Arboricultural Appraisal

Land off Tuttles Lane, Wymondham

OAKFIELD
ARBORICULTURAL SERVICES

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OAS/17-221/AR01
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Contents

Section 1 : Introduction

1.1 Oakfield Arboricultural Services Ltd were instructed by Bidwells on behalf of Welbeck Strategic Land III Ltd to undertake an arboricultural appraisal on the site known as Land off Tuttles lane in Wymondham.

1.2 The aim is to collect data with regards to arboricultural constraints that may exist on the site with regards to a proposed future development of the site.

1.3 Where appropriate recommendations for tree works or removals will be made in order to facilitate the proposed redevelopment or to improve the overall condition of trees and abide by any legal ' Duty of Care' obligations that may exist.

Tree Survey

1.4 The survey was carried out in January 2018 in fair weather conditions and was carried out in accordance with BS 5837: 2012 'Trees in Relation to Design, Demolition and Construction – Recommendations'

1.5 In accordance with the BS:5837 recommendations, the survey will include all trees within the site that are 75mm in diameter at 1.5m, the survey may also include trees adjacent to the site up to a distance of 15m from the site boundary that may be affected by the proposed development. Trees may be represented individually or as part of larger groups and will be clearly marked on any provided plans.

1.6 The survey will include the following data:

- Tree/ Group number
- Species
- Height
- Branch spread in meters at the four cardinal points (individual trees only)
- Crown clearance in meters
- Diameter at 1.5m in mm
- Age class
- General condition
- Comments on structural condition
- Estimated remaining contribution in years
- Category
- Sub category
- Work recommendations

Further clarification is given within the survey explanatory notes in Appendix 1

Tree Categorisation

1.7 The purpose of the tree categorisation method is to help identify the overall quality and value, in a non-fiscal sense, of the existing trees stock so as to allow an informed decision to be made concerning which trees should either be retained or removed in the context of the proposed development. To qualify a tree must fall into one of the four categories A, B, C and U. Categories A, B and C are trees ranging from high to low quality with category U being trees of poor overall value. Further sub categories reflect arboricultural, 1, landscape, 2, or cultural values, 3; all carry the same weight and a tree can have more than one criterion.

- Category A - Trees of high quality and value that they are considered particularly good examples of their species and or essential components of groups such as dominant trees within avenues. Trees will have a minimum of 40 years life expectancy.

- Category B - Trees of moderate quality that may have been category A but have been downgraded due to impaired features such as significant remedial defects or poor past management that make their retention unsuitable beyond 40 years. Trees will have a minimum of 20 years life expectancy

- Category C - Trees of low quality that are unremarkable and have limited merit or such impaired condition they do not qualify for higher categories. Tree will have minimum of 10 years life expectancy

- Category U - Trees of poor quality and are in such condition they have less than 10 years useful life expectancy. Trees in this category are generally recommended for removal regardless of any proposals.

Preliminary Management Recommendations

1.8 Any recommendations made for management of the trees are preliminary only and are not to be considered a detailed work specification, this is of particular note if tree works must be applied for via the relevant local council due to presence of tree preservation orders or by location are within a conservation area.

1.9 All work recommendations recommended are done so on the basis they are carried out by qualified contractors and will be carried out in accordance as per the recommendation set out in BS:3998 'Recommendations for Tree Works'.

Limitations

1.10 This is a preliminary assessment from ground level and observations have been made solely from a visual perspective for the purposes of assessment in terms relevant to planning and development. No invasive or other detailed internal decay detection devices have been used in assessing internal conditions.

1.11 Any conclusions relate to conditions found at the time of inspection. Any significant alteration to the site that may affect the trees that are present or have a bearing on planning implications (including level changes, hydrological changes, extreme

climatic events or other site works) will necessitate a re-assessment of the trees and the site and render any previous advice/ findings invalid.

1.12 It must be noted this is not a health and safety risk assessment and should not be viewed as such. The survey carried out will assess general health however it may not have been appropriate or possible to view all parts of the tree so as to fulfil the criterion of a health and safety risk assessment.

1.13 This is an arboricultural report and no such reliance must be given to comments relating to buildings, engineering, soil or ecological issues and in particular this is not a survey to comment of the effects of trees with regards to subsidence or heave.

1.14 All measurements are metric and approximate.

1.15 Any lack of comments regarding recommended work does not imply that tree poses no level of risk and similarly it should not be implied that a tree will present an acceptable level of risk if any such recommended works are carried out. Trees are living things and exposed to extreme forces and other fungal or bacteria attack that are not necessarily visible to the naked eye and as such no tree should ever be viewed as safe. It is recommended that trees by regularly surveyed to ensure that any risk is limited as much as is practically possible.

Section 2 : Survey Findings

Site description

2.1 The site is a large area of agricultural land located mainly to the north of Tuttles Lane with an area also included to the west of Melton Road close to the junction of Tuttles Lane. The site is characterised by agricultural land mainly arable in nature and as such has little construction. The land is a mix of arable fields with field boundary vegetation and farm tracks with drainage ditches and the occasional pond.

2.2 Located to the northern fringe of Wymondham the site is bounded by residential dwellings to the south beyond Tuttles Lane with a few moor rural type properties located on eastern and northern boundaries. Wymondham Garden centre is found on the southern boundary along with other commercial sites and Wymondham Rugby Club[1] to the southern and eastern boundaries. Further new development can also be found to the east of the site accesses via the B1172.

[1] Wymondham Rugby Club has gained recent planning permission for a residential development.

Tree Preservation Orders

2.3 A desk top search on My South Norfolk shows there are no tree protection orders (TPO's) that exist on or adjacent to the site.

2.4 My South Norfolk also shows the site does not sit within a conservation area.

Species Composition

2.5 The species on and adjacent to the site were dominated by Oak, Ash and Sycamore a full list of species found within the site are as follows:

- Oak - *Quercus sp.*
- Ash - *Fraxinus excelsior*
- Sycamore - Acer psuedoplatanus
- Field Maple - *Acer campestre*
- Hawthorn - *Crataegus monogyna*
- Poplar - *Populus sp*
- Hazel - *Corylus avellana*
- Blackthorn - *Prunus spinosa.*
- Elm- *Ulmus sp.*
- Walnut - *Juglans regia*
- Willow - *Salix sp*
- Pine - *Pinus sp.*
- Cherry - *Prunus sp.*
- Horse Chestnut - Aesculus hippocastanum
- Beech - *Fagus sylvatica*
- Lawson Cypress - *Chamaecyparis sp.*

Tree Discussion

2.6 The surveyed vegetation was in general of native species and for the most part confined to field and land boundaries. Overall the sites vegetation was typical in its agricultural makeup with large individual specimen trees within hedgerows or taller lapsed hedgerows.

2.7 Overall condition of trees is generally fair although a few trees are in decline but given their low risk and low target area works would not be deemed essential at this

time. The trees are not under any active management and as such have unlikely undergone any remedial works unless required.

2.8 There are a significant number of Ash and the current outbreak of Ash dieback - *Hymenoscyphus fraxineus* is likely present within individual trees or within the area. Although current Forestry Commission advice is to not clear fell Ash, as yet, the reality is that on the continent 90% of the Ash population is now infected or lost in some areas and it is fair to assume that the UK will likely suffer the same fate and it is only a matter of time until Ash show significant signs of decline. However at this stage trees will be retained and should be monitored in case they show signs of resistance.

Age Class

2.9 The sites vegetation is predominantly mature in age with some semi mature possibly self set trees in areas that are not cultivated.

Category Grading

2.10 Of the vegetation recorded within the site there is a percentage split between the following categories

- Category B 57% - 49 individuals or groups - retention highly desirable
- Category C 42% - 37 individuals or groups - retention desirable
- Category U 1% - 1 individual - remove on arboricultural grounds

Section 3: Preliminary Work Recommendations

Management Recommendations

3.1 Given the agricultural nature of the site the surveyed trees are not under any active management. At this time there is no urgent need to undertake any specific management requirements and the trees are best left as existing providing the ecological and landscape benefits.

3.2 Once any development moves forward and the site becomes more used via construction and any open space allocation close to retained trees a need for a more pro-active management regime will likely be required. This would include such works as removal of dead, dying, damaged trees and or branches and other remedial works such as crown lifting so as to ensure health and safety obligations. This may also include management of areas of woodland that may be opened up to the public as useable open space.

Section 4 : Development Implications

Proposal

3.3 A fixed development layout is not available as yet and therefore cannot be assessed as part of this report and should not therefore be viewed as a full implications assessment (AIA) ; however the following observations can be made:

- Due to the location of the vegetation to field boundaries and the large areas of developable space within the site most trees can realistically be retained within any development so as to retain the existing landscape and give some maturity to any new development.
- Use of wooded areas would required further surveys and management plans so as to aid their healthy retention and comply with Occupiers Liability with regards to the safety of others
- Area of shade may affect proposed layout design in particular to the following locations; North of W1, East of W2, North of T18- T23. It should be noted that the represented shade arc on the constraints plan acts as a guidelines as to general shade patterns, these are best avoided with regards to the siting of dwellings.

3.4 Overall the tree constraints within the red line boundary are considered low due to their locations. In fact most vegetation should be deemed as an asset to the site as they will screen any development somewhat to the wider landscape, this is of particular relevance to the northern boundaries of the site.

Recommendations

3.6 If or when the site is put forward for development further survey works would be required including the need for further reports and plans to be submitted for any type of planning application this would include implications assessments, method statements and tree protection plans.

Appendix 1 Tree Survey Schedule

			Canopy Spread														
Tree Ref. No.	Species (Common Name)	Height (m)	N	E	S	W	Grnd Clrnc	DBH (mm)	RPR (cm)	RPA (m)	Age class	Gen Cond	Structural Defects/Comments	Estimated remaining contribution (BS 5837)	BS Cat	BS Sub Cat	Prelim Tree Work Recommendations
T1	Oak	17	7	9	10	9	3	900	1080	366.25	MA	F	Normal form and condition. Ivy to stem	40+	B	1, 2	
T2	Oak	17	8	11	7	11	2	1000	1200	452.16	MA	F	Normal form and condition. Ivy to stem	40+	B	1, 2	
T3	Oak	6	3	6	2	0	2	400	480	72.35	MA	F	Poor form with extensive deadwood	10+	C	1	
T4	Ash	13	6	4	3	5	2	400	480	72.35	MA	F	Poor form. Ivy to stem	10+	C	1	Monitor for Ash dieback
T5	Oak	17	7	6	8	6	2	500	600	113.04	MA	F	Normal form and condition.	40+	B	1, 2	
T6	Ash	15	6	10	5	9	2	500	600	113.04	MA	F	Normal form and condition.	10+	C	2	Monitor for Ash dieback
T7	Field Maple	10	3	3	2	2	1	300	360	40.69	MA	F	Normal form and condition.	40+	B	1	
T8	Oak	9	5	4	3	4	1	750	900	254.34	MA	F	Ivy to stem. Normal condition	20+	B	1	

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Tree Ref. No.	Species (Common Name)	Height (m)	N	E	S	W	Grnd Clrnc	DBH (mm)	RPR (cm)	RPA (m)	Age class	Gen Cond	Structural Defects/Comments	Estimated remaining contribution (BS 5837)	BS Cat	BS Sub Cat	Prelim Tree Work Recommendations
T9	Field Maple	14	9	5	9	6	2	1000	1200	452.16	MA	F	Old hedgerow tree now lapsed	20+	B	1, 3	
T10	Ash	10	4	4	4	3	1	350	420	55.39	MA	F	Poor form. Offsite	10+	C	1	Monitor for Ash dieback
T11	Willow	14	8	7	6	5	1	700	840	221.56	MA	F	Offsite	20+	C	1	
T12	Oak	18	11	8	10	6	3	900	1080	366.25	MA	F	Normal form and condition. Ivy to stem	40+	B	1, 2	
T13	Oak	24	7	13	10	10	2	1200	1440	651.11	MA	F	No access to tree. Appears of normal form and condition	40+	B	1, 2	
T14	Sycamore	18	2	3	2	3	1	300	360	40.69	MA	F	No overall significance	20+	C	1	
T15	Oak	15	7	6	7	5	2	500	600	113.04	MA	F	Normal form and condition. Ivy to stem	40+	B	1, 2	
T16	Oak	16	6	10	6	7	2	750	900	254.34	MA	F	Normal form and condition. Ivy to stem	40+	B	1, 2	
T17	Oak	18	9	10	8	9	3	650	780	191.04	MA	F	Normal form and condition.	40+	B	1, 2	

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Tree Ref. No.	Species (Common Name)	Height (m)	N	E	S	W	Grnd Clrnc	DBH (mm)	RPR (cm)	RPA (m)	Age class	Gen Cond	Structural Defects/Comments	Estimated remaining contribution (BS 5837)	BS Cat	BS Sub Cat	Prelim Tree Work Recommendations
T18	Oak	17	7	10	5	8	3	540	648	131.85	MA	F	Bifurcated @ 3m with tight union. Fair condition	20+	B	2	
T19	Oak	20	7	5	6	10	4	500	600	113.04	MA	F	Normal form and condition.	40+	B	1, 2	
T20	Ash	20	8	3	4	4	5	600	720	162.78	MA	F	3 x stems. Poor condition with ivy to stem	10+	C	1	Monitor for Ash dieback
T21	Ash	24	5	5	5	3	4	700	840	221.56	MA	F	Poor condition with ivy to stem	10+	C	1	Monitor for Ash dieback
T22	Sycamore	15	5	6	5	4	0	700	840	221.56	MA	F	Multi-stemmed. Ivy to stems. No overall significance	20+	C	1	
T23	Hawthorn	6	5	3	2	2	0	400	480	72.35	MA	F	Heavy ivy	10+	C	1	
T24	Ash	18	4	5	7	7	3	750	900	254.34	MA	F	Multi-stemmed. Ivy to stems. No overall significance	10+	C	1	Monitor for Ash dieback
T25	Sycamore	10	3	3	3	3	0	300	360	40.69	MA	F	No overall significance	20+	C	1	
T26	Oak	10	5	5	4	4	3	350	420	55.39	MA	F	Semi mature with good potential	40+	B	1	

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Tree Ref. No.	Species (Common Name)	Height (m)	N	E	S	W	Grnd Clrnc	DBH (mm)	RPR (cm)	RPA (m)	Age class	Gen Cond	Structural Defects/Comments	Estimated remaining contribution (BS 5837)	BS Cat	BS Sub Cat	Prelim Tree Work Recommendations
T27	Sycamore	16	7	6	6	5	3	700	840	221.56	MA	F	Normal form and condition.	20+	B	1, 2	
T28	Horse Chestnut	7	3	3	3	2	0	350	420	55.39	MA	F	Of squat form	10+	C	1	
T29	Oak	15	8	7	7	6	3	580	696	152.11	MA	F	Normal form and condition. Ivy to stem	40+	B	1, 2	
T30	Sycamore	13	6	5	4	4	0	500	600	113.04	MA	F	Normal form and condition.	20+	B	1, 2	
T31	Sycamore	15	5	3	4	4	0	600	720	162.78	MA	F	Power lines to NE. Fair condition	20+	C	1	
T32	Sycamore	14	5	4	4	4	0	650	780	191.04	MA	F	Normal form and condition.	20+	B	1, 2	
T33	Sycamore	13	8	5	4	6	0	650	780	191.04	MA	F	Normal form and condition.	20+	B	1, 2	
T34	Sycamore	11	4	3	5	3	0	600	720	162.78	MA	F	Poor condition with ivy to stem	10+	C	1	
T35	Ash	15	4	4	4	4	0	600	720	162.78	MA	F	Poor condition	10+	C	1	Monitor for Ash dieback

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Tree Ref. No.	Species (Common Name)	Height (m)	N	E	S	W	Grnd Clrnc	DBH (mm)	RPR (cm)	RPA (m)	Age class	Gen Cond	Structural Defects/Comments	Estimated remaining contribution (BS 5837)	BS Cat	BS Sub Cat	Prelim Tree Work Recommendations
T36	Sycamore	16	4	5	4	4	0	400	480	72.35	MA	F	Normal form and condition.	20+	B	1, 2	
T37	Oak	13	9	5	7	7	2	750	900	254.34	MA	F	Topped in past	20+	B	2	
T38	Ash	15	7	4	6	7	0	800	960	289.38	MA	F	Multi-stemmed. Ivy to stems. No overall significance	10+	C	1	Monitor for Ash dieback
T39	Oak	13	4	4	4	4	1	750	900	254.34	MA	F	95% dead	<10	U	1	
T40	Oak	16	10	7	5	11	2	750	900	254.34	MA	F	Normal form and condition	40+	B	2	
T41	Poplar	25	8	7	9	6	3	800	960	289.38	MA	F	Normal form and condition. Mature for species	10+	C	2	
T42	Poplar	25	14	6	8	8	3	900	1080	366.25	MA	F	Normal form and condition. Mature for species	10+	C	2	
T43	Ash	12	4	6	4	4	1	550	660	136.78	MA	F	Poor condition. Ivy to stem	10+	C	1	Monitor for Ash dieback
T44	Ash	13	6	6	4	5	3	600	720	162.78	MA	F	Poor condition. Ivy to stem	10+	C	1	Monitor for Ash dieback

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Tree Ref. No.	Species (Common Name)	Height (m)	N	E	S	W	Grnd Clrnc	DBH (mm)	RPR (cm)	RPA (m)	Age class	Gen Cond	Structural Defects/Comments	Estimated remaining contribution (BS 5837)	BS Cat	BS Sub Cat	Prelim Tree Work Recommendations
T45	Poplar	15	3	3	3	3	1	450	540	91.56	MA	F	No overall significance	20+	C	1	
T46	Walnut	11	6	6	7	8	2	800	960	289.38	MA	F	Offsite	20+	B	1	
T47	Oak	17	7	7	8	6	2	750	900	254.34	MA	F	Normal form and condition. Offsite	40+	B	1, 2	
T48	Oak	8	4	3	4	2	0	400	480	72.35	MA	F	Poor form. Ivy to stem	20+	C	1	
T49	Oak	9	4	4	4	5	0	450	540	91.56	MA	F	Adjacent to highway	20+	C	2	
T50	Oak	18	5	11	8	8	3	800	960	289.38	MA	F	Ivy to stem. Poor form	40+	B	2	
T51	Oak	12	3	4	3	3	2	300	360	40.69	MA	F	Normal form and condition	40+	B	2	
T52	Oak	12	4	3	4	4	3	300	360	40.69	MA	F	Normal form and condition	40+	B	2	
T53	Oak	7	2	3	2	2	2	200	240	18.09	MA	F	Normal form and condition. Good potential	40+	B	1	

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Tree Ref. No.	Species (Common Name)	Height (m)	N	E	S	W	Grnd Clrnc	DBH (mm)	RPR (cm)	RPA (m)	Age class	Gen Cond	Structural Defects/Comments	Estimated remaining contribution (BS 5837)	BS Cat	BS Sub Cat	Prelim Tree Work Recommendations
T54	Oak	12	4	5	4	4	3	633	760	181.18	MA	F	Normal form and condition	40+	B	2	
T55	Field Maple	11	2	3	3	2	1	300	360	40.69	MA	F	Poor form . Ivy to stem	20+	C	1	
T56	Oak	10	3	3	4	4	2	300	360	40.69	MA	F	Wound to main stem, good occlusion process	20+	B	2	
T57	Field Maple	8	3	3	3	3	2	250	300	28.26	MA	F	Normal form and condition	40+	B	2	
T58	Hawthorne	4	2	2	2	2	2	250	300	28.26	MA	F	No significance	20+	C	2	
T59	Sycamore	8	3	3	3	3	2	300	360	40.69	MA	F	Poor form	10+	C	2	
T60	Ash	9	4	4	4	4	1	300	360	40.69	MA	F	No overall significance	10+	C	1	Monitor for Ash dieback
T61	Oak	18	6	6	7	6	1	900	1080	366.25	MA	F	Normal form and condition	40+	B	1, 2	
T62	Oak	16	7	7	6	6	3	500	600	113.04	MA	F	Normal form and condition	40+	B	1, 2	

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Tree Ref. No.	Species (Common Name)	Height (m)	N	E	S	W	Grnd Clrnc	DBH (mm)	RPR (cm)	RPA (m)	Age class	Gen Cond	Structural Defects/Comments	Estimated remaining contribution (BS 5837)	BS Cat	BS Sub Cat	Prelim Tree Work Recommendations
T63	Oak	12	4	4	4	4	3	450	540	91.56	MA	F	Normal form and condition	40+	B	1, 2	
T64	Oak	14	5	4	5	5	3	900	1080	366.25	MA	F	Normal form and condition	40+	B	1, 2	
T65	Oak	11	4	4	4	4	2	900	1080	366.25	MA	F	In decline	10+	C	1	
W1	Pine, Oak, Polar. Hawthorn, Hazel	20	As on plan				0	800	960	289.38	MA	F	Area of mixed planted woodland. Good overall landscape value.	40+	B	1, 2	Tree would require individually surveying for health and safety
W2	Ash, Sycamore, Hazel, Hawthorn	20	As on plan				0	700	840	221.56	MA	F	Area of mixed woodland. Predominantly Ash	20+	B	2	Monitor for Ash dieback
W3	Oak, Ash Poplar	20	As on plan				0	600	720	162.78	MA	F	Area of woodland	20+	B	2	
G1	Ash, Hawthorn, Oak, Field Maple	15	As on plan				0	500	600	113.04	MA	F	Small group of unmanaged trees to pond	20+	B	2	Monitor for Ash dieback
G2	Ash, Hawthorn, Field Maple, Sycamore, Hazel	15	As on plan				0	400	480	72.35	MA	F	Group to track SE of site. Possibly offsite	20+	B	2	Monitor for Ash dieback

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Tree Ref. No.	Species (Common Name)	Height (m)	N	E	S	W	Grnd Clrnc	DBH (mm)	RPR (cm)	RPA (m)	Age class	Gen Cond	Structural Defects/Comments	Estimated remaining contribution (BS 5837)	BS Cat	BS Sub Cat	Prelim Tree Work Recommendations
G3	Hawthorn, Ash, Field Maple, Cherry, Sycamore	18	As on plan				0	350	420	53.39	MA	F	Offsite group	20+	B	2	Monitor for Ash dieback
G4	Ash	20	As on plan				0	500	600	113.04	MA	F	Group of 3 Ash	10+	C	1	Monitor for Ash dieback
G4a	Hawthorn, Ash, Sycamore	16	As on plan				0	350	420	53.39	MA	F	Field boundary group. Good landscape value	20+	B	2	Monitor for Ash dieback
G5	Beech, Sycamore	12	As on plan				0	200	240	18.09	MA	F	Offsite group to rugby club grounds	20+	B	2	
G6	Sycamore	13	As on plan				1	400	0.1	0.00	MA	F	Group of multi-stemmed coppiced effect stems	20+	B	2	
G7	Ash, Hawthorn, Hazel, Field Maple	17	As on plan				0	450	540	91.56	MA	F	field boundary vegetation. Likely lapsed hedge. Mixed species varying in height. Power lines run along part of boundary	20+	B	2	Monitor for Ash dieback
G8	Elm, Field Maple, Hawthorn, Hazel.	10	As on plan				0	300	360	40.69	MA	F	Field Boundary hedgerow/	20+	B	1	Dead Elm stems within

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Tree Ref. No.	Species (Common Name)	Height (m)	N	E	S	W	Grnd Clrnc	DBH (mm)	RPR (cm)	RPA (m)	Age class	Gen Cond	Structural Defects/Comments	Estimated remaining contribution (BS 5837)	BS Cat	BS Sub Cat	Prelim Tree Work Recommendations
G9	Elm, Field Maple, Hawthorn, Hazel.	10	As on plan				0	300	360	40.69	MA	F	Field Boundary hedgerow/	20+	B	2	Dead Elm stems within
G10	Leyland Cypress	12	As on plan				0	300	360	40.69	MA	F	Offsite.	20+	C	2	
G11	Blackthorn, Field Maple	12	As on plan				0	300	360	40.69	MA	F	Offsite.	20+	C	2	
G12	Leyland Cypress	12	As on plan				0	300	360	40.69	MA	F	Offsite.	20+	C	2	
G13	Goat Willow	12	As on plan				0	350	420	55.39	MA	F	Offsite.	20+	C	2	
G14	Hawthorn, Ash	10	As on plan				0	350	0.1	0.00	MA	F	To boundary of residential house	20+	B	2	Monitor for Ash dieback
G15	Ash, Oak, Blackthorn, Hawthorn	18	As on plan				0	400	480	72.35	MA	F	Field boundary lapsed hedge. Up to 18m in height	20+	B	2	Monitor for Ash dieback
H1	Hawthorn, Field Maple, Blackthorn	3	As on plan				0	200	240	18.09	MA	F	Field boundary hedge	20+	C	2	
H2	Hawthorn	3	As on plan				0	200	240	18.09	MA	F	Field boundary hedge	20+	C	2	

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H3	Hawthorn	3	As on plan				0	200	240	18.09	MA	F	Field boundary hedge	20+	C	2	
H4	Hawthorne	3	As on plan				0	200	240	18.09	MA	F	Field boundary hedge to highway	20+	B	2	

Tree Survey Explanatory Notes

- **Ref No**. Identifies trees, groups, hedgerows and woodlands on any accompanying plan
- **Species** Common Name are provided to give wider comprehension
- **Height** Tree height given in meters (approximate)
- **Canopy spread** Indicated crown spread at the four cardinal points North, East, South and West
- **Ground clearance** Height of ground clearance of the canopy from the ground
- **DBH (mm)** Diameter of stem measured at 1.5m from ground level.
- **RPR (cm)** Root protection radius. Distance to be protected measured radially from the centre of the stem
- **RPA (m^2)** Root protection area is the minimum root area which should remain undisturbed
- **Age Class** Age of tree expressed as Y- Young, EM - Early Mature, MA - Mature or OM - Over Mature

- **General Condition** Overall condition of tree expressed as Good, fair or poor
- **Comments** General comments as to structural defects or characteristics of the tree. Will include specific problems such as disease, deadwood, fungal bodies and pests
- **Estimated remaining years** Expressed in <10, 10+, 20+ and 40+ years
- **BS Category** Overall tree category A - High value, B moderate value, C low value, U poor value
- **Sub Category** Refers to retention category where 1 is arboricultural value, 2 landscape value, 3 cultural value. Trees may have more than one sub category