

# ARBORICULTURAL ASSESSMENT

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Prepared by DEP Landscape Architecture and trees surveyed by Georgina  
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20/04/2015

## PROJECT

Birch House, Birch Vale

## CLIENT:

Mr and Mrs B Lawton

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# **I BACKGROUND**

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## **I.1 Brief**

This arboricultural report has been commissioned by Mr and Mrs B Lawton to support a proposed planning application for the development of Birch House off Spinnerbottom Road in the village of Birch Vale, Derbyshire. The proposed development comprises the building of three detached residential properties.

## **I.2 Documents provided**

We have been provided with a topographical survey base in CAD format which locates all of the trees and woodland groups in relation to existing features and levels on site. This drawing was used to accurately plot the tree positions on the Tree Constraints Plans.

## **I.3 Tree Status**

All of the trees on site are protected by a Tree Preservation Order TPO reference 203. This order was made by the High Peak Borough Council in 1989 and refers to W1 which describes a mixed deciduous trees consisting mainly of Horse Chestnut, Sycamore, Purple Beech, Ash and Birch.

## 2 SURVEY DETAILS

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### 2.1 Site Visit

#### 2.1.1 Surveyor

Georgina Tearne MSc, HND (Arboriculture) F.Arbor.A.

#### 2.1.2 Date of Survey

The trees were surveyed in November 2014.

#### 2.1.3 Weather Conditions

Visibility was clear and the weather conditions dry.

### 2.2 Inspection Methods

A visual tree inspection was carried out from ground level of the individual trees, woodland groups and vegetation around the site.

Data collection of the trees surveyed has been carried out to BS5837:2012 recommendations and full details of the methods used are provided in Appendix I.

The trees within the woodlands around the wider site were surveyed as woodland groups to provide an understanding of the species mix, condition and to help inform future management.

The trees around the area proposed for development were surveyed as individuals to provide a more detailed understanding of the tree species, condition and the canopy height and spread.

An overview of the trees are presented in the section 3.0 while notes in the form of a schedule are presented as a spreadsheet in the Appendix. Locations are identified on **3014.02 Tree Survey Drawing**.

## 3 SITE OVERVIEW

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### 3.1 Site Description

- 3.1.1 The site is located in the village of Birch Vale in Derbyshire and is accessed off Spinnerbottom.
- 3.1.2 The site is forms what was once the wider grounds of a large house called Birch House which was demolished pre 1970. The site has been used up until recently as a licensed carcass and incinerator disposal centre but is now vacant.
- 3.1.3 There is a track which runs up through the site and provides access to the main collection of buildings three quarters of the way up the site.
- 3.1.4 The site falls away from north to south and in parts is very steeply sloping with a level difference approximately 30m.
- 3.1.5 The site is bound by natural stone walls to the west, north and east and backs onto residential properties off Spinnerbottom along the southern boundary.
- 3.1.6 There are large areas of woodland which cover most of the site. Individual mature trees follow the track, an old Rhododendron walk and remnants of features which would have been part of landscaped grounds around the old house.

### 3.2 Tree Population

- 3.2.1 The access track is lined on both sides with mature Sycamore and Rhododendrons.
- 3.2.2 The main woodland area sits on a steep slope and covers a large portion of the north western half of the site. It wraps around the west and southern boundary of the main buildings within the site. It comprises semi-mature and mature Birch, Sycamore, Hawthorn, Ash and Lime with a limited understorey of Ivy, Yew, Holly and Rhododendron. The majority of the trees are narrow formed Sycamores which have probably self-seeded over time through lack of management.
- 3.2.3 The area of land to the south west is known as the Rhododendron walk, the land slopes down towards the main road and has an avenue of mature specimen Sycamores with patches of Rhododendrons underneath. It leads down to an area of dense woodland fronting onto the road which comprises mature Sycamore, Pine, Lime, Birch and Horse Chestnut with Holly and Rhododendron under storey.

- 3.2.4 There is a walled garden near the central body of the site to the south of the access track. Semi-mature Sycamore trees are growing on top of a stone retaining wall which forms the northern boundary of the walled garden. The majority of these trees are of poor quality multi-stemmed trees which have self-set into the wall. In places the roots of these trees have started to cause damage to the structure of the wall.
- 3.2.5 The walled garden is level and over grown and comprises rough grass. There is an old Apple tree growing in the middle of what would have been the allotment garden. Holly has grown over the ramped access which leads down into the walled garden on the eastern boundary with some large mature trees which include Sycamore and Horse Chestnut between this site and the chalet above.
- 3.2.6 To the south of the garden the land becomes more steeply sloping and comprises rough grass with patches of bramble and scrub. There are a few trees at the top of the embankment which are generally of poor quality. A Beech tree has a large cavity in the trunk and a collapsed Willow.
- 3.2.7 There is a derelict chalet on a level area to the east of the walled garden. Around this area are mature trees include individual Sycamore trees with a Holly under storey along the northern embankment and Sycamore, Oak, Horse Chestnut, Beech and Holly to the south. The trees become more dense further down the slope. There has been little or no maintenance of the trees around the chalet and some are in very poor condition.
- 3.2.8 As the access track bears west there is a large Yew tree, some Holly and a few individual specimen Sycamore trees in a triangular section of land between where the track splits to provide access to the two main buildings in the site.
- 3.2.9 To the north is a field which comprises a steep sided grassy slope with Birch and Sycamore. Each tree stands as an individual specimen with a high canopy and the area is clear from any scrubby vegetation, as a result of grazing.
- 3.2.10 Along the eastern boundary of the site are some stables and beyond which are four large mature Sycamore trees which sit in the neighbouring field.
- 3.2.11 The site and the trees have had little or no active maintenance over recent years which is evident by the dominance of self-seeded Sycamore within the woodland and the state of some of the poorer quality specimen trees.

## 4 TREE CONSTRAINTS

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### 4.1 Root Protection Areas

- 4.1.1 Root protection areas as calculated in line with BS5837:2012 have been shown on drawing **3014.03 Tree Constraints Plan**.
- 4.1.2 This drawing was used as a guide in consultation with the architect, landscape architect and highways engineer to ensure that development has the least impact on the trees desirable for retention.
- 4.1.3 This includes consideration of the new residential buildings and associated vehicular access and any modifications required to the access track to accommodate passing places.

### 4.2 Tree Implications

- 4.2.1 Tree works have been proposed around the immediate development area to help improve the overall woodland structure and to facilitate the longer term management of the woodland alongside development.
- 4.2.2 Following the production of this drawing the potential shade cast of the trees to be retained was calculated using guidelines from BS5837:2012.
- 4.2.3 This information was used by the architects to orientate the positions of the residential buildings to make optimum use of the morning and evening sunlight and to avoid any conflicts with the trees now and in the future.
- 4.2.4 To help illustrate how the proposed development works in relation to the existing trees please refer to the following drawings;

#### **3014.04 Tree Implications – Tree Works**

##### **3014.04.01 Tree Implications – Shade Morning**

##### **3014.04.02 Tree Implications – Shade Evening**

## 5 CONCLUSION

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- 5.1.1 The site forms what was once the wider grounds of a large house which was demolished pre 1970. The site has been used up until recently as a licensed carcass and incinerator disposal centre but is now vacant and has had little or no active tree management.
- 5.1.2 The site is largely covered in woodland with some mature specimen trees with areas of Rhododendron, rough grass and grazing land. The trees comprise mainly Sycamore with Birch, Holly and Yew and some larger mature specimen Oak, Horse Chestnut and Beech.
- 5.1.3 Trees which have been classified as U grade around the wider site are proposed to be removed for health and safety reasons.
- 5.1.4 The proposed tree works around the development area look to remove some of the less desirable trees on the edge of the woodland. The development has also been designed to ensure that conflicts with the trees now and in the future has been considered and avoided.
- 5.1.5 For the trees proposed to be retained a Tree Protection drawing with Arboricultural Method Statement should be produced following the approval of the site plan to ensure that the trees are protected in line with BS5837:2012 recommendations.
- 5.1.6 Any tree works must be carried out to BS3998:2010 and outside of the bird nest season which is 1<sup>st</sup> March to 31<sup>st</sup> August.
- 5.1.7 As part of the longer term management of the site a woodland management plan should be produced which will ensure that the site is activity managed to promote structural and species diversity and ensure the longevity of the woodland for the future.
- 5.1.8 The trees within the site are protected by a Tree Preservation Order therefore written approval or works as part of an approved planning application are required.



# APPENDICES

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## APPENDIX I - SURVEY METHODOLOGY

A visual assessment of each tree was made from ground level in accordance with BS 5837:2012 Trees in relation to construction - Recommendations. The following information has been collected for each tree and is presented in the spreadsheet at Appendix 2.

**Height** - measured in metres using a clinometer.

**Stem Diameter** - measured in metres at 1.5m above adjacent ground level. Stems of multi-stemmed trees are measured just above the buttress flare while where multiple stems emanate from ground level each stem is measured and the data is inputted into the calculation within the standard.

**Spread** - the measurement of the branch spread from the stem of the tree to the extent of the canopy in the direction of north, south, east and west.

**Crown Clearance** - measured from the highest point of the adjacent ground level in metres.

**Age Class** - described as young (Y), middle aged (MA), mature (M), over-mature (OM), veteran (V).

**Physiological Condition** - classed as good, fair, poor, or dead.

**Structural Condition** - details of any physical defects and the presence of any decay etc.

**Preliminary Management Recommendations** - detail of works required including details of further investigations recommended where suspected defects require more detailed assessment and where there is the potential for wildlife habitat.

**Estimated Remaining Contribution** - expressed in years as; less than 10, 10-20, 20-40 and more than 40.

**Amenity Value** – described as Low, Medium and High depending on the trees location and presence within the landscape.

**Category Grading** – trees are categorised, in accordance with the cascade chart for tree quality assessment, into one of the following categories.

## **Trees for Removal**

### **Category U**

Those in such a condition that any existing value would be lost within 10 years and which should, in the current context, be removed for reasons of sound arboricultural management.

## **Trees to be considered for Retention**

### **Category A**

Those of high quality and value: in such a condition as to be able to make a substantial contribution (a minimum of 40 years is suggested).

### **Category B**

Those of moderate quality and value: those in such a condition as to make a significant contribution (a minimum of 20 years is suggested).

### **Category C**

Those of low quality and value: currently in adequate condition to remain until new planting could be established (a minimum of 10 years is suggested), or young trees with a stem diameter below 150 mm.

In addition there are three subcategories which should also be applied identifying the form taken by the value of each tree;

- 1** Mainly arboricultural values
- 2** Mainly landscape values
- 3** Mainly cultural values, including conservation

## **APPENDIX 2 - SURVEY SCHEDULE**

## SURVEY SCHEDULE

NO.	SPECIES	HEIGHT (m)	TREE DIAMETER (m)	ROOT PROTECTION RADIUS (m)	ROOT PROTECTION AREA RPA (sq.m)	N	S	E	W	AGE CLASS	CROWN CLEARANCE	PHYSIOLOGICAL CONDITION	LIFE EXPECTANCY	CATEGORY GRADING	CONDITION	AMENITY VALUE
<b>T1</b>	<b>Oak</b>	5	0.11	1.32	5	3	4	4	3	Y	I	G	40+	CI	G	L
Notes	2 stems, dbh estimated, forked at 1m. Good shape and form, not pruned to any extent. Potential but easily replaced. On elevated position.															
No action																
<b>T2</b>	<b>Lime</b>	14	0.45	5.4	92	6	6	6	6	M	I	G	40+	B1	G	M
Notes	On elevated position and retained by a 2m retaining wall. Good shape and form. Not pruned to any extent. No major visible defects. Not fully surveyed															
No action																
<b>G3</b>	<b>Laburnum &amp; 2Nr Ash</b>	a	<5	0.1	1.2					Y+MA	1.5	F	<10	U	P	L
		b		0.12	1.44											
		c		0.14	1.68											
		d		0.1	1.2											
		e		0.12	1.44											
Notes	Plus 2 self sown Ash. One collapsed multi-stemmed Laburnum. Limited individual value. Not worthy of retention.															
Fell																
<b>T4</b>	<b>Lime</b>	14	0.5	6	113	6	6	5	4	M	2	G	40+	B1	G	M
Notes	Single stemmed. Epicormic shoots at base. On elevated position 2m above site. Not fully surveyed. Some deadwood. Good shape and form. Not pruned to any extent. No major visible defects.															
No action																
<b>T5</b>	<b>Pear</b>	3.5	0.18	2.16	15	0.5	2.5	0.5	3	M	I	P	<10	U	P	L
Notes	Almost dead. Limited individual value. Not worthy of retention.															
fell																
<b>T6</b>	<b>Sycamore</b>	13	0.35	4.2	55	6	6	5	3	MA	2	G	20-40	C++	F	M
Notes	On top of 2m retaining wall. Displacing some stones. Single stemmed with suckers at base. Crown lift in past over site. Reasonable shape and form. No major visible defects. Not fully surveyed.															
no action at present																
<b>T7</b>	<b>Sycamore</b>	16	0.38	4.56	65	5	8	5	2	MA	0	G	20-40	CI+	F	M
Notes	Single stemmed. Suckers at base. On top of 2m retaining wall. Slightly one sided crown over site. Not fully surveyed.															
No action at present																
<b>T8</b>	<b>Birch</b>	13	0.36	4.32	59	5	5	6	0	M	??	F	20-40	B1-	G	M
Notes	Single stemmed. Forked at 3.5m. Epicormic shoots at base. One sided towards site. Minor deadwood. High crown. No major visible defects.															
No action at present																

NO.	SPECIES	HEIGHT (m)	TREE DIAMETER (m)	ROOT PROTECTION RADIUS (m)	ROOT PROTECTION AREA RPA (sq.m)	N	S	E	W	AGE CLASS	CROWN CLEARANCE	PHYSIOLOGICAL CONDITION	LIFE EXPECTANCY	CATEGORY	CONDITION	AMENITY VALUE
<b>T9</b>	<b>Birch</b>	7	0.18	2.16	15	0	3	5	2	MA	4	P	10+	<b>CI</b>	F	L
Notes	Single stemmed. Dense epicormic shoots at base and bits up stem. Poor one sided crown, dieback & deadwood. Limited individual value.															
Deadwood																
<b>T10</b>	<b>Birch</b>	8	0.2	2.4	18	0	5	3	3	MA	8	F	20-40	<b>CI</b>	F	L
Notes	Single stemmed. Dense epicormic shoots at base and up stem. Forked at 5m. High crown. Minor deadwood. Limited individual value. No major visible defects.															
No action at present																
<b>T11</b>	<b>Rowan</b>	6	0.23	2.76	24	1	6	4	1	M	2	F	20-40	<b>CI</b>	F	L
Notes	Single stemmed. Suckers at base. Dense multi stemmed crown with included bark. Major deadwood and stubs. One sided.															
Deadwood																
<b>G12</b>	<b>Elm</b>	<5	0.08	0.96						Y	0	F	10-20	<b>C2</b>	F	L
	Combined stem dia to BS5837:2012		0.13	1.56	8											
Notes	Multi-stemmed from coppiced stubs and suckers. Limited individual value. Easily replaced.															
No action at present																
<b>T13</b>	<b>Birch</b>	13	0.27	3.24	33	0	4	3	2	MA	2+	F	20-40	<b>CI</b>	F	L
Notes	single stemmed. One sided canopy to the south. Some deadwood and stubs. Not pruned to any extent. No major visible defects.															
No action																
<b>G14</b>	<b>Sycamore and Ash</b>	<5	0.08	0.96						Y	0.5+	F	10+	<b>C2</b>	F	L
	Combined stem dia to BS5837:2012		0.18	2.16	15											
Notes	5 x stems x 1.08dbh. Self sown saplings out of banking. Limited individual value, easily replaced. Not worthy of retention.															
Remove																
<b>T15</b>	<b>Birch</b>	9	0.27	3.24	33	0	5	3	0	MA	6	F	20-40	<b>CI</b>	F	L
Notes	Single stemmed. One sided canopy. High crown. Minor stubs. No major visible defects															
No action																
<b>T16</b>	<b>Birch</b>	13	0.23	2.76	24	1	3	6	0	MA	3+	F	20-40	<b>CI</b>	P	L
Notes	Single stemmed. One sided canopy. Minor deadwood. No major visible defects. Limited individual value. Easily replaced.															
No action																
<b>T17</b>	<b>Rowan</b>	9	0.21	2.52	20	0	5	2	2	M	1	F	20-40	<b>CI</b>	F	L
Notes	Single stemmed with suckers at base. Some deadwood. No major visible defects. Easily replaced.															
No action at present																
<b>T18</b>	<b>Birch</b>	8	0.28	3.36	35	4	10	2	2	M	0	F	<10	<b>U</b>	P	L
Notes	Collapsed at base in distant past. Relatively new growth corrected. Not worthy of retention.															
Fell																

NO.	SPECIES	HEIGHT (m)	TREE DIAMETER (m)	ROOT PROTECTION RADIUS (m)	ROOT PROTECTION AREA RPA (sq.m)	N	S	E	W	AGE CLASS	CROWN CLEARANCE	PHYSIOLOGICAL CONDITION	LIFE EXPECTANCY	CATEGORY	CONDITION	AMENITY VALUE
<b>T19</b>	<b>Rowan</b>	6	0.21	2.52	20	0	5	1	1	M	-	P	<10	<b>U</b>	P	L
			0.27	3.24	33											
Notes	Twin-stemmed from base. Almost dead. Loosing bark. Deadwood present.															
Fell																
<b>T20</b>	<b>Sycamore</b>	18	0.5	6	113	2	6	7	8	M	2+	G	40+	<b>B1</b>	F	M
Notes	Single stemmed. Good shape and form. Dead birch from behind leaning into canopy. Holly at base. Some deadwood and stubs. Not pruned to any extent.															
Deadwood																
<b>T21</b>	<b>Sycamore</b>	18	0.25			3	2	4	2	M	2	F	20-40	<b>CI</b>	F	L/M
			0.29													
			0.19													
			0.23													
	Combined stem dia to BS5837:2012		0.82	9.84	304											
Notes	Multi-stemmed from short partial bole. Positioned on elevated cut out. Reasonable condition. Minor cavities.															
No action at present																
<b>T22</b>	<b>Birch</b>	22	0.34	4.08	52	4	4	4	4	M	12	F	20-40	<b>CI</b>	F	L/M
Notes	Single stemmed with a high crown. Deadwood and stubs. Not pruned to any extent. No major visible defects.															
Deadwood																
<b>T23</b>	<b>Sycamore</b>	20	0.55	6.6	137	6	5	8	4	M	4	G	20-40	<b>B1</b>	G	M
			0.46	5.52	96											
Notes	Twin-stemmed from ground level. Reasonable shape and form. Some major deadwood. Next to outlet pipe on rubble area. No other major visible defects.															
Deadwood																
<b>T24</b>	<b>Sycamore</b>	20	0.47	5.64	100	4	3	2	3.5	M	3+	G	20-40	<b>B1</b>	F	M
Notes	Single stemmed. Formed at 1.3m into two upright stems. Minor fused limb. Some deadwood and dead stem within 1m of base.															
Deadwood																
<b>T25</b>	<b>Sycamore</b>	20	0.39	4.68	69	2.5	2	2	5	M	8	G	20-40	<b>B1-</b>	G	M
Notes	Single stemmed. Narrow form with high crown. Minor deadwood. Not pruned to any extent. No major visible defects.															
No action at present																
<b>T26</b>	<b>Sycamore</b>	20	0.39	4.68	69	2.5	2.5	2.5	1.5	M	8	F	20-40	<b>B1-</b>	F	M
Notes	Single stemmed forked at 3m. Minor deadwood. Not pruned to any extent. No major visible defects															
No action at present																
<b>T27</b>	<b>Elm</b>	20	0.44	5.28	88	4	7	4	4	M	11	F	20-40	<b>B1</b>	F	M
			0.55	6.6	137											
Notes	Twin-stemmed from base with included bark. High canopy. Some deadwood. No major visible defects.															
Deadwood																

NO.	SPECIES	HEIGHT (m)	TREE DIAMETER (m)	ROOT PROTECTION RADIUS (m)	ROOT PROTECTION AREA RPA (sq.m)	N	S	E	W	AGE CLASS	CROWN CLEARANCE	PHYSIOLOGICAL CONDITION	LIFE EXPECTANCY	CATEGORY	CONDITION	AMENITY VALUE
<b>T28</b>	<b>Horse Chestnut</b>	14	0.36	4.32	59	2	4	4	3	MA	0	F	40+	CI+	F	L/M
Notes	Single stemmed growing out of steep bank. Epicormic shoots at base. Slightly one sided. Old pruning wound at 1.5m with minor decay. No major visible defects.															
No action at present																
<b>T29</b>	<b>Sycamore</b>	18	0.46	5.52	96	4	7	7	4	M	10	G	40+	B1-	G	M
Notes	Single stemmed. High crown. Deadwood. Not pruned to any extent. No major visible defects.															
No action																
<b>T30</b>	<b>Sycamore</b>	18	0.41	4.92	76	5.5	5	6	3	M	8	G	40+	B1-	G	M
Notes	Single stemmed. Crown lifted in past. Deadwood in crown. Not pruned to any extent. No major visible defects.															
No action																
<b>T31</b>	<b>Sycamore</b>	18	0.19	2.28	16	1	1	1	1	MA	7	G	20-40	CI	P	L
Notes	Buttswept at base producing narrow upright tree. Very spindly tree. Not worthy of retention as an individual.															
No action at present																
<b>T32</b>	<b>Sycamore</b>	22	0.48	5.76	104	3	5	3	5	M	4+	G	20-40	B1-	G	M
Notes	Single stemmed. Some ivy up the stem. Slightly one sided. Deadwood and stubs. No major visible defects.															
Remove Ivy																
<b>T33</b>	<b>Sycamore</b>	19	0.51	6.12	118	8	6	4	6.5	M	7	G	40+	B1-	G	M
Notes	Single stemmed. Ivy on stem. Minor deadwood and stubs															
Remove Ivy																
<b>G34</b>	<b>Sycamore</b>	a	<25	0.32	3.84	46	8		5	M	6+	F	20-40	B2	F	M
		b		0.34	4.08	52	9		9							
		c		0.37	4.44	62										
		d		0.37	4.44	62										
		e		0.31	3.72	43	6.5		7							
		e		0.4	4.8	72										
		f		0.5	6	113	8.5		8							
		g		0.35	4.2	55	10									
				0.51	6.12	118										
				0.4	4.8	72										
				0.37	4.44	62										
				0.45	5.4	92										
Notes	12 trees in the group. Single stemmed and twin-stemmed with dense ivy into crowns. Some deadwood and stubs. Too spindly to be individuals.															
Remove Ivy																



NO.	SPECIES	HEIGHT (m)	TREE DIAMETER (m)	ROOT PROTECTION RADIUS (m)	ROOT PROTECTION AREA RPA (sq.m)	N	S	E	W	AGE CLASS	CROWN CLEARANCE	PHYSIOLOGICAL CONDITION	LIFE EXPECTANCY	CATEGORY	CONDITION	AMENITY VALUE
<b>T35</b>	<b>Sycamore</b>	17	0.4			0	5	2	4	M	-	F	20-40	<b>C++</b>	F	M
			0.31													
			0.5	6	113											
Notes Twin-stemmed from short bole with included bark at union. Ivy into crown. Deadwood and stubs. High one sided canopy. Poor height/stem ratio.																
Remove ivy																
<b>T36</b>	<b>Sycamore</b>	17	0.37	4.44	62	0	5	0	I	M	-	F	20-40	<b>CI</b>	F	M
Notes Single twisted stem. Ivy into crown. Poor height/stem ratio. Deadwood. Very high and small crown.																
Remove ivy																
<b>T37</b>	<b>Yew</b>	6	0.22	2.64	22	3	4	3	5	MA	0	F	40+	<b>CI</b>	G	L/M
			0.08	0.96	3											
Notes One main stem with large sucker from the base. Reasonable shape and form. Potential but easily replaced. No major visible defects.																
No action																
<b>T38</b>	<b>Sycamore</b>	18	0.23	2.76	24	7.5	3	2	3	M	4+	F	20-40	<b>CI</b>	F	L/M
			0.28	3.36	35											
			0.13	1.56	8											
			0.21	2.52	20											
Notes Multi-stemmed from base. All stems narrow with limited crowns. Poor height/stem ratio.																
No action at present																
<b>T39</b>	<b>Sycamore</b>	18	0.29	3.48	38	8	6	3	5	M	3+	F	20-40	<b>CI</b>	F	L/M
			0.36	4.32	59											
			0.37	4.44	62											
Notes 3 Stems from base with some included bark wounds in the crown. One sided towards site.																
No action at present																
<b>T40</b>	<b>Sycamore</b>	18	0.26	3.12	31	5	3	6	3	M	3+	F	20-40	<b>CI+</b>	F	M
			0.32	3.84	46											
			0.41	4.92	76											
Notes 3 Stems from base with some included bark. Crown lifted over site in past. No major visible defects. Slightly one sided.																
No action at present																
<b>T41</b>	<b>Holly</b>	6	0.08	0.96	3	3	3	3	I	Y	0	G	40+	<b>CI</b>	G	L
			0.09	1.08	4											
			0.1	1.2	5											
Notes Self sown. 3 stems from base. Dense. No major visible defects. Potential but easily replaced.																
No action																

NO.	SPECIES	HEIGHT (m)	TREE DIAMETER (m)	ROOT PROTECTION RADIUS (m)	ROOT PROTECTION AREA RPA (sq.m)	N	S	E	W	AGE CLASS	CROWN CLEARANCE	PHYSIOLOGICAL CONDITION	LIFE EXPECTANCY	CATEGORY	CONDITION	AMENITY VALUE	
T42	Sycamore	20	0.38	4.56	65	3	3	8	2	M	10	G	40+	CI+	F	M	
			0.32	3.84	46												
Notes	Twin-stemmed at 1.5m with included bark. Narrow form and one sided canopy to the east. Minor deadwood. Not pruned to any extent. No major visible defects.																
No action at present																	
T43	Sycamore	20	0.19	2.28	16	1	6	3	1	MA	5+	F	40+	CI	F	L/M	
			0.26	3.12	31												
Notes	Twin-stemmed from base. Narrow drawn up form. Minor deadwood. No major visible defects.																
No action																	
T44	Sycamore	20	0.39	4.68	69	6	3	4	4	M	10	F	20-40	CI+	F	M	
Notes	Single stemmed. Dead stub at 2.5m. Narrow and high crown. Limited individual value. Poor height/stem ratio																
No action at present																	
T45	Yew	6	0.25	3	28	5	4	3	3	MA	0	G	40+	CI	G	L	
Notes	Single stemmed with foliage to base. Dense. No major visible defects.																
No action																	
G46	3 x Sycamore	20	0.33	3.96	49	0	0	3	2	MA	12	F	20-40	C2	F	L/M	
			0.29	3.48	38	1	2	2	0								
			0.27	3.24	33	2	4	1	2								
Notes	3 x single stemmed all with narrow drawn up canopies. Some deadwood and stubs. Limited individual value																
Deadwood																	
T47	Sycamore	22	0.32	3.84	46	4	3	3	2	MA	14	F	20-40	CI	F	M	
Notes	Single stemmed. Narrow, spindly crown. Limited individual value. Minor deadwood. Not pruned to any extent. No major visible defects.																
No action																	
T48	Ash	22	0.41	4.92	76	6	0	2	4	MA	14	P	<10	U	P	M	
Notes	Single stemmed, kinked at 6m. Poor form. Narrow crown. Significant decay into stem from 0.5m to 2.5m. Limited long term value. Not worthy of retention.																
Fell																	
G49	3 x Sycamor, 1 x Ash	a	20	0.42		5	0	1	6	MA	3+	F	20-40	C2	F	M/L	
		a		0.32		5	1	2	5								
		a - Combined stem dia to BS5837:2012		0.53	6.36	127											
		b		0.3	3.6	41											
		c		0.32	3.84	46											
		d		0.4													
		d		0.3													
		d - Combined stem dia to BS5837:2012		0.5	6	113											
Notes	2 x twin-stemmed and 2 x single stemmed trees. All very narrow and spindly forms. Some deadwood and stubs. Ivy to tree 'd'. No major visible defects.																
No action at present																	
G50	2 x Sycamore	a	20	0.29	3.48	38	1	2	1	4	MA	2+	G	40+	C+	F	M
		b		0.43	5.16	84	10	2	3	6	M						
Notes	2 x single stemmed. 'b' with bark wounds from base to 1m with good wound wood. Slightly one sided.																
No action at present																	
T51	Sycamore	22	0.43	5.16	84	2	5	4	6	M	6+	G	40+	B1	G	M	
Notes	Single stemmed. Dense Ivy up slightly buttswept base on steep slope. Minor deadwood.																
Remove ivy																	





NO.	SPECIES	HEIGHT (m)	TREE DIAMETER (m)	ROOT PROTECTION RADIUS (m)	ROOT PROTECTION AREA RPA (sq.m)	N	S	E	W	AGE CLASS	CROWN CLEARANCE	PHYSIOLOGICAL CONDITION	LIFE EXPECTANCY	CATEGORY	1st SIGNIFICANT BRANCH	AMENITY VALUE
<b>T76</b>	<b>Sycamore</b>	18	0.33	3.96	49	3	2	2	6	MA	5	F	40+	<b>CI+</b>	7	ML
Notes	Single stemmed. Narrow high crown. Some deadwood and stubs.															
Deadwood																
<b>T77</b>	<b>Beech</b>	19	0.37			6	7	6	8.5	M	0+	F	20-40	<b>B-</b>	1W	M
			0.9													
		Combined stem dia to BS5837:2012		0.97	11.64	426										
Notes	Short wide spreading bole. Multi-stemmed from 1 + 1.5m. One stem to E removed leaving poor wound with some wood wound. Sat on RW so RPA one-sided. Included bark at main fork. Minor ripped limbs.															
No action at present																
<b>T78</b>	<b>Ash</b>	24	0.56	6.72	142	2	4	6	7	M	3	F	40+	<b>B1</b>	3W	M
Notes	Single stemmed. Covered in Ivy. Forked at 1.5m with significant limb to the north. Otherwise high crown. Deadwood but no major visible defects. Epicormic shoots at base.															
Deadwood																
<b>T79</b>	<b>Sycamore</b>	24	0.42	5.04	80	3	6	6	3	M	11	G	40+	<b>B1</b>	11S	M
Notes	Single stemmed with dense rhododendron at base. High crown and limited crown. Some deadwood, no major visible defects.															
Deadwood																
<b>T80</b>	<b>Sycamore</b>	24	0.46	5.52	96	0	6	4	3	M	9	G	40+	<b>B1</b>	8W	M
Notes	Single stemmed with dense rhododendron at base. High crown and limited crown. Some deadwood, no major visible defects.															
Deadwood																
<b>T81</b>	<b>Beech</b>	23	0.5	6	113	3	7	6	6	M	2+	G	40+	<b>B1</b>	8W	M
Notes	Single stemmed. Appears to have been grafted at 1m. No major visible defects. Reasonable shape and form. Major deadwood.															
Deadwood																
<b>T82</b>	<b>Beech</b>	25	0.59	7.08	157	6	9	7	6	M	2+	G	40+	<b>B1</b>	-	H
			0.69	8.28	215											
Notes	Twin-stemmed from base, probably two trees but forming one crown. Good shape and form. Hanging branch. Deadwood. Not pruned to any extent. No major visible defects.															
Deadwood and remove hanging branches																
<b>T83</b>	<b>Hawthorn</b>	14	0.37	4.44	62	2	4	4	2	M	2+	G	20-40	<b>B1</b>	25E	M
Notes	Single stemmed, Good shape and form. Slightly one sided. Minor deadwood. No major visible defects. Some stubs.															
Deadwood																
<b>T84</b>	<b>Sycamore</b>	17	0.67	8.04	203	8	8	7	7	M	4+	F	40+	<b>B1</b>	6N	M
Notes	Single stemmed but forked at 2m. Reasonable shape and form. Deadwood but no major visible defects.															
Deadwood																
<b>T85</b>	<b>Sycamore</b>	16	0.59	7.08	157	5	7	4	6	M	6	F	20-40	<b>B1</b>	5N	M
Notes	Single stemmed. Bark wounds on stem with some bleeding canker. 0-1m at ground level. Minor deadwood but no major visible defects in crown.															
No action at present																
<b>T86</b>	<b>Sycamore</b>	15	0.76	9.12	261	6	6	6	7	M	1+	G	40+	<b>B1</b>	4S	H
Notes	Single stemmed. Good shape and form. Deadwood. No major visible defects. Not pruned to any extent.															
Deadwood																
<b>T87</b>	<b>Sycamore</b>	18	0.72	8.64	235	8	8	3	8	M	3	G	40+	<b>B1</b>	3S	H
Notes	Single stemmed. Good shape and form. Deadwood. No major visible defects. Not pruned to any extent.															
no action at present																

NO.	SPECIES	HEIGHT (m)	TREE DIAMETER (m)	ROOT PROTECTION RADIUS (m)	ROOT PROTECTION AREA RPA (sq.m)	N	S	E	W	AGE CLASS	CROWN CLEARANCE	PHYSIOLOGICAL CONDITION	LIFE EXPECTANCY	CATEGORY	1st SIGNIFICANT BRANCH	AMENITY VALUE
<b>T88</b>	<b>Holly</b>	10	0.35	4.2	55	3	4	3	4	M	0	F	20-40	<b>B1</b>	-	M
Notes	3 stems estimated at 0.35m dia. In neighbouring property. No access. Multi-stemmed from base. Dense. No major visible defects.															
No action																
<b>T89</b>	<b>Birch</b>	12	0.47	5.64	100	4	8	4	6	M	3	F	10-20	<b>C1</b>	4S	M
Notes	Single stemmed , good shape and form. Minor deadwood. Over mature.															
No action																
<b>T90</b>	<b>Norway Spruce</b>	18	0.38	4.56	65	4	4	4	4	M	3	G	20-40	<b>B1</b>	3S	M
Notes	Single stemmed. Good shape and form. No major visible defects. Not pruned to any extent.															
No action																
<b>T91</b>	<b>Rhododendron</b>			0	0	See Plan										
Notes																
<b>T92</b>	<b>Yew</b>	8	0.56	6.72	142	7.5	4	6	4	M	0+	F	40+	<b>C1</b>	2E	M
Notes	Fully mature. Good shape and form. Epicormic shoots at base. Stubs and deadwood. Collapsed stems in crown. Will need remedial prune.															
Remedial prune																
<b>T93</b>	<b>Birch</b>	11	0.35	4.2	55	0	6	4	0	MA	5	F	10-20	<b>C1</b>	5S	M
Notes	Single stemmed. Stubs in crown. Minor stubs and deadwood.															
No action																
<b>T94</b>	<b>Sycamore</b>	16	0.53	6.36	127	1	5	6	4	M	8	F	20-40	<b>C1</b>	F	M
Notes	Buttswept base. Forked at 1m into upright form. One sided crown. Minor deadwood. Crown lifted in past.															
No action																
<b>T95</b>	<b>Sycamore</b>			0	0											
Notes	Felled, only Sycamore suckers remain															
<b>T96</b>	<b>Lime</b>	15	0.32	3.84	46	4	3	4	4	MA	2	F	20-40	<b>C1</b>	F	M
			0.26	3.12	31											
Notes	Twin-stemmed from ground level. On elevated position. 2 stems rubbing together.															
No action at present																
<b>T97</b>	<b>Lime</b>	15	0.38	4.56	65	2	5	5	4	MA	2	F	40+	<b>B1</b>	F	M
Notes	Single stemmed. Dense suckers around base. Some deadwood. Crown lifted in past to clear cables. On top of retaining wall.															
No action																

NO.	SPECIES	HEIGHT (m)	TREE DIAMETER (m)	ROOT PROTECTION RADIUS (m)	ROOT PROTECTION AREA RPA (sq.m)	N	S	E	W	AGE CLASS	CROWN CLEARANCE	PHYSIOLOGICAL CONDITION	LIFE EXPECTANCY	CATEGORY	1st SIGNIFICANT BRANCH	AMENITY VALUE
<b>T98</b>	<b>Ash</b>	16	0.85	10.2	327	8	6	8	6	M	2	F	20-40	<b>B1</b>	F	H
Notes	Estimated dbh. Single stemmed. In elevated position between two retaining walls. Suckers at base. Deadwood and stubs. Not fully surveyed.															
Deadwood																
<b>T99</b>	<b>Horse Chestnut</b>	12	0.35	4.2	55	5	5	6	4	M	2	F	20-40	<b>B1</b>	F	H
Notes	Single stemmed, leaning towards south and east. Old pruning wounds, stubs. Not fully surveyed.															
No action at present																
<b>T100</b>	<b>Norway Maple</b>	25	0.81	9.72	297	3	11	10	6	M	6	P	<10	<b>U</b>	45	M
Notes	Leaning from base with significant hollow at base. Very one sided over driveway. Potential to collapse. Hanging branch and deadwood.															
Fell																
<b>G101</b>	<b>Dense Evergreen Understory</b>															
Notes	Dense evergreen under story comprising Rhododendron and Holly underneath T83-T97 and on the edge of the woodland opposite.															
<b>G102</b>	<b>Horse Chestnut, Red Chestnut, Pine, Lime and Syc</b>															
Notes	Avenue of mature trees with Holly and Elder understory and Rhododendron. Quite open.															
<b>G103</b>	<b>Sycamore and Beech</b>				0											
Notes	Line of multi-stemmed Sycamore and Beech along the top of retaining wall. Some deadwood and stubs. Beginning to move top of wall but currently appears ok. One sided RPA's to drive.															
<b>G104</b>	<b>Beech, Lime, Turkey Oak, Sycamore, Horse Chestnut, Elm, Norway Maple</b>	<25	0.85	10.2	327					M			40+	<b>B2</b>		
Notes	Fully mature trees, some in decline particularly the Horse Chestnut with split at limbs and decay. Would benefit from pruning.															
Remove 1 x Horse Chestnut and 1 x Sycamore which are dangerous																
<b>G105</b>	<b>Sycamore</b>	<18	0.85	10.2	327					M			40+	<b>B2</b>		
Notes	Open grown fully mature trees in field. Some decay but no target risk.															
<b>G106</b>	<b>Birch, Sycamore, Oak, Rowan, Holly, Elder and Beech</b>	20	0.35	4.2	55											
Notes	Estimated average dbh. Dense woodland area with a significant understory of Holly and Elder. Many fairly mature rowan have collapsed with rotting stems and decaying stubs. Few trees of long term value as individuals (mainly Sycamore and one Oak). The others have short life expectancy or are spindly and narrow, therefore limited individual value.															

NO.	SPECIES	HEIGHT (m)	TREE DIAMETER (m)	ROOT PROTECTION RADIUS (m)	ROOT PROTECTION AREA RPA (sq.m)	N	S	E	W	AGE CLASS	CROWN CLEARANCE	PHYSIOLOGICAL CONDITION	LIFE EXPECTANCY	CATEGORY	1st SIGNIFICANT BRANCH	AMENITY VALUE
G107	Sycamore, Birch and I x Scots Pine	<18	0.65	7.8	191											
Notes	Estimated average dbh. Individual trees generally open grown with good canopies. Very little understorey other than bramble and bracken. Some poor quality trees but no target risk.															
Area would benefit from understorey and whip planting																
G108	Birch and Holly															
Notes	Area consisting mainly Birch, many spindly and upright and some are showing signs of decline with stubs and snapped limbs. Some Holly understorey.															
Thin out poorer specimensand plant pioneer trees and under storey																
G109	Rhododendron															
Notes	Area of dense Rhododendron with a mature Yew and Oak															
G110	Birch, Lime, Sycamore and Oak	<18	0.65	7.8	191					M			40+	B2		
Notes	Estimated average dbh. All open grown in sloping field. Good shape and form. No recent maintenance. Birch with limited long term value due to general life expectancy.															
G111	Fruit tree, Walnut, Beech, Holly, Ash, Horse Chestnut															
Notes	Scrub area with a couple of mature trees and the odd fruit tree but the central area is pretty void. Fallen Walnut and fully mature Beech. Little understorey of Holly, Ash and Horse Chestnut regeneration.															



## **APPENDIX 3 - DRAWINGS**