

**LEGAL AND GENERAL (STRATEGIC LAND NORTH HORSHAM) LIMITED**

**LAND NORTH OF HORSHAM - EMPLOYMENT LAND**

**BS:5837 ARBORICULTURAL IMPACT ASSESSMENT**

**ISSUE: Tuesday, 14 July 2026**

**CLIENT** Legal and General (Strategic Land North Horsham) Limited

**PROJECT** Land North of Horsham - Employment Land

**REPORT TITLE** BS:5837 AIA / AMS

**DJA Reference:** 2898-2-17-TD-2002-S5-P2 North Horsham Employment Land AIA

**Revision:** P2

**Issue Date:** Tuesday, 14 July 2026

#### REPORT REVISIONS

| Revision | Date       | Description      | Prepared | Approved |
|----------|------------|------------------|----------|----------|
| P1       | 01/12/2025 | Issue            | SCD      | PG       |
| P2       | 14/07/2026 | Minor amendments | SCD      | PG       |
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|          |            |                  |          |          |

**CONTENTS:**

|                                                 |          |
|-------------------------------------------------|----------|
| <b>1. INTRODUCTION .....</b>                    | <b>4</b> |
| <b>2. CONTACTS .....</b>                        | <b>5</b> |
| <b>3. PLANNING BACKGROUND .....</b>             | <b>6</b> |
| <b>4. LEGAL PROTECTION (TREES) .....</b>        | <b>7</b> |
| <b>5. ARBORICULTURAL IMPACT ASSESSMENT.....</b> | <b>8</b> |

**Figures:**

1. Horsham District Council Tree Preservation Order Map
2. Employment Land Parameter Plan

**Appendices:**

1. Survey Key
2. BS:5837 (2012): Cascade chart for tree quality assessment
3. Survey Appraisal
4. Tree Survey Data
5. Tree Protection Fencing Structure
6. All-weather Tree Protection Fencing Signage
7. Qualifications

## 1. INTRODUCTION

### Background

- 1.1 This report has been commissioned by Legal and General (Strategic Land North Horsham Limited) ('The Applicant').
- 1.2 David Jarvis Associates have been commissioned to provide an Arboricultural Impact Assessment in accordance with the guidelines and recommendations in the British Standard (BS) 5837:2012 *Trees in Relation to Design, Demolition and Construction*, in relation to the proposed outline planning application for the development of Mowbray (Formerly land north of Horsham) Employment Land.
- 1.3 The purpose of the report is to provide an arboricultural overview of the proposed development on trees where they might be affected by the redevelopment of the Employment Land / Industrial Area and all associated works.
- 1.4 This report considers the short or longer-term impact the development will have on the surrounding trees and makes recommendations for amendments or mitigation where appropriate.

### Scope

- 1.5 The scope and level of detail included in this report, complies with the requirements of British Standard (BS) 5837:2012 *Trees in Relation to Design, Demolition and Construction – Recommendations* (BS:5837 Table B.1).
- 1.6 This report has been prepared on behalf of Legal and General (Strategic Land North Horsham Limited) ('The Applicant') and should be read in conjunction with the arboricultural survey ref: 2898-17-2-SCD-0001-S0-P1 Phase 2 BS5837 Arboricultural Survey 100223 (July 2023).
- 1.7 The British Standard 5837:2012 'Trees in Relation to Design, Demolition and Construction' is designed to assist those concerned with trees in relation to construction to form balanced judgments. This report does not therefore seek to put arguments for or against development but provides a means of protecting trees which may be affected during development.
- 1.8 The report is for the sole use of the client and their appointed agents. Its reproduction or use by anyone else is forbidden unless written consent is given by the author.

## 2. CONTACTS

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### 3. PLANNING BACKGROUND

- 3.1 An application for outline Planning Permission (LPA ref. DC/16/1677: 'the OPP') for the following development was submitted to Horsham District Council on 4<sup>th</sup> August 2016.
- 3.2 'Outline planning application with all matters reserved except access for a mixed-use strategic development to include housing (up to 2,750 dwellings), business park (up to 46,450m<sup>2</sup>), retail community, leisure facilities, education facilities, public open space, landscaping and related infrastructure.'
- 3.3 Permission was granted subject to conditions on the 1st of March 2018
- 3.4 The applicant has progressed applications pursuant to the OPP and stand-alone to allow construction to commence and further strategic development to be delivered.
- 3.5 The OPP, secured in March 2018 included consent in principle for the new business park and the client and design team have extensively explored masterplan options to deliver this element.
- 3.6 However, the time limit for the submission of Reserved Matters (pursuant to the OPP) on the Employment Land has passed. L&G is therefore preparing a new outline planning application for the Employment Land. Due to current local market conditions, Legal and General are now also exploring options for a mixed use masterplan with diversification of uses to include logistics and light industrial.
- 3.7 Whilst the OPP conditions no longer apply to the Employment Land areas of Mowbray, their principles and requirements, alongside best practice in assessing impacts on trees/ hedgerows, have informed the approach taken in this report including the requirements of OPP Condition 16:

#### 16. Pre-Commencement Condition:

*No development shall commence within any Reserved Matters Area or on works to construct the accesses hereby approved, including demolition pursuant to the permission granted, ground clearance, or bringing equipment, machinery or materials onto the relevant part of the site, until the following preliminaries have been completed in the sequence set out below:*

*a) A plan shall be submitted to show all trees on the relevant part of the site to be retained as well as those off-site whose root protection areas ingress into the relevant part of the site, such trees shall be fully protected by tree protective fencing affixed to the ground in full accordance with section 6 of BS 5837 'Trees in Relation to Design, Demolition and Construction - Recommendations' (2012).*

*b) Once installed, the fencing shall be maintained during the course of the development works for that phase or sub-phase and until all machinery and surplus materials have been removed from the site.*

*c) Areas so fenced off shall be treated as zones of prohibited access, and shall not be used for the storage of materials, equipment or machinery in any circumstances. No mixing of cement, concrete, or use of other materials or substances shall take place within any tree protective zone, or close enough to such a zone that seepage or displacement of those materials and substances could cause them to enter a zone.*

*Reason: As this matter is fundamental to ensure the successful and satisfactory retention of important trees and hedgerows on the site in accordance with Policy 33 of the Horsham District Planning Framework (2015).*

## 4. LEGAL PROTECTION (TREES)

### Tree Preservation Orders

- 4.1 At the time of this report (24/11/2025), I have confirmed on the Horsham District Council TPO Map that there are no Tree Preservation Orders affecting the Employment Land development area.
- 4.2 Bush Copse beyond the northwest boundary of the site is subject of TPO/1476. This woodland is over 140m from the build site and will not be impacted by the build.

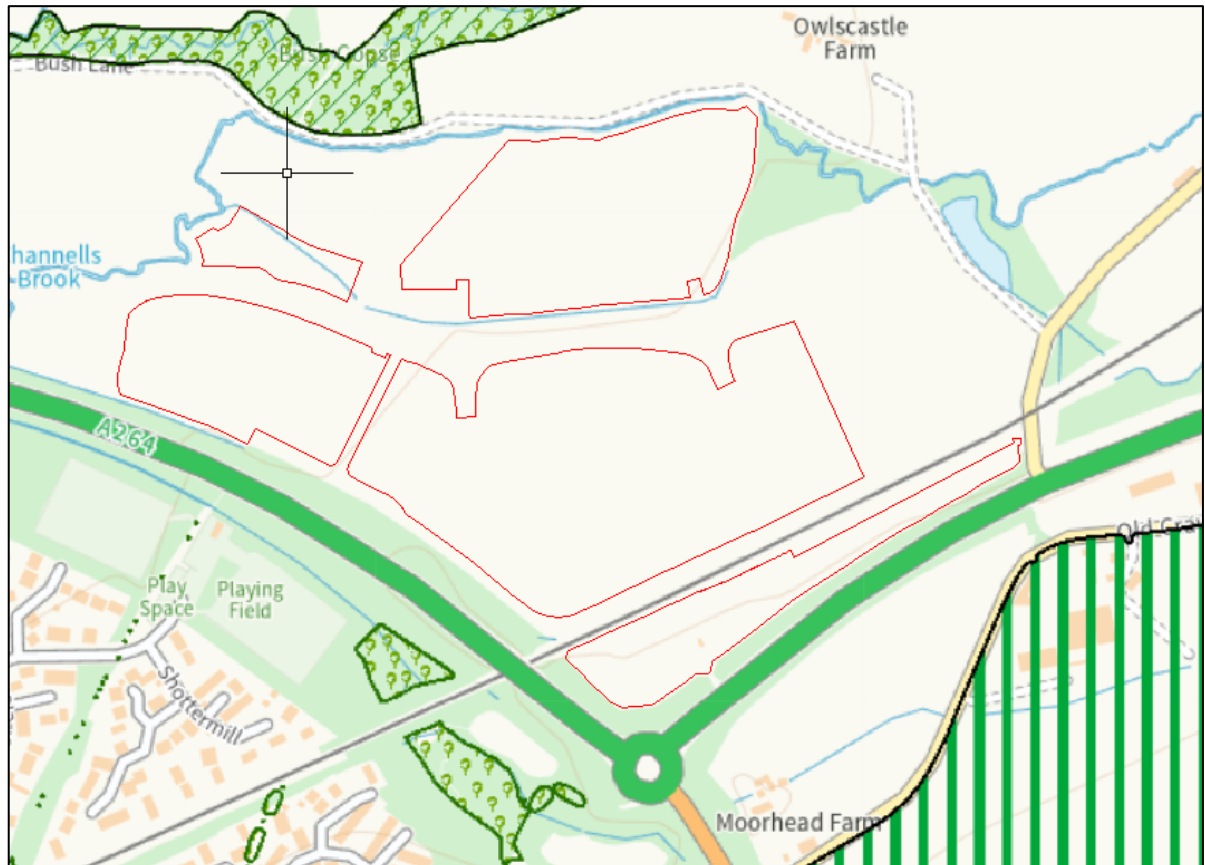


Figure 1 – Horsham District Council Tree Preservation Order Map

### Conservation Areas

- 4.3 I have confirmed on the Horsham District Council online mapping portal that the Employment Land Development Area is not within a Conservation Area.

### Ancient Woodland

- 4.4 Bush Copse beyond the northwest boundary of the site is recorded as Ancient Woodland.
- 4.5 For ancient woodlands, Government guidelines recommend a buffer zone of at least 15 metres from the boundary of the woodland. Where assessment shows other impacts are likely to extend beyond this distance, the proposal is likely to need a larger buffer zone.
- 4.6 The proposed new Employment Land Development Area is over 140m from the woodland edge and well beyond the Ancient Woodland Buffer Zone.

## 5. ARBORICULTURAL IMPACT ASSESSMENT

### Introduction

- 5.1 The purpose of this Arboricultural Impact Assessment is to provide an Arboricultural overview of the proposed Employment Land Masterplan as it relates to trees within the Mowbray Strategic Development Site.
- 5.2 This assessment will identify any potentially damaging activities proposed near the trees growing on and adjacent to the site. Where conflict is identified, this report will recommend design solutions or mitigation as appropriate.

### Site Description

- 5.3 The Employment Land site consists of five separate parcels of industrial land which will be connected via a proposed new access road, linking to the A264 LILO junction to the west and Phase 2 to the east.
- 5.4 This central connecting 'Employment Road' is currently under consideration under planning application ref: DC/25/1543.

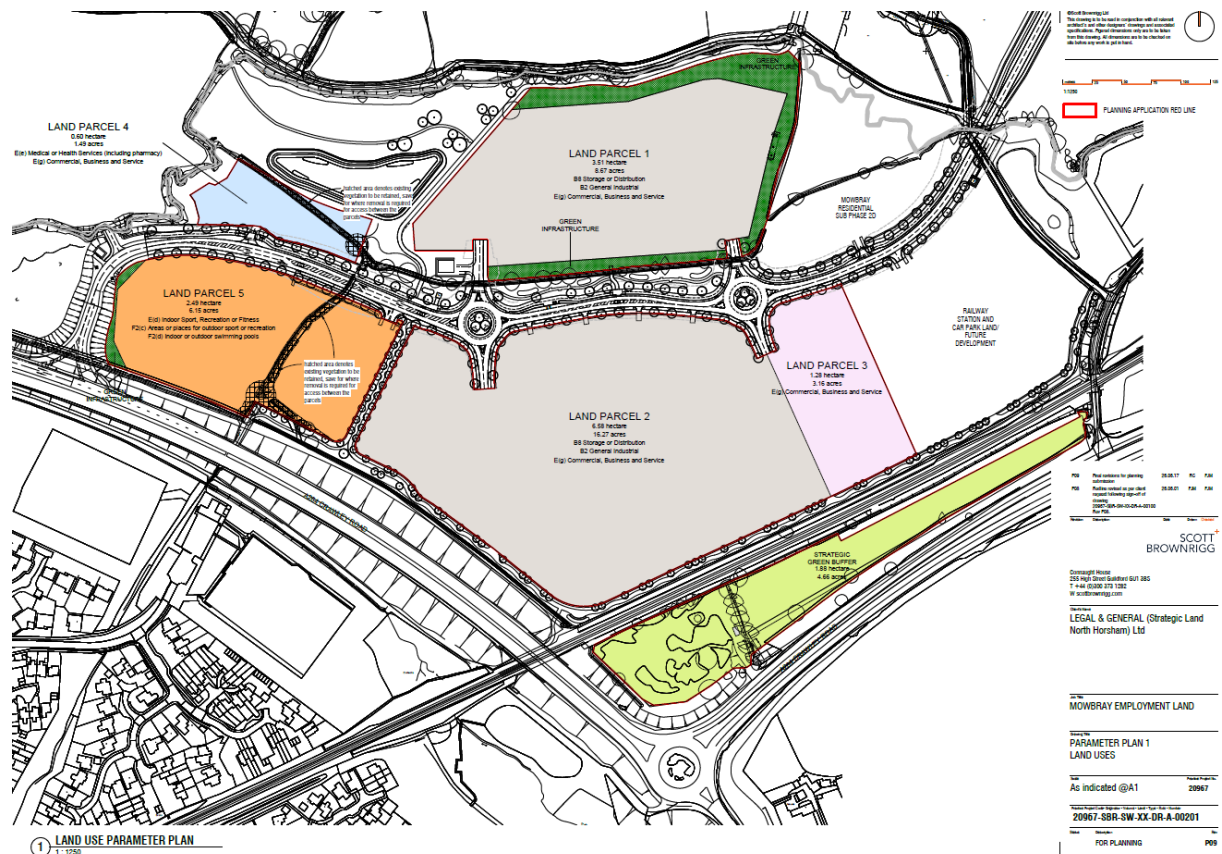


Figure 2 – Employment Land Parameter Plan

- 5.5 The Employment Land site is currently agricultural land and consists of arable fields divided by mature hedgerows within which are growing a number of individual mature trees. Beyond the northwest boundary of the development site is an Ancient Woodland known locally as Bush Copse.
- 5.6 The site is gently sloping with no pre-existing development.

## Soil

- 5.7 The British Geological Survey 1:50 000 scale bedrock geology description for this area is Weald Clay Formation to the north, and Upper Tunbridge Wells Sand to the south consisting of Sandstone and mudstone.
- 5.8 The soil in this area is therefore vulnerable to damage through compaction. Where clay is present, soil may be 'shrinkable' and may have some capacity to shrink and swell with changing moisture levels.
- 5.9 Due care must be taken to construct foundations to a depth sufficient to resist soil shrinkage through desiccation, taking into account the presence and future growth of the adjacent trees.

## Site specific Assessment

- 5.10 The suitability of planning development in relation to trees is assessed by the Local Authority in accordance with the British Standard 5837: 2012 'Trees in Relation to Design, Demolition and Construction.
- 5.11 This document requires that the conception and design of the final development layout must take into account the constraints posed by the trees on site. These constraints include not only the existing canopy and likely root spread but also:
- The ultimate height and spread of the trees.
  - Potential impact of species characteristics for future residents – evergreen / deciduous, density of foliage, seasonal leaf drop / berries etc.
  - Current and future shade patterns.
- 5.12 The default position in planning is that every effort should be made to retain and protect the category A and B trees on site and that new structures should be located outside of the identified RPA's of trees to be retained.
- 5.13 It is intended that all trees of high and moderate quality will be retained within the design, ensuring that their long-term contributions to local amenity and the character of the developed site is maintained.
- 5.14 Three illustrative masterplans have been provided as potential site layouts for the new Employment Land Areas. Most trees relevant to this application are growing offsite. Where trees (and/or their root protection areas) grow within the Employment Land boundaries, the illustrative masterplans have been designed around the Arboricultural Constraints of the site.
- 5.15 For all three masterplans, three gaps will be created through sections of the existing hedgerows for access, however, the greater part of the existing hedgerow layout will be retained to reflect the historic landscape within the context of the developed Industrial Area.
- 5.16 All significant and intensive construction activities have been positioned outside the Root Protection Areas (RPAs) of trees.
- 5.17 Where development is required within the Root Protection Areas of trees, it is a lightweight pedestrian surface / or parking area. These new, lightweight surfaces can be installed using a low-dig methodology to limit any ground disturbance within the root protection areas of the affected trees.
- 5.18 **Care should be taken within the final design to ensure new areas of hard landscaping do not exceed 20% of the previously undeveloped root protection area of any one tree.**

**Tree Protection**

- 5.19 Standard protective fencing and ground protection will be implemented around the site in accordance with BS 5837:2012 guidance, ensuring trees are safeguarded throughout all phases of construction.
- 5.20 The structure of the Tree Protection Fencing used on the Mowbray Site is provided in Appendix 5 and has been confirmed as being fit-for-purpose by Horsham District Council's Tree Officer.
- 5.21 Public information signage will be attached to the fencing (See Appendix 6)

**Soil & Drainage**

- 5.22 The development does not necessitate changes to soil levels on site where they might negatively affect the physiological conditions of retained trees.

**Long-Term Implications**

- 5.23 On completion of development, there will be a good and sustainable gap between the developed areas and retained trees on site with an allowance for future tree growth. The proposed layout is therefore sustainable as it relates to trees and would not result in further pressure to prune or remove established trees on completion of the Mowbray Employment Land development.

**Conclusions**

- 5.24 The outline application for the development of the Mowbray Employment Land Area has been fully considered in accordance with the guidelines and recommendations from BS:5837 'Trees in Relation to Design, Demolition and Construction'.
- 5.25 Trees on site have been surveyed and categorised in terms of quality and amenity value in accordance with the British Standard.
- 5.26 The three illustrative masterplans submitted in support of the application give options for the future redevelopment of the site. Each proposed layout has been influenced by the existing tree stock and designed to create an appropriate and sympathetic layout as it relates to trees. Each illustrative masterplan allows for the retention of existing high-quality trees within the context of the developed landscape.
- 5.27 The proposed development will be enhanced by a robust scheme of new tree and landscape planting which will greatly increase the net number of trees on site and tree canopy cover. New trees are to be planted in broad amenity areas where they can grow to their full potential without impacting on the development or existing retained trees.
- 5.28 This application is therefore respectful to the preservation of trees and the enhancement of tree canopy cover.
- 5.29 A detailed Arboricultural Method Statement will be submitted in support of a future Reserved Matters Application once the final site layout has been confirmed.

## APPENDIX 1

### Survey Key

**Ref:** T001 = Tree 1                      G001 = Group 1  
A001 = Area 1                      W001 = Woodland 1

**Species:** Common name (Botanical name)

**Height:** Measured with a clinometer (m) where possible or estimated when part of a group

**Stem:** Stem diameter taken at 1.5m with girth tape or rule and recorded in millimetres

**Branch spread:** Paced measurements at compass points or with a laser measure.

Crown clearance: Existing height above ground level of canopy and / or first significant branch direction of growth in metres e.g. 2.4 (N) where relevant.

**Epics:** Lower canopy created by epicormic growth.

**Age Class:** Newly planted - 3 years following planting  
Young - Tree well established but with juvenile crown form  
Young Mature - Tree in first third of usual life expectancy for species  
Mature - Tree in second third of usual life expectancy for species  
Over Mature - Tree in final third of usual life expectancy for species / exhibiting signs of crown retrenchment & senescence  
Veteran - Older than usual for species or with historical/ cultural / ecological value

**General Observations:** Made with reference to physiological condition (health, vigour) and structural condition, noting evidence of decay, structural weakness and physical defect and preliminary management recommendations.

**Estimated Remaining Contribution:** Estimated in years - less than 10, 10-20, 20-40, 40+

**BS: 5837:2012 category rating:** In accordance with the guidelines of the British Standard.

● Category 'A' tree (Green)                      ● Category 'C' tree (Grey)  
● Category 'B' tree (Blue)                      ● Category 'U' tree – Fell (Red)

**RPA Area** BS:5837 (2012) Root Protection Area calculation in square metres

**RPA Radius** BS:5837 (2012) Root Protection Area calculation circle radius in metres. <sup>1</sup>

<sup>1</sup> The root protection area radius is for information only and may not be appropriate in every case. BS:5837 advises that 'the RPA for each tree should initially be plotted as a circle centred on the base of the stem. Where pre-existing site conditions or other factors indicate that rooting may have occurred asymmetrically, a polygon of equivalent area should be produced. Modifications to the shape of the RPA should reflect a soundly based arboricultural assessment of likely root distributions.'

## APPENDIX 2

## BS:5837 (2012): Cascade chart for tree quality assessment

| CATEGORY & DEFINITION                                                                                                                                                      | CRITERIA (INCLUDING SUB-CATEGORIES WHERE APPROPRIATE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                             |                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Trees unsuitable for retention</b>                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                             |                                                                                                                                       |
| <b>CATEGORY U</b><br>Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years. | <ul style="list-style-type: none"> <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 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> <li>NOTE: Category U trees can have existing or potential conservation value which it might be desirable to preserve</li> </ul> |                                                                                                                                                                                                                                                             |                                                                                                                                       |
|                                                                                                                                                                            | <b>Mainly Arboricultural Qualities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Mainly Landscape Qualities</b>                                                                                                                                                                                                                           | <b>Mainly cultural values including conservation</b>                                                                                  |
| <b>Trees considered suitable for retention</b>                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                             |                                                                                                                                       |
| <b>CATEGORY A</b><br>Trees of <b>High Quality</b> with an estimated remaining life expectancy of at least 40 years.                                                        | Trees that are particularly good examples of their species especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and / or principal trees within an avenue)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Trees, groups or woodlands of particular visual importance as arboricultural and / or landscape features.                                                                                                                                                   | Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood pasture) |
| <b>CATEGORY B</b><br>Trees of <b>Moderate Quality</b> with an estimated remaining life expectancy of at least 20 years                                                     | Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remedial defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality to merit the category A designation.                                                                                                                                                                                                                                                                                                                                                                                                         | Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little contribution to the wider locality. | Trees with material conservation or other cultural value.                                                                             |
| <b>CATEGORY C</b><br>Trees of <b>Low Quality</b> with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.        | Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Trees present in groups or woodlands but without this conferring on them significantly greater collective landscape value; and/ or trees offering low or only temporary / transient landscape benefits.                                                     | Trees with no material conservation or other cultural value.                                                                          |

## APPENDIX 3

### Survey Appraisal

The trees were surveyed as part of a wider survey of trees within the Phase 2 North Horsham Development Area in July 2023.

Trees were viewed from ground level only. Heights were estimated where part of a group. Girth and canopy spread was measured with a laser measure or estimated where trees were not accessible. Soil samples were not taken.

The trees on site were assessed for their quality and benefits within the context of the proposed development and categorised in accordance with the recommendations in the BS:5837:2012.

Obvious defects have been noted on the trees, however, this survey is for planning use only and does not constitute a detailed health and safety survey of the trees. Its use as such is invalid.

Trees are dynamic living organisms subject to change, whose health and condition can be subject to significant change influenced by internal and external factors. The assessment of trees in this report are based on the condition assessed at the time of inspection and are valid for 18 months.

If the condition of the trees evidently changes or the trees are subject to extreme weather conditions before this date; further inspection may be required. No tree is ever absolutely safe due to the unpredictable laws and forces of nature.

## APPENDIX 4

Tree Survey Data<sup>2</sup>

| Ref  | Species                                                                                                                       | Full Structure   | Measurements                                                                                                          | Spread                           | General Observations                                                                                                                                                                 | Retention Category | RPA                                   | Summary                                           |
|------|-------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------|---------------------------------------------------|
| T270 | Goat Willow<br>( <i>Salix caprea</i> )                                                                                        | Tree             | Height (m): 8<br>Stem Diam (mm): 320<br>Crown Clearance (m): 0<br>Life Stage: Over Mature<br>Rem. Contrib.: 20+ Years | N:6<br>E:6<br>S:6<br>W:6         | Large coppice stool with broad, spreading stems resting on adjacent vegetation.                                                                                                      | C2                 | Radius: 3.8m.<br>Area: 45 sq m.       | Physiological Cond: Fair<br>Structural Cond: Poor |
| T271 | Hornbeam<br>( <i>Carpinus betulus</i> )                                                                                       | Tree             | Height (m): 12<br>Stem Diam (mm): 40<br>Crown Clearance (m): 2<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years      | N:6.5<br>E:6.5<br>S:6.5<br>W:6.5 | Ivy clad tree                                                                                                                                                                        | B2                 | Radius: 0.5m.<br>Area: 1 sq m.        | Physiological Cond: Fair<br>Structural Cond: Fair |
| G272 | Common Holly x5<br>( <i>Ilex aquifolium</i> )                                                                                 | Group<br>5 trees | Height (m): 6<br>5 stems, avg.(mm): 150<br>Crown Clearance (m): 2<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years   | N:3<br>E:3<br>S:3<br>W:3         | Linear group of large hedging. Multi-stem trees                                                                                                                                      | C2                 | Area: 17 sq m,<br>plus a 1m buffer.   | Physiological Cond: Fair<br>Structural Cond: Fair |
| T273 | Alder<br>( <i>Alnus sp.</i> )                                                                                                 | Tree<br>5 stems  | Height (m): 11<br>5 stems, avg.(mm): 260<br>Crown Clearance (m): 4<br>Life Stage: Mature<br>Rem. Contrib.: 20+ Years  | N:3.5<br>E:3.5<br>S:3.5<br>W:3.5 | Lapsed coppice stool, no access to base due to dense vegetation                                                                                                                      | C2                 | Radius: 7.0m.<br>Area: 154 sq m.      | Physiological Cond: Fair<br>Structural Cond: Fair |
| G274 | Hazel<br>( <i>Corylus avellana</i> )<br>Common Holly<br>( <i>Ilex aquifolium</i> )<br>Hornbeam<br>( <i>Carpinus betulus</i> ) | Hedge            | Height (m): 2<br>Stem Diam (mm): 80<br>Crown Clearance (m): 0<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years       | N:1<br>E:1<br>S:1<br>W:1         | Low clipped hedge                                                                                                                                                                    | C2                 | Area: 91 sq m,<br>plus a 1m buffer.   | Physiological Cond: Fair<br>Structural Cond: Fair |
| G275 | Mixed Broadleaves<br>( <i>Mixed Broadleaves</i> )                                                                             | Group            | Height (m): 12<br>Stem Diam (mm): 200<br>Crown Clearance (m): 2<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years     | N:4<br>E:4<br>S:4<br>W:4         | Healthy mixed broadleaf woodland group on dual carriageway embankment. Average diameter around 200mm, with a couple of poplars around 500mm diameter. Screening and landscape value. | B2                 | Area: 7918 sq m,<br>plus a 1m buffer. | Physiological Cond: Good<br>Structural Cond: Fair |
| T276 | Scots Pine<br>( <i>Pinus sylvestris</i> )                                                                                     | Tree             | Height (m): 15<br>Stem Diam (mm): 750<br>Crown Clearance (m): 4<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years     | N:6<br>E:6<br>S:6<br>W:7         | Good form and vitality.                                                                                                                                                              | A1                 | Radius: 9.0m.<br>Area: 254 sq m.      | Physiological Cond: Fair<br>Structural Cond: Fair |

<sup>2</sup> Tree Survey data extracted from the North Horsham Phase 2 BS:5837 Arboricultural Survey ref: 2898-17-2-DR-0001-S0-P1 Phase 2 BS5837 Arboricultural Survey 100223 (July 2023).

| Ref  | Species                                                                                                   | Full Structure | Measurements                                                                                                      | Spread                           | General Observations                                                                                                                                | Retention Category | RPA                               | Summary                                           |
|------|-----------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|
| T294 | Pedunculate Oak<br>( <i>Quercus robur</i> )                                                               | Tree           | Height (m): 16<br>Stem Diam (mm): 800<br>Crown Clearance (m): 3<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:6<br>E:8<br>S:9.5<br>W:10      | Backside tree. Broad canopy. Restricted access to base due to dense vegetation.                                                                     | A1                 | Radius: 9.6m.<br>Area: 290 sq m.  | Physiological Cond: Good<br>Structural Cond: Good |
| T295 | Pedunculate Oak<br>( <i>Quercus robur</i> )                                                               | Tree           | Height (m): 16<br>Stem Diam (mm): 800<br>Crown Clearance (m): 3<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:9<br>E:7<br>S:3<br>W:10        | Backside tree. Broad canopy. Restricted access to base due to dense vegetation. Foliage slightly sparse, low vitality. Dead branch stubs in canopy. | B1                 | Radius: 9.6m.<br>Area: 290 sq m.  | Physiological Cond: Fair<br>Structural Cond: Fair |
| G296 | Mixed Species Group                                                                                       | Hedge          | Height (m): 2<br>Stem Diam (mm): 60<br>Crown Clearance (m): 0<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years   | N:1<br>E:1<br>S:1<br>W:1         | Broadleaf hedge. Hazel, Holly, Field maple in group                                                                                                 | C2                 | Area: 420 sq m, plus a 1m buffer. | Physiological Cond: Fair<br>Structural Cond: Fair |
| T297 | Alder<br>( <i>Alnus sp.</i> )                                                                             | Tree           | Height (m): 11<br>Stem Diam (mm): 340<br>Crown Clearance (m): 3<br>Life Stage: Mature<br>Rem. Contrib.: 20+ Years | N:5.5<br>E:5.5<br>S:5.5<br>W:5.5 | Ivy clad tree in dense vegetation group.                                                                                                            | B1                 | Radius: 4.1m.<br>Area: 53 sq m.   | Physiological Cond: Fair<br>Structural Cond: Fair |
| G298 | Alder<br>( <i>Alnus sp.</i> ) Holly<br>( <i>Ilex aquifolium</i> )<br>Hazel<br>( <i>Corylus avellana</i> ) | Group          | Height (m): 7<br>Stem Diam (mm): 200<br>Crown Clearance (m): 0<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years  | N:3<br>E:3<br>S:3<br>W:3         | Shrubby group of low-quality trees. Decay on Holly stems. Dense bramble throughout.                                                                 | C2                 | Area: 11 sq m, plus a 1m buffer.  | Physiological Cond: Fair<br>Structural Cond: Poor |
| T299 | Pedunculate Oak<br>( <i>Quercus robur</i> )                                                               | Tree           | Height (m): 12<br>Stem Diam (mm): 590<br>Crown Clearance (m): 3<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:4<br>E:9<br>S:9<br>W:8         | Swept stem over stream. Decay pockets in old pruning cuts. Ivy clad. No access to base due to dense vegetation. Good vitality.                      | B1                 | Radius: 7.1m.<br>Area: 158 sq m.  | Physiological Cond: Good<br>Structural Cond: Fair |
| T300 | Pedunculate Oak<br>( <i>Quercus robur</i> )                                                               | Tree           | Height (m): 15<br>Stem Diam (mm): 450<br>Crown Clearance (m): 4<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:7<br>E:7<br>S:8.5<br>W:6       | No access to base due to dense vegetation. Good vitality.                                                                                           | B1                 | Radius: 5.4m.<br>Area: 92 sq m.   | Physiological Cond: Good<br>Structural Cond: Fair |
| T301 | Pedunculate Oak<br>( <i>Quercus robur</i> )                                                               | Tree           | Height (m): 13<br>Stem Diam (mm): 480<br>Crown Clearance (m): 4<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:5<br>E:5<br>S:7.5<br>W:4       | Ivy clad trunk. Reasonable vitality.                                                                                                                | B1                 | Radius: 5.8m.<br>Area: 106 sq m.  | Physiological Cond: Good<br>Structural Cond: Fair |
| T302 | Alder<br>( <i>Alnus sp.</i> )                                                                             | Tree           | Height (m): 13<br>Stem Diam (mm): 400<br>Crown Clearance (m): 4<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:4<br>E:2<br>S:5<br>W:4         | Wound on south side of trunk at 1.5m. decay pocket. Reasonable vitality.                                                                            | B1                 | Radius: 4.8m.<br>Area: 72 sq m.   | Physiological Cond: Good<br>Structural Cond: Fair |

| Ref  | Species                                                                            | Full Structure  | Measurements                                                                                                              | Spread                           | General Observations                                                                         | Retention Category | RPA                                 | Summary                                           |
|------|------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------|--------------------|-------------------------------------|---------------------------------------------------|
| T303 | Alder<br>( <i>Alnus sp.</i> )                                                      | Tree<br>2 stems | Height (m): 10<br>2 stems, avg.(mm): 250<br>Crown Clearance (m): 2<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years      | N:3.5<br>E:3.5<br>S:3.5<br>W:3.5 | Low grade tree with dense epicormic growth around base.                                      | C2                 | Radius: 4.2m.<br>Area: 55 sq m.     | Physiological Cond: Good<br>Structural Cond: Fair |
| T304 | Pedunculate Oak<br>( <i>Quercus robur</i> )                                        | Tree            | Height (m): 13<br>Stem Diam (mm): 540<br>Crown Clearance (m): 3<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years         | N:6.5<br>E:6.5<br>S:6.5<br>W:6.5 | Bankside tree. Reasonable form, low vitality.                                                | B1                 | Radius: 6.5m.<br>Area: 133 sq m.    | Physiological Cond: Fair<br>Structural Cond: Fair |
| T305 | Alder<br>( <i>Alnus sp.</i> )                                                      | Tree<br>2 stems | Height (m): 10<br>2 stems, diam(mm): 140, 200<br>Crown Clearance (m): 2<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:3.5<br>E:3.5<br>S:3.5<br>W:3.5 | Low grade tree with dense epicormic growth around base.                                      | C2                 | Radius: 2.9m.<br>Area: 26 sq m.     | Physiological Cond: Fair<br>Structural Cond: Fair |
| T306 | Pedunculate Oak<br>( <i>Quercus robur</i> )                                        | Tree            | Height (m): 15<br>Stem Diam (mm): 600<br>Crown Clearance (m): 3<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years         | N:6<br>E:6.5<br>S:6.5<br>W:3     | Bankside tree. Ivy clad stem. Asymmetrical canopy.                                           | B1                 | Radius: 7.2m.<br>Area: 163 sq m.    | Physiological Cond: Fair<br>Structural Cond: Fair |
| T307 | Alder<br>( <i>Alnus sp.</i> )                                                      | Tree<br>4 stems | Height (m): 16<br>4 stems, avg.(mm): 500<br>Crown Clearance (m): 4<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years      | N:7.5<br>E:7.5<br>S:7.5<br>W:7.5 | Multi-stem tree. Dense suckering from base.                                                  | B1                 | Radius: 12.0m.<br>Area: 452 sq m.   | Physiological Cond: Fair<br>Structural Cond: Fair |
| T308 | Alder<br>( <i>Alnus sp.</i> )                                                      | Tree<br>3 stems | Height (m): 15<br>3 stems, avg.(mm): 260<br>Crown Clearance (m): 3<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years      | N:4<br>E:5<br>S:6.5<br>W:5       | Multi-stem bankside tree. Asymmetrical canopy. Dense suckering of alder and Oak around base. | C1,2               | Radius: 5.4m.<br>Area: 92 sq m.     | Physiological Cond: Fair<br>Structural Cond: Fair |
| T309 | Common Holly<br>( <i>Ilex aquifolium</i> )                                         | Tree<br>6 stems | Height (m): 6<br>6 stems, avg.(mm): 90<br>Crown Clearance (m): 2<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years        | N:2<br>E:2<br>S:2<br>W:2         | Multi-stem tree.                                                                             | C2                 | Radius: 2.6m.<br>Area: 21 sq m.     | Physiological Cond: Fair<br>Structural Cond: Fair |
| T310 | Common Holly<br>( <i>Ilex aquifolium</i> )                                         | Tree<br>6 stems | Height (m): 6<br>6 stems, avg.(mm): 90<br>Crown Clearance (m): 2<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years        | N:2<br>E:2<br>S:2<br>W:1         | Multi-stem tree. Suppressed form.                                                            | C2                 | Radius: 2.6m.<br>Area: 21 sq m.     | Physiological Cond: Fair<br>Structural Cond: Fair |
| G311 | Hazel<br>( <i>Corylus avellana</i> )<br>Common Holly<br>( <i>Ilex aquifolium</i> ) | Hedge           | Height (m): 2<br>Stem Diam (mm): 80<br>Crown Clearance (m): 0<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years           | N:1<br>E:1<br>S:1<br>W:1         | Gappy boundary hedge.                                                                        | C2                 | Area: 69 sq m,<br>plus a 1m buffer. | Physiological Cond: Fair<br>Structural Cond: Fair |

| Ref  | Species                                                                                                                                | Full Structure | Measurements                                                                                                        | Spread                           | General Observations                                                                            | Retention Category | RPA                                  | Summary                                           |
|------|----------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------|--------------------|--------------------------------------|---------------------------------------------------|
| T312 | Pedunculate Oak<br>( <i>Quercus robur</i> )                                                                                            | Tree           | Height (m): 13<br>Stem Diam (mm): 550<br>Crown Clearance (m): 4<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years   | N:7<br>E:7<br>S:7<br>W:7         | No access to base due to dense vegetation.<br>Sparse buds, low vitality and deadwood in canopy. | B1                 | Radius: 6.6m.<br>Area: 137 sq m.     | Physiological Cond: Fair<br>Structural Cond: Fair |
| T313 | Pedunculate Oak<br>( <i>Quercus robur</i> )                                                                                            | Tree           | Height (m): 13<br>Stem Diam (mm): 500<br>Crown Clearance (m): 5<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years   | N:7<br>E:8<br>S:8.5<br>W:2       | Asymmetrical canopy. End tree in linear group.                                                  | B2                 | Radius: 6.0m.<br>Area: 113 sq m.     | Physiological Cond: Fair<br>Structural Cond: Fair |
| T314 | Pedunculate Oak<br>( <i>Quercus robur</i> )                                                                                            | Tree           | Height (m): 10<br>Stem Diam (mm): 320<br>Crown Clearance (m): 5<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years   | N:5<br>E:3<br>S:1<br>W:2         | Suppressed, asymmetrical canopy. Within linear group.                                           | B2                 | Radius: 3.8m.<br>Area: 45 sq m.      | Physiological Cond: Fair<br>Structural Cond: Fair |
| T315 | Pedunculate Oak<br>( <i>Quercus robur</i> )                                                                                            | Tree           | Height (m): 15<br>Stem Diam (mm): 600<br>Crown Clearance (m): 4<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years   | N:3<br>E:5<br>S:9<br>W:6         | Asymmetrical canopy. Within in linear group. Ivy clad.                                          | B2                 | Radius: 7.2m.<br>Area: 163 sq m.     | Physiological Cond: Fair<br>Structural Cond: Fair |
| T319 | Pedunculate Oak<br>( <i>Quercus robur</i> )                                                                                            | Tree           | Height (m): 13<br>Stem Diam (mm): 870<br>Crown Clearance (m): 4<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years   | N:8.5<br>E:7.5<br>S:9<br>W:6.5   | Well-formed single tree in open field                                                           | A1                 | Radius: 10.4m.<br>Area: 340 sq m.    | Physiological Cond: Good<br>Structural Cond: Good |
| G329 | Blackthorn<br>( <i>Prunus spinosa</i> )<br>Hornbeam<br>( <i>Carpinus betulus</i> )<br>Common Hawthorn<br>( <i>Crataegus monogyna</i> ) | Hedge          | Height (m): 2<br>Stem Diam (mm): 80<br>Crown Clearance (m): 0<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years     | N:1<br>E:1<br>S:1<br>W:1         | Mature boundary hedge growing adjacent to ditch                                                 | C2                 | Area: 513 sq m,<br>plus a 1m buffer. | Physiological Cond: Fair<br>Structural Cond: Fair |
| T330 | Pedunculate Oak<br>( <i>Quercus robur</i> )                                                                                            | Tree           | Height (m): 11<br>Stem Diam (mm): 800<br>Crown Clearance (m): 2.5<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:7.5<br>E:8<br>S:8.5<br>W:8.5   | Hedgerow tree. Broad canopy.                                                                    | A1                 | Radius: 9.6m.<br>Area: 290 sq m.     | Physiological Cond: Fair<br>Structural Cond: Fair |
| T331 | Hornbeam<br>( <i>Carpinus betulus</i> )                                                                                                | Tree           | Height (m): 8<br>Stem Diam (mm): 400<br>Crown Clearance (m): 3<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years    | N:3.5<br>E:3.5<br>S:3.5<br>W:3.5 | Regeneration from old stump. Multiple decay pockets in lower stems. Reasonable vitality.        | C2                 | Radius: 4.8m.<br>Area: 72 sq m.      | Physiological Cond: Fair<br>Structural Cond: Poor |

| Ref  | Species                                                                         | Full Structure   | Measurements                                                                                                            | Spread                           | General Observations                        | Retention Category | RPA                                  | Summary                                               |
|------|---------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------|--------------------|--------------------------------------|-------------------------------------------------------|
| G332 | Hazel<br>( <i>Corylus avellana</i> )<br>Hornbeam<br>( <i>Carpinus betulus</i> ) | Hedge            | Height (m): 2<br>Stem Diam (mm): 80<br>Crown Clearance (m): 0<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years         | N:1<br>E:1<br>S:1<br>W:1         | Mature field hedgerow                       | C2                 | Area: 500 sq m,<br>plus a 1m buffer. | Physiological Cond: Fair<br>Structural Cond: Fair     |
| T333 | Hornbeam<br>( <i>Carpinus betulus</i> )                                         | Tree<br>10 stems | Height (m): 9<br>10 stems, avg.(mm): 120<br>Crown Clearance (m): 3<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years    | N:5.5<br>E:5.5<br>S:5.5<br>W:5.5 | Large, lapsed coppice stool                 | C2                 | Radius: 4.5m.<br>Area: 64 sq m.      | Physiological Cond: Good<br>Structural Cond: Fair     |
| T334 | Pedunculate Oak<br>( <i>Quercus robur</i> )                                     | Tree             | Height (m): 12<br>Stem Diam (mm): 220<br>Crown Clearance (m): 3<br>Life Stage: Early Mature<br>Rem. Contrib.: 40+ Years | N:3<br>E:4<br>S:3<br>W:3         | Slender ivy clad tree.                      | B2                 | Radius: 2.6m.<br>Area: 21 sq m.      | Physiological Cond: Fair<br>Structural Cond: Fair     |
| T335 | Pedunculate Oak<br>( <i>Quercus robur</i> )                                     | Tree             | Height (m): 12<br>Stem Diam (mm): 300<br>Crown Clearance (m): 3<br>Life Stage: Early Mature<br>Rem. Contrib.: 40+ Years | N:1<br>E:6<br>S:5<br>W:1         | Slender ivy clad tree.                      | B2                 | Radius: 3.6m.<br>Area: 41 sq m.      | Physiological Cond: Fair<br>Structural Cond: Fair     |
| T336 | Not identified<br>( <i>Not identified</i> )                                     | Tree<br>2 stems  | Height (m): 8<br>2 stems, avg.(mm): 600<br>Crown Clearance (m): 0<br>Life Stage: Veteran<br>Rem. Contrib.: 40+ Years    | N:3<br>E:4.5<br>S:3<br>W:4       | Regeneration from old stumps. Habitat value | C3                 | Radius: 12.7m.<br>Area: 507 sq m.    | Physiological Cond: Fair<br>Structural Cond: Decaying |
| T337 | Alder<br>( <i>Alnus sp.</i> )                                                   | Tree             | Height (m): 10<br>Stem Diam (mm): 270<br>Crown Clearance (m): 2<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years       | N:3.5<br>E:3.5<br>S:3.5<br>W:3.5 | Backside tree. Suckering at base            | B1                 | Radius: 3.2m.<br>Area: 32 sq m.      | Physiological Cond: Fair<br>Structural Cond: Fair     |
| T338 | Common Beech<br>( <i>Fagus sylvatica</i> )                                      | Tree<br>5 stems  | Height (m): 8<br>5 stems, avg.(mm): 100<br>Crown Clearance (m): 1<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years     | N:2.5<br>E:2.5<br>S:2.5<br>W:2.5 | Regeneration from old stumps.               | C2                 | Radius: 2.7m.<br>Area: 23 sq m.      | Physiological Cond: Fair<br>Structural Cond: Fair     |
| T339 | Turkey Oak<br>( <i>Quercus cerris</i> )                                         | Tree<br>3 stems  | Height (m): 7<br>3 stems, avg.(mm): 110<br>Crown Clearance (m): 1<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years     | N:2<br>E:2<br>S:2<br>W:2         | Regeneration from old stumps.               | C3                 | Radius: 2.3m.<br>Area: 17 sq m.      | Physiological Cond: Fair<br>Structural Cond: Fair     |
| T340 | Pedunculate Oak<br>( <i>Quercus robur</i> )                                     | Tree             | Height (m): 6<br>Stem Diam (mm): 200<br>Crown Clearance (m): 1<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years        | N:4.5<br>E:4.5<br>S:5<br>W:3     | Small tree, suppressed upper crown.         | C2                 | Radius: 2.4m.<br>Area: 18 sq m.      | Physiological Cond: Fair<br>Structural Cond: Fair     |

| Ref  | Species                                     | Full Structure | Measurements                                                                                                      | Spread                           | General Observations                                                                                                                 | Retention Category | RPA                               | Summary                                           |
|------|---------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|
| T341 | Scots Pine<br>( <i>Pinus sylvestris</i> )   | Tree           | Height (m): 15<br>Stem Diam (mm): 780<br>Crown Clearance (m): 2<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:6<br>E:6<br>S:8<br>W:6         | Good vitality. Asymmetrical canopy. Deadwood in lower crown.                                                                         | B1                 | Radius: 9.4m.<br>Area: 278 sq m.  | Physiological Cond: Fair<br>Structural Cond: Fair |
| T342 | Pedunculate Oak<br>( <i>Quercus robur</i> ) | Tree           | Height (m): 6<br>Stem Diam (mm): 200<br>Crown Clearance (m): 1<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years  | N:3<br>E:4.5<br>S:2<br>W:3       | Small tree, suppressed upper crown.                                                                                                  | C2                 | Radius: 2.4m.<br>Area: 18 sq m.   | Physiological Cond: Fair<br>Structural Cond: Fair |
| T343 | Pedunculate Oak<br>( <i>Quercus robur</i> ) | Tree           | Height (m): 11<br>Stem Diam (mm): 700<br>Crown Clearance (m): 4<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:7<br>E:7<br>S:7.5<br>W:7       | Hedgerow tree. On ditch bank. Ivy clad. Broad canopy.                                                                                | A1                 | Radius: 8.4m.<br>Area: 222 sq m.  | Physiological Cond: Good<br>Structural Cond: Good |
| T344 | Pedunculate Oak<br>( <i>Quercus robur</i> ) | Tree           | Height (m): 12<br>Stem Diam (mm): 800<br>Crown Clearance (m): 3<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:8.5<br>E:8.5<br>S:8.5<br>W:8.5 | Hedgerow tree. On ditch bank. Ivy clad. Broad canopy.                                                                                | A1                 | Radius: 9.6m.<br>Area: 290 sq m.  | Physiological Cond: Good<br>Structural Cond: Good |
| T345 | Pedunculate Oak<br>( <i>Quercus robur</i> ) | Tree           | Height (m): 9<br>Stem Diam (mm): 550<br>Crown Clearance (m): 3<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years  | N:5.5<br>E:7<br>S:5<br>W:5       | Hedgerow tree. On ditch bank. Ivy clad. Broad canopy. Base and lower trunk obscured by dense vegetation.                             | A1                 | Radius: 6.6m.<br>Area: 137 sq m.  | Physiological Cond: Good<br>Structural Cond: Good |
| T346 | Pedunculate Oak<br>( <i>Quercus robur</i> ) | Tree           | Height (m): 11<br>Stem Diam (mm): 550<br>Crown Clearance (m): 3<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:5<br>E:6<br>S:5<br>W:4.5       | Hedgerow tree. On ditch bank. Ivy clad. Broad canopy. Base and lower trunk obscured by dense vegetation.                             | A1                 | Radius: 6.6m.<br>Area: 137 sq m.  | Physiological Cond: Good<br>Structural Cond: Good |
| T347 | Pedunculate Oak<br>( <i>Quercus robur</i> ) | Tree           | Height (m): 9<br>Stem Diam (mm): 850<br>Crown Clearance (m): 3<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years  | N:8<br>E:7.5<br>S:8<br>W:6.5     | Hedgerow tree. On ditch bank. Ivy clad. Broad canopy. Base and lower trunk obscured by dense vegetation.                             | A1                 | Radius: 10.2m.<br>Area: 327 sq m. | Physiological Cond: Good<br>Structural Cond: Good |
| T348 | Pedunculate Oak<br>( <i>Quercus robur</i> ) | Tree           | Height (m): 12<br>Stem Diam (mm): 730<br>Crown Clearance (m): 4<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:7.5<br>E:7.5<br>S:7.5<br>W:7.5 | Hedgerow tree. On ditch bank. Ivy clad. Broad canopy. Base and lower trunk obscured by dense vegetation. Tip dieback in lower crown. | A1                 | Radius: 8.8m.<br>Area: 243 sq m.  | Physiological Cond: Good<br>Structural Cond: Good |
| T349 | Pedunculate Oak<br>( <i>Quercus robur</i> ) | Tree           | Height (m): 12<br>Stem Diam (mm): 710<br>Crown Clearance (m): 4<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:6<br>E:6<br>S:5<br>W:6         | Hedgerow tree. On ditch bank. Ivy clad. Broad canopy. Base and lower trunk obscured by dense vegetation. Foliage slightly sparse.    | A1                 | Radius: 8.5m.<br>Area: 227 sq m.  | Physiological Cond: Fair<br>Structural Cond: Good |

| Ref  | Species                                     | Full Structure | Measurements                                                                                                      | Spread                           | General Observations                                                                         | Retention Category | RPA                                    | Summary                                               |
|------|---------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------|--------------------|----------------------------------------|-------------------------------------------------------|
| T350 | Pedunculate Oak<br>( <i>Quercus robur</i> ) | Tree           | Height (m): 12<br>Stem Diam (mm): 700<br>Crown Clearance (m): 2<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:7<br>E:6.8<br>S:6.8<br>W:6.8   | Hedgerow tree. On ditch bank. Ivy clad. Broad canopy.                                        | A1                 | Radius: 8.4m.<br>Area: 222 sq m.       | Physiological Cond: Good<br>Structural Cond: Good     |
| T351 | Turkey Oak<br>( <i>Quercus cerris</i> )     | Tree           | Height (m): 8<br>Stem Diam (mm): 350<br>Crown Clearance (m): 3<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years  | N:4<br>E:4<br>S:4<br>W:4         | Hedgerow tree. On ditch bank. Ivy clad. Multiple branching from 1.8m.                        | C1                 | Radius: 4.2m.<br>Area: 55 sq m.        | Physiological Cond: Fair<br>Structural Cond: Fair     |
| T352 | Pedunculate Oak<br>( <i>Quercus robur</i> ) | Tree           | Height (m): 11<br>Stem Diam (mm): 370<br>Crown Clearance (m): 3<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:6<br>E:3<br>S:5<br>W:4         | Hedgerow tree. On ditch bank. Ivy clad. Base obscured by dense vegetation.                   | B1                 | Radius: 4.4m.<br>Area: 61 sq m.        | Physiological Cond: Fair<br>Structural Cond: Fair     |
| T353 | Pedunculate Oak<br>( <i>Quercus robur</i> ) | Tree           | Height (m): 10<br>Stem Diam (mm): 370<br>Crown Clearance (m): 2<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:8.5<br>E:4<br>S:7<br>W:4       | Hedgerow tree. On ditch bank. Ivy clad. Base obscured by dense vegetation.                   | B1                 | Radius: 4.4m.<br>Area: 61 sq m.        | Physiological Cond: Fair<br>Structural Cond: Fair     |
| T354 | Pedunculate Oak<br>( <i>Quercus robur</i> ) | Tree           | Height (m): 5.5<br>Stem Diam (mm): 340<br>Crown Clearance (m): 4<br>Life Stage: Dead                              | N:1<br>E:2<br>S:1<br>W:1         | Standing dead tree.                                                                          | U                  | None - due to Retention Category of U. | Physiological Cond: Dead<br>Structural Cond: Decaying |
| T355 | Pedunculate Oak<br>( <i>Quercus robur</i> ) | Tree           | Height (m): 8<br>Stem Diam (mm): 410<br>Crown Clearance (m): 2<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years  | N:4.5<br>E:4.5<br>S:4.5<br>W:4.5 | Well-formed tree, good vitality. Compact crown. Base and trunk obscured by dense vegetation. | A1                 | Radius: 4.9m.<br>Area: 75 sq m.        | Physiological Cond: Good<br>Structural Cond: Good     |
| T356 | Pedunculate Oak<br>( <i>Quercus robur</i> ) | Tree           | Height (m): 10<br>Stem Diam (mm): 400<br>Crown Clearance (m): 3<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:5.5<br>E:5.5<br>S:5.5<br>W:6   | Hedgerow tree. On ditch bank. Ivy clad. Base obscured by dense vegetation.                   | B1                 | Radius: 4.8m.<br>Area: 72 sq m.        | Physiological Cond: Fair<br>Structural Cond: Fair     |
| T357 | Pedunculate Oak<br>( <i>Quercus robur</i> ) | Tree           | Height (m): 10<br>Stem Diam (mm): 750<br>Crown Clearance (m): 3<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:5.5<br>E:5.5<br>S:5.5<br>W:5.5 | Hedgerow tree. On ditch bank. Ivy clad. Base obscured by dense vegetation.                   | A1                 | Radius: 9.0m.<br>Area: 254 sq m.       | Physiological Cond: Good<br>Structural Cond: Good     |
| G358 | Mixed Species Group                         | Hedge          | Height (m): 2<br>Stem Diam (mm): 100<br>Crown Clearance (m): 0<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years  | N:1<br>E:1<br>S:1<br>W:1         | Mixed boundary hedge group. Hazel, Blackthorn, Hawthorn, Field maple.                        | C2                 | Area: 1270 sq m, plus a 1m buffer.     | Physiological Cond: Fair<br>Structural Cond: Fair     |

| Ref  | Species                                          | Full Structure   | Measurements                                                                                                        | Spread                         | General Observations                                                            | Retention Category | RPA                              | Summary                                           |
|------|--------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------|--------------------|----------------------------------|---------------------------------------------------|
| G534 | Hazel x4<br>( <i>Corylus avellana</i> )          | Group<br>4 trees | Height (m): 7<br>4 stems, avg.(mm): 600<br>Crown Clearance (m): 0<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years | N:4<br>E:3<br>S:1<br>W:3       | Dense group of mature coppice. Poles under 80mm diameter. Growing within ditch. | C2                 | Area: 77 sq m, plus a 1m buffer. | Physiological Cond: Good<br>Structural Cond: Fair |
| T586 | Common Hawthorn<br>( <i>Crataegus monogyna</i> ) | Tree             | Height (m): 3.5<br>Stem Diam (mm): 150<br>Crown Clearance (m): 1<br>Life Stage: Mature<br>Rem. Contrib.: 40+ Years  | N:1.5<br>E:1.5<br>S:2<br>W:1.5 | Bramble covered small tree.                                                     | C2                 | Radius: 1.8m.<br>Area: 10 sq m.  | Physiological Cond: Poor<br>Structural Cond: Poor |

## APPENDIX 5

### Tree Protection Fencing<sup>3</sup>



<sup>3</sup> Tree protection fencing within the North Horsham Strategic Development Area will be formed Heras fence panels supported on wooden posts sunk into the ground. This style of fencing will reduce risk of injury to operatives with the installation of fencing near to over / underground services. The fencing will be robust and fit for purpose. Panels will be rigidly attached to the posts to prevent movement.

**APPENDIX 6****All-weather Tree Protection Fencing Signage**

## APPENDIX 7

### Qualifications

This Arboricultural report has been prepared by Sarah Duckworth, Independent Arboricultural Consultant, trading as Duckworth's Arboriculture Limited.

I have over 20 years' experience working in the field of Arboriculture and for the past 18 years I have worked as a Local Authority Tree Officer both directly and independently providing contracted support. Since 2010 I have worked as a private consultant carrying out a range of Arboricultural Reports and Assessments for private clients.

I hold the Royal Forestry Society's Professional Diploma (Level 6) for which I received the Lockhart Garrett Award. I also hold the Arboricultural Association's Technicians Certificate (with Distinction).

I am a LANTRA qualified Professional Tree Inspector and a Professional Member of the Arboricultural Association.