

# Lower Thames Crossing

6.3 Environmental Statement Appendices Appendix 7.12 Arboricultural Impact Assessment

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## **Lower Thames Crossing**

## **Appendix 7.12 Arboricultural Impact Assessment**

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### **1** Introduction

- 1.1.1 The A122 Lower Thames Crossing (the Project) would provide a connection between the A2 and M2 in Kent and the M25 south of junction 29, crossing under the River Thames through a tunnel. The Project route is presented in Plate 1.1.
- 1.1.2 The A122 would be approximately 23km long, 4.25km of which would be in tunnel. On the south side of the River Thames, the Project route would link the tunnel to the A2 and M2. On the north side, it would link to the A13, M25 junction 29 and the M25 south of junction 29. The tunnel portals would be located to the east of the village of Chalk on the south of the River Thames and to the west of East Tilbury on the north side.
- 1.1.3 Junctions are proposed at the following locations:
  - a. New junction with the A2 to the south-east of Gravesend
  - b. Modified junction with the A13/A1089 in Thurrock
  - c. New junction with the M25 between junctions 29 and 30
- 1.1.4 To align with National Policy Statement for National Networks (Department for Transport, 2014) policy and to help the Project meet the Scheme Objectives, it is proposed that road user charges would be levied in line with the Dartford Crossing. Vehicles would be charged for using the new tunnel.
- 1.1.5 The Project route would be three lanes in both directions, except for:
  - a. link roads
  - b. stretches of the carriageway through junctions
  - c. the southbound carriageway from the M25 to the junction with the A13/A1089, which would be two lanes
- 1.1.6 In common with most A-roads, the A122 would operate with no hard shoulder but would feature a 1m hard strip on either side of the carriageway. It would also feature technology including stopped vehicle and incident detection, lane control, variable speed limits and electronic signage and signalling. The A122 design outside the tunnel would include emergency areas. The tunnel would include a range of enhanced systems and response measures instead of emergency areas.
- 1.1.7 The A122 would be classified as an 'all-purpose trunk road' with green signs. For safety reasons, walkers, cyclists, horse riders and slow-moving vehicles would be prohibited from using it.
- 1.1.8 The Project would include adjustment to a number of local roads. There would also be changes to a number of Public Rights of Way, used by walkers, cyclists and horse riders. Construction of the Project would also require the installation and diversion of a number of utilities, including gas pipelines, overhead electricity powerlines and underground electricity cables, as well as water supplies and telecommunications assets and associated infrastructure.

1.1.9 The Project has been developed to avoid or minimise significant effects on the environment. The measures adopted include landscaping, noise mitigation, green bridges, floodplain compensation, new areas of ecological habitat and two new parks.

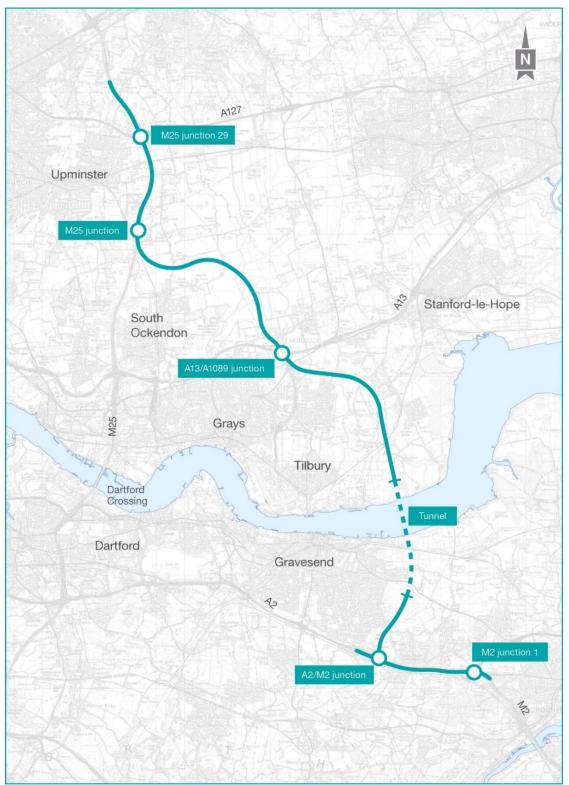


Plate 1.1 Lower Thames Crossing route

### 2 Assessment methodology

2.1.1 This report presents an assessment of the arboricultural impacts of the Project during construction and has been compiled in support of the ES. This report is supported by Figures 7.22 to 7.24 (Application Document 6.2).

### 2.2 Guidance

2.2.1 An arboricultural survey and Arboricultural Impact Assessment (AIA) has been undertaken in accordance with recommendations provided within British Standard BS 5837: 2012 Trees in relation to design, demolition and construction – Recommendations (British Standards Institution, 2012) (BS 5837).

### 2.3 Scope of assessment

- 2.3.1 The scope of assessment has been defined with reference to BS 5837 Clause 5.4. The assessment fulfils the following requirements:
  - a. Description of the baseline resource as it relates to arboricultural features that may be impacted by the Project
  - b. An Arboricultural Impact Assessment (AIA)
  - c. Identification of the scope of an Arboricultural Method Statement (AMS)
- 2.3.2 This assessment deals solely with the arboricultural aspects of the A122 Lower Thames Crossing. Potential tree-related impacts which may arise in respect of visual amenity and conservation are addressed within ES Chapter 7: Landscape and Visual, and Chapter 8: Terrestrial Biodiversity, respectively.

### 2.4 Survey boundaries

- 2.4.1 The desk-based study uses a survey boundary which is defined as all land within the Order Limits plus a 100m offset. The use of a 100m offset beyond the Order Limits has been applied as a means of ensuring that all relevant statutory and environmental designations are captured and recorded.
- 2.4.2 The tree survey uses a survey boundary which is defined as all land within the Order Limits plus a 15m offset. A 15m offset has been applied as a means of ensuring compliance with BS 5837 which recommends that all trees whose Root Protection Areas (RPAs) extend into the developable area are surveyed and any impacts subsequently assessed. The BS 5837 caps RPAs with a maximum radius of 15m. An exception to the survey boundary is made in relation to veteran or ancient trees, in which instances survey work was extended to include trees up to 45m from the Order Limits. This accounts for the larger protective areas associated with veteran or ancient specimens and ensures that they are recorded in instances where they may be influenced by construction.
- 2.4.3 The area for the tree survey has been further refined by division into priority areas and non-priority areas. The sub-division was undertaken based on the professional judgement of the Project environmental team with priority areas defined as those surrounding the A2-M2, the M2/A2/Project junction, the

A13/A1089 Projectjunction and the Project/M25 junction. Also identified as priority areas were sections of land either side of Hoford Road, the Mardyke, and land adjacent to the M25 in proximity to Hobbs Hole and Codham Hall Wood areas of ancient woodland. An additional priority area was also defined as including a small land parcel close to the northernmost extent of the Ockendon Link. The remainder of the survey area was defined as non-priority.

2.4.4 The priority and non-priority survey areas are shown in Figure 7.22 Tree Survey Dual Scope Layout (Application Document 6.2), with the relevant survey scope set out below in the section on Tree survey.

### 2.5 Baseline data collection

- 2.5.1 Baseline data collection has been obtained through:
  - a. A desk-based study
  - b. A survey of trees, tree groups and wooded areas.

### **Desk-based study**

- 2.5.2 A desk-based study was initially undertaken in 2019 and was subsequently updated in October 2021 and April 2022. The purpose of the desk-based study is to identify the presence of any statutory and environmental designations which may apply to arboricultural features within the survey area. Information relating to the presence, or absence, of statutory and environmental designations has been used to inform the scope of subsequent tree surveys and to guide design.
- 2.5.3 The desk-based study reviewed existing arboricultural information available in the public domain. The study has considered the following statutory and environmental constraints.

#### Tree preservation orders

- 2.5.4 The Town and Country Planning Act 1990 Section 198 provides local planning authorities with the power to impose Tree Preservation Orders (TPOs) where it is 'expedient in the interests of amenity to make provision for the preservation of trees or woodlands'. The purpose of a TPO is described in Tree Preservation Orders and Trees in Conservation Areas (Department for Levelling Up, Housing and Communities and Ministry of Housing, Communities & Local Government, 2014) The purpose is described as the protection of specific trees, groups of trees and woodlands '*if their removal would have a significant negative impact on the local environment and its enjoyment by the public*'.
- 2.5.5 Details of TPOs were obtained from Gravesham Borough Council, the London Borough of Havering and Thurrock Council and are included in the Book of Plans (Application Document 2.18). Details were received in June and October 2021.

#### Ancient and veteran trees

2.5.6 The National Planning Policy Framework (Department for Levelling Up, Housing and Communities, 2021) (NPPF) defines ancient or veteran trees as 'A tree which, because of its age, size and condition, is of exceptional biodiversity, cultural or heritage value. All ancient trees are veteran trees. Not all veteran trees are old enough to be ancient, but are old relative to other trees of the same species. Very few trees of any species reach the ancient life-stage.'

- 2.5.7 The NPPF further describes ancient and veteran trees as irreplaceable habitat. This is defined as one which 'would be technically very difficult (or take a very significant time) to restore, recreate or replace once destroyed, taking into account their age, uniqueness, species diversity or rarity.'
- 2.5.8 Details of potential ancient and veteran trees were obtained from the Woodland Trust's Ancient Tree Inventory (ATI). Additional information relating to a single potential veteran tree was also obtained from third-party survey data. This tree is located to the north-west of Orsett and positioned on the western side of Fen Lane.

#### Ancient woodland

- 2.5.9 The NPPF defines ancient woodland as 'An area that has been wooded continuously since at least 1600 AD. It includes ancient semi-natural woodland and plantations on ancient woodland sites (PAWS).' The NPPF also describes ancient woodland as irreplaceable habitat.
- 2.5.10 Details of ancient woodland were obtained from Natural England's Ancient Woodland Inventory.

#### **Tree survey**

- 2.5.11 An initial tree survey was undertaken in November and December 2019. Subsequent survey work was also conducted in February 2020 and April 2022 in response to changes in the Order Limits.
- 2.5.12 The scope of the tree survey differs between priority and non-priority areas. The scope for each is described below:
  - Priority areas survey includes all trees, tree groups and wooded areas with stem diameters in excess of 75mm in diameter at 1.5m from ground level.
  - b. Non-priority areas Only high or moderate-quality trees, tree groups and wooded areas were surveyed. High and moderate-quality features are defined as those which qualify as category A or B specimens within BS 5837 Table 1 a summary of which is provided in Annex C. These include features which are either particularly good examples of their species, are rare or unusual, are of particular visual importance or have significant or material cultural, commemorative or conservation value.

#### Methodology

- 2.5.13 The tree survey was conducted with reference to the methodology detailed within BS 5837. Details of the tools, techniques and variations to the BS 5837 methodology are provided in Annex C.
- 2.5.14 Tree location and extent of surveyed arboricultural features was determined using the Bluesky's National Tree Map (NTM). The NTM utilises information from aerial photography, terrain and surface data and infrared imagery to plot the crowns of vegetation over 3m in height.

- 2.5.15 In accordance with BS 5837 trees have been recorded as tree groups where they combine to form distinct arboricultural features either aerodynamically, visually or because they contain trees of similar cultural and biodiversity value. Wooded areas have been recorded where larger expanses of trees exist and include areas of trees which may otherwise be referred to as copses, spinneys or shelterbelts.
- 2.5.16 Veteran and ancient trees were identified on the basis that they exhibited characteristics such as a hollowing out of the stem, retrenching canopies, decay fungi, large diameter stems and large-sized deadwood.
- 2.5.17 Where it was possible to align veteran and ancient trees with ATI records obtained through the desk-based study then this was undertaken and the term 'verified' is used within the tree survey schedule included in Annex E. Where this was not possible, then veteran and ancient trees identified solely via the tree survey are described as 'potential'.
- 2.5.18 The tree survey excluded areas of ancient woodland on the basis that the type and condition of individual trees are irrelevant to its overall quality and value. This exclusion is applied on the basis that the BS 5837 defines ancient woodland as a high-quality feature due to its conservation, historical and cultural value. This value is applied irrespective of its current silvicultural condition and is instead defined by future potential. This means that even ancient woodland which is in poor condition would qualify as a high-quality feature on the basis that it could be improved with appropriate management over a period of time.

### 2.6 Arboricultural impact assessment

### Scope

- 2.6.1 The scope of the AIA includes the following:
  - a. Evaluation of likely arboricultural impacts
  - b. Evaluation of the arboricultural constraints associated with retained trees
  - c. Details of the issues to be addressed by an arboricultural method statement (AMS).
- 2.6.2 Arboricultural constraints include the quality of each arboricultural feature and its physical attributes such as crown spread and rooting area. These constraints inform the tree protection measures which are applied during construction, and therefore the scope of the AMS.

### Methodology

#### **Removals and retention**

2.6.3 The requirement for trees to be removed has been determined with reference to the 'Retained/removed woodland and trees model'. This model specifies areas where vegetation removal is required. It applies to all land within the Order Limits and takes account of the working area required for the main works, utilities and compounds.

- 2.6.4 A key consideration during the development of the 'Retained/removed woodland and trees model' has been the retention of existing trees. Areas of vegetation removal are therefore limited to that which is directly required for construction purposes.
- 2.6.5 No trees, tree groups or wooded areas outside the Order Limits would be removed.

#### **Buffer zones**

- 2.6.6 Ancient woodland, ancient trees and veteran trees: advice for making planning decisions (Natural England and Forestry Commission, 2022) recommends the use of buffer zones as a means of mitigating adverse impacts associated with development.
- 2.6.7 Buffer zones, which are to be applied around ancient woodland and ancient or veteran trees, may have multiple objectives, one of which is the protection of tree roots. A minimum buffer zone of 15m should be applied around ancient woodland while the buffer zone surrounding ancient and veteran trees is determined by the diameter of the stem.
- 2.6.8 Buffer zones represent a precautionary approach to the protection of tree roots insofar as they are larger than the RPAs recommended in BS 5837. The BS 5837 describes the RPA as 'the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's viability, and where the protection of roots and soil structure is treated as a priority'. The BS 5837 caps RPAs at a radius of 15m or with an area of 707m<sup>2</sup>. The minimum buffer zone for ancient woodland starts at 15m and, for ancient veteran trees, is always 20% larger than an RPA and with no overall cap on radius or area.
- 2.6.9 Buffer zones associated with veteran and ancient trees may be larger than those associated with ancient woodland. This difference compensates for the possibility that, due to their age, ancient and veteran trees may exhibit reduced levels of vitality whereas ancient woodland, while aged in itself, may comprise only younger more vigorous trees. Trees with reduced vitality are less likely to tolerate disturbance to their roots or rooting environment and therefore require larger protective areas if they are to be sustainably retained.
- 2.6.10 Using guidance provided by Natural England and the Forestry Commission, relevant buffer zones have been applied to areas of ancient woodland, ancient or veteran trees identified through the ATI and potential ancient and veteran trees identified through the tree survey. Guidance advises that buffer zones should comprise green infrastructure and, on this basis, buffer zones have been modified to exclude areas of carriageway associated with the A2, the M25, Brewers Road, Park Pale, Thong Lane, Pea Lane and the B1421 Ockendon Road. Further modifications have excluded the High Speed 1 railway line and the footprint of substantive structures, including residential properties and hard surfaced parking areas. Buffer zones are shown in Figure 7.23 Existing Tree Constraints Plan (Application Document 6.2).
- 2.6.11 For the purposes of this assessment any construction work within the buffer zone has the potential to adversely impact trees due to root damage or soil disturbance. The scope of the impact is dependent upon the extent of encroachment and the type of construction work which is to be undertaken.

### Limitations to the assessment

- 2.6.12 The assessment is subject to the following limitations:
  - a. Data pertaining to ancient or veteran trees has been obtained through reference to the ATI and was last checked in May 2022. Records held on the ATI are collected on a voluntary basis, therefore the absence of records does not necessarily demonstrate the absence of an ancient or veteran tree but may simply indicate a gap in recording coverage. Furthermore, while ATI records may be updated, this is not undertaken on a systematic basis. ATI records may therefore reference trees which may have died or which no longer exist.
  - b. ATI data has been validated as part of the tree survey. This includes the surveying of six trees from within the ATI dataset and the identification of an additional 29 potential veteran trees not currently recorded on the ATI.
  - c. The locations and extents of tree groups and wooded areas are based on NTM data relating to tree crowns and do not include references to stem locations. Tree groups and wooded areas do not include trees below 3m in height as these are absent from the NTM dataset. In instances where accurate stem locations are required, this will be achieved through the completion of a topographical survey to be undertaken for detailed design.
  - d. Access to some areas within the survey boundary was not available due to permission not being granted by landowners. In order to fill gaps in survey data, an additional tree survey was completed in April 2022. The remaining areas within the survey boundary that could not be accessed have been indicated within Figure 7.23 Existing Tree Constraints Plan (Application Document 6.2). No survey data was obtained from within these nine areas except in instances where trees could be adequately assessed from adjacent land. When viewed using aerial photography, unsurvey areas consist wholly or partially of residential properties, grassed fields with hedges, areas of woody scrub, wooded copses and land forming part of Cobham Hall School. These are land uses which are generally less favourable for the formation of ancient, veteran or other high-quality trees. Notwithstanding the above, unsurveyed areas represent only a small proportion of the land encompassed by the tree survey boundary and do not affect the robustness of the survey results overall or subsequent assessment.
  - e. All survey work was undertaken from a position of safety. In instances where safe access could not be achieved (i.e. due to dense vegetation or extreme topography) then survey data was estimated to the best of the surveyor's ability and nearest suitable publicly accessible vantage point or location where access had been agreed with the landowner.

- f. Hedgerows were not assessed as part of the AIA but are considered in Chapter 8: Terrestrial Biodiversity (Application Document 6.1).
- g. In instances where tree groups or wooded areas are partially removed, retained trees may become susceptible to windthrow. The risk of windthrow may be reduced by selectively retaining, removing or pruning specific trees along the edge of the retained area. This requires trees to be individually assessed for wind firmness and would be undertaken during detailed design. The likelihood of windthrow occurring and proposals for mitigation are therefore excluded from this assessment.

### **3 Desk study results**

### **Tree Preservation Orders**

3.1.1 A total of 48 separate TPOs were identified as affording statutory protection to trees within the study area. Details, which include the TPO name, details of the trees protected and the administering authority are provided in Annex A. The location and approximate extent of each TPO is shown in Figure 7.23 Existing Tree Constraints Plan (Application Document 6.2).

#### Ancient and veteran trees

- 3.1.2 Records held by the ATI relate to a total of 12 ancient and 66 veteran trees within the study area. Of these trees only two ancient and two veteran trees are recorded north of the River Thames. The remaining 74 records relate to trees located south of the River Thames with the majority within, or in proximity to, land forming the Shorne Woods Country Park.
- 3.1.3 Third-party tree survey data, commissioned specifically to inform utility diversions and dated August 2021, identifies the presence of a single potential veteran tree within the study area. This tree is located north of the River Thames and is on the eastern side of Fen Lane.
- 3.1.4 The most frequent tree species associated with ancient and veteran trees include pedunculate oak *Quercus robur*, sweet chestnut *Castanea sativa* and hornbeam *Carpinus betulus*.
- 3.1.5 Although 78 ancient and veteran trees were identified within the study area, only five are within the Order Limits. These include one ancient tree to the north of Fen Lane, one veteran tree east of Beredens Lane, one veteran tree on the northern edge of Ashenbank Wood and two veteran trees close to the edge of the Shorne Woods Country Park.
- 3.1.6 Further details of the ancient and veteran trees recorded on the ATI are presented in Annex A with locations shown in Figure 7.23 Existing Tree Constraints Plan (Application Document 6.2), page 32 of which shows the location of the single potential veteran tree identified through third-party tree survey data.

### Ancient woodland

3.1.7 Reference to Natural England's ancient woodland inventory identifies 15 ancient woodlands which are wholly, or partially, located within the study area. Of these, eight are located south of the River Thames with the remainder located to the north. Details of these ancient woodlands are provided in Table 3.1.

| Name           | Grid reference<br>(approximate centroid) | Area (ha) |
|----------------|------------------------------------------|-----------|
| Ashenbank Wood | TQ67286936                               | 1.1       |
| Chadwell Wood  | TQ63837922                               | 1.1       |
| Claylane Wood  | TQ66477047                               | 10.1      |

#### Table 3.1 Details of ancient woodlands

| Name                     | Grid reference<br>(approximate centroid) | Area (ha) |
|--------------------------|------------------------------------------|-----------|
| Codham Hall Wood         | TQ58488873                               | 7.6       |
| Coombegreen Wood         | TQ57799012                               | 8.6       |
| Franks Wood              | TQ58398755                               | 0.7       |
| Great Crabbles Wood      | TQ70227015                               | 5.2       |
| Hobbs Hole               | TQ58718813                               | 1.3       |
| Jacksons Wood            | TQ57379079                               | 0.8       |
| Peartree Wood            | TQ70307106                               | 10.5      |
| Sheepfold Wood           | TQ60828084                               | 0.5       |
| Shorne and Brewers Woods | TQ68227022                               | 36.0      |
| Starmore Wood            | TQ69677067                               | 4.1       |
| Unnamed                  | TQ70676925                               | 0.6       |
| Unnamed                  | TQ70046949                               | 0.6       |

- 3.1.8 In addition to the ancient woodlands presented within Natural England's ancient woodland inventory a further three areas of potential ancient woodland have also been recorded. These areas, identified through ecological surveys and assessments, are referenced within Chapter 8: Terrestrial Biodiversity and are named as Ockendon Railsides Site of Importance for Nature Conservation (SINC), Jermains Wood SINC, and Rainbow Shaw Local Wildlife Site (LWS).
- 3.1.9 Overall, there is approximately 95.7ha of ancient woodland within the study area including the areas of potential ancient woodland detailed in Chapter 8: Terrestrial Biodiversity. The locations and extents of ancient woodland within the study area, including those sites not on the ancient woodland inventory, are shown on Figure 7.23 Existing Tree Constraints Plan (Application Document 6.2).

### 4 Tree survey results

- 4.1.1 The results of the tree survey are presented in Annex D and Annex E. The location and extent of each surveyed feature, including its feature type and BS 5837 category, is shown on Figure 7.23 Existing Tree Constraints Plan (Application Document 6.2).
- 4.1.2 The quality of surveyed arboricultural features is described with reference to the BS 5837 category classifications. These category classifications, defined as A, B, C and U, correspond to high, medium, low and very low-quality features respectively.
- 4.1.3 High-quality category A features include those which, by virtue of age and/or size, are rare, unusual or of particular visual importance. High-quality features include specimens with significant conservation, historical or commemorative value such as ancient or veteran trees. They are often features which have arisen over a considerable period of time and as a result of a unique set of circumstances. This means that there are often limited opportunities available for their substitution. High-quality features have an estimated life-expectancy in excess of 40 years under current site conditions.
- 4.1.4 Moderate-quality category B features include those which, by virtue of age and/or size, may qualify as high-quality specimens were it not for the presence of remedial defects, limited visibility or a life-expectancy which may not exceed 40 years. Due to their age and size, moderate-quality features generally offer limited opportunities for substitution within the foreseeable future.
- 4.1.5 Low-quality category C features include specimens with no particular arboricultural merits and those which present few visual, conservation or cultural benefits. While they have life-expectancies which exceed ten years, they are generally insufficiently aged or unique so as to limit opportunities for effective substitution.
- 4.1.6 Very low-quality category U features include specimens which, by virtue of poor health or structural condition, are unsuitable for retention beyond ten years. Their short life-expectancy dictates that they are of negligible arboricultural or visual value and, in the context of development, their substitution with new trees is often desirable.
- 4.1.7 Full details of the BS 5837 category descriptors used during the tree survey are provided in Annex C.

### 4.2 **Priority areas**

4.2.1 Table 4.1 summarises the results from the tree survey within the priority areas. It includes the number of each arboricultural feature recorded and how many were attributed to each of the four BS 5837 category classifications.

| BS 5837 category | Quality  | Trees | Tree groups | Wooded areas |
|------------------|----------|-------|-------------|--------------|
| А                | High     | 38    | 3           | 2            |
| В                | Moderate | 64    | 139         | 2            |
| С                | Low      | 109   | 161         | 1            |
| U                | Very low | 6     | 36          | 0            |
| Totals           |          | 217   | 339         | 5            |

#### Table 4.1 Quality grading for all arboricultural feature types included in survey

- 4.2.2 A total of 561 arboricultural features were recorded within the priority area including 217 individual trees, 339 tree groups and five wooded areas.
- 4.2.3 High-quality features comprise 38 trees, three tree groups and two wooded areas and make up 8% of the surveyed features. These include three trees, one tree group and one wooded area which are wholly or partially covered by TPOs 12-92, 1972-001 and 1981.003.
- 4.2.4 Three high-quality trees (referenced as T29, T183 and T290) have been identified as ancient or veteran specimens and are also recorded on the ATI. A further 17 trees (T41, T145, T184, T221, T223, T225, T226, T234, T237, T238, T242, T244, T460, T555, T609, T617 and T618) have been identified as potential veteran specimens, as have approximately 11 individual specimens within tree group G30. The location of all high-quality features is shown in Figure 7.23 Existing Tree Constraints Plan (Application Document 6.2).
- 4.2.5 Moderate-quality features comprise 64 trees, 139 tree groups and two wooded areas and account for 36.5% of the surveyed features. Of these there are three trees and 15 tree groups which are wholly or partially covered by TPOs 12-92, 1960001, 07/1990 and 1972-001.
- 4.2.6 Low-quality features comprise 109 trees, 161 tree groups and one wooded area and account for 48% of the surveyed features. They include one tree and four tree groups which are wholly or partially covered by TPOs 12-92, 1960001 and 1972-001.
- 4.2.7 Very-low-quality features comprise six trees and 36 tree groups with no wooded areas and account for 7.5% of the surveyed features. Two very-low-quality tree groups are wholly or partially covered by TPO 07/1990.

### 4.3 Non-priority areas

4.3.1 Table 4.2 summarises the results from the tree survey within the non-priority areas. It includes the number of each arboricultural feature recorded and how many were attributed to each of the two BS 5837 category classifications which were used for survey work.

#### Table 4.2 Quality grading for all arboricultural feature types included in survey

| BS 5837 category | Quality  | Trees | Tree groups |
|------------------|----------|-------|-------------|
| А                | High     | 23    | 2           |
| В                | Moderate | 63    | 30          |
| Totals           |          | 86    | 32          |

- 4.3.2 Within the non-priority survey areas 23 trees and two tree groups were identified as being of high-quality. Of these features there are 12 trees (T70, T133, T193, T198, T362, T363, T557, T558, T562, T563, T566 and T570) which have attributes which qualify them as potential veterans. Also, an additional three trees (T196, T197 and T630) are already recorded within the ATI and listed as veteran specimens. Both tree groups (G312 and G626) also contain individual trees with features which suggest they may have veteran potential. Tree group G626 is also covered by TPO 20-81. The location of all high-quality features is shown in Figure 7.23 Existing Tree Constraints Plan (Application Document 6.2).
- 4.3.3 A total of 63 trees and 30 tree groups were surveyed and recorded as being of moderate quality. These include five trees and four tree groups which are variously covered by 20-81, 12/2010, 07/1990, 16-07 and 28/1991.
- 4.3.4 Within the non-priority areas, unsurveyed arboricultural features will, by default, comprise either low or very-low-quality trees, tree groups and wooded areas. Features may also include trees which, by virtue of having stem diameters below 75mm in diameter, fail to qualify for inclusion in a BS 5837 compliant survey.

### 5 Arboricultural impact assessment

### 5.1 Scope of adverse impacts

- 5.1.1 Adverse arboricultural impacts would arise in any instance where an arboricultural feature is removed, in whole or in part. The scope of the impact may vary and is directly dependent upon the quality of the arboricultural feature which is removed and the overall area of loss.
- 5.1.2 Adverse arboricultural impacts may also occur where the roots of retained trees become damaged or where their rooting environment becomes compromised. A rooting environment may become compromised if the soil becomes compacted or is disturbed through excavation, either temporary or permanent. Damage to tree roots may cause adverse effects to retained trees. Effects may include instability, reduced physiological function or, in extreme cases, even death.

### 5.2 Removal of arboricultural features

5.2.1 Details of the areas of arboricultural features which are to be retained and removed are presented in Figure 7.24 Tree Removal and Retention Plan. Arboricultural features identified for retention, removal or partial removal are recorded as such within the tree survey schedule provided in Annex E.

### **Tree Preservation Orders**

5.2.2 Site clearance requirements would necessitate the removal of trees which are covered by 15 separate TPOs. Likely adverse impacts extend from the removal of one, or a few, trees subject to TPO through to the loss of much larger areas of protected woodland. A description of the likely adverse impacts is provided in Table 5.1, and a description of the relevant parts of the Project which may require tree removal are listed in Schedule 7 of the draft DCO (Application Document 3.1).

| TPO<br>reference | Description of protected<br>arboricultural features<br>(reference within<br>Schedule) | Administering<br>authority   | Description of likely adverse impact                                                                                       |
|------------------|---------------------------------------------------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 1960001          | One woodland (W1)                                                                     | Gravesham<br>Borough Council | Loss of a small number of trees<br>from the north-eastern corner of<br>the wooded area protected by the<br>TPO             |
| 1972-001         | One woodland (W1)                                                                     |                              | Loss of a small number of trees<br>from the south-eastern and<br>southern edges of the wooded<br>area protected by the TPO |
| 1999-001         | One woodland (W1)                                                                     |                              | Loss of approximately 40-50% of<br>the wooded area protected by the<br>TPO                                                 |

#### Table 5.1 Adverse impacts to TPOs

| TPO<br>reference | Description of protected<br>arboricultural features<br>(reference within<br>Schedule)     | Administering<br>authority    | Description of likely adverse impact                                                                         |
|------------------|-------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------|
| 4-88             | Eight trees (T1-T8)                                                                       | London Borough<br>of Havering | Potential loss of all trees covered by the TPO                                                               |
| 12-92            | Thirty-five trees and one area of trees (T1-T35, A1)                                      |                               | Removal of a small number of trees from the southern boundary of the TPO area                                |
| 1-06             | Two tree groups, one tree<br>and one woodland (G1,<br>G2, T1, W1)                         |                               | Potential removal of all features covered by TPO                                                             |
| 16-07            | One woodland (W1)                                                                         |                               | Removal of a small number of<br>trees from the north-eastern<br>corner of the woodland covered<br>by the TPO |
| 13-72            | Sixteen trees and three<br>tree groups (T1-T5, T7-<br>T18, G1, G2, G3)                    |                               | Loss of trees along western<br>boundary of overall area covered<br>by TPO                                    |
| 14-97            | One tree (T1)                                                                             |                               | Potential loss of the single tree covered by the TPO                                                         |
| 19/1991          | One area of trees (A1)                                                                    |                               | Removal of a small number of<br>trees from the northern edge of<br>the area covered by the TPO               |
| 20-81            | Two areas of trees and one tree (A1, A2, T1)                                              |                               | Removal of a small number of trees on southern edge of an area covered by the TPO                            |
| 01/1983          | Two areas of trees and<br>thirty-four trees (A1, A2,<br>T1, T3-T21, T22, T23,<br>T25-T38) | Thurrock Council              | Removal of eight individual trees covered by the TPO                                                         |
| 07/1990          | Two woodlands (W1, W2)                                                                    |                               | Partial loss of one wooded area covered by the TPO                                                           |
| 12/1999          | Nine trees (T1-T5, T7-T10)                                                                |                               | Removal of one tree covered by the TPO                                                                       |
| 28/1991          | Woodland area                                                                             |                               | Loss of approximately half the wooded area covered by the TPO                                                |

### Ancient woodland

5.2.3 Tree removal is specified within five areas of ancient woodland. Details of the woodland and the areas of tree removal are presented in Table 5.2.

| Name of ancient woodland                       | Area of tree removal (ha) |
|------------------------------------------------|---------------------------|
| Claylane Wood                                  | 4.49                      |
| Codham Hall Wood                               | 0.36                      |
| Shorne and Brewers Woods                       | 0.48                      |
| Ockendon Railsides (also designated as a SINC) | 0.25                      |
| Rainbow Shaw (also designated as a LWS)        | 0.85                      |

#### Table 5.2 Areas of tree removal within ancient woodland

- 5.2.4 Claylane Wood would experience the largest amount of tree removal. Tree loss would predominately occur on its eastern side and on land which is either within the main works construction area or would be used for utilities work. Some additional tree removal would take place within the western part of the woodland and is associated with the formation of a Public Right of Way.
- 5.2.5 Tree removal within Claylane Wood extends to 4.49ha and includes approximately 1.5ha of small trees and scrubby vegetation located within the existing easement associated with overhead 400kV power lines. This is an area within which maintenance requirements prohibit trees growing above several metres in height and where periodic clearance of trees is required. Trees growing within this easement are therefore unlikely to be retained long enough for them to achieve maturity or attain any significant size.
- 5.2.6 Tree removal within Codham Hall Wood, and Shorne and Brewers Woods, would be restricted to sections of woodland edge which abut the M25 and M2/A2/Brewers Road respectively.
- 5.2.7 Tree removal at Codham Hall Wood would be restricted to land within the main works construction area and is required in order to permit the construction work to roadside embankments. Within Shorne and Brewers Woods the main area of tree removal would occur north of the A2 and is required in order to facilitate construction of the junction between the M2/A2/Project junction Additional much smaller areas of tree removal are also specified along the north-eastern side of Brewers Road and to either side of the eastbound A2 slip road. Tree removal in these areas is necessary to facilitate utilities work, earthworks and the installation of drainage pipes.
- 5.2.8 Ockendon Railsides SINC exists to either side of a branch of the London, Tilbury and Southend railway line. Some tree removal would occur on both sides of the railway but with the majority located on the eastern side between the M25 overbridge and Ockendon Road and also to the north and south of Ockendon Road. Tree removals are predominately outside the main works construction area and are necessary to facilitate utilities work.
- 5.2.9 Tree removal would also be required within the southern part of Rainbow Shaw. Within this woodland, located on the north-western side of Hoford Road, tree removal would be confined to the main works construction area and is necessary in order to permit construction of the carriageway, earthworks and utilities.
- 5.2.10 Construction work would require the removal of an estimated 6.43ha of trees from within areas of ancient woodland.

### Ancient and veteran trees

- 5.2.11 None of the ancient or veteran trees listed in the ATI would be removed. However, six potential veteran trees identified during the tree survey would be removed. These are referenced as trees T41, T133, T145, T362, T363 and T570 within the tree survey schedule included in Annex E.
- 5.2.12 Tree T41, located south of the A2 and north-east of Halfpence Lane, would be removed to facilitate carriageway construction associated with the A2 junction, while T133, located north of the A2, would be removed on the basis that it is positioned within the earthworks required for the A2 junction. Tree T145 is located north of the A2 and south of the Inn on the Lake. This tree requires removal to facilitate earthworks and utilities work.
- 5.2.13 Trees T362 and T363 are located north of the route alignment and to the east of High House Lane. These trees and tree T570 which is located south-east of the junction of Ockendon Road and Pea Lane, would be removed to facilitate utilities work.
- 5.2.14 In addition to the above, the single potential veteran tree which is located on the eastern side of Fen Lane, and which was identified during surveys associated with utility diversions, is to be retained.

### Other trees, tree groups and wooded areas

5.2.15 Table 5.3 presents the total number of individually surveyed trees, for each BS 5837 category, identified as either retained or removed.

| BS 5837 category | Quality Retain |     | Remove |
|------------------|----------------|-----|--------|
| А                | High           | 19  | 7      |
| В                | Moderate       | 65  | 62     |
| С                | Low            | 43  | 66     |
| U                | Very low       | 0   | 6      |
| Totals           | 127            | 141 |        |

Table 5.3 AIA results for individually surveyed trees

- 5.2.16 Construction activities would require the removal of 141 trees. Five of these trees are covered by a TPO and include four moderate-quality specimens and one low-quality specimen. Trees would be removed from TPOs 12-92, 20-81 and 4-88.
- 5.2.17 Table 5.4 presents the total number of tree groups, for each BS 5837 category, identified as either retained, removed or partially removed.

| BS 5837 category | Quality  | Retain | Remove | Partially removed |
|------------------|----------|--------|--------|-------------------|
| А                | High     | 3      | 1      | 1                 |
| В                | Moderate | 62     | 70     | 37                |
| С                | Low      | 35     | 108    | 18                |
| U                | Very low | 6      | 27     | 3                 |
| Totals           |          | 106    | 206    | 59                |

- 5.2.18 Construction activities would require the removal of 206 tree groups. In total these tree groups have an approximate canopy area of 36.9ha. A further 59 tree groups would be partially removed. This equates to an approximate canopy area of 7.0ha.
- 5.2.19 Tree group removals would adversely impact three separate TPOs including 1972-001, 28/1991 and 12-92.
- 5.2.20 Table 5.5 presents the total number of wooded areas, for each BS 5837 category, identified as either retained, removed or partially removed.

| BS 5837 category | Quality  | Retain | Remove | Partially removed |
|------------------|----------|--------|--------|-------------------|
| A                | High     | 1      | 1      | 0                 |
| В                | Moderate | 0      | 0      | 2                 |
| С                | Low      | 0      | 0      | 1                 |
| U                | Very low | 0      | 0      | 0                 |
| Totals           |          | 1      | 1      | 3                 |

Table 5.5 AIA results for wooded areas

5.2.21 Overall, approximately 3.7ha of high and moderate-quality wooded area would be lost. None of the wooded areas which would be removed are covered by a TPO.

### 5.3 Impacts to tree roots

5.3.1 Buffer zones are specified for ancient woodland and ancient and veteran trees, the purpose of which is the protection of tree roots. Buffer zones are shown in Figure 7.23 Existing Tree Constraints Plan (Application Document 6.2).

### **Ancient woodland**

- 5.3.2 Construction work is specified within the buffer zones associated with seven areas of existing or retained ancient woodland.
- 5.3.3 Construction work south of the River Thames includes:
  - a. The installation of new drainage pipes and manholes within the buffer zone of an unnamed woodland located at the junction between the M2 Medway Towns Bypass and the A289 Hasted Road. The woodland occupies part of a piece of land located south of the M2/A2 which is almost entirely bordered by the westbound off-slip serving junction 1.

- b. Construction activities in the form of utilities work and the formation of a Public Right of Way within the buffer zone associated with retained parts of Claylane Wood. Also, the A2 West Utility Hub abuts and encroaches into the buffer zone to the north.
- c. Utilities work is proposed in proximity to the north-western corner of Shorne and Brewers Woods and is within the buffer zone. Construction work, in the form of utilities work, earthworks and the installation of drainage pipe, would also take place within the buffer zone of retained trees on the north-eastern side of Brewers Road and to either side of the eastbound A2 slip road.
- 5.3.4 Construction work north of the River Thames includes:
  - a. Earthworks within the buffer zone associated with retained trees at Codham Hall Wood. This encroachment would occur within the verge of the slip roads joining the M25 and the A127. Other construction work, associated with formation of a pond, would also occur within, and adjacent to, the buffer zone to the north and north-east of the retained area of woodland.
  - b. Encroachment of the main works construction area into the buffer zone associated with retained trees at Rainbow Shaw. Encroachment is associated with the working area in proximity to earthworks and a ditch.
  - c. Encroachment of the main works construction area into the buffer zone associated with Hobbs Hole on its westernmost side. Construction work is associated with the formation of earthworks and a retaining wall.
  - d. Encroachment of the utilities working area into the buffer zone associated with retained trees at Ockendon Railsides. Encroachment would occur at two locations where utilities cross the London, Tilbury and Southend railway line.
- 5.3.5 Construction work within an ancient woodland buffer zone has the potential to cause damage to the roots of trees up to 15m away from the area of activity. Whether adverse impacts arise would be dependent upon whether construction work causes significant damage to the roots of individual trees within woodland or causes disturbance to their rooting environment.
- 5.3.6 The potential for construction activities to adversely impact trees growing within the aforementioned ancient woodland areas cannot be discounted. However, adverse impacts are unlikely to be significant insofar as they would not be so extensive as to materially affect the quality and value of the retained woodland areas. Significant adverse impacts shall be avoided by ensuring that buffer zones are specified and protected so as to ensure that the viability of the tree or woodland is maintained, as set out in Register of Environmental Actions and Commitments (REAC) measure LV030, in Appendix 2.2: Code of Construction Practice (Application Document 6.3). This may be achieved through the identification of rooting areas and the exclusion of damaging activities or the completion of activities in a manner which reduces scope for damage to occur.

### Veteran trees

- 5.3.7 **T630:** One veteran tree, listed within the ATI, where construction activity is specified within its buffer zone. This tree, recorded as 185655 on the ATI and referenced as tree T630 in the arboricultural survey, is located on the eastern side of Beredens Lane and has a buffer zone with a radius of 27m.
- 5.3.8 Construction activities within the buffer zone comprise vehicular access for utilities work. The proposed access route would cross approximately 25% of the buffer zone and would take place on land which is cultivated for arable use. The regular cultivation of land will prevent tree root growth within the disturbed area of soil meaning that roots will generally only exist at depth.
- 5.3.9 Adverse impacts associated with vehicular access across part of the buffer zone can be mitigated through the use of ground protection measures as recommended in BS 5837. Subject to the implementation of such measures, there is no obvious reason why vehicular access should result in significant damage to tree roots or the surrounding soil. Adverse impacts to tree T630 are therefore unlikely to occur.
- 5.3.10 **T609:** One potential veteran tree where access for utilities work would also encroach into its buffer zone. This tree is located near the south-western corner of the Cranham Golf Course Solar Park and encroachment would potentially occur on the eastern side of its buffer zone. Encroachment would impact only a limited area and is unlikely to cause adverse effects such as significant physiological decline or a loss of quality or value. Probable outcomes include a temporary decline in vitality and associated reduction in annual growth.
- 5.3.11 **T29, T555, T557 and T558:** Potential veteran tree T29 is located east of Brewers Road near its junction with the A2 Watling Street. It is within the Order Limits and would have a new section of bridleway constructed within its buffer zone. Other potential veteran trees where a bridleway would be formed within their buffer zones are T557 and T558. Bridleway upgrades would also occur within the buffer zone of potential veteran tree T555.
- 5.3.12 Work to upgrade footpath FP136 to a bridleway would occur within the buffer zones associated with potential veteran trees T557 and T558. In both instances bridleway formation would occur close to trees' stems and within an area which supports roots that are important for nutrient absorption and structural stability.
- 5.3.13 Upgrades to the Mardyke Way bridleway may occur within, or on the edge of, the buffer zone associated with potential veteran tree T555. This tree is separated from the area of proposed construction by the Mardyke, a small river which flows north to south.
- 5.3.14 Construction work necessary to build, or upgrade, bridleways has the potential to cause significant damage to potential veteran trees T29, T555, T557 and T558. However, opportunities for the avoidance of damage are recommended within BS 5837. These include measures such as the avoidance of excavation and the use of surfacing which facilitates access while also providing protection for underlying roots and soil. Implementation of these measures within the buffer zones of trees T29, T555, T557 and T558 will ensure that all-weather access can be provided without risk of damage to adjacent trees. Tree protection measures shall be specified within an AMS and would be sufficient to maintain the viability of the trees, as set out in REAC measures LV028 and LV030, in Appendix 2.2: Code of Construction Practice (Application Document 6.3).

### 5.4 Arboricultural method statement

#### Scope

- 5.4.1 An Arboricultural Method Statement (AMS) shall be produced in accordance with recommendations set out in BS 5837 (REAC Ref. LV028). The AMS shall specify the tree protection measures which shall be applied and will address all construction activities which have the potential to result in the loss of, or damage to, any retained tree, tree group or wooded area. The AMS shall be supported by a Tree Protection Plan and shall be implemented prior to the commencement of any potentially damaging construction activities or site clearance works. The AMS shall be implemented under the supervision of the Environmental Clerk of Works.
- 5.4.2 The AMS shall adopt a precautionary approach to tree protection and shall seek, where practicable, to further reduce the extent of arboricultural removals across the entirety of the Project. The principle of avoiding tree removals will apply in relation to areas of ancient woodland, ancient and veteran trees and other high, moderate and low-quality arboricultural features (REAC Ref. LV001).
- 5.4.3 The AMS shall take account of standing advice prepared by Natural England and the Forestry Commission (2022) when specifying protection measures for ancient and veteran trees and ancient woodland (REAC Ref. LV030). This includes the following:
  - a. Measures to prevent or mitigate the build-up of dust
  - b. The specification of RPAs which, for ancient or veteran trees are 15 times the diameter of the tree trunk or 5m beyond the canopy, whichever is the greater; and for ancient woodland, which are at least 15m from the boundary of the woodland.

### Methodology

5.4.4 The AMS shall accurately specify the final extent of any tree removals and the precise location of any essential mitigation. This will be achieved through the specification of RPAs and the avoidance of potentially damaging construction activities within the RPAs of retained arboricultural features. This will be undertaken in the following manner.

#### Tree Surveys

- 5.4.5 Additional tree surveys shall be undertaken in respect of all arboricultural features where the encroachment of construction activities into their RPA may be a determining factor in whether they are retained or removed. Surveys shall also be undertaken in respect of any arboricultural feature where construction work may occur within, or adjacent to, its RPA including features located outside the Order Limits.
- 5.4.6 The purpose of these surveys shall be the accurate specification of RPAs and canopy spreads. Surveys relating to ancient or veteran trees, ancient woodland or other high and moderate-quality arboricultural features shall be supported by topographical survey data where this is necessary for the accurate positioning of tree stems.

5.4.7 The specification of RPAs associated with ancient or veteran trees shall be undertaken with reference to potential for them to exhibit reduced vitality and a limited tolerance to root disturbance. RPAs will maintain the same area as buffer zones but their shape may be modified to reflect areas of root distribution.

#### Specification of task specific tree protection measures

5.4.8 Construction activities within, or adjacent to, the RPAs of surveyed trees shall be assessed in order to identify any potential adverse impacts. Where practicable, construction activities which may generate adverse impacts shall be modified to provide embedded mitigation. Where this is not practicable then essential mitigation in the form of suitable tree protection measures shall be specified. Embedded and essential mitigation shall ensure that significant adverse impacts to retained arboricultural features are avoided. Significant adverse impacts include those which cause unsustainable physical or physiological damage such that it results in a reduction to estimated remaining life expectancy or a loss of value or visual amenity.

#### Provision of an AMS

- 5.4.9 A written tree protection specification shall be provided in the form of an AMS. Tree protection measures may include, but are not limited to, the erection of protective barriers, the implementation of working methodologies and the provision of specialist monitoring and supervision. The location of the specified tree protection measures shall be shown on the Tree Protection Plan.
- 5.4.10 Other matters which will be addressed by the AMS include the following:
  - a. Protection of retained hedgerows where these occur within the Order Limits and are at risk during construction
  - b. A specification for any access facilitation pruning shall be provided where this is required. Access facilitation pruning is defined as a one-off tree pruning operation which is directly necessary to provide access for construction. The specification shall adhere to recommendations include within British Standard BS 3998: 2010 Tree work – Recommendations (British Standards Institution, 2010) and shall be informed by further survey work to identify specific crown dimensions and branch positions.
  - c. Tree groups and wooded areas which are to be partially removed shall be assessed and a specification provided which reduces the likelihood that retained trees would be subject to windthrow.
- 5.4.11 The felling and handling of veteran trees and trees within areas of ancient woodland which are identified for removal but where compensatory measures, such as the relocation of felled timber, are to be applied. The AMS shall reference the removal of these trees separately and will provide a suitable felling specification. Matters which are to be addressed include timings, felling methodology and temporary storage requirements (REAC Ref. LV031).

### References

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## Annex A Desk-based study

### A.1 Results

### **Tree Preservation Orders**

A.1.1 The desk-based study results relating to Tree Preservation Orders (TPOs) are presented in Table A.1. Information pertaining to location and extent is shown in the Book of Plans (Application Document 2.18 – Hedgerow and Tree Preservation Order Plans).

#### Table A.1 Tree Preservation Orders identified by the desk study

| TPO reference | Description of protected arboricultural features (reference within Schedule) | Administering authority | Grid<br>reference<br>(approximate<br>centroid) |
|---------------|------------------------------------------------------------------------------|-------------------------|------------------------------------------------|
| 1973.003      | Six trees and two tree groups (T1 – T6, G1, G2)                              | Gravesham<br>Borough    | TQ65387076                                     |
| 1974.001      | One tree group (G1)                                                          | Council                 | TQ65407074                                     |
| 1974.003      | One tree group and one tree (G1, T1)                                         |                         | TQ65457070                                     |
| 1977.009      | One tree (T1)                                                                |                         | TQ67347312                                     |
| 1981.003      | Details not available                                                        |                         | TQ69266986                                     |
| 1985.001      | Four trees (T1 – T4)                                                         |                         | TQ64417128                                     |
| 1960001       | One woodland (W1)                                                            |                         | TQ67556938                                     |
| 1972-001      | One woodland (W1)                                                            |                         | TQ67697039                                     |
| 1975-013      | One woodland (W1)                                                            |                         | TQ69646934                                     |
| 1999-001      | One woodland (W1)                                                            |                         | TQ66477047                                     |
| 7-49          | Details not available                                                        | London                  | TQ58218952                                     |
| 2-85          | Two tree groups (G1, G2)                                                     | Borough of<br>Havering  | TQ57648870                                     |
| 4-88          | Eight trees (T1-T8)                                                          |                         | TQ58058504                                     |
| 9-92          | One area of trees, one tree group and one tree (A1, G2, T1)                  |                         | TQ59238583                                     |
| 12-92         | 35 trees and one area of trees (T1-T35, A1)                                  |                         | TQ58548670                                     |
| 2-95          | One tree group (G1)                                                          |                         | TQ58748486                                     |
| 1-06          | Two tree groups, one tree and one woodland (G1, G2, T1, W1)                  |                         | TQ58268498                                     |
| 16-07         | One woodland (W1)                                                            |                         | TQ57868842                                     |
| 13-72         | 16 trees and three tree groups (T1-T5,<br>T7-T18, G1, G2, G3)                |                         | TQ58478518                                     |
| 14-97         | One tree (T1)                                                                |                         | TQ58228504                                     |

| TPO reference | Description of protected arboricultural features (reference within Schedule)                                   | Administering<br>authority | Grid<br>reference<br>(approximate<br>centroid) |
|---------------|----------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------|
| 15-82         | Details not available                                                                                          |                            | TQ59578778                                     |
| 16-87         | One area of trees and one tree (A1, T1)                                                                        |                            | TQ59158621                                     |
| 19-91         | One area of trees (A1)                                                                                         | -                          | TQ58198829                                     |
| 20-81         | Two areas of trees and one tree (A1, A2, T1)                                                                   |                            | TQ57608965                                     |
| 22-83         | One area of trees (A1)                                                                                         |                            | TQ57928835                                     |
| 26-75         | Two areas of trees and two tree groups (A1, A2, G1, G2)                                                        |                            | TQ58738491                                     |
| 03/1976       | One tree group (G1)                                                                                            | Thurrock                   | TQ61108186                                     |
| 01/1981       | One area of trees (A1)                                                                                         | Council                    | TQ60678047                                     |
| 01/1983       | Two areas of trees and 34 trees (A1, A2, T1, T3-T21, T22, T23, T25-T38)                                        |                            | TQ64968096                                     |
| 04/1983       | Ten trees (T1-T10)                                                                                             |                            | TQ59618402                                     |
| 07/1990       | Two woodlands (W1, W2)                                                                                         |                            | TQ66257987                                     |
| 03/1995       | 29 trees (T1-T29)                                                                                              |                            | TQ64598038                                     |
| 05/1998       | Eight tree groups and 33 trees (G3, G4, G5, G6, G7, G12, G13, G14, T47-T58, T61-T70, T72-T84, T121)            |                            | TQ64088171                                     |
| 07/1999       | Six trees (T1-T6)                                                                                              |                            | TQ63828161                                     |
| 12/1999       | Nine trees (T1-T5, T7-T10)                                                                                     |                            | TQ67177931                                     |
| 03/2002       | Seven trees (T1-T7)                                                                                            |                            | TQ59498334                                     |
| 07/2002       | One area of trees, one group of trees, 29<br>trees and one woodland (A1, G1, T1-T21,<br>T25, T26, T29-T35, W1) |                            | TQ63948185                                     |
| 02/2004       | Two tree groups and two woodlands (G1, G2, W1, W2)                                                             |                            | TQ66888032                                     |
| 04/2005       | Seven trees (T1-T7)                                                                                            | -                          | TQ64138184                                     |
| 06/2005       | Three trees (T1-T3)                                                                                            |                            | TQ64128190                                     |
| 10/2009       | Two trees (T1, T2)                                                                                             |                            | TQ63498207                                     |
| 11/2009       | One tree group (G1)                                                                                            |                            | TQ64617894                                     |
| 11/2010       | One tree (T1)                                                                                                  |                            | TQ64567884                                     |
| 12/2010       | Five trees (T1-T5)                                                                                             |                            | TQ67608005                                     |
| 13/1999       | Twenty-nine trees (T1-T29)                                                                                     |                            | TQ64028180                                     |
| 17/2000       | Five trees (T1-T5)                                                                                             |                            | TQ63927618                                     |
| 28/1991       | Woodland area                                                                                                  |                            | TQ67047925                                     |
| 35/2010       | Three trees (T1-T3)                                                                                            |                            | TQ64527881                                     |

### Ancient and veteran trees

A.1.2 The desk-based study results relating to ancient and veteran trees listed on the Ancient Tree Inventory (ATI) are presented in Table A.2. Locations are shown in Figure 7.23 Existing Tree Constraints Plan.

| ATI reference | Measured girth | Grid reference | Species         | Veteran status |
|---------------|----------------|----------------|-----------------|----------------|
| 10300         | 5.7            | TQ63658210     | Oak             | Ancient tree   |
| 14385         | 5.8            | TQ57908489     | Pedunculate oak | Ancient tree   |
| 138877        | 5.5            | TQ6811270707   | Pedunculate oak | Ancient tree   |
| 138878        | 5.3            | TQ6808670585   | Sweet chestnut  | Ancient tree   |
| 138879        | 2.6            | TQ6806270591   | Pedunculate oak | Ancient tree   |
| 138888        | 4.3            | TQ6756370470   | Pedunculate oak | Ancient tree   |
| 138889        | 4.1            | TQ6756970460   | Pedunculate oak | Ancient tree   |
| 138890        | 4.9            | TQ6756170443   | Pedunculate oak | Ancient tree   |
| 138891        | 4.3            | TQ6756270407   | Pedunculate oak | Ancient tree   |
| 138892        | 3.7            | TQ6755670386   | Pedunculate oak | Ancient tree   |
| 138985        | 1.9            | TQ6764370366   | Hawthorn        | Ancient tree   |
| 139041        | 4.0            | TQ6846770619   | Ash             | Ancient tree   |
| 2861          | 4.6            | TQ58808489     | Common lime     | Veteran tree   |
| 12042         | 7.8            | TQ67726938     | Sweet chestnut  | Veteran tree   |
| 12051         | 2.8            | TQ67556889     | Hornbeam        | Veteran tree   |
| 28289         | 5.2            | TQ68206949     | Sweet chestnut  | Veteran tree   |
| 28291         | 5.2            | TQ68156944     | Sweet chestnut  | Veteran tree   |
| 43903         | 3.7            | TQ68646980     | Sweet chestnut  | Veteran tree   |
| 138850        | 3.7            | TQ6864069809   | Sweet chestnut  | Veteran tree   |
| 138851        | 5.9            | TQ6869469772   | Sweet chestnut  | Veteran tree   |
| 138852        | 3.5            | TQ6867269761   | Sweet chestnut  | Veteran tree   |
| 138853        | 3.8            | TQ6872369747   | Sweet chestnut  | Veteran tree   |
| 138854        | 4.2            | TQ6876969751   | Sweet chestnut  | Veteran tree   |
| 138857        | 3.5            | TQ6901169741   | Hornbeam        | Veteran tree   |
| 138858        | 2.8            | TQ6901269738   | Hornbeam        | Veteran tree   |
| 138859        | 2.1            | TQ6901369741   | Hornbeam        | Veteran tree   |
| 138860        | 3.5            | TQ6901269750   | Hornbeam        | Veteran tree   |
| 138867        | 3.9            | TQ6872770586   | Pedunculate oak | Veteran tree   |
| 138868        | 3.1            | TQ6873670695   | Pedunculate oak | Veteran tree   |
| 138869        | 3.5            | TQ6874070701   | Pedunculate oak | Veteran tree   |

Table A.2 Ancient and veteran trees identified by the desk study

| ATI reference | Measured girth | Grid reference | Species               | Veteran status |
|---------------|----------------|----------------|-----------------------|----------------|
| 138874        | 4.0            | TQ6868070549   | Hornbeam              | Veteran tree   |
| 138876        | 3.5            | TQ6813970706   | Pedunculate oak       | Veteran tree   |
| 138884        | 3.5            | TQ6763870498   | Pedunculate oak       | Veteran tree   |
| 138885        | 2.2            | TQ6764870496   | Pedunculate oak       | Veteran tree   |
| 138886        | 3.2            | TQ6763570494   | Pedunculate oak       | Veteran tree   |
| 138887        | 3.7            | TQ6760170500   | Pedunculate oak       | Veteran tree   |
| 138973        | 3.3            | TQ6776970042   | Pedunculate oak       | Veteran tree   |
| 138974        | 3.8            | TQ6777270014   | Pedunculate oak       | Veteran tree   |
| 138983        | 3.7            | TQ6763170370   | Pedunculate oak       | Veteran tree   |
| 138991        | 5.2            | TQ6755770001   | Sweet chestnut        | Veteran tree   |
| 138992        | 4.5            | TQ6771869978   | Sweet chestnut        | Veteran tree   |
| 138993        | 4.2            | TQ6766969994   | Sweet chestnut        | Veteran tree   |
| 139000        | 2.7            | TQ6789969845   | Hornbeam              | Veteran tree   |
| 139004        | 2.3            | TQ6776369916   | Hornbeam              | Veteran tree   |
| 139008        | 2.5            | TQ6786369791   | Hornbeam              | Veteran tree   |
| 139009        | 2.7            | TQ6785569782   | Hornbeam              | Veteran tree   |
| 139019        | 2.5            | TQ6773669982   | Hornbeam              | Veteran tree   |
| 139020        | 9.9            | TQ6771869977   | Sweet chestnut        | Veteran tree   |
| 139021        | 4.0            | TQ6768670052   | Sweet chestnut        | Veteran tree   |
| 139042        | 4.7            | TQ6825670622   | Ash                   | Veteran tree   |
| 139043        | 2.7            | TQ6825370623   | Ash                   | Veteran tree   |
| 139044        | 3.0            | TQ6825170623   | Ash                   | Veteran tree   |
| 139046        | 4.2            | TQ6814370641   | Ash                   | Veteran tree   |
| 139047        | 3.7            | TQ6813970643   | Ash                   | Veteran tree   |
| 139048        | 3.5            | TQ6812970641   | Ash                   | Veteran tree   |
| 139054        | 3.6            | TQ6869969821   | Pedunculate oak       | Veteran tree   |
| 139055        | 3.9            | TQ6871369800   | Sweet chestnut        | Veteran tree   |
| 139056        | 3.2            | TQ6869369758   | Sweet chestnut        | Veteran tree   |
| 139057        | 3.2            | TQ6863469776   | Sweet chestnut        | Veteran tree   |
| 171372        | 2.5            | TQ6543070694   | Common horse chestnut | Veteran tree   |
| 171373        | 2.5            | TQ6543470691   | Common horse chestnut | Veteran tree   |
| 171374        | 2.4            | TQ6547970699   | Common horse chestnut | Veteran tree   |
| 171375        | 2.8            | TQ6546170713   | Common horse chestnut | Veteran tree   |
| 171376        | 2.5            | TQ6547270705   | Common horse chestnut | Veteran tree   |
|               | 2.2            | TQ6568370658   | Cherry                | Veteran tree   |

| ATI reference | Measured girth | Grid reference | Species         | Veteran status |
|---------------|----------------|----------------|-----------------|----------------|
| 171424        | 2.2            | TQ6768070590   | Holly           | Veteran tree   |
| 171425        | 1.9            | TQ6769470620   | Holly           | Veteran tree   |
| 171429        | 9.6            | TQ6781869856   | Sweet chestnut  | Veteran tree   |
| 171456        | 2.4            | TQ6805070610   | Silver birch    | Veteran tree   |
| 171457        | 2.7            | TQ6805370611   | Silver birch    | Veteran tree   |
| 171458        | 2.7            | TQ6805970602   | Silver birch    | Veteran tree   |
| 171460        | 2.1            | TQ6810270582   | Holly           | Veteran tree   |
| 171461        | 1.8            | TQ6810270598   | Holly           | Veteran tree   |
| 171462        | 2.3            | TQ6810570592   | Holly           | Veteran tree   |
| 171463        | 3.2            | TQ6812270569   | Holly           | Veteran tree   |
| 175785        | 5.8            | TQ69706940     | Common beech    | Veteran tree   |
| 182008        | 5.5            | TQ67806960     | Common ash      | Veteran tree   |
| 185655        | 4.5            | TQ5775690020   | Pedunculate oak | Veteran tree   |

# Tools and techniques

- B.1.1 Tree location data capture was undertaken using ArcGIS collector iPad app with use of Global Positioning System (GPS) for plotting of features or hand plotting using high resolution aerial imagery purchased for GIS use on the Project.
- B.1.2 Table B.1 lists the techniques used to conduct the tree survey and the parameters measured.

| Data field                                                           | Tools and techniques used                                                                                                            |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Stem diameter at breast height (DBH) taken from 1.5m at ground level | Diameter measuring tape and recorded in millimetres                                                                                  |
| Structural and physiological condition                               | External visual tree assessment (from the ground)                                                                                    |
| Buffer zones                                                         | For veteran and ancient trees, calculation method taken from standing advice from Natural England and the Forestry Commission (2022) |
| Tree quality assessment                                              | Cascade chart and grading methodology in BS 5837:2012 (BSI, 2012) – see Annex D                                                      |

### Table B.1 Survey techniques and parameters

### BS 5837:2012 deviations in survey methodology

B.1.3 Deviation from the methodology detailed within BS 5837:2012 was employed during the tree survey. Table B.2 lists the specific deviations and provides the reasoning for each one.

#### Table B.2 Deviations from standard BS 5837:2012 methodology

| Survey<br>element       | Standard survey methodology                                                                         | Deviation from<br>standard<br>methodology                                     | Justification                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Topographical<br>survey | Tree survey data to be<br>aligned with tree stem<br>locations identified on<br>a topographical plan | Tree locations<br>identified through<br>reference to the<br>National Tree Map | National Tree Map is<br>sufficiently accurate for impacts<br>to be assessed in relation to<br>preliminary design. A<br>topographical survey will inform<br>the Arboricultural Method<br>Statement |
| Hedgerows               | All hedgerows<br>assessed and<br>recorded                                                           | Hedgerows not<br>included within this<br>tree survey                          | Hedgerow assessments<br>undertaken as part of ecology<br>surveys                                                                                                                                  |

| Survey<br>element | Standard survey<br>methodology                     | Deviation from<br>standard<br>methodology    | Justification                                                                                                                                               |
|-------------------|----------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Canopy height     | Canopy height<br>measured from<br>ground           | No canopy heights presented in data          | Used for determining<br>construction access conflicts –<br>likely to change and greater<br>detail would be required to<br>determine pruning<br>requirements |
| Branch break      | Lowest branch height<br>and direction of<br>growth | No branch break<br>info presented in<br>data | Used for determining<br>construction access conflicts –<br>likely to change and greater<br>detail would be required to<br>determine pruning<br>requirements |

### **Documents and files provided**

B.1.4 Table B.3 lists the documents and files used in the planning and implementation of the tree survey, preparation of this report and production of the associated figures.

| Document title                                  | Document number/file name                    | Purpose                                                                        |
|-------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------|
| Order Limits                                    | Figure 7.24 Trees Removal and Retention Plan | Order Limits used to determine the survey boundaries and survey buffer extents |
| Project route<br>Alignment                      | Figure 7.24 Trees Removal and Retention Plan | Project design detail used during tree survey                                  |
| Retained/removed<br>woodland and trees<br>model | Figure 7.24 Tree Removal and Retention Plan  | Matching of arboricultural impacts                                             |

#### Table B.3 Documents and files used

## Annex C Chart for tree quality assessment

C.1.1 The quality of surveyed arboricultural features was determined with reference to BS 5837 Table 1. The descriptors used for each quality category are presented in Table C.1.

| Category and definition                                                                                                                                                                        | Criteria (including subcategories where appropriate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                        |                                                                                                                                                                |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Trees unsuitable                                                                                                                                                                               | for retention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                        |                                                                                                                                                                |  |
| Category U<br>Those in such a<br>condition that<br>they cannot<br>realistically be<br>retained as<br>living trees in<br>the context of<br>the current land<br>use for longer<br>than 10 years. | <ul> <li>Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning).</li> <li>Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline.</li> <li>Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low-quality trees suppressing adjacent trees of better quality.</li> </ul> |                                                                                                                        |                                                                                                                                                                |  |
|                                                                                                                                                                                                | 1 Mainly arboricultural<br>qualities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2 Mainly landscape<br>qualities                                                                                        | 3 Mainly cultural<br>values, including<br>conservation                                                                                                         |  |
| Category A<br>Trees of high<br>quality with an<br>estimated<br>remaining life<br>expectancy of at<br>least 40 years.                                                                           | Trees that are particularly<br>good examples of their<br>species, especially if rare or<br>unusual; or those that are<br>essential components of<br>groups or formal or semi-<br>formal arboricultural<br>features (e.g. the dominant<br>and/or principal trees within<br>an avenue).                                                                                                                                                                                                                                                                                                                                       | Trees, groups or<br>woodlands of<br>particular visual<br>importance as<br>arboricultural and/or<br>landscape features. | Trees, groups or<br>woodlands of<br>significant<br>conservation,<br>historical,<br>commemorative or<br>other value (e.g.<br>veteran trees or<br>wood-pasture). |  |

Table C.1 Chart for tree quality assessment, taken from BS 5837

| Category and definition                                                                                                    | Criteria (including subcate                                                                                                                                                                                                                                                                                                                                                                                                  | gories where appropriat                                                                                                                                                                                                                                                                                | e)                                                                    |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Category B<br>Trees of<br>moderate quality<br>with an<br>estimated<br>remaining life<br>expectancy of at<br>least 40 years | Trees that might be<br>included in category A, but<br>are downgraded because of<br>impaired condition (e.g.<br>presence of significant<br>though remediable defects,<br>including unsympathetic<br>past management and<br>storm damage), such that<br>they are unlikely to be<br>suitable for retention for<br>beyond 40 years; or trees<br>lacking the special quality<br>necessary to merit the<br>category A designation. | Trees present in<br>numbers, usually<br>growing as groups or<br>woodlands, such that<br>they attract a higher<br>collective rating than<br>they might as<br>individuals; or trees<br>occurring as<br>collectives but situated<br>so as to make little<br>visual contribution to<br>the wider locality. | Trees with material<br>conservation or other<br>cultural value.       |
| Category C<br>Trees of low<br>quality with an<br>estimated<br>remaining life<br>expectancy of at<br>least 40 years.        | Unremarkable trees of very<br>limited merit or such<br>impaired condition that they<br>do not qualify in higher<br>categories.                                                                                                                                                                                                                                                                                               | Trees present in<br>groups or woodlands,<br>but without this<br>conferring on them<br>significantly greater<br>collective landscape<br>value; and/or trees<br>offering low or only<br>temporary/transient<br>landscape benefits.                                                                       | Trees with no<br>material conservation<br>or other cultural<br>value. |

# Annex D Tree survey schedule key

### D.1.1 Table D.1 provides a key to the tree survey schedule presented in Annex F.

#### Table D.1 Key for tree survey schedule

| Item                                  | Explanation                                                                                                                                                                  |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tree ID                               | Individual reference number                                                                                                                                                  |
| Туре                                  | <ul> <li>T – Tree</li> <li>G – Group</li> <li>W – Woodland</li> </ul>                                                                                                        |
| Species                               | Common name<br>For tree groups and wooded areas only the most frequent species may be<br>recorded.                                                                           |
| Diameter at<br>breast height<br>(DBH) | Tree stem diameter in millimetres (mm) measured at 1.5m from the ground.<br>This figure relates to both single-stemmed trees or the combined DBH for<br>multi-stemmed trees. |
| Age class                             | <ul> <li>Young (Y) – A tree in the first quarter of its life span</li> </ul>                                                                                                 |
|                                       | <ul> <li>Semi-mature (SM) – A tree in the latter stages of its first quarter, well<br/>established</li> </ul>                                                                |
|                                       | <ul> <li>Early mature (EM) – A tree halfway through its life span, significant further<br/>growth potential</li> </ul>                                                       |
|                                       | <ul> <li>Mature (M) – A tree at or near its potential maximum size which is still<br/>growing vigorously in the third quarter of its life span</li> </ul>                    |
|                                       | <ul> <li>Over-mature (OM) – A tree in decline in the final quarter of its life span</li> </ul>                                                                               |
| BS 5837<br>category                   | <ul> <li>Category A – high quality with a minimum remaining life expectancy of 40 years</li> </ul>                                                                           |
|                                       | <ul> <li>Category B – moderate quality with a minimum remaining life expectancy<br/>of 20 years</li> </ul>                                                                   |
|                                       | <ul> <li>Category C – low quality with a minimum remaining life expectancy of 10 years</li> </ul>                                                                            |
|                                       | Category U – unsuitable for retention                                                                                                                                        |
| Observations                          | Observations relevant to the BS 5837 category award and/or a basic description of the arboricultural feature                                                                 |
| Ancient /<br>veteran tree             | <ul> <li>Ancient (verified) – a tree of ancient status recorded on the Ancient Tree<br/>Inventory (ATI)</li> </ul>                                                           |
|                                       | <ul> <li>Veteran (verified) – a tree of veteran status recorded on the ATI</li> </ul>                                                                                        |
|                                       | <ul> <li>Ancient (potential) – a tree with features of an ancient tree but not<br/>recorded on the ATI</li> </ul>                                                            |
|                                       | <ul> <li>Veteran (potential) – a tree with features of a veteran tree but not<br/>recorded on the ATI</li> </ul>                                                             |
|                                       | '-' denotes no obvious features associated with an ancient or veteran tree                                                                                                   |
| ATI ref.                              | Unique reference number attributed to trees recorded on the ATI                                                                                                              |
| ТРО                                   | Tree Preservation Order name (if applicable)                                                                                                                                 |

| Item        | Explanation                                                                                                                                              |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Impact      | Retain                                                                                                                                                   |
|             | Remove                                                                                                                                                   |
|             | <ul> <li>Part remove (applies to tree groups and wooded areas only)</li> </ul>                                                                           |
| Buffer zone | An area surrounding an ancient or veteran tree or area of ancient woodland which is specified for the purpose of protecting roots.                       |
|             | Specified in accordance with standing advice from Natural England and the Forestry Commission (2022).                                                    |
| -           | Attribute is not relevant to the arboricultural feature and does not apply / arboricultural feature does not exhibit any attributes which are noteworthy |

## Annex E Tree survey schedule

| Tree<br>ID | Туре | Species                              |     | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                                   | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|--------------------------------------|-----|--------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 1          | G    | Birch, hazel                         | 120 | SM           | В                   | Highway planting on cutting.                                                                                                                                                   | -                            | -       | -   | Retain      | -                     |
| 2          | G    | Highways mix                         | 150 | SM           | В                   | Highways planting on cutting.                                                                                                                                                  | -                            | -       | -   | Part remove | -                     |
| 3          | G    | Oak, birch                           | 350 | EM           | С                   | -                                                                                                                                                                              | -                            | -       | -   | Part remove | -                     |
| 4          | G    | Sweet chestnut, Scots<br>pine, birch | 275 | EM           | В                   | Roadside trees<br>growing within<br>ancient woodland<br>buffer zone.<br>Surveyed from a<br>position of safety<br>as no safe access.                                            | -                            | -       | -   | Part remove | -                     |
| 5          | G    | Oak, birch, sweet<br>chestnut, ash   | 550 | EM           | В                   | No access across<br>slip road.<br>Highways planting<br>around edge.<br>Older EM trees set<br>back. Trees in<br>decline. Major<br>deadwood habitat<br>present. Prolific<br>ivy. | -                            | -       | -   | Part remove | -                     |

#### Table E.1 Tree survey schedule

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| Tree<br>ID | Туре | Species                                                                                            | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                  | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|----------------------------------------------------------------------------------------------------|-------------|--------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 6          | G    | Hazel, field maple, ash,<br>goat willow, sweet<br>chestnut.                                        | 150         | Y            | С                   | Highways<br>screening.                                                                                                                        | -                            | -       | -   | Part remove | -                     |
| 16         | G    | Oak, field maple, holly,<br>alder, ash, hazel,<br>hawthorn, goat willow,<br>western balsam poplar  | 150         | SM           | В                   | HS1 screening planting.                                                                                                                       | -                            | -       | -   | Part remove | -                     |
| 17         | G    | Oak, yew, field maple,<br>ash, birch, goat willow,<br>hornbeam                                     | 220         | SM           | В                   | On HS1 land.                                                                                                                                  | -                            | -       | -   | Part remove | -                     |
| 18         | G    | Hazel, goat willow, oak,<br>dogwood, hawthorn                                                      | 150         | SM           | С                   | Highways<br>screening.                                                                                                                        | -                            | -       | -   | Remove      | -                     |
| 19         | G    | Goat willow, hawthorn,<br>crack willow, birch,<br>cherry, hazel                                    | 200         | SM           | В                   | -                                                                                                                                             | -                            | -       | -   | Remove      | -                     |
| 20         | G    | Field maple, ash, hazel,<br>oak, birch, cherry, yew                                                | 220         | SM           | В                   | Landscape screen planting for HS1.                                                                                                            | -                            | -       | -   | Retain      | -                     |
| 21         | G    | Field maple, oak, hazel,<br>birch, yew, hornbeam,<br>beech, sweet chestnut,<br>cherry, goat willow | 410         | EM           | В                   | Screening for golf<br>course. Mainly<br>hazel coppice.<br>Some older oaks.<br>Occasional larger<br>hornbeam and<br>beech at 520mm<br>DBH max. | -                            | -       | -   | Retain      | -                     |
| 22         | G    | Field maple, hazel, birch, sycamore, hawthorn,                                                     | 270         | SM           | С                   | Screen planting<br>along Public Right<br>of Way.                                                                                              | -                            | -       | -   | Retain      | -                     |

| Tree<br>ID | Туре | Species                                              | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                                                                             | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|------------------------------------------------------|-------------|--------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 23         | G    | Hawthorn, ash, elder, oak                            | 370         | EM           | В                   | Mainly hawthorn<br>and ash with<br>occasional larger<br>oak. Standing<br>dead trees. Major<br>deadwood.                                                                                                                  | -                            | -       | -   | Retain | -                     |
| 24         | G    | Oak, sweet chestnut,<br>hornbeam, holly,<br>hawthorn | 880         | EM           | В                   | Ash and oak<br>standards with<br>sweet chestnut<br>throughout. Mostly<br>EM with some<br>mature trees.<br>Largely<br>unmanaged<br>although trees on<br>edge of course<br>show pruning<br>wounds. Standing<br>dead trees. | -                            | -       | -   | Retain | -                     |
| 25         | G    | Oak                                                  | 1080        | М            | В                   | Group of oaks on<br>woodland edge.<br>More mature than<br>surrounding trees.<br>Storm damage.<br>Fractures.<br>Moderate<br>deadwood. Stem<br>and canopy<br>cavities.                                                     | -                            | -       | -   | Retain | -                     |

| Tree<br>ID | Туре | Species                                 | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                                                                                                                                                                                    | Ancient /<br>veteran<br>tree                      | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|-----------------------------------------|-------------|--------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------|-----|-------------|-----------------------|
| 26         | G    | Hawthorn, ash, elder                    | 380         | EM           | В                   | Area of distinct<br>change. Low-<br>density hawthorn<br>stand with<br>occasional ash<br>and oak standards<br>of EM. Moderate<br>deadwood.                                                                                                                                                                                       | -                                                 | -       | -   | Retain      | -                     |
| 27         | G    | Maple                                   | 180         | SM           | С                   | Highways planting.                                                                                                                                                                                                                                                                                                              | -                                                 | -       | -   | Remove      | -                     |
| 28         | G    | Birch, oak, hawthorn,<br>hazel          | 200         | SM           | С                   | Viewed from<br>distance. HS1<br>planting.                                                                                                                                                                                                                                                                                       | -                                                 | -       | -   | Part remove | -                     |
| 30         | G    | Sweet chestnut, ash,<br>sycamore, birch | 1700        | ОМ           | A                   | No access. Sweet<br>chestnut trees with<br>major deadwood.<br>Storm damage.<br>Fractures.<br>Stem/canopy<br>cavities. Fallen<br>trees regenerating.<br>Some<br>retrenchment.<br>Several large<br>diameter<br>specimens.<br>Verified veteran<br>within group. Not<br>clear which. More<br>potential veteran<br>trees (circa 11). | Veteran<br>(verified) /<br>veteran<br>(potential) | -       | -   | Retain      | 25.5                  |

| Tree<br>ID | Туре | Species                                                      | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                                          | Ancient /<br>veteran<br>tree | ATI ref | ТРО     | Impact      | Buffer<br>zone<br>(m) |
|------------|------|--------------------------------------------------------------|-------------|--------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|---------|-------------|-----------------------|
| 31         | G    | Ash, oak, sycamore,<br>Scots pine                            | 320         | EM           | В                   | Mainly ash.<br>Managed<br>roadside. Minor<br>deadwood.                                                                                                                                | -                            | -       | -       | Part remove | -                     |
| 32         | G    | Lime, hazel, yew,<br>hawthorn, goat willow,<br>holly         | 100         | Y            | В                   | Screen planting.                                                                                                                                                                      | -                            | -       | -       | Retain      | -                     |
| 33         | G    | Birch, hazel, goat willow                                    | 120         | Y            | С                   | Screen planting on HS1 land.                                                                                                                                                          | -                            | -       | -       | Retain      | -                     |
| 34         | G    | Hazel, goat willow, birch                                    | 100         | Y            | В                   | No access. Screen planting for school.                                                                                                                                                | -                            | -       | -       | Retain      | -                     |
| 36         | G    | Sweet chestnut,<br>sycamore, Douglas fir,<br>ash, oak, birch | 900         | М            | В                   | Woodland edge by<br>HS1. Mature<br>sweet chestnut.<br>Managed. Major<br>deadwood. Fallen<br>deadwood<br>strapped to trees.<br>Some mature oak.<br>Cleared areas with<br>regeneration. | -                            | -       | 1960001 | Retain      | -                     |
| 39         | G    | Oak                                                          | 1100        | М            | В                   | Linear group of<br>mature oaks.<br>Major deadwood.<br>Storm damage.<br>Lashed on<br>deadwood.<br>Canopy cavities.<br>Stem cavities.                                                   | -                            | -       | 1960001 | Retain      | -                     |

| Tree<br>ID | Туре | Species                                        |      | Age<br>class | BS 5837<br>category | Observations                                                                                                                         | Ancient /<br>veteran<br>tree | ATI ref | ТРО     | Impact | Buffer<br>zone<br>(m) |
|------------|------|------------------------------------------------|------|--------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|---------|--------|-----------------------|
| 40         | G    | Field maple, hazel, birch, sweet chestnut, oak | 170  | Y            | С                   | On HS1 land. No access.                                                                                                              | -                            | -       | 1960001 | Retain | -                     |
| 43         |      | Birch, sweet chestnut,<br>sycamore             | 400  | SM           | С                   | Fill in planting.<br>Some EM sweet<br>chestnut coppice.<br>Fallen trees.                                                             | -                            | -       | -       | Remove | -                     |
| 44         |      | Sweet chestnut, ash,<br>birch, alder           | 350  | EM           | В                   | Younger trees<br>aside from large,<br>sweet chestnut.<br>Minor deadwood.<br>Standing dead.                                           | -                            | -       | -       | Remove | -                     |
| 45         | G    | Sweet chestnut                                 | 1150 | ОМ           | В                   | Group of sweet<br>chestnut. Mature<br>to OM. Major<br>deadwood.<br>Dieback in upper<br>canopy. Stem<br>cavities. Canopy<br>cavities. | -                            | -       | -       | Remove | -                     |

T II

| Tree<br>ID | Туре | Species                       | DBH<br>(mm) |   | BS 5837<br>category |                                                                                                                                                                                                                                                     | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|-------------------------------|-------------|---|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 46         | G    | Sweet chestnut                | 1100        | Μ | В                   | Major deadwood<br>within canopy.<br>Cavities. Dieback<br>within upper<br>canopy. Managed.<br>and in various<br>states of decline.<br>Tree to north has<br>largest stem<br>diameter of<br>1100mm. Other<br>trees have<br>diameters of 600-<br>800mm. | -                            | -       | -   | Remove | -                     |
| 48         | G    | Sweet chestnut, hazel,<br>ash | 590         | Μ | В                   | Remnant<br>woodland strip<br>between roads.<br>Predominantly<br>mature sweet<br>chestnut with<br>hazel coppice.<br>Low density. Major<br>deadwood.<br>Standing dead.<br>Cavities within<br>crown.                                                   | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species                                                                     | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                          | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|-----------------------------------------------------------------------------|-------------|--------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 55         | G    | Hazel, oak, ash, goat<br>willow, birch, field maple,<br>sweet chestnut, yew | 280         | SM           | С                   | All recently<br>planted.<br>Recreational<br>usage. Some<br>small breaks in<br>planting formation.<br>Trenches dug<br>throughout.<br>Managed. Mostly<br>hazel coppice. | -                            | -       | -   | Remove      | -                     |
| 56         | G    | Hazel, birch, oak, cherry                                                   | 150         | SM           | С                   | No access. HS1 screening.                                                                                                                                             | -                            | -       | -   | Part remove | -                     |
| 57         | G    | Hazel, birch                                                                | 150         | SM           | С                   | No access. Mainly hazel coppice.                                                                                                                                      | -                            | -       | -   | Retain      | -                     |
| 58         | G    | Hazel, goat willow, birch                                                   | 150         | SM           | С                   | No access. Mainly<br>young hazel<br>coppice.<br>Occasional EM<br>goat willow. Larger<br>EM oak (500mm)<br>from adjacent<br>woodland along<br>edge.                    | -                            | -       | -   | Retain      | -                     |
| 60         | G    | Oak, sycamore, horse<br>chestnut, beech                                     | 870         | М            | С                   | Driveway trees.<br>Minor stem<br>damage. Poor<br>form.                                                                                                                | -                            | -       | -   | Retain      | -                     |
| 61         | G    | Hazel, birch, oak, cherry,<br>field maple                                   | 160         | SM           | В                   | HS1 screening.                                                                                                                                                        | -                            | -       | -   | Retain      | -                     |

| Tree<br>ID | Туре | Species                                                                  | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                                          | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|--------------------------------------------------------------------------|-------------|--------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 62         | G    | Sweet chestnut, oak,<br>beech, Leyland cypress,<br>weeping willow, alder | 900         | м            | В                   | No access. Mature<br>sweet chestnuts<br>and oak with EM<br>cypress.                                                                                                                   | -                            | -       | -   | Retain | -                     |
| 74         | G    | Field maple, ash, elm,<br>hawthorn,                                      | 570         | М            | В                   | Field boundary<br>linear group.<br>Mature ash<br>coppice stools.<br>Moderate<br>deadwood. Stem<br>and canopy<br>cavities. Diameter<br>180mm x ten<br>trees. X 7 ash<br>stools.        | -                            | -       | -   | Retain | -                     |
| 77         | G    | Sweet chestnut, wild<br>cherry, oak, hazel, birch,<br>goat willow, alder | 700         | М            | В                   | Overstood<br>chestnut coppice.<br>Mature stools.<br>Moderate<br>deadwood. Stem<br>cavities. Ash<br>canker. Strip of<br>SM planting on<br>HS1 embankment<br>of birch. Alder.<br>Hazel. | -                            | -       | -   | Remove | -                     |
| 78         | G    | Birch, hazel, hawthorn,<br>alder                                         | 120         | Y            | С                   | No access. Pond screening.                                                                                                                                                            | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species                                                                          |     | Age<br>class | BS 5837<br>category | Observations                                                                                                                            | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|----------------------------------------------------------------------------------|-----|--------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 79         | G    | Oak, birch, Norway<br>maple, apple, hawthorn,<br>field maple, hornbeam,<br>beech | 320 | EM           | В                   | Mixed broadleaf<br>species with EM<br>maples to east.<br>Younger staked<br>trees throughout of<br>SM. Poor pruning<br>cuts. Some decay. | -                            | -       | -   | Remove | -                     |
| 80         | G    | Oak, sycamore                                                                    | 500 | EM           | В                   | Large pruning<br>wounds on lower<br>stems with decay.<br>Minor deadwood.<br>Managed.                                                    | -                            | -       | -   | Remove | -                     |
| 82         | G    | Hawthorn, goat willow,<br>sycamore, ash, field<br>maple, white willow, birch     | 400 | EM           | С                   | No access.<br>Viewed from<br>distance. In gully.<br>Unmanaged.<br>Fallen trees.<br>Larger sycamore<br>to north.                         | -                            | -       | -   | Remove | -                     |
| 83         | G    | Field maple, poplar sp.,<br>birch, oak, cherry, ash,<br>goat willow              | 180 | SM           | С                   | Highways<br>screening.                                                                                                                  | -                            | -       | -   | Remove | -                     |
| 84         | G    | Hazel, field maple, ash,<br>hawthorn, oak, yew                                   | 150 | SM           | С                   | Provides low-level visual amenity.                                                                                                      | -                            | -       | -   | Remove | -                     |
| 85         | G    | Hazel, birch, cherry,<br>hawthorn, field maple,<br>alder, damson                 | 180 | SM           | С                   | Screening for<br>property to south.<br>Larger birch with<br>young in planting.                                                          | -                            | -       | -   | Remove | -                     |

160

150

120

SM

SM

SM

С

С

С

| e | Species                              | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                              | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|---|--------------------------------------|-------------|--------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
|   | Lime, hawthorn                       | 450         | EM           | В                   | Circa eight EM<br>limes with younger<br>understory of<br>hawthorn, field<br>maple and elder.<br>Prolific ivy.<br>Screening for<br>houses. | -                            | -       | -   | Remove | -                     |
|   | Lawsons cypress,<br>sycamore         | 280         | EM           | В                   | Five cypress trees<br>and a sycamore<br>within property.<br>Screening from<br>road. No access.<br>Viewed from<br>distance.                | -                            | -       | -   | Remove | -                     |
|   | Leyland cypress                      | 450         | EM           | С                   | Rear garden of middle house.                                                                                                              | -                            | -       | -   | Remove | -                     |
|   | Cherry, sycamore,<br>Leyland cypress | 440         | М            | С                   | Prolific ivy on<br>cherry tree. Semi-<br>mature sycamore                                                                                  | -                            | -       | -   | Remove | -                     |

Birch

Tree Type Species

Oak, Scots pine,

Birch, oak, field maple,

beech, cherry, hawthorn

hawthorn

ID

90

G

G

G

G

G

G

91

92

93 G

94

95

98

Remove

Remove

Part remove

trees.

Viewed from

distance. No access.

Viewed from

distance. HS1 screening.

| Tree<br>ID | Туре | Species                                                                                           | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                             | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------------------------------------------------------------------------------------------------|-------------|--------------|---------------------|--------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 99         | G    | Cherry, field maple, oak,<br>birch, hazel, hawthorn                                               | 150         | Y            | С                   | HS1 planting.                                                            | -                            | -       | -   | Remove | -                     |
| 100        | G    | Cherry, hawthorn                                                                                  | 160         | SM           | С                   | On cutting.<br>Highways planting.<br>SM cherry with<br>younger hawthorn. | -                            | -       | -   | Remove | -                     |
| 101        | G    | Cherry, birch, ash,<br>hawthorn, hazel                                                            | 120         | SM           | С                   | No access.<br>Highways planting.                                         | -                            | -       | -   | Remove | -                     |
| 102        | G    | Oak, field maple, holly,<br>alder, ash, hazel,<br>hawthorn, goat willow,<br>western balsam poplar | 150         | Y            | В                   | HS1 screening.                                                           | -                            | -       | -   | Retain | -                     |
| 103        | G    | Oak, field maple, holly,<br>alder, ash, hazel,<br>hawthorn, goat willow,<br>western balsam poplar | 200         | SM           | В                   | HS1 screening.                                                           | -                            | -       | -   | Retain | -                     |
| 104        | G    | Hybrid poplar                                                                                     | 160         | Y            | В                   | No access.<br>Observed from<br>distance.                                 | -                            | -       | -   | Remove | -                     |
| 105        | G    | Hazel, goat willow,<br>hawthorn                                                                   | 200         | SM           | В                   | Planted hedge line.                                                      | -                            | -       | -   | Retain | -                     |
| 108        | G    | Aspen, ash                                                                                        | 180         | SM           | В                   | Screen planting.                                                         | -                            | -       | -   | Retain | -                     |
| 109        | G    | Goat willow                                                                                       | 190         | EM           | С                   | Multi-stemmed cluster.                                                   | -                            | -       | -   | Retain | -                     |

| Tree<br>ID | Туре | Species                                                                                              | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                   | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|------------------------------------------------------------------------------------------------------|-------------|--------------|---------------------|------------------------------------------------------------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 111        | G    | Alder, hawthorn,<br>blackthorn, hazel,<br>hawthorn, hybrid poplar,<br>sycamore, ash, crack<br>willow | 650         | М            | В                   | Limited access to<br>survey. Highways<br>planting of young<br>to mature tree<br>stock.         | -                            | -       | -   | Remove      | -                     |
| 112        | G    | Hybrid poplar                                                                                        | 710         | М            | В                   | Moderate<br>deadwood in mid-<br>to lower canopy.                                               | -                            | -       | -   | Remove      | -                     |
| 113        | G    | Ash, pine, hazel, crack<br>willow, hybrid poplar,<br>cherry, alder                                   | 690         | EM           | В                   | Planting restricted<br>to embankment<br>offering screening<br>to public park and<br>dwellings. | -                            | -       | -   | Part remove | -                     |
| 116        | G    | Hawthorn                                                                                             | 150         | EM           | С                   | Most likely highways planting.                                                                 | -                            | -       | -   | Remove      | -                     |
| 117        | G    | Leyland cypress                                                                                      | 250         | EM           | С                   | Height reduced and managed.                                                                    | -                            | -       | -   | Remove      | -                     |
| 118        | G    | Field maple, ash, hazel,<br>hawthorn, silver birch                                                   | 100         | Y            | С                   | Highways planting.                                                                             | -                            | -       | -   | Remove      | -                     |
| 119        | G    | Leyland cypress, cherry                                                                              | 360         | EM           | С                   | Garden screening<br>trees and<br>ornamental<br>cherries.                                       | -                            | -       | -   | Remove      | -                     |
| 120        | G    | Leyland cypress                                                                                      | 380         | EM           | С                   | Garden screening trees.                                                                        | -                            | -       | -   | Remove      | -                     |
| 121        | G    | Field maple, hawthorn, blackthorn, dogwood                                                           | 250         | М            | С                   | Roadside planting.                                                                             | -                            | -       | -   | Remove      | -                     |

| Tree<br>ID | Туре | Species                                                                    |     | Age<br>class | BS 5837<br>category | Observations                                                               | Ancient /<br>veteran<br>tree | ATI ref | ТРО      | Impact      | Buffer<br>zone<br>(m) |
|------------|------|----------------------------------------------------------------------------|-----|--------------|---------------------|----------------------------------------------------------------------------|------------------------------|---------|----------|-------------|-----------------------|
| 122        | G    | Leyland cypress                                                            | 310 | EM           | С                   | Garden screen planting.                                                    | -                            | -       | -        | Remove      | -                     |
| 124        | G    | Oak                                                                        | 290 | SM           | В                   | Semi-mature healthy trees.                                                 | -                            | -       | -        | Remove      | -                     |
| 125        | G    | Goat willow, field maple, ash                                              | 170 | Y            | В                   | Limited access highways planting.                                          | -                            | -       | -        | Remove      | -                     |
| 126        | G    | Goat willow, cherry, field maple, hawthorn                                 | 230 | EM           | В                   | Limited access.                                                            | -                            | -       | -        | Remove      | -                     |
| 127        | G    | Oak, sweet chestnut, oak,<br>ash, cherry, hawthorn,<br>hazel, silver birch | 120 | Y            | В                   | Native tree<br>planting plot with<br>tubes in place.                       | -                            | -       | -        | Remove      | -                     |
| 128        | G    | Sweet chestnut, oak                                                        | 860 | EM           | В                   | Sweet chestnut<br>coppice woodland<br>with occasional<br>individual tree.  | -                            | -       | -        | Remove      | -                     |
| 130        | G    | Ash, oak, silver birch,<br>sweet chestnut,<br>hornbeam, hawthorn           | 680 | EM           | В                   | Old chestnut<br>coppice stools with<br>larger oak trees.                   | -                            | -       | -        | Remove      | -                     |
| 134        | G    | Oak, ash, hawthorn, elm                                                    | 550 | EM           | В                   | Field boundary<br>group. Mostly SM<br>elm and hawthorn<br>with one EM ash. | -                            | -       | 1972-001 | Part remove | -                     |
| 135        | G    | Elm, hawthorn, ash                                                         | 300 | SM           | В                   | Field boundary group. Prolific ivy.                                        | -                            | -       | 1972-001 | Part remove | -                     |

| Tree<br>ID | Туре | Species                       |     | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                                          | Ancient /<br>veteran<br>tree | ATI ref | ТРО      | Impact      | Buffer<br>zone<br>(m) |
|------------|------|-------------------------------|-----|--------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|----------|-------------|-----------------------|
| 137        | G    | Oak, ash, hornbeam            | 700 | Μ            | В                   | Woodland edge<br>with mature oaks<br>and younger ash.<br>hornbeam and<br>beech. Prolific ivy.<br>Standing dead.<br>Major deadwood.<br>Fractures.<br>Canopy/stem<br>cavities. Managed. | -                            | -       | 1972-001 | Part remove | -                     |
| 138        | G    | Oak, ash, sweet chestnut      | 650 | EM           | В                   | Some stems with<br>ivy. Restricted<br>access. Minor<br>deadwood.                                                                                                                      | -                            | -       | -        | Retain      | -                     |
| 139        | G    | Scots pine, Norway<br>maple   | 500 | EM           | В                   | Minor deadwood.                                                                                                                                                                       | -                            | -       | -        | Remove      | -                     |
| 140        | G    | White willow                  | 580 | EM           | В                   | Prolific ivy and deadwood in mid-canopy.                                                                                                                                              | -                            | -       | -        | Retain      | -                     |
| 141        | G    | Norway maple                  | 470 | EM           | В                   | Minor deadwood.                                                                                                                                                                       | -                            | -       | -        | Part remove | -                     |
| 142        | G    | Norway maple, Scots pine      | 490 | EM           | В                   | Minor deadwood.                                                                                                                                                                       | -                            | -       | -        | Part remove | -                     |
| 144        | G    | Silver birch, Norway<br>maple | 530 | EM           | В                   | Minor deadwood.                                                                                                                                                                       | -                            | -       | -        | Remove      | -                     |

| Tree<br>ID | Туре | Species                                                        | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                | Ancient /<br>veteran<br>tree | ATI ref | ТРО      | Impact      | Buffer<br>zone<br>(m) |
|------------|------|----------------------------------------------------------------|-------------|--------------|---------------------|-------------------------------------------------------------------------------------------------------------|------------------------------|---------|----------|-------------|-----------------------|
| 146        | G    | Oak, sweet chestnut,<br>silver birch, sycamore,<br>spruce, ash | 1300        | ОМ           | A                   | Unmanaged<br>woodland with<br>large trees<br>containing<br>deadwood.<br>Leaning trees with<br>stem failure. | -                            | -       | -        | Remove      | -                     |
| 150        | G    | Willow, alder                                                  | 350         | SM           | С                   | -                                                                                                           | -                            | -       | -        | Retain      | -                     |
| 160        | G    | Sweet chestnut, silver<br>birch, oak, willow                   | 350         | SM           | С                   | Understorey and natural regeneration.                                                                       | -                            | -       | 1972-001 | Retain      | -                     |
| 173        | G    | Sweet chestnut                                                 | 460         | EM           | В                   | Occasional dead stem.                                                                                       | -                            | -       | -        | Retain      | -                     |
| 177        | G    | Sweet chestnut                                                 | 750         | М            | В                   | Upper crown<br>dieback. Bat roost<br>features.                                                              | -                            | -       | -        | Retain      | -                     |
| 178        | G    | Sweet chestnut                                                 | 800         | М            | В                   | Historic storm<br>damage. Bat roost<br>features.                                                            | -                            | -       | -        | Retain      | -                     |
| 185        | G    | Hornbeam, hazel, oak,<br>silver birch                          | 970         | М            | A                   | Mainly hornbeam<br>woodland with<br>mature and early<br>mature trees.                                       | -                            | -       | 1972-001 | Part remove | -                     |
| 186        | G    | Oak, silver birch,<br>hornbeam                                 | 320         | EM           | В                   | Minor deadwood.<br>Group extends to<br>fence line.                                                          | -                            | -       | -        | Part remove | -                     |

| Tree<br>ID | Туре | Species                                                     | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                    | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|-------------------------------------------------------------|-------------|--------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 187        | G    | Oak, hornbeam, silver<br>birch, sweet chestnut              | 280         | SM           | В                   | Unmanaged roadside planting.                                                                                                                    | -                            | -       | -   | Remove      | -                     |
| 188        | G    | Hornbeam, silver birch,<br>oak, sweet chestnut,<br>hawthorn | 380         | EM           | В                   | Roadside trees.<br>Previously thinned<br>with minor<br>deadwood.                                                                                | -                            | -       | -   | Part remove | -                     |
| 189        | G    | Oak, ash, field maple,<br>silver birch, hawthorn            | 550         | EM           | В                   | Viewed from distance.                                                                                                                           | -                            | -       | -   | Remove      | -                     |
| 190        | G    | Ash, hawthorn, hazel,<br>silver birch, oak, field<br>maple  | 700         | EM           | В                   | Viewed from distance.                                                                                                                           | -                            | -       | -   | Remove      | -                     |
| 191        | G    | Ash, oak, hornbeam                                          | 120         | Y            | В                   | Highways planting.                                                                                                                              | -                            | -       | -   | Part remove | -                     |
| 192        | G    | Sweet chestnut, oak,<br>silver birch                        | 940         | М            | В                   | Mainly chestnut<br>coppice of 230mm<br>diameter with large<br>chestnut and oak.                                                                 | -                            | -       | -   | Retain      | -                     |
| 194        | G    | Sweet chestnut, oak,<br>silver birch                        | 750         | М            | В                   | AW area of sweet<br>chestnut coppice<br>and silver birch<br>with average DBH<br>of 250mm.<br>Standing mature<br>sweet chestnut.<br>ash and oak. | -                            | -       | -   | Part remove | -                     |
| 204        | G    | Ash field maple                                             | 200         | SM           | С                   | -                                                                                                                                               | -                            | -       | -   | Remove      | -                     |
| 205        | G    | Cherry ash silver birch field maple                         | 200         | SM           | С                   | -                                                                                                                                               | -                            | -       | -   | Retain      | -                     |

| Tree<br>ID | Туре | Species                                 | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                   | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|-----------------------------------------|-------------|--------------|---------------------|--------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 206        | G    | Cherry ash                              | 300         | SM           | С                   | -                              | -                            | -       | -   | Retain | -                     |
| 209        | G    | Ash                                     | 120         | Y            | С                   | -                              | -                            | -       | -   | Retain | -                     |
| 210        | G    | Field maple, ash, silver birch, cherry, | 210         | SM           | С                   | -                              | -                            | -       | -   | Remove | -                     |
| 211        | G    | Ash                                     | 350         | SM           | В                   | -                              | -                            | -       | -   | Remove | -                     |
| 213        | G    | Ash, silver birch                       | 150         | SM           | С                   | -                              | -                            | -       | -   | Remove | -                     |
| 214        | G    | Cherry                                  | 260         | EM           | В                   | -                              | -                            | -       | -   | Remove | -                     |
| 236        | G    | Oak, sweet chestnut                     | 200         | SM           | С                   | -                              | -                            | -       | -   | Retain | -                     |
| 239        | G    | Hybrid black poplar                     | 500         | EM           | С                   | -                              | -                            | -       | -   | Retain | -                     |
| 240        | G    | Leyland cypress                         | 250         | SM           | С                   | Offsite.                       | -                            | -       | -   | Retain | -                     |
| 247        | G    | Sweet chestnut, cherry, field maple     | 200         | SM           | С                   | -                              | -                            | -       | -   | Retain | -                     |
| 248        | G    | Sweet chestnut, ash                     | 450         | EM           | В                   | -                              | -                            | -       | -   | Retain | -                     |
| 249        | G    | Oak                                     | 200         | SM           | С                   | Crowns reduced beneath cables. | -                            | -       | -   | Retain | -                     |
| 251        | G    | Oak, beech                              | 1000        | М            | В                   | -                              | -                            | -       | -   | Retain | -                     |
| 252        | G    | Hawthorn, oak, elder                    | 300         | EM           | В                   | Gaps at southern end.          | -                            | -       | -   | Retain | -                     |
| 253        | G    | Leyland cypress, oak, hawthorn          | 350         | SM           | В                   | -                              | -                            | -       | -   | Retain | -                     |
| 273        | G    | Lime, Swedish<br>whitebeam              | 180         | SM           | С                   | -                              | -                            | -       | -   | Retain | -                     |

| Tree<br>ID | Туре | Species                                                                                                         | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                 | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|-----------------------------------------------------------------------------------------------------------------|-------------|--------------|---------------------|----------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 274        | G    | Cherry, hazel, ash,<br>hawthorn, Scots pine,<br>field maple, oak, holly,<br>blackthorn, silver birch,<br>poplar | 200         | SM           | В                   | -                                            | -                            | -       | -   | Retain      | -                     |
| 275        | G    | Oak, sweet chestnut,<br>beech, hawthorn, elder                                                                  | 400         | EM           | В                   | -                                            | -                            | -       | -   | Retain      | -                     |
| 276        | G    | Ash                                                                                                             | 600         | EM           | В                   | Minor deadwood<br>and bark damage<br>wounds. | -                            | -       | -   | Part remove | -                     |
| 277        | G    | Oak, holly, field maple,<br>silver birch, hawthorn,<br>ash, goat willow, hazel,<br>sweet chestnut               | 220         | SM           | В                   | Amenity planting between footpath and field. | -                            | -       | -   | Part remove | -                     |
| 278        | G    | Oak, holly, field maple,<br>silver birch, hawthorn,<br>ash, goat willow, hazel                                  | 220         | SM           | В                   | Screen planting on roadside bank.            | -                            | -       | -   | Part remove | -                     |
| 279        | G    | Oak, birch, ash, goat<br>willow, hawthorn, hazel,<br>sycamore                                                   | 380         | SM           | В                   | Highways planting block. No access.          | -                            | -       | -   | Part remove | -                     |
| 280        | G    | Ash, oak, birch, hawthorn,<br>hazel                                                                             | 250         | SM           | В                   | Highways planting.                           | -                            | -       | -   | Part remove | -                     |
| 281        | G    | Oak, ash, hawthorn,<br>hazel, field maple                                                                       | 230         | SM           | В                   | Highways planting plot.                      | -                            | -       | -   | Part remove | -                     |
| 282        | G    | Silver birch, ash, oak,<br>sycamore, hawthorn,<br>holly, field maple                                            | 230         | SM           | В                   | Highways planting block.                     | -                            | -       | -   | Part remove | -                     |

| Tree<br>ID | Туре | Species                                                                       |     | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                                                                                                     | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|-------------------------------------------------------------------------------|-----|--------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 283        | G    | Goat willow, sycamore,<br>birch, ash, hazel,<br>hawthorn, oak, field<br>maple | 220 | SM           | В                   | No access.<br>Highways planting.                                                                                                                                                                                                                 | -                            | -       | -   | Part remove | -                     |
| 284        | G    | Hawthorn, elm                                                                 | 180 | EM           | С                   | Flailed field<br>boundary. Prolific<br>ivy. Some gaps.                                                                                                                                                                                           | -                            | -       | -   | Part remove | -                     |
| 285        | G    | Ash                                                                           | 650 | Μ            | С                   | Next to metal<br>fence. Occluding<br>around fence.<br>Dieback over the<br>track. Moderate<br>deadwood. Tree to<br>east has prolific<br>water shoots<br>throughout crown.<br>Large stem cavity<br>to south with<br>advanced decay<br>and bulging. | -                            | -       | -   | Retain      | -                     |
| 286        | G    | Oak, hawthorn, ash                                                            | 510 | EM           | В                   | Two mature<br>hawthorn with EM<br>oak and ash.<br>Minor deadwood.<br>Stem cavities.                                                                                                                                                              | -                            | -       | -   | Retain      | -                     |

| Tree<br>ID | Туре | Species             | DBH<br>(mm) |    | BS 5837<br>category | Observations                                                                                                                                                                                               | Ancient /<br>veteran<br>tree | ATI ref | ТРО      | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------------------|-------------|----|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|----------|--------|-----------------------|
| 287        | G    | Mulberry            | 320         | EM | С                   | Next to access<br>track. Multi-<br>stemmed larger<br>tree to west (six<br>stems average<br>210mm).                                                                                                         | -                            | -       | 1972-001 | Retain | -                     |
| 295        | G    | Oak                 | 810         | М  | В                   | Two trees within<br>marsh like<br>depression<br>separate from<br>woodland edge.<br>Oak to north<br>largest with squat<br>form and<br>congested crown<br>break at 1.5m.<br>Minor deadwood.<br>Water shoots. | -                            | -       | -        | Retain | -                     |
| 296        | G    | Oak, sweet chestnut | 320         | EM | С                   | Field edge group.                                                                                                                                                                                          | -                            | -       | -        | Retain | -                     |

| Tree<br>ID | Туре | Species                                                    |     | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                                                                                                                        | Ancient /<br>veteran<br>tree | ATI ref | ТРО      | Impact | Buffer<br>zone<br>(m) |
|------------|------|------------------------------------------------------------|-----|--------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|----------|--------|-----------------------|
| 299        | G    | Sweet chestnut, ash,<br>hazel, field maple, elm,<br>cherry | 670 | EM           | В                   | Mostly lapsed<br>coppice of<br>chestnut and ash.<br>Fallen stems.<br>Stem cavities.<br>Major deadwood.<br>Occasional mature<br>oak standards and<br>mature ash<br>coppice. Elm<br>regeneration<br>present at western<br>end interspersed<br>with shrub<br>planting. | -                            | -       | 1972-001 | Retain | -                     |
| 300        | G    | Field maple, haw, ash,<br>cherry                           | 350 | EM           | В                   | Mostly hawthorn<br>and field maple.<br>Some oak and ash<br>at 450mm<br>diameter. Mature<br>field maple present<br>and cherry at<br>western end.                                                                                                                     | -                            | -       | 1972-001 | Retain | -                     |
| 302        | G    | Hazel, hawthorn, oak,<br>field maple,                      | 350 | EM           | В                   | Mostly hazel<br>coppice. Prolific<br>ivy.                                                                                                                                                                                                                           | -                            | -       | 1972-001 | Retain | -                     |

| Tree<br>ID | Туре | Species                                                                                 | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                             | Ancient /<br>veteran<br>tree | ATI ref | ТРО      | Impact | Buffer<br>zone<br>(m) |
|------------|------|-----------------------------------------------------------------------------------------|-------------|--------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|----------|--------|-----------------------|
| 304        |      | Sweet chestnut, oak,<br>hazel, ash, cherry, birch,                                      | 450         | М            | В                   | Sweet chestnut<br>coppice. With<br>older sweet<br>chestnut and oak<br>to southern end.<br>Some mature<br>stools. Occasional<br>hazel coppice and<br>wild cherry.         | -                            | -       | 1972-001 | Retain | -                     |
| 305        |      | Field maple, hazel, oak,<br>ash, hawthorn,                                              | 550         | М            | В                   | Linear roadside<br>group. Mostly field<br>maple. On cutting<br>face. Basal decay.<br>Exposed roots.                                                                      | -                            | -       | 1972-001 | Retain | -                     |
| 306        |      | Ash, hazel, ash, elm,<br>cherry,                                                        | 650         | EM           | В                   | Mostly lapsed ash<br>coppice at eastern<br>end. Fallen stems.<br>Dieback. Standing<br>dead. Ash canker.<br>Prolific ivy. Stem<br>and canopy<br>cavities. Basal<br>decay. | -                            | -       | 1972-001 | Retain | -                     |
| 307        |      | Lombardy poplar, oak,<br>sweet chestnut, field<br>maple, birch, hazel,<br>hawthorn, elm | 430         | М            | В                   | Linear boundary<br>trees on cutting<br>face. Exposed<br>roots. Basal<br>decay. Prolific ivy.<br>Moderate<br>deadwood.                                                    | -                            | -       | 1972-001 | Retain | -                     |

| Tree<br>ID | Туре | Species            | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                     | Ancient /<br>veteran<br>tree | ATI ref | ТРО      | Impact      | Buffer<br>zone<br>(m) |
|------------|------|--------------------|-------------|--------------|---------------------|------------------------------------------------------------------------------------------------------------------|------------------------------|---------|----------|-------------|-----------------------|
| 308        | G    | Hybrid poplar      | 700         | Μ            | В                   | Linear group of<br>poplar along edge<br>of woodland on top<br>of cutting. Some<br>leaning stems. Ivy<br>present. | -                            | -       | 1972-001 | Retain      | -                     |
| 309        | G    | Oak                | 360         | EM           | В                   | Along field<br>boundary. Minor<br>deadwood.                                                                      | -                            | -       | 1972-001 | Part remove | -                     |
| 312        | G    | Oak                | 1200        | М            | A                   | Viewed from<br>distance. Access<br>needed to verify.                                                             | Veteran<br>(potential)       | -       | -        | Retain      | 18.0                  |
| 318        | G    | Oak                | 680         | EM           | В                   | One stem with ivy.<br>Minor deadwood<br>and phone line<br>through canopies.                                      | -                            | -       | -        | Retain      | -                     |
| 325        | G    | Hybrid poplar, oak | 800         | Μ            | В                   | Some ivy with<br>multi-stemmed<br>trees and minor<br>deadwood.                                                   | -                            | -       | -        | Remove      | -                     |

| Tree<br>ID | Туре | Species                   | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                                                                                                                                                              | Ancient /<br>veteran<br>tree | ATI ref | ТРО         | Impact      | Buffer<br>zone<br>(m) |
|------------|------|---------------------------|-------------|--------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-------------|-------------|-----------------------|
| 326        | G    | Ash, hawthorn, hazel, oak | 800         | Μ            | В                   | Field boundary line<br>of mature ash with<br>hawthorn and<br>elder understory.<br>Trees also to north<br>on bank of<br>watercourse.<br>Prolific ivy. Major<br>deadwood.<br>Standing dead<br>stems.<br>Management<br>evident and power<br>lie clearance.<br>Stem and canopy<br>cavities. Fungi<br>present. | -                            | -       | 28/<br>1991 | Part remove |                       |
| 327        | G    | Crack willow              | 1200        | Μ            | В                   | Line of willow.<br>Leaning stems.<br>Moderate<br>deadwood. Ivy-<br>clad stems. On<br>bank. No safe<br>access. Stem and<br>canopy cavities.                                                                                                                                                                | -                            | -       | -           | Part remove | -                     |

| Tree<br>ID | Туре | Species                              | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                         | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|--------------------------------------|-------------|--------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 328        | G    | Crack willow, oak                    | 1200        | ОМ           | В                   | Line of trees along<br>water course.<br>Multi-stemmed<br>willow. Moderate<br>deadwood. Stem<br>cavities. Oak with<br>dieback in canopy.<br>Snap out. | -                            | -       | -   | Remove      | -                     |
| 329        | G    | Poplar, crack willow, ash,<br>oak    | 1080        | ОМ           | В                   | Copse of poplar<br>and ash. Some<br>standing dead.<br>Collapsed stems.<br>Stem cavities.<br>Canopy cavities.<br><i>Inonotus</i> present<br>by ash.   | -                            | -       | -   | Remove      | -                     |
| 332        | G    | Oak , field maple ,<br>hawthorn, elm | 450         | EM           | С                   | Dead and dying<br>elms at northern<br>end.                                                                                                           | -                            | -       | -   | Retain      | -                     |
| 333        | G    | Elm, field maple, oak,<br>hazel      | 470         | EM           | С                   | Mostly elm<br>regeneration with<br>dieback and<br>standing dead. SM<br>hazel and elm with<br>one EM oak.                                             |                              | -       | -   | Part remove | -                     |

| Tree<br>ID | Туре | Species                  | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                        | Ancient /<br>veteran<br>tree | ATI ref | ТРО         | Impact      | Buffer<br>zone<br>(m) |
|------------|------|--------------------------|-------------|--------------|---------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-------------|-------------|-----------------------|
| 334        | G    | Elm, hawthorn            | 230         | SM           | U                   | Mostly dead or<br>severely declining<br>SM elm. Some<br>functioning<br>hawthorn within<br>group. Ivy<br>throughout. | -                            | -       | -           | Remove      | -                     |
| 335        | G    | Elm                      | 150         | SM           | U                   | Declining elms on lane bank.                                                                                        | -                            | -       | -           | Part remove | -                     |
| 336        | G    | Elm, elder, crack willow | 200         | SM           | С                   | Clump of trees in<br>waterlogged<br>depression. Dead<br>elm. Prolific ivy.<br>Thick bramble. No<br>access.          | -                            | -       | -           | Remove      | -                     |
| 337        | G    | Elm, elder               | 180         | SM           | U                   | Prolific ivy. Mostly dead elm.                                                                                      | -                            | -       | 07/<br>1990 | Remove      | -                     |
| 338        | G    | Elm, oak                 | 150         | SM           | U                   | Overgrown. No<br>access. Dead and<br>declining elms. Ivy<br>throughout. One<br>functioning oak<br>SM.               | -                            | -       | -           | Remove      | -                     |
| 339        | G    | Oak, elm                 | 200         | SM           | U                   | Elm regeneration.<br>Prolific ivy. Dead<br>and declining<br>elms.                                                   | -                            | -       | 07/<br>1990 | Remove      | -                     |

| Tree<br>ID | Туре | Species                                   | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                | Ancient /<br>veteran<br>tree | ATI ref | ТРО         | Impact | Buffer<br>zone<br>(m) |
|------------|------|-------------------------------------------|-------------|--------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-------------|--------|-----------------------|
| 343        | G    | Field maple, oak, elm,<br>hawthorn        | 640         | М            | В                   | Located on bank<br>and young<br>plantation area<br>near quarry.                                                             | -                            | -       | 07/<br>1990 | Remove | -                     |
| 344        | G    | Oak, field maple,<br>hawthorn, hazel      | 600         | М            | В                   | Located on<br>embankment with<br>stem cavities and<br>minor deadwood.                                                       | -                            | -       | -           | Remove | -                     |
| 345        | G    | Weeping ash, lime, yew,<br>laurel, cherry | 1100        | ОМ           | В                   | Restricted access.<br>Large <i>Ganoderma</i><br>brackets observed<br>on trunk of lime<br>tree near road.<br>Minor deadwood. | -                            | -       | 12/<br>2010 | Retain | -                     |
| 349        | G    | Oak, sycamore                             | 550         | EM           | В                   | Group bisected by<br>fairway and<br>northern section<br>part-felled to clear<br>pylons.                                     | -                            | -       | -           | Retain | -                     |
| 350        | G    | Oak, hawthorn                             | 380         | EM           | В                   | -                                                                                                                           | -                            | -       | -           | Retain | -                     |
| 351        | G    | Oak, cherry                               | 700         | EM           | В                   | Group dominated<br>by oak with a few<br>cherry. Stem<br>bleeds observed<br>on one oak.                                      | -                            | -       | -           | Retain | -                     |

| Tree<br>ID | Туре | Species                                                                               | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                    | Ancient /<br>veteran<br>tree | ATI ref | ТРО         | Impact      | Buffer<br>zone<br>(m) |
|------------|------|---------------------------------------------------------------------------------------|-------------|--------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-------------|-------------|-----------------------|
| 352        | G    | Oak                                                                                   | 660         | EM           | В                   | Potentially low<br>branches over<br>track for high-<br>sided vehicles or<br>plant.                                                                              | -                            | -       | -           | Retain      | -                     |
| 353        | G    | Ash, oak, field maple                                                                 | 570         | EM           | В                   | Scattered linear<br>group. Historic<br>storm damage. Bat<br>roost features.                                                                                     | -                            | -       | 07/<br>1990 | Retain      | -                     |
| 354        | G    | Oak, ash, cherry,<br>blackthorn, hawthorn,<br>sycamore, elm hornbeam,<br>field maple. | 550         | М            | В                   | Mature hornbeam<br>coppice and<br>cherry. EM oak<br>standards with<br>younger in fill<br>planting. Pheasant<br>pen present.<br>Fallen stems.<br>Major deadwood. | -                            | -       | -           | Remove      | -                     |
| 359        | G    | White willow                                                                          | 800         | M            | В                   | Limb failures.<br>Storm damage.<br>Dieback in canopy.<br>Large stem<br>cavities. Moderate<br>deadwood.                                                          | -                            | -       | -           | Remove      | -                     |
| 365        | G    | Oak, hawthorn                                                                         | 650         | EM           | В                   | No access. Even<br>aged woodland<br>plot. Hawthorn<br>edge.                                                                                                     | -                            | -       | -           | Part remove | -                     |

| Tree<br>ID | Туре | Species                              | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                             | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|--------------------------------------|-------------|--------------|---------------------|------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 369        | G    | Hawthorn                             | 280         | SM           | С                   | Flailed. Moderate deadwood.                                                              | -                            | -       | -   | Remove | -                     |
| 371        | G    | Field maple, hawthorn, oak           | 390         | SM           | С                   | Flailed to 4m.<br>Minor deadwood.                                                        | -                            | -       | -   | Remove | -                     |
| 374        | G    | Hawthorn                             | 210         | SM           | С                   | Flailed. Dieback.<br>Stem cavities.                                                      | -                            | -       | -   | Remove | -                     |
| 375        | G    | Hawthorn                             | 120         | SM           | С                   | Prolific ivy. Flailed<br>to west. One oak<br>by pond.                                    | -                            | -       | -   | Remove | -                     |
| 376        | G    | Hawthorn, oak                        | 650         | EM           | В                   | Minor deadwood.<br>Some trees within<br>standing water.<br>Prolific ivy in<br>hawthorns. | -                            | -       | -   | Remove | -                     |
| 377        | G    | Hawthorn, oak                        | 250         | SM           | С                   | Sporadic flailed<br>hedge. Prolific ivy.<br>Dead stems.<br>Dieback.                      | -                            | -       | -   | Retain | -                     |
| 378        | G    | Ash, field maple,<br>hawthorn, elder | 150         | SM           | С                   | Part maintained<br>hedge with<br>scattered trees.                                        | -                            | -       | -   | Remove | -                     |
| 379        | G    | Field maple, ash, oak                | 520         | SM           | С                   | Some multi-<br>stemmed. Field<br>boundary remnant.                                       | -                            | -       | -   | Remove | -                     |
| 380        | G    | Oak                                  | 350         | EM           | С                   | Unable to fully inspect due to ivy.                                                      | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species                                    | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                              | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|--------------------------------------------|-------------|--------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 381        | G    | Lombardy poplar, hybrid<br>black poplar    | 551         | EM           | С                   | Occasional branch fracture: historic storm damage.                                                                                                        | -                            | -       | -   | Remove | -                     |
| 382        | G    | Elm, field maple,<br>hawthorn              | 100         | EM           | С                   | Maintained hedge.                                                                                                                                         | -                            | -       | -   | Remove | -                     |
| 383        | G    | Leyland cypress, yew,<br>maple, holly, elm | 430         | EM           | В                   | Screening for property.                                                                                                                                   | -                            | -       | -   | Remove | -                     |
| 384        | G    | Silver birch, Leyland cypress              | 450         | EM           | В                   |                                                                                                                                                           | -                            | -       | -   | Retain | -                     |
| 386        | G    | Elm                                        | 140         | Y            | С                   | Field boundary.<br>Dieback and dead<br>present.                                                                                                           | -                            | -       | -   | Remove | -                     |
| 388        | G    | Ash                                        | 360         | EM           | С                   | Historically<br>pollarded at 1.5m<br>with secondary<br>reduction points at<br>4m.                                                                         | -                            | -       | -   | Retain | -                     |
| 390        | G    | Sycamore                                   | 460         | EM           | С                   | Central two trees<br>affected by sooty<br>bark disease. Of<br>which the southern<br>tree is dead. With<br><i>Ganoderma</i><br>fruiting bodies at<br>base. | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species                | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                                                                                               | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|------------------------|-------------|--------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 391        | G    | Sycamore, field maple, | 300         | EM           | С                   | Scattered<br>sycamore with<br>field maple<br>understorey.<br>Occasional one<br>left to grow on.<br>One sycamore in<br>centre with old<br>bark wounds and<br>fungal fruiting<br>bodies. Possibly<br><i>Flammulina</i><br><i>velutipes</i> . | -                            | -       | -   | Remove      | -                     |
| 392        | G    | Elm                    | 120         | SM           | U                   | Dead. Dutch elm disease.                                                                                                                                                                                                                   | -                            | -       | -   | Remove      | -                     |
| 393        | G    | Elm                    | 150         | SM           | U                   | Dead. Dutch elm disease.                                                                                                                                                                                                                   | -                            | -       | -   | Remove      | -                     |
| 394        | G    | Lime                   | 520         | EM           | В                   | Avenue planting.<br>Some<br>replacements.<br>Viewed from<br>distance.                                                                                                                                                                      | -                            | -       | -   | Part remove | -                     |
| 395        | G    | Lime                   | 500         | EM           | В                   | Avenue planting.<br>Some<br>replacements.<br>Viewed from<br>distance.                                                                                                                                                                      | -                            | -       | -   | Part remove | -                     |

| Tree<br>ID | Туре | Species                                        | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                            | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|------------------------------------------------|-------------|--------------|---------------------|-------------------------------------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 397        | G    | Elm                                            | 120         | SM           | U                   | Flailed hedge<br>remnant. Dutch<br>elm disease.                         | -                            | -       | -   | Remove      | -                     |
| 398        | G    | Elm, sycamore                                  | 110         | SM           | С                   | Previously topped.<br>Flailed.                                          | -                            | -       | -   | Retain      | -                     |
| 399        | G    | Elm                                            | 150         | Y            | С                   | Field boundary.                                                         | -                            | -       | -   | Part remove | -                     |
| 400        | G    | Elm, elder, sycamore,<br>hybrid poplar         | 230         | SM           | С                   | Field boundary.<br>Some dead elm.<br>Larger poplar. Ivy-<br>clad stems. | -                            | -       | -   | Part remove | -                     |
| 401        | G    | Elm, elder                                     | 130         | Y            | С                   | -                                                                       | -                            | -       | -   | Remove      | -                     |
| 402        | G    | Silver birch                                   | 170         | SM           | В                   | No access.                                                              | -                            | -       | -   | Remove      | -                     |
| 404        | G    | Eucalyptus, pine                               | 580         | EM           | В                   | Viewed from road.<br>Some multi-<br>stemmed.                            | -                            | -       | -   | Remove      | -                     |
| 406        | G    | Elm                                            | 100         | М            | С                   | Maintained hedge.                                                       | -                            | -       | -   | Remove      | -                     |
| 407        | G    | Elm                                            | 120         | М            | U                   | Dead/dying elms<br>from Dutch elm<br>disease.                           | -                            | -       | -   | Remove      | -                     |
| 408        | G    | Elm                                            | 120         | М            | U                   | Dead/dying elms<br>from Dutch elm<br>disease.                           | -                            | -       | -   | Remove      | -                     |
| 409        | G    | Oak, elm, hawthorn,<br>Scots pine, field maple | 250         | SM           | С                   | Scrubby linear<br>highways mix.                                         | -                            | -       | -   | Part remove | -                     |

| Tree<br>ID | Туре | Species                                 |     | Age<br>class | BS 5837<br>category | Observations                                                                                         | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|-----------------------------------------|-----|--------------|---------------------|------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 410        | G    | Elm, hawthorn, elder                    | 120 | М            | U                   | Dominated by<br>dead/dying elm.<br>Dutch elm<br>disease.                                             | -                            | -       | -   | Remove | -                     |
| 414        | G    | Damson                                  | 130 | EM           | В                   | Screening for<br>property. Prolific<br>ivy.                                                          | -                            | -       | -   | Remove | -                     |
| 415        | G    | Leyland cypress                         | 230 | SM           | В                   | No access.<br>Viewed from<br>distance.<br>Screening for<br>property.                                 | -                            | -       | -   | Remove | -                     |
| 416        | G    | Cherry                                  | 350 | М            | В                   | No access. Mature<br>cherry with<br>numerous suckers<br>from root system.<br>One other EM<br>cherry. | -                            | -       | -   | Remove | -                     |
| 417        | G    | Leyland cypress                         | 320 | EM           | В                   | Screening for<br>property. Viewed<br>from distance.                                                  | -                            | -       | -   | Remove | -                     |
| 418        | G    | Apple, oak                              | 210 | SM           | С                   | Highways. Ivy on apple.                                                                              | -                            | -       | -   | Remove | -                     |
| 419        | G    | Oak, Scots pine,<br>hawthorn            | 250 | SM           | С                   | Planted linear belt.                                                                                 | -                            | -       | -   | Remove | -                     |
| 421        | G    | Elm, hawthorn, goat<br>willow, laburnum | 170 | SM           | С                   | Highways. Heavy<br>undergrowth.<br>Dieback in elm.                                                   | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species                                                                 | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                            | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|-------------------------------------------------------------------------|-------------|--------------|---------------------|-------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 422        | G    | Cherry, Norway maple                                                    | 310         | SM           | С                   | Planted line.<br>Epicormic growth<br>on stems.                          | -                            | -       | -   | Remove | -                     |
| 423        | G    | Scots pine, hawthorn,<br>cherry, field maple                            | 270         | SM           | С                   | Scattered<br>browning foliage in<br>pines.                              | -                            | -       | -   | Remove | -                     |
| 425        | G    | Leyland cypress                                                         | 430         | EM           | В                   | Garden screen pruning.                                                  | -                            | -       | -   | Remove | -                     |
| 426        | G    | Leyland cypress                                                         | 400         | EM           | В                   | Garden screening.                                                       | -                            | -       | -   | Remove | -                     |
| 427        | G    | Hawthorn, elm, ash                                                      | 180         | SM           | С                   | Scrub like vegetation.                                                  | -                            | -       | -   | Remove | -                     |
| 428        | G    | Oak, ash, field maple, cherry                                           | 200         | SM           | С                   | Established<br>highways mix.                                            | -                            | -       | -   | Remove | -                     |
| 429        | G    | Field maple, oak, cherry                                                | 200         | SM           | С                   | Established<br>highways mix.                                            | -                            | -       | -   | Remove | -                     |
| 430        | G    | Hawthorn, field maple                                                   | 160         | SM           | С                   | Highways trees.                                                         | -                            | -       | -   | Remove | -                     |
| 432        | G    | Oak, ash, field maple,<br>cherry                                        | 300         | SM           | В                   | Established<br>planting on<br>highways<br>embankment.                   | -                            | -       | -   | Remove | -                     |
| 433        | G    | Scots pine, silver birch,<br>oak, ash, field maple,<br>cherry, hawthorn | 350         | SM           | В                   | Established linear<br>highways mix.<br>Several open<br>areas in centre. | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species               | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                    | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|-----------------------|-------------|--------------|---------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 436        | G    | Sycamore              | 500         | EM           | С                   | Some multi-<br>stemmed. Minor<br>dead wood.                                                                     | -                            | -       | -   | Remove | -                     |
| 438        | G    | Elm, elder            | 100         | М            | U                   | Dutch elm<br>disease.<br>Dead/dying elms<br>throughout group.                                                   | -                            | -       | -   | Remove | -                     |
| 439        | G    | Elm                   | 100         | М            | U                   | Dutch elm<br>disease.<br>Dead/dying elms<br>throughout.                                                         | -                            | -       | -   | Retain | -                     |
| 440        | G    | Field maple, hawthorn | 300         | SM           | С                   | Gappy linear<br>group.                                                                                          | -                            | -       | -   | Remove | -                     |
| 441        | G    | Elm, field maple      | 150         | SM           | U                   | Dutch elm<br>disease.<br>Dead/dying elms<br>throughout group.<br>Gappy towards<br>western end.                  | -                            | -       | -   | Remove | -                     |
| 442        | G    | Hawthorn              | 180         | М            | С                   | Maintained hedge.                                                                                               | -                            | -       | -   | Remove | -                     |
| 443        | G    | Elm                   | 150         | М            | U                   | Dutch elm<br>disease. Scattered<br>dead/dying trees<br>throughout group.<br>Some fallen trees.<br>Flail damage. | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species                                 | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                     | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|-----------------------------------------|-------------|--------------|---------------------|------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 445        | G    | Elm                                     | 150         | М            | U                   | Dutch elm<br>disease.<br>Dead/dying elms<br>throughout group.                                                    | -                            | -       | -   | Remove | -                     |
| 446        | G    | Elm, goat willow                        | 150         | EM           | U                   | Susceptible to<br>Dutch elm<br>disease.<br>Dominated by elm<br>with isolated small<br>group of willow<br>within. | -                            | -       | -   | Remove | -                     |
| 447        | G    | Elm                                     | 120         | EM           | U                   | Susceptible to<br>Dutch elm<br>disease.                                                                          | -                            | -       | -   | Remove | -                     |
| 449        | G    | Oak                                     | 630         | EM           | В                   | Minor deadwood.                                                                                                  | -                            | -       | -   | Retain | -                     |
| 455        | G    | Ash, field maple,<br>hawthorn, oak, elm | 210         | SM           | С                   | Some flail<br>management.<br>Sporadic in parts<br>with standing dead<br>elm.                                     | -                            | -       | -   | Retain | -                     |
| 458        | G    | Hawthorn, elm                           | 120         | EM           | С                   | Flailed hedge<br>dominated by<br>hawthorn.<br>Occasional dead<br>elm. Dutch elm<br>disease.                      | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species                                                       | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                   | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------------------------------------------------------------|-------------|--------------|---------------------|----------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 459        | G    | Oak, field maple, ash,<br>hawthorn, silver birch,<br>sycamore | 200         | SM           | В                   | Linear highways<br>mix. Dominated by<br>oak. Isolated<br>larger trees within<br>group.                         | -                            | -       | -   | Remove | -                     |
| 463        | G    | Norway maple, field<br>maple, cherry, oak                     | 300         | SM           | С                   | Established<br>highways planting                                                                               | -                            | -       | -   | Remove | -                     |
| 464        | G    | Hybrid black pine                                             | 270         | SM           | С                   | -                                                                                                              | -                            | -       | -   | Remove | -                     |
| 465        | G    | Scots pine, oak, cherry, field maple                          | 300         | SM           | В                   | Established<br>highways mix.                                                                                   | -                            | -       | -   | Retain | -                     |
| 466        | G    | Oak, ash, field maple,<br>black pine                          | 350         | SM           | С                   | No access.<br>Viewed from<br>distance.<br>Highways.                                                            | -                            | -       | -   | Remove | -                     |
| 467        | G    | Blackthorn, cherry, ash,<br>oak, hawthorn                     | 300         | SM           | С                   | Highways<br>screening.<br>Sporadic and<br>lower density. On<br>embankment. No<br>access.                       | -                            | -       | -   | Remove | -                     |
| 468        | G    | Elm, field maple                                              | 200         | SM           | С                   | Mostly elm to west<br>with standing dead<br>trees. Dutch elm<br>disease. No clear<br>view of trees to<br>east. |                              | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species                                                           |     | Age<br>class | BS 5837<br>category | Observations                                                                                                  | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|-------------------------------------------------------------------|-----|--------------|---------------------|---------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 469        | G    | Unknown                                                           | 220 | SM           | С                   | Viewed from distance. No access.                                                                              | -                            | -       | -   | Remove      | -                     |
| 473        | G    | Blackthorn, hawthorn, oak                                         | 400 | EM           | С                   | Drive-by survey.<br>Larger oak at east<br>end. Prolific ivy.<br>Mostly SM<br>blackthorn.                      | -                            | -       | -   | Remove      | -                     |
| 474        | G    | Hybrid black poplar                                               | 750 | М            | В                   | Drive-by survey.<br>Moderate<br>deadwood.                                                                     | -                            | -       | -   | Part remove | -                     |
| 475        | G    | Blackthorn, corkscrew<br>willow, laurel, hawthorn,<br>field maple | 180 | SM           | В                   | Drive-by survey.<br>Prolific ivy. Flailed.                                                                    | -                            | -       | -   | Remove      | -                     |
| 476        | G    | Leyland cypress                                                   | 350 | SM           | В                   | Line of screen<br>conifers. Flailed on<br>field side.                                                         | -                            | -       | -   | Remove      | -                     |
| 477        | G    | Blackthorn, field maple,<br>hawthorn, hazel, Scots<br>pine        | 250 | EM           | С                   | Two lines of<br>screen planting.<br>Younger field<br>maple below<br>power lines.<br>Flailed on field<br>side. | -                            | -       | -   | Remove      | -                     |

| Tree<br>ID | Туре | Species               | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                        | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|-----------------------|-------------|--------------|---------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 479        | G    | Hawthorn, field maple | 300         | SM           | С                   | Behind fence.<br>Flailed on<br>roadside. Ivy<br>present. Minor<br>deadwood.                                         | -                            | -       | -   | Remove | -                     |
| 480        | G    | Leyland cypress       | 250         | SM           | В                   | Boundary trees<br>providing<br>screening for<br>property. Flailed<br>on roadside up to<br>3m. Previously<br>topped. | -                            | -       | -   | Remove | -                     |
| 481        | G    | Willow                | 380         | SM           | В                   | No access.<br>Blackthorn hedge<br>preventing view.                                                                  | -                            | -       | -   | Remove | -                     |
| 482        | G    | Lawsons cypress       | 400         | EM           | В                   | No access.<br>Viewed from<br>distance.                                                                              | -                            | -       | -   | Remove | -                     |
| 484        | G    | Elm                   | 260         | М            | U                   | Three dead trees:<br>Dutch elm<br>disease.                                                                          | -                            | -       | -   | Remove | -                     |
| 485        | G    | Elm                   | 460         | М            | U                   | Two easternmost<br>trees dead: Dutch<br>elm disease.<br>Largest stem<br>diameter recorded.                          | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species                            |     | Age<br>class | BS 5837<br>category | Observations                                                                                                                       | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|------------------------------------|-----|--------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 492        | G    | White willow                       | 500 | EM           | С                   | Growing from<br>ditch. Minor dead<br>wood. Basal<br>wound on<br>easternmost tree.<br>Partial occlusion.<br>Stem pruning<br>wounds. | -                            | -       | -   | Remove | -                     |
| 493        | G    | Oak                                | 450 | SM           | В                   | -                                                                                                                                  | -                            | -       | -   | Remove | -                     |
| 494        | G    | Oak, field maple                   | 420 | SM           | В                   | -                                                                                                                                  | -                            | -       | -   | Remove | -                     |
| 496        | G    | Oak                                | 350 | SM           | С                   | Southernmost tree coppiced with twisting stems.                                                                                    | -                            | -       | -   | Remove | -                     |
| 500        |      | Hawthorn, field maple,<br>ash, elm | 300 | SM           | С                   | Maintained<br>sections of<br>hawthorn and elm<br>with occasional<br>larger trees. Some<br>elm dieback:<br>Dutch elm<br>disease.    | -                            | -       | -   | Remove | -                     |
| 501        | G    | Oak                                | 750 | EM           | В                   | Unable to fully<br>inspect due to ivy.<br>Largest stem<br>diameter recorded.                                                       | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species                                      | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                              | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|----------------------------------------------|-------------|--------------|---------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 504        | G    | Ash                                          | 360         | SM           | С                   | Westernmost tree<br>with large basal<br>wound and<br>associated decay<br>on northern side.                                | -                            | -       | -   | Remove | -                     |
| 507        | G    | Field maple, hornbeam, cherry plum, hawthorn | 310         | SM           | С                   | Flail damage on southern side.                                                                                            | -                            | -       | -   | Remove | -                     |
| 510        | G    | Hawthorn, field maple,<br>oak, hornbeam      | 250         | SM           | С                   | Unable to fully inspect due to ivy.                                                                                       | -                            | -       | -   | Remove | -                     |
| 511        | G    | Oak, ash, hornbeam                           | 220         | SM           | С                   | Planted line.                                                                                                             | -                            | -       | -   | Remove | -                     |
| 512        | G    | White willow                                 | 390         | EM           | С                   | -                                                                                                                         | -                            | -       | -   | Remove | -                     |
| 513        | G    | White willow                                 | 530         | EM           | С                   | Upper crown<br>dieback in central<br>tree. Minor dead<br>wood in others.<br>Epicormic growth<br>on stems from<br>pruning. | -                            | -       | -   | Remove | -                     |
| 519        | G    | Elm                                          | 200         | М            | U                   | Taller trees dead:<br>Dutch elm<br>disease.                                                                               | -                            | -       | -   | Remove | -                     |
| 520        | G    | Cricket bat willow                           | 170         | SM           | С                   | -                                                                                                                         | -                            | -       | -   | Remove | -                     |
| 522        | G    | Cricket bat willow, ash,<br>oak              | 130         | SM           | С                   | Line of planted<br>willows with self-<br>set other species.                                                               | -                            | -       | -   | Retain | -                     |

| Tree<br>ID | Туре | Species                                 | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                              | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|-----------------------------------------|-------------|--------------|---------------------|-----------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 523        | G    | Orchard apple                           | 250         | EM           | С                   | Unable to fully<br>inspect due to<br>fence. Probable<br>orchard remnant.<br>Stem wounds.                  | -                            | -       | -   | Retain      | -                     |
| 524        | G    | Oak                                     | 600         | EM           | В                   | One dead oak at northern end.                                                                             | -                            | -       | -   | Retain      | -                     |
| 528        | G    | Blackthorn                              | 100         | SM           | С                   | Suckering group<br>on sloping dyke<br>bank.                                                               | -                            | -       | -   | Retain      | -                     |
| 529        | G    | Oak, apple, field maple,<br>poplar      | 270         | SM           | В                   | Linear plantation<br>viewed from<br>opposite bank.<br>Section pollarded<br>beneath electricity<br>pylons. | -                            | -       | -   | Part remove | -                     |
| 530        | G    | Goat willow, hawthorn                   | 200         | SM           | С                   | -                                                                                                         | -                            | -       | -   | Retain      | -                     |
| 533        | G    | Goat willow                             | 300         | EM           | С                   | Stems submerged in dyke.                                                                                  | -                            | -       | -   | Remove      | -                     |
| 534        | G    | Goat willow                             | 250         | SM           | С                   | Stems submerged in dyke.                                                                                  | -                            | -       | -   | Remove      | -                     |
| 535        | G    | Hawthorn, goat willow, ash, field maple | 150         | SM           | С                   | -                                                                                                         | -                            | -       | -   | Retain      | -                     |
| 536        | G    | Oak, ash, field maple                   | 250         | SM           | В                   | Linear plantation<br>viewed from<br>opposite bank.                                                        | -                            | -       | -   | Retain      | -                     |

| Tree<br>ID | Туре | Species                                              | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                  | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|------------------------------------------------------|-------------|--------------|---------------------|---------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 537        | G    | Ash, field maple, oak                                | 300         | SM           | В                   | Linear plantation<br>viewed from<br>opposite bank.                                                            | -                            | -       | -   | Part remove | -                     |
| 538        | G    | Ash, field maple, oak,<br>white willow, white poplar | 400         | SM           | В                   | Linear plantation<br>viewed from<br>opposite bank.                                                            | -                            | -       | -   | Remove      | -                     |
| 540        | G    | Hawthorn                                             | 350         | EM           | С                   | -                                                                                                             | -                            | -       | -   | Retain      | -                     |
| 548        | G    | Hawthorn, blackthorn                                 | 200         | EM           | С                   | Maintained hedges<br>along both sides of<br>deep ditch. Flail<br>damage. Western<br>end of hedge<br>recorded. |                              | -       | -   | Retain      | -                     |
| 549        | G    | Ash, field maple, oak,<br>crack willow               | 350         | SM           | В                   | Linear plantation<br>viewed from<br>opposite bank.                                                            | -                            | -       | -   | Retain      | -                     |
| 550        | G    | Hawthorn                                             | 120         | SM           | С                   | -                                                                                                             | -                            | -       | -   | Retain      | -                     |
| 551        | G    | Blackthorn, hawthorn                                 | 100         | SM           | С                   | -                                                                                                             | -                            | -       | -   | Retain      | -                     |
| 552        | G    | Field maple, oak, white poplar, ash                  | 300         | SM           | В                   | Linear plantation<br>viewed from<br>opposite bank.                                                            | -                            | -       | -   | Retain      | -                     |
| 556        | G    | Oak, field maple,<br>hawthorn, white willow          | 350         | EM           | В                   | -                                                                                                             | -                            | -       | -   | Retain      | -                     |
| 580        | G    | Corsican pine                                        | 830         | М            | В                   | Largest stem diameter recorded.                                                                               | -                            | -       | -   | Remove      | -                     |

| Tree<br>ID | Туре | Species                                                                    | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                           | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|----------------------------------------------------------------------------|-------------|--------------|---------------------|----------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 587        | G    | Oak, hazel, ash, field<br>maple, hawthorn, small-<br>leaved lime           | 180         | SM           | С                   | Thames Chase plantation.               | -                            | -       | -   | Remove      | -                     |
| 588        | G    | Oak, field maple,<br>hawthorn, yew                                         | 150         | SM           | В                   | -                                      | -                            | -       | -   | Remove      | -                     |
| 589        | G    | Oak, field maple, yew,<br>willow                                           | 200         | SM           | В                   | -                                      | -                            | -       | -   | Part remove | -                     |
| 590        | G    | Small-leaved lime, oak,<br>wild cherry, sweet<br>chestnut, yew, hazel, ash | 300         | SM           | В                   | Plantation dominated by lime.          | -                            | -       | -   | Remove      | -                     |
| 591        | G    | Hazel, oak, wild cherry                                                    | 270         | SM           | В                   | Plantation                             | -                            | -       | -   | Remove      | -                     |
| 592        | G    | Pear                                                                       | 210         | SM           | С                   | -                                      | -                            | -       | -   | Remove      | -                     |
| 593        | G    | Apple                                                                      | 100         | SM           | С                   | Scattered orchard.                     | -                            | -       | -   | Remove      | -                     |
| 594        | G    | Oak, ash, hornbeam,<br>Scots pine, hazel,<br>hawthorn, field maple         | 150         | SM           | В                   | Plantation.                            | -                            | -       | -   | Remove      | -                     |
| 596        | G    | Oak, beech, larch,<br>hawthorn, blackthorn,<br>ash, yew                    | 120         | SM           | С                   | Dense plantation.<br>Scrubby in areas. | -                            | -       | -   | Part remove | -                     |
| 597        | G    | Oak, ash, beech, goat<br>willow, hawthorn,<br>blackthorn                   | 120         | SM           | С                   | Dense plantation.                      | -                            | -       | -   | Part remove | -                     |
| 598        | G    | Oak, ash, field maple,<br>willow                                           | 200         | SM           | С                   | Plantation<br>adjacent pylon<br>route. | -                            | -       | -   | Remove      | -                     |

| Tree<br>ID | Туре | Species                                                                                                                   | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                           | Ancient /<br>veteran<br>tree | ATI ref | ТРО   | Impact      | Buffer<br>zone<br>(m) |
|------------|------|---------------------------------------------------------------------------------------------------------------------------|-------------|--------------|---------------------|------------------------------------------------------------------------|------------------------------|---------|-------|-------------|-----------------------|
| 599        |      | Oak, ash, crack willow,<br>hawthorn, blackthorn,<br>goat willow, larch, Scots<br>pine                                     | 150         | SM           | С                   | Dense plantation.                                                      | -                            | -       | -     | Part remove | -                     |
| 600        |      | Silver birch, Scots pine,<br>larch, hornbeam,<br>common alder, hawthorn,<br>osier                                         | 130         | SM           | С                   | Plantation.                                                            | -                            | -       | -     | Remove      | -                     |
| 601        | G    | Oak, ash, goat willow,<br>Scots pine, hawthorn                                                                            | 120         | SM           | С                   | -                                                                      | -                            | -       | -     | Remove      | -                     |
| 603        |      | Ash, silver birch, oak,<br>alder, hawthorn, white<br>willow, Scots pine, grey<br>poplar                                   | 250         | SM           | С                   | Planted group.                                                         | -                            | -       | -     | Part remove | -                     |
| 604        |      | Scots pine, larch, silver<br>birch, field maple, oak,<br>hawthorn, hornbeam,<br>common alder, goat<br>willow, wild cherry | 190         | SM           | В                   | Plantation. Pines<br>concentrated at<br>northern and<br>southern ends. | -                            | -       | -     | Remove      | -                     |
| 607        | G    | Ash, crack willow                                                                                                         | 230         | SM           | С                   | Average stem diameter recorded.                                        | -                            | -       | 12-92 | Part remove | -                     |

| Tree<br>ID | Туре | Species                                      |      | Age<br>class | BS 5837<br>category | Observations                                                                                                                              | Ancient /<br>veteran<br>tree | ATI ref | ТРО   | Impact      | Buffer<br>zone<br>(m) |
|------------|------|----------------------------------------------|------|--------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-------|-------------|-----------------------|
| 615        | G    | Oak, ash, elm, hawthorn                      | 350  | EM           | В                   | Linear belt of trees<br>overhanging track.<br>Compacted<br>surface and<br>shallow ditch on<br>western side<br>between trees and<br>track. | -                            | -       | 16-07 | Retain      | -                     |
| 620        | G    | Oak, ash, hornbeam                           | 550  | EM           | В                   | Unable to fully<br>inspect due to<br>fence. Linear belt<br>dominated by oak.                                                              | -                            | -       | -     | Part remove | -                     |
| 621        | G    | Wild cherry, field maple,<br>oak             | 300  | SM           | С                   | Dense highways<br>mix.                                                                                                                    | -                            | -       | -     | Part remove | -                     |
| 626        | G    | Oak                                          | 1190 | М            | A                   | Largest stem<br>diameter recorded<br>(southernmost<br>tree). Tree with<br>largest stem<br>diameter exhibits<br>some veteran<br>features.  | Veteran<br>(potential)       | -       | 20-81 | Retain      | 17.9                  |
| 643        | G    | Goat willow, cherry,<br>hawthorn, blackthorn | 145  | SM           | С                   | Area of thorny<br>scrub with<br>occasional trees.                                                                                         | -                            | -       | -     | Remove      | -                     |
| 644        | G    | Hawthorn, blackthorn, pear, cherry           | 125  | SM           | С                   | Area of thorny<br>scrub with<br>occasional trees.                                                                                         | -                            | -       | -     | Remove      | -                     |

| Tree<br>ID | Туре | Species                                                                                             | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                           | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|-----------------------------------------------------------------------------------------------------|-------------|--------------|---------------------|--------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 645        | G    | Silver birch, Scots pine,<br>spruce, sweet chestnut,<br>field maple, oak, ash                       | 270         | SM           | В                   | Established planting.                                                                                  | -                            | -       | -   | Part remove | -                     |
| 648        | G    | Ash, field maple,<br>hawthorn, goat willow,<br>cherry plum                                          | 160         | SM           | В                   | Dense planting<br>and natural<br>regeneration. Ivy.                                                    | -                            | -       | -   | Remove      | -                     |
| 651        | G    | Cherry                                                                                              | 280         | SM           | В                   | Linear group.<br>Maximum stem<br>diameter recorded.                                                    | -                            | -       | -   | Retain      | -                     |
| 654        | G    | Elm                                                                                                 | 190         | SM           | В                   | -                                                                                                      | -                            | -       | -   | Retain      | -                     |
| 656        | G    | Alder, London plane                                                                                 | 470         | SM           | В                   | Linear group.<br>Dominated by<br>alder with one<br>London plane.<br>Maximum stem<br>diameter recorded. | -                            | -       | -   | Remove      | -                     |
| 657        | G    | Field maple, cherry plum,<br>ash, silver birch, yew,<br>oak, Norway maple,<br>alder, cherry, poplar | 350         | SM           | В                   | Previous tree<br>nursery. Trees left<br>to grow on with<br>spaces forming<br>woodland glades.          | -                            | -       | -   | Remove      | -                     |
| 660        | G    | Silver birch, oak, false<br>acacia, poplar                                                          | 380         | SM           | В                   | Maximum stem<br>diameter recorded.<br>Historical canopy<br>lift.                                       | -                            | -       | -   | Retain      | -                     |
| 661        | G    | Elm                                                                                                 | 180         | SM           | U                   | Extensive dieback caused by Dutch elm disease.                                                         | -                            | -       | -   | Retain      | -                     |

| Tree<br>ID | Туре | Species          | DBH<br>(mm) | Age<br>class | BS 5837<br>category |                                                                                         | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|------------------|-------------|--------------|---------------------|-----------------------------------------------------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 662        | G    | Elm              | 180         | SM           | U                   | Gappy linear<br>group with dieback<br>caused by Dutch<br>elm disease.                   | -                            | -       | -   | Part remove | -                     |
| 663        | G    | Elm              | 150         | SM           | U                   | Gappy linear<br>group infected with<br>Dutch elm<br>disease. Reduced<br>beneath cables. | -                            | -       | -   | Remove      | -                     |
| 664        | G    | Ash, elm, apple  | 200         | SM           | С                   | Group dominated by ash.                                                                 | -                            | -       | -   | Remove      | -                     |
| 665        | G    | Elm, ash, cherry | 170         | SM           | U                   | Group dominated<br>by elm dying from<br>Dutch elm<br>disease.                           | -                            | -       | -   | Remove      | -                     |
| 666        | G    | Elm              | 150         | SM           | U                   | Dead and dying from Dutch elm disease.                                                  | -                            | -       | -   | Part remove | -                     |
| 667        | G    | Poplar           | 150         | SM           | С                   | Self-set.                                                                               | -                            | -       | -   | Remove      | -                     |
| 668        | G    | Elm              | 130         | SM           | U                   | Scattered upper<br>crown dieback. In<br>terminal decline<br>from Dutch elm<br>disease.  | -                            | -       | -   | Remove      | -                     |
| 669        | G    | Crack willow     | 265         | EM           | С                   | Scattered branch dieback.                                                               | -                            | -       | -   | Remove      | -                     |

| Tree<br>ID | Туре | Species                                                                   | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                          | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------------------------------------------------------------------------|-------------|--------------|---------------------|-----------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 670        | G    | Blackthorn, elm, field<br>maple                                           | 150         | SM           | С                   | Dense group<br>dominated by<br>blackthorn. Good<br>habitat value.     | -                            | -       | -   | Retain | -                     |
| 671        | G    | Blackthorn                                                                | 100         | SM           | С                   | -                                                                     | -                            | -       | -   | Remove | -                     |
| 672        | G    | Elm                                                                       | 120         | SM           | U                   | Occasional tree<br>dead from Dutch<br>elm disease.                    | -                            | -       | -   | Retain | -                     |
| 673        | G    | Scots pine                                                                | 280         | SM           | В                   | Maximum stem diameter recorded.                                       | -                            | -       | -   | Retain | -                     |
| 674        | G    | Scots pine, silver birch, poplar                                          | 250         | SM           | В                   | Maximum stem diameter recorded.                                       | -                            | -       | -   | Retain | -                     |
| 675        | G    | Poplar, silver birch,<br>hawthorn, ash, cherry<br>plum, alder, Scots pine | 320         | SM           | В                   | Maximum stem<br>diameter recorded.<br>Trees topped<br>beneath cables. | -                            | -       | -   | Remove | -                     |
| 676        | G    | White poplar                                                              | 380         | EM           | В                   | Maximum stem<br>diameters<br>recorded.                                | -                            | -       | -   | Remove | -                     |
| 677        | G    | Oak, ash, alder, silver<br>birch, hawthorn, Scots<br>pine, white poplar   | 350         | SM           | В                   | Maximum stem diameter recorded.                                       | -                            | -       | -   | Remove | -                     |
| 678        | G    | Oak, ash, hawthorn, silver<br>birch, field maple, Scots<br>pine           | 350         | SM           | В                   | Maximum<br>dimensions<br>recorded.<br>Scattered self-set<br>trees.    | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species                       | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                      | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|-------------------------------|-------------|--------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 679        | G    | Elm, field maple,<br>hawthorn | 180         | SM           | С                   | Maximum stem<br>diameter recorded.<br>Elms dead and<br>dying from Dutch<br>elm disease.                                           | -                            | -       | -   | Remove | -                     |
| 680        | G    | Elm, field maple              | 170         | SM           | С                   | Maximum stem<br>diameter recorded.<br>Elms dead and<br>dying from Dutch<br>elm disease.                                           | -                            | -       | -   | Remove | -                     |
| 681        | G    | Silver birch                  | 340         | EM           | В                   | Maximum stem diameter recorded.                                                                                                   | -                            | -       | -   | Remove | -                     |
| 682        | G    | Elm                           | 150         | SM           | U                   | Maximum stem<br>diameter recorded.<br>Trees dead and<br>dying from Dutch<br>elm disease.                                          | -                            | -       | -   | Remove | -                     |
| 683        | G    | Elm, field maple, ash         | 200         | SM           | С                   | Maximum stem<br>diameter recorded.<br>Elms dead and<br>dying from Dutch<br>elm disease.                                           | -                            | -       | -   | Remove | -                     |
| 684        | G    | Elm                           | 150         | SM           | U                   | Maximum stem<br>diameter recorded.<br>Scattered trees<br>along both sides of<br>road dead and<br>dying from Dutch<br>elm disease. | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species                               | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                         | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|---------------------------------------|-------------|--------------|---------------------|------------------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 685        | G    | Leyland cypress                       | 200         | SM           | С                   | Sparse foliage in upper crown.                       | -                            | -       | -   | Remove      | -                     |
| 686        | G    | Leyland cypress                       | 220         | SM           | U                   | Crown dieback:<br><i>Coryneum</i> canker<br>present. | -                            | -       | -   | Remove      | -                     |
| 687        | G    | Leyland cypress                       | 220         | SM           | U                   | Crown dieback:<br><i>Coryneum</i> canker<br>present. | -                            | -       | -   | Remove      | -                     |
| 688        | G    | Leyland cypress                       | 250         | SM           | U                   | Crown dieback:<br><i>Coryneum</i> canker<br>present. | -                            | -       | -   | Remove      | -                     |
| 689        | G    | Leyland cypress                       | 250         | SM           | U                   | Crown dieback:<br><i>Coryneum</i> canker<br>present. | -                            | -       | -   | Remove      | -                     |
| 690        | G    | Elm, elder                            | 150         | -            | С                   | Some elms dying<br>from Dutch elm<br>disease.        | -                            | -       | -   | Remove      | -                     |
| 691        | G    | Ash, hawthorn                         | 250         | SM           | С                   | Maximum stem<br>diameter recorded.<br>Hedge remnant. | -                            | -       | -   | Remove      | -                     |
| 692        | G    | Cherry plum, cherry<br>laurel, cherry | 150         | SM           | С                   | Maximum stem diameter recorded.                      | -                            | -       | -   | Remove      | -                     |
| 693        | G    | Cherry plum                           | 200         | EM           | С                   | Maximum stem diameter recorded.                      | -                            | -       | -   | Part remove | -                     |

| Tree<br>ID | Туре | Species                                                                                                             | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                  | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------------------------------------------------------------------------------------------------------------------|-------------|--------------|---------------------|---------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 694        | G    | Elm, field maple,<br>hawthorn, cherry plum,<br>ash                                                                  | 200         | SM           | С                   | Maximum stem<br>diameter recorded.<br>Scattered linear<br>group flailed over<br>track.                        | -                            | -       | -   | Remove | -                     |
| 695        | G    | Field maple, hawthorn,<br>goat willow, oak, cherry<br>plum                                                          | 150         | SM           | С                   | Scattered linear<br>group flailed over<br>track. Maximum<br>stem diameter<br>recorded.                        | -                            | -       | -   | Remove | -                     |
| 696        | G    | Sycamore, buddleia,<br>cherry laurel, goat willow,<br>cherry plum, hawthorn,<br>pear, apple, oak, Lawson<br>cypress | 320         | SM           | С                   | Maximum<br>dimensions<br>recorded. Some<br>trees planted in<br>abandoned<br>nursery. Other<br>trees self-set. | -                            | -       | -   | Remove | -                     |
| 697        | G    | Yew, cherry                                                                                                         | 100         | SM           | С                   | Maximum stem diameter recorded.                                                                               | -                            | -       | -   | Remove | -                     |
| 698        | G    | Cherry, apple                                                                                                       | 250         | EM           | С                   | Maximum stem diameter recorded.                                                                               | -                            | -       | -   | Remove | -                     |
| 699        | G    | Monterey cypress, silver<br>birch, hawthorn                                                                         | 300         | EM           | С                   | Group dominated<br>by Monterey<br>cypress with upper<br>crown dieback:<br><i>Coryneum</i> canker<br>present.  | -                            | -       | -   | Remove | -                     |
| 700        | G    | Holly, ash                                                                                                          | 175         | SM           | С                   | -                                                                                                             | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species                                | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                 | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|----------------------------------------|-------------|--------------|---------------------|----------------------------------------------------------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 701        | G    | Monterey cypress, Scots<br>pine, apple | 300         | SM           | С                   | -                                                                                            | -                            | -       | -   | Remove      | -                     |
| 702        | G    | Monterey cypress, cherry               | 300         | SM           | С                   | -                                                                                            | -                            | -       | -   | Remove      | -                     |
| 704        | G    | Lawson cypress                         | 270         | SM           | С                   | Maximum stem diameter recorded.                                                              | -                            | -       | -   | Remove      | -                     |
| 705        | G    | Ash, elm                               | 130         | Y            | С                   | -                                                                                            | -                            | -       | -   | Remove      | -                     |
| 706        | G    | Holly, laburnum                        | 175         | SM           | С                   | -                                                                                            | -                            | -       | -   | Remove      | -                     |
| 707        | G    | Ash, hawthorn, field<br>maple, oak     | 150         | SM           | С                   | Planted group on<br>highway<br>embankment.<br>Maximum stem<br>diameter recorded.             | -                            | -       | -   | Remove      | -                     |
| 708        | G    | Scots pine, oak, cherry, field maple   | 300         | SM           | В                   | -                                                                                            | -                            | -       | -   | Retain      | -                     |
| 709        | G    | Monterey cypress                       | 480         | EM           | U                   | Crown dieback:<br><i>Coryneum</i> canker<br>present. Maximum<br>stem diameter<br>recorded.   | -                            | -       | -   | Retain      | -                     |
| 710        | G    | Monterey cypress                       | 500         | EM           | U                   | Dying trees from<br><i>Coryneum</i> canker<br>present. Maximum<br>stem diameter<br>recorded. | -                            | -       | -   | Retain      | -                     |
| 711        | G    | Monterey cypress                       | 250         | EM           | С                   | Topped. Maximum stem diameter recorded.                                                      | -                            | -       | -   | Part remove | -                     |

| Tree<br>ID | Туре | Species                            | DBH<br>(mm) | Age<br>class | BS 5837<br>category |                                                                                                                       | Ancient /<br>veteran<br>tree | ATI ref | ТРО     | Impact      | Buffer<br>zone<br>(m) |
|------------|------|------------------------------------|-------------|--------------|---------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------|---------|---------|-------------|-----------------------|
| 712        |      | Oak, apple, field maple,<br>poplar | 280         | SM           | В                   | Surveyed from<br>opposite bank.<br>Maximum stem<br>diameter<br>estimated.                                             | -                            | -       | -       | Part remove | -                     |
| 714        | G    | Lombardy poplar                    | 400         | SM           | В                   | -                                                                                                                     | -                            | -       | -       | Remove      | -                     |
| 29         | Т    | Sweet chestnut                     | 1600        | ОМ           | A                   | Multiple tear outs.<br>Storm damage.<br>Rot holes. Decay<br>tracts. Moderate<br>deadwood.<br>Stem/canopy<br>cavities. | Veteran<br>(verified)        | 28289   | -       | Retain      | 24.0                  |
| 35         | Т    | Oak                                | 530         | EM           | В                   | No access. Minor deadwood.                                                                                            | -                            | -       | -       | Remove      | -                     |
| 37         | Т    | Sweet chestnut                     | 1100        | М            | В                   | Possible lapsed<br>pollard. Stem<br>cavities. Moderate<br>dead wood.<br>Secondary<br>canopy.                          | -                            | -       | 1960001 | Retain      | -                     |
| 38         | Т    | Oak                                | 1030        | М            | В                   | Cavities. Moderate deadwood. Storm damage.                                                                            | -                            | -       | 1960001 | Retain      | -                     |

| Tree<br>ID | Туре | Species        | DBH<br>(mm) | Age<br>class | BS 5837<br>category |                                                                                                                                                                          | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|----------------|-------------|--------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 41         | Т    | Sweet chestnut | 1400        | ОМ           | A                   | Severe dieback in<br>upper canopy.<br>Major deadwood.<br>Managed. Early<br>leaf loss.<br>Overgrown around<br>base. Lower<br>canopy alive<br>although dieback<br>present. | Veteran<br>(potential)       | -       | -   | Remove | 21.0                  |
| 42         | Т    | Sweet chestnut | 1050        | Μ            | В                   | In decline. Upper<br>canopy dieback.<br>Stem and canopy<br>cavities. Moderate<br>deadwood.                                                                               | -                            | -       | -   | Remove | -                     |
| 47         | Т    | Sweet chestnut | 1210        | ОМ           | В                   | In decline. Storm<br>damage.<br>Managed. Basal<br>decay. Moderate<br>deadwood.                                                                                           | -                            | -       | -   | Remove | -                     |
| 50         | Т    | Beech          | 1200        | ОМ           | A                   | No access.<br>Maiden high-<br>quality specimen.<br>Viewed from<br>distance.                                                                                              | -                            | -       | -   | Remove | -                     |
| 51         | Т    | Oak            | 650         | М            | В                   | -                                                                                                                                                                        | -                            | -       | -   | Remove | -                     |
| 52         | Т    | Oak            | 650         | М            | В                   | Viewed from<br>distance. No<br>access.                                                                                                                                   | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species | DBH<br>(mm) |   | BS 5837<br>category | Observations                                                                                                                                        | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------|-------------|---|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 53         | Т    | Oak     | 650         | М | В                   | Minor deadwood.<br>Viewed from<br>distance.                                                                                                         | -                            | -       | -   | Remove | -                     |
| 54         | Т    | Oak     | 850         | Μ | В                   | Moderate<br>deadwood. Minor<br>bark damage<br>around basal area.                                                                                    | -                            | -       | -   | Remove | -                     |
| 59         | Т    | Beech   | 1200        | Μ | В                   | Group grown.<br>Suppressed to<br>south. Large stem<br>cavities. Tear outs.<br>Minor deadwood.                                                       | -                            | -       | -   | Retain | -                     |
| 64         | Т    | Ash     | 800         | М | В                   | Moderate<br>deadwood.<br>Dieback upper<br>crown to south.<br>Limb to south with<br>woodpecker hole<br>and <i>Inonotus</i><br>bracket. Snap<br>outs. | -                            | -       | -   | Retain | -                     |

| Tree<br>ID | Туре | Species        | DBH<br>(mm) | Age<br>class | BS 5837<br>category |                                                                                                                                                                                                         | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|----------------|-------------|--------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 65         | Т    | Sweet chestnut | 1130        | Μ            | С                   | Stem diameter<br>estimated.<br>Extensive bark<br>damage around<br>base. Canopy<br>dieback in upper<br>section. Moderate<br>deadwood. Fungi<br>by root flare.<br>Codominant union<br>with included bark. | -                            | -       | -   | Retain | -                     |
| 66         | Т    | Sweet chestnut | 1420        | М            | В                   | Field grown. Basal<br>damage from<br>livestock<br>(paddock). Snap<br>ours. Moderate<br>deadwood.<br>Canopy cavities.                                                                                    | -                            | -       | -   | Retain | -                     |
| 68         | Т    | Oak            | 1070        | М            | В                   | Moderate<br>deadwood. Bulge<br>on stem to south.                                                                                                                                                        | -                            | -       | -   | Retain | -                     |
| 70         | Т    | Sweet chestnut | 1300        | ОМ           | A                   | Severe dieback in<br>upper canopy.<br>Major deadwood.<br>Prolific basal<br>growth browsed.<br>Retrenching<br>canopy with<br>functioning lower<br>section.                                               | Veteran<br>(potential)       | -       | -   | Retain | 19.5                  |

| Tree<br>ID | Туре | Species       | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                       | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------------|-------------|--------------|---------------------|----------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 71         | Т    | Oak           | 610         | EM           | В                   | Moderate<br>deadwood. Normal<br>for species.                                                       | -                            | -       | -   | Retain | -                     |
| 81         | Т    | Oak           | 650         | EM           | С                   | No access.<br>Viewed from<br>distance. Prolific<br>ivy. Moderate<br>deadwood.                      | -                            | -       | -   | Remove | -                     |
| 86         | Т    | False acacia  | 420         | EM           | В                   | Minor deadwood.                                                                                    | -                            | -       | -   | Remove | -                     |
| 87         | т    | Eucalyptus    | 1220        | ОМ           | U                   | Large tri-stemmed<br>tree with large<br><i>Ganoderma</i><br>bracket at base to<br>south-west side. | -                            | -       | -   | Remove | -                     |
| 88         | Т    | Holly         | 225         | SM           | В                   | Garden tree.<br>Viewed from<br>distance.                                                           | -                            | -       | -   | Remove | -                     |
| 89         | Т    | Sycamore      | 380         | EM           | С                   | Garden tree.                                                                                       | -                            | -       | -   | Remove | -                     |
| 110        | Т    | Field maple   | 200         | SM           | В                   | -                                                                                                  | -                            | -       | -   | Remove | -                     |
| 114        | Т    | Hybrid poplar | 850         | М            | В                   | Three stems at 1m<br>with basal cavity<br>and mid-canopy<br>deadwood.                              | -                            | -       | -   | Retain | -                     |
| 115        | Т    | Beech         | 940         | M            | В                   | Limited access.<br>Tree in front<br>garden of Cobham<br>Lodge.                                     | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species        | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                       | Ancient /<br>veteran<br>tree | ATI ref | ΤΡΟ | Impact | Buffer<br>zone<br>(m) |
|------------|------|----------------|-------------|--------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 129        | Т    | Sweet chestnut | 1020        | М            | В                   | Large scar of<br>dysfunctional<br>wood probably due<br>to lightning strike.<br>Other canopy<br>deadwood.                                                           | -                            | -       | -   | Remove | -                     |
| 131        | Т    | Oak            | 1100        | М            | В                   | No access due to<br>bramble. Major<br>deadwood. Large<br>stem cavities.<br>Dieback in upper<br>canopy. Canopy<br>cavities. Tear outs.                              | -                            | -       | -   | Remove | -                     |
| 132        | Т    | Oak            | 1130        | М            | В                   | Field grown oak.<br>Major deadwood.<br>Numerous snap<br>outs and limb<br>fractures. Large<br>stem cavities with<br>advanced decay.<br>No signs of<br>retrenchment. | -                            | -       | -   | Remove | -                     |
| 133        | Т    | Oak            | 1020        | М            | A                   | Stem fractures<br>tree with<br>functioning and<br>developing lower<br>canopy. Internal<br>heartwood decay<br>on stem. Stem<br>cavities.                            | Veteran<br>(potential)       | -       | -   | Remove | 15.3                  |

| Tree<br>ID | Туре | Species          | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                         | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|------------------|-------------|--------------|---------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 136        | Т    | Oak              | 890         | М            | В                   | Large spreading<br>oak. Large tear<br>outs to north.<br>Moderate<br>deadwood. Limb<br>fractures. Canopy<br>cavities. | -                            | -       | -   | Remove | -                     |
| 143        | Т    | Indian bean tree | 430         | EM           | В                   | Previously pollarded at 3.5m.                                                                                        | -                            | -       | -   | Remove | -                     |
| 145        | Т    | Oak              | 850         | ОМ           | A                   | Large stem cavity<br>with exposed<br>brown rot and new<br>canopy formation.                                          | Veteran<br>(potential)       | -       | -   | Remove | 12.8                  |
| 147        | Т    | Oak              | 1720        | ОМ           | A                   | Dual stem at 1.5m<br>with old scaffold<br>limb cavities and<br>minor deadwood.                                       | -                            | -       | -   | Remove | -                     |
| 157        | Т    | Sweet chestnut   | 800         | М            | В                   | Upper crown<br>dieback. Bat roost<br>features.                                                                       | -                            | -       | -   | Retain | -                     |
| 158        | Т    | Alder            | 450         | EM           | В                   | -                                                                                                                    | -                            | -       | -   | Retain | -                     |
| 159        | Т    | Oak              | 800         | М            | В                   | -                                                                                                                    | -                            | -       | -   | Retain | -                     |
| 161        | Т    | Oak              | 570         | EM           | В                   | -                                                                                                                    | -                            | -       | -   | Retain | -                     |
| 162        | Т    | Oak              | 550         | EM           | В                   | Suppressed form.                                                                                                     | -                            | -       | -   | Retain | -                     |
| 163        | Т    | Oak              | 720         | М            | В                   | -                                                                                                                    | -                            | -       | -   | Retain | -                     |

| Tree<br>ID | Туре | Species        | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                         | Ancient /<br>veteran<br>tree | ATI ref | ТРО      | Impact | Buffer<br>zone<br>(m) |
|------------|------|----------------|-------------|--------------|---------------------|----------------------------------------------------------------------|------------------------------|---------|----------|--------|-----------------------|
| 164        | Т    | Oak            | 780         | М            | В                   | Historic storm<br>damage: branch<br>tear out. Bat roost<br>features. | -                            | -       | -        | Retain | -                     |
| 165        | Т    | Alder          | 580         | EM           | В                   | Suppressed form.                                                     | -                            | -       | -        | Retain | -                     |
| 166        | Т    | Oak            | 870         | М            | В                   | -                                                                    | -                            | -       | -        | Retain | -                     |
| 167        | Т    | Sweet chestnut | 980         | М            | В                   | -                                                                    | -                            | -       | -        | Retain | -                     |
| 168        | Т    | Oak            | 700         | EM           | В                   | -                                                                    | -                            | -       | -        | Retain | -                     |
| 169        | Т    | Oak            | 790         | М            | В                   | Stem wound.                                                          | -                            | -       | -        | Retain | -                     |
| 170        | Т    | Oak            | 770         | EM           | В                   | -                                                                    | -                            | -       | -        | Retain | -                     |
| 171        | Т    | Oak            | 790         | М            | А                   | -                                                                    | -                            | -       | -        | Retain | -                     |
| 172        | Т    | Oak            | 940         | М            | А                   | -                                                                    | -                            | -       | -        | Retain | -                     |
| 174        | Т    | Oak            | 710         | М            | В                   | Historic crown reduction.                                            | -                            | -       | -        | Retain | -                     |
| 175        | Т    | Oak            | 620         | EM           | В                   | -                                                                    | -                            | -       | -        | Retain | -                     |
| 183        | Т    | Hornbeam       | 880         | ОМ           | A                   | Stem cavity.<br>Crown cavities and deadwood.                         | Veteran<br>(verified)        | 139009  | 1972-001 | Retain | 13.2                  |
| 184        | Т    | Hornbeam       | 390         | ОМ           | A                   | Half the tree stem<br>is decayed. New<br>canopy from 3m.             | Veteran<br>(potential)       | -       | 1972-001 | Retain | 5.9                   |
| 193        | Т    | Sweet chestnut | 1140        | ОМ           | A                   | Crown cavities.<br>Deadwood and<br>basal secondary<br>stems.         | Veteran<br>(potential)       | -       | -        | Retain | 17.1                  |

880

Μ

А

| Туре | Species        | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                          | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------|----------------|-------------|--------------|---------------------|-----------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| Т    | Sweet chestnut | 1950        | ОМ           | A                   | Managed with limb<br>removed and high<br>pollards. Minor<br>deadwood. | Veteran<br>(verified)        | 138851  | -   | Retain | 29.3                  |
| Т    | Sweet chestnut | 1200        | ОМ           | A                   | Dead main leader.<br>Managed on path<br>side.                         | Veteran<br>(potential)       | 138853  | -   | Retain | 18.0                  |
| Т    | Sweet chestnut | 1100        | ОМ           | A                   | Retrenching<br>canopy with<br>deadwood.                               | Veteran<br>(potential)       | -       | -   | Retain | 16.5                  |
| Т    | Sweet chestnut | 1750        | ОМ           | A                   | Large tree with<br>deadwood and<br>previous large limb<br>removal.    | -                            | -       | -   | Retain | -                     |
| Т    | cherry         | 180         | SM           | С                   | -                                                                     | -                            | -       | -   | Remove | -                     |
| Т    | Field maple    | 130         | SM           | С                   | -                                                                     | -                            | -       | -   | Retain | -                     |
| Т    | Ash            | 210         | SM           | С                   | -                                                                     | -                            | -       | -   | Remove | -                     |
| Т    | Ash            | 290         | SM           | С                   | Multi-stemmed from base.                                              | -                            | -       | -   | Remove | -                     |
| Т    | Oak            | 830         | М            | А                   | -                                                                     | -                            | -       | -   | Retain | -                     |
| Т    | Oak            | 850         | М            | А                   | -                                                                     | -                            | -       | -   | Retain | -                     |
| Т    | Oak            | 580         | EM           | В                   | Low spreading<br>canopy and minor<br>deadwood.                        | -                            | -       | -   | Remove | -                     |

Oak

Tree ID

196

197

198

202

216 217 218

219 T

Remove

| Tree<br>ID | Туре | Species        |      | Age<br>class | BS 5837<br>category | Observations                                                                   | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|----------------|------|--------------|---------------------|--------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 220        | Т    | Sweet chestnut | 1220 | М            | A                   | Historic storm damage.                                                         | -                            | -       | -   | Retain | -                     |
| 221        | Т    | Sweet chestnut | 1700 | М            | A                   | Upper crown<br>dieback.                                                        | Veteran<br>(potential)       | -       | -   | Retain | 25.5                  |
| 222        | Т    | Sweet chestnut | 950  | Μ            | A                   | Woodpecker hole<br>in branch. Historic<br>storm damage. Bat<br>roost features. | -                            | -       | -   | Retain | -                     |
| 223        | Т    | Sweet chestnut | 1310 | ОМ           | A                   | Historic storm<br>damage. Old stem<br>wounds. Upper<br>crown dieback.          | Veteran<br>(potential)       | -       | -   | Retain | 19.7                  |
| 224        | Т    | Sweet chestnut | 1200 | М            | A                   | Historic storm<br>damage. Bat roost<br>features.                               | -                            | -       | -   | Retain | -                     |
| 225        | Т    | Sweet chestnut | 1520 | OM           | A                   | Historic storm damage.                                                         | Veteran<br>(potential)       | -       | -   | Retain | 22.8                  |
| 226        | Т    | Oak            | 850  | М            | A                   | Upper crown<br>dieback.                                                        | Veteran<br>(potential)       | -       | -   | Retain | 12.8                  |
| 227        | Т    | Oak            | 680  | EM           | А                   | -                                                                              | -                            | -       | -   | Retain | -                     |
| 228        | Т    | Oak            | 1030 | М            | А                   | -                                                                              | -                            | -       | -   | Retain | -                     |
| 229        | Т    | Oak            | 1530 | М            | А                   | -                                                                              | -                            | -       | -   | Retain | -                     |
| 230        | Т    | Oak            | 800  | М            | А                   | -                                                                              | -                            | -       | -   | Retain | -                     |
| 231        | Т    | Beech          | 1410 | М            | А                   | -                                                                              | -                            | -       | -   | Retain | -                     |
| 232        | Т    | Oak            | 710  | EM           | А                   | Suppressed form.                                                               | -                            | -       | -   | Retain | -                     |

| Tree<br>ID | Туре | Species        | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                         | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|----------------|-------------|--------------|---------------------|------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 233        | Т    | Oak            | 710         | М            | A                   | Layering branch to south.                            | -                            | -       | -   | Retain | -                     |
| 234        | Т    | Oak            | 1510        | М            | A                   | Historic storm damage.                               | Veteran<br>(potential)       | -       | -   | Retain | 22.7                  |
| 235        | Т    | Sweet chestnut | 520         | SM           | С                   | Multi-stemmed from base.                             | -                            | -       | -   | Retain | -                     |
| 237        | Т    | Sweet chestnut | 1280        | ОМ           | A                   | Historic storm<br>damage. Bat roost<br>features.     | Veteran<br>(potential)       | -       | -   | Retain | 19.2                  |
| 238        | Т    | Sweet chestnut | 2080        | ОМ           | A                   | Historic branch<br>reductions. Bat<br>roost features | Veteran<br>(potential)       | -       | -   | Retain | 31.2                  |
| 241        | Т    | Oak            | 240         | -            | С                   | -                                                    | -                            | -       | -   | Retain | -                     |
| 242        | Т    | Sweet chestnut | 1770        | М            | A                   | -                                                    | Veteran<br>(potential)       | -       | -   | Retain | 26.6                  |
| 243        | Т    | Oak            | 640         | EM           | В                   | -                                                    | -                            | -       | -   | Retain | -                     |
| 244        | Т    | Sweet chestnut | 1430        | OM           | A                   | Historic storm damage.                               | Veteran<br>(potential)       | -       | -   | Retain | 21.5                  |
| 245        | Т    | Oak            | 950         | -            | A                   | Woodpecker<br>holes. Bat roost<br>features.          | -                            | -       | -   | Retain | -                     |
| 246        | Т    | Oak            | 1100        | ОМ           | С                   | Stump from recent structural failure.                | -                            | -       | -   | Retain | -                     |
| 250        | Т    | Weeping willow | 800         | М            | С                   | Pruned to clear cables.                              | -                            | -       | -   | Retain | -                     |

| Tree<br>ID | Туре | Species           | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations            | Ancient /<br>veteran<br>tree | ATI ref | TPO | Impact | Buffer<br>zone<br>(m) |
|------------|------|-------------------|-------------|--------------|---------------------|-------------------------|------------------------------|---------|-----|--------|-----------------------|
| 254        | Т    | Oak               | 270         | SM           | С                   | -                       | -                            | -       | -   | Retain | -                     |
| 255        | Т    | Oak               | 190         | SM           | С                   | -                       | -                            | -       | -   | Retain | -                     |
| 256        | Т    | Oak               | 210         | SM           | С                   | -                       | -                            | -       | -   | Retain | -                     |
| 257        | Т    | Oak               | 290         | SM           | С                   | -                       | -                            | -       | -   | Retain | -                     |
| 258        | Т    | Oak               | 410         | EM           | В                   | -                       | -                            | -       | -   | Retain | -                     |
| 259        | Т    | Oak               | 130         | SM           | С                   | -                       | -                            | -       | -   | Retain | -                     |
| 260        | Т    | Oak               | 180         | SM           | С                   | -                       | -                            | -       | -   | Retain | -                     |
| 261        | Т    | Oak               | 190         | SM           | С                   | -                       | -                            | -       | -   | Retain | -                     |
| 262        | Т    | Oak               | 240         | SM           | С                   | -                       | -                            | -       | -   | Retain | -                     |
| 263        | Т    | Oak               | 210         | SM           | С                   | -                       | -                            | -       | -   | Retain | -                     |
| 264        | Т    | Oak               | 130         | SM           | С                   | -                       | -                            | -       | -   | Retain | -                     |
| 265        | Т    | Apple             | 220         | EM           | С                   | -                       | -                            | -       | -   | Retain | -                     |
| 266        | Т    | Apple             | 180         | EM           | С                   | Recent crown reduction. | -                            | -       | -   | Retain | -                     |
| 267        | Т    | Swedish whitebeam | 180         | SM           | С                   | -                       | -                            | -       | -   | Retain | -                     |
| 268        | Т    | Apple             | 210         | EM           | С                   | -                       | -                            | -       | -   | Retain | -                     |
| 269        | Т    | Snakebark maple   | 225         | SM           | С                   | -                       | -                            | -       | -   | Retain | -                     |
| 270        | Т    | Rowan             | 260         | SM           | С                   | -                       | -                            | -       | -   | Retain | -                     |
| 271        | Т    | Beech             | 310         | SM           | В                   | -                       | -                            | -       | -   | Retain | -                     |
| 272        | Т    | Cherry            | 270         | SM           | В                   | -                       | -                            | -       | -   | Retain | -                     |

| Tree<br>ID | Туре | Species | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                       | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------|-------------|--------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 288        | т    | Oak     | 790         | Μ            | В                   | Field grown tree.<br>Moderate<br>deadwood. Some<br>minor limb<br>fractures.                                                                                        | -                            | -       | -   | Retain | -                     |
| 289        | Т    | Oak     | 1050        | Μ            | В                   | Moderate<br>deadwood. Slight<br>thinning of canopy.<br>Limb fractures.<br>Stem cavities.<br>Tear outs.                                                             | -                            | -       | -   | Retain | -                     |
| 290        | Т    | Oak     | 1700        | ОМ           | A                   | Ivy on stem. Basal<br>decay. Stem<br>cavity. Large limb<br>loss. Major<br>deadwood. Major<br>limb fractures and<br>tear outs. Loss of<br>canopy to south-<br>west. | Ancient<br>(verified)        | 138890  | -   | Retain | 25.5                  |
| 291        | Т    | Oak     | 900         | Μ            | В                   | No access to<br>stem. Thinning<br>canopy. Dieback<br>throughout<br>canopy. Moderate<br>deadwood.                                                                   | -                            | -       | -   | Retain | -                     |

| Tree<br>ID | Туре | Species | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                                                    | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------|-------------|--------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 292        | Т    | Oak     | 850         | м            | В                   | Minor deadwood.<br>Decay and rot<br>holes in leader to<br>north also<br>snapped out with<br>tear.                                                                                               | -                            | -       | -   | Retain | -                     |
| 293        | Т    | Oak     | 1030        | ОМ           | В                   | Major deadwood.<br>Major limb<br>fractures and tear<br>outs. Stem and<br>canopy cavities.<br>Dieback in mid-<br>canopy to south.<br>Signs of<br>secondary canopy<br>development low<br>on stem. | -                            | -       | -   | Retain | -                     |
| 294        | Т    | Oak     | 960         | М            | В                   | Moderate<br>deadwood.                                                                                                                                                                           | -                            | -       | -   | Retain | -                     |
| 301        | Т    | Oak     | 620         | М            | В                   | Roadside tree on<br>field boundary. Ivy-<br>clad stem.<br>Suppressed to<br>south. Minor<br>deadwood.                                                                                            | -                            | -       | -   | Retain | -                     |

| Tree<br>ID | Туре | Species      | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                    | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|--------------|-------------|--------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 311        | Т    | White willow | 1060        | Μ            | В                   | Assessed from<br>public footpath<br>only. Some<br>deadwood and<br>stem fractures.                                               | -                            | -       | -   | Retain | -                     |
| 313        | Т    | Holm oak     | 620         | EM           | В                   | Lower limbs<br>grazed by horses.<br>Stag headed with<br>deadwood in<br>upper canopy.<br>Bark damage<br>wounds on lower<br>stem. | -                            | -       | -   | Retain | -                     |
| 314        | Т    | Oak          | 710         | М            | A                   | Historical coppice<br>tree with minor<br>deadwood.                                                                              | -                            | -       | -   | Remove | -                     |
| 315        | Т    | Oak          | 980         | Μ            | A                   | Some ivy. Wide<br>spreading canopy<br>and minor<br>deadwood.                                                                    | -                            | -       | -   | Remove | -                     |
| 316        | Т    | Oak          | 1020        | Μ            | A                   | Some ivy. Scaffold<br>limbs from 3m<br>height with minor<br>deadwood and<br>open spreading<br>canopy.                           | -                            | -       | -   | Remove | -                     |
| 317        | Т    | Oak          | 1150        | М            | A                   | Prolific ivy with small basal cavity.                                                                                           | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species       | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                                       | Ancient /<br>veteran<br>tree | ATI ref | ТРО         | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------------|-------------|--------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-------------|--------|-----------------------|
| 330        | Т    | Oak           | 1068        | М            | В                   | Twin-stemmed<br>near base.<br>Occluded around<br>metal spike. Some<br>canopy raising.<br>Moderate<br>deadwood. Under<br>power lines to<br>west. Some<br>cracking at stem<br>union. | -                            | -       | -           | Remove | -                     |
| 331        | Т    | Oak           | 1000        | ОМ           | С                   | Dead. Potential habitat value.                                                                                                                                                     | -                            | -       | -           | Retain | -                     |
| 340        | Т    | Oak           | 420         | EM           | С                   | Contorted stem.<br>Suppressed.<br>Moderate<br>deadwood.                                                                                                                            | -                            | -       | -           | Remove | -                     |
| 342        | Т    | Elm           | 290         | SM           | U                   | Prolific ivy.<br>Extensive bark<br>necrosis.                                                                                                                                       | -                            | -       | -           | Remove | -                     |
| 346        | Т    | Sycamore      | 1080        | OM           | В                   | Limited access to survey. Canopy dieback and ivy.                                                                                                                                  | -                            | -       | 12/<br>2010 | Retain | -                     |
| 347        | Т    | Hybrid poplar | 550         | EM           | В                   | Limited access to view. Minor mid-<br>canopy deadwood.                                                                                                                             | -                            | -       | 12/<br>2010 | Retain | -                     |

| Tree<br>ID | Туре | Species | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                     | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------|-------------|--------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 348        | Т    | Oak     | 1240        | Μ            | A                   | Low stem division.<br>Diameter<br>measured at<br>500mm height.                                                                   | -                            | -       | -   | Retain | -                     |
| 355        | Т    | Oak     | 790         | М            | В                   | Moderate<br>deadwood in lower<br>canopy.                                                                                         | -                            | -       | -   | Remove | -                     |
| 356        | Т    | Oak     | 850         | М            | В                   | Limb loss to south<br>with decay and<br>cavities. Upper<br>canopy in decline.<br>Secondary canopy<br>forming. No<br>deadwood.    | -                            | -       | -   | Remove | -                     |
| 357        | Т    | Oak     | 950         | Μ            | В                   | Large limb loss<br>with cavities.<br>Hollowing out in<br>stem. Moderate<br>deadwood.                                             | -                            | -       | -   | Remove | -                     |
| 360        | Т    | Oak     | 920         | М            | В                   | Limb removal with<br>decay pockets in<br>wounds. Moderate<br>deadwood.<br>Historic basal bark<br>loss with exposed<br>heartwood. | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                                                                      | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------|-------------|--------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 361        | Т    | Oak     | 920         | М            | В                   | Canopy raised on<br>west side with<br>stump cuts. Minor<br>deadwood.                                                                                                                                              | -                            | -       | -   | Remove | -                     |
| 362        | Т    | Ash     | 800         | М            | A                   | Upper canopy<br>dieback. Canopy<br>cavities. Moderate<br>deadwood.<br>Secondary canopy<br>forming. Elder<br>sapling growing<br>from basal union.<br>Stem cavities. Rot<br>holes. Storm<br>damage. Lost<br>leader. | Veteran<br>(potential)       | -       | -   | Remove | 12.0                  |
| 363        | Т    | Ash     | 720         | М            | A                   | Snapped out on<br>stem at 4m.<br>Hollowing out<br>stem.                                                                                                                                                           | Veteran<br>(potential)       | -       | -   | Remove | 10.8                  |
| 364        | Т    | Ash     | 835         | М            | В                   | On watercourse<br>bank. Codominant<br>stems at base.<br>Storm damage.<br>Lost leaders.<br>Major deadwood.<br>Canopy cavities.<br>Tear outs. Rot<br>holes.                                                         | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species         | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                       | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|-----------------|-------------|--------------|---------------------|------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 366        | Т    | Oak             | 450         | EM           | С                   | Field boundary<br>oak. Flailed to<br>north.                                        | -                            | -       | -   | Remove | -                     |
| 367        | Т    | Ash             | 200         | SM           | С                   | Flailed.                                                                           | -                            | -       | -   | Remove | -                     |
| 368        | Т    | Hawthorn        | 330         | EM           | С                   | Flailed to north.<br>Minor deadwood.                                               | -                            | -       | -   | Remove | -                     |
| 370        | Т    | Oak             | 485         | EM           | С                   | Flailed to 4m.                                                                     | -                            | -       | -   | Remove | -                     |
| 372        | Т    | Oak             | 450         | SM           | С                   | Flailed to 4m.                                                                     | -                            | -       | -   | Remove | -                     |
| 373        | т    | Oak             | 680         | EM           | В                   | Canopy raised<br>with stump cuts<br>and occluding<br>wounds. Moderate<br>deadwood. | -                            | -       | -   | Remove | -                     |
| 385        | Т    | Lombardy poplar | 540         | EM           | В                   | Viewed from distance.                                                              | -                            | -       | -   | Retain | -                     |
| 387        | Т    | Oak             | 450         | SM           | В                   | Good specimen.                                                                     | -                            | -       | -   | Remove | -                     |
| 389        | Т    | Sycamore        | 400         | SM           | С                   | Unable to fully<br>inspect due to ivy.<br>Minor flail damage.                      | -                            | -       | -   | Remove | -                     |
| 396        | Т    | Sycamore        | 240         | SM           | С                   | Flailed on field side.                                                             | -                            | -       | -   | Remove | -                     |
| 403        | Т    | Spruce          | 250         | SM           | В                   | Viewed from a distance.                                                            | -                            | -       | -   | Remove | -                     |
| 405        | Т    | Cherry          | 270         | SM           | С                   | -                                                                                  | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species     | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                              | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|-------------|-------------|--------------|---------------------|-----------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 411        | Т    | Hawthorn    | 150         | SM           | С                   | Grazed up to 2m.<br>No access.                                                                            | -                            | -       | -   | Remove | -                     |
| 412        | Т    | Crab apple  | 170         | EM           | С                   | Grazed up to 2m.                                                                                          | -                            | -       | -   | Retain | -                     |
| 413        | Т    | Hawthorn    | 220         | EM           | С                   | Highways.                                                                                                 | -                            | -       | -   | Remove | -                     |
| 420        | Т    | Goat willow | 430         | EM           | С                   | -                                                                                                         | -                            | -       | -   | Remove | -                     |
| 424        | Т    | Cherry      | 420         | М            | С                   | -                                                                                                         | -                            | -       | -   | Remove | -                     |
| 431        | Т    | Ash         | 120         | Y            | С                   | Only tree within<br>highways planting<br>that is 75mm or<br>above.                                        | -                            | -       | -   | Remove | -                     |
| 434        | т    | Cherry      | 500         | М            | U                   | Pollarded at 2m.<br>Decay at unions.<br><i>Phellinus</i><br><i>pomaceus</i> fruiting<br>bodies on branch. | -                            | -       | -   | Remove | -                     |
| 435        | Т    | Oak         | 350         | SM           | С                   | -                                                                                                         | -                            | -       | -   | Remove | -                     |
| 437        | Т    | Oak         | 350         | SM           | С                   | Minor flail damage.                                                                                       | -                            | -       | -   | Remove | -                     |
| 444        | Т    | Oak         | 335         | SM           | С                   | Unable to fully<br>inspect due to ivy.<br>Low stem division.                                              | -                            | -       | -   | Remove | -                     |
| 450        | Т    | Oak         | 820         | М            | В                   | Minor deadwood.                                                                                           | -                            | -       | -   | Retain | -                     |
| 460        | Т    | Oak         | 1240        | М            | A                   | Old stem wound<br>and cavity with fire<br>damage. Branch<br>stubs. Bat roost<br>features.                 | Veteran<br>(potential)       | -       | -   | Retain | 18.6                  |

| Tree<br>ID | Туре | Species         | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                          | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|-----------------|-------------|--------------|---------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 461        | Т    | Field maple     | 550         | М            | В                   | -                                                                                                                     | -                            | -       | -   | Retain | -                     |
| 462        | Т    | Ash             | 760         | Μ            | С                   | Larger stem<br>codominant from<br>2m with vertical<br>split down<br>southern side.                                    | -                            | -       | -   | Retain | -                     |
| 470        | Т    | Lombardi poplar | 280         | SM           | С                   | -                                                                                                                     | -                            | -       | -   | Remove | -                     |
| 471        | Т    | Cypress         | 410         | EM           | С                   | Boundary tree flailed.                                                                                                | -                            | -       | -   | Remove | -                     |
| 472        | Т    | Weeping willow  | 900         | М            | В                   | Drive-by survey.<br>No access.                                                                                        | -                            | -       | -   | Remove | -                     |
| 478        | Т    | Field maple     | 290         | EM           | В                   | On water course<br>embankment.<br>Exposed roots.<br>Flailed. Stem<br>cavities. Canopy<br>cavities. Minor<br>deadwood. | -                            | -       | -   | Retain | -                     |
| 483        | Т    | Ash             | 210         | SM           | С                   | Flail damage.                                                                                                         | -                            | -       | -   | Remove | -                     |
| 486        | Т    | Ash             | 210         | SM           | С                   | Multi-stemmed<br>from base.<br>Hawthorn growing<br>within crown. Flail<br>damage.                                     | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                     | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------|-------------|--------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 487        | Т    | Oak     | 295         | SM           | С                   | Unable to fully<br>inspect due to<br>presence of<br>hedge. Stem<br>trifurcates at 1m<br>with tight forks.                        | -                            | -       | -   | Remove | -                     |
| 488        | Т    | Oak     | 230         | SM           | С                   | -                                                                                                                                | -                            | -       | -   | Remove | -                     |
| 489        | Т    | Oak     | 330         | SM           | В                   | Flail damage.                                                                                                                    | -                            | -       | -   | Remove | -                     |
| 490        | Т    | Oak     | 520         | SM           | В                   | Multi-stemmed<br>from base. Two<br>southern stems<br>fused at 1.7m.                                                              | -                            | -       | -   | Remove | -                     |
| 491        | Т    | Oak     | 300         | SM           | С                   | Codominant<br>leaders at 2m.<br>Eastern scaffold<br>removed for field<br>access. Occluded<br>wound.                              | -                            | -       | -   | Remove | -                     |
| 495        | Т    | Oak     | 525         | SM           | В                   | Two main stems rubbing at 3m.                                                                                                    | -                            | -       | -   | Remove | -                     |
| 497        | Т    | Oak     | 580         | EM           | В                   | Codominant<br>leaders at 2m.<br>Adaptive growth<br>on lower stem<br>suggests historic<br>vertical internal<br>crack. Stabilised. | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                                                                                                                                                                     | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------|-------------|--------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 498        | Т    | Oak     | 360         | SM           | В                   | Stem pruning<br>wounds. Historic<br>crown lift.                                                                                                                                                                                                                                                                  | -                            | -       | -   | Remove | -                     |
| 499        | Т    | Oak     | 220         | SM           | С                   | Flail damage.                                                                                                                                                                                                                                                                                                    | -                            | -       | -   | Retain | -                     |
| 502        | Т    | Oak     | 410         | SM           | С                   | -                                                                                                                                                                                                                                                                                                                | -                            | -       | -   | Remove | -                     |
| 503        | Т    | Oak     | 780         | EM           | В                   | -                                                                                                                                                                                                                                                                                                                | -                            | -       | -   | Remove | -                     |
| 505        | Т    | Ash     | 530         | Μ            | С                   | Historic loss of<br>codominant leader<br>at 7m with<br>associated<br>heartwood decay<br>and woodpecker<br>holes. <i>Inonotus</i><br><i>hispidus</i> fruiting<br>body scar below<br>tear out wound.<br>Upper crown<br>dieback in<br>remaining leader.<br>Established basal<br>suckers forming<br>secondary stems. | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species |     | Age<br>class | BS 5837<br>category | Observations                                                                                                                                    | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------|-----|--------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 506        | Т    | Oak     | 800 | EM           | В                   | Unable to fully<br>inspect due to<br>thorny vegetation<br>around stem.<br>Natural stem lean<br>to north. Dead tree<br>within crown to<br>south. | -                            | -       | -   | Remove | -                     |
| 508        | Т    | Ash     | 780 | EM           | В                   | Minor dead wood.<br>Stem pruning<br>wounds and<br>branch stubs.<br>Established basal<br>sucker growth<br>forming secondary<br>stems.            | -                            | -       | -   | Remove | -                     |
| 509        | Т    | Ash     | 625 | EM           | С                   | Historic coppice.<br>Inonotus hispidus<br>fruiting body on<br>one northern stem.                                                                | -                            | -       | -   | Remove | -                     |
| 514        | Т    | Ash     | 220 | SM           | С                   | -                                                                                                                                               | -                            | -       | -   | Remove | -                     |
| 515        | Т    | Oak     | 230 | SM           | С                   | Stem bleeds and<br>vertical cracks:<br>possibly<br>symptomatic of<br>acute oak decline.                                                         | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species      | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                 | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|--------------|-------------|--------------|---------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 516        | Т    | Oak          | 400         | SM           | В                   | Unable to fully<br>inspect due to<br>presence of<br>hedge. Flail<br>damage in lower<br>southern crown.                       | -                            | -       | -   | Remove | -                     |
| 517        | Т    | Oak          | 600         | SM           | В                   | Codominant<br>leaders at 1.5m<br>with tight fork.<br>Good adaptive<br>growth. Minor<br>dead wood.<br>Historic crown lift.    | -                            | -       | -   | Remove | -                     |
| 518        | Т    | Oak          | 450         | SM           | В                   | Unable to fully<br>inspect due to<br>presence of fence.                                                                      | -                            | -       | -   | Remove | -                     |
| 521        | Т    | White willow | 520         | EM           | С                   | Possibly cricket<br>bat willow left to<br>grow on. Flail<br>damage on<br>northern side.<br>Occasional stubs<br>from pruning. | -                            | -       | -   | Retain | -                     |
| 525        | Т    | Oak          | 900         | Μ            | A                   | Unable to fully<br>inspect due to ivy.<br>Minor dead wood<br>and storm<br>damage.                                            | -                            | -       | -   | Retain | -                     |

| Tree<br>ID | Туре | Species      | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                     | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|--------------|-------------|--------------|---------------------|----------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 531        | Т    | Crack willow | 650         | Μ            | С                   | Stems submerged<br>in dyke.<br>Dimensions<br>estimated.                          | -                            | -       | -   | Retain | -                     |
| 532        | Т    | Goat willow  | 335         | SM           | С                   | Stems submerged in dyke.                                                         | -                            | -       | -   | Retain | -                     |
| 539        | Т    | Hawthorn     | 310         | EM           | С                   | -                                                                                | -                            | -       | -   | Retain | -                     |
| 541        | Т    | Hawthorn     | 400         | EM           | С                   | -                                                                                | -                            | -       | -   | Retain | -                     |
| 542        | Т    | Hawthorn     | 410         | EM           | С                   | Two main stems<br>historic split near<br>base but appears<br>to have stabilised. | -                            | -       | -   | Retain | -                     |
| 543        | Т    | Hawthorn     | 350         | EM           | С                   | -                                                                                | -                            | -       | -   | Retain | -                     |
| 544        | Т    | Hawthorn     | 310         | EM           | С                   | -                                                                                | -                            | -       | -   | Retain | -                     |
| 545        | Т    | Hawthorn     | 175         | SM           | С                   | -                                                                                | -                            | -       | -   | Retain | -                     |
| 546        | Т    | Hawthorn     | 215         | SM           | С                   | -                                                                                | -                            | -       | -   | Retain | -                     |
| 547        | Т    | Hawthorn     | 185         | SM           | С                   | Growing from steep ditch bank.                                                   | -                            | -       | -   | Retain | -                     |
| 553        | Т    | White poplar | 500         | EM           | В                   | Observed from opposite bank.                                                     | -                            | -       | -   | Retain | -                     |
| 554        | Т    | Hawthorn     | 235         | SM           | С                   | -                                                                                | -                            | -       | -   | Retain | -                     |

| Tree<br>ID | Туре | Species | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                       | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------|-------------|--------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 555        | Т    | Oak     | 900         | Μ            | A                   | Old large wound<br>on southern stem<br>base. Large dead<br>wood in lower<br>crown. Probably<br>historic storm<br>damage. Potential<br>roost features.              | Veteran<br>(potential)       | -       | -   | Retain | 13.5                  |
| 557        | Т    | Oak     | 800         | М            | A                   | Lapsed pollard at<br>4m. Minor dead<br>wood. Hollowing<br>stem. Old fire<br>damage in small<br>basal wound on<br>southern side.<br>Deep ditch on<br>northern side. | Veteran<br>(potential)       | -       | -   | Retain | 12.0                  |
| 558        | Т    | Ash     | 700         | М            | A                   | Unable to fully<br>inspect due to ivy.<br>Form suggests<br>historic pollard.<br>Minor dead wood.<br>Deep ditch to<br>north.                                        | Veteran<br>(potential)       | -       | -   | Retain | 10.5                  |
| 560        | Т    | Oak     | 740         | М            | В                   | -                                                                                                                                                                  | -                            | -       | -   | Retain | -                     |
| 561        | Т    | Oak     | 900         | М            | В                   | Historic storm<br>damage. Potential<br>habitat features.                                                                                                           | -                            | -       | -   | Retain | -                     |

| Tree<br>ID | Туре | Species       |      | Age<br>class | BS 5837<br>category | Observations                                                               | Ancient /<br>veteran<br>tree | ATI ref | ТРО  | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------------|------|--------------|---------------------|----------------------------------------------------------------------------|------------------------------|---------|------|--------|-----------------------|
| 562        | Т    | Oak           | 1280 | -            | A                   | Form suggests<br>historic pollard.<br>Lapsed<br>management.                | Veteran<br>(potential)       | -       | -    | Retain | 19.2                  |
| 563        | Т    | Oak           | 700  | М            | A                   | Historic storm<br>damage. Bat roost<br>features.                           | Veteran<br>(potential)       | -       | -    | Retain | 10.5                  |
| 564        | Т    | Oak           | 690  | М            | В                   | Holes in stem.<br>Historic storm<br>damage.                                | -                            | -       | -    | Retain | -                     |
| 566        | Т    | Oak           | 830  | М            | A                   | -                                                                          | Veteran<br>(potential)       | -       | -    | Retain | 12.5                  |
| 567        | Т    | Oak           | 950  | М            | В                   | Historic storm<br>damage. Branch<br>tear outs.                             | -                            | -       | -    | Retain | -                     |
| 568        | Т    | Oak           | 810  | M            | В                   | Selective branch<br>reductions to clear<br>overhead<br>electricity cables. | -                            | -       | -    | Remove | -                     |
| 570        | Т    | Oak           | 1600 | ОМ           | A                   | Dead wood.<br>Potential habitat<br>features.                               | Veteran<br>(potential)       | -       | -    | Remove | 24.0                  |
| 571        | Т    | Corsican pine | 520  | EM           | В                   | -                                                                          | -                            | -       | 4-88 | Remove | -                     |
| 576        | Т    | Corsican pine | 730  | М            | В                   | -                                                                          | -                            | -       | 4-88 | Remove | -                     |
| 581        | Т    | Corsican pine | 700  | М            | В                   | -                                                                          | -                            | -       | -    | Remove | -                     |

| Tree<br>ID | Туре | Species       | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                                                            | Ancient /<br>veteran<br>tree | ATI ref | TPO   | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------------|-------------|--------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-------|--------|-----------------------|
| 582        | Т    | Corsican pine | 500         | EM           | В                   | Unable to fully inspect due to ivy.                                                                                                                                                                     | -                            | -       | -     | Remove | -                     |
| 583        | Т    | Corsican pine | 550         | EM           | В                   | Unable to fully inspect due to ivy.                                                                                                                                                                     | -                            | -       | -     | Remove | -                     |
| 584        | Т    | Corsican pine | 700         | М            | В                   | -                                                                                                                                                                                                       | -                            | -       | -     | Remove | -                     |
| 585        | Т    | Corsican pine | 800         | М            | В                   | Unable to fully inspect due to ivy.                                                                                                                                                                     | -                            | -       | -     | Remove | -                     |
| 586        | Т    | Oak           | 500         | SM           | В                   | -                                                                                                                                                                                                       | -                            | -       | -     | Remove | -                     |
| 605        | Т    | White willow  | 650         | EM           | С                   | Historic branch<br>pruning wounds.<br>Stubs and minor<br>storm damage.                                                                                                                                  | -                            | -       | -     | Retain | -                     |
| 606        | Т    | Ash           | 550         | SM           | В                   | Stem pruning<br>wounds. Minor<br>deadwood.                                                                                                                                                              | -                            | -       | 12-92 | Remove | -                     |
| 608        | Т    | Crack willow  | 1200        | ОМ           | С                   | Situated on<br>northern side of<br>ditch. Historic<br>scaffold limbs<br>failed and fallen<br>across ditch.<br>Branches and<br>layered limbs<br>forming secondary<br>stems on southern<br>side of ditch. | -                            | -       | 12-92 | Remove | -                     |

DBH

Age

(mm) class

BS 5837

category

| Observations                                                                                 | Ancient /<br>veteran<br>tree | ATI ref | ТРО   | Impact | Buffer<br>zone<br>(m) |
|----------------------------------------------------------------------------------------------|------------------------------|---------|-------|--------|-----------------------|
| Historic pollard.<br>Hole in scaffold<br>limb and potential<br>habitat features<br>and minor | Veteran<br>(potential)       | -       | 12-92 | Retain | 15.3                  |

| 609 | Т | Oak          | 1020 | Μ  | A | Historic pollard.<br>Hole in scaffold<br>limb and potential<br>habitat features<br>and minor<br>deadwood.                                 | Veteran<br>(potential) | - | 12-92 | Retain | 15.3 |
|-----|---|--------------|------|----|---|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---|-------|--------|------|
| 610 | Т | Crack willow | 650  | ЕМ | С | Three stems.<br>Possibly all from<br>same parent tree<br>but no central<br>stump visible.                                                 | -                      | - | -     | Remove | -    |
| 611 | Т | Ash          | 600  | М  | С | Historic crown<br>reduction.<br>Associated<br>occasional branch<br>dieback. Holes in<br>central leader.<br>Potential habitat<br>features. | -                      | - | -     | Remove | -    |
| 612 | Т | Oak          | 730  | Μ  | С | Occasional bleeds<br>on lower stem.<br>Possibly early<br>symptom of acute<br>oak decline.                                                 | -                      | - | -     | Remove | -    |

Tree Type Species

ID

| Tree<br>ID | Туре | Species |      | Age<br>class | BS 5837<br>category | Observations                                                                                                         | Ancient /<br>veteran<br>tree | ATI ref | ТРО   | Impact | Buffer<br>zone<br>(m) |
|------------|------|---------|------|--------------|---------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-------|--------|-----------------------|
| 613        | Т    | Oak     | 710  | EM           | В                   | Twin-stemmed<br>from ground level.<br>One stem leans<br>naturally to the<br>south-east. Deep<br>ditch south of tree. | -                            | -       | -     | Remove | -                     |
| 617        | Т    | Oak     | 1060 | Μ            | A                   | Large old wound<br>on northern side of<br>stem up to 2.3m<br>with heartwood<br>decay. Minor dead<br>wood.            | Veteran<br>(potential)       | -       | -     | Retain | 15.9                  |
| 618        | Т    | Oak     | 1000 | ОМ           | A                   | lvy.                                                                                                                 | Veteran<br>(potential)       | -       | -     | Retain | 15.0                  |
| 623        | Т    | Oak     | 850  | M            | С                   | Sparse outer<br>crown with branch<br>dieback on eastern<br>side. Powdery<br>mildew on<br>epicormic growth.           | -                            | -       | -     | Retain | -                     |
| 624        | Т    | Oak     | 890  | М            | A                   | Minor deadwood.<br>Typical of age and species.                                                                       | -                            | -       | -     | Retain | -                     |
| 625        | Т    | Oak     | 870  | М            | В                   | Low vigour.                                                                                                          | -                            | -       | 20-81 | Remove | -                     |
| 627        | Т    | Oak     | 910  | М            | В                   | -                                                                                                                    | -                            | -       | -     | Retain | -                     |
| 629        | Т    | Oak     | 980  | М            | В                   | Historic storm damage.                                                                                               | -                            | -       | -     | Retain | -                     |

| Tree<br>ID | Туре | Species      | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                 | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|--------------|-------------|--------------|---------------------|------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 630        | Т    | Oak          | 1800        | М            | A                   | Codominant<br>leaders at 4m.                                                 | Veteran<br>(potential)       | 185655  | -   | Retain | 27.0                  |
| 641        | Т    | Whitebeam    | 410         | EM           | В                   | Historical crown<br>lift.                                                    | -                            | -       | -   | Retain | -                     |
| 642        | Т    | Whitebeam    | 340         | EM           | В                   | Historical crown<br>lift. Stem wound.                                        | -                            | -       | -   | Retain | -                     |
| 646        | Т    | Norway maple | 290         | SM           | В                   | -                                                                            | -                            | -       | -   | Retain | -                     |
| 649        | Т    | Norway maple | 420         | EM           | В                   | -                                                                            | -                            | -       | -   | Retain | -                     |
| 650        | Т    | Lime         | 340         | SM           | В                   | -                                                                            | -                            | -       | -   | Retain | -                     |
| 652        | Т    | Ash          | 280         | SM           | В                   | -                                                                            | -                            | -       | -   | Retain | -                     |
| 653        | Т    | Ash          | 260         | SM           | В                   | -                                                                            | -                            | -       | -   | Retain | -                     |
| 655        | Т    | Norway maple | 320         | SM           | В                   | -                                                                            | -                            | -       | -   | Retain | -                     |
| 658        | Т    | Turkey oak   | 930         | М            | В                   | -                                                                            | -                            | -       | -   | Retain | -                     |
| 659        | Т    | Ash          | 615         | Μ            | В                   | Remaining live<br>stems on pollard.<br>Lapsed<br>management.<br>Hollow stem. | -                            | -       | -   | Retain | -                     |
| 703        | Т    | Cherry       | 90          | Y            | С                   | -                                                                            | -                            | -       | -   | Remove | -                     |
| 713        | Т    | London plane | 1000        | М            | В                   | Unable to fully inspect due to ivy.                                          | -                            | -       | -   | Retain | -                     |
| 715        | Т    | Norway maple | 470         | EM           | В                   | Minor dead wood.                                                             | -                            | -       | -   | Retain | -                     |
| 716        | Т    | Whitebeam    | 440         | EM           | В                   | -                                                                            | -                            | -       | -   | Retain | -                     |
| 717        | Т    | Cherry       | 440         | EM           | С                   | -                                                                            | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species         | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                      | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|-----------------|-------------|--------------|---------------------|---------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 718        | Т    | Oak             | 380         | SM           | В                   | -                                                 | -                            | -       | -   | Remove | -                     |
| 719        | Т    | Oak             | 250         | SM           | В                   | -                                                 | -                            | -       | -   | Remove | -                     |
| 720        | Т    | Scots pine      | 410         | EM           | В                   | -                                                 | -                            | -       | -   | Remove | -                     |
| 721        | Т    | Scots pine      | 310         | EM           | В                   | -                                                 | -                            | -       | -   | Remove | -                     |
| 722        | Т    | Leyland cypress | 360         | SM           | С                   | Fire damage on northern side.                     | -                            | -       | -   | Remove | -                     |
| 723        | Т    | Oak             | 280         | SM           | В                   | -                                                 | -                            | -       | -   | Remove | -                     |
| 724        | Т    | Poplar          | 670         | EM           | С                   | Low stem divisions with tight forks.              | -                            | -       | -   | Remove | -                     |
| 725        | Т    | Crack willow    | 510         | EM           | В                   | -                                                 | -                            | -       | -   | Retain | -                     |
| 726        | Т    | Oak             | 230         | SM           | В                   | Established basal growth forming secondary stems. | -                            | -       | -   | Remove | -                     |
| 727        | Т    | Eucalyptus      | 290         | SM           | В                   | -                                                 | -                            | -       | -   | Remove | -                     |
| 728        | Т    | Goat willow     | 450         | М            | С                   | Multi-stem. Recent stem fracture.                 | -                            | -       | -   | Remove | -                     |
| 729        | Т    | Elder           | 160         | SM           | С                   | -                                                 | -                            | -       | -   | Remove | -                     |
| 730        | Т    | Weeping willow  | 270         | SM           | С                   | -                                                 | -                            | -       | -   | Remove | -                     |
| 731        | Т    | Weeping willow  | 250         | SM           | С                   | -                                                 | -                            | -       | -   | Retain | -                     |
| 732        | Т    | Hawthorn        | 330         | EM           | В                   | -                                                 | -                            | -       | -   | Remove | -                     |
| 733        | Т    | Rowan           | 200         | SM           | С                   | Flailed crown.                                    | -                            | -       | -   | Remove | -                     |
| 734        | Т    | Goat willow     | 165         | SM           | С                   | Historical crown reduction.                       | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species            | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                          | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|--------------------|-------------|--------------|---------------------|---------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 735        | Т    | Apple              | 270         | Μ            | С                   | Upper crown<br>dieback.                                                               | -                            | -       | -   | Remove | -                     |
| 736        | Т    | Weeping willow     | 840         | М            | С                   | Historical crown lift<br>and reduction.<br>Large stem<br>pruning wounds.              | -                            | -       | -   | Remove | -                     |
| 737        | Т    | Hawthorn           | 240         | EM           | С                   | Historical crown lift.                                                                | -                            | -       | -   | Remove | -                     |
| 738        | Т    | Cherry             | 300         | EM           | С                   | Historical crown<br>reduction to clear<br>cables. Dead<br>branches in lower<br>crown. | -                            | -       | -   | Remove | -                     |
| 739        | Т    | Tree of heaven     | 170         | SM           | С                   | Located close to house.                                                               | -                            | -       | -   | Remove | -                     |
| 740        | Т    | Tree of heaven     | 160         | SM           | U                   | Topped stem with no regrowth.                                                         | -                            | -       | -   | Remove | -                     |
| 741        | Т    | Purple leafed plum | 260         | SM           | С                   | -                                                                                     | -                            | -       | -   | Remove | -                     |
| 742        | т    | Elder              | 200         | SM           | U                   | -                                                                                     | -                            | -       | -   | Remove | -                     |
| 743        | Т    | Cabbage palm       | 100         | SM           | С                   | -                                                                                     | -                            | -       | -   | Remove | -                     |
| 744        | Т    | Rowan              | 225         | SM           | С                   | -                                                                                     | -                            | -       | -   | Remove | -                     |
| 745        | Т    | Lime               | 420         | SM           | С                   | -                                                                                     | -                            | -       | -   | Remove | -                     |
| 746        | Т    | Lime               | 140         | SM           | С                   | -                                                                                     | -                            | -       | -   | Remove | -                     |
| 747        | Т    | Eucalyptus         | 490         | SM           | В                   | -                                                                                     | -                            | -       | -   | Remove | -                     |
| 748        | Т    | Tree of heaven     | 280         | SM           | С                   | -                                                                                     | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species          | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                                                         | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact | Buffer<br>zone<br>(m) |
|------------|------|------------------|-------------|--------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|--------|-----------------------|
| 749        | Т    | Hawthorn         | 140         | SM           | С                   | Suppressed.                                                                                                                                                                                          | -                            | -       | -   | Remove | -                     |
| 750        | Т    | Hornbeam         | 150         | SM           | С                   | -                                                                                                                                                                                                    | -                            | -       | -   | Remove | -                     |
| 751        | Т    | Leyland cypress  | 290         | EM           | С                   | Topped. Minor<br>upper crown<br>dieback.                                                                                                                                                             | -                            | -       | -   | Remove | -                     |
| 752        | Т    | Poplar           | 680         | EM           | С                   | -                                                                                                                                                                                                    | -                            | -       | -   | Remove | -                     |
| 753        | Т    | Leyland cypress  | 360         | EM           | U                   | Topped. Crown<br>dieback:<br><i>Coryneum</i> canker<br>present.                                                                                                                                      | -                            | -       | -   | Remove | -                     |
| 754        | Т    | Fig              | 240         | SM           | В                   | -                                                                                                                                                                                                    | -                            | -       | -   | Remove | -                     |
| 755        | Т    | Cherry           | 120         | SM           | С                   | -                                                                                                                                                                                                    | -                            | -       | -   | Remove | -                     |
| 756        | т    | Ash              | 700         | М            | С                   | Historical crown<br>reduction. Cavities<br>and <i>Inonotus</i><br><i>hispidus</i> fruiting<br>bodies on both<br>codominant<br>leaders. Stem<br>wound and cavity.<br>Potential bat roost<br>features. | -                            | -       | -   | Remove | -                     |
| 757        | Т    | Tree of heaven   | 385         | SM           | С                   | -                                                                                                                                                                                                    | -                            | -       | -   | Remove | -                     |
| 758        | Т    | Ash              | 90          | Y            | С                   | -                                                                                                                                                                                                    | -                            | -       | -   | Remove | -                     |
| 759        | Т    | Monterey cypress | 550         | SM           | В                   | -                                                                                                                                                                                                    | -                            | -       | -   | Remove | -                     |

| Tree<br>ID | Туре | Species                                                                                                     | DBH<br>(mm) | Age<br>class | BS 5837<br>category | Observations                                                                                                                                                                                                                           | Ancient /<br>veteran<br>tree | ATI ref | ТРО      | Impact      | Buffer<br>zone<br>(m) |
|------------|------|-------------------------------------------------------------------------------------------------------------|-------------|--------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|----------|-------------|-----------------------|
| 760        | Т    | Weeping willow                                                                                              | 800         | М            | С                   | Unable to fully<br>inspect due to ivy                                                                                                                                                                                                  | -                            | -       | -        | Retain      | -                     |
| 761        | Т    | Sycamore                                                                                                    | 290         | SM           | С                   | Self-set                                                                                                                                                                                                                               | -                            | -       | -        | Retain      | -                     |
| 762        | Т    | Horse chestnut                                                                                              | 920         | М            | В                   | -                                                                                                                                                                                                                                      | -                            | -       | -        | Retain      | -                     |
| 763        | Т    | Eucalyptus                                                                                                  | 800         | EM           | В                   | -                                                                                                                                                                                                                                      | -                            | -       | -        | Retain      | -                     |
| 49         | W    | Beech, sweet chestnut,<br>oak, ash, birch                                                                   | 1600        | Μ            | A                   | No access.<br>Viewed from<br>distance. Large<br>beech trees to<br>western end.<br>Large trees<br>throughout. Large<br>scale clearance<br>within with mature<br>trees retained.<br>Denser to east.<br>Standing dead.<br>Major deadwood. | -                            | -       | -        | Remove      | -                     |
| 76         | W    | Oak, hazel, goat willow,<br>larch, grand fir, aspen,<br>Scots pine, hawthorn,<br>blackthorn, cherry, apple. | 190         | SM           | С                   | Recently planted<br>woodland creation.<br>Varied mostly<br>broadleaf with<br>hazel coppice<br>areas                                                                                                                                    | -                            | -       | -        | Part remove | -                     |
| 203        | W    | Oak, sweet chestnut,<br>cherry, poplar, silver birch                                                        | 780         | EM           | A                   | Standards with<br>internal areas of<br>coppice                                                                                                                                                                                         | -                            | -       | 1981.003 | Retain      | -                     |

| Tree<br>ID | Туре | Species                                                                                      | DBH<br>(mm) |    | BS 5837<br>category | Observations                                                                                                                                                                                                                             | Ancient /<br>veteran<br>tree | ATI ref | ТРО | Impact      | Buffer<br>zone<br>(m) |
|------------|------|----------------------------------------------------------------------------------------------|-------------|----|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-----|-------------|-----------------------|
| 559        | W    | Ash, willow, elm, cherry,<br>hawthorn, horse chestnut                                        | 450         | EM | В                   | Open woodland<br>dominated by ash.<br>Most coppiced in<br>the past.<br>Occasional<br>planted<br>specimens. Little<br>understory. One<br>healthy early<br>mature elm in<br>centre. Small elms<br>along edge with<br>Dutch elm<br>disease. | -                            | -       | -   | Part remove | -                     |
| 614        | W    | Oak, silver birch, field<br>maple, goat willow,<br>hawthorn, cherry plum,<br>ash, blackthorn | 750         | SM | В                   | Dense woodland.<br>Only management<br>appears to be<br>periodic<br>coppicing/felling of<br>trees beneath<br>electricity cables.<br>Occasional dead<br>tree.                                                                              | -                            | -       | -   | Part remove | -                     |

## Annex F Tree survey summary schedule

- F.1.1 A schedule of all trees, tree groups and woodlands recorded during the tree survey is presented in Table E-1.
- F.1.2 The following Tree ID numbers have been deliberately excluded from the survey schedule for the reason given beneath: 7-15, 63, 67, 69, 72, 73, 75, 96, 97, 106, 107, 123, 148, 149, 151-156, 176, 179-182, 195, 199-201, 297, 298, 303, 310, 319-324, 341, 358, 448, 451-454, 456, 457, 526, 527, 565, 569, 572-575, 577-579, 595, 602, 616, 619, 622, 628 and 647. Numbers have been excluded on the basis that they relate to tree survey data which is no longer of relevance to this assessment due to changes in the Order Limits or because data has been superseded.

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