Brook

Published

HS2

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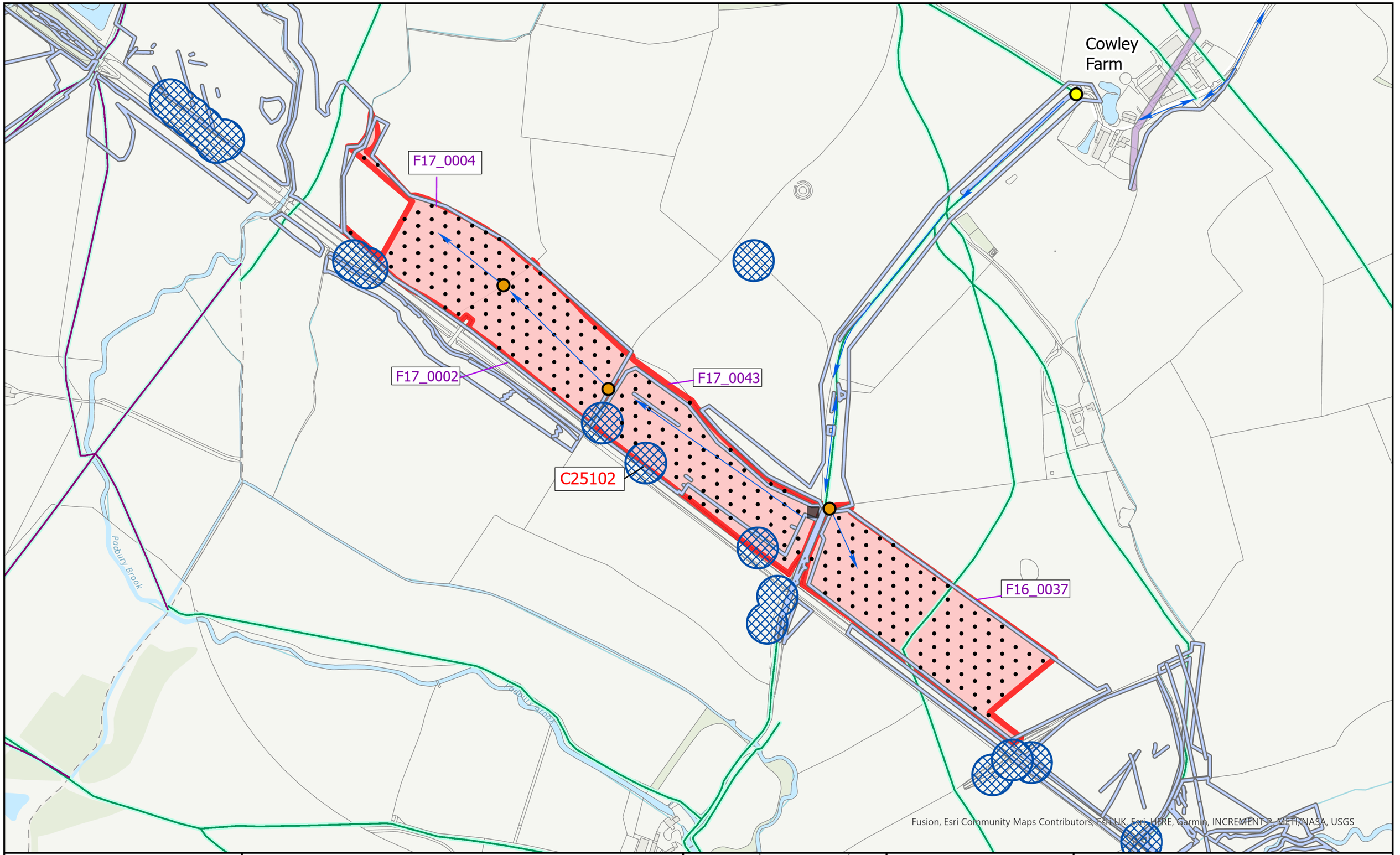
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

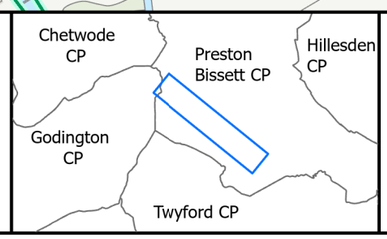
0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 20/10/20



- Access Point
- SWF Location
- Existing Breakthrough
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- County boundaries
- Badger Setts Disturbance Buffers (30m)
- Public Rights of Way (Bucks)
- Public Rights of Way (Oxford)
- Public Rights of Way Exclusion Zone (4m)
- Underground Services Exclusion Zone (5m)
- Overhead Services Exclusion Zone (10m)
- Tracking Route
- Main Access Route
- Proposed Test Pits (Machine Excavated)



High Speed Two

Figure 4.4
Godington Padbury Brook
Evaluation Area
Test Pit Locations

Published

HS2

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

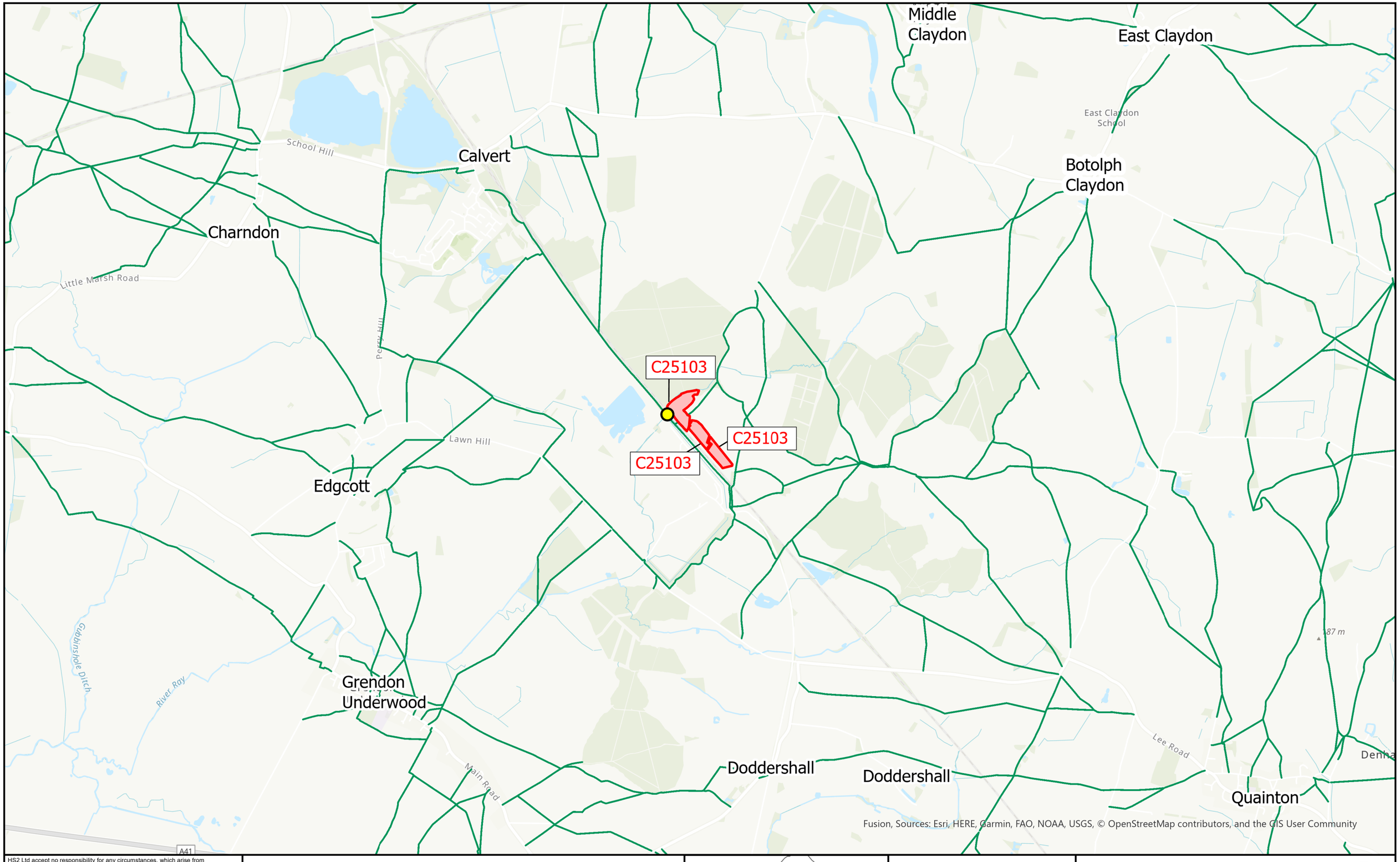
0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

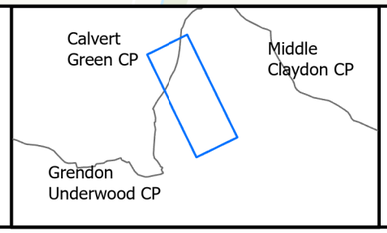
Date: 20/10/20

C25103 Decoy Pond Wood

Figures 1-4



- Access Point
- Site Boundary
- CXXXX Fusion Site GIS ID No.
- Public Rights of Way (Bucks)



High Speed Two

Figure 10.1
Decoypond Wood
Test Pit Evaluation Area
and Site Location

Published

HS2

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Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:25,000

0 300 500 800 1,000
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 20/10/20

F14_0059
C25103
C25103
F14_0059
C25103
F14_0054
Greatmoor Road
Fusion, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

- Access Point
- Breakthrough Required
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- County boundaries
- Tracking Route
- Main Access Route

Calvert Green CP
Middle Claydon CP
Grendon Underwood CP

High Speed Two

Figure 10.2
Decoypond Wood
Site Logistics and
Traffic Management Plan

Published

HS2

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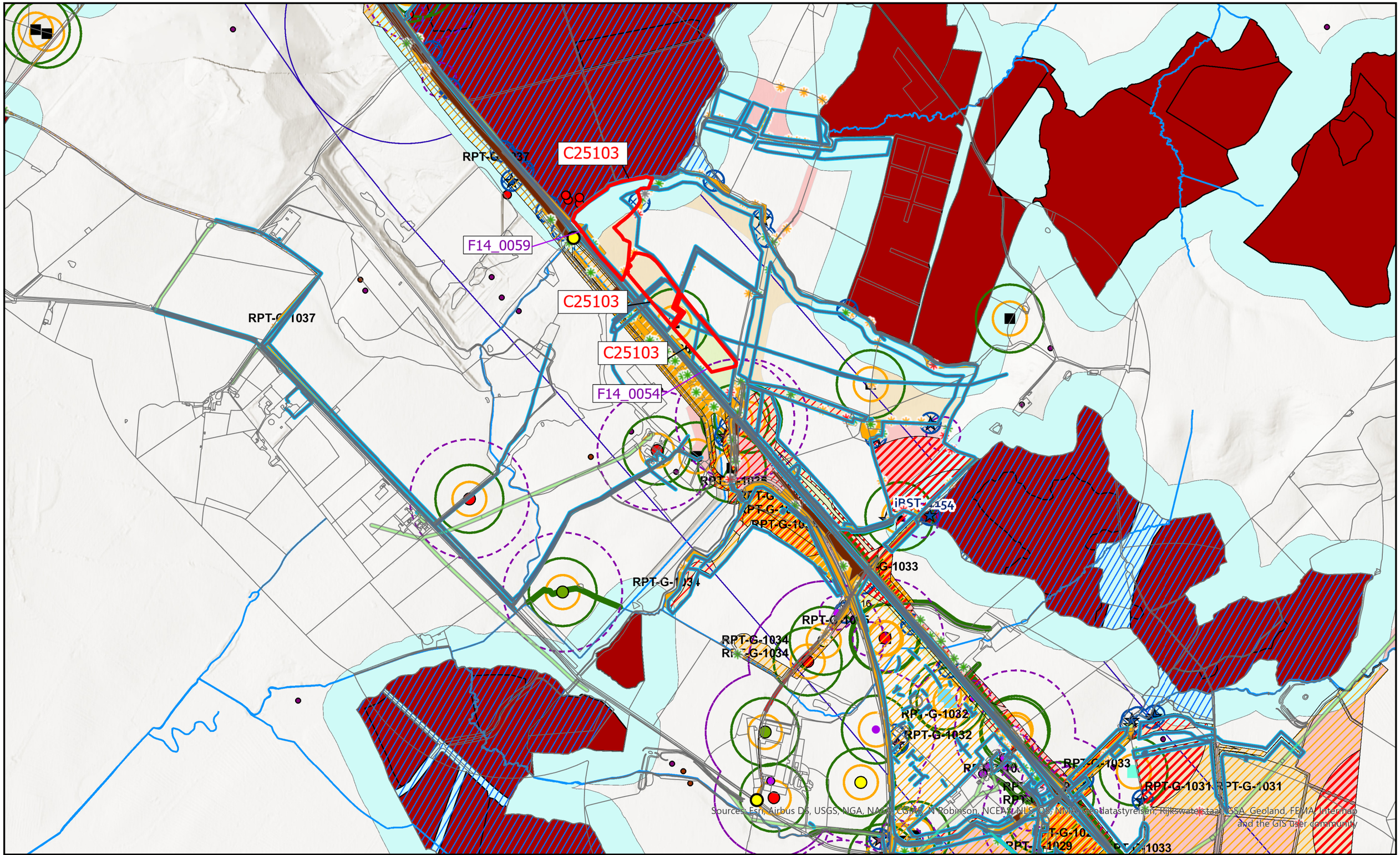
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 20/10/20



- Access Point
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Site Boundary
- Public Rights of Way (Bucks)
- HER Events
- HER Monuments

CGNs
- Medium Population
- Large Population

Individual Tree
- A - High quality
- B - Moderate quality
- C - Low quality
- Exceptional Tree

RPT Groups
- Low
- Medium
- High
- Tree Group
- Woodland
- Confirmed Bat Building
- Bat Building and Tree Roosts Disturbance Buffers (50m)
- Important Hedgerow

Barn Owls
- High
- Medium
- Low
- Barn Owl 50m buffer
- Barn Owl 100m buffer
- Ancient Woodland
- Ancient Woodland Buffer (100m)
- Badger Setts Disturbance Buffers (30m)
- SSSI

- Overhead Utilities
- Underground Utilities
- Underground Utilities Exclusion Zone (5m)
- Overhead Utilities Exclusion Zone (10m)
- Practical completion of PAS128 in field
- PAS128 partially complete in field
- No PAS128 data for field

Calvert Green CP

Middle Claydon CP

Grendon Underwood CP

High Speed Two

Figure 10.3
Utilities and Hazard Locations: Decoypond Wood

Published

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Registered in England. Registration number 06791686.
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Scale at A3: 1:10,000

0 80 160 240 320 400
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 20/10/20

C25103

F14_0059

C25103

F14_0059

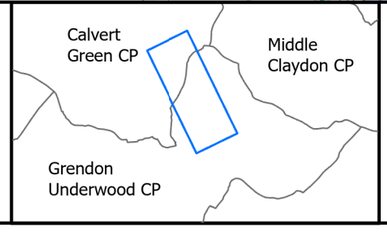
F14_0054

C25103

Greatmoor Road

Fusion, Esri Community Maps Contributors, Esri UK, Esri, HERE, Garmin, INCREMENT P, METI/NASA, USGS

- Access Point
- Site Boundary
- County boundaries
- Breakthrough Required
- Utilities Crossing Point
- PRoWs Crossing Point
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Badger Setts Disturbance Buffers (30m)
- Public Rights of Way (Bucks)
- Public Rights of Way (Oxford)
- Public Rights of Way Exclusion Zone (4m)
- Underground Services Exclusion Zone (5m)
- Overhead Services Exclusion Zone (10m)
- Tracking Route
- Main Access Route
- Proposed Test Pits (Machine Excavated)



High Speed Two

Figure 10.4
Decoypond Wood
Evaluation Area
Test Pits Locations

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Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:2,500

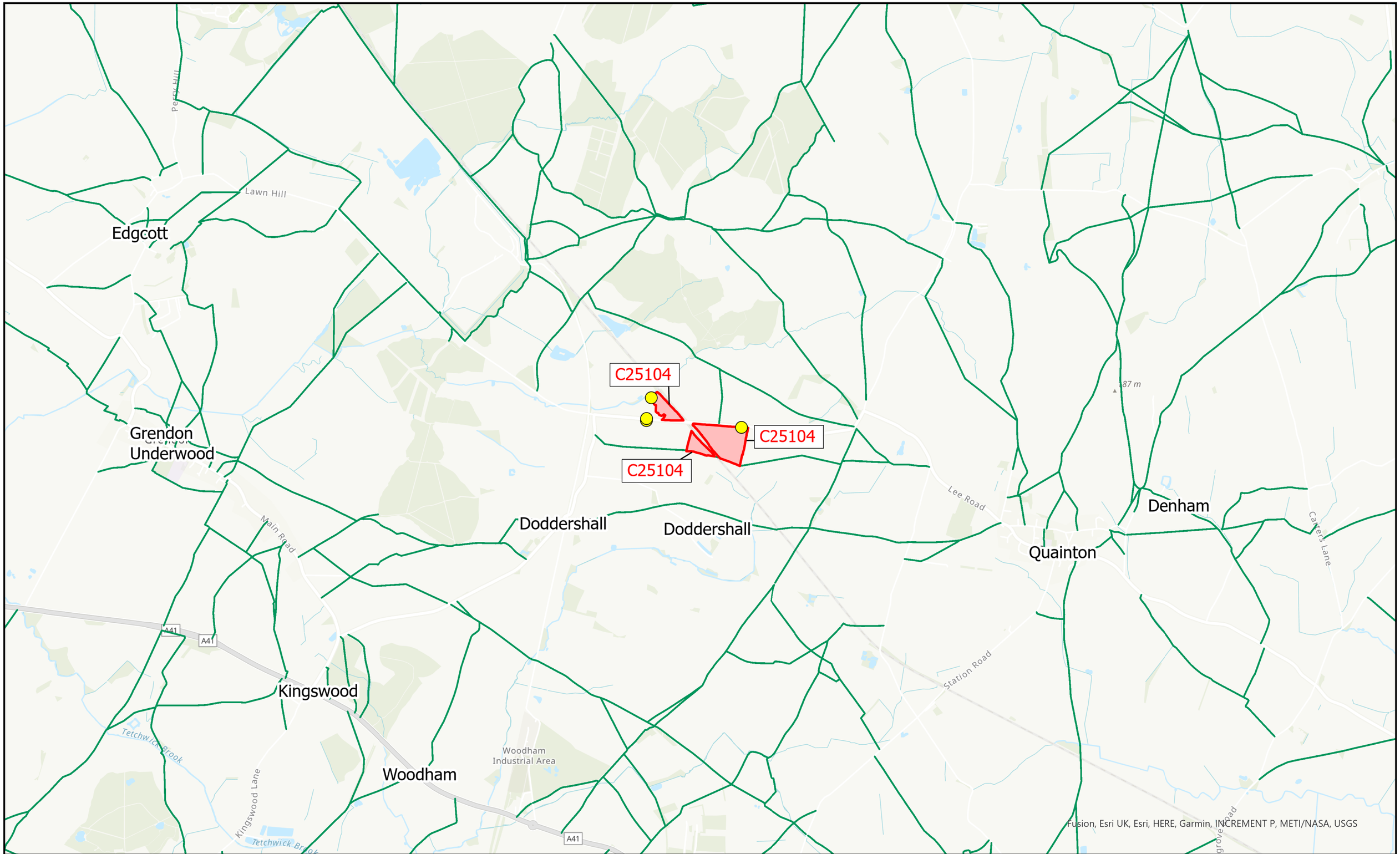
0 20 40 60 80 100
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

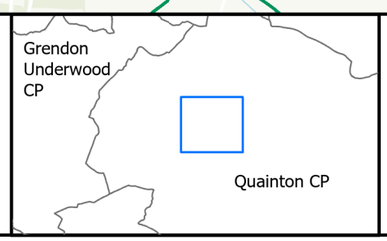
Date: 20/10/20

C25104 Doddershall

Figures 1-4



- Access Point and Garic Parking Area
- Site Boundary
- CXXXX Fusion Site GIS ID No.
- Public Rights of Way (Bucks)



High Speed Two

Figure 6.1
Doddershall
Test Pit Evaluation Area
and Site Location

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Scale at A3: 1:25,000

0 250 500 750 1,000
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 06/10/20

C25104

F14_0008

F13_0120

C25104

C25104

F13_0119

Fusion, Esri Community Maps Contributors, Esri UK, Esri, HERE, Garmin, INCREMENT P, METI/NASA, USGS

- Access Point and Garic Parking Area
- 4X4 Route
- Existing Breakthrough
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- XXXXXX Field ID No.
- Public Rights of Way (Bucks)

Grendon Underwood CP

Quainton CP

High Speed Two

Figure 6.2
Doddershall
Site Logistics and
Traffic Management Plan

Published

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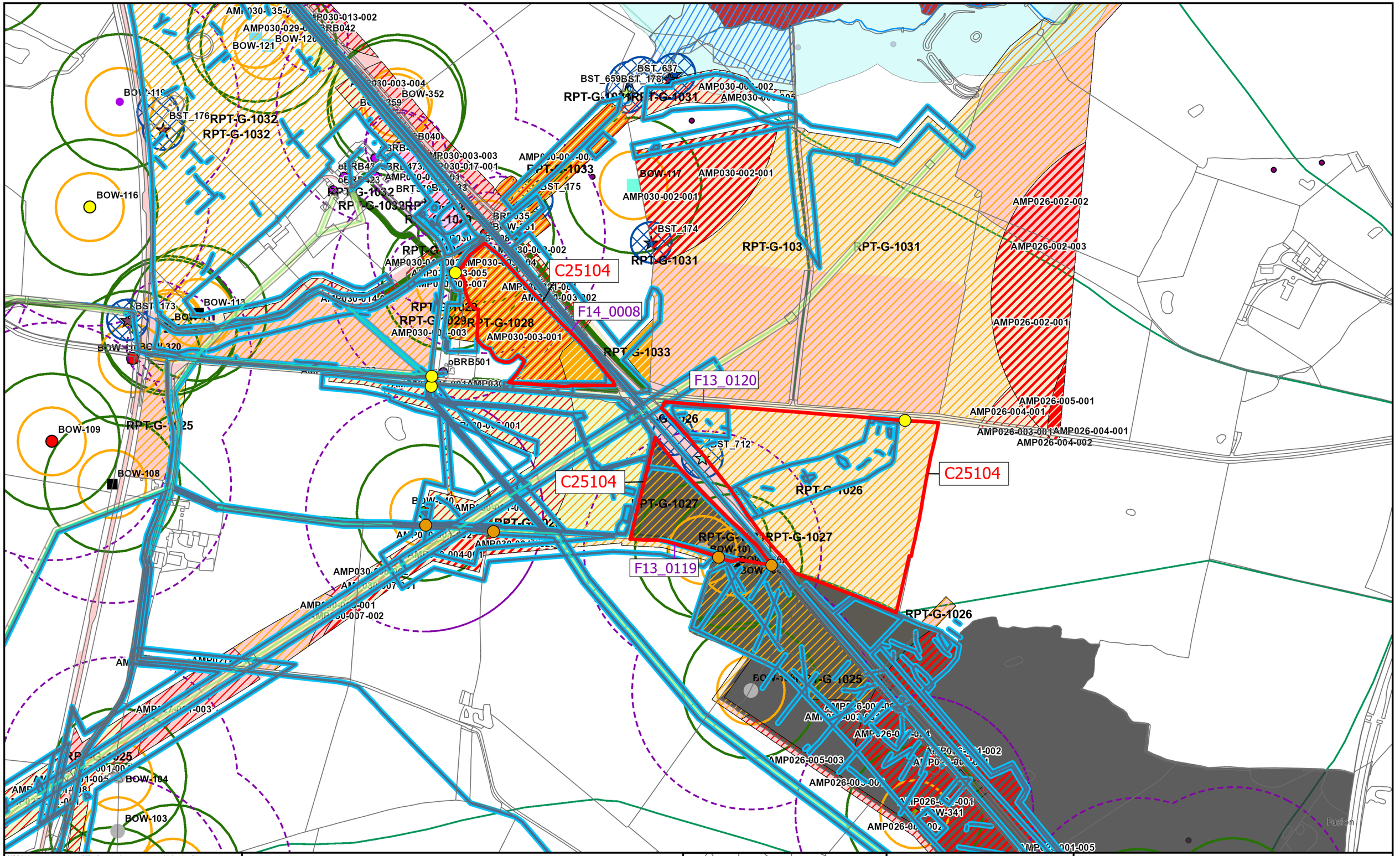
Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 06/10/20



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- Access Point and Parking area
- Existing Breakthrough
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No. — Site Boundary
- Public Rights of Way (Bucks)
- HER Events ● HER Monuments
- BUCKS Local Wildlife Sites

Individual Tree
- A - High quality
- B - Moderate quality
- C - Low quality
- Exceptional Tree
- Tree Crown Spread
- Tree Group

RPT Groups
- High
- Low
- Woodland

GCNs
- Small Population
- Medium Population
- Large Population
- SSSI
- Important Hedgerow

- Barn Owl 50m buffer
- Barn Owl 100m buffer
- Barn Owl Disturbance buffers (175m)
- Ancient Woodland
- Ancient Woodland Buffer (100m)
- Bat Tree Roosts Disturbance Buffers (50m)
- Badger Setts Disturbance Buffers (30m)

- Overhead Utilities
- Underground Utilities
- Underground Utilities Exclusion Zone (5m)
- Overhead Utilities Exclusion Zone (10m)
- Practical completion of PAS128 in field
- PAS128 partially complete in field
- No PAS128 data for field

High Speed Two

Figure 6.3
Utilities and Hazard Locations: Doddershall

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0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 05/10/20

C25104

F14_0008

F13_0120

C25104

C25104

F13_0119

Fusion, Esri Community Maps Contributors, Esri UK, Esri, HERE, Garmin, INCREMENT P, METI/NASA, USGS

- Access Point and Garic Parking Area
- Existing Breakthrough
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- XXXXXX Field ID No.
- Public Rights of Way (Bucks)
- 4X4 Route
- Proposed Test Pits

Grendon Underwood CP

Quainton CP

High Speed Two

Figure 6.4
Doddershall
Evaluation Area
Test Pit Locations

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Scale at A3: 1:5,000

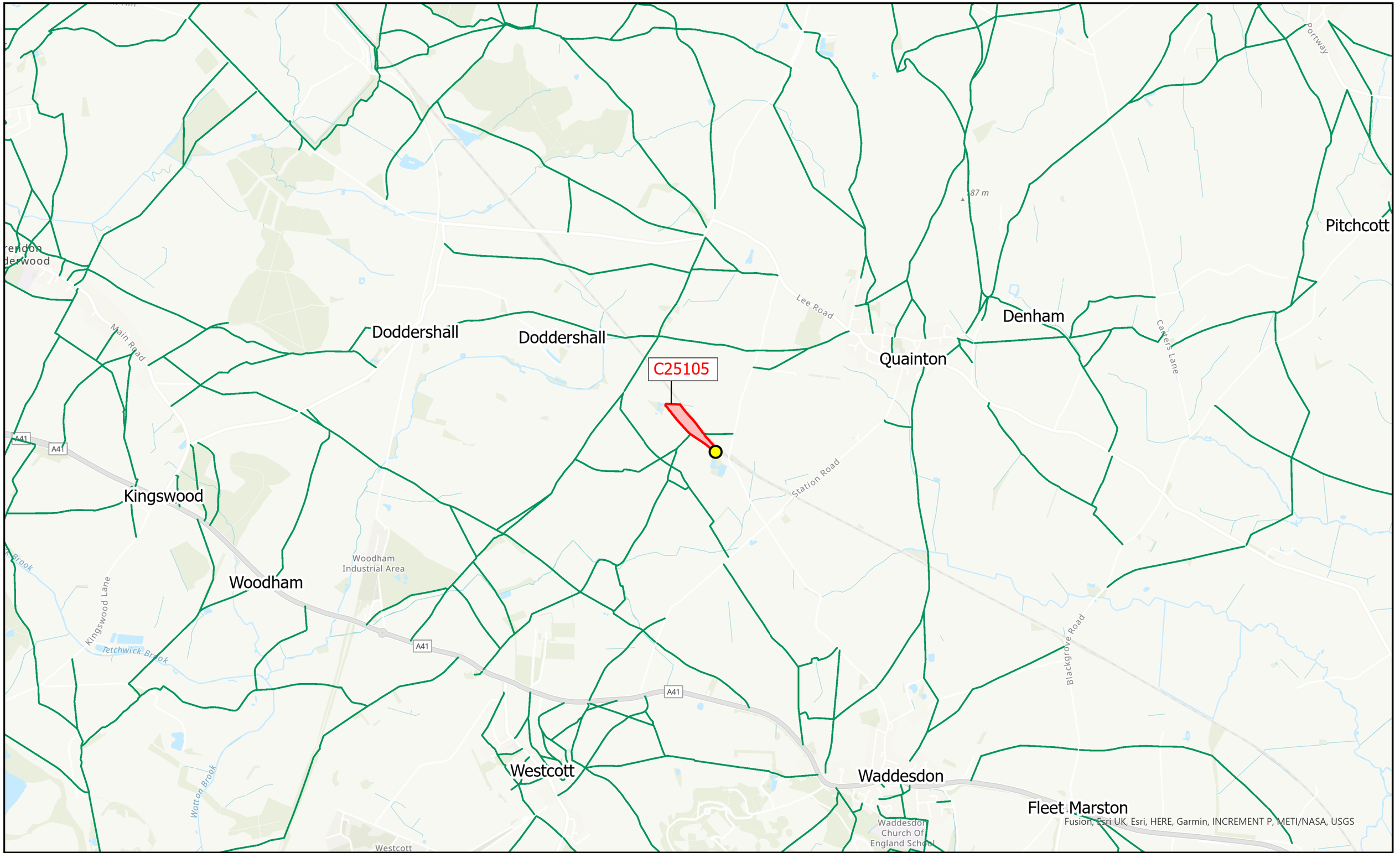
0 40 80 100 200 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

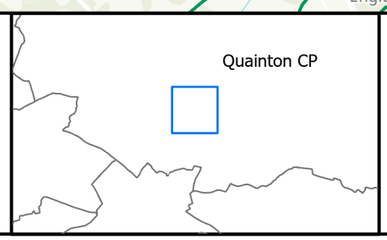
Date: 06/10/20

C25105 Upper South Farm

Figures 1-4



- Access Point and Garic Parking Area
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- Public Rights of Way (Bucks)



High Speed Two

Figure 11.1
Upper South Farm
Test Pit Evaluation Area
and Site Location

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Scale at A3: 1:25,000

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Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 06/10/20

F13_0056

C25105

Station Road

Fusion, Esri Community Maps Contributors, Esri UK, Esri, HERE, Garmin, INCREMENT P, METI/NASA, USGS

- Access Point and Garic Parking area
- PRoW Crossing Point
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- County boundaries
- Main Access Route

Quainton CP

High Speed Two

Figure 11.2
Upper South Farm
Site Logistics and
Traffic Management Plan

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Scale at A3: 1:5,000

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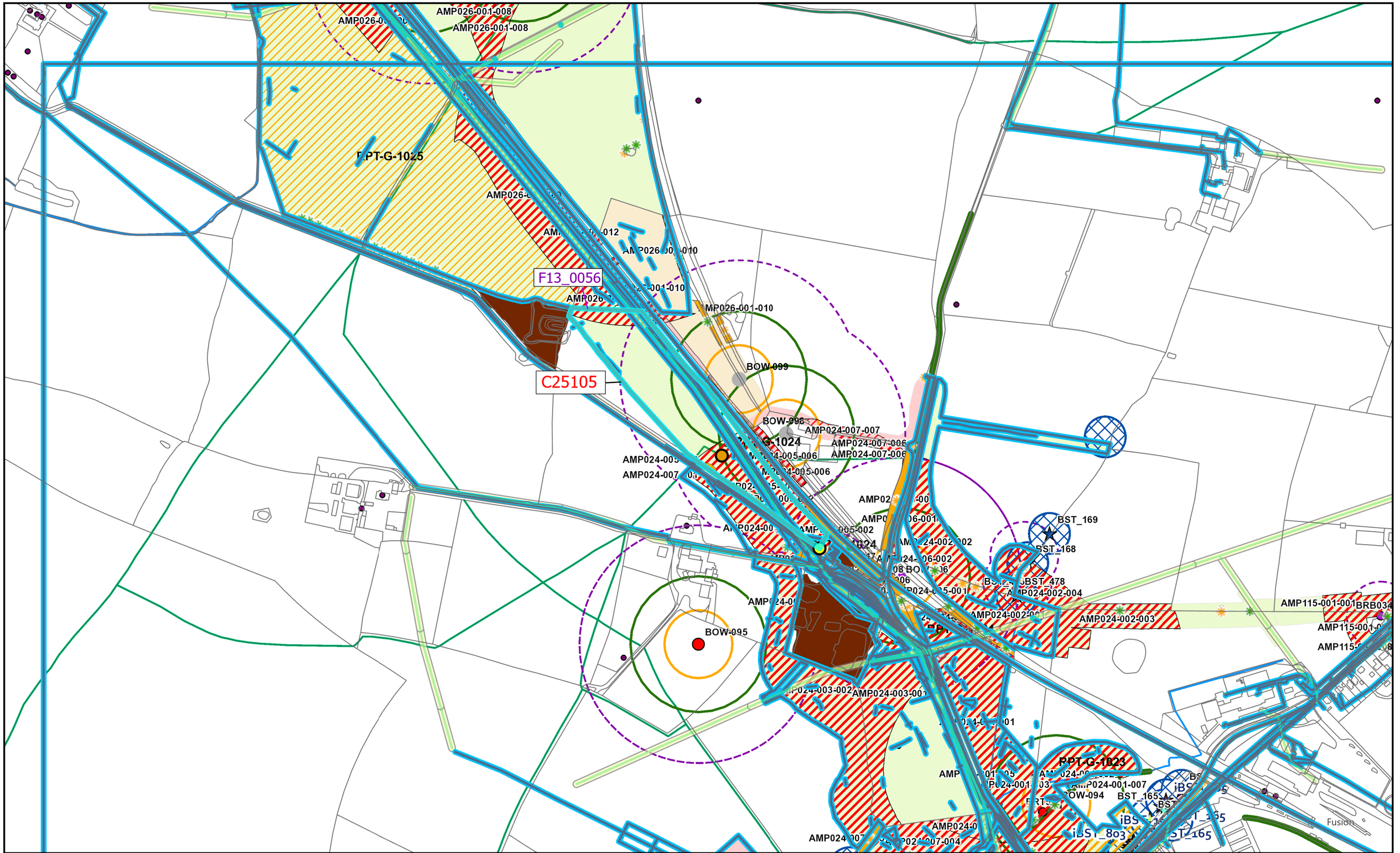
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 06/10/20



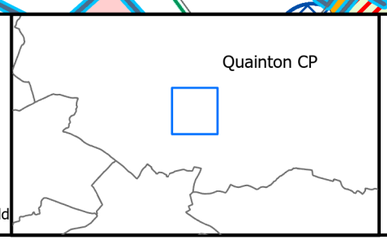
- Access Point and Parking area
- PRoW Crossing Point
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Site Boundary
- Public Rights of Way (Bucks)
- HER Events
- HER Monuments

Individual Tree
- A - High quality
- B - Moderate quality
- C - Low quality
- Exceptional Tree
- Woodland
- Important Hedgerow
- CGN - Medium Population
- Confirmed Bat Building
- Bat Building and Tree Roosts Disturbance Buffers (50m)

RPT Groups
- Medium
- Low
- Tree Group
- PRoW Exclusion Zone (4m)

Barn Owls
- High
- Medium
- Low
- Barn Owl 50m buffer
- Barn Owl 100m buffer
- Barn Owl Disturbance buffers (175m)
- Ancient Woodland
- Ancient Woodland Buffer (100m)
- Badger Setts Disturbance Buffers (30m)

- Overhead Utilities
- Underground Utilities
- Underground Utilities Exclusion Zone (5m)
- Overhead Utilities Exclusion Zone (10m)
- Practical completion of PAS128 in field
- PAS128 partially complete in field
- No PAS128 data for field



High Speed Two

Figure 11.3
Utilities and Hazard Locations: Upper South Farm

Published

HS2

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

0 40 80 120 160 200
Metres

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 20/10/20

F13_0056

C25105

Fusion, Esri Community Maps Contributors, Esri UK, Esri, HERE, Garmin, INCREMENT P, METI/NASA, USGS

- Access Point and Garic Parking area
- PRoW Crossing Point
- Site Boundary
- CXXXXX Fusion Site GIS ID No.
- CXXXXX Field ID No.
- Public Rights of Way (Bucks)
- County boundaries
- Main Access Route
- Proposed Test Pits (Hand Excavated)
- Proposed Test Pits (Hand Excavated)
- Overhead services exclusion zone (10m)
- PRoW Exclusion Zone (4m)

Quainton CP

High Speed Two

Figure 11.4
Upper South Farm
Evaluation Area
Test Pit Locations

Published

HS2

Scale at A3: 1:2,500

0 20 40 60 80 100
Metres

Registered in England. Registration number 06791686.
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Doc Number: 1EW03-FUS_IFA-GI-MAP-C000-000002

Date: 20/10/20

Appendix 4: INFRA Organogram

HS2: Blank Areas Testing
Infra

Client: Fusion
Main Works Civil Contractor: Lynch
Archaeological Contractors: Infra
Historic Environment Advisor: Historic England

Project Director
Mark Collard

SHEQ Director
Claire Lingard
Stephen Hourihan

Operations Director
David Bonner

Commercial Director
Trish Long

Operational Delivery Manager
Graham Cruse

Field Delivery Manager
Rachel Morgan

IT & Digital Innovator
Adam Holman
Jonathan Millar

Finds and Archive Manager
Vicki Rees

Procurement, Logistics & Sustainability
Kealey Manvell
Claire Shepherd

Post Excavation Management & Document Quality
Simon Roper
David Gilbert

Finance Manager
Claire Shepherd
Lisa Bea

HR, Occupational Health & Training
Michelle Pilgrim
Bernie Carney

SHEQ Complience Documentation
Steve Thorpe
Greg Crees

HSE & COVID Coordinator
Josh Manvell

Project Officers & Supervisors
Ciaran Feeney
Mary Lutescu-Jones
Nick Wells

Chris Griffiths
Francesca Giarelli
Matt Smithson-Shaw

Technicians
Des O'Doneghue
James Green (Survey)
Magdalena Gruszecka (Survey)
Raphael Ghanchi
Sean Finley-Scott
Weronika Aleksander

Geomatics
Marcela Szalanska (Senior Supervisor)
Sean Owen
Matthew Smithson-Shaw
Jonathan Millar

Illustrators
Harvey Tessyman
Hope Hancox
Hannah Rees

Community & Outreach
Jacqui Hutton

Specialists
Archaeo-Metallurgist: Barry Cosham
Ceramics:Derek Hurst, Jane Timby, Paul Blinkhorn, Rob Young
CBM: Jacqui Hutton
Lithics: Lindon Cooper, Rob Hedge
Osteo-archaeologist: Malin Holst
Zoo-archaeologist: Matilda Holmes, Rose Calis
Post Medieval finds: Michael Wood
Numismatics: Nick Wells
Conservator: Pieta Greaves

Directors
Protecting health and ensuring safety, quality, value and efficiency

Senior Team & Support Staff (Principals)
Supporting all teams: safety, logistics, personnel and outreach

Officers & Supervisors (Associates & Seniors)
Directing and overseeing teams of technicians; intitial responsibility for quality and accuracy of all records

Technicians (Grad/Post Grad)
Performing assessments and recording archaeological data safely, to high professional standards

Appendix 5: Site Emergency Address Points

Package	Fusion GIS ID	Address	NGR	W3W
AC210	C21044	Potter Row, Great Missenden. HP16 9LT	489869 203142	jumpy.emporium.tools
		Potter Row, Great Missenden. HP16 9LT	489955 202947	artist.dirt.branching
		Potter Row, Great Missenden. HP16 9LT	490296 202543	senses.looms.effort
	C21043	Potter Row, Great Missenden. HP16 9LT	488198 204511	rate.inhabited.buckets
		Potter Row, Great Missenden. HP16 9LT	489123 204209	swear.howler.townhouse
	C21042	Durham Farm, Aylesbury. HP22 6PX	488353 240735	applies.declares.encoding
	C21041	Rocky Lane, Wendover. HP22 6PR	487708 205808	fortunes.bins.brotherly
		Rocky Lane, Wendover. HP22 6PR	487773 205818	breathing.deflated.paid
		Hartley Farm, Wendover. HP22 6PR	487988 205669	break.crust.pudding
	C21040	Rocky Lane, Wendover. HP22 6PN.	487584 205802	campfires.path.search
	C21039	Rocky Lane, Wendover. HP22 6PR	487774 205830	staple.laugh.nanny
	C21038	Nash Lee Road, Wendover. HP17 0TQ	484851 208749	flask.inner.crabmeat
		Nash Lee Road, Wendover. HP17 0TQ	484418 208565	tangent.push.snail
AC240	C24011	Blackgrove Road, Waddesdon. HP18 0NJ	475856 217154	hurricane.dummy.directly
		Blackgrove Road, Waddesdon. HP18 0NJ	475801 216915	computers.reward.economics
		Lower Blackgrove Farm Cottages	476477 216819	curving.grips.herds
	C25104	Woodlands Farm, Quainton. HP22 4DE	471593 221150	headboard.elastic.decisions
		Woodlands Farm, Quainton. HP22 4DE	471559 220964	processor.awakening.slip
		Quainton, Aylesbury. HP22 4DL	472254 220938	blushes.taskbar.incoming

Package	Fusion GIS ID	Address	NGR	W3W
AC250	C25105	Dodderwill, Alysebury. HP22 4DG	473181 219339	packing.attacking.motivate
	C25103	Finmerehill House, Aylesbury. HP18 0QN	471531 222378	alright.increment.deployed
		Craighton Road, Aylesbury. HP18 0QN	470679 222129	degrading.prowling.mixture
	C25102	Cowley Farm, Buckingham. MK18 4DR	466230 228121	greyhound.radically.writings
	C25101	School End, Chetwode. MK18 4LA	463648 229991	waltzes.chimp.bonkers
	C25100	A4421, Newton Purcel. MK18 4AY	462499 230897	intruders.clutter.frock
	C25099	Mixbury Road, Mixbury. NN13 5YR	460860 234374	apricot.punks.grumbling
	C25098	Oatleys Farm, Turweston. NN13 5JH	461245 237203	superhero.repayment.redeemed
		A422, Brackley. NN13 5JF	460756 236664	anchovies.tokens.shameless
		A422, Brackley. NN13 5JF	460970 236570	calms.rekindle.along