



Regional Investment Programme

A27 East of Lewes Improvements

PCF Stage 3 – Preliminary Bat Roost Assessment Report

March 2019

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**A27 EAST OF LEWES
IMPROVEMENTS**
PCF STAGE 3
**PRELIMINARY BAT ROOST
ASSESSMENT REPORT**

Highways England

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EXECUTIVE SUMMARY

Highways England has proposed improvement works to the A27, east of Lewes. The A27 East of Lewes (EoL) Improvements Scheme (hereafter referred to as “the Scheme”) extends between Beddingham in the West and Polegate in the East at a length of approximately 15km (hereafter referred to as the “Scheme Extent”). The Scheme primarily comprises a new cycleway to the south of the current road, with additional junction improvements along the Scheme.

Highways England commissioned WSP to complete a variety of ecological surveys including a Preliminary Bat Roost Assessment (PBRA) survey within a 50m radius surrounding the indicative Scheme’s Extent (hereafter referred to as the “Survey Area”). These surveys were undertaken following ecological survey recommendations completed in Project Control Framework (PCF) Stage 2 by Atkins in 2016/2017.

Bat activity transect surveys, crossing point surveys at the Cuckmere River Bridge and static monitoring surveys undertaken at Stage 2 of the project found up to eight species of bat within the Survey Area, including brown long-eared bat *Plecotus auritus*, noctule bat *Nyctalus noctule* and soprano pipistrelle *Pipistrellus pygmaeus* which are species of principle importance (SPI) for the Conservation of Biodiversity in England, under Section 41 of the Natural Environment and Rural Communities (NERC) Act 2006.

To obtain a detailed overview of the likely value of the Scheme Extent for roosting bats, all structures and trees (and mature scrub specimens) within the Survey Area were assessed from the ground for the presence of potential roost features (PRFs) (holes, cracks, crevices) capable of supporting individuals or groups of this order. Trees and structures within the Survey Area were classified as having negligible, low, moderate or high suitability to support bat roosts. PRFs were recorded in detail and photographed.

Results from the PBRA are summarised below:

- Thirteen individual trees and two groups of trees of high bat roost suitability;
- Six buildings of high bat roost suitability;
- One hundred and four individual trees and five groups of trees of moderate bat roost suitability;
- Seven buildings and one structure of moderate bat roost suitability;
- Seventy individual trees and ten groups of trees of low bat roost suitability; and
- Eight buildings and one structure of low bat roost suitability.

Although the final designs of the road alignment are not currently available, some of the trees and structures with roost suitability within the Survey Area will likely be directly or indirectly affected by the Scheme. It is recommended that, where possible, trees and structures with roost suitability are retained and protected within the final design.

For trees and structures that will be affected, Section five of this report gives recommendations for further survey work (for moderate-high suitability trees and three structures) and preliminary mitigation measures. Further surveys include an inspection of the Polegate railway bridge, a secondary inspection of a culvert and an at-height inspection of trees and the Cuckmere bridge, to confirm their potential to support bat roosts, as well as potential dusk emergence and/or dawn re-entry surveys. Detailed mitigation and avoidance measures will be defined following further survey.

1 INTRODUCTION

1.1 PROJECT BACKGROUND

1.1.1 The A27 Scheme Extent between Lewes and Polegate is a corridor around nine miles (15km) long which runs through predominantly open rural areas. Lewes and Polegate are the main towns in the area, with smaller towns and villages including Beddingham, Firle, Glynde, Selmeston, Berwick and Wilmington. The Scheme Extent¹ including permanent and temporary works is shown on Figure 1-1.

1.1.2 The Scheme has four main elements comprising of the following:

- Drusillas Roundabout - Roundabout enlargement to improve traffic flows through the junction; provide suitable and convenient crossings; and improve safety.
- Wilmington Junction - New controlled pedestrian crossing.
- Polegate Junction - Junction improvement, railway bridge widening and A27 dual carriageway from Polegate to Cop Hall Roundabout.
- Corridor-wide facilities for pedestrians, cyclists and other non-car users. Upgrading current facilities between Glynde and Firle and providing a new pedestrian/cycle path between Firle and Polegate.

1.1.3 In addition, there are also proposals for maintenance bays to be included as various locations on the corridor.

1.1.4 It is considered that the Scheme will not require a Development Consent Order (DCO), however environmental survey work and assessment in association with the Scheme is being undertaken to inform the Scheme design and associated Environmental Assessment Report (EAR). Habitat assessment undertaken as described within this report, provides an update to the ecological surveys completed in Project Control Framework (PCF) Stage 2 by Atkins in 2016/2017 (Atkins, 2017). The Phase 1 habitat survey and other fauna surveys, as recommended by Atkins are detailed within separate reports².

1.2 ECOLOGICAL BACKGROUND

1.2.1 A range of ecological surveys were undertaken by Atkins at PCF stage 2 of the Scheme, as detailed within Atkins (2017). This included:

- An ecological desk study including obtaining records of any ancient or veteran trees within 50m of the Scheme and records of bats up to 5km of the Scheme (January 2016 & January 2017);
- An ecological walkover survey (January & February 2017);

¹ Scheme Extent based on current drawings, correct at time of writing.

² WSP (2018a). A27 East of Lewes Improvements: PCF Stage 3. Phase 1 Habitat Report.

WSP (2018b). A27 East of Lewes Improvements: PCF Stage 3. Great Crested Newt Report.

WSP (2018c). A27 East of Lewes Improvements: PCF Stage 3. Hazel Dormouse Report.

- An extended Phase 1 habitat survey, including a preliminary bat habitat assessment, which considered structures (bridges or buildings) and trees with features that have the potential to support roosting bats (November 2016); and
- Bat activity transect surveys, static monitoring and crossing point surveys (July – October 2017).

1.2.2 These surveys were undertaken from public rights of way (PRoW) with an updated Phase 1 habitat survey completed from adjacent land accessed by PRoW up to 250m from the Scheme boundary.

1.2.3 Due to restricted access to land adjacent to the A27 aerial imagery using Google Maps (2016) was employed to expand the preliminary bat habitat assessment. This assessment mapped areas of habitat considered to be of moderate or high suitability for bat commuting and general activity within the Survey Area, as well as potential crossing points over (or under) the Scheme.

1.2.4 The desk study provided records of 18 parcels of ancient woodland and 13 bat species within the Survey Area including barbastelle *Barbastella barbastellus*, Brandts *Myotis brandtii*, daubenton's *Myotis daubentonii*, Kuhl's pipistrelle *Pipistrellus kuhlii*, natterer's *Myotis nattereri* and whiskered *Myotis mystacinus*. The records included four tree roosts, 18 maternity roosts and 13 unspecific roosts within 5km of the Scheme. The nearest recorded roost is approximately 2.7km north of the Scheme.

1.2.5 A habitat assessment noted a number of buildings and structures adjacent to the Scheme Extent may have potential to support roosting bats. Hedgerows, broadleaved woodland and ponds that border the carriageway, and Cuckmere River that flows beneath the A27, offer abundant foraging habitat for bats and provide commuting links across the landscape.

1.2.6 Following the habitat assessment, targeted bat activity transect surveys were undertaken once per month at four separate sites (Middle Farm, Berwick Roundabout, Cuckmere River and Folkington) within the Survey Area. Transect routes were established primarily using aerial imagery and one transect was carried out at each site. Seven bat species were recorded across the four transects within the Survey Area, including common pipistrelle *Pipistrellus pipistrellus*, soprano pipistrelle *Pipistrellus pygmaeus*, brown long-eared *Plecotus auritus*, noctule *Nyctalus noctula*, serotine *Eptesicus serotinus*, *Myotis* sp. and *Nyctaloid* sp³.

1.2.7 Nine bat species were recorded during the static monitoring across the Survey Area, including Nathusius' pipistrelle, *Pipistrellus nathusii* and Leisler's bat *Nyctalus leisleri* which was not recorded during the transect surveys.

1.2.8 Six crossing point surveys were also undertaken of the Cuckmere River Bridge. A total of six bats of three species (common pipistrelle, soprano pipistrelle and *Myotis* sp.) were observed using the A27 Motorway Bridge.

1.2.9 Recommendations made in PCF Stage 2 included Preliminary Bat Roost Assessment (PBRA) within the entire Scheme Extent given the land access available during this stage. WSP have undertaken further survey including as detailed within this report and the following (WSP 2018a-c):

- Phase 1 habitat survey;

³ Nyctaloid species, a group that contains the species belonging to the genus *Nyctalus* or *Eptesicus* which include noctule, Leisler's and serotine.

- Habitat suitability Index (HSI) survey and great crested newt environmental DNA (eDNA) survey report; and
- Hazel dormouse survey report.

1.2.10 A Phase 1 Habitat Survey was undertaken by WSP between March 2018 and July 2018 of all accessible land 50m from the Scheme Extent. The survey identified a number of habitat types, the majority of these habitats being generally common and widespread with arable fields and improved grasslands the most numerous habitats. Several habitats suitable to support roosting, commuting and foraging bats were described which include semi-natural broadleaved woodland (including semi-natural ancient woodland), hedgerows, rivers, ponds and semi-improved neutral grassland.

1.3 BRIEF AND OBJECTIVES

1.3.1 Highways England commissioned WSP to complete a preliminary bat roost inspection of the Survey Area. The brief was to:

- Complete an external inspection of all trees on Survey Area, to identify the potential or otherwise for bat roosts to be present; and
- Make recommendations as to how proposals should account for bats with respect to legislation, planning and biodiversity policy.

1.3.2 The results of these surveys, and subsequent recommendations, are included within this report.

2 METHODS

2.1 PRELIMINARY BAT ROOST INSPECTION

2.1.1 All trees present within the Survey Area were inspected to enable an assessment of their potential to support bat roosts, and to search for evidence indicating the current or historic use by roosting bats. Due to the numbers of trees present, they have been assessed as groups where appropriate. Where feasible, buildings and structures within the Survey Area were also inspected. The Survey Area as shown on Figure 2-1.

2.1.2 Inspections were undertaken from March 2018 to August 2018. Due to access constraints trees within limited access areas were inspected whilst undertaking other protected species surveys.

2.1.3 A visual inspection of the exterior of each structure or tree using binoculars and a high-powered torch was completed to search for features which may provide potential roosting opportunities for bats, in accordance with good practice guidelines (Collins, 2016). Where suitable features were noted, their location and a brief description of their character was recorded. Additionally, each feature was visually inspected for evidence indicating use by roosting bats such as droppings, urine staining, and scratch marks / characteristic staining (from fur oils).

2.1.4 Structures and trees were categorised in line with the descriptions in Table 2-1.

Table 2-1 – Suitability of habitat and roost features for bats adapted from good practice guidelines (Collins, 2016)

| SUITABILITY | DESCRIPTION ROOSTING HABITATS | COMMUTING AND FORAGING HABITATS |
|-------------|---|---|
| High | A structure or tree with one or more potential roost sites that are obviously suitable for use by larger numbers of bats on a more regular basis and potentially for longer periods of time due to their size, shelter, protection, conditions and surrounding habitat. | <p>Continuous, high quality habitat that is well connected to the wider landscape that it is likely to be used regularly by commuting bats such as river valleys, streams, hedgerows, lines or trees and woodland edge.</p> <p>High quality habitat that is well connected to the wider landscape that is likely to be used regularly by foraging bats such as broadleaved woodland, tree-lined water courses and grazed parkland.</p> <p>Site is close to and connected to known roosts.</p> |
| Moderate | A structure or tree with one or more potential roost sites that could be used by bats due to their size, shelter, protection, conditions and surrounding habitat but unlikely to support a roost of high conservation status (with respect to roost type only- the assessments in this table are made irrespective of species conservation status, which is established after presence is confirmed). | <p>Continuous habitat connected to the wider landscape that could be used by bats for commuting such as lines of trees and scrub or linked back gardens.</p> <p>Habitat that is connected to the wider landscape that could be used by bats for foraging such as trees, scrub, grassland or water.</p> |
| Low | A structure with one or more potential roost sites that could be used by individual bats opportunistically. However, these potential roost sites do | Habitat that could be used by small numbers of commuting bats such as a gappy hedgerows or a vegetated stream, but isolated, e.g. not very well |

| SUITABILITY | DESCRIPTION ROOSTING HABITATS | COMMUTING AND FORAGING HABITATS |
|-------------|---|--|
| High | <p>not provide enough space, shelter, appropriate conditions and / or suitable surrounding habitat to be used on a regular basis or by larger numbers of bats (i.e. unlikely to be suitable for maternity or hibernation).</p> <p>A tree of sufficient size and age to contain PRFs but with none seen from the ground or features with only very limited roosting potential.</p> | <p>connected to the surrounding landscape by other habitat.</p> <p>Suitable but isolated habitat that could be used by small numbers of foraging bats such as a lone tree (not in a parkland situation) or a patch of scrub.</p> |
| Negligible | Negligible habitat features on site likely to be used by roosting bats. | Negligible habitat features on site likely to be used by commuting or foraging bats. |

2.2 NOTES AND LIMITATIONS

2.2.1 Every effort has been made to provide a comprehensive description of the Survey Area; however, the following specific limitations apply to this assessment:

- Ecological survey data is typically valid for two years unless otherwise specified, for example if conditions are likely to change more quickly due to ecological processes or anticipated changes in management.
- In instances where all aspects of a tree or building/structure could not be observed but PRFs were noted on other aspects and the tree or building/structure was located within habitat connected to the wider landscape a precautionary approach has been undertaken, in which trees or building/structure were assigned moderate potential to support roosting bats.
- Given the scale of the Survey Area residential properties and associated gardens outside of the Scheme extent were not included within this report.
- Where possible structures and buildings within the Survey Area were assessed, however residential properties were not detailed except where properties with access fell inside the Scheme Extent. Residential properties that fall outside of the Scheme Extent have been marked on Figure 2-1 as areas of no access. No buildings are scheduled for removal as part of the Scheme, and they are unlikely to be subject to significant increases in disturbance as they are generally subject to road disturbance.
- A number of locations within the Survey Area could not be accessed for a variety of reasons including the presence of livestock with calves, unsafe access or refused access. These are summarised in Table 2-2.
- The location of the trees within the Survey Area were recorded using a handheld GPS device. As such the spatial resolution of tree locations detailed within this report could potentially be limited, but by no more than several metres. Locations were reviewed using aerial imagery to improve the accuracy further.

Table 2-2 – Survey Limitations

| AREA | LOCATION | HABITAT TYPE | SURVEY LIMITATION | SIGNIFICANCE OF LIMITATION | ORIENTATION TO SCHEME EXTENT | MINIMUM DISTANCE FROM SCHEME EXTENT (M) |
|------|----------|-------------------------------------|--------------------------------------|---|------------------------------|---|
| 1 | Firle | Woodland | Unsafe access - steep bank onto road | It is possible trees with PRFs are found within this area. However, these trees are not currently anticipated to be affected by the Scheme, given they are separated from the Scheme Extent by the A27. | N | 36 |
| 2 | Alciston | Buildings, amenity grassland | No access | Trees within this area will need to be removed as part of the Scheme ⁴ . It is recommended that a further survey is undertaken to establish if these trees have any PRFs. | S | 0 |
| 3 | Alciston | Arable field & Hedgerows with trees | No access | Trees within this area will need to be removed as part of the Scheme ³ . It is recommended that a further survey is undertaken to establish if these trees have any PRFs. | S | 0 |

⁴ Given current preliminary Scheme Extent designs.

| AREA | LOCATION | HABITAT TYPE | SURVEY LIMITATION | SIGNIFICANCE OF LIMITATION | ORIENTATION TO SCHEME EXTENT | MINIMUM DISTANCE FROM SCHEME EXTENT (M) |
|------|----------|--|------------------------------------|--|------------------------------|---|
| 4 | Alciston | Dense scrub with scattered trees | Inaccessible | Trees within this area may contain PRFs. However, these trees are not currently anticipated to be directly affected by the Scheme but could be at risk from increased disturbance. | S | 4 |
| 5 | Alciston | Building, amenity grassland, hedgerow with trees, scattered trees. | No access | Trees within this area will need to be removed as part of the Scheme ⁵ . It is recommended that a further survey is undertaken to establish if these trees have any PRFs. | S | 0 |
| 6 | Berwick | Pasture field and hedgerow | Unsafe access - Cattle with calves | There were no observable trees within this area. | S | 0 |
| 7 | Berwick | Building, amenity grassland and hedgerow with trees | No access | Trees within this area will need to be removed as part of the Scheme ³ . It is recommended that a further survey is undertaken to establish if these trees have any PRFs. | S | 0 |

⁵ Given current preliminary Scheme Extent designs.

| AREA | LOCATION | HABITAT TYPE | SURVEY LIMITATION | SIGNIFICANCE OF LIMITATION | ORIENTATION TO SCHEME EXTENT | MINIMUM DISTANCE FROM SCHEME EXTENT (M) |
|------|--------------------------|--|-------------------|---|------------------------------|---|
| 8 | West of Wilmington Green | Improved field, dense scrub and hedgerows | No access | It is possible trees with PRFs are found within this area. However, these trees are not currently anticipated to be affected by the Scheme, given the separation by the A27 from the Scheme Extent. | N | 9 |
| 9 | Wilmington Green | Amenity grassland, woodland and hedgerow with trees. | No access | It is possible trees with PRFs are found within this area. However these trees are not currently anticipated to be affected by the Scheme, given the separation by the A27 from the Scheme Extent. | N | 17 |
| 10 | West of Polegate | Buildings, amenity grassland, hedgerow and scattered trees | No access | Trees within this area will need to be removed as part of the Scheme ⁶ . It is recommended that a further survey is undertaken to establish if these trees have any PRFs. | S | 0 |
| 11 | West of Polegate | Woodland and semi-improved field | No access | It is possible trees with PRFs are found within this area. However these trees are not currently anticipated to be affected by the Scheme, given the proximity and separation by the railway line and A27 from the Scheme Extent. | N | 26 |
| 12 | Polegate | Railway Bridge | No access | The structure may contain PRFs. The structure will be modified as part of the Scheme. It is recommended this structure is surveyed to establish if there are any PRFs and if further survey work is needed. | - | 0 |

⁶ Given current preliminary Scheme Extent designs.

| AREA | LOCATION | HABITAT TYPE | SURVEY LIMITATION | SIGNIFICANCE OF LIMITATION | ORIENTATION TO SCHEME EXTENT | MINIMUM DISTANCE FROM SCHEME EXTENT (M) |
|------|----------|---------------------------------|-------------------|---|------------------------------|---|
| 13 | Polegate | Woodland | Unsafe access | Trees within this area will need to be removed as part of the Scheme ⁷ . It is recommended that a further survey is undertaken to establish if these trees have any PRFs. | W | 0 |
| 14 | Polegate | Woodland and dense scrub | No access | Trees within this area will need to be removed as part of the Scheme ⁶ . It is recommended that a further survey is undertaken to establish if these trees have any PRFs. | W | 0 |
| 15 | Polegate | Allotments | No access | There were no observable trees within this area. | W | 4 |
| 16 | Polegate | Dense scrub and scattered trees | Unsafe access | Trees within this area may contain PRFs. However, these trees may need to be removed as part of the Scheme or could be at risk from increased disturbance. | W | 0 |
| 17 | Polegate | Dense scrub and scattered trees | Unsafe access | It is possible trees with PRFs are found within this area. However, these trees are not currently anticipated to be affected by the Scheme, given the separation by the A27 from the Scheme Extent. | N | 7 |

⁷ Given current preliminary Scheme Extent designs.

3 RESULTS

3.1 TREES

3.1.1 Within the Survey Area, trees with bat roosting suitability are located throughout the Survey Area, either side of the A27. Trees are located in a variety of habitats including broadleaved woodland, scrub, within hedgerows, and as isolated scattered trees in grassland.

3.1.2 The trees with moderate – high bat roost suitability are dominated by ash *Fraxinus excelsior*, beech *Fagus sylvatica* and oak *Quercus robur*. Ranging from semi-mature to mature and dead specimens, as detailed in Appendix A.

3.1.3 The results of the PBRA survey are summarised in Table 3-1 below, with a full table of results shown at Appendix A Photographs, where applicable, are provided at Appendix B. In total 187 individual trees and 17 groups of trees were assessed as having low-high bat roosting suitability within the Survey Area, as shown in Figure 3-2.

Table 3-1 – Summary of tree roost suitability

| ROOST SUITABILITY | NO. OF INDIVIDUAL TREES | NO. OF GROUPS OF TREES | TOTAL |
|-------------------|-------------------------|------------------------|------------|
| High | 13 | 2 | 15 |
| Moderate | 104 | 5 | 109 |
| Low | 70 | 10 | 80 |
| Total | 187 | 17 | 204 |

3.2 BUILDINGS AND STRUCTURES

3.2.1 Twenty-three structures were assessed as having low to high suitability to support roosting bats. Structures include the Cuckmere bridge, a culvert and 21 buildings.

3.2.2 The structures are all of concrete construction, with features on the bridge formed by expansion gaps.

3.2.3 The results of the PBRA survey are summarised in Table 3-2 below, with a full table of results shown at Appendix C. Photographs, where applicable, are provided at Appendix D. Locations of structures are as shown in Figure 3-1.

Table 3-2 – Summary of building and structure roost suitability

| ROOST SUITABILITY | NO. OF BUILDINGS | NO. OF STRUCTURES | TOTAL |
|-------------------|------------------|-------------------|-----------|
| High | 6 | 0 | 6 |
| Moderate | 7 | 1 | 8 |
| Low | 8 | 1 | 9 |
| Total | 21 | 2 | 23 |

4

IMPLICATION FOR DEVELOPMENT

4.1 OVERVIEW

4.1.1 One hundred and eighty-seven individual trees, 17 groups of trees, 21 buildings and two structures (bridge and culvert) have been assessed as having low-high bat roosting potential, as shown on Figure 2-1. As the route has not yet been fixed, the precise extent to which these features will be affected is not yet clear. However, designs currently indicate the installation and improvement of lighting in junction improvement areas but it is currently understood that no artificial lighting is to be installed along the route.

4.1.2 The following potential effects have been identified:

- Bat roosts could be destroyed, damaged or disturbed by the removal or pruning of trees identified as having potential to support roosting bats, if bats are present. Individual bats within these roosts could also be affected.
- Bats are known to avoid roosting in illuminated locations. The installation of new or modification of existing lighting could therefore negatively affect any bat roosts, should they occur within the Survey Area.
- Nearby roosts could be indirectly affected by lighting. Certain species of bat avoid foraging and commuting within the vicinity of artificial light, and artificial light may also negatively affect invertebrate assemblages upon which bats forage. The installation of additional lighting could therefore affect the viability of bat roosts occurring in the vicinity of the Scheme at junctions, even if they are not directly affected.

4.1.3 It is understood that the buildings and structures within the Scheme Extent will not be altered/directly affected by the Scheme. Nevertheless, should the proposals change to include alterations to these buildings and structures, then bat roosts could also be lost, damaged or disturbed by works (maintenance, refurbishment/restructuring, demolition), if bats are present. Individual bats within these roosts could also be affected.

4.1.4 As all UK species of bats are protected under legislation and planning policy mechanisms, these effects are a material consideration for the scheme. The most pertinent legislation and policy is summarised below.

LEGAL COMPLIANCE

4.1.5 Bats and their roosts are afforded a high level of protection under the Conservation of Habitats and Species Regulations 2017 (as amended) (the ‘Habitat Regulations’), the legislation means that it is an offence to:

- *Deliberately capture, injure or kill a wild bat;*
- *Deliberately disturb wild bats; ‘disturbance of animals includes in particular any disturbance which is likely:*
 - *(a) to impair their ability —*
 - *(i) to survive, to breed or reproduce, or to rear or nurture their young; or*
 - *(ii) in the case of animals of a hibernating or migratory species, to hibernate or migrate; or*
 - *(b) to affect significantly the local distribution or abundance of the species to which they belong.’ and*

- *Damage or destroy a breeding site or resting place used by this species.*

4.1.6 Protection is also afforded under the Wildlife and Countryside Act 1981 (as amended) with respect to disturbance of animals when using places of shelter, and obstruction of access to places of shelter.

4.1.7 Due to the high level of protection afforded to bats and their habitat, mitigation for this species is governed by a strict licensing procedure administered by Natural England (normally, planning permission must be obtained before a licence can be sought).

4.1.8 Certain species of bats including the noctule bat, brown long-eared bat and soprano pipistrelle bat are also listed as a Species of Principal Importance (SPI) for the Conservation of Biodiversity in England under Section 41 of the Natural Environment and Rural Communities (NERC) Act 2006. Under Section 40 of the NERC Act (2006) public bodies (including local planning authorities) have a duty to have regard for the conservation of SPI when carrying out their functions, including determining planning applications.

4.2 PLANNING POLICY COMPLIANCE

4.2.1 At the national level the National Planning Policy Framework (2019) forms the basis for planning system decisions with respect to conserving and enhancing the natural environment, including bats; the Office of the Deputy Prime Minister (ODPM) circular 06/2005 also provides supplementary guidance including confirmation that '*the presence of a protected species is a material consideration when a planning authority is considering a development proposal*'.

4.2.2 The NPPF sets out that, to protect and enhance biodiversity, plans should:

- *'Identify, map and safeguard components of local wildlife-rich habitat and wider ecological networks, including the hierarchy of international, national and locally designated sites of importance for biodiversity; wildlife corridors and stepping stones that connect them; and areas identified by national and local partnerships for habitat management, enhancement, restoration or creation; and*
- *promote the conservation, restoration and enhancement of priority habitats, ecological networks and the protection and recovery of priority species; and identify and pursue opportunities for securing measurable net gains for biodiversity.'*

4.2.3 A list of principles which local planning authorities should follow when determining planning applications is included in the NPPF, and includes the following:

- *'If significant harm resulting from a development cannot be avoided...adequately mitigated, or, as a last resort, compensated for, then planning permission should be refused;*
- *...opportunities to incorporate biodiversity improvements in and around development should be encouraged, especially where this can secure measurable net gains for biodiversity'.*

4.2.4 Mitigation, compensation and enhancement measures are recommended in Section 5 to enable the Scheme to be compliant with the above legislation and planning policy.

4.2.5 At local level, the Scheme is encompassed by three councils: Wealden District Council and Lewes District Council and the South Downs National Parks Authority. Their planning policies pertaining to biodiversity are summarised below.

4.2.6 Wealden District council and part of the South Downs National Park have adopted the Wealden Core Strategy (adopted 2013). Within the Core Delivery Policies (Chapter 7), the policy WSC12 entitled Biodiversity states *‘..to contribute to the biodiversity targets provided in the Sussex Biodiversity Action Plan, the Council will prevent a net loss of biodiversity, ensure a comprehensive network of habitats, and work with partners to maximise opportunities to ensure habitats, biodiversity features and ecological networks are maintained, restored, enhanced and where possible created to achieve a net gain in biodiversity and sustain wildlife in both rural and urban areas.’*

4.2.7 Lewes District Council and the South Downs National Parks Authority both adopted the Lewes District Local Plan Part 1 Joint Strategy 2010 – 2030 (adopted 2016) Section 7 outlines the Core Delivery Policies with Core Policy, entitled Natural Environment and Landscape Character stating that ‘the natural environment of the district, including landscape assets, biodiversity, geodiversity, priority habitats and species and statutory and locally designated sites, will be conserved and enhanced by:

- *Maintaining and where possible enhancing the natural, locally distinctive and heritage landscape qualities and characteristics of the district including hedgerows, ancient woodland and shaws, as informed by the East Sussex County Landscape Assessment and the Lewes District Landscape Capacity Study;*
- *Ensuring that new development will not harm nature conservation interests, unless the benefits of development at that location clearly outweigh the harm caused. In such cases appropriate mitigation and compensation will be required;*
- *Maintaining and where possible enhancing local biodiversity resources including through maintaining and improving wildlife corridors, ecological networks and avoiding habitat fragmentation in both rural and urban areas;*
- *Working with neighbouring local authorities to contribute to the delivery of biodiversity improvements within the South Downs Way Ahead Nature Improvement Area and the Brighton and Lewes Downs Biosphere Project, as well as other projects and partnerships that are established during the plan period.’*

5 RECOMMENDATIONS

5.1 OVERVIEW

5.1.1 This section provides recommendations for further survey where appropriate. Recommendations are in accordance with good practice guidelines (Collins, 2016) and have been devised with the objective of ensuring that proposals are compliant with relevant legislation and planning policy pertaining to bats as summarised within Section 4 of this report and minimising the likelihood of delays being caused to the works programme.

5.1.2 The following preliminary recommendations should be refined once further survey work has been completed, given the presence of bat roosts is not yet confirmed within structures and trees with potential to support them.

5.2 FURTHER SURVEY

TREES

5.2.1 One hundred and eighty-seven individual trees and 17 groups of trees have been assessed as having potential to support roosting bats (low, moderate or high potential), as shown on Figure 2-1.

5.2.2 Where potential effects to trees (direct or indirect) upon trees with moderate-high roost suitability cannot be avoided through design, further survey should be undertaken. Initially, where possible, an at-height inspection of PRFs should be undertaken.

5.2.3 At-height inspections of trees (and groups of trees) with moderate-high suitability ratings are undertaken to gather more information regarding the likely presence of roosting bats and inform the requirements of mitigation measures. At-height inspections will further investigate the PRFs identified within the results of the PBRA and confirm (or upgrade/downgrade) their assigned potential.

5.2.4 If potential roosting cannot be ruled out at this stage, additional survey effort may be appropriate such as additional at-height inspections or bat emergence/ re-entry surveys. At-height inspections can be undertaken year-round, whilst emergence/ re-entry surveys must be undertaken at times when bats are active (i.e. not hibernating), optimally between May and August, inclusive. Emergence/ re-entry surveys of any given tree would require multiple visits in order to be robust.

5.2.5 As a precautionary approach has been used when classifying the suitability of the trees, it is considered reasonable that low-rated trees are not subject to further survey but will require mitigation as detailed in Section 5.3.

5.2.6 Areas not accessed as detailed in Table 2-2 which are likely to be affected by the Scheme (areas 2, 3, 5, 7, 10, 13, 14 and 16) will require further survey to establish if trees within these areas have bat roosting potential.

BUILDINGS AND STRUCTURES

5.2.7 Twenty-one buildings and two structures (bridge and culvert) have been assessed as having potential to support roosting bats (low, moderate or high potential), as shown on Figure 2-1.

5.2.8 It is understood that the buildings will remain unaffected by the Scheme, as such, no further building surveys are recommended at this stage. However, should the designs change to include alterations to the buildings with roost suitability then further survey should be considered.

5.2.9 It is recommended that a secondary inspection of PRFs within the Cuckmere bridge (S1) and the culvert (S2) is undertaken to confirm the assessment of their suitability for supporting roosting bats. The Polegate railway bridge (area 12 as detailed in Table 2-2) will require a PBRA to establish if it has bat roosting potential, as the structure could not previously be surveyed and will be directly affected by the Scheme.

5.2.10 If potential roosting cannot be ruled out at this stage, additional survey effort may be appropriate such as additional at-height inspections or bat emergence/ re-entry surveys. At-height inspections can be undertaken year-round, whilst emergence/ re-entry surveys must be undertaken at times when bats are active (i.e. not hibernating), optimally between May and August, inclusive.

5.3 PRELIMINARY MITIGATION AND AVOIDANCE MEASURES

5.3.1 Preliminary mitigation measures have been provided in this report. Detailed mitigation and avoidance measures will be defined following further survey (of moderate and high potential trees and all structures with bat roosting potential) and once the status of roosting bats in trees and structures affected by the Scheme has been established. Mitigation measures that may be suggested following further survey may include; seasonal timings of works and method statements implemented during any necessary removal/demolition works, under ecological supervision.

5.3.2 If necessary, trees with low potential may be felled/pruned following a pre-works inspection to confirm PRFs are still of low or negligible suitability for supporting roosting bats. In this instance it is recommended that contractors with basic bat awareness are employed and guidance with British Standard BS8596:2015 Surveying for Bats in Trees and Woodland is adhered to. A sectional soft felling approach is also recommended. Any sections of the tree identified as having bat roost potential will be lowered carefully to ground level using ropes. Each section will be laid on the ground with features facing upward for as long as possible before removal; this gives any bats a chance to vacate the tree should they be present.

MITIGATION LICENCING

5.3.3 In the event that the presence of bat roosts is identified and effects upon them cannot be avoided, it would be necessary to obtain a Natural England European Protected Species (EPS) Mitigation Licence to allow the Scheme to proceed legally.

5.3.4 The licence must be informed by an appropriate level of survey work and include a detailed mitigation strategy for the EPS in question. The requisite mitigation strategy may include seasonal constraints to the works.

SENSITIVE LIGHTING

5.3.5 Lighting both during the construction phase and operational phase of the Scheme could have a negative effect upon bat activity within the Scheme Extent.

5.3.6 It is recommended that the lighting strategy for the Scheme seeks to:

- Use the minimum light levels necessary for the relevant task / function, this may equate to reducing light intensity, and/or using the minimum number of light sources or minimum column height;

- Use hoods, louvres or other luminaire design features to avoid light spill onto retained and newly created areas of vegetation likely to be used by foraging and commuting bats;
- Use narrow spectrum light sources where possible to lower the range of species affected by lighting, specifically avoiding shorter wave length blue light, using instead warm/neutral colour temperature <2,700 kelvin lighting (BCT, 2018); and
- Use light sources that emit minimal ultra-violet light to avoid attracting night-flying invertebrate species which in turn may attract bats to the light.

5.3.7

Where possible, consideration should also be given to varying the lighting levels in particularly ecologically valuable areas. For example, it may be possible to reduce lighting levels or perhaps even switch installations off after certain times e.g. between 00:00 and sunrise in the vicinity of tree lines of proposed landscaping. This use of “adaptive lighting” can tailor the installation to suit human health and safety as well as wildlife needs (BCT, 2018).

6 CONCLUSION

- 6.1.1 The Scheme is likely to affect trees with suitability for roosting bats, although buildings and structures with roost suitability will remain unaffected under the current proposals. Trees with potential suitability to support bat roosts could be affected directly through felling and pruning, and/or indirectly through nearby lighting and habitat loss/fragmentation.
- 6.1.2 At-height inspections of moderate to high suitability trees are recommended to gather information regarding the potential presence of roosting bats and inform the requirement for mitigation measures. Further survey of structures with potential bat roosting potential is also recommended, which includes the Cuckmere bridge and the culvert. Survey of the Polegate railway bridge is also recommended, given the current Scheme design. Following this, further survey may be considered in the form of emergence/ re-entry surveys or further climbing survey.
- 6.1.3 Preliminary mitigation recommendations are made within this report, these recommendations should be clarified following further survey work within a detailed mitigation strategy for the Scheme. A Natural England EPS Mitigation licence may be required in the event that trees or structures with roosting bats are identified at any stage and effects cannot be avoided.

7

REFERENCES

7.1 PROJECT REFERENCES

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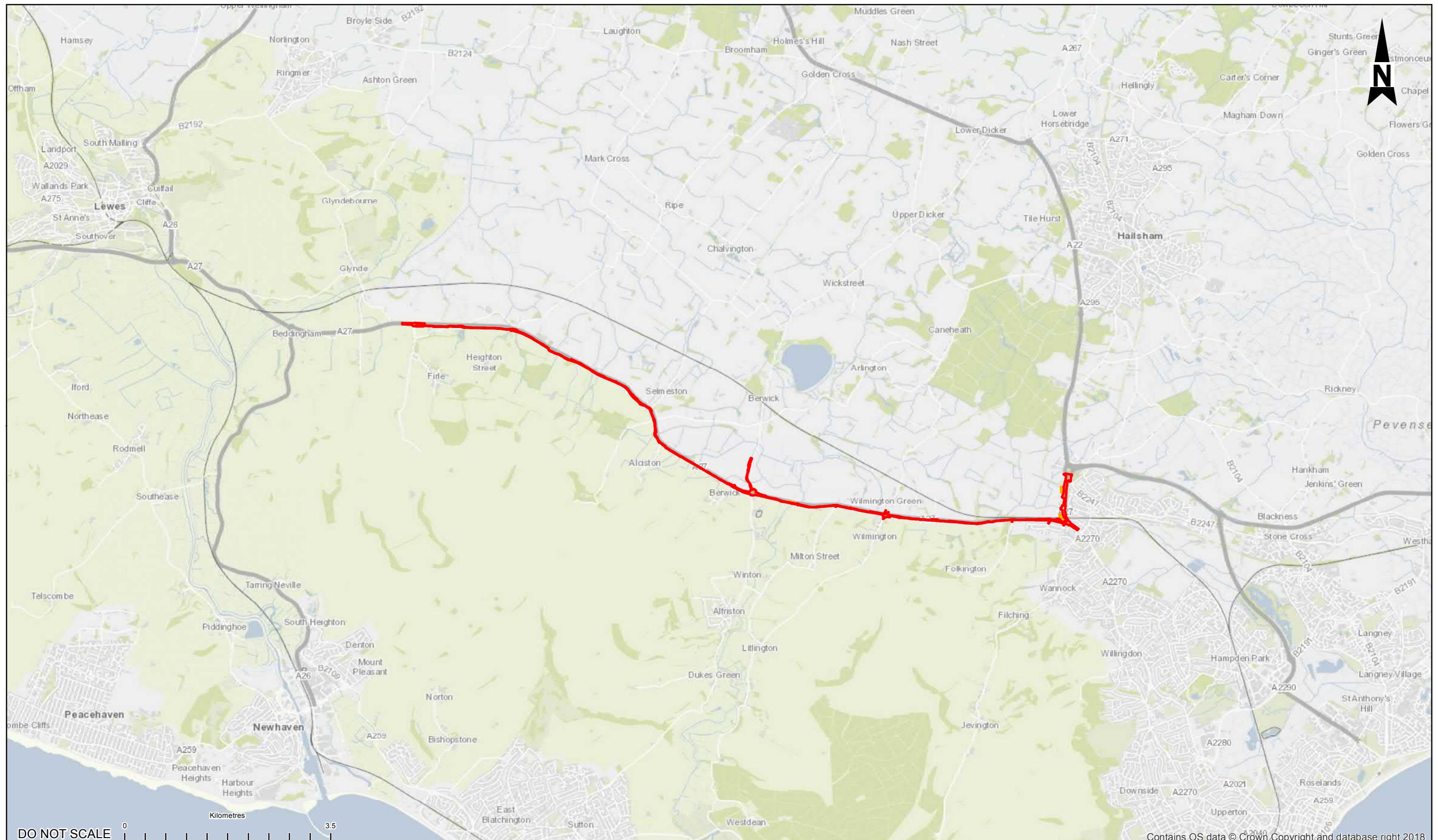
7.2 TECHNICAL REFERENCES

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FIGURES

Figure 1-1 – Scheme Extent Location Plan

Figure 2-1 – Preliminary Bat Roost Inspection Results



KEY:

- Permanent Works
- Temporary Works

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Use

Decommissioning / Demolition

Drawing Status

FINAL

Suitability

S0

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FIGURE 1-1:
SCHEME EXTENT LOCATION PLAN

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1:60,524

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SC

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VD

Approved

AH

Authorised

MS

Date

02/01/2019

Original Size

A3

Date

02/01/2019

Date

02/01/2019

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02/01/2019

Date

Project Ref. No.

70035418

Revision

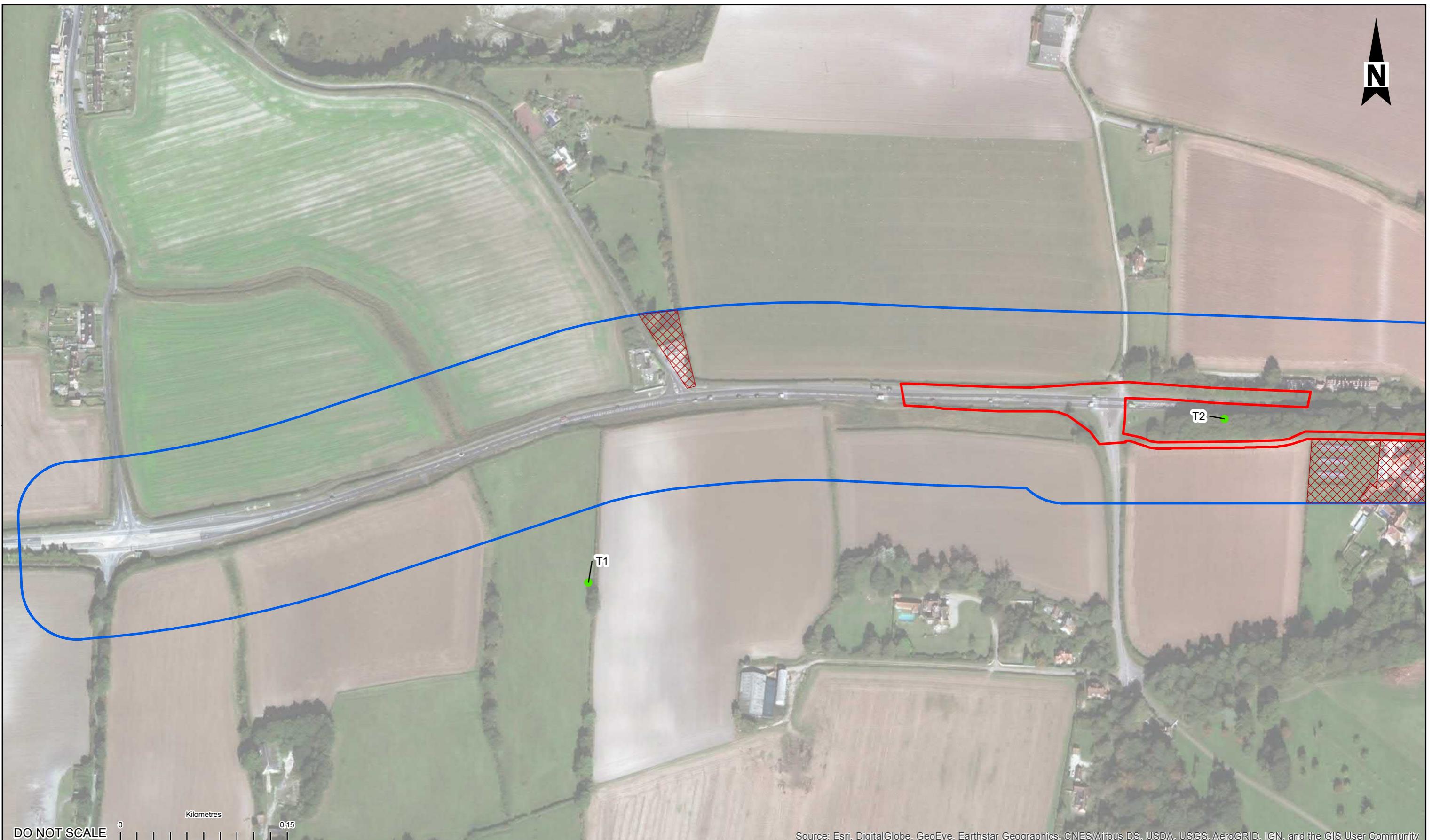
P01

Location

Type

Role

Number



DO NOT SCALE

0 Kilometres 0.15

KEY:

- Survey Area
- Permanent Works
- Temporary Works
- No access
- No access - residential properties (outside of Scheme Extent)
- Trees
- Low potential

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| Maintenance / Cleaning |
| Use |
| Decommissioning / Demolition |

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HE552988 WSP

Scale 1:3,200 Drawn SC Checked VD Approved LR Authorised MS
Original Size A3 Date 17/01/19 Date 17/01/19 Date 17/01/19 Date 17/01/19
Drawing Number Project Originator Volume
Location Type Role Number
Revision P01

Project Ref. No.
70035418Revision
P01



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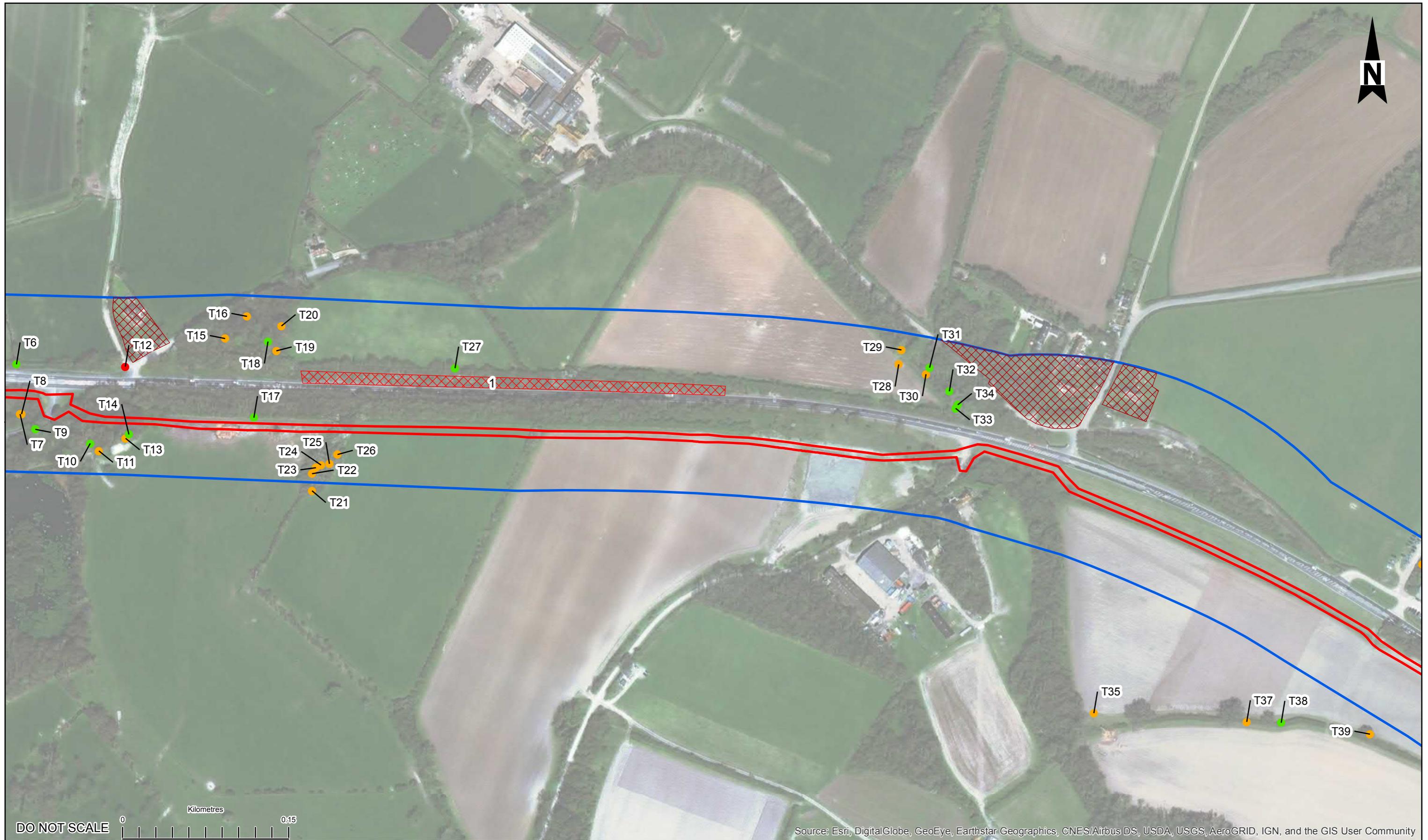
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| KEY: | |
|---------------------------------------|---|
| — | Survey Area |
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| — | Temporary Works |
| ■ | No access |
| ■■■ | No access - residential properties (outside of Scheme Extent) |
| ● | Trees |
| ● | High potential |
| ● | Moderate potential |
| ● | Low potential |

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| Maintenance / Cleaning | | | www.wspgroup.co.uk | | | | PRELIMINARY BAT ROOST |
| Use | | | www.pbworld.com | | | | INSPECTION RESULTS |
| Decommissioning / Demolition | P01.1 | First Issue | | | | | PAGE 2 OF 17 |
| | Rev. | Date | Description | By | Chkd | Appd | |
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|  highways england | | | | | | | |
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| Original Size | A3 | Date | 17/01/19 | Date | 17/01/19 | Date | 17/01/19 |
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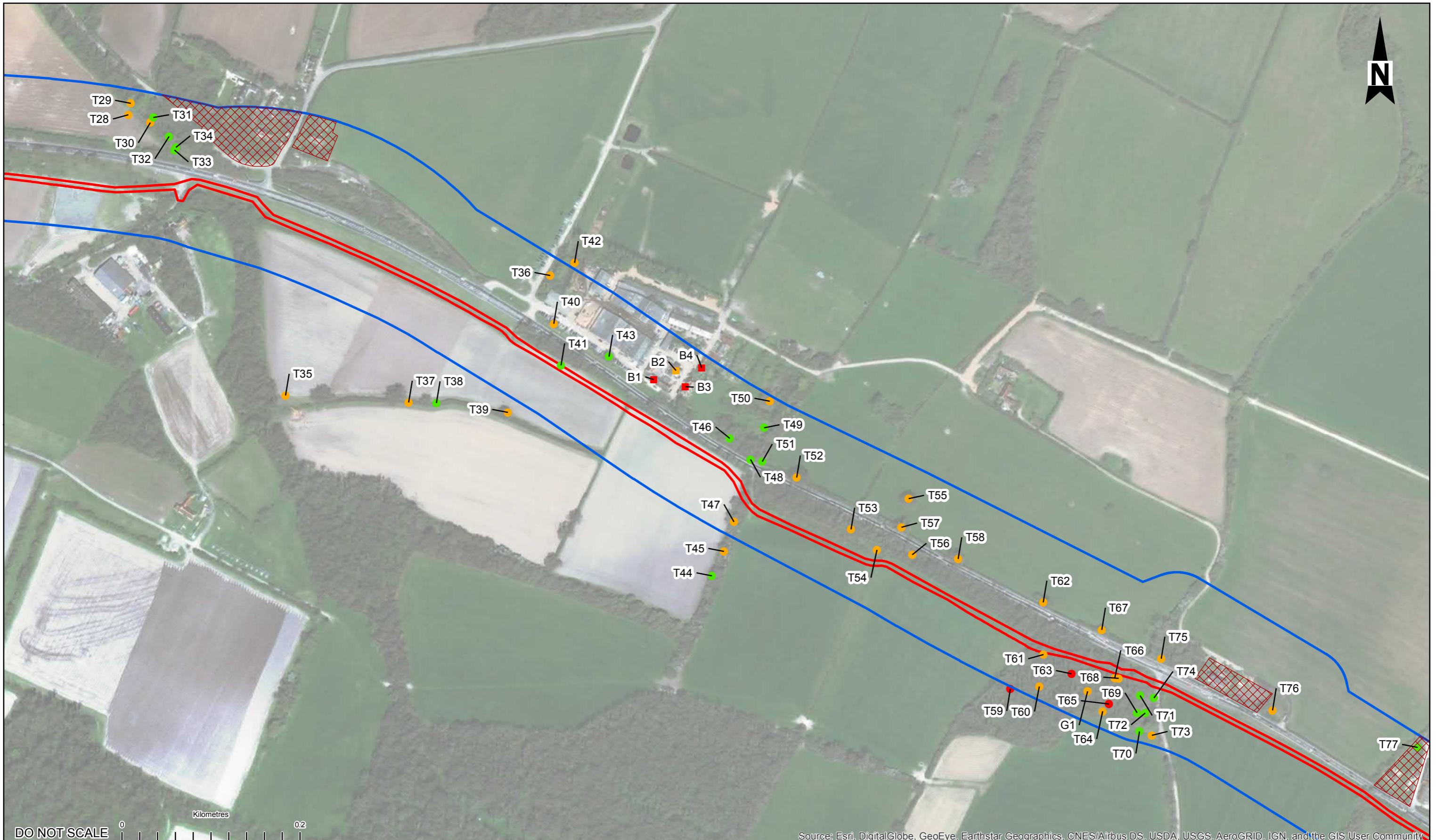
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| KEY: | |
|---------------------------------------|---|
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| — | Temporary Works |
| — | No access |
| — | No access - residential properties (outside of Scheme Extent) |
| ● | Trees |
| ● High potential | |
| ● Moderate potential | |
| ● Low potential | |

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| — | Survey Area | FINAL | S0 | WSP | WSP House 70 Chancery Lane London WC2A 1AF Tel: +44 (0)20 7314 5000 www.wspgroup.co.uk www.pbworld.com | Drawing Title FIGURE 2-1: PRELIMINARY BAT ROOST INSPECTION RESULTS PAGE 3 OF 17 | | | | |
| — | Permanent Works | | | | | Scale 1:3,200 | Drawn SC | Checked VD | Approved LR | Authorised MS |
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| ● Moderate potential | | | | | | | | | | |
| ● Low potential | | | | | | | | | | |



DO NOT SCALE

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| KEY: | |
|---|--|
| Survey Area | |
| Permanent Works | |
| Temporary Works | |
| No access | |
| No access - residential properties (outside of Scheme Extent) | |
| Trees | |
| High potential | |
| Moderate potential | |
| Low potential | |
| Buildings & Structures | |
| High potential | |
| Moderate potential | |

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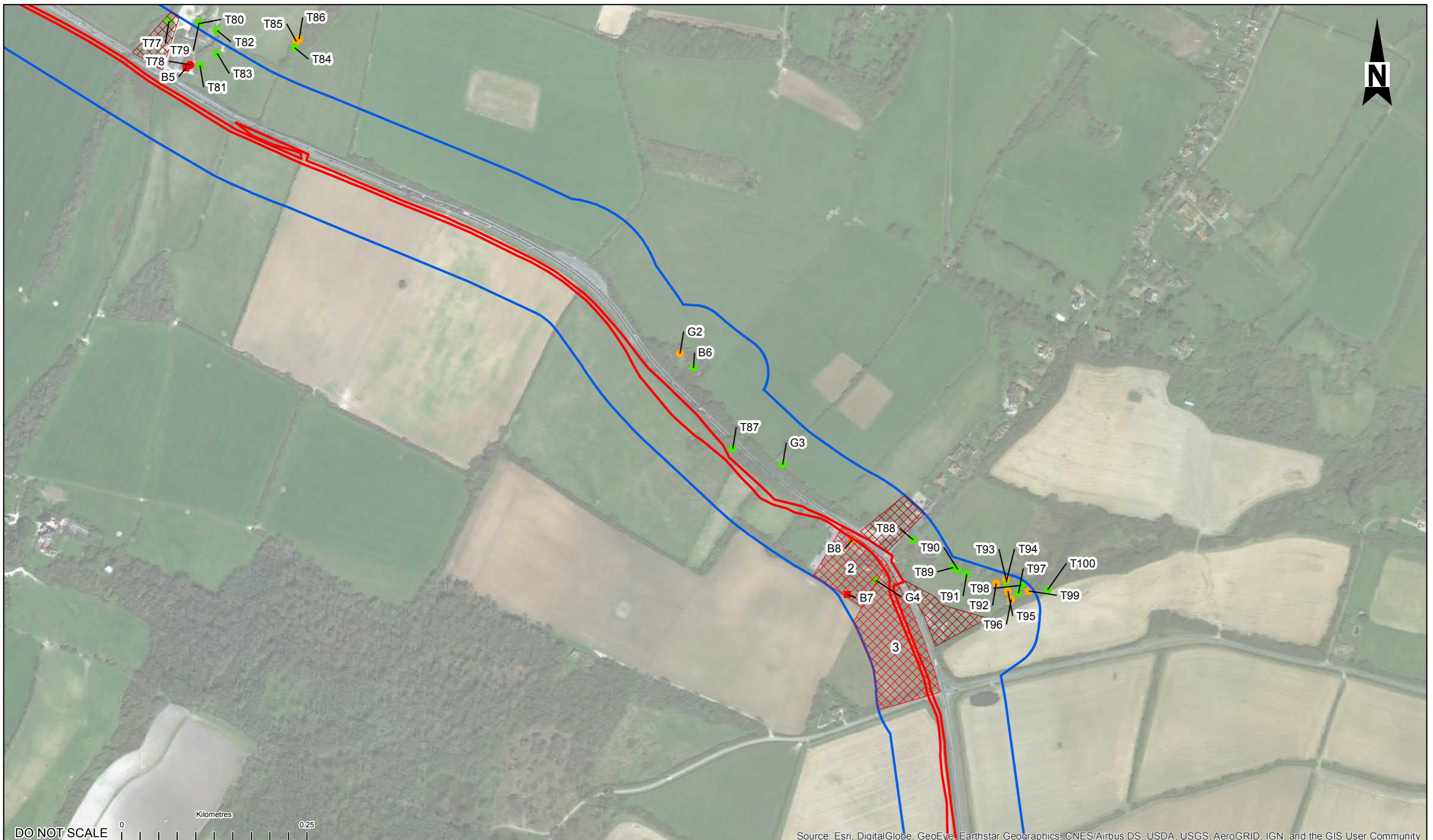
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Construction

Maintenance / Cleaning

Use

Decommissioning / Demolition



DO NOT SCALE

Kilometres

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| KEY: | |
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| — | Temporary Works |
| — | No access |
| — | No access - residential properties (outside of Scheme Extent) |
| ● | Trees |
| ● | High potential |
| ● | Moderate potential |
| ● | Low potential |
| ■ | Buildings & Structures |
| ■ | High potential |
| ■ | Moderate potential |
| ■ | Low potential |

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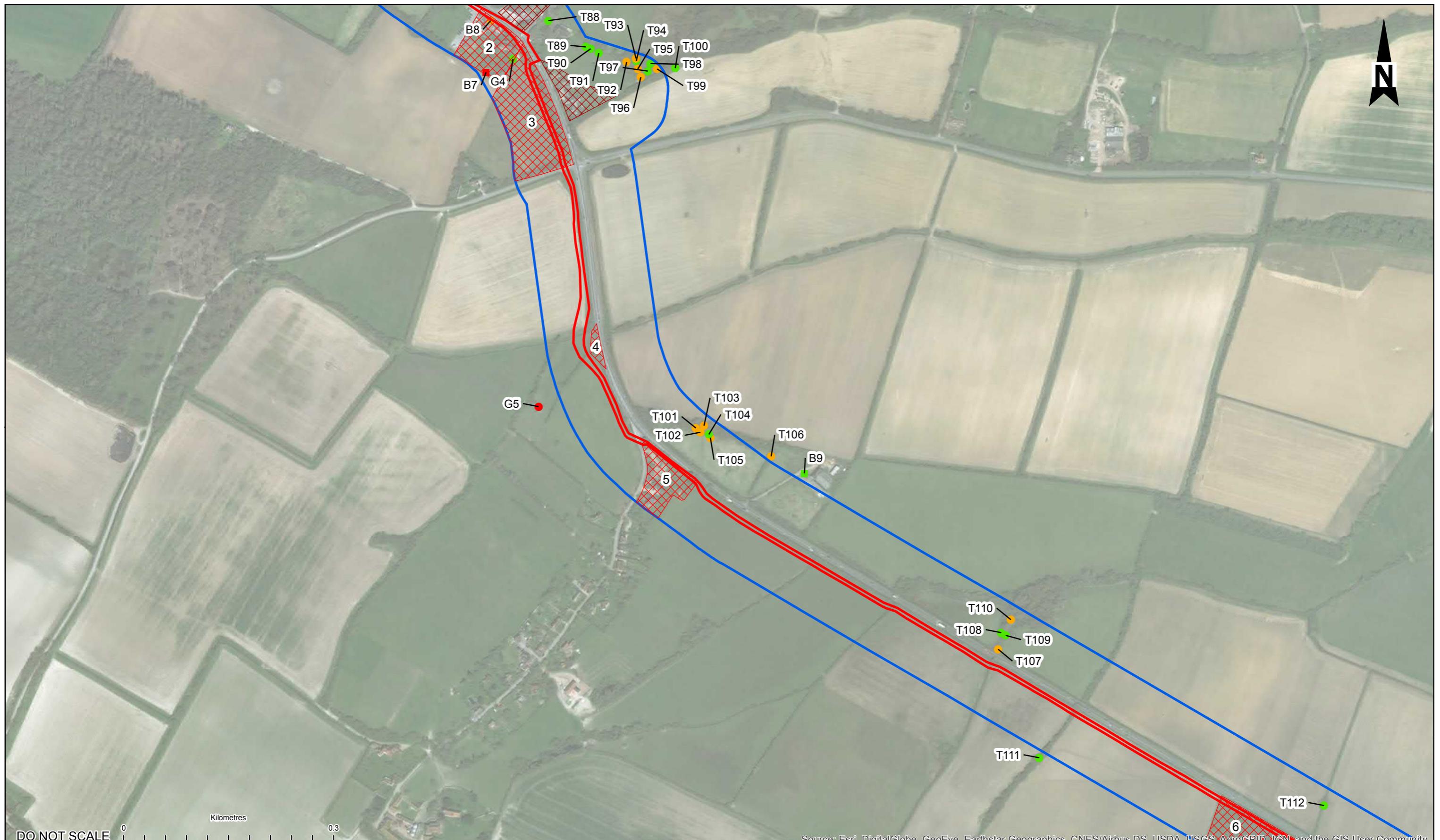
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Maintenance / Cleaning

Use

Decommissioning / Demolition

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| | | | | Original Size | Date | Checked | Approved |
| | | | | A3 | 17/01/19 | VD | LR |
| | | | | Drawing Number | Originator | Volume | Authorised |
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| ● | High potential |
| ● | Moderate potential |
| ● | Low potential |
| ■ | Buildings & Structures |
| ■ | High potential |
| ■ | Moderate potential |
| ■ | Low potential |

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Use

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Suitability

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Project Ref. No.

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Location

Type

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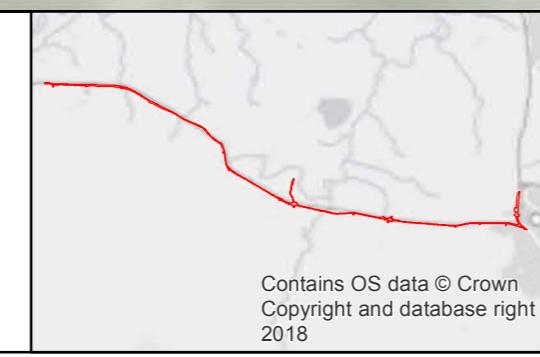
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| ● | Low potential |
| ■ | High potential |
| ■ | Moderate potential |
| ■ | Low potential |

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| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION | |
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| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log). | |
| Construction | |
| Maintenance / Cleaning | |
| Use | |
| Decommissioning / Demolition | |

| Drawing Status | | Suitability | | Project Title | | | | | | | | | |
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| Working on behalf of | | 1:4,000 | | SC | | LR | | | | | | | |
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| england | | A3 | | 17/01/19 | | 17/01/19 | | | | | | | |
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| P01 | | | | | | | | | | | | | |
| Location | | Type | | Role | | Number | | | | | | | |

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PRELIMINARY BAT ROOST
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PAGE 8 OF 17

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Working on behalf of

highways

england

Scale 1:4,000 Drawn SC Approved LR Authorised MS

Original Size A3 Date 17/01/19 Date 17/01/19 Date 17/01/19 Date 17/01/19

Drawing Number Project Originator Volume Project Ref. No.

HE552988 WSP 70035418

Revision P01



DO NOT SCALE

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0.2

| KEY: | |
|---------------------------------------|---|
| — | Survey Area |
| — | Permanent Works |
| — | Temporary Works |
| — | No access |
| — | No access - residential properties (outside of Scheme Extent) |
| ● | Moderate potential |
| ● | Low potential |
| ■ | Buildings & Structures |
| ■ | High potential |
| ■ | Moderate potential |
| ■ | Low potential |

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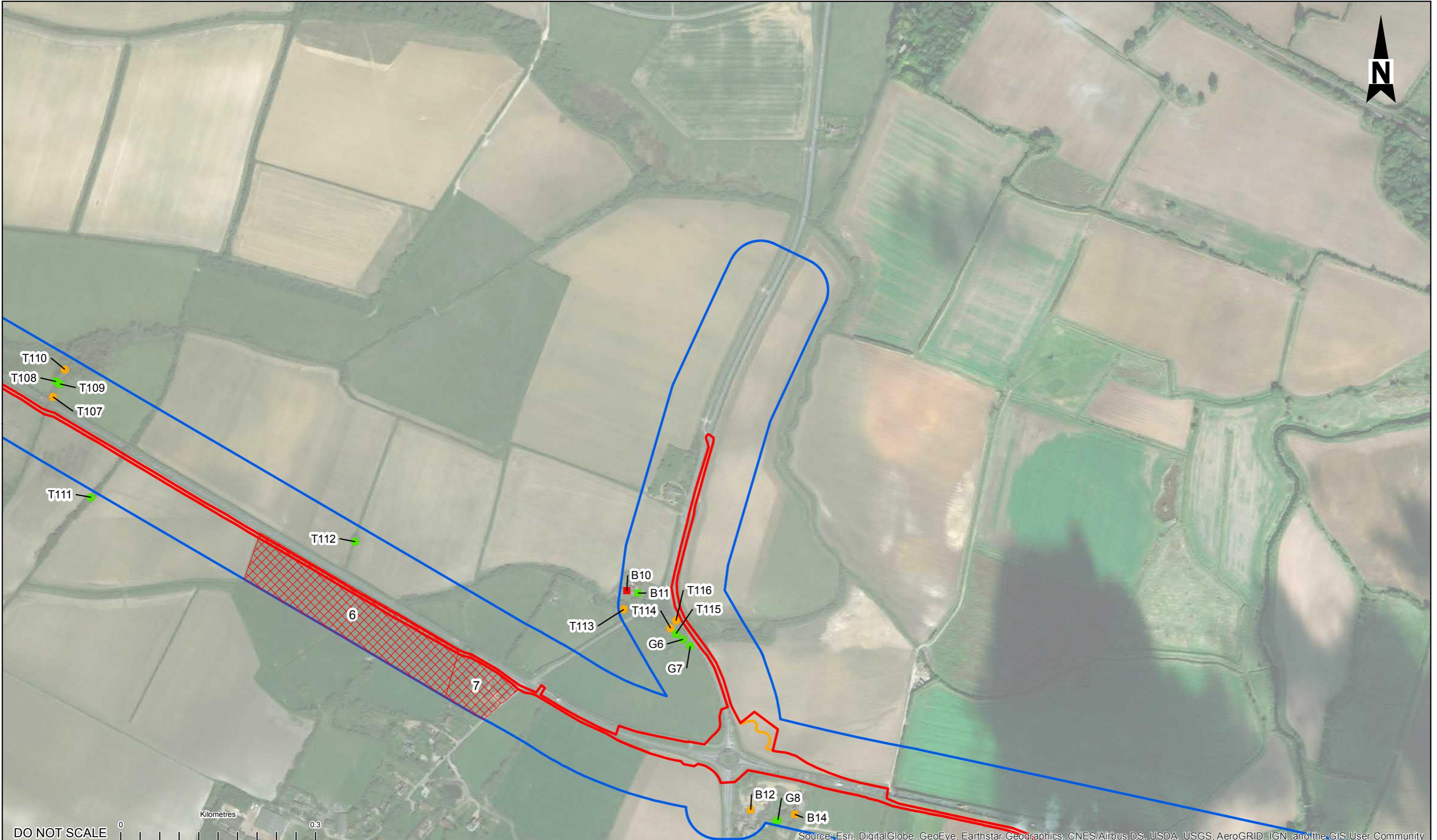
Construction

Maintenance / Cleaning

Use

Decommissioning / Demolition

| Drawing Status | | Suitability | | Project Title | | | |
|------------------------------|----------------------|--|------------------|---|----------|----------|----------|
| FINAL | | S0 | | A27 EAST OF LEWES | | | |
| WSP | | WSP House 70 Chancery Lane London WC2A 1AF Tel: +44 (0)20 7314 5000 www.wspgroup.co.uk www.pbworld.com | | Drawing Title FIGURE 2-1: PRELIMINARY BAT ROOST INSPECTION RESULTS PAGE 9 OF 17 | | | |
| Copyright © WSP Group (2018) | | | | | | | |
| Client | Working on behalf of | | Scale | 1:3,300 | Drawn | SC | Checked |
| | highways england | | Original Size | A3 | Date | 17/01/19 | Date |
| | | | Project Ref. No. | 70035418 | 17/01/19 | 17/01/19 | 17/01/19 |
| | Drawing Number | | Originator | | Volume | | |
| | HE552988 | | WSP | | | | |
| | Revision | | P01 | | | | |
| | Location | | Type | | Role | | Number |



DO NOT SCALE

Kilometres

0

0.3

| KEY: | |
|---------------------------------------|---|
| — | Survey Area |
| — | Permanent Works |
| — | Temporary Works |
| — | No access |
| — | No access - residential properties (outside of Scheme Extent) |
| ● | Moderate potential |
| ● | Low potential |
| ■ | High potential |
| ■ | Moderate potential |
| ■ | Low potential |

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Construction

Maintenance / Cleaning

Use

Decommissioning / Demolition

Drawing Status

FINAL

S0

Project Title
A27
EAST OF LEWES



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FIGURE 2-1:
PRELIMINARY BAT ROOST
INSPECTION RESULTS
PAGE 10 OF 17

Scale 1:5,500 Drawn SC Checked VD Approved LR Authorised MS

Original Size A3 Date 17/01/19 Date 17/01/19 Date 17/01/19 Date 17/01/19

Drawing Number Project Originator Volume Project Ref. No. HE552988 WSP 70035418

Revision P01





DO NOT SCALE

| KEY: | |
|---------------------------------------|---|
| — | Survey Area |
| — | Permanent Works |
| — | Temporary Works |
| — | No access |
| — | No access - residential properties (outside of Scheme Extent) |
| ● | Moderate potential |
| ● | Low potential |
| ■ | Moderate potential |
| ■ | Low potential |

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Construction

Maintenance / Cleaning

Use

Decommissioning / Demolition

Drawing Status WSP Project Title A27 EAST OF LEWES

Suitability S0 Drawing Title FIGURE 2-1: PRELIMINARY BAT ROOST INSPECTION RESULTS PAGE 11 OF 17

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Scale 1:3,200 Drawn SC Checked VD Approved LR Authorised MS

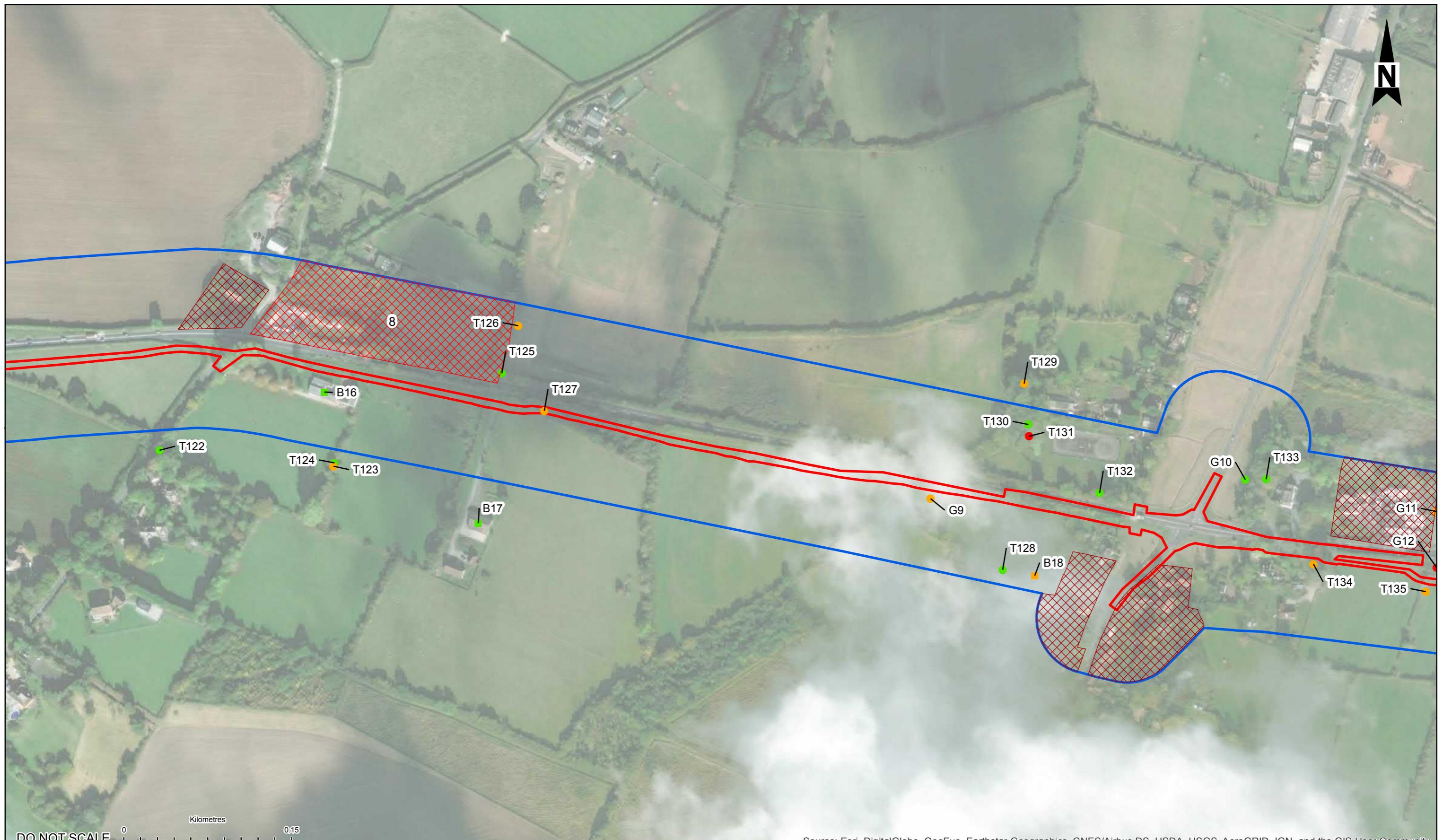
Original Size A3 Date 17/01/19 Date 17/01/19 Date 17/01/19 Date 17/01/19

Drawing Number HE552988 Project Originator Volume Project Ref. No. 70035418

Revision P01

Location Type Role Number

Path: \\uk.wspgroup.com\\central data\\Projects\\1700354xx\\170035418 - A27EastOfLewes\\02 WIP\\GIS\\Mxd\\Ecology\\PBRA\\PBRA v0.1.mxd Plotter: UKSGC002 Date: Jan 17, 2019 - 08:46AM



DO NOT SCALE

0 Kilometres 0,15

| KEY: | |
|---------------------------------------|---|
| — | Survey Area |
| — | Permanent Works |
| — | Temporary Works |
| ■ | No access |
| ■ | No access - residential properties (outside of Scheme Extent) |
| ● | Trees |
| ● | High potential |
| ● | Moderate potential |
| ● | Low potential |
| ■ | Buildings & Structures |
| ■ | Moderate potential |
| ■ | Low potential |

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Construction

Maintenance / Cleaning

Use

Decommissioning / Demolition

Drawing Status



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Client

FINAL

S0

Project Title

A27
EAST OF LEWES

Drawing Title

FIGURE 2-1:
PRELIMINARY BAT ROOST
INSPECTION RESULTS
PAGE 12 OF 17

Scale

1:3,200

Drawn

SC

Checked

VD

Approved

LR

Authorised

MS

Original Size

A3

Date

17/01/19

Date

17/01/19

Date

17/01/19

Date

17/01/19

Project Ref. No.

70035418

Revision

P01

Drawing Number

HE552988

Originator

WSP

Volume

Project Ref. No.

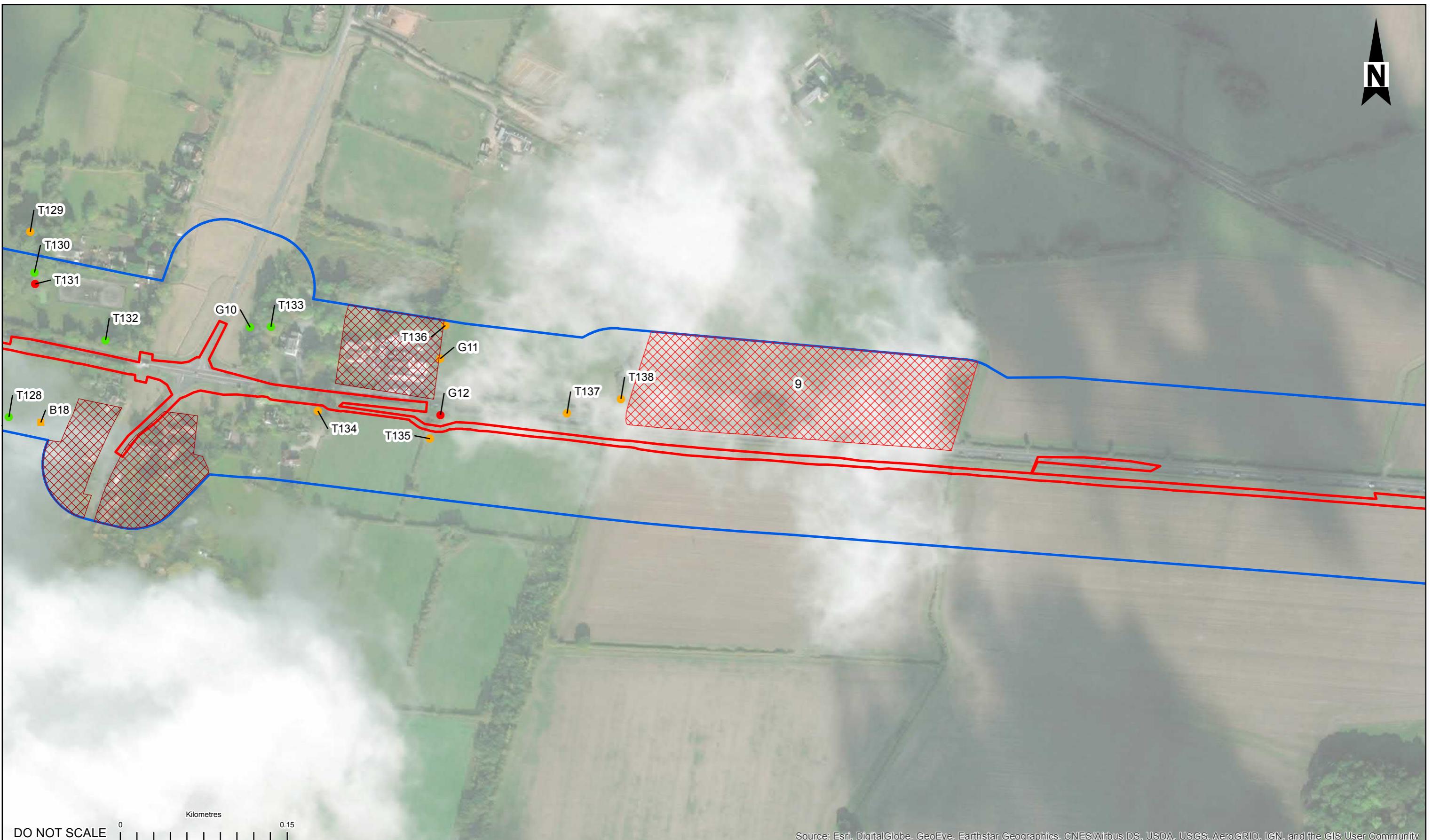
70035418

Revision

P01

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community





DO NOT SCALE

0 0.15 Kilometres

| KEY: | |
|---------------------------------------|---|
| — | Survey Area |
| — | Permanent Works |
| — | Temporary Works |
| ■ | No access |
| ■ | No access - residential properties (outside of Scheme Extent) |
| ● | Trees |
| ● | High potential |
| ○ | Moderate potential |
| ● | Low potential |
| ■ | Buildings & Structures |
| ■ | Moderate potential |

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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Construction

Maintenance / Cleaning

Use

Decommissioning / Demolition

Drawing Status

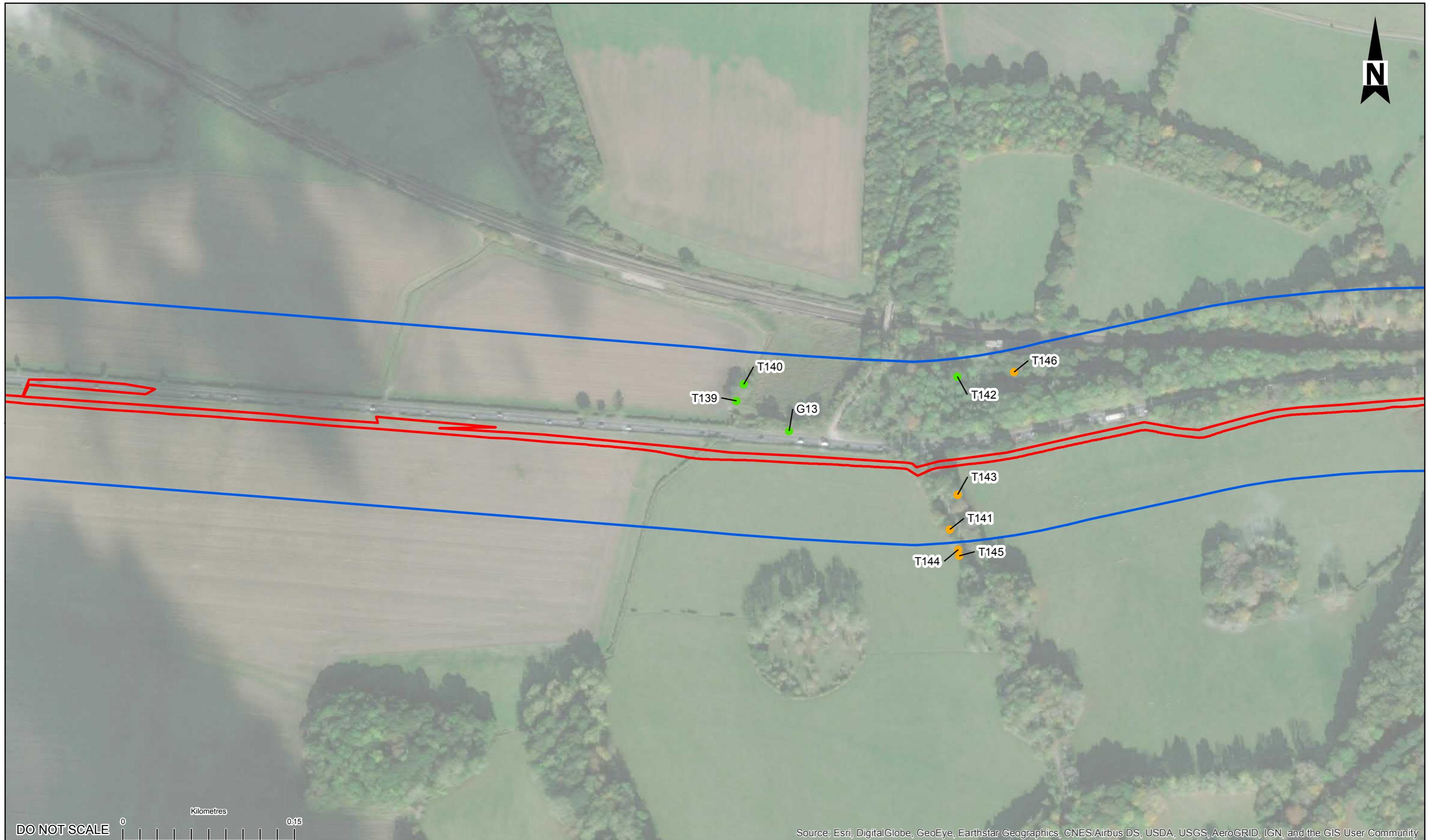
FINAL

Suitability

S0

Project Title

A27
EAST OF LEWES



DO NOT SCALE

KEY:

- Survey Area
- Permanent Works
- Temporary Works
- No access
- No access - residential properties (outside of Scheme Extent)

Trees

- Moderate potential
- Low potential

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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Construction

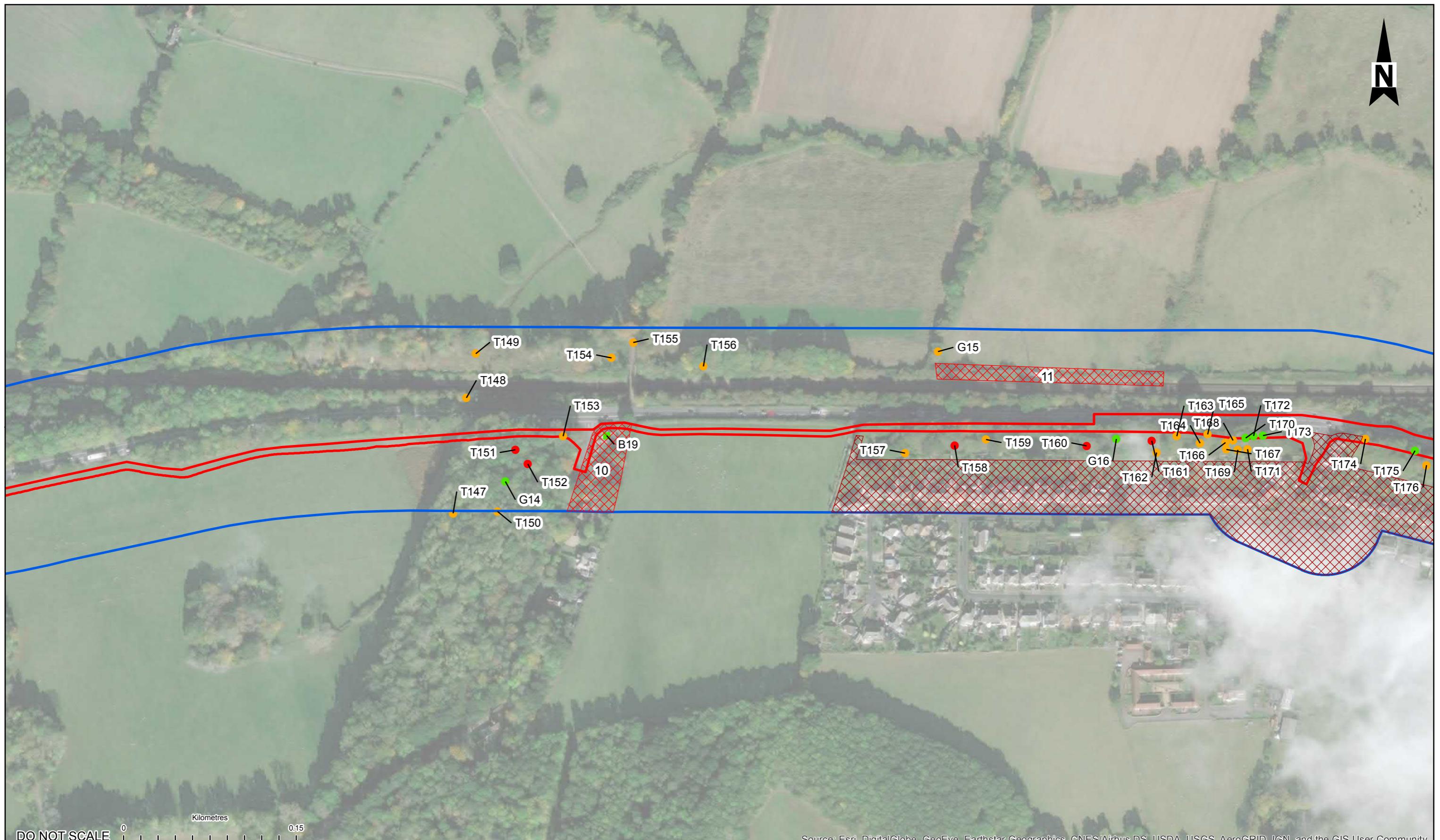
Maintenance / Cleaning

Use

Decommissioning / Demolition

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

| Drawing Status | | Suitability | Project Title | | | | |
|------------------------------|----------|--|---|---------------|----------------|----------|----------|
| FINAL | | S0 | A27 EAST OF LEWES | | | | |
| Client | | WSP | | Drawing Title | | | |
| Copyright © WSP Group (2018) | | WSP House 70 Chancery Lane London WC2A 1AF Tel: +44 (0)20 7314 5000 www.wspgroup.co.uk www.pbworld.com | FIGURE 2-1: PRELIMINARY BAT ROOST INSPECTION RESULTS PAGE 14 OF 17 | | | | |
| Scale | 1:3,100 | Drawn | SC | Checked | VD | Approved | LR |
| Original Size | A3 | Date | 17/01/19 | Date | 17/01/19 | Date | 17/01/19 |
| Project Ref. No. | 70035418 | | | | Drawing Number | | |
| Project | HE552988 | | | | Originator | Volume | |
| highways england | WSP | | | | Revision | P01 | |
| Location | Type | Role | Number | | | | |



DO NOT SCALE

0 | 0.15

| KEY: | |
|---------------------------------------|---|
| — | Survey Area |
| — | Permanent Works |
| — | Temporary Works |
| — | No access |
| — | No access - residential properties (outside of Scheme Extent) |
| ● | Trees |
| ● | High potential |
| ● | Moderate potential |
| ● | Low potential |
| ■ | Buildings & Structures |
| ■ | Low potential |

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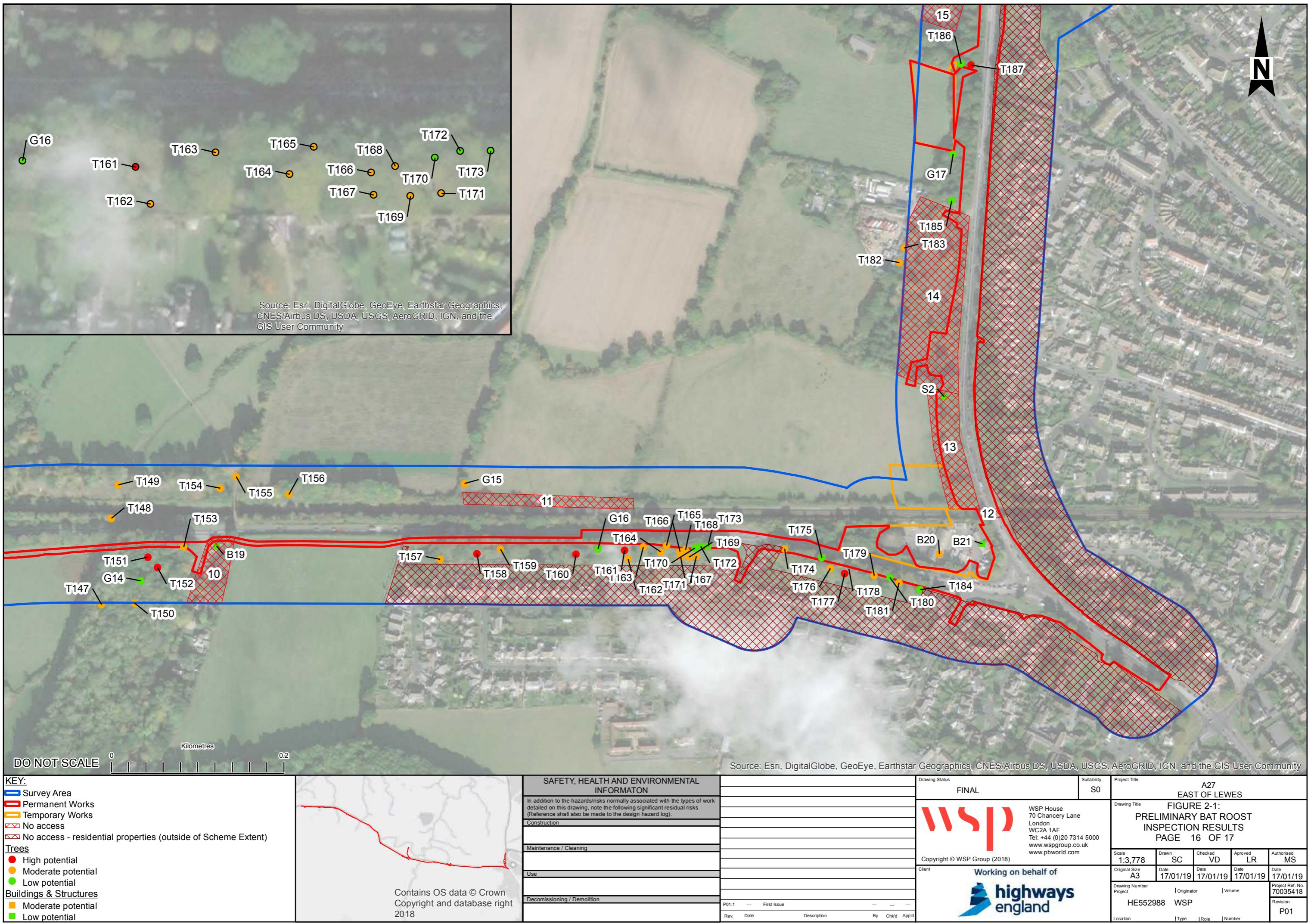
Construction

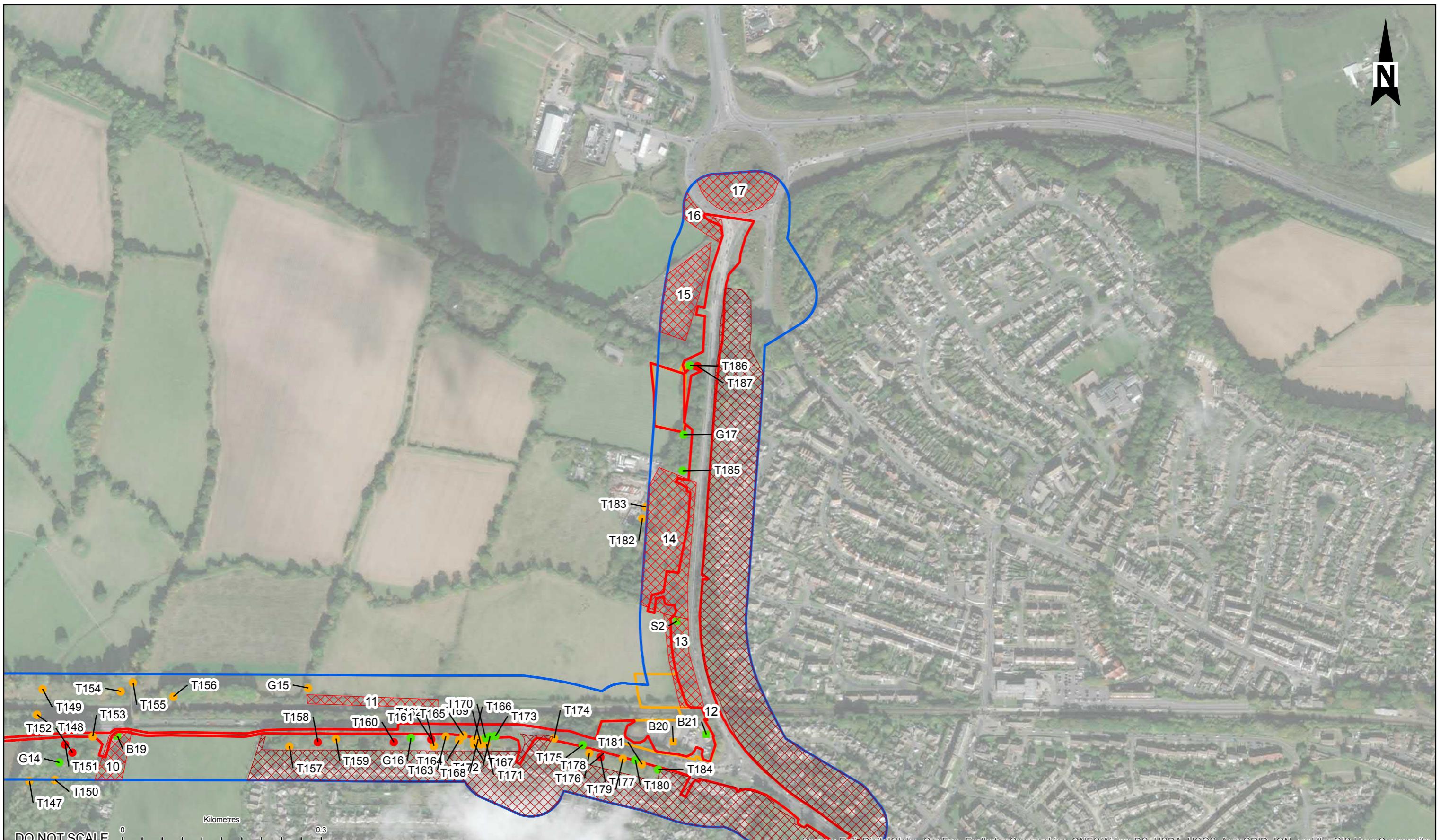
Maintenance / Cleaning

Use

Decommissioning / Demolition

| Drawing Status | | Suitability | | Project Title | | | | | | | | | |
|--|--|-----------------|--|---|--|---------------------------|--|--|--|--|--|--|--|
| FINAL | | S0 | | A27 EAST OF LEWES | | | | | | | | | |
| WSP House 70 Chancery Lane London WC2A 1AF Tel: +44 (0)20 7314 5000 www.wspgroup.co.uk www.pbworld.com | | Drawing Title | | FIGURE 2-1: PRELIMINARY BAT ROOST INSPECTION RESULTS PAGE 15 OF 17 | | | | | | | | | |
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| Client: Working on behalf of highways england | | | | | | | | | | | | | |
| Scale: 1:3,100 | | Drawn: SC | | Checked: VD | | Approved: LR | | | | | | | |
| Original Size: A3 | | Date: 17/01/19 | | Date: 17/01/19 | | Date: 17/01/19 | | | | | | | |
| Drawing Number: HE552988 | | Originator: WSP | | Volume: 1 | | Project Ref. No: 70035418 | | | | | | | |
| Location: P01 | | Revision: P01 | | | | | | | | | | | |





DO NOT SCALE

Kilometres

KEY:
— Survey Area
— Permanent Works
— Temporary Works
— No access
— No access - residential properties (outside of Scheme Extent)
Trees
● High potential
● Moderate potential
● Low potential
Buildings & Structures
■ Moderate potential
■ Low potential

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Construction

Maintenance / Cleaning

Use

Decommissioning / Demolition

Drawing Status FINAL Suitability S0 Project Title A27 EAST OF LEWES



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Drawing Title FIGURE 2-1:
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INSPECTION RESULTS
PAGE 17 OF 17

Scale 1:5,400 Drawn SC Checked VD Approved LR Authorised MS

Original Size A3 Date 17/01/19 Date 17/01/19 Date 17/01/19 Date 17/01/19

Project Ref. No. 70035418

Drawing Number HE552988 Originator Volume

Project Ref. No. 70035418

Revision P01



Appendix A

TREE PBRA RAW DATA

| Identification number | Tree/ Group | Species | Approx. Height (m) | Age (OM/M/SM/I) | Description of features with potential to support bats | Brief description of surrounding habitats | Grid reference | Distance from scheme extent (m) | Orientation to A27 | Overall Suitability Category |
|-----------------------|-------------|----------------|--------------------|-----------------|--|--|----------------|---------------------------------|--------------------|------------------------------|
| | | | | | | | | | | |
| T1 | T | Ash | 9 | SM | Hole in main stem 1m W. Within group of trees. Full inspection not possible due to access, tree surveyed from distance. | In hedgerow between arable field and pasture field. Nearby river. | TQ4620607944 | 308 | S | Low |
| T2 | T | Cherry spp | 8 | SM | Rotted wound 0.5m-1m W stem. | In woodland adjacent to A27 and pasture field. Nearby lake and hedgerows | TQ4677808091 | 0 | S | Low |
| T3 | T | Dead | 6 | D | Peeling bark E stem. | In scattered scrub between arable fields, adjacent to A27. Woodland and hedgerows in close proximity. | TQ4715408116 | 36 | N | Low |
| T4 | T | Horse Chestnut | 8 | SM | Split from butt-rot 1m long NE stem. In a disturbed area. | In woodland strip adjacent to A27, road lay-by and pasture field. | TQ4715708070 | 0 | S | Low |
| T5 | T | Sycamore | 12 | SM | Tear out with cavity going up 4m NW stem. | In woodland adjacent to lake and local road. Nearby pasture fields. | TQ4745707991 | 33 | S | Moderate |
| T6 | T | Sycamore | 8 | SM | Twin-stem tree. Dense ivy cover on stem and major limbs which given the height and age of the tree may obscure potential features of interest. | Adjacent to A27 and river between two semi-improved fields. | TQ4747308098 | 16 | N | Low |
| T7 | T | Sycamore | 9 | SM | Tear out with cavity going up 2m S stem. | In woodland adjacent to river, between local road and A27. Nearby hedgerows and pasture field. | TQ4747708053 | 0 | S | Moderate |
| T8 | T | Sycamore | 9 | SM | Tear out with possible cavity 2m S major limb. | Next to stream on the edge of woodland, near trees and hedgerows. | TQ4747808053 | 0 | S | Moderate |
| T9 | T | Horse Chestnut | 15 | M | Several impact-shattered major and minor limbs with possible crevices 3-5m across several aspects. | In woodland adjacent to lake and local road. | TQ4749008040 | 0 | S | Low |
| T10 | T | Lime | 12 | SM | Knot hole 6m SE major limb. | In woodland adjacent to pasture field and lake. | TQ4754008027 | 19 | S | Low |
| T11 | T | Sycamore | 5 | I | Tear out with cavity going up 0.5m NE stem. | In woodland adjacent to pasture field and lake. | TQ4754808020 | 26 | S | Moderate |
| T12 | T | Ash | 8 | M | Large tear out 3m E and W, fairly exposed. 4 impact-shatters including 2 major limbs 3-5m N. Knot hole 2m minor limb. | At end of hedgerow adjacent to local road and A27 and a semi-improved grassland field. | TQ4757208096 | 16 | N | High |
| T13 | T | Sycamore | 6 | SM | Tear out with cavity going up 2.5m S stem. Knot hole 3.5m E stem. | In woodland adjacent to pasture field and road. In close proximity to lake. Connected to wider landscape by woods. | TQ4757208032 | 13 | S | Moderate |
| T14 | T | Oak | 6 | SM | Impact-shatter 3m SE minor limb. | In woodland adjacent to pasture field and A27. In close proximity to lake. | TQ4757508035 | 10 | S | Low |
| T15 | T | Yew | 6 | SM | Woodpecker nesting hole 3m S stem. | In woodland adjacent to pasture field and A27. In close proximity to lake. | TQ4766208122 | 49 | N | Moderate |
| T16 | T | Beech | 18 | M | Wound leading to cavity 4m S stem. Knot hole 5m W minor limb and two impact-shattered major limbs 6m W and 9.5m S. | In woodland adjacent to pasture field and A27. In close proximity to lake. | TQ4768208142 | 69 | N | Moderate |
| T17 | T | Ash | 9 | SM | Tear out with exposed crevice NE stem. | In woodland adjacent to pasture field and A27. In close proximity to lake. | TQ4768808050 | 0 | S | Low |
| T18 | T | Horse chestnut | 12 | M | Multiple knot holes on minor limbs 3m SE, 3m SE, 4m S. | In woodland adjacent to pasture field between local road and A27. Nearby hedgerows. | TQ4770108119 | 47 | N | Low |
| T19 | T | Ash | 8 | M | Multiple wounds from cankers with cavities behind 0.5m - 5m W stem. | In woodland adjacent to pasture field between local road and A27. Nearby hedgerows. | TQ4770808110 | 38 | N | Moderate |
| T20 | T | Horse Chestnut | 11 | SM | Frost crack with cavity 2m S stem. | In woodland adjacent to pasture field between local road and A27. Nearby hedgerows. | TQ4771308133 | 61 | N | Moderate |

| | | | | | | | | | | |
|-----|---|------------|----|----|---|--|--------------|-----|---|----------|
| T21 | T | Ash | 8 | SM | Multi-stem tree with features on each stem. Tear out with rot leading to internal cavity going up 1m stem. Wound with cavity possible cavity going up major limb. Tear out 6m E major limb. | In woodland between pasture field and improved grassland. | TQ4774007984 | 55 | S | Moderate |
| T22 | T | Ash | 8 | SM | Two woodpecker nesting holes 2-3m W major limb. | In woodland between pasture field and improved grassland. | TQ4774008000 | 39 | S | Moderate |
| T23 | T | Ash | 9 | M | Woodpecker nesting hole 6m NW minor limb. | In woodland between pasture field and improved grassland. | TQ4774408005 | 34 | S | Moderate |
| T24 | T | Ash | 9 | M | Several woodpecker nesting holes 4-6m NE stem. | In woodland between pasture field and improved grassland. Connected to wider landscape by woods and hedgerows. | TQ4774908007 | 31 | S | Moderate |
| T25 | T | Ash | 12 | M | Two woodpecker nesting holes 5m NW & 5m SW stem. | In woodland between pasture field and improved grassland. Connected to wider landscape by woods and hedgerows. | TQ4775608008 | 30 | S | Moderate |
| T26 | T | Ash | 8 | M | Several woodpecker nesting holes 5m NW, 7m NW, 7m W & 6m E stem. Impact-shatter at top of stem. Tree in poor condition. | In woodland between pasture field and improved grassland. | TQ4776308017 | 21 | S | Moderate |
| T27 | T | Sycamore | 10 | SM | Tear out 1.5m N stem. | In woodland adjacent to pasture field and A27, nearby hedgerows. | TQ4787008095 | 28 | N | Low |
| T28 | T | Willow | 15 | M | Tear out 2m S stem, feature has a visible cavity entrance. | In woodland adjacent to arable field and local road. In close proximity to stream, nearby hedgerows. | TQ4827108098 | 54 | N | Moderate |
| T29 | T | Willow sp. | 7 | SM | Tear out 2m E stem, potential cavity going up inside stem. | Within woodland, next to a stream, adjacent to arable field. | TQ4827308111 | 67 | N | Moderate |
| T30 | T | Alder | 10 | M | Knot hole 3m S stem with possible cavity within stem. | Edge of woodland next to stream, adjacent to arable field. | TQ4829508089 | 52 | N | Moderate |
| T31 | T | Sycamore | 12 | M | Two knot holes 4m S minor limb & 2m S major limb. Three flush cuts with gaps around edge 5m, 7m and 8m NE. | Edge of woodland next to stream, adjacent to arable field. | TQ4829908095 | 58 | N | Low |
| T32 | T | Beech | 18 | M | Two impact-shatters 3.5m W minor limb & 5m N major limb. Dense ivy cover on stem and major limbs which given the height and age of the tree may obscure potential features of interest. | Edge of woodland next to stream, adjacent to arable field. | TQ4831608074 | 44 | N | Low |
| T33 | T | Ash | 8 | M | Multiple rot holes W stem, hollow minor limb 6m. | Edge of woodland next to stream, adjacent to arable field. | TQ4832208059 | 30 | N | Low |
| T34 | T | Willow | 8 | M | Impact-shattered with split 4m E minor limb. Feature pointing up. | Edge of woodland next to stream, adjacent to arable field. | TQ4832408062 | 33 | N | Low |
| T35 | T | Ash | 15 | M | Tear out 5m E. Full inspection of W aspect not possible. | Woodland edge adjacent to arable field, nearby hedgerows. | TQ4844707783 | 170 | S | Moderate |
| T36 | T | Oak | 15 | M | Two impact-shatters 3m E major limb and 4m N minor limb. Full inspection of S aspect not possible due to slurry run. | Behind barns in farm yard, in a group of mature oaks in an effluent storage area. | TQ4849308077 | 93 | N | Moderate |
| T37 | T | Oak | 12 | M | Tear out NE 8m NE. | In hedgerow between arable fields, nearby woodland | TQ4858507775 | 117 | S | Low |
| T38 | T | Oak | 9 | M | 11 knot holes at various height and aspects. Full inspection of S aspect not possible. | In hedgerow between arable fields, nearby woodland | TQ4861607774 | 103 | S | Moderate |
| T39 | T | Oak | 12 | M | Impact-shattered major limb with exposed old cavity with potential crevices 5m NE. Tear out 5m NW main stem, desiccation fissure 6m NW major limb. | Tree on hedge line between arable fields. | TQ4869707764 | 71 | S | Moderate |
| T40 | T | Oak | 15 | M | Multiple longitudinal splits 4- 7m N stem, multiple tear outs 3 & 7m N minor limb. Spotlight on tree S aspect. | Adjacent to A27 and farm with barns, nearby ponds and hedgerows. | TQ4874807864 | 18 | N | Moderate |
| T41 | T | Oak | 12 | M | Knot hole 6-7m S. | In hedge adjacent to road, opposite arable field | TQ4875607817 | 0 | S | Low |

| | | | | | | | | | | |
|-----|---|--------------------|--------|----|---|---|--------------|----|---|----------|
| T42 | T | Oak | 10 | M | Multiple features on the main limb including 2 desiccation fissures, a helical split, rot holes, loose bark, a knot hole and shattered limb at multiple heights on all aspects. Dense ivy cover on stem which given the age of the tree may obscure potential features of interest. | Behind barns in farm yard, in a group of mature oaks in an effient storage area. | TQ4877107932 | 89 | N | Moderate |
| T43 | T | Oak | 15 | M | Impact-shatter 4m W major limb. Tear out 4m W major limb. Knot hole 2.5m NE stem. Some light disturbance from spotlight on S aspect. | Adjacent to A27 and car park, next to farm with barns, nearby ponds and hedgerows. | TQ4881007827 | 21 | N | Low |
| T44 | T | Oak | 10 | M | Impact-shattered limb 6m E, knot hole 4m E. | In hedgerow between pasture and arable field | TQ4892607581 | 87 | S | Low |
| T45 | T | Oak | <Null> | SM | Two desiccation fissures with cavities 2m W. | In hedgerow between pasture and arable field | TQ4893907608 | 57 | S | Moderate |
| T46 | T | Ash | 12 | M | Two shearing splits 0.5-3m N stem and 0.5 - 2m N major limb. | In woodland adjacent to A27. Pond, barns and hedgerows nearby. | TQ4894507735 | 19 | N | Low |
| T47 | T | Oak | <Null> | M | Multiple features including two impact-shatters 3m N and SE major limbs. Desiccation fissure 2m E major limb, two tear outs 3m N and 4m S minor limbs and a knot hole 2m W major limb. | In hedgerow between pasture and arable field | TQ4895007641 | 23 | S | Moderate |
| T48 | T | Oak | 15 | M | Two knot holes 3m NE stem and 6m N minor limb. Desiccation fissure 5m N minor limb and a cracked limb 10m N major limb. | In woodland adjacent to A27. Pond, barns and hedgerows nearby. | TQ4896907711 | 10 | N | Low |
| T49 | T | Unknown ornamental | 10 | M | Loose bark 6m SE major limb and 4m SE minor limb. | In a garden, adjacent to a pond and woodland. | TQ4898407747 | 49 | N | Low |
| T50 | T | Oak | 15 | M | Two knot holes - 4m SE on the major limb and 5m SE minor limb. | In a garden, adjacent to a pond and woodland. | TQ4899107776 | 78 | N | Low |
| T51 | T | Oak | 15 | M | Tear out 4m W major limb and longitudinal split/cracked limb 4m S. Multiple tear outs on minor limbs leading to potential cavities at 5 and 7m SE aspect. Flush cut 7m E minor limb. Full inspection of S aspect not possible due to proximity to road. | Edge of woodland adjacent to A27 and pasture field. Nearby pond and hedgerow. | TQ4901307709 | 27 | N | Moderate |
| T52 | T | Oak | 18 | M | Loose peeling bark 6m N major limb, impact-shatter major limb. Full inspection of S aspect not possible due to proximity to road. | Within hedgerow adjacent to A27 and pasture field. Nearby ponds and woodland. | TQ4902707699 | 24 | N | Moderate |
| T53 | T | Willow sp. | 3 | | Shearing split 1m long with cavity going up stem. | In woodland adjacent to A27 and pasture field. Nearby stream and hedgerows. | TQ4908207633 | 0 | S | Moderate |
| T54 | T | Willow sp. | 12 | M | Multi-stem (11) tree with 2 transverse-snaps with potential cavities and crevices. One stem split at the base leading to possible crevices or small cavity. | In woodland adjacent to A27 and pasture field. Nearby stream and hedgerows. | TQ4911107609 | 0 | S | Moderate |
| T55 | T | Oak | 12 | M | 3 rot holes 3m and 7m on multiple aspects, decay and loose bark 4m NE and 6m E, tear out 5m S and a 1m long desiccation fissure E. | Within pasture field, other nearby mature trees, hedgerows and woodland. | TQ4914507646 | 28 | N | Moderate |
| T56 | T | Ash | 10 | SM | Twin stem. W stem - wound 1.5m S. E stem - wound 1.5m S. Wounds may lead to possible cavities. Full inspection of N aspect not proximity to road. | In woodland adjacent to A27 and pasture field. Nearby stream and hedgerows. | TQ4915107604 | 0 | S | Moderate |
| T57 | T | Oak | 12 | M | Knot hole 4m E, lifting bark 5m N. Dense ivy cover on stem and major limbs which given the height and age of the tree may obscure potential features of interest. Full inspection of S aspect not possible due to proximity to road. | Within hedgerow adjacent to A27 and pasture field, nearby woodland. | TQ4915407627 | 16 | N | Moderate |
| T58 | T | Oak | 12 | M | Impact-shatter 4m N and 8m S, knot hole 4m E and 5m N. Full inspection of S aspect not possible due to proximity to road. | Within hedgerow adjacent to A27 and pasture field, nearby wood. | TQ4920207599 | 14 | N | Moderate |
| T59 | T | Oak | 15 | M | Split in main trunk with visible rot behind it, crevices visible 1.5m SE and lifted bark. | In woodland adjacent to A27 and pasture field. Nearby stream, hedgerows and arable field. | TQ4926107453 | 52 | S | High |
| T60 | T | Ash | 12 | M | Woodpecker nesting hole (still used by woodpeckers' at time of survey) 5m W main stem. | In woodland adjacent to A27 and pasture field. Nearby stream, hedgerows and arable field. | TQ4929307456 | 39 | S | Moderate |

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| T61 | T | Sycamore | 8 | SM | Three rot holes 2-3m N and S aspect. Holes fairly exposed but may lead to cavity. | In woodland adjacent to A27 and pasture field. Nearby stream, hedgerows and arable field. | TQ4929807492 | 3 | S | Moderate |
| T62 | T | Oak | 12 | M | Tear out 10m NE. Full inspection of S aspect not possible due to proximity to road. | Within hedgerow adjacent to A27 and pasture field, nearby woodland. | TQ4930207543 | 10 | N | Moderate |
| T63 | T | Sycamore | 6 | SM | Two woodpecker nesting holes 4 & 5m stem. Impact-shatter at top of stem. | In woodland adjacent to pasture field. Nearby stream, hedgerows and arable field. | TQ4932907471 | 14 | S | High |
| T64 | T | Black poplar | 18 | M | Tear out leading to rot hole where stem splits into 2 major limbs 10m N. | In woodland adjacent to A27 and arable field. Nearby stream, hedgerows and pasture field. | TQ4936407428 | 44 | S | Moderate |
| T65 | T | Sycamore | 10 | SM | Tear out with internal cavity 2m E stem. | In woodland adjacent to A27 and arable field. Nearby stream, hedgerows and pasture field. | TQ4937107437 | 34 | S | Moderate |
| T66 | T | Ash | 15 | M | Rotted frost crack 1-4m N stem. Visible cavity going up 4m N stem. | In woodland adjacent to A27 and arable field. Nearby stream, hedgerows and pasture field. | TQ4937807466 | 5 | S | High |
| T67 | T | Oak | 12 | M | Tear out 3m N, desiccation fissure 3m NW, decay/lifting bark 3m N, knot hole 3m W. Full inspection of S aspect not possible due to proximity to road. | Within hedgerow adjacent to road and pasture field, nearby wood. | TQ4938207519 | 24 | N | Moderate |
| T68 | T | Oak | 12 | M | Dead minor limb with lifted bark 5m W. Dense ivy cover on stem and major limbs which creatures a feature in its own right and given the height and age of the tree may obscure potential features of interest. | In woodland adjacent to A27 and arable field. Nearby stream, hedgerows and pasture field. | TQ4938207465 | 4 | S | Moderate |
| T69 | T | Oak | 18 | M | Split limb 10m W, tear out 11m N. | Woodland edge adjacent to arable field. Nearby stream, hedgerows and pasture field. | TQ4940307427 | 25 | S | Low |
| T70 | T | Oak | 8 | SM | Impact-shatter pointing down 3m SE major limb. | Woodland edge adjacent to arable field. Nearby stream, hedgerows and pasture field. | TQ4940507406 | 41 | S | Low |
| T71 | T | Oak | 10 | D | Lifted bark multiple heights and aspects minor limbs. | In woodland adjacent to A27 and arable field. Nearby stream, hedgerows and pasture field. | TQ4940607446 | 14 | S | Low |
| T72 | T | Oak | 15 | M | Lifted bark 8m N major limb. Fallen B.poplar leaning against it. | In woodland adjacent to A27 and arable field. Nearby stream, hedgerows and pasture field. | TQ4941207426 | 19 | S | Low |
| T73 | T | Willow | 15 | M | Wound 6m S major limb. | In woodland adjacent to A27 and arable field. Nearby stream, hedgerows and pasture field. | TQ4941907401 | 42 | S | Moderate |
| T74 | T | Ash | 15 | M | Dense ivy cover on main stem which given the height and age of the tree may obscure potential feature of interest. | In woodland adjacent to A27 and arable field. Nearby stream, hedgerows and pasture field. | TQ4942207443 | 0 | S | Low |
| T75 | T | Ash | 18 | M | Lifting bark 7m NW. Dense ivy cover on stem which given the height and age of the tree may obscure potential features of interest. Full inspection of S aspect not possible due to proximity to road. | In woodland adjacent to A27 and stream. Nearby pasture field, hedgerows and arable fields. | TQ4943007487 | 17 | N | Moderate |
| T76 | T | Oak | 8 | M | Knot holes 2m E and SE, desiccation fissure 2.5m NE. Full inspection of W and S aspects not possible due to access and proximity to road. | Within hedgerow adjacent to A27 and residential garden. Nearby wood and arable fields. | TQ4954907418 | 8 | N | Moderate |
| T77 | T | Hawthorn | 4 | M | Knot hole 1m W stem with cavity/crevice behind going up stem. Full inspection of E aspect not possible due to access. | In residential garden adjacent to hedgerow and arable field. Nearby woodland and farm. | TQ4971807388 | 71 | N | Low |
| T78 | T | Willow sp. | 6 | M | Butt rot E with cavity going up stem, possible urine staining observed inside feature. Impact-shatter 2m E major limb and longitudinal splits 2-4m E major limb. | Edge of farm yard, adjacent to barns and pasture field. Nearby hedgerows, arable fields and woodland. | TQ4974707329 | 36 | N | High |
| T79 | T | Willow sp. | 7 | SM | Knot hole 2m S stem. Treehouse being built onto tree. | In farm yard, adjacent to barns and pasture field. Nearby hedgerows, arable fields and woodland. | TQ4975907386 | 91 | N | Low |
| T80 | T | Willow sp. | 7 | M | Two longitudinal splits 1-5m E stem and 2-4m SE. Tear out 3m W. Treehouse being built onto tree. | In farm yard, adjacent to barns and pasture field. Nearby hedgerows, arable fields and woodland. | TQ4975907385 | 90 | N | Low |
| T81 | T | Willow sp. | 8 | M | Two knot holes 4m E major limb and 4m E minor limb. | Edge of farm yard, adjacent to barns and pasture field. Nearby hedgerows, arable fields and woodland. | TQ4976007328 | 42 | N | Low |

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| T82 | T | Willow sp. | 6 | SM | Two rot holes 2.5m and 4m N and SW stem. Woodpecker feeding holes 2-4m stem. | Edge of farm yard, adjacent to barns and pasture field. Nearby hedgerows, arable fields and woodland. | TQ4978307375 | 94 | N | Low |
| T83 | T | Willow sp. | 8 | SM | Tear out/rot hole 2m E major limb and loose bark 4m SE major limb. | Edge of farm yard, adjacent to barns and pasture field. Nearby hedgerows, arable fields and woodland. | TQ4978307344 | 68 | N | Low |
| T84 | T | Ash | 8 | SM | Shearing/helical split 3m N stem. | In woodland between pasture fields. Nearby hedgerows. | TQ4988707352 | 125 | N | Low |
| T85 | T | Ash | 8 | SM | Multiple rotting/decaying woodpecker feeding holes 2-4m several aspects stem. | In woodland between pasture fields. Nearby hedgerows. | TQ4989007360 | 134 | N | Moderate |
| T86 | T | Ash | 8 | SM | Two tear outs 4m NW and 5m SW stem. Knot hole 4m SW stem and a rot hole 5m NW stem. | In woodland between pasture fields. Nearby hedgerows. | TQ4989307364 | 138 | N | Moderate |
| T87 | T | Oak | 12 | M | Dense ivy cover on stem and major limbs which given the height and age of the tree may obscure potential features of interest. | In woodland strip adjacent to A27 and pasture field. Nearby pond and hedgerows. | TQ5047906811 | 0 | S | Low |
| T88 | T | Ash | 8 | M | Split impact-shattered minor limb 2.5m W, cavity above flush cut 2.5m N stem. | Adjacent to local road and cricket club. Nearby tree line, cricket pitch and woodland. | TQ5072306688 | 35 | N | Low |
| T89 | T | Oak | 12 | M | Tear out 2m N major limb, tear out and gap around a flush cut 2-3m NE minor limb and gap around a flush cut 2m N minor limb. | In a line of scattered trees between cricket pitch and field. Nearby woodland. | TQ5077606650 | 68 | N | Low |
| T90 | T | Oak | 12 | M | Two ivy covered impact-shattered minor limbs 2m N and S. Tear out 4m S main limb. Peeling bark 1-2m N. | In a line of scattered trees between cricket pitch and field. Nearby woodland. | TQ5078306647 | 73 | N | Low |
| T91 | T | Oak | 8 | M | Impact-shatter 4m S major branch. Frost crack 1m long with visible crevices inside stem. Tear out 2m E. | In a line of scattered trees between cricket pitch and field. Nearby woodland. | TQ5079506641 | 84 | N | Low |
| T92 | T | Oak | 12 | M | Two tear outs 2.5m SW and 5m E minor limbs. | In woodland between cricket pitch and arable field. Nearby stream and hedgerows. | TQ5083406629 | 119 | N | Moderate |
| T93 | T | Elder | 4 | SM | Holes in stem 0.5m SE and 0.6m SW with cavity going up inside. | In woodland between cricket pitch and arable field. Nearby stream and hedgerows. | TQ5084806634 | 134 | N | Moderate |
| T94 | T | Oak | 10 | M | Peeled bark around a flush cut 2.5m N minor limb and impact-shatter 5m NE minor limb. | In woodland between cricket pitch and arable field. Nearby stream and hedgerows. | TQ5084806630 | 133 | N | Low |
| T95 | T | Ash | 15 | M | Old ivy covered shattered limb 1m N, large tear out with cavity going up N minor limb, large hole in main stem where tree has fallen over E ground level. | In woodland between cricket pitch and arable field. Nearby stream and hedgerows. | TQ5085006618 | 130 | N | Moderate |
| T96 | T | Willow sp. | 8 | M | Shearing split with cavity going up inside 1m N minor limb. Peeling bark 4m S minor limb. | In woodland between cricket pitch and arable field. Nearby stream and hedgerows. | TQ5085506607 | 130 | N | Moderate |
| T97 | T | Oak | 8 | SM | Knot hole 2m E and tear out 1.5m NW major limb. | In woodland between cricket pitch and arable field. Nearby stream and hedgerows. | TQ5086406615 | 142 | N | Low |
| T98 | T | Oak | 15 | M | Shattered limb 5m N, split in major limb 2.5m W. | In woodland between cricket pitch and arable field. Nearby stream and hedgerows. | TQ5086806626 | 150 | N | Low |
| T99 | T | Dead | 3 | D | Large split (1m long) created from butt rot with cavity going up. Lots of rot on tree. | In woodland adjacent to arable field. Nearby stream and hedgerows. | TQ5087806618 | 156 | N | Moderate |
| T100 | T | Oak | 10 | M | Frost crack 1m long 2-3m E main limb. | In woodland adjacent to arable field and stream. Nearby hedgerows. | TQ5091206605 | 183 | N | Low |
| T101 | T | Hawthorn | 4 | M | Impact-shatter minor branch, split in minor limb, tear out leading to cavity in limb. | In woodland strip between arable and pasture field. Nearby hedgerows and barn. | TQ5093306106 | 57 | N | Moderate |
| T102 | T | Ash | 10 | M | Tear out at base of minor limb leading to cavity within limb 0.5m N. | In woodland strip between arable and pasture field. Nearby hedgerows and barn. | TQ5094006100 | 56 | N | Moderate |
| T103 | T | Ash | 8 | M | Twin stem. S stem rotten and hollow with fissures. Knot hole on major limb of N stem. | In woodland strip between arable and pasture field. Nearby hedgerows and barn. | TQ5094506109 | 67 | N | Moderate |
| T104 | T | Ash | 8 | M | Tear out 3m W stem, knot hole 3m E. | In woodland strip between arable and pasture field. Nearby hedgerows and barn. | TQ5095206096 | 61 | N | Low |
| T105 | T | Ash | 6 | SM | Knot hole 3m S minor limb. | In woodland strip between arable and pasture field. Nearby hedgerows and barn. | TQ5095406092 | 59 | N | Moderate |

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| T106 | T | Willow sp. | 7 | M | Transverse-snapped major limb 1m E. Multiple expansion splits on major limbs 1.5m E and N. Tear out major limb 1.5m N. Tear out with cavity major limb S. | In hedgerow between pasture fields, adjacent to woodland. Nearby barn and arable field. | TQ5104106065 | 90 | N | Moderate |
| T107 | T | Field maple | 5 | M | Transverse-snapped major limbs 3-4m. Peeling bark 0.5m E branch. Full inspection not possible due to barbed wire fence. | Within woodland between pasture fields, adjacent to A27 . Nearby hedgerows. | TQ5136505789 | 16 | N | Moderate |
| T108 | T | Black poplar | 12 | SM | Rot hole with some lifted bark around hole 5m W major limb. | Within woodland between pasture fields, adjacent to A27 . Nearby hedgerows. | TQ5137005813 | 39 | N | Low |
| T109 | T | Ash | 12 | M | Multi-stem tree. Features on E most stem. Tear out with hole 4-5m E stem, rot holes E. | Within woodland between pasture fields, adjacent to A27 . Nearby hedgerows. | TQ5137605809 | 39 | N | Low |
| T110 | T | Black poplar | 13 | M | Twin stem tree. Features on N stem. Tear out with hole at top which could lead to a cavity major limb N. | Within woodland between pasture fields, adjacent to A27 . Nearby hedgerows. | TQ5138305832 | 62 | N | Moderate |
| T111 | T | Oak | 15 | M | Hole leading to hollow stem 1m S stem. | In hedgerow between arable fields. Nearby woodland strip. | TQ5142405635 | 80 | S | Low |
| T112 | T | Oak | 7 | M | Peeling bark N minor limb. | In hedgerow between arable fields. Nearby pasture fields. | TQ5183105566 | 59 | S | Low |
| T113 | T | Willow sp. | 8 | M | Hazard beam with lengthwise split through stem creating large opening through length of stem. | In residential garden. Nearby pond, hedgerows, pasture field and woodland. | TQ5224405462 | 78 | N | Moderate |
| T114 | T | Dead tree | 4 | D | Impact shatter at top of stem, multiple woodpecker nesting holes 3 -4m E stem. Lifted bark stem. | Within old dried pond in woodland between two local roads, adjacent to pasture field. Nearby hedgerows. | TQ5231605433 | 21 | N | Moderate |
| T115 | T | Willow sp. | 6 | M | Fallen tree with hollow stem and multiple major limbs, crevices possible. | Within woodland between two roads, adjacent to pasture field. Nearby hedgerows. | TQ5232505425 | 18 | N | Low |
| T116 | T | Ash | 10 | M | Woodpecker nesting holes 6m E stem. | Edge of woodland between two roads, adjacent pasture field. Nearby hedgerows. | TQ5232505444 | 8 | N | Moderate |
| T117 | T | Oak | 6 | SM | 2m long sheathing split with cavity above going up ground level stem. | In hedgerow between arable field and scattered scrub. Nearby river and woodland. | TQ5342804979 | 16 | S | Moderate |
| T118 | T | Ash | 4 | M | Large stem split 20-30cm wide and >1m long with centre of the tree rotted away 2m stem. | In hedgerow between arable field and scattered scrub. Nearby river and woodland. | TQ5343204977 | 18 | S | Moderate |
| T119 | T | Ash | 5 | M | Tear out leading to hollow stem 1.5m - 2m SW stem. | In hedgerow between arable field and scattered scrub. Nearby river and woodland. | TQ5344004980 | 14 | S | Moderate |
| T120 | T | Field maple | 4 | SM | Knot hole leading to hollow stem 1m W stem. | Along path between two hedgerows separating arable field from pasture field. Nearby woodland. | TQ5356605003 | 0 | S | Moderate |
| T121 | T | Oak | 8 | M | Two tear outs, two knot holes, longitudinal split 2-4m S. | In hedgerow between arable field and scattered scrub. Nearby woodland. | TQ5362105000 | 5 | S | Low |
| T122 | T | Ash | 8 | M | Dense ivy cover on stem and major limbs which given the height and age of the tree may obscure potential features of interest. | In hedgerow between pasture field and residential garden. Adjacent to local road. | TQ5378504930 | 59 | S | Low |
| T123 | T | Hawthorn | 4.5 | M | Tear out leading to cavity 1.5m W stem. No cobwebs over entrance hole at time of survey. | In hedgerow between pasture fields. Nearby farm buildings and residential gardens. | TQ5394004916 | 81 | S | Moderate |
| T124 | T | Crab apple | 5 | M | Knot hole in major limb 1m N. Rotted transverse snap major limb 0.5m N. | In hedgerow between pasture fields. Nearby farm buildings and residential gardens. | TQ5394104919 | 78 | S | Low |
| T125 | T | Ash | 6 | M | Impact-shatters on minor limbs. Dense ivy cover on stem and major limbs which given the height and age of the tree may obscure potential features of interest. | In hedgerow between pasture field and road. Nearby other hedgerows and pasture fields. | TQ5409104999 | 19 | N | Low |
| T126 | T | Oak | 10 | M | Woodpecker hole 4m E minor dead limb. Peeling bark 3m E dead limb. | In hedgerow between pasture field and road. Nearby other hedgerows and pasture fields. | TQ5410505042 | 63 | N | Moderate |
| T127 | T | Ash | 7 | SM | Knot hole 4m E branch. Full inspection not possible due to access to N. | In woodland adjacent to A27 and arable field. Nearby hedgerows, barns and ponds. | TQ5412904966 | 0 | S | Moderate |

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| T128 | T | Crack Willow | 8 | SM | Tree with dense ivy cover which may obscure potential features of interest. | In hedgerow between pasture fields. Nearby residential gardens and other hedgerows. | TQ5453904823 | 40 | S | Low |
| T129 | T | White poplar | 10 | M | Knot hole with 2 rotten cavities inside 1m E stem. | In line of scattered trees between semi-improved fields. In close proximity to pond. Nearby hedgerows, pond and farm. | TQ5455804990 | 48 | N | Moderate |
| T131 | T | Crack Willow | 10 | M | Butt rot leading to large cavity NE, helical split 4-5m NE. Impact-shatter 2m E major limb. Woodpecker nesting hole 2m E major limb. Majority of tree hollow from rot. | In line of scattered trees between semi-improved fields. Adjacent to pond. Nearby hedgerows and farm buildings. | TQ5456204943 | 13 | N | High |
| T130 | T | Ash | 4 | M | Knot hole 3m SW minor limb, tear out with exposed cavity 3m S major limb. | In line of scattered trees between semi-improved fields. In close proximity to pond. Nearby hedgerows and farm buildings. | TQ5456204953 | 17 | N | Low |
| T132 | T | Ash | 8 | SM | Knot hole 2-3m SE major limb, tear out 2-3m E major limb. | In hedgerow adjacent to A27 and poor semi-improved field. Nearby mature tree line, pond and farm buildings. | TQ5462604892 | 0 | N | Low |
| T133 | T | Beech | 10 | SM | Tear out 1m long 0.5 -1.5m stem, bird nesting in cavity at time of survey. Rotten major limb with impact-shatter at end. Exposed cavities. | In hotel gardens next to woodland strip. In close proximity to ponds. Nearby hedgerows and pasture fields. | TQ5477404904 | 29 | N | Low |
| T134 | T | Black poplar | 12 | SM | Tear out 0.5m long, 4m E with potential cavity below, birds nest present at time of survey. Knot hole 10m N with potential cavity behind. | In residential garden adjacent to road and pasture field. Connected to wider landscape by hedgerows. | TQ5481704829 | 6 | S | Moderate |
| T135 | T | Ash | 3 | D | Large stem split NW, 30cm wide and 2-3m long with the centre of tree rotted away. Cavity and crevices visible within split. | Within hedgerow between pasture fields. Connected to wider landscape by hedgerows. | TQ5491704804 | 13 | N | Moderate |
| T136 | T | Ash | 9 | M | Dead minor limb with knot hole 2m. Limb appears to be hollow so large cavity may be present. Full inspection of S & W aspects not possible due to access. | In hedgerow between pasture fields and residential garden. Nearby other hedgerows and pasture fields. | TQ5493104906 | 67 | N | Moderate |
| T137 | T | Ash | 6 | SM | Several knot holes on all aspects at various heights major and minor limbs. Full inspection not possible due to proximity to road on S. | In hedgerow between A27 and pasture field. Nearby other hedgerows, pasture fields and arable fields. | TQ5504104826 | 13 | N | Moderate |
| T138 | T | Oak | 7 | M | Flush cut, impact-shatter limb 3m E. Two knot holes 2m E major limb, 4-5m E major branch. Full inspection not possible due to access on W. | In hedgerow between pasture fields. Nearby other hedgerows, pasture fields and arable fields. | TQ5508904839 | 32 | N | Moderate |
| T139 | T | Willow | 10 | | Lifted bark and upward facing hole | Adjacent to stream between arable field and semi-improved field. Nearby woodland, hedgerows, bridge and railway line. | TQ5608204769 | 39 | N | Low |
| T140 | T | Willow | 10 | | Slight lifted bark | Adjacent to stream between arable field and semi-improved field. Nearby woodland, hedgerows, bridge and railway line. | TQ5608904783 | 54 | N | Low |
| T141 | T | Oak | 10 | M | Two woodpecker holes 4m N stem and 1.5m W. | In woodland strip between local road and pasture field. Nearby hedgerows, woodland and other pasture fields. | TQ5626904656 | 24 | S | Moderate |
| T142 | T | Oak | 15 | M | No features visible but very mature and dead parts | In woodland between railway line and A27. Nearby pasture fields, arable fields and hedgerows. | TQ5627504790 | 68 | N | Low |
| T144 | T | Oak | 12 | D | Lifting bark. | In woodland strip between local road and pasture field. Nearby hedgerows, woodland and other pasture fields. | TQ5627604639 | 43 | S | Moderate |
| T143 | T | Oak | 14 | M | Damage and rot at height, longitudinal scar 6m E. | In woodland strip between local road and pasture field. Nearby hedgerows, woodland and other pasture fields. | TQ5627604687 | 10 | S | Moderate |
| T145 | T | Oak | 12 | D | Lifting bark. | In woodland strip between local road and pasture field. Nearby hedgerows, woodland and other pasture fields. | TQ5627704633 | 48 | S | Moderate |
| T146 | T | Oak | 15 | | Large hole 3m SW. Partially dead, possibly hollow. | In woodland between railway line and A27. Nearby pasture fields, arable fields and hedgerows. | TQ5632504794 | 63 | N | Moderate |
| T147 | T | Black poplar | 12 | M | Knot hole 1m E and tear out 1m N that lead to cavity (going down but entire tree may be hollow). Crevices possible within inside of tree. | In woodland between pasture field, A27 and local road. Nearby hedgerows, pasture fields and other woodland. | TQ5672204705 | 66 | S | Moderate |

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| T148 | T | Beech | 12 | | Large hole | In woodland between railway line and A27. Nearby pasture fields, arable fields and hedgerows. | TQ5673404805 | 18 | N | Moderate |
| T149 | T | Oak | 10 | | Woodpecker holes on dead branch 6m N. | In woodland between railway line and grassland. Nearby bridge, woodland and hedgerows. | TQ5674204844 | 57 | N | Moderate |
| T150 | T | Ash | 15 | M | Knot hole with visible cavity behind going up 2m N stem. | In woodland between pasture field, A27 and local road. Nearby hedgerows, pasture fields and other woodland. | TQ5676104707 | 65 | S | Moderate |
| T151 | T | Ash | 15 | M | Woodpecker nesting hole 6m SW main stem. | In woodland between pasture field, A27 and local road. Nearby hedgerows, pasture fields and other woodland. | TQ5677604760 | 11 | S | High |
| T152 | T | Beech | 15 | M | Three old bark splits leading to cavities on stem at multiple heights and aspects. | In woodland between pasture field, A27 and local road. Nearby hedgerows, pasture fields and other woodland. | TQ5678704748 | 24 | S | High |
| T153 | T | Beech | 18 | M | Large tear out (3m long) healed in places to create 3 entrances to hollow stem which may have several crevices and cavities. 3-6m SE stem. | In woodland between pasture field, A27 and local road. Nearby hedgerows, pasture fields and other woodland. | TQ5681804772 | 0 | S | Moderate |
| T154 | T | Oak | 10 | | Old partially dead, one hole 3m NE. | In woodland between railway line and grassland. Nearby bridge, woodland and hedgerows. | TQ5686004840 | 55 | N | Moderate |
| T155 | T | Horse Chestnut | 20 | | Several small holes on multi stems. | In woodland between railway line and grassland. Nearby bridge, woodland and hedgerows. | TQ5687804854 | 69 | N | Moderate |
| T156 | T | Birch | 10 | M | Holes, cracks 3-8m N. Tree mature for species. | In woodland between railway line and grassland. Nearby bridge, woodland and hedgerows. | TQ5694004833 | 49 | N | Moderate |
| T157 | T | Oak | 15 | M | Tear out 4m S on underside of major limb. Dead limb with peeling bark with several crevices 4-5m S major limb. | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5711504758 | 14 | S | Moderate |
| T158 | T | Beech | 15 | M | Tear out 3m long from ground level E stem. Cavity above feature. | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5715704764 | 8 | S | High |
| T159 | T | Hornbeam | 8 | M | Tear out 2m long exposed at top but crevices possible. 2-4m main stem. Dead tree laying on limb. | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5718504769 | 2 | S | Moderate |
| T160 | T | Dead tree | 5 | M | Woodpecker nesting hole 4-5m E main stem. | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5727204764 | 8 | S | High |
| T161 | T | Beech | 12 | M | Three knot holes- two on main limb 2m and 4m E (entrance >20cm wide), one on major limb 2m E. Cavities possible behind all holes. | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5732904768 | 3 | S | High |
| T162 | T | Beech | 10 | SM | Tear out 4-5m E main stem. Full inspection not possible due to dense scrub. | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5733304758 | 13 | S | Moderate |
| T163 | T | Beech | 12 | M | Knot hole 7-8m E major limb. Possible cavity within limb. | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5735104772 | 0 | S | Moderate |
| T164 | T | Beech | 18 | M | Multi-stem tree. Tear out with potential cavity 6m SE main stem. | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5737104766 | 4 | S | Moderate |
| T165 | T | Beech | 8 | SM | Dead minor limb with multiple woodpecker feeding holes and rot holes 5-8m . | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5737704774 | 0 | S | Moderate |
| T166 | T | Beech | 18 | M | Twin stem. Tear out with potential cavity 9-10m S main stem. Dead minor limb with hole at base, potential cavity going up length of limb. | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5739304767 | 2 | S | Moderate |
| T167 | T | Beech | 18 | M | Multi-stem tree. Tear out with potential cavity going up 5m SW stem. | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5739404761 | 8 | S | Moderate |
| T168 | T | Beech | 15 | M | Tear out 2m E stem. Potential cavity within stem. | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5739904768 | 0 | S | Moderate |
| T169 | T | Beech | 12 | M | Multi-stem tree. Tear out with potential cavity going up 4m N main stem. | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5740404760 | 7 | S | Moderate |

| | | | | | | | | | | |
|------|---|-------------|----|----|---|--|--------------|---|---|----------|
| T170 | T | Beech | 8 | SM | Two knot holes 1.5m NW, 2m SE stem. Features filled with cobwebs and fungus at time of survey. | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5741004771 | 0 | S | Low |
| T171 | T | Beech | 12 | M | Knot hole 2m N main limb, no cobwebs over entrance. | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5741204761 | 6 | S | Moderate |
| T172 | T | Beech | 15 | M | Rotted knot hole 3m S main trunk. | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5741704773 | 0 | S | Low |
| T173 | T | Beech | 15 | M | Tear out N minor limb, features facing up but potential cavity within length of limb. | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5742504773 | 0 | S | Low |
| T174 | T | Beech | 12 | M | Tear out in trunk with internal cavity going up 1.5m N. | In woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5751404770 | 0 | S | Moderate |
| T175 | T | Beech | 15 | M | Tear out 4m S major limb. | In woodland strip between A27 and residential houses. Nearby woodland and hedgerows. | TQ5755704760 | 0 | S | Low |
| T176 | T | Beech | 15 | SM | Knot hole 4-5m W major limb. Internal cavity possible. | In woodland strip between A27 and residential houses. Nearby woodland and hedgerows. | TQ5756704747 | 3 | S | Moderate |
| T177 | T | Beech | 4 | M | Tear out with cavity above going up N trunk. | In woodland strip between A27 and residential houses. Nearby woodland and hedgerows. | TQ5758404741 | 5 | S | High |
| T178 | T | Beech | 15 | M | Two tear outs - 6m S minor limb and 1m long 4-5m SE minor limb. Union of minor limbs 2m S. | In woodland strip between A27 and residential houses. Nearby woodland and hedgerows. | TQ5758904747 | 0 | S | Low |
| T179 | T | Beech | 15 | M | Tear out with internal cavity going up main stem 2m S. Rotted minor limb with multiple woodpecker feeding holes. | In woodland strip between A27 and residential houses. Nearby woodland and hedgerows. | TQ5761804739 | 0 | S | Moderate |
| T180 | T | Beech | 15 | M | Multiple tear outs on minor limbs 4m E, 4m W and 4.5m E and 4m S. | In woodland strip between A27 and residential houses. Nearby woodland and hedgerows. | TQ5763704737 | 0 | S | Low |
| T181 | T | Beech | 8 | M | Tear out 1m long 5-6m N main limb. Possible internal cavity going up limb. | In woodland strip between A27 and residential houses. Nearby woodland and hedgerows. | TQ5764704730 | 0 | S | Moderate |
| T182 | T | Dead | 6 | D | Fissures in bark 3m W, multiple shattered major branches. Full inspection not possible due to access. | Edge of woodland/scrub adjacent to Honey Pot Depot. Nearby pasture fields, hedgerows and ponds. | TQ5764705102 | 8 | W | Moderate |
| T183 | T | Dead | 6 | D | Twin stem with peeling bark on N stem 1m W, S stem has multiple shattered limbs. Dense ivy on S stem may also obscure potential features. Tree of size and nature possibly supporting other features. Full inspection not possible due to access. | Edge of woodland/scrub adjacent to Honey Pot Depot. Nearby pasture fields, hedgerows and ponds. | TQ5765305119 | 6 | W | Moderate |
| T184 | T | Conifer sp. | 12 | M | Dense ivy cover on stem may obscure potential features. Trees of size and nature that possibly support other features. | In woodland strip between A27 and residential houses. Nearby woodland and hedgerows. | TQ5767104722 | 2 | S | Low |
| T185 | T | Willow sp. | 10 | M | Shattered limb 1.5m W. | In woodland between A27 and arable field. Nearby woodland, hedgerows and ponds. | TQ5770805174 | 7 | W | Low |
| T186 | T | Oak | 10 | M | Frost crack through concave side of minor limb 4m N. | In woodland between A27 and arable field. Nearby woodland, pasture fields, hedgerows and ponds. | TQ5771905333 | 0 | W | Low |
| T187 | T | Oak | 10 | M | Decayed limb with hole leading to another hollow limb 2m S. Active wasps nest present at time of survey. Peeling bark on multiple major limbs W. | In woodland between A27 and arable field. Nearby woodland, pasture fields, hedgerows and ponds. | TQ5773105331 | 0 | W | High |

| | | | | | | | | | | |
|-----|---|--|--------|----|---|---|--------------|----|---|----------|
| G1 | G | Oak/Ash Canopy | <Null> | M | Mature woodland with an average 15-18m canopy height. Large trees with dense ivy cover, minor dead limbs, peeled bark on minor limbs. Full inspection not possible due to poor visibility due to height of trees. | Adjacent to A27 , pasture field, arable field and local road. Stream on E edge. | TQ4934707451 | 28 | S | Moderate |
| G2 | G | Willow sp. & Elm | 10 | M | 4 x Willow sp., 1 x Elm - Visible PRFs but needs closer inspection. Full inspection not possible due to access. | In dense scrub adjacent to pasture field and woodland strip. Nearby hedgerows. | TQ5040806939 | 40 | N | Moderate |
| G3 | G | Blackthorn | 5 | M | Several knot holes leading to cavities 0.5 - 1m. | In hedgerow between pasture fields. Nearby woodland. | TQ5054606789 | 26 | N | Low |
| G4 | G | Black poplar | 10 | M | 2 X B. poplar - Dense ivy cover on stem and major limbs which given the height and age of the tree may obscure potential features of interest. | In woodland strip adjacent to residential property and pasture field. Nearby A27, arable field and hedgerows. | TQ5067206633 | 12 | S | Low |
| G5 | G | Crack Willow | 12 | OM | 2 x C. willow - multiple woodpecker nesting holes, tear outs, peeling bark, split limbs and butt rot at several heights on all aspects. | In pasture field. Nearby hedgerows and arable field. | TQ5070906136 | 97 | S | High |
| G6 | G | Ash & Willow | 12 | M | 1 x Willow sp. - Peeling bark on stem, hazard beam 3m E. 1 x Ash - Frost crack on stem 1m long 2-3m E. | Edge of woodland between two roads, adjacent pasture field. Nearby hedgerows. | TQ5233505416 | 15 | N | Low |
| G7 | G | Ash | 5 | SM | 6 x Ash - trees are dead and trunks covered in ivy which may obscure potential features. | Edge of woodland between two roads, adjacent pasture field. Nearby hedgerows. | TQ5234705405 | 12 | N | Low |
| G8 | G | Apple | 3 | M | 2 x Apple - knot holes in major limbs and stem leading to hollow stem/limb with potential cavities going up, cobwebs currently over entrances 1m N and E. | In business gardens. Nearby barns, amenity grassland and hedgerows. | TQ5248205137 | 58 | S | Low |
| G9 | G | Ash & field maple | 4 | M | 1 x Ash - Three 1m long frost cracks on stem leading to potential cavities S and rot. 1 x F. Maple - Frost crack 1m S. | In hedgerow between pasture fields. Nearby other hedgerows and other pasture fields. | TQ5447404887 | 3 | S | Moderate |
| G10 | G | Ash, Sycamore & Fir | 8 | SM | 10 x Ash, 1 x Sycamore, 2 x Fir - majority of stems and limbs covered in ivy which may obscure potential features. | In woodland adjacent to local road and hotel gardens. Nearby pond, hedgerows and A27. | TQ5475604904 | 17 | N | Low |
| G12 | G | Ash | 5 | M | 2 x Ash - Tree 1 - two woodpecker nesting holes 3-4m N & W stem. Tree 2 - Tear out with potential cavity W, woodpecker nesting hole 4m E stem. | Within hedgerow adjacent to A27 and pasture field. Nearby other hedgerows and pasture fields. | TQ5492704825 | 0 | S | High |
| G11 | G | Ash | <Null> | M | 6 x ash. Dense ivy cover on main stem of 3 trees may obscure potential features. Trees of size and nature that possibly support other features. Full inspection of S & W aspects not possible due to access. | In hedgerow between pasture fields and residential garden. Nearby other hedgerows and pasture fields. | TQ5492704876 | 37 | N | Moderate |
| G13 | G | Oak | 15 | M | 4 x Q.robur. No distinct features but all mature. | In woodland between A27 and semi-improved field. Nearby pond, hedgerows, bridge and railway line. | TQ5612804742 | 17 | N | Low |
| G14 | G | Oak, Hornbeam, Beech, Ash and Horse Chestnut | 15 | M | A single feature on several trees including knot holes, expansion splits, peeling bark and impact-shattered minor limbs. | Woodland between pasture field, A27 and local road. Nearby hedgerows, pasture fields and other woodland. | TQ5676804733 | 39 | S | Low |
| G15 | G | Field Maple | 8 | | 2 x F.maple - both with large low crack leading to hollow E. | In hedgerow between pasture fields. Nearby railway line, other hedgerows and woodland. | TQ5714304846 | 63 | N | Moderate |
| G16 | G | Wood | 15 | M | Woodland dominated by mature beech with a 15-18m canopy height. Lots of trees with dense ivy cover which given the height and age of the trees may obscure potential features of interest. | Woodland strip between A27 and residential houses. Nearby pasture fields, hedgerows and woodland. | TQ5729804770 | 1 | S | Low |
| G17 | G | Field maple | 8 | SM | 2 X F.maple - Knot holes and peeling bark limbs E. | Within woodland strip, adjacent to road and arable field, connected to wider landscape by tree line. | TQ5771005228 | 4 | W | Low |

Appendix B

TREE PHOTOS

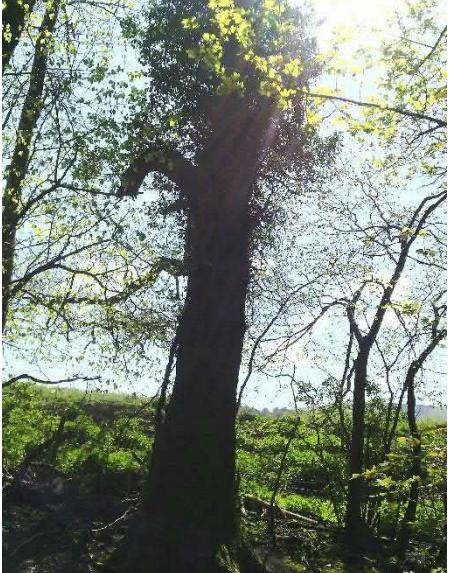
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T1 | Low |  |
| T2 | Low |  |
| T3 | Low |  |

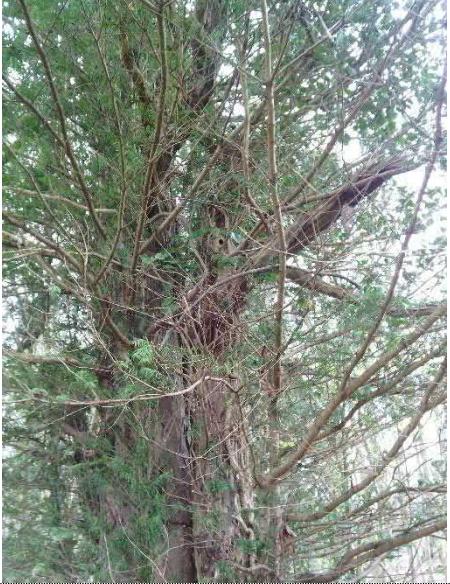
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T4 | Low |  |
| T5 | Moderate |  |

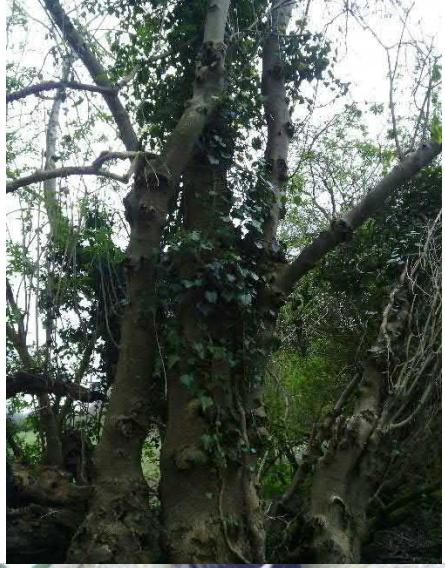
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T6 | Low |  |
| T7 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T8 | Moderate |  |
| T9 | Low |  |
| T10 | Low |  |

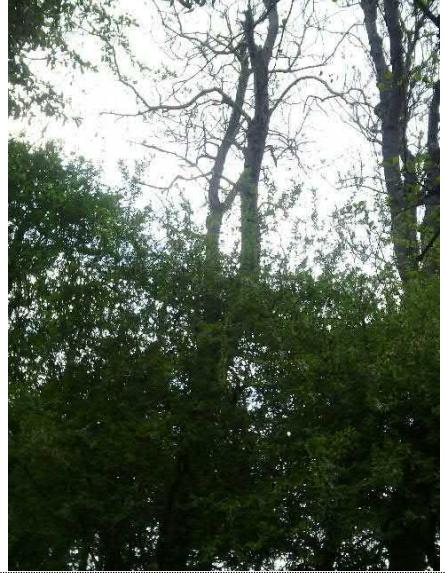
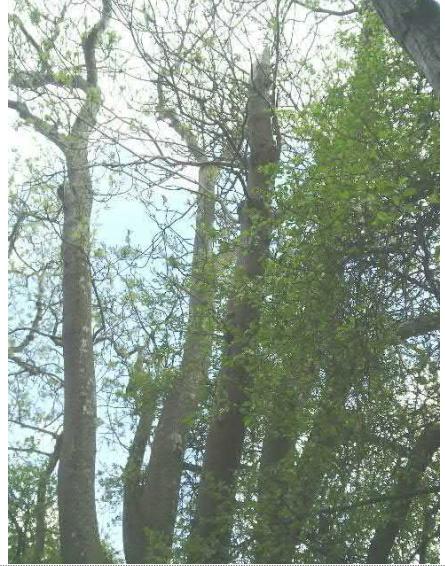
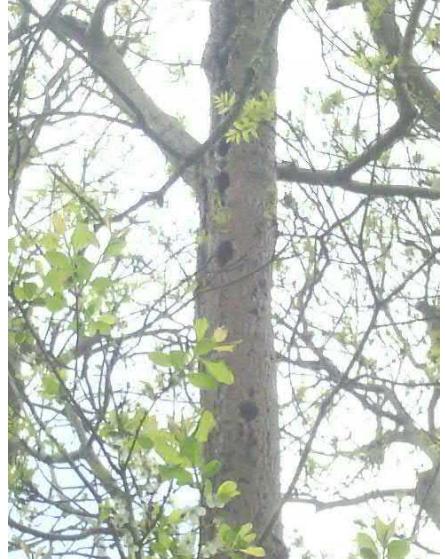
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T11 | Moderate |  |
| T12 | High |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T13 | Moderate |  |
| T14 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T15 | Moderate |  |
| T16 | Moderate |  |
| T17 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T18 | Low |  |
| T19 | Moderate |  |
| T20 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T21 | Moderate |  |
| T22 | Moderate |  |
| T23 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T24 | Moderate |  |
| T25 | Moderate |  |
| T26 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T27 | Low |  |
| T28 | Moderate |  |
| T29 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T30 | Moderate |  |
| T31 | Low |  |
| T32 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T33 | Low |  |
| T34 | Low |  |
| T35 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T36 | Moderate |  |
| T37 | Low | No photo available |
| T38 | Moderate | No photo available |
| T39 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T40 | Moderate |  |
| T41 | Low | No photo available |
| T42 | Moderate |  |
| T43 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T44 | Low |  |
| T45 | Moderate | No photo available |
| T46 | Low |  |
| T47 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T48 | Low |  |
| T49 | Low |  |
| T50 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T51 | Moderate |  |
| T52 | Moderate |  |
| T53 | Moderate | No photo available |
| T54 | Moderate |  |

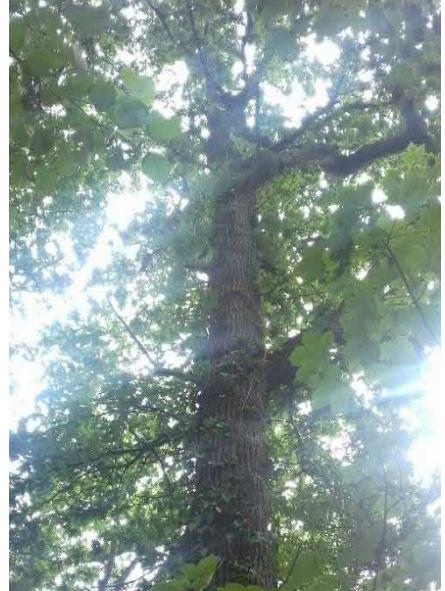
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|-------------------|------------------------------|--|
| T55 | Moderate |  |
| T56 | Moderate |  |
| T57 | Moderate |  |
| T58 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T59 | High |  |
| T60 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T61 | Moderate |  |
| T62 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T63 | High |  |
| T64 | Moderate |  |
| T65 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T66 | High |  |
| T67 | Moderate |  |
| T68 | Moderate |  |

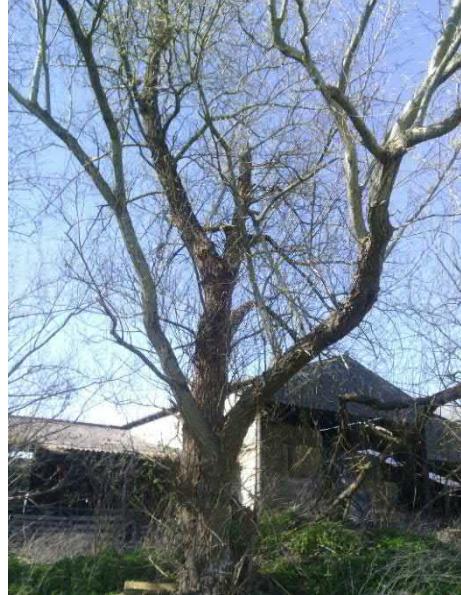
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T69 | Low |  |
| T70 | Low |  |
| T71 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T72 | Low |  |
| T73 | Moderate |  |
| T74 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T75 | Moderate |  |
| T76 | Moderate |  |
| T77 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T78 | High |  |
| T79 | Low |  |
| T80 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T81 | Low |  |
| T82 | Low |  |

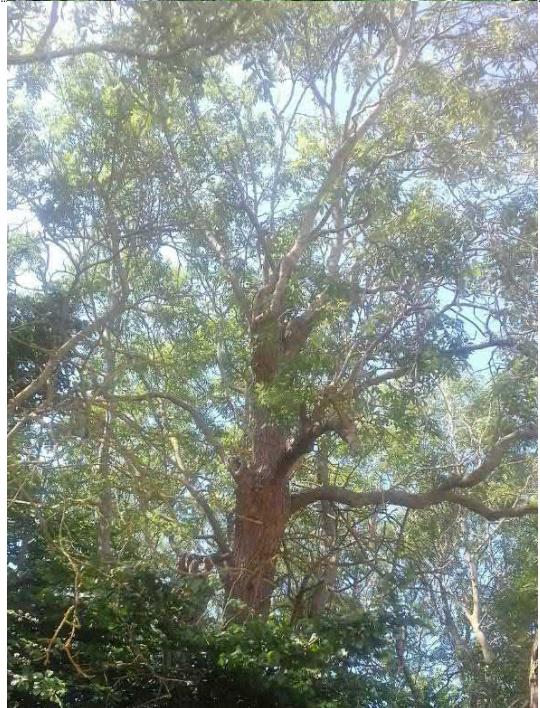
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T83 | Low |  |
| T84 | Low |  |
| T85 | Moderate | Not photo available |

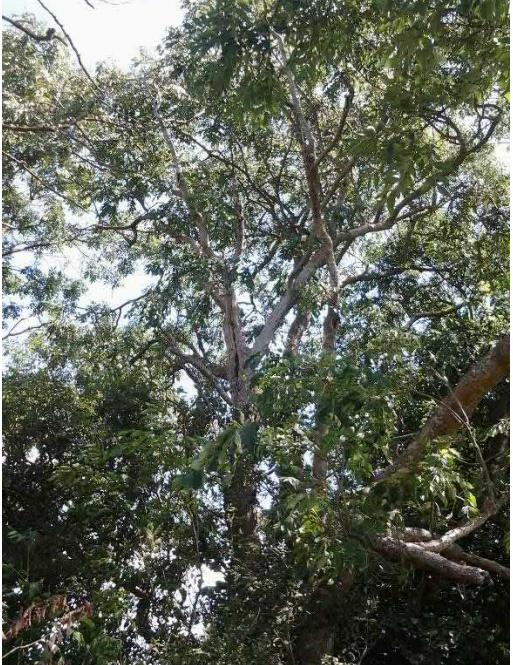
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T86 | Moderate |  |
| T87 | Low |  |
| T88 | Low |  |
| T89 | Low | No photo available |

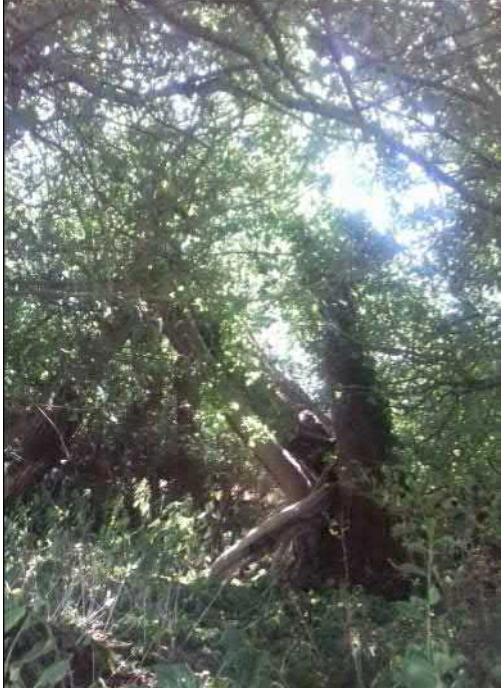
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|-------------------|------------------------------|--|
| T90 | Low |  |
| T91 | Low |  |
| T92 | Moderate |  |
| T93 | Moderate |  |
| T94 | Low |  |

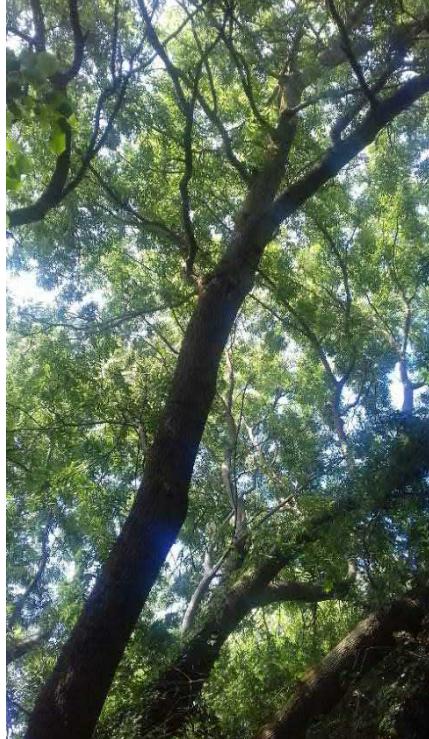
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T95 | Moderate |  |
| T96 | Moderate |  |
| T97 | Low |  |

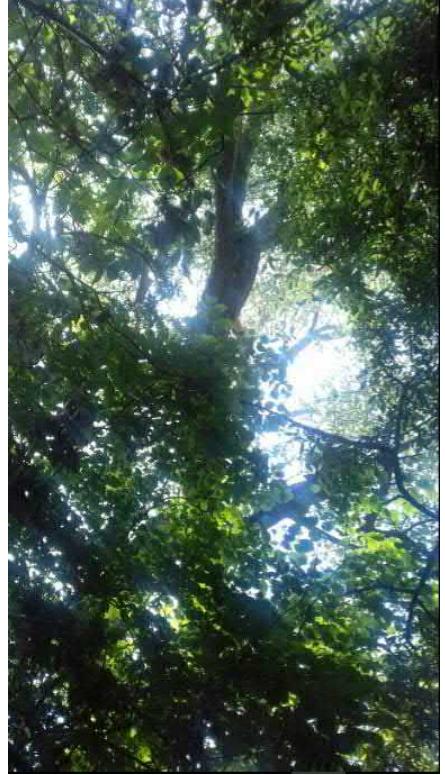
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T98 | Low |  |
| T99 | Moderate |  |
| T100 | Low |  |
| T101 | Moderate |  |

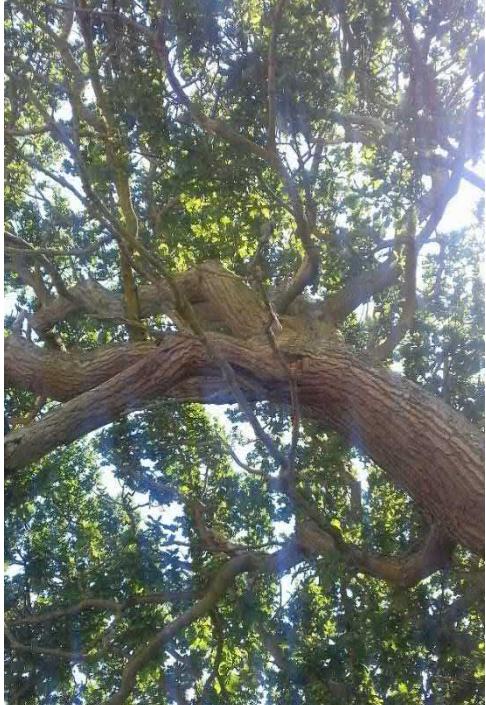
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T102 | Moderate |  |
| T103 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T104 | Low |  |
| T105 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T106 | Moderate |  |
| T107 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T108 | Low |  |
| T109 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T110 | Moderate |  |
| T111 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T112 | Low |  |
| T113 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T114 | Moderate |  |
| T115 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T116 | Moderate |  |
| T117 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T118 | Moderate |  |
| T119 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T120 | Moderate |  |
| T121 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T122 | Low |  |
| T123 | Moderate |  |
| T124 | Low |  |

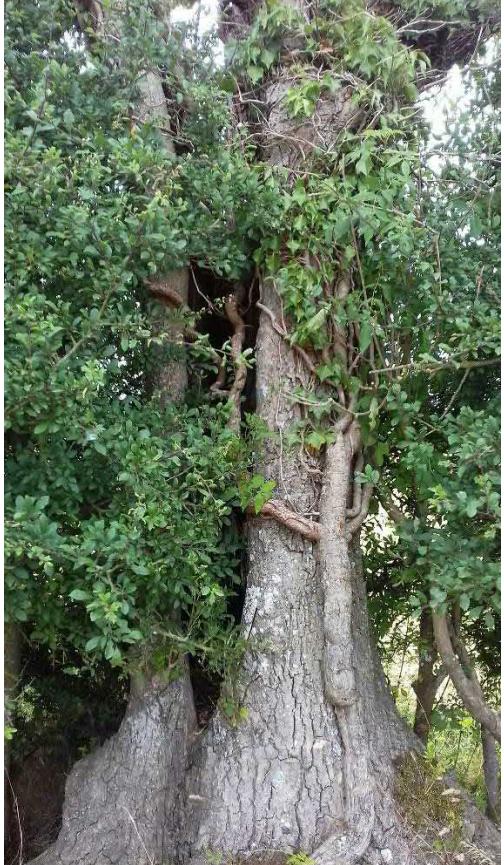
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T125 | Low |  |
| T126 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T127 | Moderate |  |
| T128 | Low |  |

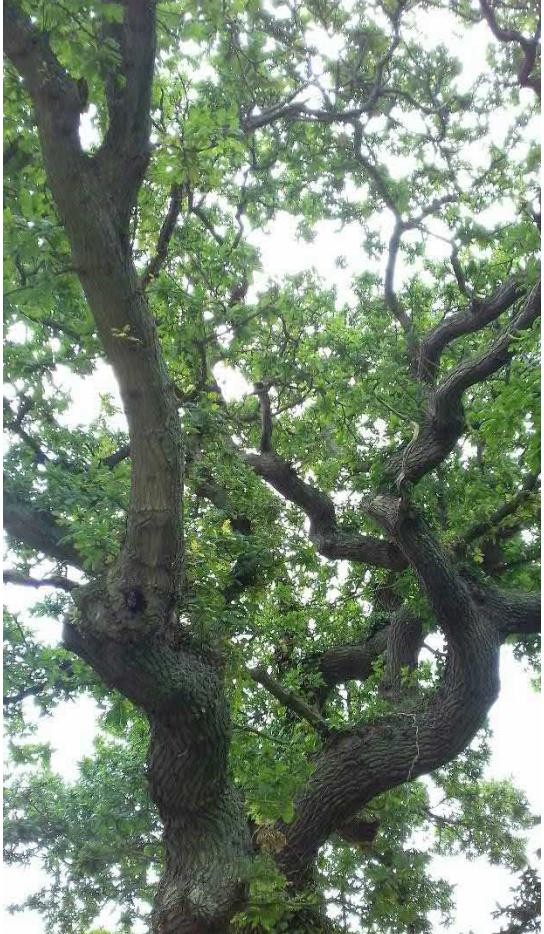
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T129 | Moderate |  |
| T130 | High |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T131 | Low |  |
| T132 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T133 | Low |  |
| T134 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T135 | Moderate |  |
| T136 | Moderate | No photo available |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T137 | Moderate |  |

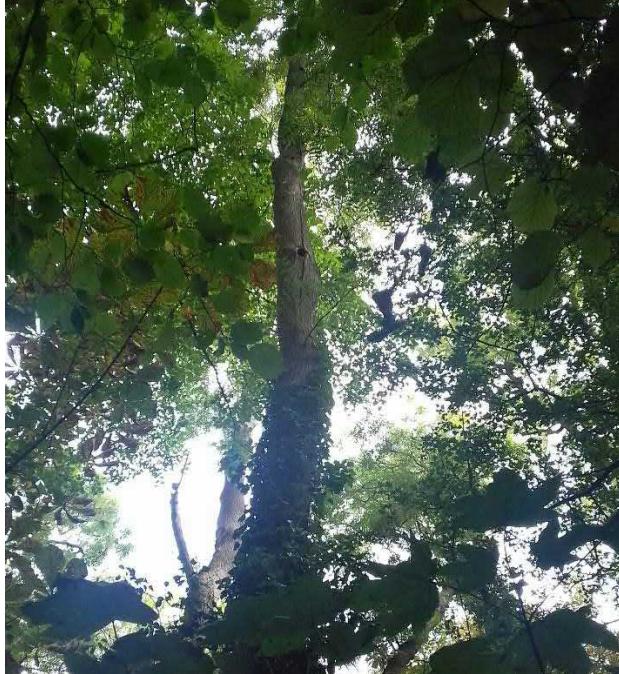
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T138 | Moderate |  |
| T139 | Low | No photo available |
| T140 | Low | No photo available |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T141 | Moderate |  |
| T142 | Low | No photo available |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T143 | Moderate |  |
| T144 | Moderate |  |

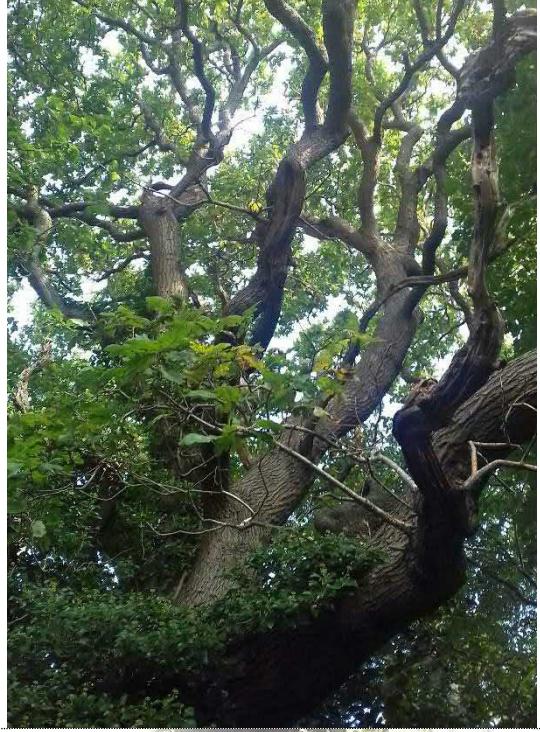
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T145 | Moderate |  |
| T146 | Moderate | No photo available |

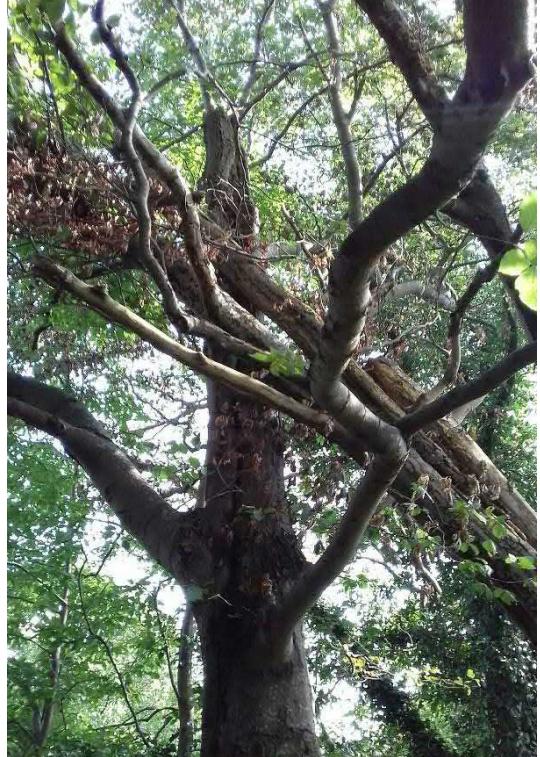
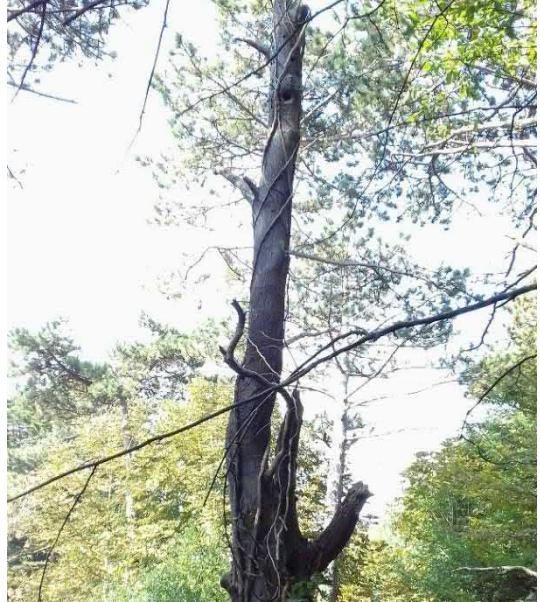
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T147 | Moderate |  |
| T148 | Moderate | No photo available |
| T149 | Moderate | No photo available |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T150 | Moderate |  |
| T151 | High |  |

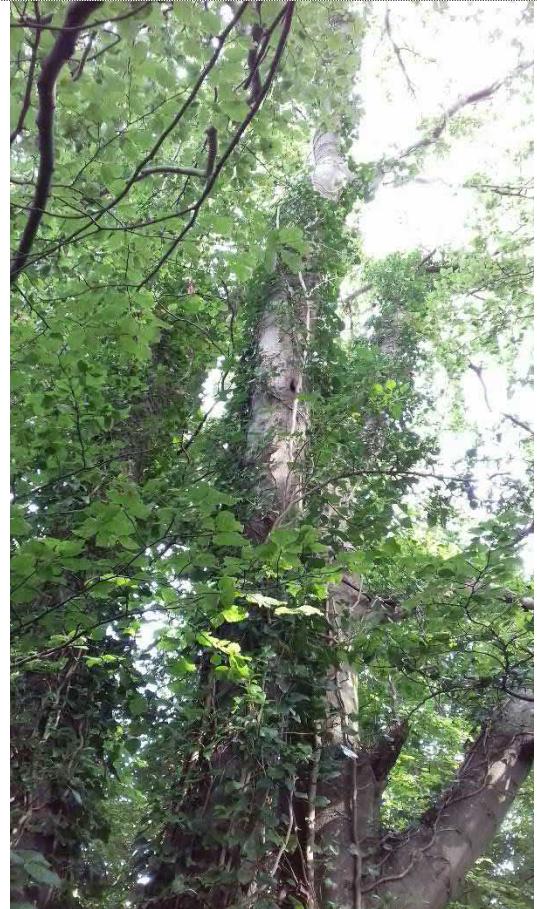
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T152 | High |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T153 | Moderate |  |
| T154 | Moderate | No photo available |
| T155 | Moderate | No photo available |
| T156 | Moderate | No photo available |

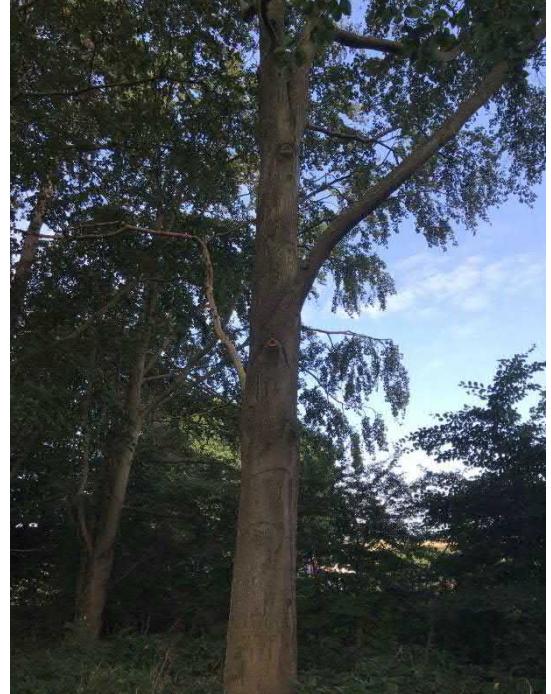
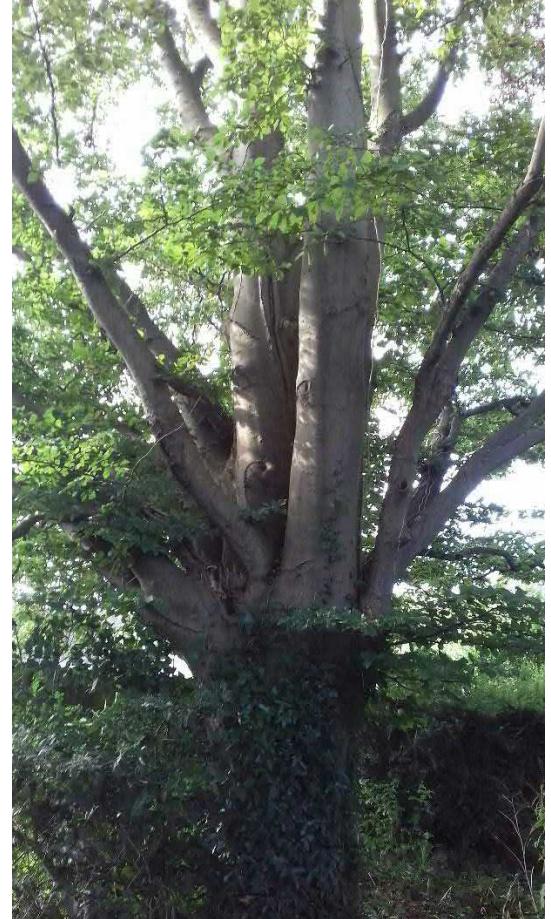
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T157 | Moderate |  |
| T158 | High |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T159 | Moderate |  |
| T160 | High |  |

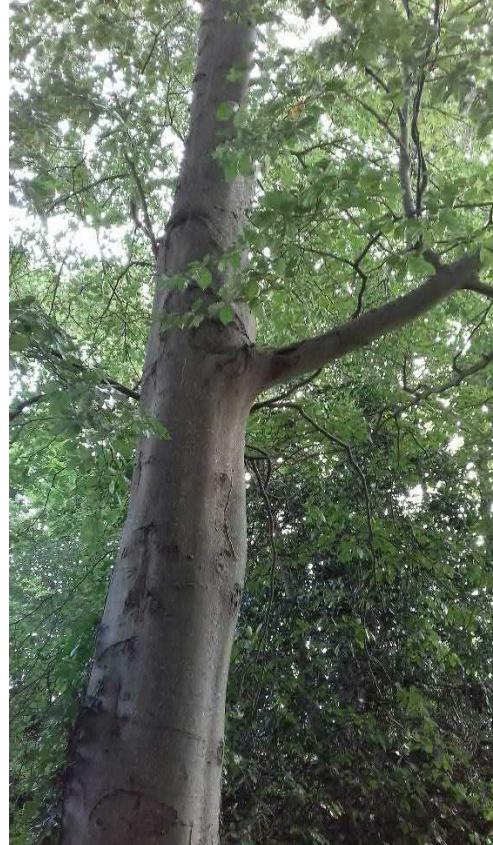
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T161 | High |  |
| T162 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T163 | Moderate |  |
| T164 | Moderate |  |

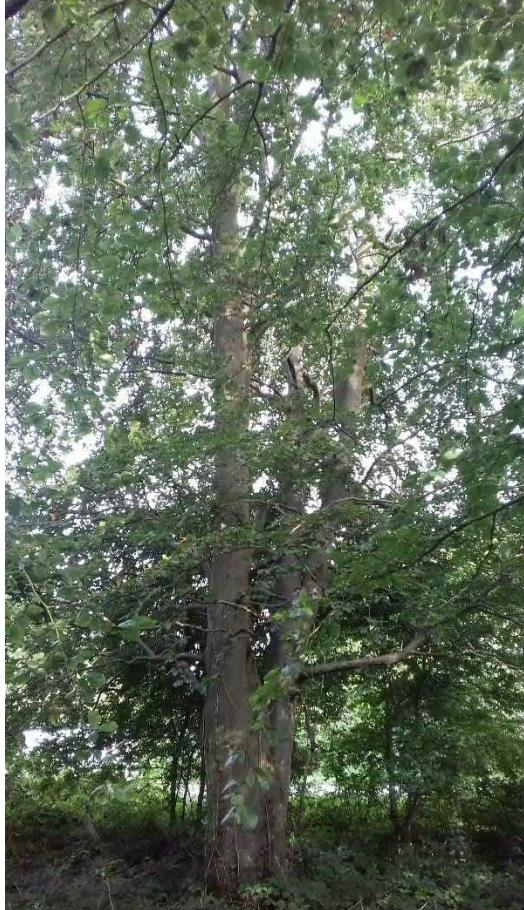
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T165 | Moderate |  |
| T167 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T168 | Moderate |  |
| T169 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T170 | Moderate |  |
| T171 | Low |  |

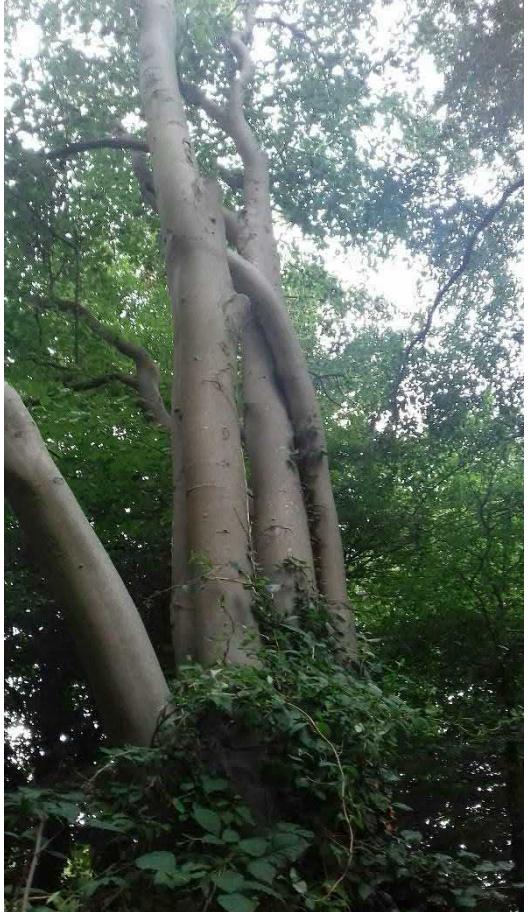
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T172 | Moderate |  |
| T173 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T174 | Low |  |

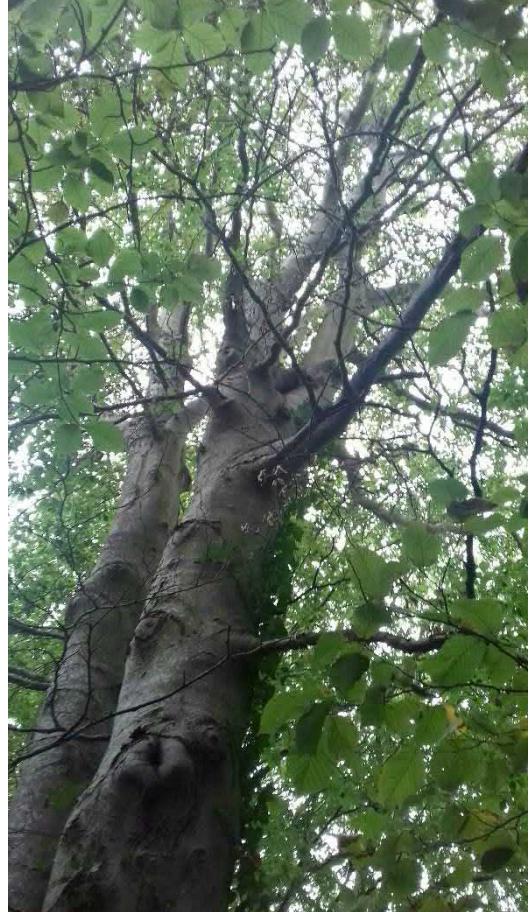
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T175 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T176 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T177 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T178 | High |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T179 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T180 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T181 | Low |  |

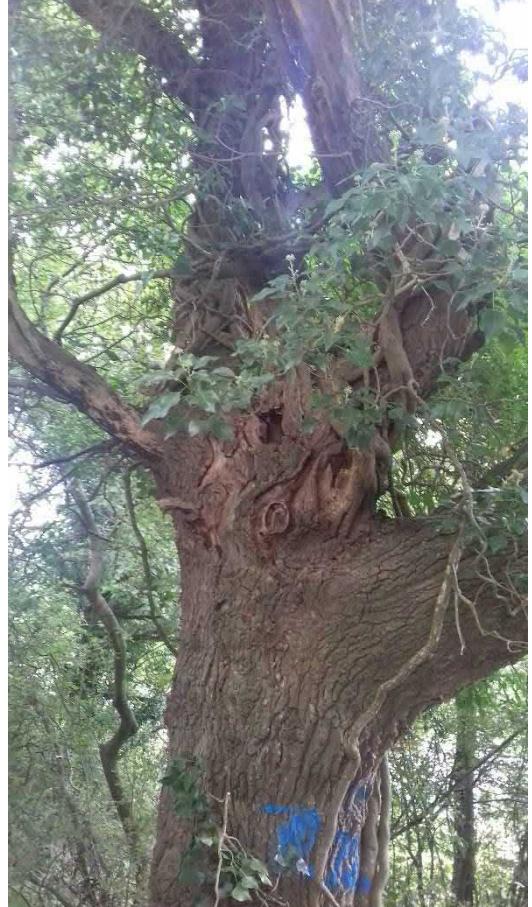
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T182 | Moderate |  |

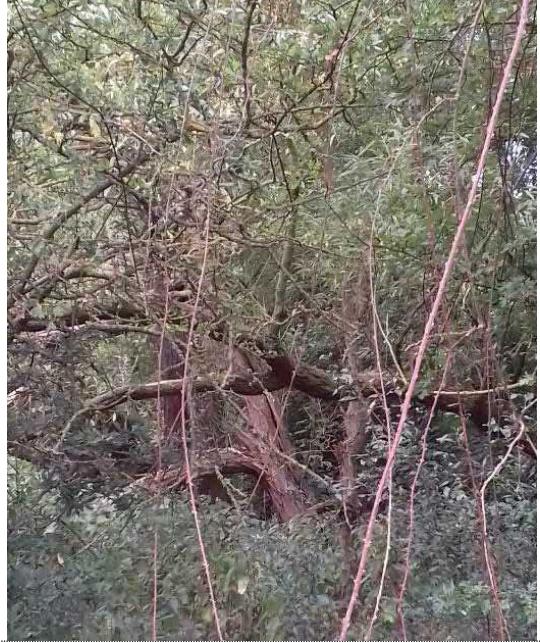
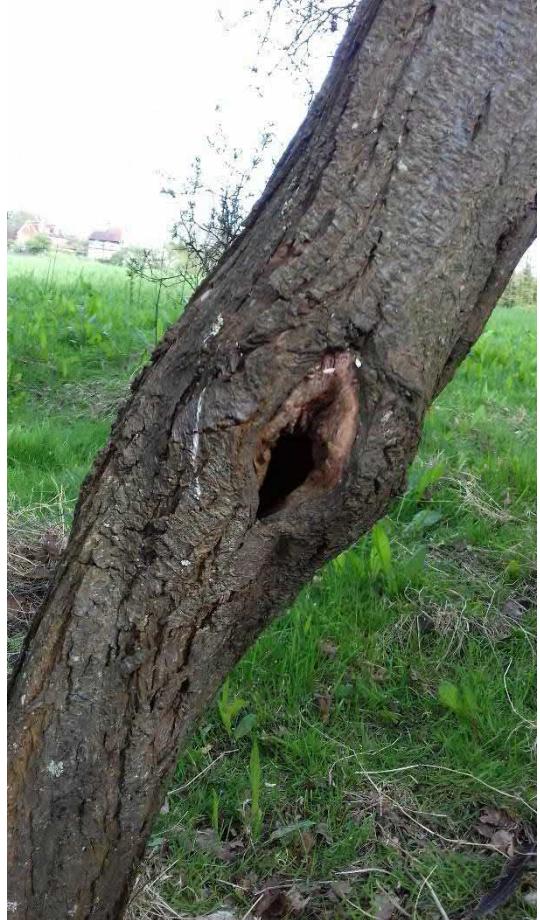
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T183 | Moderate |  |

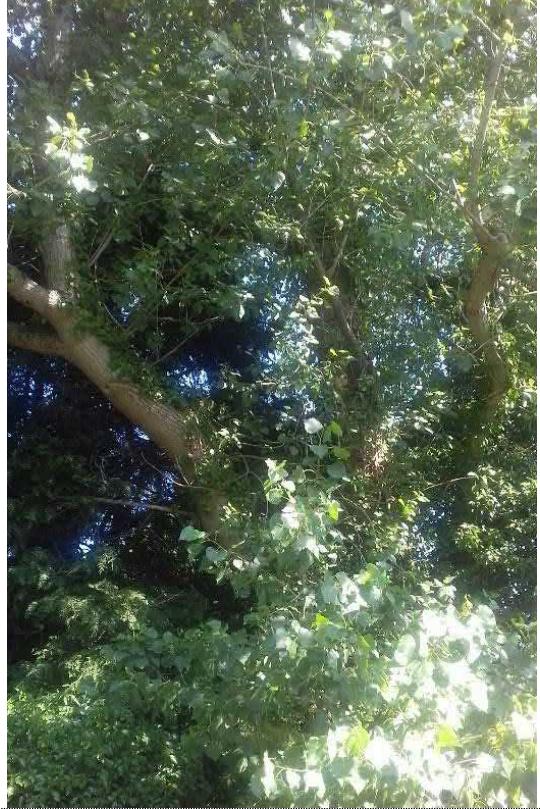
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T184 | Moderate |  A photograph showing a large tree trunk on the right, leaning slightly, with a dense canopy of green leaves and branches extending upwards and to the left. The trunk is rough and textured. The background is a bright, overexposed sky. |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T185 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| T186 | Low |  |

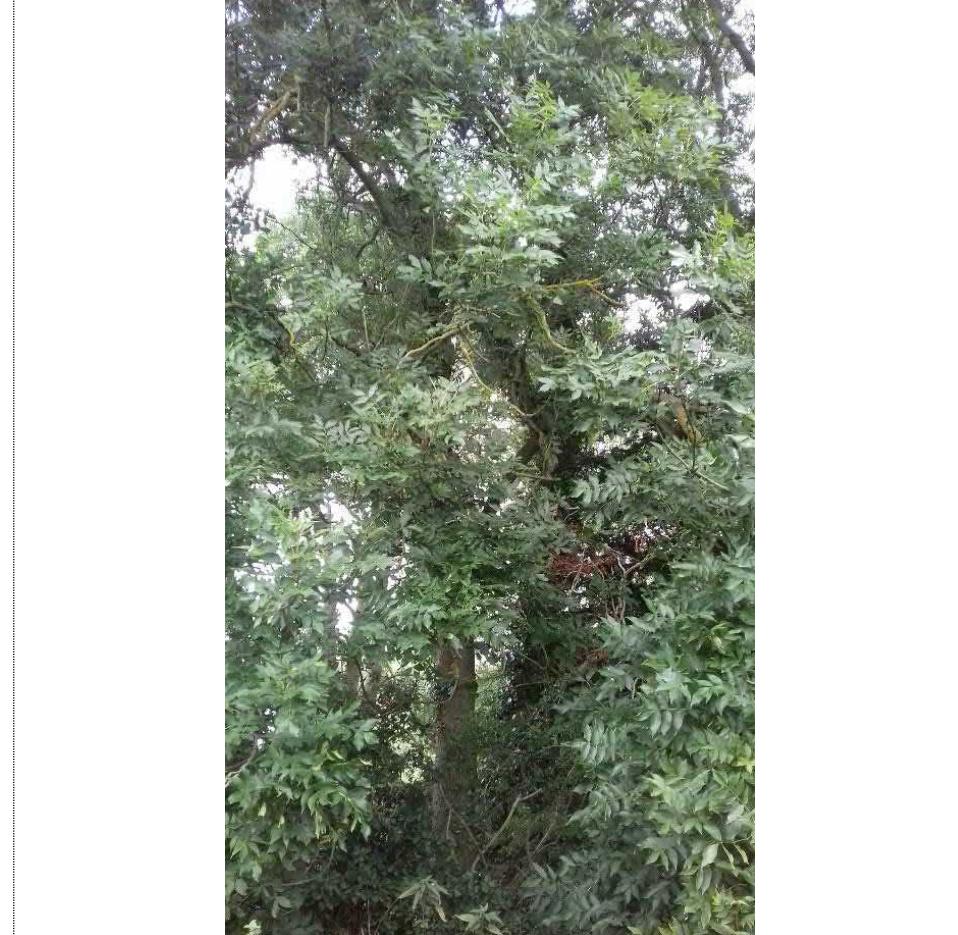
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| T187 | Low |  |
| G1 | High |  |

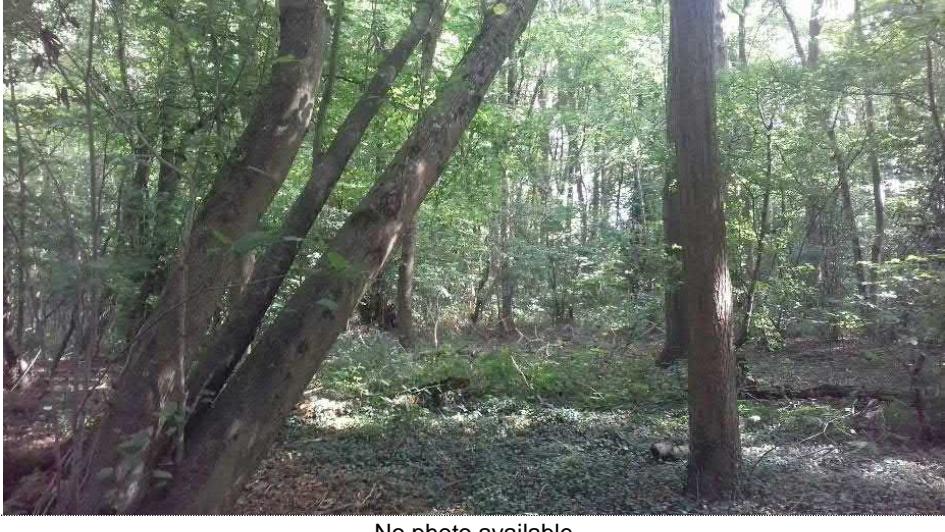
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| G2 | Moderate |  |
| G3 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| G4 | Low |  |
| G5 | Low |  |

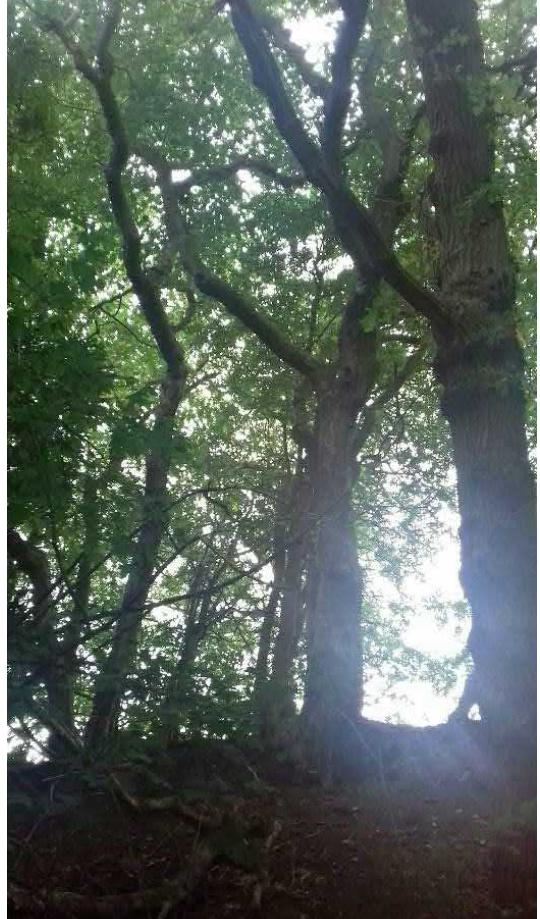
| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| G6 | High |  |
| G7 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| G8 | Low |  |
| G9 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| G10 | Moderate |  |
| G11 | Low |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|--|
| G12 | High |  |
| G13 | Moderate | No photo available |
| G14 | Low |  |
| G15 | Low | No photo available |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| G16 | Moderate |  |

| TREE/GROUP NUMBER | OVERALL SUITABILITY CATEGORY | PHOTOGRAPHS |
|-------------------|------------------------------|---|
| G17 | Low |  |

Appendix C

BUILDINGS AND STRUCTURES PBRA RAW DATA

| Identification number | Structure type | Approx. Height (m) | Description of features with potential to support bats | Brief description of surrounding habitats | Grid reference | Distance from scheme extent (m) | Orientation to A27 | Overall Suitability Category |
|-----------------------|----------------|--------------------|---|---|----------------|---------------------------------|--------------------|------------------------------|
| | | | | | | | | |
| B1 | Building | 4 | Loose roof tiles, gaps under guttering where gutter has dropped S aspect. Gaps through eves, vent tiles along roof ridge. Building with internal roof lining. | Adjacent to A27 and car park, next to farm with barns, nearby ponds and hedgerows. | TQ4886007801 | 29 | N | High |
| B2 | Building | 4 | Loose tiles, gaps at E and W ends. | Adjacent to car park, next to farm with barns, nearby ponds and hedgerows. | TQ4888507811 | 51 | N | Moderate |
| B3 | Building | 6 | Loose roof tiles. Lots of nesting sparrows potential cavities in roof space. Full inspection not possible, E aspect not observed. | Adjacent to A27, barns and garden. Nearby farm, ponds and hedgerows. | TQ4889607793 | 41 | N | High |
| B4 | Building | 4 | Gaps under roof tiles W, wooden cladding boards cracked W. Gaps in eves leading to roof, internal roof space. Full inspection not possible, E aspect not observed. | Adjacent to pond, next to farm with barns, nearby ponds and hedgerows. | TQ4891407814 | 69 | N | High |
| B5 | Building | 4 | Broken wooden cladding W and crevices between cladding boards E. Broken tiles with crevices underneath. Rotten midbeam S. Hole in roof E. Dense ivy cover S. | Adjacent to A27, farm and pasture field. Nearby hedgerows, arable fields and woodland. | TQ4974107325 | 29 | N | High |
| B6 | Building | 3 | Cracked and derelict building with no roof, loose mortar and vegetation growth. | Within woodland/dense scrub, adjacent to A27 and pasture field. Nearby hedgerows, pasture fields and arable fields. | TQ5044406932 | 62 | N | Low |
| B7 | Building | 3 | Old garage/shed with slate roof and wooden roof timbers. Several missing roof tiles S, ivy. Full inspection not possible, N aspect not observed. | Within residential garden, adjacent to improved grassland field. Nearby hedgerows and pasture fields. | TQ5063406614 | 55 | S | High |
| B8 | Building | 4 | Loose roof tiles and gaps under roof. Full inspection not possible, E and S aspect not observed. | Adjacent to A27 and improved grassland field. Nearby hedgerows and pasture fields. | TQ5064006688 | 0 | S | Moderate |
| B9 | Building | 5 | Open sided N with wooden timbers, no roof lining. Attached second room closed off with door ajar. | Adjacent to pasture fields and hedgerows. Nearby woodland and ponds. | TQ5108806041 | 94 | N | Low |
| B10 | Building | 5 | Gaps and crevices under roof tiles with resident describing a large void behind W aspect of roof in undisturbed part of the loft. Loose tiles E and N, broken tiles around chimney and window N. Ivy covered wall and gutter E. | Adjacent to arable field and pasture field. Nearby pond, hedgerows and woodland. | TQ5224905491 | 70 | N/W | High |
| B11 | Building | 3 | Loose roof tiles E aspect | Adjacent to residential house, arable field and pasture field. Nearby pond, hedgerows and woodland. | TQ5226605487 | 52 | N/W | Low |
| B12 | Building | 4 | Multiple loose roof tiles on S single storey annex. Gaps under eves E aspect, gaps behind wooden cladding E. Gap between brickwork 5cm x 10cm E aspect. | Adjacent to car park and garden. Nearby barns, amenity grassland and hedgerows. | TQ5244005153 | 21 | S | Moderate |
| B13 | Building | 3.5 | Loose roof tiles with gaps underneath S. | Adjacent to car park and garden. Nearby barns, amenity grassland and hedgerows. | TQ5247805133 | 61 | S | Low |
| B14 | Building | 8 | Loose roof tiles E & W aspect, gaps under soffit W, mesh under eves coming away E, wooden cladding coming away SE corner. | Adjacent to car park and garden. Nearby barns, amenity grassland and hedgerows. | TQ5250805146 | 44 | S | Moderate |
| B15 | Building | 3 | Undisturbed building with vertical slit open window W and open window SE. Loose and missing roof tiles N. | Within pasture field adjacent to river Cuckmere. Nearby hedgerows and arable fields. | TQ5324205094 | 46 | N | Moderate |

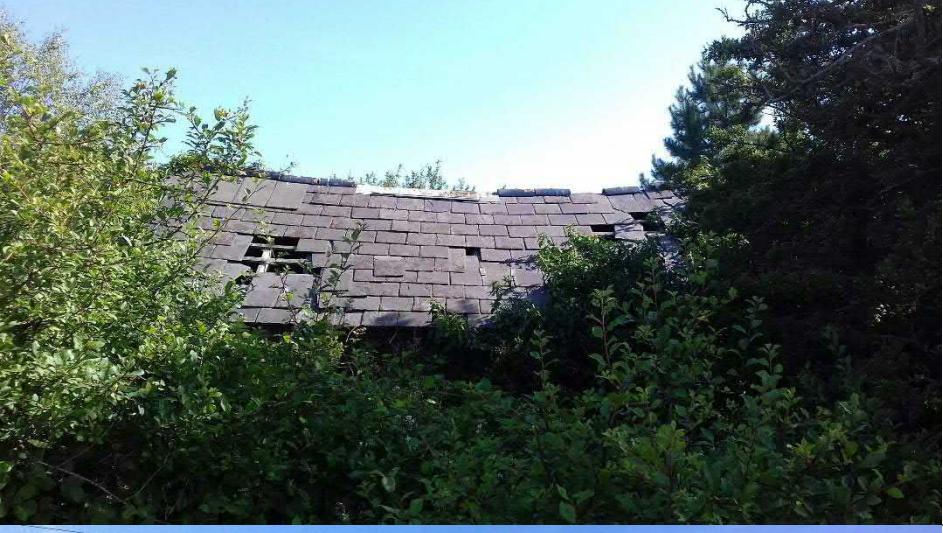
| | | | | | | | | |
|-----|-----------|---|---|---|--------------|-----|---------------|----------|
| B16 | Building | 8 | Several farm barns with open sides/windows. Wooden frames. Holes in asbestos sheet roof. Small disused outbuilding with small window slit opening, bird nest within building. | Adjacent to A27 and pasture field. Nearby hedgerows, gardens and other pasture fields. | TQ5393204982 | 18 | S | Low |
| B17 | Building | 6 | Gaps all through wooden sides all aspects, vent tiles along roof ridge. | Adjacent to residential building and ponds. Surrounded by pasture and arable fields. Nearby woodland and hedgerows. | TQ5407004865 | 103 | S | Low |
| B18 | Building | 4 | Gap between door and frame S, gaps in metal roof pannels W, gaps under barge board W. Stable door open S. Full inspection not possible N & E aspect not observed. | Between pasture field and residential gardens. Nearby hedgerows, ponds and arable fields. | TQ5456704818 | 38 | S | Moderate |
| B19 | Building | 6 | Loose tiles N & S, missing roof tile 5m north. Full inspection not possible due to access. | Adjacent to A27, woodland and residential houses with gardens. Nearby arable field and hedgerows. | TQ5685604773 | 4 | S | Low |
| B20 | Building | 4 | Missing tile on concrete roof edge 2m S. Gaps over the top of rolling service doors leading to inside of building. Damage to soffit box above door. | Adjacent to A27 and railway line. Nearby bridge, hedgerows, pasture fields and woodland. | TQ5769404764 | 19 | N | Moderate |
| B21 | Building | 4 | Gaps under barge board/roof lining. | Adjacent to A27 and railway line. Nearby bridge, hedgerows, pasture fields and woodland. | TQ5774404776 | 7 | N/W | Low |
| S1 | Structure | 3 | Gap the width of the bridge between the pressure/rumble pads and bridge. Entered from underneath only, from under the bridge. | Over a river, adjacent to arable fields with hedgerows. In close proximity to woodland, wet grassland and pasture fields. | TQ5319005058 | 0 | Within scheme | Moderate |
| S2 | Structure | 1 | Concrete culvert into bank under A27. Low water level with flow. Full inspection not possible. | Within woodland adjacent to A27. Nearby pasture fields. | TQ5769904946 | 0 | W | Low |

Appendix D

BUILDING AND STRUCTURE PHOTOS

| BUILDING/ STRUCTURE No. | OVERALL SUITABILITY POTENTIAL | PHOTOGRAPH |
|----------------------------|-------------------------------------|--|
| B1 | High |  |
| B2 | Moderate |  |
| B3 | High |  |

| | | |
|----|------|---|
| B4 | High |  |
| B5 | High |  |

| | | |
|----|----------|--|
| B6 | Low |  |
| B7 | High |  |
| B8 | Moderate |  |

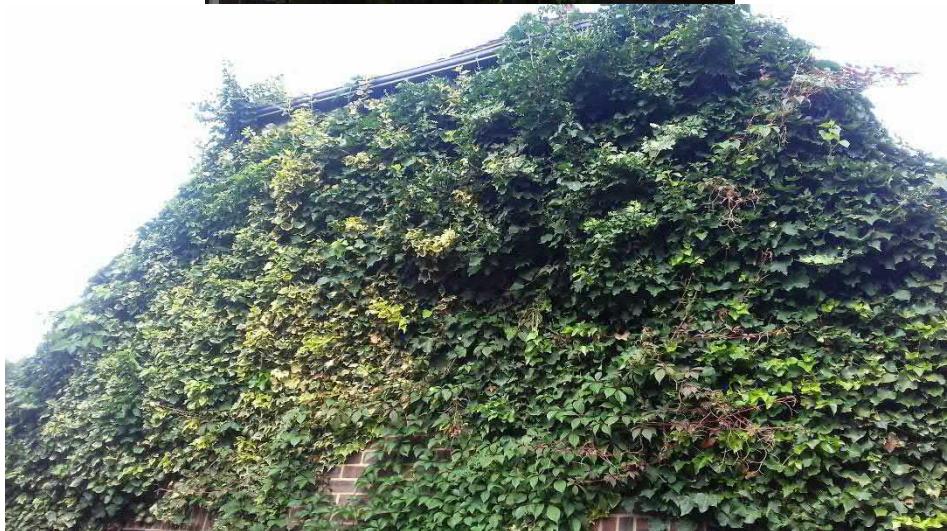
B9

Low



B10

High



| | | |
|-----|----------|---|
| B11 | Low |  |
| B12 | Moderate |  |

B13

Low

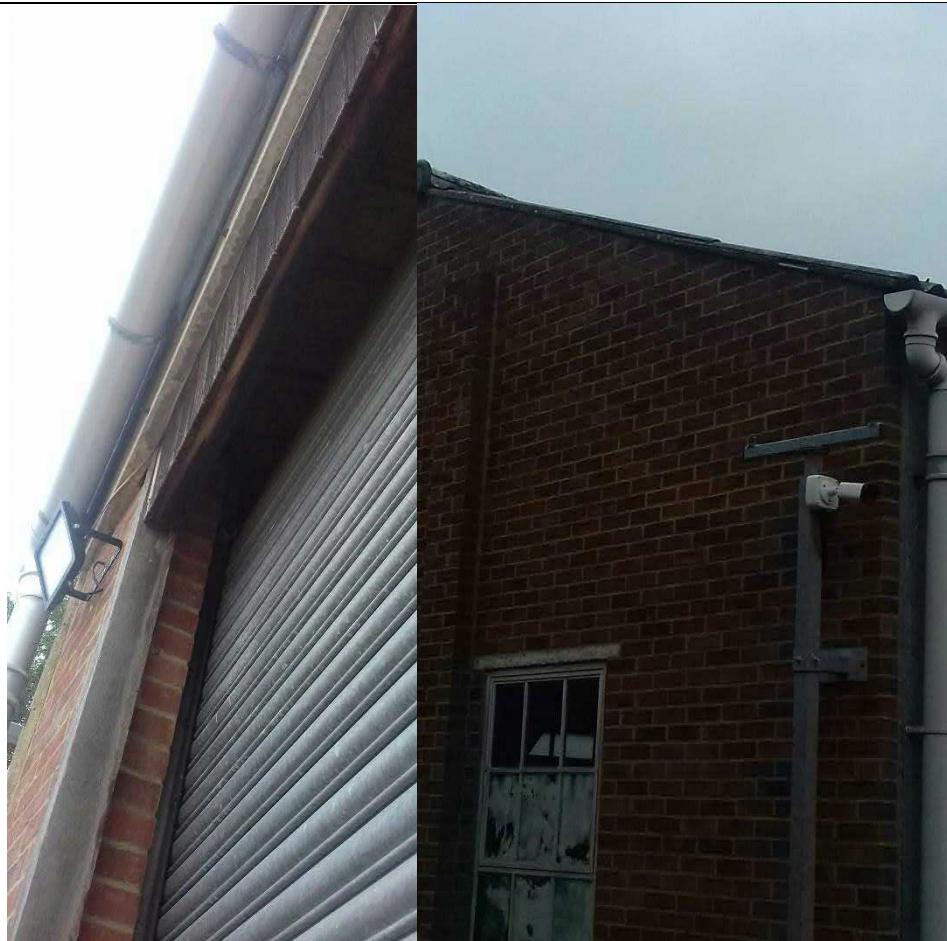


| | | |
|-----|----------|---|
| B14 | Moderate |  |
| B15 | Moderate |  |

| | | |
|-----|----------|--------------------|
| B16 | Low | |
| B17 | Low | |
| B18 | Moderate | |
| B19 | Low | No photo available |

B20

Moderate



| | | |
|-----|----------|---|
| B21 | Low |  |
| S1 | Moderate |   |

| | | | |
|----|-----|---|--|
| S2 | Low |  | |
|----|-----|---|--|

