# ES VOLUME 2 Technical Appendices

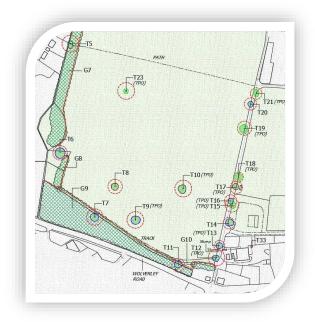
C - Arboriculture





Specialist Tree Surgery Services

# BS 5837:20 12 PRE-DEVELOPMENT TREE CONDITION SURVEY



RELATING TO

# LAND AT LEA CASTLE FARM, WOLVERLEY

PREPARED FOR:

# KEDD LTD

REFERENCE: TS71

May 2019



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#### BS 5837:2012 PRE-DEVELOPMENT TREE CONDITION SURVEY

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#### 1.1 Introduction

1.1.1 access2trees Limited offers various services to meet your specific needs from tree surveying to tree surgery, as well as site clearance, stump grinding and replanting. We are NPTC (National Proficiency Tests Council) qualified and hold the Lantra Professional Tree Inspectors Certificate.

#### 1.2 Instructions to Brief

- 1.2.1 access2trees have been instructed by Kedd Limited on behalf of their client, NRS Aggregates Ltd, to undertake a Tree Survey on land at Lea Castle Farm in Wolverley, Worcestershire.
- 1.2.2 The site is located within the administrative area of the Wyre Forest District Council.
- 1.2.3 The survey is in accordance with requirements set out in British Standard5837:2012 'Trees in Relation to Design, Demolition and Construction:Recommendations'.
- 1.2.4 The BS 5837:2012 survey includes all individual trees and tree groups within the site boundary, along with those present at the edges of the site, which may be adversely affected by the development proposals.

#### 1.3 Limitations

1.3.1 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 subject to change and best practice dictates they are inspected on an annual basis for reasons of safety, although longer inspection timescales may be given in the report where it is deemed necessary.



- 1.3.2 This survey should be regarded as an initial appraisal and observations, assessments or recommendations relating to foundation design, material specification or project design and methods of working are beyond the scope of the study.
- 1.3.3 Tree rooting characteristics and soils are both enormously variable as are their interactions. This makes attempts to quantify subsidence risk assessment impossible. No effort has been made to assess subsidence risk potential nor should any be construed. Obvious structural damage may be noted in the text but any observations of this nature will be cursory. Further reports from a suitably qualified surveyor or structural engineer will be required.
- 1.3.4 Whilst every effort has been made to detect defects within the trees inspected, no guarantee can be given as to the absolute safety or otherwise of any individual tree. Extreme climatic conditions can cause damage to even apparently healthy trees. All recommendations are given in the context of the site's current usage; any change will necessitate a re-inspection.

#### 1.4 Site Visit

1.4.1 A site visit to carry out the BS 5837 survey was undertaken by James Plaskett and Amy Plaskett on 20<sup>th</sup> May 2019 to review the current condition of the trees present.

#### 1.5 Site Description

- 1.5.1 The site is located to the east of the village of Wolverley, which is situated to the north of the town of Kidderminster, in Worcestershire.
- 1.5.2 The site is situated to the north of the B4189 Wolverley Road, and to the west of the A449 Wolverhampton Road. It is accessed via a track which leads into the site from 'South Lodge', off the Wolverley Road.
- 1.5.3 The site is located on former estate land associated with Lea Castle, which was demolished in the 1940s. The predominant use of the land now is for arable farmland, with some pasture land to the south for grazing horses.



- 1.5.4 Some of the parkland trees associated with the former Lea Castle estate remain on site, and are located within the large arable field at the west of the site. Others are present as a tree-lined avenue which runs northwards from South Lodge, which would have provided the formal entrance to Lea Castle, which was located further to the north.
- 1.5.5 The trees present on site are predominantly located at the north western, western and south western boundaries of the site, in the form of established woodland.
- 1.5.6 Further east, the sites boundaries are defined by mature hedgerow in combination with a brick boundary wall along the A449 road to the east. This wall also forms the sites southern boundary, along the Wolverley Road.

#### 1.6 Methodology

- 1.6.1 The following survey is based upon the findings of the visit and the conditions found on the day. This survey provides quantitative data relating to tree species, height, stem, diameter, height and direction of first significant branch, crown spread, age class and a brief qualitative assessment on tree condition and future potential.
- 1.6.2 With reference to BS 5837:2012 'Trees in relation to design, demolition and construction Recommendations', an assessment of the tree resource has been undertaken following guidance in BS 5837:2012 and a calculation has been made for the theoretical Root Protection Areas (RPA) as noted in the survey schedule in metres.
- 1.6.3 The location of the trees surveyed are illustrated on the Tree Survey Plan which is included in Appendix 2 of this report.
- 1.6.4 Information recorded in the BS 5837 survey includes the following:
  - Sequential Survey Reference Number Recorded on the survey plan. Individual trees recorded have been given the prefix 'T' followed 1,2,3 etc. Tree groups have been given the prefix 'G' followed by 1,2,3 etc. Hedgerows have been given the prefix 'H' followed by 1,2,3 etc.
  - **Species** The species identification is based on visual observations and the common English name is listed first, followed by the botanical name.



- Tree Heights These are estimated in metres.
- **Stem Diameters** Measured by and recorded in millimetres to the nearest 10mm. In the case of groups of trees the maximum diameter is recorded.
- **Crown Radius** Recorded in metres along each cardinal point. In the case of groups the maximum peripheral spread is recorded.
- Life Stage Recorded as prescribed in BS 5837:2012 (e.g Young (Y), Semi Mature (SM), Early Mature (EM), Mature (M), Over Mature (OM), Veteran (V)).
- **Condition** Individual assessment of Crown, Stem & Basal area condition is made and an overall assessment of Physiological Condition (e.g. the presence of any decay and physical defect). In the case of groups and/or woodlands the condition stated will be typical of the feature.
- Life Expectancy estimated; and recorded as follows: Less than 10 years, 10-20 years, 20-40 years, more than 40 years.
- **Retention Category** given as follows and corresponds with Table 1 of BS 5837:2012.
  - A- Trees of high quality and value, including visual amenity value (sub categories 1,2,3). It is usual for such trees to be retained unless the planning merits of a particular scheme or layout over-ride.
  - **B- Trees of moderate quality and value**, including visual amenity value (sub categories 1,2,3). Such trees should be considered for retention.
  - C- Trees of low quality and value, including visual amenity value (sub categories 1,2,3).
  - U- Trees 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.

Sub categories – trees in categories A to C will qualify under one or more of three sub categories (1,2,3). Sub categories 1, 2 & 3 are intended to reflect Arboricultural, Landscape Qualities, and Cultural Values respectively.

The tree survey schedule will list which sub category applies. It is intended that each sub category has equal weight such that, for example, an A1 tree has the same retention priority as an A2 tree. It is possible for a tree to qualify under more than one criterion.

• Root Protection Area (RPA) – This is calculated based on the average measure of the trees stem diameter in mm. In respect of all Category A, B and C trees which are proposed to be retained, the RPA has been calculated and is given in the Tree Survey Schedule, and would also be illustrated in the Tree Protection



drawing. The figure given represents the radial distance, from the trees trunk, at which the barriers should be erected. The RPA is calculated in accordance with section 4.6 of BS 5837:2012.

For single stemmed trees, the RPA should be calculated as an area equivalent to a circle with the radius 12 times the stem diameter. For trees with more than one stem, one of the two calculation methods below should be used. The calculated RPA for each tree should be capped at 707m2.

(a) For trees with two to five stems, the combined stem diameter should be calculated as follows:

(stem diameter 1)2 + (stem diameter 2)2 + (stem diameter 5)2

- (b) For trees with more than five stems, the combined stem diameter should be calculated as follows:
  - (mean stem diameter) 2 x number of stems

The RPA for each tree will initially be plotted as a circle on the base of the stem. Where pre-existing site conditions or other factors indicate that rooting has occurred asymmetrically, a polygon of equivalent area will be produced. Modifications to the shape of the RPA will reflect a soundly based aboricultural assessment of likely root distribution.

Any deviation in the RPA from the original circular plot will take account of the following factors whilst still providing adequate protection for the root system:

- a) The morphology and disposition of the roots, when influenced by past or existing site conditions (e.g. the presence of roads, structures and underground apparatus);
- b) Topography and drainage;
- c) The soil type and structure;
- d) The likely tolerance of the tree to root disturbance or damage, based on factors such as species, age, condition and past management.
- 1.6.5 The trees were initially inspected from the ground using 'Visual Tree Assessment' techniques; this is the method generally adopted and is appropriate in this instance. All trees and groups of trees inspected are listed in the Tree Survey Schedule (included in Appendix 1 of this report), and are numbered on the plans



which accompany this report (included in Appendix 2 of this report).

- 1.6.6 Trees which have been assessed as exhibiting similar characteristics have been defined as a tree group in accordance with recommendations included in BS5837:2012 which defines tree groups as, "Trees that form cohesive arboricultural features either aerodynamically, visually or culturally." Where this is the case, qualities considered to be representative of the group (e.g. the average stem diameter, average height etc.) have been recorded. Any marked differences noted within a grouped area (e.g. qualities that are not indicative of the group as a whole, or where individual trees present within a group may pose a specific hazard), have been highlighted in the appropriate section of the schedule (under relevant group reference) to ensure that all relevant information is recorded.
- 1.6.7 Individual trees present within a group which are worthy of note or comment have been highlighted in the Tree Survey Schedule, to ensure that all aspects of condition are covered, even if these do not relate to all trees present within the wider defined group.
- 1.6.8 Tree groups have been depicted by green hatch and/or noted on the drawings as required.

#### 1.7 Observations and Comments

- 1.7.1 In total 33 No. individual trees, 14 No. tree groups and 4 No. hedgerows were recorded as part of the survey. Of these, 6 No. individual trees have been assessed as being Category A trees (T15, T18, T19, T21, T23, T26), 13 No. as Category B trees (T2, T3, T4, T6, T7, T9, T11, T12, T13, T14, T16, T20, T27), 12 No. as Category C trees (T1, T5, T10, T22, T24, T25, T29, T30, T31, T32, T33, T34), and 2 No. as Category U trees (T8, T17). 3 No. tree groups have been assessed as being Category B tree groups (G2, G3, G6), and the rest were assessed as being Category C (G1, G4, G5, G7, G8, G9, G10, G11, G12, G13).
- 1.7.2 Principal tree species recorded included Cedar, Oak, Wellingtonia, Sycamore, Lime, Beech, Birch and Ash. Crab Apple, Elm, Damson, Sweet Chestnut, Willow, Scots Pine, Rowan, Yew and Poplar species were also present.



1.7.3 Recommendations relating to the trees surveyed are included in the Tree Survey Schedule, included in Appendix 1 of this report.

#### 1.8 Legislation & Protection

1.8.1 Trees in England may be protected by a Tree Preservation Order (TPO) and/or if they are situated within a Conservation Area.

Tree Preservation Orders:

- 1.8.2 Government guidance in relation to Tree Preservation Orders and trees in Conservation Areas states that: *"Tree Preservation Orders are made by the Local Planning Authority to protect specific trees, groups of trees or woodlands in the interests of amenity. An order prohibits the:* 
  - cutting down;
  - topping;
  - lopping;
  - uprooting;
  - wilful damage; and
  - wilful destruction

of trees without the Local Planning Authorities written consent." "In the Secretary of State's view, cutting roots is also a prohibited activity and requires the authorities consent."

1.8.3 Prior to undertaking work on trees protected by a TPO, permission must be sought from the Local Planning Authority by submitting a standard application form.

#### Conservation Areas:

1.8.4 In order to undertake any work to trees present within Conservation Areas, it is a requirement to notify the Local Planning Authority of the work proposed using a Section 211 Notice. The Council must be notified 6 weeks before undertaking the work. The work may go ahead at the end of the 6 week period if the Local Planning Authority gives consent.



1.8.5 Note: trees within Conservation Areas which are already protected by a TPO are subject to the normal procedures and controls relating to the TPO.

#### Legislation Relating to the Site:

- 1.8.6 The interactive map on the Wyre Forest District Council website indicates that the following trees present within the site area are protected by a Tree Preservation order (please note that the references listed are based on those used as part of this survey): T4, T9, T10, T12, T13, T15, T16, T17, T18, T19, T21, T25. These trees have been highlighted as having TPO's on the drawings included in Appendix 2 of this report.
- 1.8.7 The TPO citation is entitled: *'Lea Castle Farm, Wolverhampton Road, Kidderminster. T1, T2, T5, T6, T7, T9 – Beech, T3, T4, T8, T16 – Lime, T10, T11, T14, T15, T17 – Oak, T12, T13 – Wellingtonia'*
- 1.8.8 It is understood that the site is not located within a Conservation Area.

#### **1.9 Development Proposals**

- 1.9.1 It is proposed to undertake sequential mineral extraction across the site. The works are to be divided into 5 No. phases, which will be carried out over a period of 10 No. years.
- 1.9.2 The development proposals are illustrated in the drawing produced by KEDD Ltd entitled 'Block Phasing' ref: KD.LCF.013 included in Appendix 3 of this report.

#### 1.10 Arboricultural Impact Assessment

- 1.10.1 A Tree Protection Plan has been produced, identifying trees proposed for retention, protection and removal in relation to the development proposals, and is included in Appendix 2 of this report.
- 1.10.2 In total, 5 No. trees are proposed for removal to facilitate the development proposals, comprising T8, T9, T10, T22 and T26.



- 1.10.3 Of these, there is 1 No. Category U tree (T8), 2 No. are Category C trees (T10, T22), 1 No. is a Category B tree (T9), and 1 No. is a Category A tree (T26).
- 1.10.4 T8 is a Category U tree which has been assessed as being dead, as such the impacts arising from its removal are considered to be **Negligible**.
- 1.10.5 T10 is a mature Oak tree. A number of defects were present including a large area of decay at the base of the tree, poor unions, major dead wood, decay pockets which were present throughout and bark wounding. Overall its stem and base were assessed as being poor. For these reasons this tree has been assessed as being a Category C tree with limited future potential. It is important to note that this tree is protected by a TPO (see section 1.8 of this report for details). For the above reasons, the impact of its removal is considered to be **Low**
- 1.10.6 T22 is a Category C veteran Sweet Chestnut tree. Overall it was assessed as being of poor structural and physiological condition. Defects present included apical dieback, presence of stags horns, and damaged bark at its base. Due to its overall poor condition, and categorisation, the impact of its removal is considered to be Low.
- 1.10.7 T9 is a mature Oak tree, which is considered to be a Category B tree due to forms and structure exhibited. It is important to note that this tree has defects, including decay pockets, apical die back and major dead wood. On balance, because it is a Category B tree, and because it is protected by a TPO, the resulting impact of its removal is considered to be **Moderate**.
- 1.10.8 T26, is a mature Oak tree which has been assessed as being a Category A tree due to good overall physiological and structural condition. Due to the high categorisation of this tree the impact of its removal is considered to be **High**.
- 1.10.9 In addition to the above, 2 No. stretches of hedgerow will require removal to facilitate the development proposals, comprising approximately 89 lin m of the western extent of hedgerow H3, and 94 lin m of the western extent of hedgerow H4.
- 1.10.10 To help provide mitigation for the trees and hedgerow proposed for removal, it is proposed that new tree planting is undertaken as part of the restoration scheme, at a minimum of a 1:1 ratio basis following mineral extraction. It is recommended that the new planting uses like-for-like native species, of local provenance, and that



extra heavy standard tree stock are specified (for the individual tree planting), as a minimum. This will ensure that in the long term the adverse impacts relating to the removal of trees T9, T10, T22 and T26, and the sections of hedgerow H3 and H4 will be fully mitigated.

1.10.11 The proposed extraction area stand-off from the mature trees present around the sites boundaries ensures that all other trees present on/at the edges of the site will be retained as part of the development proposals. It is proposed that these are protected during the works by erecting tree protection fencing in accordance with the requirements of BS 5837:2012, as part of the development proposals.

#### Works within the RPA's of T4 and T19

- 1.10.12 The proposed extraction boundary is located within a limited section of the RPA's of trees T4 and T19. Due to the high categorisation of these trees (T4 has been assessed as being a Category B tree, and T19 as a Category A tree), in the event that these trees fail as a result of the development, the impact is expected to be **High**. As such, it is proposed the extraction area is amended to ensure that the extraction boundary no longer overlaps with the RPA's of these trees, and that no works are proposed within the RPA's.
- 1.10.13 Please see the Tree Survey Schedule, included in Appendix 1 of this report, which notes specific recommendations relating to arboricultural works to trees to be retained.

#### 1.11 Arboricultural Method Statement

- 1.11.1 Drawings TS71-002 and 007 included in Appendix 2 of this report illustrate the trees to be retained and protected using tree protection fencing.
- 1.11.2 Prior to the commencement of construction works, the RPA's of all trees to be retained will require marking out (encompassing a circle around the trees with a radii noted in the BS 5837 Tree Schedule in Appendix 1, and illustrated in the Tree Protection and Removals Plans in Appendix 2).
- 1.11.3 Note: where the RPA's are on adjacent third party land, facing away from the development site, just the section of RPAs present within the site area will require



marking out.

- 1.11.4 Protective barrier fencing is to be erected in accordance with the requirements of BS5837:2012 (see specification included in Appendix 4 of this report), to the extent of the RPA's marked out. This area will demark construction exclusion zones to ensure that all works access is prevented within tree RPA's and canopy spread's, to ensure that the works do not adversely affect the trees to be retained. The protective fencing is to be erected prior to the commencement of works on site, and is to remain in place for the duration of the works.
- 1.11.5 All personnel are to be made aware of the restrictions to working within the RPA's and construction exclusion zones, within which no works access is permitted. Personnel are to be made aware that such areas are to be fenced and maintained as construction exclusion zones for the entirety of the works, in order to protect the root protection areas in accordance with BS 5837:2012. No mechanical equipment/vehicles are to be allowed within these areas, and storage of materials, vehicle tracking, storage of fuel/oil, and excavation works/alterations to ground levels are not permitted.
- 1.11.6 Given the close proximity of trees to be retained to the working area, it is imperative that tree canopies and aerial branches of these trees are not damaged by the works. Operatives are to be suitable briefed with respect of all locations where tree canopies may extend over the working area to take care to ensure than damage is not caused by vehicles or any operations associated with the works. In addition, any plant in close proximity to trees should be conducted under the supervision of a banks-man to ensure that adequate clearance from trees is maintained at all times.
- 1.11.7 No fires are to be lit within 20m of tree stems to be retained, and all new services and drainage are prohibited through tree RPA's.

#### Additional Requirements:

1.11.8 Recommendations for works to be undertaken to improve the continued establishment of the trees present on site are included in the Tree Survey Schedule which is included in Appendix 1 of this report. All works, including the tree felling work required to facilitate the development proposals outlined in this report, are to be undertaken in accordance with BS 3998:2010 by suitably qualified personnel,



and in accordance with up to date and relevant health and safety legislation.

- 1.11.9 It is recommended that all tree/scrub removal works are undertaken outside the bird nesting season (please note that the bird nesting season runs from March to August).
- 1.11.10 Overhead lines present within close proximity to trees requiring work, or to be felled, are to be identified and appropriate measures taken to ensure safe working near to these lines, including the production of risk assessments and method statements. Please note the locations of overhead lines have not been included as part of this survey, and any references to cables within the report should be regarded as cursory.
- 1.11.11 A number of the trees present on site are protected by a Tree Preservation Order (TPO) – see detail included in Section 1.8 of this report. Please note that prior permission from the Wyre Forest District Council will be required before any works (including felling) can be undertaken to the trees.



#### Tree Survey Schedule:

• BS 5837:2012 Tree Survey Schedule

#### Client: KEDD Ltd Project: Lea Castle Farm Survey Date: 20/05/2019 Surveyor: James Plaskett & Amy Plaskett



#### access2trees ltd

Corbet Lodge Moreton Corbet Shrewsbury Shropshire SY4 4DW Phone: 01939 252 818

Tree and Tag No		Hght		Stems	_	rown		RP	Phys	Structural	Preliminary Recommendations Ca
Species		(m)	No	Ø (mn	Spread 1) (m)	d Clear (m)	Age	A (m²) R (m)	Condition	Condition	· · · · · · · · · · · · · · · · · · ·
G1											Estimated Measurem
A Group		7	3	130	(Eq) N	3	М	A: 7.6	Fair	C: Fair	С.
					E S W	3 3 3		R: 1.55		S: Fair B: Fair	Tree group located to the west of the boundary fence10 toincluding 1 No. multistemmed Damson, 3 No. Elm. Wideyrspacings between specimens, approximately 8m. Bramblespresent at base - unable to fully inspect.
G2											Estimated Measurem
A Group 		16	1	350	N E S W	5 5 5 5	М	A: 55.4 R: 4.19	Fair	C: Fair S: Fair B: Fair	B.         Tree group including 5 No. Birch. Group located on 3rd party land, as such it was not possible to fully inspect.       10 to yrs
G3											Estimated Measurem
A Group 		20	1	500	N E S W	6 7 6	М	A: 113.1 R: 6	Good	C: Good S: Good B: Good	B.1 Group of Lime trees located to the north of the site boundary, on 3rd party land - as such it was not possible to fully assess the trees. Unbalanced crowns and growth suppression due to the close proximity of trees and competition for light. Epicormic growths.
Age Classifications:	N Y SM	Newly plant Young Semi-matur		M M	arly Mature ature ver Mature		Condit	ion: C S B	Stem	a	Stems:       Ø       Diameter         (Eq)       Equivalent stem diameter using BS5837:2012 definition         ERC:       Estimated Remaining Contribution
Daga 1									lindor		21 May 2

Tree and Tag No		Hght		Stems		rown		RP	Phys	Structural	Preliminary Recommendations	Cat
Species		(m)	No	, Ø (mm	Spread (m)	d Clear (m)	Age	A (m²) R (m)	Condition		Survey Comment	ERC
G4											Estimate	d Measurements
A Group		17	1	500	Ν	6	М	A: 113.1	Fair	C: Fair	Remove :: Major dead wood	C.1.2
					Е	6		R: 6		S: Fair	Remove :: Stubs	20 to 40
					S	6				B: Fair	See Comment :: See Comment	yrs
					W	6						
											Tree group located to the north of the boundary fence, including Oak, Sycamore, Hawthorn, Privet. Defects present include major dead wood, stubs, storm damage. Located on 3rd party land - as such it was not possible to fully assess. Southern canopies were located close to a BT cable, ensure to 2m clearance.	
G5											Estimate	d Measurements
A Group		17	1	380	Ν	6	М	A: 65.3	Good	C: Fair	Ivy :: Sever only	C.2
					E	6		R: 4.55		S: Fair	Remove :: Major dead wood	20 to 40
					S W	6 6				B: Fair	Tree group including Oak, Sycamore, Hawthorn, Yew, Sweet Chestnut, Privet. Trees are located in close proximity, as su there is little lower lateral growth, stems were leaning and unbalanced crowns present due to light suppression. Trees need thinning in the future, to remove the lower quality tree Major dead wood present. Squirrel damage evident. Recommendation to sever Ivy.	ch vill
G6											Estimate	d Measurements
A Group		18	1	550	Ν	6	М	A: 136.9	Good	C: Fair	Ivy :: Sever only	B.1.2
					E	6		R: 6.6		S: Fair	Remove :: Major dead wood	20 to 40
					S	6				B: Fair	-	yrs
					W	6					Tree group including Sycamore, Elder, Privet, Elm, Oak, Holl Recommendation to sever Ivy, and remove major dead woo	
G7												d Measurements
A Group		10	1	280	Ν	4	м	A: 35.5	Fair	C: Fair		C.2
			_		E	4		R: 3.36		S: Fair		
					S	4				B: Fair	Tree group including Goat willow, Cherry, Scots Pine, Rowar Oak, Hawthorn, Sycamore. Recommendation to remove	, 201040 yrs
					W	4					major dead wood. Trees will need thinning in the future due to close proximities.	
Age Classifications:	N	Newly plant	ed		rly Mature		Condit	ion: C			Stems: Ø Diameter	
	Y	Young			ature			S			(Eq) Equivalent stem diameter using BS5837:201	2 definition
	SM	Semi-matur	е	OM Ov	ver Mature			В	Basal are	a	<b>ERC:</b> Estimated Remaining Contribution	
Page 2								Tree	/linder			31 May 2019

Tree and Tag No		Hght		Stems		Crown		RP	Phys	Structural		Preliminary Recommendations	Cat
Species		(m)	No	, Ø (mm)	Sprea (m)	d Clear (m)	Age	A (m²) R (m)	Condition	Condition		Survey Comment	ERC
G8												Estimated Me	easurement
A Group		5	1	120	Ν	2	SM	A: 6.5	Good	C: Good			C.2
					Е	2		R: 1.43		S: Good	Vouna	plantation including Oak Lime Elm Sycamore located	20 to 40
					S	2				B: Good		plantation including Oak, Lime, Elm, Sycamore located west of the boundary fence. Dutch Elm Disease	yrs
					W	2						nt - some Elms are dying.	
G9												Estimated Me	easurement
A Group		14	1	300	Ν	5	М	A: 40.7	Fair	C: Good	Ivy :: 5	Sever only	C.2
					Е	4		R: 3.59		S: Fair			20 to 40
					S	4				B: Fair		roup including Sycamore, Elm, Hawthorn, Elder, Silver Holly, Yew, Sweet Chestnut, Horse Chestnut, Laurel,	yrs
					W	4						Largest diameter is 650mm. Trees are in close	
											proxim	nity and will need thinning in the future. As such there is	
											little lo presen	ower lateral growth, and unbalanced canopies. Ivy nt.	
G10												Estimated Me	easurement
A Group		12	1	390	Ν	4	SM	A: 68.8	Fair	C: Fair	Ivy :: 5	Sever only	C.2
					Е	4		R: 4.67		S: Fair		•	20 to 40
					S	4				B: Fair		roup including Leylandii (planted in lines as hedgerow), Scots Pine, Elder, Sycmore, Willow, Lilac, Beech, Maple,	yrs
					W	4						Apple. Currently unmanaged, but likely to have originally	
												part of an old garden to adjacent property. Poor s. Ivy present.	
G11												Estimated Me	easurement
A Group		12	1	350	Ν	5	М	A: 55.4	Fair	C: Fair	Ivy :: 5	Sever only	C.1.2
					Е	5		R: 4.19		S: Fair		•	20 to 40
					S	5				B: Fair		roup including Purple Acer, Sycamore, Ash, Poplar, , Willow. 3rd party owned, as such it was not possible to	yrs
					W	5						y access. Recommendation to sever Ivy.	
G12												Estimated Me	easurement
A Group		14	1	360	Ν	5	М	A: 58.6	Fair	C: Fair	Ivv :: 5	Sever only	C.2
					Е	5		R: 4.31		S: Fair		•	20 to 40
					S	5				B: Fair		proup located to the south of the fence, including	yrs
					W	5						nore. 3rd party owned, as such it was not possible to y access. Ivy present prevents a full inspection. Light	
											suppre	ession due to close proximity of the trees.	
Age Classifications:	N	Newly plant	ed	EM Ea	ly Mature		Condit	ion: C	Crown		Stems:	Ø Diameter	
	Y	Young		M Ma	ture			S	Stem			(Eq) Equivalent stem diameter using BS5837:2012 de	finition
	SM	Semi-matur	e	OM Ov	er Mature			В	Basal are	а	ERC:	Estimated Remaining Contribution	
Page 3								Tree	linder			3	1 May 2019

Species		Hght							Dhuc	Structural		
		(m)	No	Ø (mi			Clear Age (m)	A (m²) R (m)	Phys Condition	Condition	Preliminary Recommendations Survey Comment	Cat ERC
G13											Estimated M	easuremen
A Group		16	1	700	Ν	6	М	A: 221.7	Fair	C: Fair	Ivy :: Sever only	C.2
					Е	6		R: 8.4		S: Fair	See Comment :: See Comment	20 to 40
					S	6				B: Fair		yrs
					W	6					Tree group including 2 No. Sycamore, 1 No. dead Hawthorn, 1 No. Holly. Ivy present prevents a full inspection to 1 No. Sycamore. Sycamore are located on 3rd party land, as such it was not possible to fully assess. Recommendation to sever Ivy, and fell dead Hawthorn.	
G14											Estimated M	easurement
A Group		7	1	300	Ν	3	М	A: 40.7	Fair	C: Fair		C.2
					Е	3		R: 3.59		S: Fair	Sycamore tree group located immediately east of the site	20 to 40
					S W	3 3				B: Fair	boundary. Has been heavily pollarded/coppiced. Signs of resistograph testing.	yrs
H1											Estimated M	easuremen
A Group		3	3	40	(Eq) N	1.5	М	A: 0.7	Good	C: Good		<b>B.2</b>
					Е	1.5		R: 0.47		S: Fair	Hedgerow including Hawthorn. Bramble. Gappy in places.	20 to 40
					S	1.5				B: Fair		yrs
					W	1.5						
H2												
A Group		2	3	50	(Eq) N	1.5	М	A: 1.1	Good	C: Good		B.2.3
					E	1.5		R: 0.59		S: Fair	Hedgerow including Hawthorn, Elm, Elder, located to the east	20 to 40
					S	1.5				B: Fair	of the track. Gappy.	yrs
					W	1.5						
H3												
A Hedgerow		3	3	30	(Eq) N	1.5	М	A: 0.4	Good	C: Good		B.2.3
- Spp.					E	1.5		R: 0.35		S: Fair	Hedgerow including Elm, Hawthorn, located to the south of	20 to 40
					S W	1.5 1.5				B: Fair	the track. Sparse beneath the mature tree present here.	yrs
						1.5						
Age Classifications:	N Y	Newly planter Young	d		Early Matur ⁄lature	e	Condi	tion: C S			Stems: Ø Diameter	finition
		Young Semi-mature			/lature Over Matur	2		B		a	(Eq) Equivalent stem diameter using BS5837:2012 de ERC: Estimated Remaining Contribution	minion
Page 4	0101	Sem-matule							Ainder	4	· · · · · · · · · · · · · · · · · · ·	1 May 2019

Tree and Tag No		Umbe	9	Stems	0	Crown		RP	Dhure	Church and a second	Preliminary Recommendations	C-+
Species		Hght (m)	No	Ø (mm)	Sprea (m)	d Clear (m)	r Age	A (m²) R (m)	Phys Condition	Structural Condition	Survey Comment	Cat ERC
H4												
A Hedgerow		4	3	30 (E	q) N	1.5	М	A: 0.4	Good	C: Good		B.2.3
- Spp.					Е	1.5		R: 0.35		S: Fair	Hedgerow including Hawthorn, Elm, Bramble. Hedge is sparse	20 to 40
					S	1.5				B: Fair	and gappy in places, and doesn't appear to be managed.	yrs
					W	1.5						
T1											Estimated Meas	urement
Deodar Cedar		24	1	890	Ν	8	М	A: 358.4	Fair	C: Fair		C.2
Cedrus deodara					Е	8		R: 10.68		S: Fair	Tree is located approximately 3m to the east of the fence, on	10 to 20
					S	11				B: Fair	3rd party land - as such it was not possible to fully assess.	yrs
					W	4					Livestock present in field. Major dead wood present throughout, storm damage evident.	
T2											Estimated Meas	urement
Common Oak		19	1	650	Ν	6	М	A: 191.2	Fair	C: Fair		B.1.2
Quercus robur					Е	5		R: 7.8		S: Good	Tree is located approximately 2m to the east of the fence line,	20 to 40
					S	4				B: Fair	on 3rd party land - as such it was not possible to directly	yrs
					W	6					assess. Major dead wood and stubs present. Some die back in upper crown.	
Т3												
Sycamore		16	0		Ν	6	М	A: 0	Fair	C: Good		<b>B.1.2</b>
Acer pseudoplatanus					Е	6		R: 0		S: Fair	Tree is located on 3rd party land, as such it was not possible	20 to 40
					S	6				B: Fair	to fully assess. Major dead wood present. Southern canopy is	yrs
					W	9					touching Bt cable - recommendation to reduce to allow up to 2m clearance.	
T4												
Wellingtonia		28	1	1520	Ν	4	М	A: 707	Fair	C: Fair	Remove :: Major dead wood	B.1.2.3
Sequoiadendron giganteum					Е	4		R: 15		S: Fair	Remove :: Stubs	20 to 40
					S	5				B: Fair		yrs
					W	4					Changes in levels at the base of this tree have occurred, and the land at its base is higher than the existing ground surrounding (by approximately 1.5m), possibly due to works associated with the motorcross tracks here. The tree has lost limbs (common to species), and there are failed and fractured branches, as well hanging branches and major dead wood present. Recommendation to remove major dead wood and stubs.	
Age Classifications:	Ν	Newly plante	d	EM Early	/ Mature		Condit	ion: C	Crown		Stems: Ø Diameter	
	Y	Young		M Matu				S	Stem		(Eq) Equivalent stem diameter using BS5837:2012 defini	tion
	SM	Semi-mature	•	OM Over	Mature			В	Basal are	а	ERC: Estimated Remaining Contribution	
Page 5								Trool	Vinder		31 M	lav 2019

Hght (m)	No	Ø		rown		RP	Phys	Structural	Preliminary Recommendations	Cat
		(mm)	Spread (m)	d Clear (m)	Age	A (m²) R (m)	Condition	Condition	Survey Comment	ERC
15	1	1350	Ν	5	М	A: 707	Fair	C: Fair	Reduce crown(s) :: By 20%	C.1.2
			Е	4		R: 15		S: Poor	Remove :: Major dead wood	10 to 20
			S	9				B: Poor	-	yrs
			W	5					Tree is located approximately 6m from the edge of the field, adjacent to the rear boundaries of adjacent properties, and adjacent to a footpath. Major dead wood present, as well as stubs, and a failed branch at 4m height to the south. Tree is in poor condition, and there are signs of a fungus present to base to the north - recommendation to reinspect for signs of fungal fruiting bodies in the autumn. Recommendation to crown reduce by 20%	
19	1	1070	Ν	9	М	A: 518	Fair	C: Fair		<b>B.1.2</b>
			Е	9		R: 12.84			Tree has major dead wood present throughout, over extended	20 to 40
			S W	10 9				B: Fair	branches and a sparse lower crown - recommendation to monitor going forward. Pruning wounds are evident, which the tree does not appear to have responded well to.	yrs
24	1	1230	Ν	7	М	A: 684.5	Good	C: Good		B.1.2
			Е	7		R: 14.76			Tree is located approximately 3m to the south of the	20 to 40
			S W	8 8				B: Fair	boundary. Dead branch located at 8m height to the north. Included bark present at 3m height - recommendation to monitor. Recommendation to sever Ivy.	yrs
13	1	1070	Ν	6		A: 518	Dead	C: Poor		U
					Dea	R: 12.84			Tree is dead May be suitable for retention for habitat value.	n/a
			S W	7 7	đ			B: Poor	Elder shrub at base to the south (multistemmed average 130mm diameter).	
	24	24 1	24 1 1230	W 19 1 1070 N E S W 24 1 1230 N E S W 13 1 1070 N E S	W 5 19 1 1070 N 9 E 9 S 10 W 9 24 1 1230 N 7 E 7 S 8 W 8 13 1 1070 N 6 E 6 S 7	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	W       5         19       1       1070       N       9       M       A: 518         19       1       1070       N       9       M       A: 518         24       1       1230       N       7       M       A: 684.5         24       1       1230       N       7       M       A: 684.5         13       1       1070       N       6       P       A: 518         8       Y       8       Y       Y       Y       Y	W       5         19       1       1070       N       9       M       A: 518       Fair         19       1       1070       N       9       M       A: 518       Fair         24       1       1230       N       7       M       A: 684.5       Good         13       1       1070       N       6       A: 518       R: 14.76       Dead         13       1       1070       N       6       Pair       A: 518       Dead	W       5         19       1       1070       N       9       M       A: 518       Fair       C: Fair         19       1       1070       N       9       M       A: 518       Fair       C: Fair         24       1       1230       N       7       M       A: 684.5       Good       C: Good         24       1       1230       N       7       M       A: 684.5       Good       C: Good         13       1       1070       N       6       Point       A: 518       Dead       C: Poor         13       1       1070       N       6       Point       A: 518       Dead       C: Poor         13       1       1070       N       6       Point       A: 518       Dead       C: Poor         8:       Poor       Point       Poor       Poor       Poor       Poor       Poont	W5Remove :: Stubs1911070N9MA: 518 R: 12.84Fair R: 12.84C: Fair S: Fair B: FairTree is located approximately 6m from the edge of the field, adjacent to a footpath. Major dead wood present, as well as stubs, and a failed branch at 4m height to the south. Tree is in poor condition, and there are signs of a fungus present to base to the north - recommendation to reinspect for signs of fungal fruiting bodies in the autumn. Recommendation to crown reduce by 20%1911070N9MA: 518 R: 12.84Fair S: Fair B: FairC: Fair Tree has major dead wood present throughout, over extended branches and a sparse lower crown - recommendation to monitor oging forward. Pruning wounds are evident, which the tree does not appear to have responded well to.2411230N7 SMA: 684.5 R: 14.76GoodC: Good S: Good1311070N6 E SA: 518 QDeadC: Poor S: PoorTree is located approximately 3m to the south of the boundary. Dead branch located at 8m height to the north. Included bark present at 3m height - recommendation to monitor. Recommendation to sever Ivy.1311070N6 E G GA: 518 QDeadC: Poor S: Poor B: PoorTree is dead May be suitable for retention for habitat value. Elder shrub at base to the south (multistemmed average

Tree and Tag No		Hght		Stems		rown		RP	Phys	Structural	Preliminary Recommendations	Cat
Species		(m)	No	o Ø (mm)	Spread (m)	d Clea (m)		A (m²) R (m)	Condition	Condition	Survey Comment	ERC
Т9												
Common Oak		15	1	1500	Ν	7	М	A: 707	Fair	C: Fair	E	<b>B.1.2.</b> 3
Quercus robur					E S W	9 8 8		R: 15		S: Fair B: Fair		0 to 40 yrs
T10											the tree is undertaken. Wooupeeker holes present.	
Common Oak		17	1	1480	Ν	7	М	A: 707	Fair	C: Fair	Reduce crown(s) :: By 15%	C.2
Quercus robur					Е	5		R: 15		S: Poor		0 to 20
					S W	9 9				B: Poor	Remove :: Stubs	yrs
											3 No. large branches have failed at 3m height to the east. Decay present at base (1400mm tall by 900mm). Other defects include poor unions, decay pockets throughout, major dead wood and bark wounding. Recommendation to tidy stubs, remove major dead wood, and consider crown reducing by 15%	
T11												
Common Lime		20	1	970	Ν	9	М	A: 425.7	Good	C: Good		<b>B.1.2</b>
Tilia europaea					E S W	7 4 7		R: 11.64		S: Fair B: Fair	Tree is located on the northern edge of the wooded area. Defects present include major dead wood and stubs. Ivy present prevents a full inspection - recommendation to sever and reinspect.	0 to 40 yrs
T12												
Common Beech		23	1	1240	Ν	4	М	A: 695.7	Fair	C: Fair		<b>B.1.2</b>
Fagus sylvatica					Е	5		R: 14.88		S: Fair	Tree is located to the east of the field fence. It has a sparse 20	0 to 40
					S W	7 8				B: Fair	canopy and appears to be stressed, which may be a result of compaction at the base. Rowan growing at 3m height at to union between stems. Overall it is recommended that this tree is monitored, and re-inspected in 6 months for signs of fungus.	yrs
Age Classifications:	N	Newly plant	ted		y Mature		Condit				Stems: Ø Diameter	
	Y SM	Young Semi-matu	re	M Matu OM Over				S B	Stem Basal are	а	(Eq) Equivalent stem diameter using BS5837:2012 definiti ERC: Estimated Remaining Contribution	lion
Page 7								TreeN	linder		· · · · · · · · · · · · · · · · · · ·	ay 2019

Tree and Tag No		Umbt	9	Stems	Cr	own		RP	Dhua	Chan altra - I	Preliminary Recommendations	<b>C</b> -+
Species		Hght (m)	No	Ø (mm)	Spread (m)	Clear (m)	Age	A (m²) R (m)	Phys Condition	Structural Condition	Survey Comment	Cat ERC
T13												
Common Lime		26	1	790	N	6	М	A: 282.4	Good	C: Good		B.1.2
Tilia europaea					Е	6		R: 9.48		S: Fair	Tree is located to the east of the fence. The presence of	20 to 40
					S	5				B: Fair	epicormic growths at the base, mean it was not possible to	yrs
					W	6					survey the base of this tree. Included bark present at union	
											between co-dominant stems at 8m height - recommendation to monitor.	
T14												
Common Beech		21	1	860	Ν	8	М	A: 334.6	Good	C: Good		<b>B.1.2.</b> 3
Fagus sylvatica					Е	9		R: 10.32		S: Fair	Tree is located to the east of the track, to the west of an	>40 yrs
					S	5				B: Good	embankment (approx. 1.8m height). Past branch failure, now	
					W	6					a stub present at 6m height to the north. Recommendation to alleviate end loading weight to the east, and monitor cavities at 3m height to the east.	
T15												
Common Beech		20	1	1020	Ν	7	М	A: 470.7	Good	C: Good		A.1.2.3
Fagus sylvatica					Е	7		R: 12.24		S: Good	Tree is located to the east of the track, west of an	>40 yrs
					S	6				B: Good	embankment (approx. 1.5m height). Good unions.	
					W	4					Recommendation to crown lift up to 5.5m on road side.	
T16												
Common Lime		21	1	890	Ν	5	М	A: 358.4	Good	C: Good		<b>B.1.2.</b> 3
Tilia europaea					Е	5		R: 10.68		S: Fair	Presence of dense epicormic growths mean it was not possible	20 to 40
					S	6				B: Fair	to inpsect the basal area - recommendation to remove and	yrs
					W	5					reinspect.	
T17												
Common Beech		18	1	920	Ν	8	М	A: 383	Dead	C: Poor	Fell :: Fell to ground level	U
Fagus sylvatica					E	4		R: 11.04		S: Poor		n/a
					S	4				B: Poor	Dead tree - recommantation to fell.	
					W	7						
									2			
Age Classifications:		Newly plante	ed		Mature		Conditi		Crown		Stems: Ø Diameter	initia
		Young Semi-mature	_	M Matur OM Over				S B	Stem Basal area		(Eq) Equivalent stem diameter using BS5837:2012 def ERC: Estimated Remaining Contribution	muon
	OW	Sem-mature	-	Own Over	Mature			D	Dasal alea	a	LNO. Estimated Nemaining Contribution	

Tree and Tag No		11-64		Stems	(	Crown		RP	Dhur	Chan a share a	Preliminary Recommendations	C-+
Species		Hght (m)	No	Ø (mm)	Sprea (m)	d Clea (m)		A (m²) R (m)	Phys Condition	Structural Condition	Survey Comment	Cat ERC
T18												
Common Beech		11	1	720	Ν	7	М	A: 234.5	Good	C: Good	Raise low canopy :: To 5.0m	A.1.2.3
Fagus sylvatica					Е	7		R: 8.63		S: Good	Remove :: Stubs	>40 yrs
					S	6				B: Good		
					W	7					Recommendation to remove stubs and crown lift up to 5.5m height on the road side.	
T19												
Common Beech		19	1	1040	Ν	7	М	A: 489.4	Good	C: Good	See Comment :: See Comment	A.1.2.3
Fagus sylvatica					Е	6		R: 12.48		S: Good		>40 yrs
					S W	10 9				B: Good	Tree is located immediately adjacent to the fence (fence located to the east). Recommendation to crown lift up to 5.5m height on the road side.	,
T20												
Common Lime		18	1	900	Ν	5	М	A: 366.5	Good	C: Good	See Comment :: See Comment	B.1.2.3
Tilia europaea					Е	5		R: 10.8		S: Fair		20 to 40
					S	6				B: Fair	Dense epicormic growths at base mean that it was not possible to fully survey the basal area of this tree -	yrs
					W	5					recommendation to remove epicormic growths and reinspect. Minor dead wood in upper crown - monitor. Crown lift up to 5.5m height on the road side.	
T21												
Common Beech		19	1	850	Ν	8	М	A: 326.9	Good	C: Good	See Comment :: See Comment	A.1.2.3
Fagus sylvatica					Е	5		R: 10.2		S: Good		>40 yrs
					S	6				B: Good	Tree is located to the east of the track. Minor dead wood present. Recommendation to sever Ivy, crown lift up to 5.5m	
					W	5					height on the road side, and remove stubs.	
Т22												
Sweet Chestnut		9	1	1200	Ν	4	<	A: 651.5	Poor	C: Poor		C.1.2.3
Castanea sativa					Е	4	Veteran	R: 14.4		S: Poor	Tree has apical dieback, stags horns and damaged bark at	10 to 20
					S	5	an.			B: Poor	base. It could be retained for habitat value. There is a high	yrs
					W	4					proporation of epicormic growths - preventing a full inspection.	
Age Classifications:	N Y	Young		M Matu			Condit	<b>ion:</b> C S			Stems:       Ø       Diameter         (Eq)       Equivalent stem diameter using BS5837:2012 defined for the stem diameter using BS5837:201	nition
	SM	Semi-matu	ire	OM Over	Mature			В	Basal area	a	ERC: Estimated Remaining Contribution	
Page 9								Tree	linder		21	May 2019

Tree and Tag No		Hght		Stems		rown		RP	Phys	Structural		Preliminary Recommendations	Cat
Species		(m)	No	Ø (mm)	Spread (m)	l Clear (m)	Age	A (m²) R (m)	Condition			Survey Comment	ERC
T23													
Wellingtonia		27	1	1710	Ν	4	М	A: 707	Good	C: Good			A.1.2.3
Sequoiadendron giganteur	m				Е	4		R: 15		S: Good	Good	quality tree. Stand off of arable farmland surrounding	>40 yrs
					S	5				B: Good	appear	s to be fair. This tree is a fine example of an	
					W	5					unman	aged Wellingtonia tree.	
T24													
Crab Apple		5	5	150 (E	q) N	2	М	A: 10.2	Fair	C: Fair			C.2
Malus sylvestris					Е	2		R: 1.8		S: Fair	Tree is	located in the fence line.	10 to 20
					S	2				B: Poor			yrs
					W	2							
Т25													
Common Oak		11	1	1650	Ν	5	<	A: 707	Fair	C: Poor			C.1.2.3
Quercus robur					E	5	Veteran	R: 15		S: Poor	Tree a	ppears to be stressed and is retrenching, has apical	10 to 20
					S	7	ran			B: Poor	diebac	k, stags horns and advantageous growth.	yrs
					W	4						mendation to remove major dead wood to safe point,	
												move stubs leaving 1m stubs for correletic/habitat remove Elder at base.	
T26													
Common Oak		11	1	710	Ν	6	м	A: 228.1	Good	C: Good	Pemov	e :: Major dead wood	A.1.2
Quercus robur					Е	7		R: 8.52		S: Good	Keniov		>40 yrs
-					S	7				B: Good		located immediately to the south of the hedge line.	240 yis
					W	7						is some decay at its base, and scaring to an upper to the west, which has good reaction wood. Stubs	
												t and major dead wood.	
T27													
Common Ash		14	1	350	Ν	4	М	A: 55.4	Good	C: Fair			<b>B.1.2</b>
Fraxinus excelsior					Е	4		R: 4.19		S: Fair	Tree is	located outside the site boundary and is 3rd party	20 to 40
					S	4				B: Fair		, as such it was not possible to fully inspect. Presence	yrs
					W	4						se brambles meant it was not possible to fully assess.	
Age Classifications:	N	Newly plante	ad	EM Earl	y Mature		Condit	ion: C	Crown		Stems:	Ø Diameter	
Age classifications:	N Y	Young	eu	M Mat	-		Conult	S			Stems:	(Eq) Equivalent stem diameter using BS5837:2012 de	efinition
		Semi-mature	е	OM Ove				B		а	ERC:	Estimated Remaining Contribution	
Page 10	2							TreeN					31 May 2019
aue IU								Ireel	andoer				

Species       (n)       No       (n)       No       (n)       Species       (n)       Condition       Condition       Condition       Survey Comment       FRC         28	Tree and Tag No		Hght	!	Stems	_	rown		RP	Phys	Structural	Preliminary Recommendations	Cat
Vinite Poplar       20       1       450       N       5       M       A: 91.6       Good       C. Good       Tree is located between 2 No. finces - as such ownership is investigation.       10 to 20         Vision       Vision       5       5       5       5       5       5       10 to 20         Vision       Vision       5       5       5       5       5       10 to 20         Vision       5       5       5       5       5       5       10 to 20         Vision       5       5       5       5       5       5       10 to 20         Vision       5       6       R: 6.23       5       Fair       C: Good       7       7       10 to 20       10 to 20         Vision       6       1       500       N       5       M       A: 122.3       Fair       C: Good       7       7       10 to 20	Species			No	) Ø (mm)			r Age	A (m²) R (m)				
Populas allow       E       S       R: 5.39       S: Good B: Fair       The la located bowen 2 No. fonce:s action consumplies in 10 to 20 yrs       10 to 20 yrs         29	T28											Estimated Mea	surement
S       S       S       S       B: Fair       If the is focated between 2 for kenders are such ownership is more and prevents with a the part such ownership is more access and full inspection.       Yes         129       Versorre       12       1       520       N       5       M       A: 122.3       Fair       The is focated between 2 for, hences, are such ownership is more access and full inspection.       C.2         Versorre       12       1       520       N       5       M       A: 122.3       Fair       The is located between 2 for, hences, are such ownership is more access and full inspection.       20 to 40         Versorre       E       6       R: 6.3       Fair       The is located between 2 for, hences, are such ownership is more access and full inspection.       20 to 40         versorre       W       6       R: 6.5.3       Fair       The is located approximately 1.5m to the east of the boundary form. Base to 1.7m height has good nearbolic such and has regenerated.       20 to 40         versore       2       N       A: 4.55       Fair       S: Poor       The is located approximately 1.5m to the east of the poundary forme. Base to 1.7m height. There is nover and maintain.       21 to 40         131       17       1       550       N       8       M       A: 126.9       Fair       C: Fair       Fair       C.2 <td>White Poplar</td> <td></td> <td>20</td> <td>1</td> <td>450</td> <td>Ν</td> <td>5</td> <td>М</td> <td>A: 91.6</td> <td>Good</td> <td>C: Good</td> <td></td> <td>C.2</td>	White Poplar		20	1	450	Ν	5	М	A: 91.6	Good	C: Good		C.2
29     30     32     N     5     M     A: 12, 3     Feir     Feir     unknown. It is possible that these these are in 3d party in access and full inspection.     20       29     12     1     50     N     5     M     A: 12, 3     Feir     C: Good     C: 2       20     Symmone     12     1     50     N     5     M     A: 12, 3     Feir     C: Good     C: 2       30     W     6     N     6     N     A: 65, 3     Feir     C: Poor     The is located between 2 No. Arences, as such ownership, 5     Virs       30     Wernore     6     1     380     N     2     M     A: 65, 3     Feir     C: Poor     See Comment :: See	Populus alba					Е	5		R: 5.39		S: Good	Trac is located between 2 No. fances as such aurorship is	10 to 20
igenore       12       1       520       N       5       M       A: 122.3       Fair       C: Good       C: 2         idee pseudoplatanus       12       1       520       N       5       M       A: 122.3       Fair       C: Good       C: 2											B: Fair	unknown. It is possible that these trees are in 3rd party ownership. Dense understory present to the east prevents	
icer pseudoplatanus       E       6       R: 6.23       S: Fair       Tree is located between 2 No. fences, as such ownership is unknown. Cavity from base to 2 m height has good reaction wood, and is callusing. Wy present prevents a full inspection.       20 to 40         '30       W       6       1       380       N       2       M       A: 65.3       Fair       Tree is located between 2 No. fences, as such ownership is unknown. Cavity from base to 2 m height has good reaction wood, and is callusing. Wy present prevents a full inspection.       20 to 40         'ysamore       6       1       380       N       2       M       A: 65.3       Fair       See Comment :: See Comment :: See Comment :: See Comment :: See Comment at in height.       C         'Gommon Ash       -       -       N       8       M       A: 136.9       Fair       C: Fair       See Comment :: See Comment :: See Comment at in height.       C.2         '30       -       <	Т29												
30       Image is include between 2 Mo. Bricker, as submitting the segood reaction wood, and is calusing. Ivy present prevents a full inspection.       Vis         30       image is include between 2 Mo. Bricker, as submitting the segood reaction wood, and is calusing. Ivy present prevents a full inspection.       Vis         include prevention is a segmentation of the set of the prevention is a segmentation.       6       1       380       N       2       M       A: 65.3       Fair       C: Poor       See Comment :: See Comment       C         is a prevention in the intervention of the prevention is a segmentation in the intervention.       N       2       R: 4.55       Fair       C: Fair       See Comment :: See Comment       C         is a set of the prevention of the prevention is a segmentation in the intervention of the prevention is a segmentation in the segmentation.       N	Sycamore		12	1	520	Ν	5	М	A: 122.3	Fair	C: Good		C.2
30       30       W       6       1       380       N       2       M       A: 65.3       Fair       C: Poor       See Comment :: See Comment       C       C         Sycamore       6       1       380       N       2       R: 4.55       S: Poor       See Comment :: See Comment       C       C       C       C       Tree is located approximately 1.5m to the east of the boundary frace. Bark damage from base to 1.2m height. Tree appears to have been pollarded, and has regenerative. Neeshorgaph tested holes evident in stem at 1m height. Tree appears to have been pollarded, and has regenerative. Neeshorgaph tested holes evident in stem at 1m height. Tree appears to have been pollarded, and and maintain. Neeshorgaph tested holes evident in stem at 1m height. Tree appears to have been pollarded, and and maintain. Neeshorgaph tested holes evident in stem at 1m height. Tree appears to have been pollarded, and and maintain. Neeshorgaph tested holes evident in stem at 1m height. Tree appears to have been pollarded, and and maintain. Neeshorgaph tested holes evident in stem at 1m height. Tree appears to have been pollarded, and and maintain. Neeshorgaph tested holes evident in stem at 1m height. Tree is over extended brances. Large decay pockets 1m height to the west, good reaction wood at previous advood, subs an alleviate over extended brances. Large decay pockets 1m height to the west, good reaction wood at previous and wood, subs an alleviate over extended brances. Large decay pockets 1m height to the west, good reaction wood at previous advood, subs and alleviate over extended brances. Large decay pockets 1m height to the west, good reaction wood at previous advood, subs and alleviate over extended brances to the henone to t	Acer pseudoplatanus					Е	6		R: 6.23		S: Fair	Tree is located between 2 No. fences, as such ownership is	20 to 40
Sygamore       Sec Comment :: See Comment											B: Fair	unknown. Cavity from base to 2m height has good reaction	
Incomposed doplatanus       E       2       R: 4.55       S: Poor       S: Poor       S: Dece contract.       S: Poor       The is located approximately 1.5m to the east of the boundary fence. Bark damage from base to 1.2m height. Tree appears to have been pollarded, and has regenerated. Resistograph tested holes evident in the east.       <10 yrs	Т30												
Accor pseudoplatanus       E       2       R: 4.55       S: Poor       Tree is located approximately 1.5m to the east of the papers to have been pollarded, and have regenerated. Resistograph tested holes evident in stem at 1m height. Recommendation to monitor and maintain.        10 yrs         131       Image: Signaph tested holes evident in stem at 1m height. Second mendation to monitor and maintain.       Recommendation to monitor and maintain.       C.2         131       Image: Signaph tested holes evident in stem at 1m height. Second mendation to monitor and maintain.       Recommendation to monitor and maintain.       C.2         131       Image: Signaph tested holes evident in stem at 1m height. Second mendation to monitor and maintain.       Recommendation to monitor and maintain.       C.2         131       Image: Signaph tested holes evident in stem at 1m height. Second mendation to remove major deal wood, stubs and field to the past. Tree is over extended to the north. Recommendation to remove major deal wood, stubs and field/second reacting how of a stub second lipidation to remove major deal wood, stubs and field/second reacting how of a stub second lipidation to remove major deal wood, stubs and period lipidation begint. Resistograph tested holes evident in stem at 1m height. Second the past of the fence line, Has been pollarded in past to Sin height. Resistograph tested holes evident in stem at 1m height. Second the second the second the second lipidation and the second transcharted to the north. Recommendation to remove major deal wood, stubs and fip height. Resistograph tested holes evident in stem at 1m height. Second transcharter second transcharter second the second the second the second the heast of th	Sycamore		6	1	380	Ν	2	М	A: 65.3	Fair	C: Poor	See Comment :: See Comment	С
Since and the set of the set of the appears to have been pollarded, and has regenerated.       Note the set of the appears to have been pollarded, and has regenerated.       Neight Tree is located approximately 1.5m to the east of the appears to have been pollarded, and has regenerated.         Common Ash       17       1       550       N       8       M       A: 136.9       Fair       C: Fair       C: Fair       C.2         Common Ash       17       1       550       N       8       M       A: 136.9       Fair       C: Fair       Branches to this tree have failed in the past. Tree is over approximately 1.5m to the east of the past. Tree is over approximately 1.5m to the west, good reaction wood at present.       20 to 40         132       N       8       2       1003 (Eq) N       3       M       A: 455.6       Fair       C: Fair       C.2         132       8       2       1003 (Eq) N       3       M       A: 455.6       Fair       C: Fair       C.2         Sygamore       4ccr pseudoplatanus       3       M       A: 455.6       Fair       C: Fair       Tree is located approximately 1.5m to the east of the fence past of the set of the fence past of the fence past of the fence past of the free.       III. Has been pollarded in past to 5m height. Resistograph tested holes evident in stem at 1m height. Suckers present at base of this t	Acer pseudoplatanus					Е	2		R: 4.55		S: Poor		<10 vrs
Common Ash Fraxinus excelsior       17       1       550       N       8       M       A: 136.9       Fair       C: Fair B: Fair       Branches to this tree have failed in the past. Tree is over extended to the north. Recommendation to remove major dead wood, stubs and alleviate over extended branches. Large dead wood, stubs and alleviat											B: Poor	boundary fence. Bark damage from base to 1.2m height. Tree appears to have been pollarded, and has regenerated. Resistograph tested holes evident in stem at 1m height.	- , -
Fraxinus excelsion       E       9       R: 6.6       S: Fair       Branches to this tree have failed in the past. Tree is over extended branches. Large dead wood, stubs and alleviate over extended branches. Large dead wood, stubs and alleviate over extended branches. Large dead wood, stubs and alleviate over extended branches. Large dead wood, stubs and alleviate over extended branches. Large dead wood, stubs and alleviate over extended branches. Large dead wood, stubs and alleviate over extended branches. Large dead wood, stubs and alleviate over extended branches. Large dead wood, stubs and alleviate over extended branches. Large dead wood, stubs and alleviate over extended branches. Large dead wood, stubs and alleviate over extended branches. Large dead wood, stubs and alleviate over extended branches. Large dead wood, stubs and alleviate over extended branches. Large dead wood, stubs and alleviate over extended branches. Large decay pockets in height. to the west, good reaction wood at present.       20 to 40 yrs         132	T31												
S       6       B: Fair       B: Fair       branches to this tree have railed in the past. Tree is over move major       yrs         132       W       8       2       1003 (Eq) N       3       M A: 455.6       Fair       C: Fair       C.2         sycamore       8       2       1003 (Eq) N       3       M A: 455.6       Fair       C: Fair       C.2         Accer pseudoplatanus       8       2       1003 (Eq) N       3       R: 12.04       S: Poor       Tree is located approximately 1.5m to the east of the fence       10 to 20         W       3       W       3       Fair       S: Poor       Tree is located approximately 1.5m to the east of the fence       10 to 20         yrs       W       3       S       S: Poor       B: Fair       Tree is located approximately 1.5m to fully assess the base of this tree.       10 to 20       yrs         Age Classifications:       N       Newly planted       EM       Early Mature       Condition:       C       Crown       Stems:       Ø       Diameter       (Eq) Equivalent stem diameter using BS5837:2012 definition         M       Semi-mature       OM       Over Mature       B       Basal area       ERC:       Estimated Remaining Contribution	Common Ash		17	1	550	Ν	8	М	A: 136.9	Fair	C: Fair		C.2
S       6       B: Fair       B: Fair       extended to the north. Recommendation to remove major dead wood, stubs and alleviate over extended branches. Large decay pockets 1m height to the west, good reaction wood at present.       yrs         132       132       8       2       1003 (Eq) N       3       M A: 455.6       Fair       C: Fair       C.2         Sycamore       8       2       1003 (Eq) N       3       M A: 455.6       Fair       C: Fair       Tree is located approximately 1.5m to the east of the fence line. Has been pollarded in past to 5m height. Resistograph tested holes evident in stem at 1m height. Suckers present at base (Elder), as such it was not possible to fully assess the base of this tree.       10 to 20         Age Classifications:       N       Newly planted       EM       Early Mature       Condition:       C       Crown       Stems:       Ø       Diameter       (Eq) Equivalent stem diameter using BS5837:2012 definition         XM       Semi-mature       OM       Over Mature       B       Basal area       ERC:       Estimated Remaining Contribution	Fraxinus excelsior					Е	9		R: 6.6		S: Fair	Branches to this tree have failed in the past. Tree is over	20 to 40
132       Sycamore       8       2       1003 (Eq) N       3       M       A: 455.6       Fair       C: Fair       Tree is located approximately 1.5m to the east of the fence line. Has been pollarded in past to 5m height. Resistograph w       10 to 20 yrs         Acer pseudoplatanus       8       2       1003 (Eq) N       3       M       A: 455.6       Fair       C: Fair       Tree is located approximately 1.5m to the east of the fence line. Has been pollarded in past to 5m height. Resistograph tested holes evident in stem at 1m height. Suckers present at base (Elder), as such ti twas not possible to fully assess the base of this tree.       10 to 20 yrs         Age Classifications:       N       Newly planted Y       Em Early Mature M       Condition:       C       Crown       Stems:       Ø       Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition         SM       Semi-mature       OM       Over Mature       B       Basal area       ERC:       Estimated Remaining Contribution											B: Fair	extended to the north. Recommendation to remove major	yrs
Sycamore       8       2       1003 (Eq) N       3       M       A: 455.6       Fair       C: Fair       C: Fair       C: Tree is located approximately 1.5m to the east of the fence line. Has been pollarded in past to 5m height. Resistograph uses (Elder), as such it was not possible to fully assess the base of this tree.       10 to 20 yrs         Age Classifications:       N       Newly planted Y       Em       Early Mature M M Mature       C       Crown       S       Stems:       Ø       Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition         Age Classifications:       N       Newly planted Y       EM       Early Mature M M Mature       C       Crown       S       Stems:       Ø       Diameter (Eq) Equivalent stem diameter using BS5837:2012 definition         SM       Semi-mature       OM       Over Mature       B       Basal area       ERC:       Estimated Remaining Contribution						W	8					decay pockets 1m height to the west, good reaction wood at	
Acer pseudoplatanusE3R: 12.04S: Poor B: FairTree is located approximately 1.5m to the east of the fence line. Has been pollarded in past to 5m height. Resistograph tested holes evident in stem at 1m height. Suckers present at base (Elder), as such it was not possible to fully assess the base of this tree.10 to 20 yrsAge Classifications:NNewly planted YEmEarly Mature MCondition:CCrown SStems:ØDiameter (Eq)10 to 20 yrsMMatureSStemEmEarly Mature (Eq)Condition:CCrownStems:ØDiameter (Eq)Equivalent stem diameter using BS5837:2012 definitionMSemi-matureOMOver MatureBBasal areaERC:Estimated Remaining Contribution	Т32												
Age Classifications:NNewly plantedEMEarly MatureCondition:CCrownStems:ØDiameterAge Classifications:NNewly plantedEMEarly MatureCondition:CCrownStems:ØDiameterMYYoungMMatureSStem(Eq)Equivalent stem diameter using BS5837:2012 definitionMSemi-matureOMOver MatureBBasal areaERC:Estimated Remaining Contribution	Sycamore		8	2	1003 (E	q) N	3	М	A: 455.6	Fair	C: Fair		C.2
Age Classifications:NNewly plantedEMEarly MatureCondition:CCrownStems:ØDiameterYYoungMMatureSStem(Eq)Equivalent stem diameter using BS5837:2012 definitionSMSemi-matureOMOver MatureBBasal areaERC:Estimated Remaining Contribution	Acer pseudoplatanus					Е	3		R: 12.04		S: Poor	Tree is located approximately 1 5m to the east of the fence	10 to 20
Age Classifications:NNewly plantedEMEarly MatureCondition:CCrownStems:ØDiameterYYoungMMatureSStem(Eq)Equivalent stem diameter using BS5837:2012 definitionSMSemi-matureOMOver MatureBBasal areaERC:Estimated Remaining Contribution											B: Fair	line. Has been pollarded in past to 5m height. Resistograph	
Y       Young       M       Mature       S       Stem       (Eq) Equivalent stem diameter using BS5837:2012 definition         SM       Semi-mature       OM       Over Mature       B       Basal area       ERC:       Estimated Remaining Contribution						W	3					base (Elder), as such it was not possible to fully assess the	
SM Semi-mature OM Over Mature B Basal area ERC: Estimated Remaining Contribution	Age Classifications:			ed				Condit					
· · ·			-	A							2		nition
	Page 11	0101	Sem-matur	0		Mature					J	· · · · · · · · · · · · · · · · · · ·	

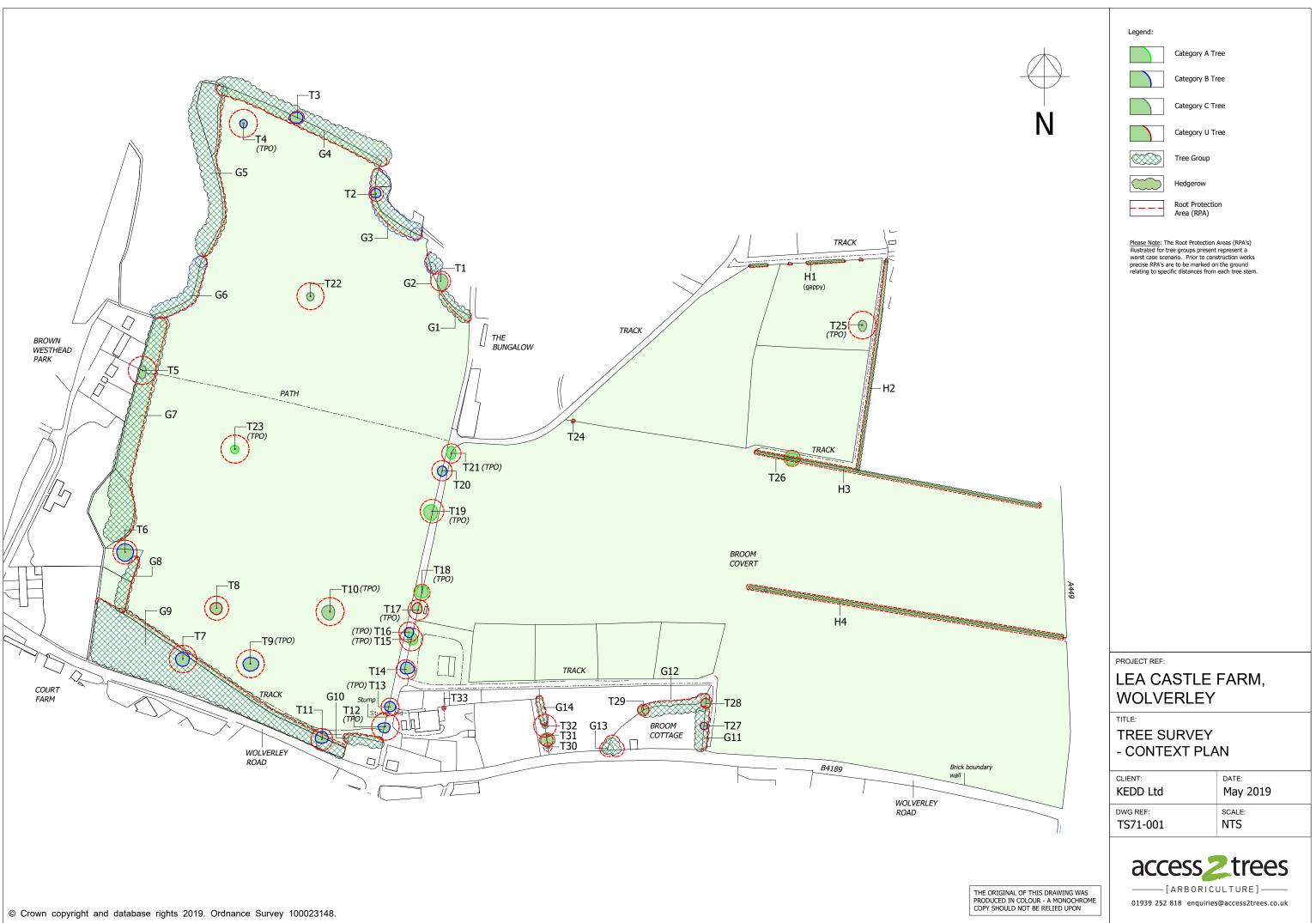
Tree and Tag No	Umbt	Stems		Crown			RP	Disco	Churchtung	Preliminary Recommendations	C-+
Species	Hght (m)	No	Ø (mm)	Sprea (m)	d Clear (m)	Age	A (m²) R (m)	Phys Condition	Structural Condition	Survey Comment	Cat ERC
Т33										Estimated M	easurements
Silver Birch	8	1	180	Ν	2	SM	A: 14.7	Fair	C: Good		C.2
Betula pendula				Е	2		R: 2.16		S: Good	Tree is located immediately adjacent to a breeze block wall,	<10 yrs
				S	2				B: Fair	likely to cause damage in future, there are currently large	,
				W	2					cracks in the wall. The tree is located relatively close to an agricultural builting as well.	

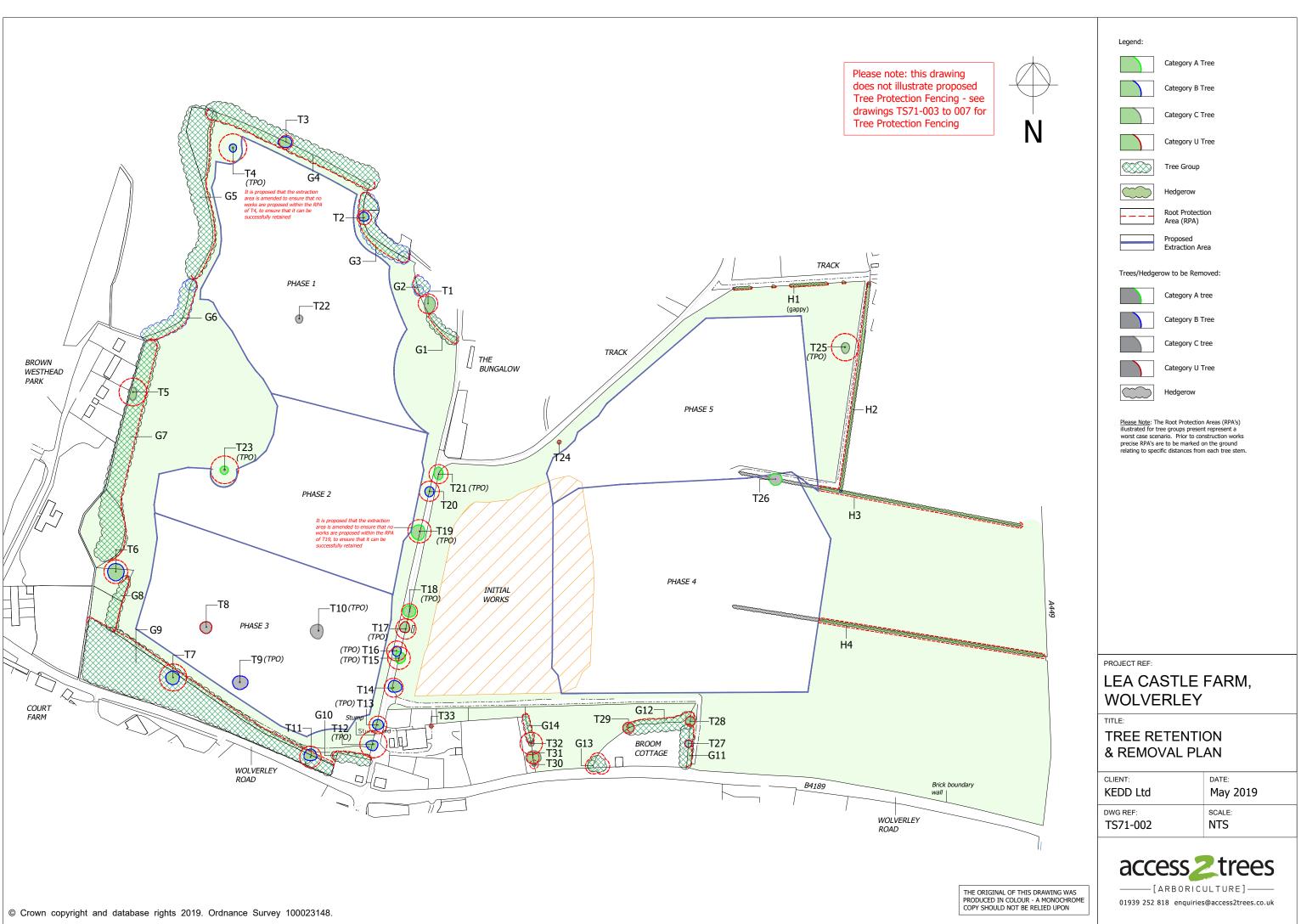
Age Classifications:	Ν	Newly planted	EM	Early Mature	Condition:	С	Crown	Stems:	Ø Diameter
	Y	Young	Μ	Mature		S	Stem		(Eq) Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature		В	Basal area	ERC:	Estimated Remaining Contribution

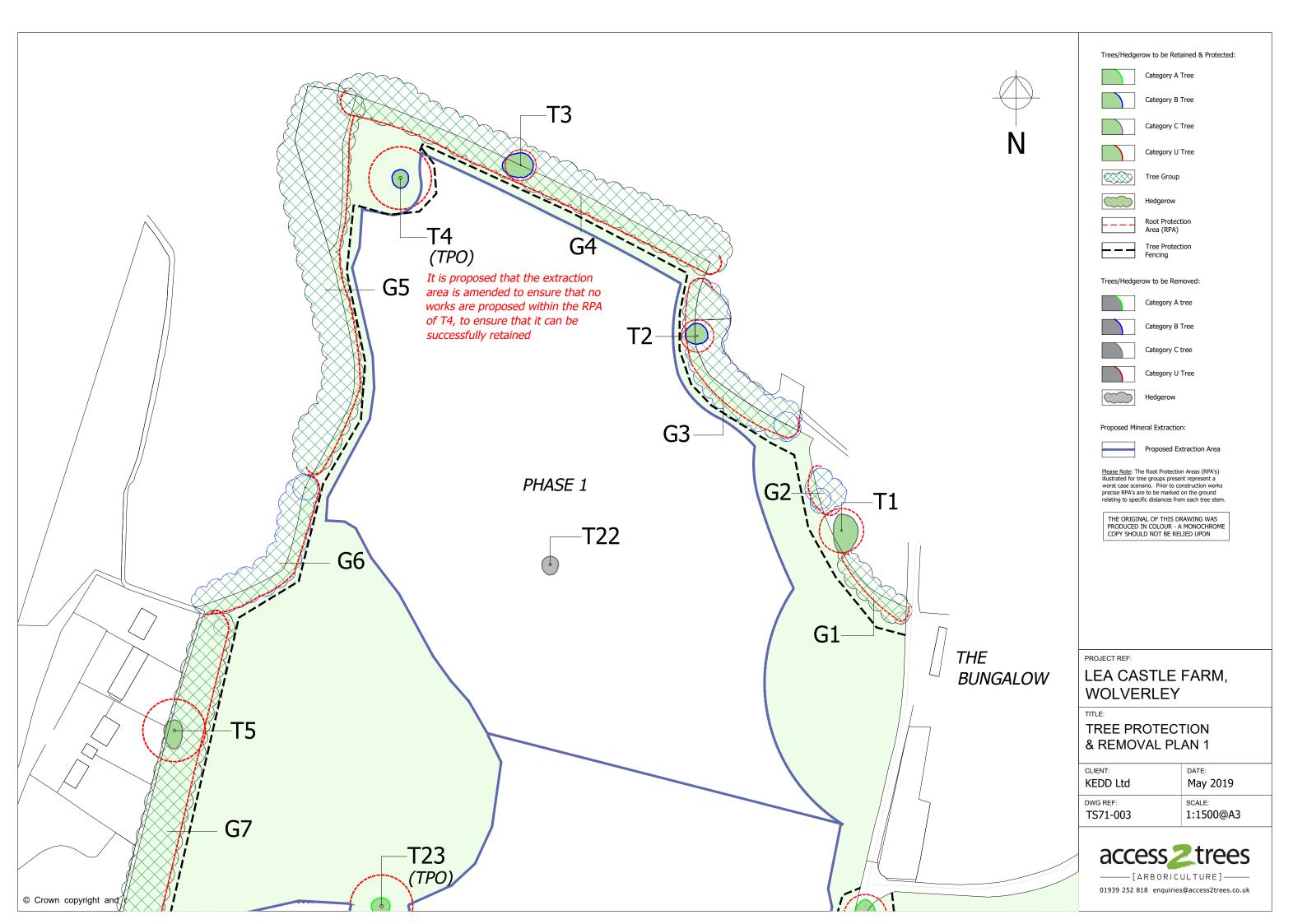


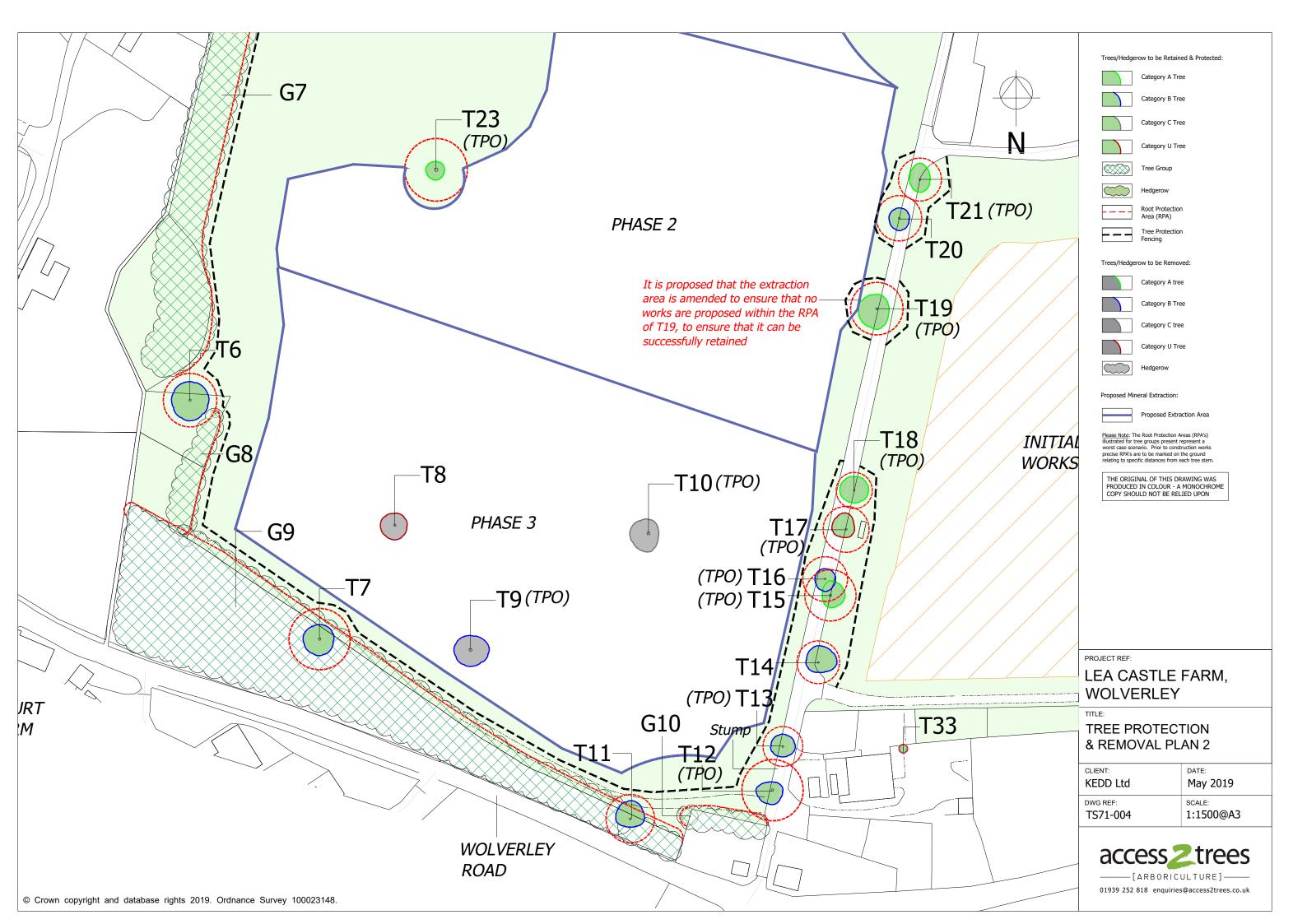
#### Drawings:

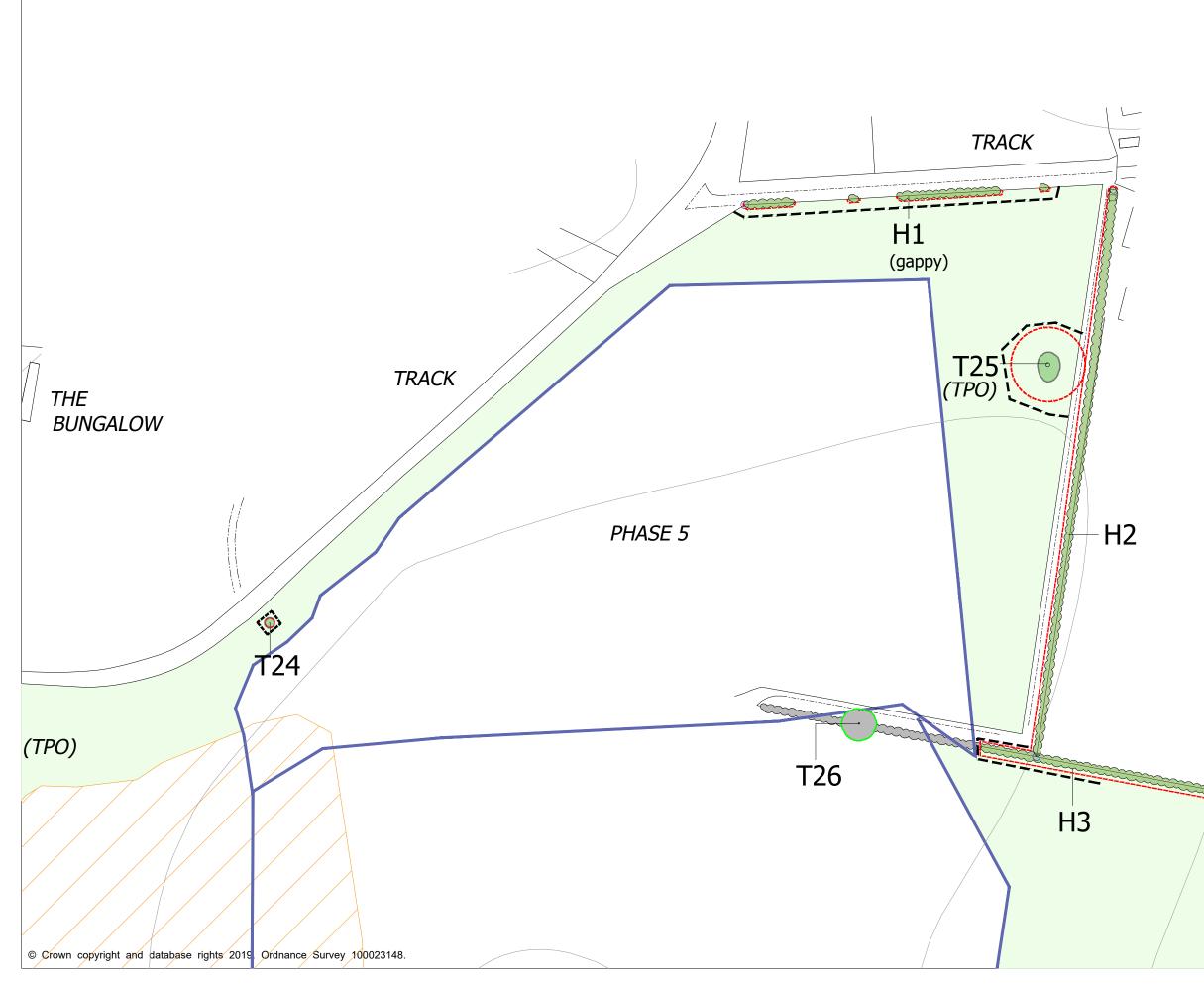
- Tree Survey Plan
- Tree Retention & Removal Plan
- Suite of Tree Protection & Removal Plans

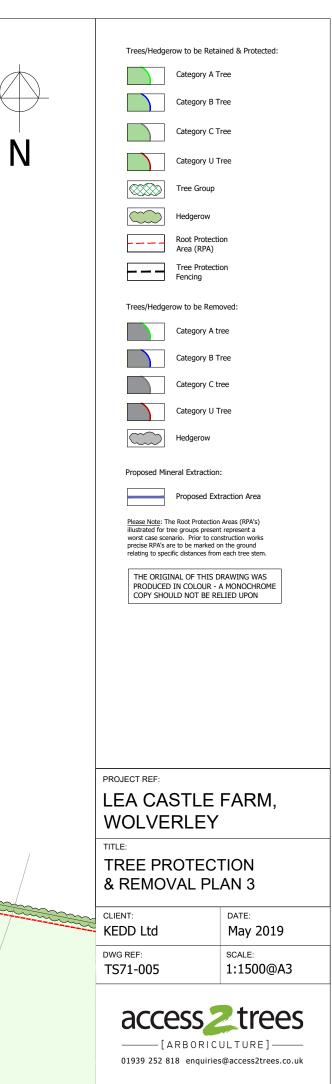


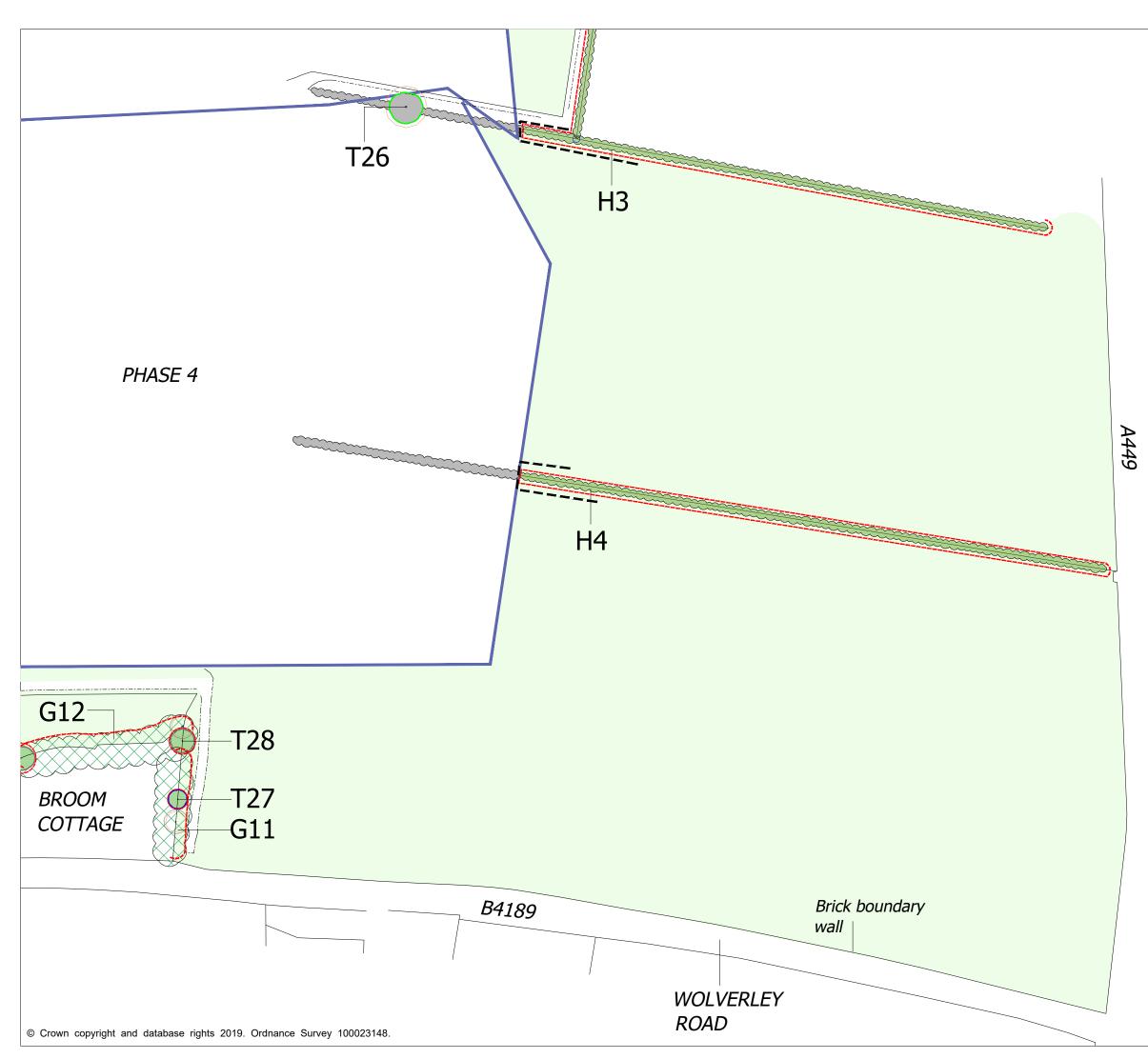






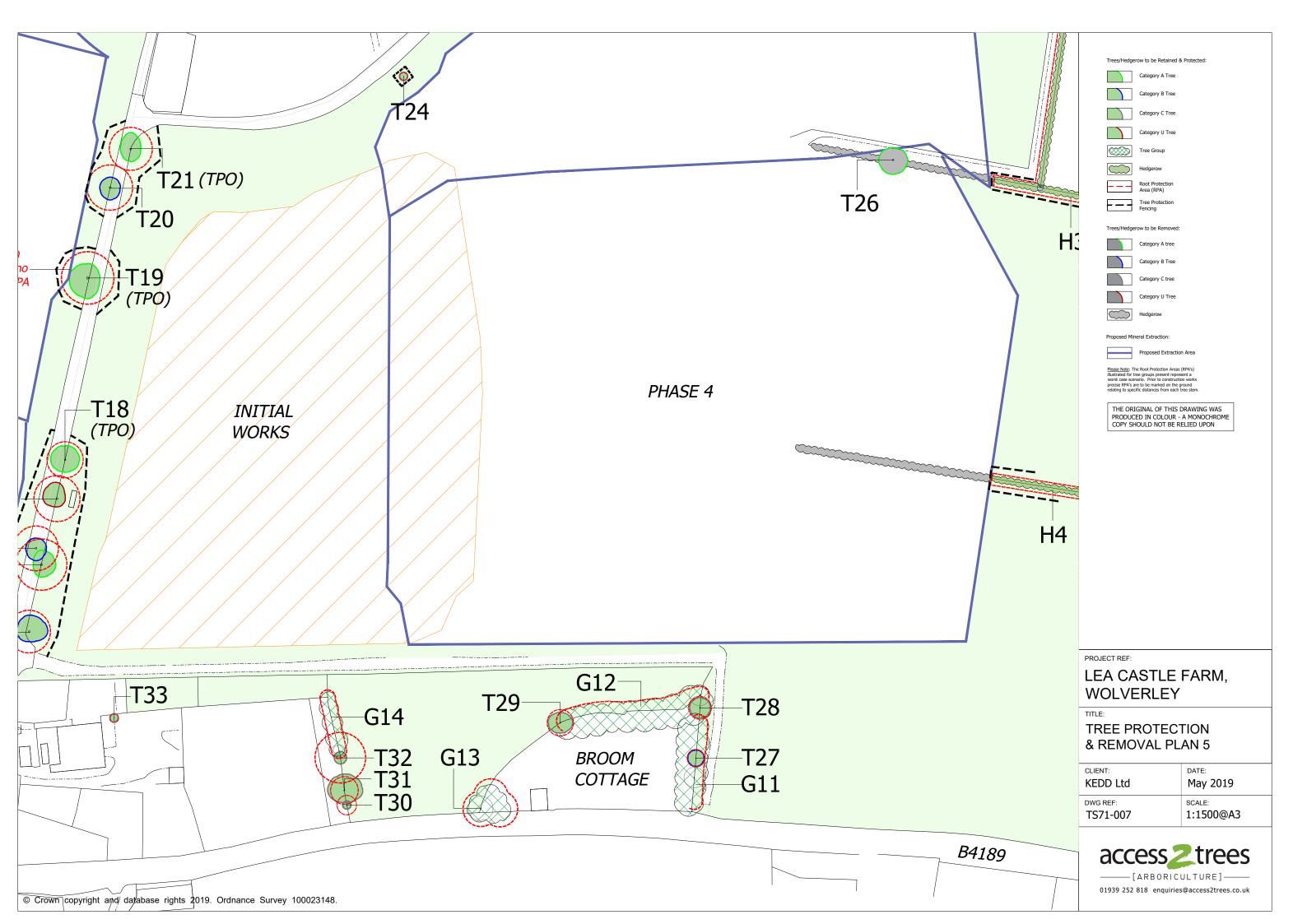






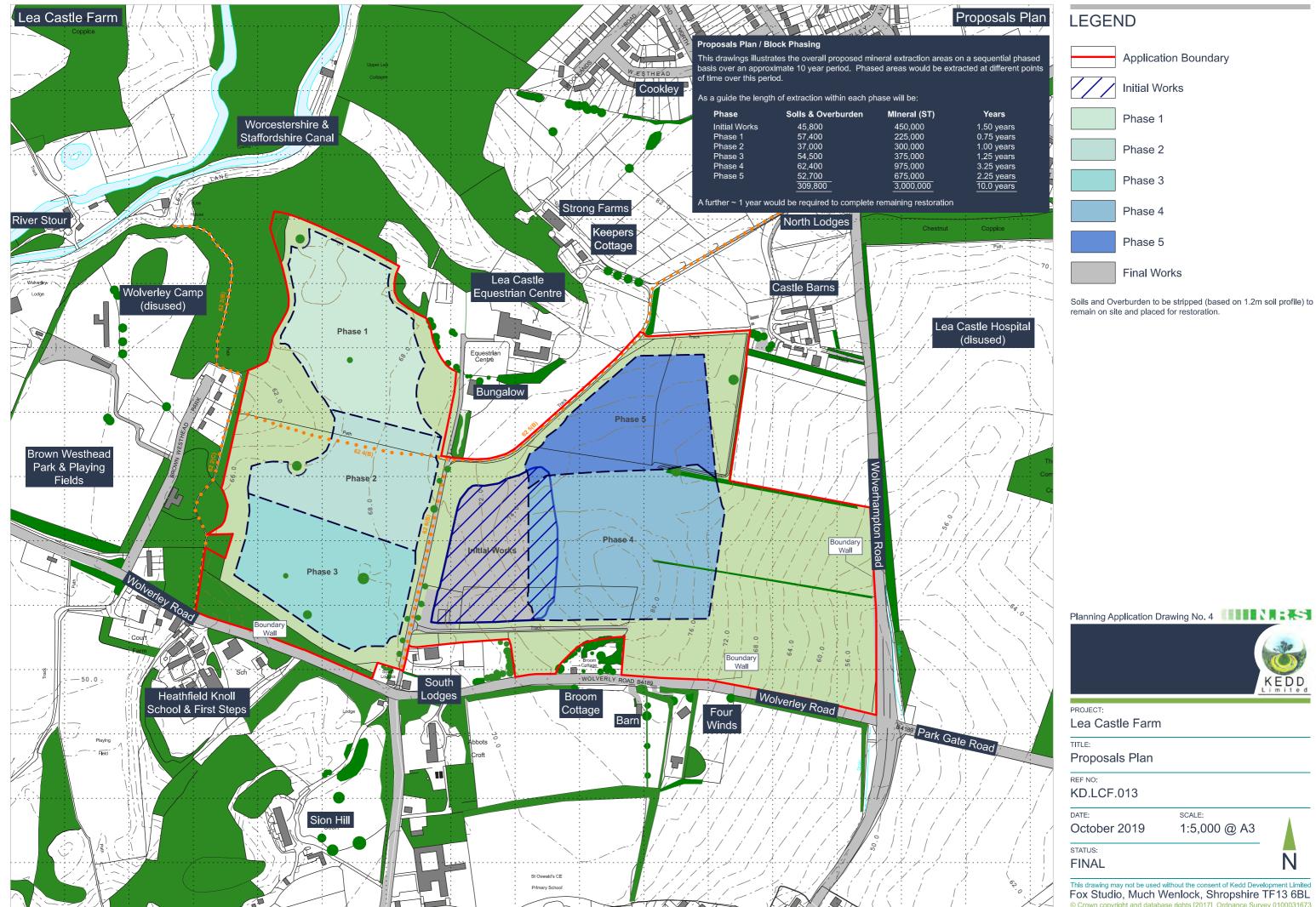


Trees/Hedgerow to be Retained & Protected:										
Category A Tree										
	Category B Tree									
	Category C Tree									
	Category U Tree									
	Tree Group									
	Hedgerow									
	Root Protection Area (RPA)									
	Tree Protection Fencing									
Trees/Hedge	Trees/Hedgerow to be Removed:									
Category A tree										
	Category B Tree									
	Category C tree									
	Category U Tree									
$\bigcirc$	Hedgerow									
Proposed Min	neral Extraction:									
	Proposed Extraction Area									
illustrated for tr worst case scer	ne Root Protection Areas (RPA's) ree groups present represent a nario. Prior to construction works									
precise RPA's a relating to spec	re to be marked on the ground ific distances from each tree stem.									
PRODUCE	GINAL OF THIS DRAWING WAS ED IN COLOUR - A MONOCHROME									
COPY SHOULD NOT BE RELIED UPON										
LEA CA	STLE FARM,									
LEA CA WOLVE										
LEA CA WOLVE	RLEY									
LEA CA WOLVE										
LEA CA WOLVE										
LEA CA WOLVE TITLE: TREE PR & REMOV	RLEY ROTECTION VAL PLAN 4									
LEA CA WOLVE TITLE: TREE PR & REMOV	RLEY ROTECTION VAL PLAN 4									
LEA CAS WOLVE TITLE: TREE PR & REMOV CLIENT: KEDD Ltd DWG REF: TS71-006	RLEY ROTECTION VAL PLAN 4 DATE: May 2019 SCALE: 1:1500@A3									
LEA CAS WOLVE TITLE: TREE PR & REMOV CLIENT: KEDD Ltd DWG REF: TS71-006	RLEY COTECTION VAL PLAN 4 DATE: May 2019 SCALE:									





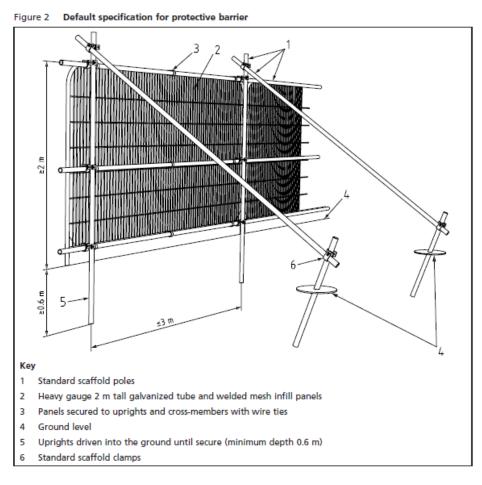
**Development Proposals** 



		<b>O</b>
	<u> </u>	imite
PROJECT: Lea Castle Farm		
TITLE: Proposals Plan		
REF NO: KD.LCF.013		
DATE:	SCALE:	
October 2019	1:5,000 @ A3	
STATUS:		
FINAL		N
	without the consent of Kedd Develo Venlock, Shropshire T	
	ase rights [2017] Ordnance Surve	



British Standard 5837:2012 Recommendations for Tree Protection Fencing



6.2.2.4 All-weather notices should be attached to the barrier with words such as: "CONSTRUCTION EXCLUSION ZONE – NO ACCESS".



British Standard Trees in Relation to Construction – Recommendations BS 5837:2012 Cascade chart for Tree Quality Tree Assessment



TREES FOR REMOVAL										
Category and Definition		Criteria								
<b>Category U</b> Those in such a condition that they cannot re retained as living trees in the context of the o use for longer than 10 years	s ealistically be o current land th p si - h d	Trees that have a serious, irremediable, stru uch that their early loss is expected due to ca cluding those that will become unviable afte ther U Category trees (i.e. where, for whatev he loss of companion shelter cannot be mitig runing) - Trees that are dead or are showing sign ignificant, immediate, and irreversible overal Trees infected with pathogens of significanc ealth and/or safety of other trees nearby) e.g isease), or very low quality trees suppressing ees of better quality.								
TREES TO BE CONSIDERED FOR	RETENTION									
Catergory & Definition1. MaCategory ATrees of high quality: with anestimated remaining life expectancy of at least 40 years	inly arboricultural values Trees that are particularly good examples of their species especially if rare or unusual, or essential components of groups, or of formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	2. Mainly Landscape values 3. Cult 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-pastures)							
Category B Those of moderate quality: 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 remediable 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 necessary 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 visual contribution to the wider area	Trees with clearly identifiable conservation or other cultural benefits							
Category C Those of low quality 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 the higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater landscape value, and/or trees offering low or only temporary screening benefit.	Trees with no material conservation or other cultural value							



End of report