

Lutterworth Road, Burbage

British Standards 5837:2012 Tree
Survey



Client:

Davidsons Developments Ltd.

Report Reference:

RSE_5861_ARB_R1_V1

Issue Date:

February 2022

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Project Details

Client: Davidsons Developments Ltd.

Project: Lutterworth Road, Burbage

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Report Title BS 5837:2012 Tree Survey

DISCLOSURE:

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Document Control

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1 EXECUTIVE SUMMARY

- i RammSanderson Ecology Ltd was instructed by Davidsons Developments Ltd. to carry out an assessment of trees at land northeast of Lutterworth Road, Burbage which follows the guidance of British Standards 5837:2012 'Trees in relation to design, demolition and construction – Recommendations'.
- ii The current development proposals are for a residential development and associated landscaping
- iii A current topographical survey of the site in AutoCAD format has been provided and this formed the basis for the Tree Constraints Plan.
- iv The content and scope of this report is listed below:
 - BS 5837:2012 Tree Survey and Categorisation
 - Arboricultural Impact Assessment

1.1 Findings and Recommendations

- i The survey assessed 37 individual trees, 6 groups of trees, and 32 hedgerows. All of these are considered to be of low arboricultural value (Category C) excluding 3 individual trees of moderate quality (Category B), and 5 trees unsuitable for retention due to their poor condition (Category U).
- ii There are currently no tree preservation orders (TPO) at this location and the site is not situated within a conservation area. Therefore, none of the trees detailed within this report were subject to statutory protection at the time of the survey.

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2 INTRODUCTION AND BACKGROUND

2.1 Purpose and Scope of this Report

- i This report has been prepared following the guidance within BS 5837:2012 'Trees in relation to design, demolition and construction – Recommendations' Its purpose is to assess the likely arboricultural implications to the development proposals for the site and to be submitted in support of a planning application to the Local Planning Authority seeking consent for these proposals.
- ii Whilst not definitive, the findings and any associated recommendations detailed within this report are considered reasonable, practicable, sustainable, and in the interests of promoting good arboricultural management.
- iii Recommendations included within this report are the professional opinion of an experienced Arboriculturist and are the view of RammSanderson Ecology Ltd. This is based on a review of the information provided by the Client, the brief, and a survey of the site. This report pertains to these results only.
- iv This report and the survey(s) on which it depends have been carried out by a competent Arboriculturist¹.

2.2 Regulatory and Policy Framework

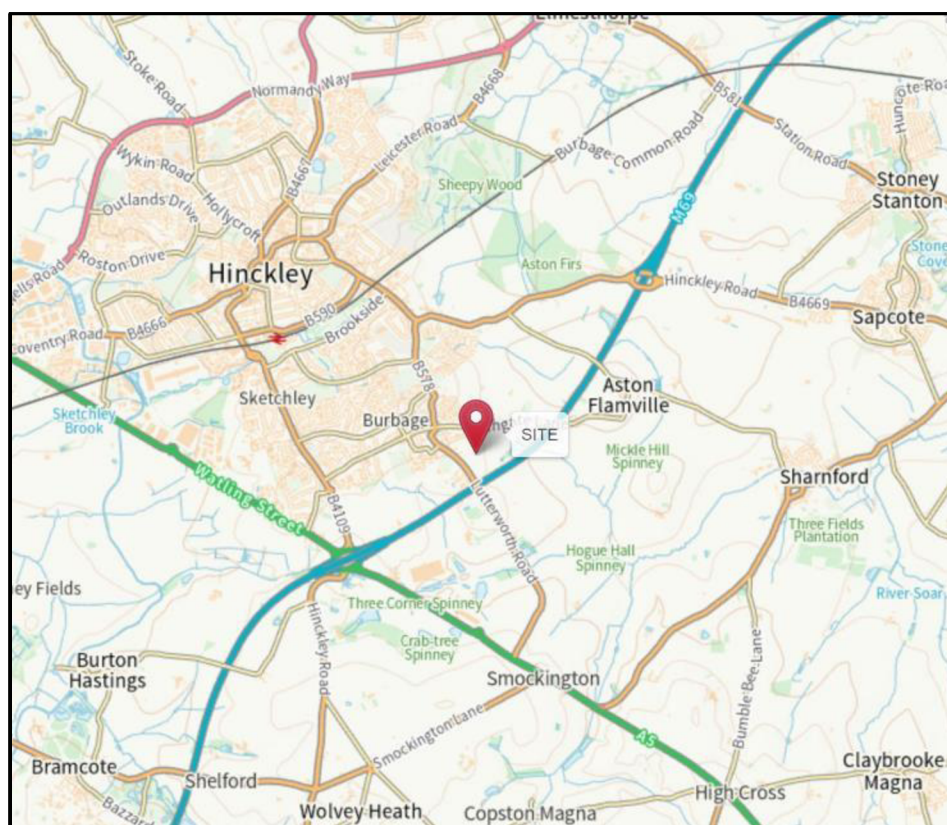
- i Part VIII of the Town and Country Planning Act 1990 (as amended) and the Town and Country Planning (Tree Preservation) (England) Regulations 2012 enable a local planning authority to make a Tree Preservation Order (TPO) to protect specific trees, groups of trees, or woodlands in the interests of amenity. A TPO prohibits the cutting down, toppling, lopping, uprooting, wilful damage and wilful destruction of protected trees without the local planning authority's written consent.
- ii Section 211 of the Town and Country Planning Act 1990 makes provisions to protect trees which are within a conservation area, but not the subject of a TPO. These provisions require anyone intending to carry out works to a tree within a conservation area to give the local planning authority 6 weeks' notice before carrying out certain works, unless an exemption applies.
- iii The Forestry Act (1967) requires that a Felling Licence, issued by the Forestry Commission, is obtained before felling trees, unless an exemption applies; such exemptions include felling small quantities of trees (less than 5m³ of timber in any calendar quarter) or felling in specific areas (e.g. gardens).

2.3 Site Location and Context

- i Site Address: Land northeast of Lutterworth Road, Burbage, Hinckley, LE10 2DW.
- ii Central Grid Reference: SP 44726 92047.
- iii The site comprises of grass field compartments separated by hedgerows with scattered trees within. The surrounding land is predominantly agricultural, with the village of Burbage to the north and M69 to the south.

¹ As per the Terms and Definitions detailed in British Standards 5837:2012-Trees in relation to design, demolition and construction – Recommendations.

Figure 1: Site Location Plan



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Figure 2: Site Context Plan



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3 SURVEY METHODOLOGY

3.1 Survey Methods

i The site was visited on Wednesday the 9th of February 2022 to carry out an assessment in accordance with BS 5837:2012 – Trees in relation to Design, Demolition and Construction - Recommendations.

ii The weather at the time was considered to be adequate for conducting the survey during which, the following information was collected:

- Sequential reference number (recorded on the tree survey plan), including reference to type (tree, group, woodland or hedgerow);
- Species, listed by common name (a key to scientific names is provided at Appendix B);
- Height;
- Stem diameter measured @ 1.5m height (for trees with more than one stem, the combined stem diameter is recorded as per BS5837:2012 Section 4.6);
- Branch spread (measured at the four cardinal points);
- Existing height above ground level of first significant branch;
- Life stage;
 - **Y** – Young,
 - **SM** – Semi Mature,
 - **EM** – Early Mature,
 - **M** – Mature,
 - **OM** – Over Mature;
- General observations, particularly of structural and/or physiological condition, and/or preliminary management recommendations as appropriate;
- Estimated remaining contribution (future life expectancy) in years (<10, 10+, 20+, 40+);
- Tree quality assessment category grading as per Section 4.5 and Table 1 of BS5837:2012. 'U' or 'A' to 'C' grading with the subcategory 1, 2 or 3 reflecting arboricultural, landscape or cultural values, respectively.

Notes; Only individual trees with a stem diameter of 75mm or greater are included in the survey. It is not always practical or necessary to record individual details for every tree within a group or woodland. Only basic details (height and species) for domestic hedgerows and significant shrubs were recorded. More substantial hedgerows (including evergreen screens) are generally recorded in a similar manner to groups of trees.

iii The measurement conventions used were as follows:

- Height, crown spread, and crown clearance was recorded to the nearest half metre for dimensions up to 10m and to the nearest whole metre for dimensions over 10m;
- Stem diameter was recorded in millimetres, rounded to the nearest 10mm.
- Any estimated dimensions (for offsite or otherwise inaccessible trees where accurate measurements cannot be taken) were clearly identified as such in the tree schedule (Appendix A).

iv The survey includes all trees plotted on the provided topographical survey. Should any relevant trees on or adjacent to the site have been missed on the topographical survey, these have been included where appropriate. However, the positions indicated on any plans included within this report for all trees not included on the provided topographical survey have been approximated for the purposes of identification only, and if accurate locations are required these should be confirmed on site.

4 LIMITATIONS

4.1 Survey

- i Each of the surveyed trees has been plotted and recorded as an individual tree or a tree group in accordance with the criteria detailed in section 4.4.2.5 of BS 5837:2012.
- ii The information contained within this report is based on the author's knowledge and experience in respect of tree related issues. Whilst the appropriate level of skill and care have been used, no investigative method can eliminate the possibility of obtaining partially imprecise, incomplete or not fully representative information.
- iii Any survey work undertaken will have been subject to natural limitations, including seasonal and phenological aspects.
- iv Trees were assessed from ground level using the Visual Tree Assessment (VTA) method. The trees included in the survey were not climbed, no samples were removed, and no detailed internal investigation of decay was made.
- v Where other vegetation (e.g. ivy or dense ground cover) prevented full access to any tree, this is noted in the tree survey schedule (Appendix A). Dense ivy cover can prevent full access to a tree and so obscure the presence of cavities or other defects. Any such situations are noted in the tree survey schedule with, where appropriate, recommendations for the ivy to be removed and a re-inspection carried out. No ivy was removed from any tree during the survey.
- vi No liability can be accepted by RammSanderson Ecology Ltd. in respect of the trees unless the recommendations of this report are carried out under their supervision and within their recommended timescales. Acceptance of this report represents an agreement with the guiding principles and the terms listed.
- vii The findings and recommendations contained within this report are, assuming its recommendations are observed, valid for a period of twelve months from the date of survey. Trees are living organisms and their condition can change significantly over a relatively short period of time – good practice dictates they are inspected on a regular basis for reasons of safety.
- viii Any hedgerows within the survey area were assessed solely for their general arboricultural condition and value. Further detailed assessment, following the Hedgerow Regulations 1997, is outside the scope of this report and no attempt was made during this assessment to classify any hedgerow under the criteria within those Regulations.
- ix Tree rooting characteristics and soils are both enormously variable as are their interactions. This makes any attempts to quantify tree related subsidence risk assessment impossible. No attempt has been made to assess subsidence risk potential nor should any be construed.
- x The report relates only to the trees included within the Tree Schedule (Appendix A).

5 RESULTS

5.1 Surveyors

- i The survey was carried out by Andy Ashpole BSc (Hons), TechArborA. Andy is experienced within the arboricultural sector, previously working as an Arborist gaining extensive knowledge/training within this field. He has also completed the LANTRA Professional Tree Inspection assessment examination.
- ii The survey was completed during suitable conditions as detailed in the table below.

Table 1: Summary of conditions during survey

Abiotic Factor	Survey 1
Survey type	BS 5837:2012 Tree Survey
Date completed	09/02/2022
Temperature	6 °C
Wind speed (Beaufort Scale)	1
Cloud cover	70%
Precipitation	0

5.2 Statutory Tree Protection

- i Hinckley and Bosworth Borough Councils online interactive mapping portal was checked on the 23rd of February 2022 and did not show any trees on site to be protected by a tree preservation order (TPO) or located the site within a conservation area.
- ii The trees on the site are therefore not currently subject to any statutory protection and there are no restrictions on tree works being carried out at this location. However, it is recommended that immediately prior to carrying out any future tree works, further confirmation is obtained from Hinckley and Bosworth Borough Council that the trees remain unprotected.

5.3 Tree Survey

- i The survey assessed 37 individual trees, 6 groups of trees, and 32 hedgerows. The quality and value of the trees and hedgerows surveyed are summarised in the table below whilst full results of the tree survey are provided in the Tree Schedule (Appendix A).
- ii The vast majority of all trees, hedgerows, and groups of trees surveyed on site were considered to be of low arboricultural value (Category C).

Table 2: Survey Results

BS5837:2012 Tree Quality Assessment Category		Trees	Groups	Hedgerows	Total
A	Trees of high quality which are healthy and attractive with high visibility and no significant defects, and which can make a substantial contribution for a minimum of 40 years	0	0	0	0
B	Trees of moderate quality which are healthy and attractive but with some remediable defects such that they are in a condition to be able to make a significant contribution for a minimum of 20 years	3	0	0	3
C	Trees of low quality which are unremarkable, of limited merit and that are easily replaced, small-growing, young species which have a relatively low potential amenity value, and low landscape benefits. These trees typically include self-seeded trees of limited life span, small (below 150mm stem diameter) and young trees and trees of poor form and limited amenity value.	29	6	32	67
U	Trees which are 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 and/or are considered to be unsuitable for retention in the proximity of new dwellings or areas of public open space.	5	0	0	5
Total		37	6	32	75

Appendix A: Tree Schedule

Tree N°	Species	Age Class	Height (m)	Diameter (mm)	Crown Spread (m)				Life Exp	Cat	Condition	General Observations	Preliminary Management Recommendations	RPA (m²)	RPA Radius (m)
					N	E	S	W							
T1	Ash	EM	10	300 (Est.)	5	5	5	5	10+	C1	Fair	Located within hedgerow. Good structure and form	No work required at present time	41	3.6
T2	Ash	EM	11	350 (Est.)	6	5	4	6	10+	C1	Fair	Located within hedgerow. Deadwood throughout canopy. Suppressed growth due to surrounding trees (G2)	No work required at present time	55	4.2
T3	Ash	EM	10	250 (Est.)	4	3	3	2	<10	U	Poor	Not on original TOPO, location estimated. Appears to be off-site. Predominantly dead	Remove if within land ownership	28	3
T4	Ash	M	10	350 (Est.)	6	6	6	6	10+	C1	Fair	Located within hedgerow. Minor deadwood throughout	No work required at present time	55	4.2
T5	Ash	M	12	600 (Est.)	6	6	6	6	<10	U	Poor	Located within hedgerow. Significant deadwood and failed stems. Tree appears to be diseased	Remove tree	163	7.2
T6	Ash	SM	8	250 (Est.)	5	5	5	5	10+	C1	Fair	Located within hedgerow. Dense ivy from base to 4m. Forms hedgerow end	No work required at present time	18	2.4
T7	English Oak	M	12	830	6	7	8	6	20+	B1	Fair	Exposed hardwood on buttress roots and base of main stem, likely the result of grazing animals. Minor storm damage and deadwood within canopy	No work required at present time	314	10

Tree N°	Species	Age Class	Height (m)	Diameter (mm)	Crown Spread (m)				Life Exp	Cat	Condition	General Observations	Preliminary Management Recommendations	RPA (m²)	RPA Radius (m)
					N	E	S	W							
T8	Hawthorn	SM	6	150 (Est.)	3	3	3	3	10+	C1	Fair	Located within hedgerow. Forms hedgerow end	No work required at present time	10	1.8
T9	Goat Willow	EM	4	200 (Est.)	2	4	2	4	10+	C1	Fair	Coppiced as hedge section	No work required at present time	10	1.8
T10	Ash	M	13	450 (Est.)	7	7	7	7	10+	C1	Fair	Located within hedgerow. Good structure and form	No work required at present time	92	5.4
T11	Ash	/	/	/	/	/	/	/	/	/	/	Stump	/	/	/
T12	Ash	/	/	/	/	/	/	/	/	/	/	Stump	/	/	/
T13	Ash	M	15	650 (Est.)	9	9	9	11	20+	C1	Fair	Located within hedgerow. Southern lowest branch removed. Good structure and form with minor deadwood within canopy	No work required at present time	191	7.8
T14	Hawthorn	M	5	200 (Est.)	3	3	3	3	10+	C1	Poor	Top of canopy dead	No work required at present time	18	2.4
T15	Field Maple	SM	11	200 (Est.)	3	4	4	3	10+	C1	Fair	Located within hedgerow	No work required at present time	18	2.4
T16	Ash	SM	11	235 (Est.)	4	4	4	4	10+	C1	Fair	Multi-stemmed structure. The 4 th stem has been removed. Located within hedgerow	No work required at present time	25	2.8
T17	Ash	EM	10	300 (est.)	4	4	4	4	10+	C1	Fair	Located within hedgerow, Dense ivy from base to 7m	Sever ivy	41	3.6

Tree N°	Species	Age Class	Height (m)	Diameter (mm)	Crown Spread (m)				Life Exp	Cat	Condition	General Observations	Preliminary Management Recommendations	RPA (m²)	RPA Radius (m)
					N	E	S	W							
T18	Ash	EM	9	200 (Est.)	4	4	4	4	10+	C1	Fair	Located within hedgerow. Dense ivy from base to 7m	Sever ivy	18	2.4
T19	Elder	SM	5	100	2	2	2	2	10+	C1	Fair	Multi-stemmed structure. Self-seeded	No work required at present time	5	1.2
T20	Ash	M	15	740	8	6	8	7	20+	B1	Fair	Exposed hardwood on buttress roots, likely resulting from livestock. Eastern lowest branch removed. Good structure and form	No work required at present time	249	8.9
T21	Ash	SM	6	150 (Est.)	2	2	2	2	10+	C1	Fair	Located within hedgerow	No work required at present time	10	1.8
T22	Weeping Willow	SM	7	300 (Est.)	3	3	3	3	10+	C1	Fair	Not on original TOPO, location estimated. Located off-site	N/A	41	3.6
T23	Ash	M	14	500 (Est.)	5	5	5	5	10+	C1	Fair	Located off-site. Dense ivy from base to 7m	N/A	113	6
T24	Ash	Y	5	100 (Est.)	2	2	2	2	10+	C1	Fair	Located off-site	N/A	5	1.2
T25	Crack Willow	EM	6	335 (Est.)	5	5	5	5	10+	C1	Fair	Located off-site. Multi-stemmed structure	N/A	50	4
T26	Hawthorn	EM	6	180 (Est.)	3	3	3	3	10+	C1	Fair	Located off-site. Multi-stemmed structure	N/A	15	2.2
T27	English Oak	EM	6	200 (Est.)	3	3	3	3	10+	C1	Fair	Located off-site	N/A	18	2.4

Tree N°	Species	Age Class	Height (m)	Diameter (mm)	Crown Spread (m)				Life Exp	Cat	Condition	General Observations	Preliminary Management Recommendations	RPA (m²)	RPA Radius (m)
					N	E	S	W							
T28	Hawthorn	EM	6	150 (Est.)	3	3	3	3	10+	C1	Fair	Located off-site. Multi-stemmed structure	N/A	10	1.8
T29	Ash	EM	8	250 (Est.)	4	4	4	4	10+	C1	Fair	Located off-site. Dense ivy from base to 3m	N/A	28	3
T30	Field Maple	EM	7	280	2	3	5	4	10+	C1	Fair	Slightly suppressed	No work required at present time	36	3.4
T31	Field Maple	EM	7	280	3	3	3	3	10+	C1	Fair	Located off-site .	N/A	36	3.4
T32	Field Maple	M	9	650 (Est.)	6	6	7	6	20+	B2	Fair	Located within hedgerow. South lean of main stem with self-corrected growth. Deadwood within canopy particularly in the top-most central section	No work required at present time	191	7.8
T33	Ash	M	10	450 (Est.)	6	6	6	6	10+	C1	Fair	Located off-site. Dense ivy from base to 6m	N/A	92	5.4
T34	Ash	SM	7	450 (Est.)	3	3	3	3	<10	U	Dead	Located off-site	N/A	92	5.4
T35	Wild Cherry	Y	5	141 (Est.)	2	2	2	2	<10	U	Poor	Located off-site. Multi-stemmed structure. Predominantly dead as a result of poor pruning	N/A	9	1.7
T36	Hawthorn	M	5	300 (Est.)	4	4	4	4	10+	C1	Fair	Not on original TOPO, location estimated. Dense bramble around base of tree	No work required at present time	41	3.6

Tree N°	Species	Age Class	Height (m)	Diameter (mm)	Crown Spread (m)				Life Exp	Cat	Condition	General Observations	Preliminary Management Recommendations	RPA (m²)	RPA Radius (m)
					N	E	S	W							
T37	Ash	M	10	400 (Est.)	5	6	6	5	10+	C1	Poor	Located within hedgerow. Significant amount of deadwood in canopy	Remove deadwood and monitor tree	72	4.8
T38	Ash	M	15	650 (Est.)	7	7	7	9	<10	U	Poor	Located within hedgerow. Dense severed ivy from base to 7m. Center of canopy has significant deadwood at the top resulting in poor structure and form. Storm damage on southern aspect of canopy	Remove tree. Alternatively, complete retrenchment pruning and monitor if retention is preferred	191	7.8
T39	Ash	M	15	500 (Est.)	5	4	6	6	10+	C1	Fair	Located within hedgerow. Minor deadwood within canopy	No work required at present time	113	6
G1	Elm, Ash	SM	6 (Avg.)	120 (Avg.)	/	/	/	/	10+	C1	Poor	Group containing 3 dead elm and 1 ash	Removed dead elms from group	/	1.4
G2	Leyland Cypress	M	13 (Avg.)	300 (Avg.)	/	/	/	/	10+	C1	Fair	Row of conifers. Located off-site but close to boundary. Unmanaged	N/A	/	3.6
G3	Field Maple, Hawthorn, Ash	M	6 (Avg.)	200 (Avg.)	/	/	/	/	10+	C1	Fair	Predominantly maple in the south and hawthorn in the north	No work required at present time	/	2.4
G4	Hawthorn, Crack Willow, Blackthorn	M	6 (Avg.)	200 (Avg.)	/	/	/	/	10+	C1	Fair	Located around pond. Group of willows around pond. Hawthorn located north of pond	No work required at present time	/	2.4
G5	Ash	SM	10 (Avg.)	200 (Avg.)	/	/	/	/	10+	C1	Fair	Located in hedgerow. Dense ivy from base to 7m	Sever ivy	/	2.4

Tree N°	Species	Age Class	Height (m)	Diameter (mm)	Crown Spread (m)				Life Exp	Cat	Condition	General Observations	Preliminary Management Recommendations	RPA (m²)	RPA Radius (m)
					N	E	S	W							
G6	Hawthorn, Elm	SM	5 (Avg.)	100 (Avg.)	/	/	/	/	10+	C1	Fair	Standing dead elm in group. Provides screening	Remove dead elm from group	/	1.2
H1	Hawthorn, Elm, Dog Rose	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Even mix of hawthorn and elm throughout. Very dense bramble and rose within hedgerow	No work required at present time	/	1
H2	Hawthorn, Elm, Blackthorn	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Even mix of hawthorn and elm throughout. Very dense bramble and rose within hedgerow. Dead elm and elder in eastern section (see G1)	No work required at present time	/	1
H3	Hawthorn, Elder, Blackthorn, Elm	EM	5 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Unmaintained hedgerow. Predominantly hawthorn in west section before tree (T1). Predominantly blackthorn in eastern section after T1. Single dead elm east of T1. Sporadic elder throughout	No work required at present time	/	1
H4	Hawthorn, Elder, Ash, Holly, Field Maple	EM	5 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Predominantly unmanaged hawthorn. 3 maples west of T2 and self-seeded ash east of T2. Single maple between T4 and T5. Single holly east of T5. Dense bramble throughout hedgerow	No work required at present time	/	1
H5	Hawthorn, Field Maple, Blackthorn, Elm	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Managed hedgerow with species evenly distributed throughout. Dense bramble	No work required at present time	/	1

Tree N°	Species	Age Class	Height (m)	Diameter (mm)	Crown Spread (m)				Life Exp	Cat	Condition	General Observations	Preliminary Management Recommendations	RPA (m²)	RPA Radius (m)
					N	E	S	W							
H6	Hawthorn, Field Maple	Y	2 (Avg.)	50 (Avg.)	/	/	/	/	10+	C1	Fair	Predominantly bramble with sporadic hawthorn and self-seeded maple	No work required at present time	/	0.6
H7	Hawthorn, Field Maple, Blackthorn	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Managed hedgerow. Predominantly hawthorn and blackthorn throughout. Maple present in south aspect	No work required at present time	/	1
H8	Hawthorn, Blackthorn	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Managed hedgerow with even mix of hawthorn and blackthorn	No work required at present time	/	1
H9	Hawthorn, Elm, Field Maple	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Managed hedgerow with an even mix of species, but maple dominating in east section	No work required at present time	/	1
H 10	Elm, Blackthorn	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Managed hedgerow. Even mix of species throughout	No work required at present time	/	1
H 11	Elm, Blackthorn, Ash, Hawthorn	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Managed hedgerow. Predominantly elm	No work required at present time	/	1
H 12	Hawthorn, Ash, Elm	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Lapsed management. Predominantly hawthorn	No work required at present time	/	1
H 13	Blackthorn	EM	2 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Predominantly scrub and bramble with some managed blackthorn within, mainly in eastern section	No work required at present time	/	1

Tree N°	Species	Age Class	Height (m)	Diameter (mm)	Crown Spread (m)				Life Exp	Cat	Condition	General Observations	Preliminary Management Recommendations	RPA (m²)	RPA Radius (m)
					N	E	S	W							
H 14	Blackthorn, Wych Elm, Hawthorn	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Species evenly mixed throughout hedgerow. Dense bramble within	No work required at present time	/	1
H 15	Hawthorn, Field Maple	EM	6 (Avg.)	100 (Avg.)	/	/	/	/	10+	C1	Fair	Unmanaged hedgerow. Species evenly mixed throughout	No work required at present time	/	1.2
H 16	Hawthorn, Elder, Blackthorn, Field Maple, Holly	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Managed hedgerow, predominantly blackthorn. Elder in Elder in northwest section. Minor holly south of T13	No work required at present time	/	1
H 17	Hawthorn, Blackthorn, Field Maple, Elm, Ash	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Predominantly blackthorn throughout, with maple, elm, and ash mainly in west section	No work required at present time	/	1
H 18	Hawthorn, Blackthorn, Elder	EM	3 (Avg.)	150 (Avg.)	/	/	/	/	10+	C1	Fair	Unmanaged hedgerow. Predominantly hawthorn. Elder and blackthorn in south aspect	No work required at present time	/	1.8
H 19	Hawthorn, Blackthorn	EM	3 (Avg.)	150 (Avg.)	/	/	/	/	10+	C1	Fair	Unmanaged hedgerow on top. Predominantly hawthorn	No work required at present time	/	1.8
H 20	Hawthorn, Elm	EM	3 (Avg.)	150 (Avg.)	/	/	/	/	10+	C1	Fair	Unmanaged hedgerow. Predominantly hawthorn with occasional elm (some of which is standing dead). Dense bramble throughout	No work required at present time	/	1.8

Tree N°	Species	Age Class	Height (m)	Diameter (mm)	Crown Spread (m)				Life Exp	Cat	Condition	General Observations	Preliminary Management Recommendations	RPA (m²)	RPA Radius (m)
					N	E	S	W							
H 21	Hawthorn	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Dense scrub within	No work required at present time	/	1
H 22	Hawthorn, Blackthorn	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Dense scrub within	No work required at present time	/	1
H 23	Hawthorn, Blackthorn, Field Maple, Elm, Ash	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Predominantly blackthorn with scattered elm throughout. Limited maple and ash	No work required at present time	/	1
H 24	Hawthorn, Blackthorn, Elm, Elder	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Species evenly distributed throughout	No work required at present time	/	1
H 25	Hawthorn	EM	4 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Provides site screening	No work required at present time	/	1
H 26	Blackthorn	EM	2 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Maintained hedgerow	No work required at present time	/	1
H 27	Blackthorn, Holly	EM	2 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Dense bramble throughout	No work required at present time	/	1
H 28	Blackthorn, Hawthorn, Ash	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Predominantly blackthorn with a patch of ash in the centre. Dense bramble throughout	No work required at present time	/	1
H 29	Blackthorn, Hawthorn, Ash, Field Maple, Elm	EM	2 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Predominantly blackthorn with a patch of elm in the centre. Dense bramble throughout	No work required at present time	/	1

Tree N°	Species	Age Class	Height (m)	Diameter (mm)	Crown Spread (m)				Life Exp	Cat	Condition	General Observations	Preliminary Management Recommendations	RPA (m²)	RPA Radius (m)
					N	E	S	W							
H 30	Hawthorn, Ash, Elm, Hazel, Elder	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Predominantly elm. Dense bramble throughout	No work required at present time	/	1
H 31	Hawthorn	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Unmanaged hedgerow. Dense bramble throughout	No work required at present time	/	1
H 32	Hawthorn, Field Maple, Blackthorn, Holly	EM	3 (Avg.)	80 (Avg.)	/	/	/	/	10+	C1	Fair	Managed hedgerow. Predominantly hawthorn in north section and blackthorn in south. Scattered maple in centre (north of T39). Holly immediately south of T39. Dense bramble throughout	No work required at present time	/	1

Appendix B: Key to Species Scientific Names

Common Name	Scientific Name
Ash	<i>Fraxinus excelsior</i>
Blackthorn	<i>Prunus spinosa</i>
Crack willow	<i>Salix fragilis</i>
Dogrose	<i>Rosa canina</i>
English oak	<i>Quercus robur</i>
Elder	<i>Sambucus nigra</i>
Field maple	<i>Acer campestre</i>
Goat willow	<i>Salix caprea</i>
Hawthorn	<i>Crataegus monogyna</i>
Holly	<i>Ilex aquifolium</i>
Leyland cypress	<i>X Cupressocyparis leylandii</i>
Weeping willow	<i>Salix x chrysocoma</i>
Wild cherry	<i>Prunus avium</i>
Wych elm	<i>Ulmus glabra</i>

Appendix C: Tree Constraints Plan – RSE_5861_TCP_V1