



Tree Survey

At

Bike Park Wales
Merthyr Tydfil

Inspected by:-
Julian Wilkes BSc.For, MSc.Land Man, MIC.For, TechArborA
Treescene Ltd
The Walled Garden
Old Coedarhydyglyn
St Nicholas
Cardiff
CF5 6SG
Tel No. 029 20599300

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Registered Office: Treescene Limited
The Walled Garden, Old Coedarhydyglyn, St. Nicholas, Cardiff CF5 6SG
Tel. 029 205 99300 Email. trees@treescene.co.uk

I have been instructed by Mr Liam Hopkins of The Urbanists to carry out a survey on trees at Bike Park Wales, Merthyr Tydfil.

Scope of Report

This Tree Survey has been undertaken within the recommendations of British Standards 5837:2012 and current good arboricultural practice.

The survey entailed a visual inspection from ground level of all trees.

Each tree has been numbered and, where instructed, have been tagged using small durable metal or plastic tags.

Due to variations of existing ground levels through the site, height dimensions are estimated and are given in metres.

Trunk/stem diameters are measured at 1.5 metres above ground level, or immediately above the root flare for multi-stemmed trees.

Estimated branch spread is taken in metres from the centre of the trunk, at the four cardinal points of a compass, to achieve an accurate representation of crown shape.

An assessment of a tree's age classification is made in terms of its maturity within the site's landscape.

An assessment of a tree's physiological condition is made as good, fair, poor, dead.

Data on the structural condition of the tree has been entered, e.g., collapsing, leaning and the presence of any decay or physical defect has been noted.

Preliminary management recommendations include further investigation of suspected defects that require more detailed assessment or potential for wildlife habitat.

An assessment of a tree's future life expectancy is made as <10, 10-20, 20-40 or >40 etc.

Table 1 – Cascade chart for tree quality assessment

Category and definition	Criteria (including subcategories where appropriate)		
<u>Category U</u> Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years	- Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other U category trees (i.e. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning) - Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline - Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7		
	1 Mainly Arboricultural values	2 Mainly landscape values	3 Mainly cultural values, including conservation
<u>Category A</u> Those of high quality with an estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual, or essential components of groups, or of formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands of particular visual importance as Arboricultural and/or landscape features	Trees, groups or woodlands of significant conservation; historical, commemorative or other value (e.g. veteran trees or wood-pasture)
<u>Category B</u> 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 locality	Trees with material conservation or other cultural benefits
<u>Category C</u> 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 higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value, and/or trees offering low or only temporary/transient landscape benefits	Trees with no material conservation or other cultural value

Tree No.	Tree Tag No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)	Branch Spread(m)				Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
						N	E	S	W							
T1	-	European Larch (Larix decidua)	22	Single	0.5	5	7	5	4	4	Mature	Fair	Woodland edge tree of reasonable form that has previously suffered significant storm damage in upper crown on eastern side. Some evidence of thinning of foliage.	Monitor for health	20-40	B
T2	222	Alder (Alnus glutinosa)	16	Multi	0.65	5	8	7	7	3	Mature	Fair to poor	Multi stemmed specimen of variable form with evidence of thinning of foliage throughout crown	Monitor for health	10-20	C
T3	226	Alder (Alnus glutinosa)	9	Single	0.49	2	4	5	4	3	Mature	Fair to poor	Tree of variable form with significant mechanical damage at base of main stem which has led to commencement of some internal decay. Ground levels have been raised on eastern side of rooting area which may impact on health in the future.	Monitor for health	10-20	C

Tree No.	Tree Tag No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)	Branch Spread(m)				Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
						N	E	S	W							
T4	227	Alder (Alnus glutinosa)	12	Multi	0.7	8	6	8	6	2	Mature	Fair to poor	Multi stemmed specimen of variable form with evidence of thinning of foliage in upper crown. Ground levels have been raised on northern and eastern side of rooting area which may impact on health at a later date. Evidence of some internal decay within main stem.	Monitor for health	10-20	C
T5	228	Alder (Alnus glutinosa)	10	Single	0.4	5	3	4	4	3	Mature	Fair to poor	Tree of variable form with significant thinning of foliage throughout crown	Monitor for health	10-20	C
G6	223 224 225	Group of Alder (Alnus glutinosa)	18	Single and multi	0.4 (avg)	6	5	6	5	3	Mature	Fair to poor	Woodland edge trees of variable form with evidence of thinning of foliage in upper crowns	Monitor for health	10-20	C
T7	888	Alder (Alnus glutinosa)	16	Single	0.44	3	5	2	3	3	Mature	Fair	Woodland edge tree of reasonable form	No action required at this time	20-40	B
T8	889	Sycamore (Acer pseudo-platanus)	19	Single	0.4	9	5	5	7	2	Middle aged	Fair	Woodland edge tree of reasonable form and vigour	No action required at this time	20-40	B

Tree No.	Tree Tag No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)	Branch Spread(m)				Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
						N	E	S	W							
T9	230	Oak (Quercus robur)	22	Single	0.68	9	10	8	9	2	Mature	Good	Tree of good form with well-balanced crown. Some deadwood extending over track.	Prune to remove major deadwood extending over track	>40	A
T10	229	Alder (Alnus glutinosa)	14	Multi	0.5	5	3	5	5	2	Mature	Fair to poor	Tree of reasonable form with evidence of thinning of foliage in upper crown	Monitor for health	10-20	C
T11	231	Oak (Quercus robur)	25	Single	1.3	11	14	15	14	2	Mature	Fair	Notable specimen with massive basal cavity on eastern side of main stem extending from ground level to 2.5m. No evidence of on-going fungal activity. Some deadwood extending over adjacent track.	Undertake 4-5m overall crown reduction. Prune to remove major deadwood extending over track. Monitor for safety.	20-40	B
T12	232	Oak (Quercus robur)	14	Single	0.81	14	12	5	14	3	Mature	Fair	Slightly suppressed specimen of variable form with some evidence of thinning of foliage in upper crown	Monitor for health	>40	B

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						N	E	S	W							
G13	-	Group of Sycamore (Acer pseudo-platanus), Birch (Betula pendula), Oak (Quercus robur), Beech (Fagus sylvatica), Hazel (Corylus avellana) and Ash (Fraxinus excelsior)	Up to 18	Single and multi	0.25 (avg)	3	3	3	3	1	Middle aged	Fair	Streamside trees of generally reasonable form. Ash exhibit symptoms of Ash die-back disease.	Remove dead or dying specimens	>40	B
T14	233	Oak (Quercus robur)	22	Single	0.9	7	10	10	10	3	Mature	Good	Streamside tree of reasonable form. Some deadwood extending over footpath.	Prune to remove major deadwood hanging over footpath	>40	A
G15	-	Group of 2 Larch (Larix decidua) and 1 Scots Pine (Pinus sylvestris)	25	Single	0.55 (avg)	8	8	8	8	4	Mature	Fair	Streamside trees of reasonable form with some indication of thinning of foliage	Monitor for health	20-40	B

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						N	E	S	W							
T16	235	Alder (Alnus glutinosa)	10	Single	0.4	4	4	4	4	1	Middle aged	Fair	Tree of reasonable form with some indication of thinning of foliage in upper crown	Monitor for health	10-20	C
T17	236	Ash (Fraxinus excelsior)	14	Multi	0.45	3	4	4	4	1	Middle aged	Poor	This specimen is severely infected with Ash die-back disease	Remove	<10	U
G18	-	Group of Hazel (Corylus avellana), Birch (Betula pendula), Alder (Alnus glutinosa) and Ash (Fraxinus excelsior)	Up to 13	Single and multi	0.2 (avg)	3	3	3	3	1	Middle aged	Fair	Scrubby specimens forming small copse	No action required at this time	10-20	C
T19	237	Oak (Quercus robur)	18	Single	0.9	7	8	9	10	3	Mature	Good	Woodland tree of good form	No action required at this time	>40	A
T20	238	Oak (Quercus robur)	18	Multi	0.1	7	8	9	4	4	Mature	Fair	Woodland tree that has suffered significant storm damage in the recent past	Monitor for safety	20-40	B

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						N	E	S	W							
G21	-	Group of Oak (Quercus robur), Birch (Betula pendula), Ash (Fraxinus excelsior), Hazel (Corylus avellana) and Goat Willow (Salix caprea)	Up to 15	Single and multi	0.2 (avg)	3	3	3	3	2	Middle aged	Fair	Linear woodland containing trees of generally reasonable form. Many specimens of Ash exhibit symptoms of Ash die-back disease.	Remove diseased Ash trees	20-40	B
G22	-	Group of Alder (Alnus glutinosa), Ash (Fraxinus excelsior) and Oak (Quercus robur)	Up to 18	Single and multi	0.3 (avg)	3	3	3	3	1	Middle aged	Fair	Woodland edge trees of generally reasonable form. Some evidence of die-back in upper crowns of Alder and Ash.	Monitor for health	>40	B
T23	1546	Oak (Quercus robur)	19	Single	0.8	10	9	9	10	3	Mature	Good	Woodland edge tree of good form	No action required at this time	>40	A

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						N	E	S	W							
T24	1547	Oak (Quercus robur)	12	Single	0.54	3	3	6	5	4	Mature	Poor	Tree of variable form severely infected with decay fungus that is likely to lead to failure in the foreseeable future	Remove	<10	U
T25	242	Oak (Quercus robur)	21	Single	1.08	8	9	13	11	3	Mature	Fair	Woodland tree of good form with large collapsed branch on southern side of main stem	No action required at this time	>40	B
T26	243	Oak (Quercus robur)	19	Single	0.89	8	10	11	12	2	Mature	Good	Woodland tree of good form. Some deadwood extending over path.	Prune to remove major deadwood extending over path	>40	A
T27	244	Oak (Quercus robur)	10	Single	0.5	1	4	4	2	2	Mature	Poor	Tree of poor form that has suffered significant die-back throughout crown	Remove	<10	U
T28	245	Oak (Quercus robur)	19	Multi	1.1	9	9	4	10	2	Mature	Fair	Twin stemmed specimen of variable form	No action required at this time	>40	B
T29	246	Oak (Quercus robur)	16	Single	0.73	8	6	3	3	5	Middle aged	Fair	Tree of variable form with cavity on west side of main stem	Monitor for safety	10-20	C
T30	247	Oak (Quercus robur)	10	Single	0.62	9	9	7	8	6	Mature	Fair	Woodland tree of reasonable form	No action required at this time	>40	B
T31	248	Oak (Quercus robur)	13	Single	0.5	6	7	3	3	1	Middle aged	Fair to poor	Scrubby specimen with asymmetrical crown. Evidence of die-back of foliage within crown.	Monitor for health	10-20	C

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						N	E	S	W							
T32	249	Oak (Quercus robur)	13	Single	0.62	7	5	4	7	4	Middle aged	Fair	Scrubby specimen with evidence of slight thinning of foliage within crown	Monitor for health	20-40	C
T33	250	Oak (Quercus robur)	23	Single	0.93	11	7	14	13	5	Mature	Fair	Tree of good form. Evidence of significant Ganoderma infection at base of main stem.	Monitor for safety	10-20	C
T34	251	Oak (Quercus robur)	23	Single	0.81	12	9	7	5	4	Mature	Fair to poor	Tree of reasonable form. Significant decay at base of main stem extending from ground level to 2m.	Monitor for safety	10-20	C
T35	252	Oak (Quercus robur)	23	Single	0.94	5	8	14	14	4	Mature	Fair	Tree of reasonable form with crown more heavily developed on south-western side. Evidence of minor decay on north-eastern side of main stem.	Monitor for health	20-40	B
T36	253	Oak (Quercus robur)	22	Single	0.98	12	11	12	6	5	Mature	Good	Tree of good form. Historical wound at base of main stem with associated internal decay.	Monitor for safety	20-40	B

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						N	E	S	W							
G37	-	Group of Goat Willow (Salix caprea), Birch (Betula pendula), Oak (Quercus robur), Alder (Alnus glutinosa), Rowan (Sorbus aucuparia), Cherry (Prunus spp), Lime (Tilia europaea) and Hazel (Corylus avellana)	Up to 12	Single and multi	0.15 (avg)	2	2	2	2	1	Young	Fair to poor	Scrubby specimens forming dense woodland. Trees of generally variable form with squirrel damage evident to some specimens.	No action required at this time	10-20	C
T38	239	Alder (Alnus glutinosa)	13	Single	0.24	2	2	3	1	2	Middle aged	Fair to poor	Scrubby specimen with evidence of die-back in upper crown	Monitor for health	10-20	C

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						N	E	S	W							
T39	-	Oak (Quercus robur)	12	Single	0.68	6	8	6	7	3	Mature	Fair to poor	Scrubby specimen with evidence of thinning and die-back throughout crown	Monitor for health	10-20	C
T40	241	Alder (Alnus glutinosa)	13	Single	0.26	4	4	4	4	2	Middle aged	Fair to poor	Scrubby specimen of variable form with evidence of thinning of foliage in upper crown	Monitor for health	10-20	C
T41	1548	Oak (Quercus robur)	18	Multi	1.1	10	9	8	8	2	Mature	Fair	Woodland tree of reasonable form. Some storm damage to lateral limb extending to the north.	Monitor for safety	>40	B
T42	1550	Oak (Quercus robur)	18	Single	0.7	7	11	9	6	3	Mature	Fair	Tree of reasonable form	No action required at this time	>40	B
T43	1549	Oak (Quercus robur)	19	Single	1.05	11	8	10	12	3	Mature	Good	Tree of good form. Mechanical wound at base of tree on western side. Some deadwood extending over adjacent track.	Prune to remove deadwood over track	>40	A
T44	1552	Oak (Quercus robur)	19	Single	1.06	6	8	7	9	3	Mature	Fair to poor	Woodland tree with evidence of significant thinning and die-back throughout crown. This specimen appears to be in a declining condition.	Monitor for health	10-20	C

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						N	E	S	W							
T45	1551	Oak (Quercus robur)	17	Single	1.2	9	10	10	9	4	Mature	Fair	Tree of reasonable form with large cavity on north and west side of main stem. Extensive deadwood throughout crown. Some storm damage.	Monitor for safety	20-40	B
T46	1553	Oak (Quercus robur)	11	Single	0.52	7	7	7	6	2	Middle aged	Fair	Scrubby specimen with evidence of thinning of foliage within crown	Monitor for health	20-40	C
T47	1554	Cherry (Prunus spp)	16	Single	0.31	5	5	6	6	5	Middle aged	Fair	Woodland tree of reasonable form	No action required at this time	20-40	B
T48	1555	Birch (Betula pendula)	12	Single	0.54	6	7	5	7	3	Mature	Poor	Significant fungal decay on main stem	Remove	<10	U
T49	1556	Alder (Alnus glutinosa)	10	Multi	0.75	4	7	6	7	1	Mature	Poor	Multi stemmed specimen of poor form that has partially collapsed	Remove	<10	U

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						N	E	S	W							
G50	-	Group of Birch (Betula pendula), Goat Willow (Salix caprea), Oak (Quercus robur), Alder (Alnus glutinosa), Hazel (Corylus avellana) and Ash (Fraxinus excelsior)	Up to 17	Single and multi	0.2 (avg)	3	3	3	3	1	Middle aged	Fair	Scrubby specimens forming dense woodland	No action required at this time	20-40	C
T51	1545	Birch (Betula pendula)	12	Single	0.54	6	4	7	4	4	Mature	Poor	This specimen is severely infected with fungal decay within main stem and unsafe for retention	Remove	<10	U
T52	-	Oak (Quercus robur)	10	Single	0.56	4	2	6	3	2	Mature	Fair to poor	Tree of variable form leaning to the south. Extensive die-back in upper crown.	Monitor for health	10-20	C

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						N	E	S	W							
T53	-	Oak (Quercus robur)	11	Single	0.42	5	3	3	4	3	Middle aged	Fair to poor	Woodland tree of variable form and evidence of die-back in upper crown	Monitor for health	10-20	C
T54	1542	Oak (Quercus robur)	20	Single	0.9	9	8	8	9	3	Mature	Good	Woodland tree of good form. Dense vegetation at base prevents full inspections.	No action required at this time	>40	A
T55	1541	Oak (Quercus robur)	17	Single	0.69	6	8	6	9	2	Mature	Good	Woodland tree of reasonable form with some deadwood within crown	No action required at this time	>40	B
T56	1540	Sycamore (Acer pseudo-platanus)	14	Single	0.44	6	3	4	4	3	Middle aged	Fair	Tree of reasonable form with some die-back of foliage in upper crown	Monitor for health	10-20	C
T57	1539	Oak (Quercus robur)	18	Single	0.97	8	7	7	8	2	Mature	Fair	Woodland tree of reasonable form. Extensive accumulation of deadwood particularly on southern side of crown	No action required at this time	>40	B
T58	1543	Goat Willow (Salix caprea)	14	Multi	0.5	4	7	8	6	5	Middle aged	Poor	Multi stemmed specimen with significant basal inclusions that are likely to lead to structural failure in the future	Remove	<10	U

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						N	E	S	W							
T59	1583	Oak (Quercus robur)	13	Single	0.75	7	7	9	7	4	Mature	Poor	This specimen is in a declining condition due to significant fungal infection	Remove	<10	U
T60	1580	Alder (Alder glutinosa)	13	Multi	0.8	2	7	7	6	2	Mature	Fair	Twin stemmed specimen of variable form with root disturbance on northern side of main stem	Monitor for health	20-40	B
T61	1581	Alder (Alnus glutinosa)	14	Multi	0.8	6	2	7	6	3	Mature	Fair	Twin stemmed specimen of reasonable form with some root disturbance on northern side of main stem	Monitor for health	20-40	C
T62	1582	Alder (Alnus glutinosa)	13	Multi	1	10	11	8	8	2	Mature	Fair to poor	Twin stemmed specimen of variable form with snapped branch extending over adjacent bike trail	Remove snapped branch	10-20	C
T63	1584	Alder (Alnus glutinosa)	9	Multi	0.6	6	6	5	5	2	Mature	Fair to poor	Tree of variable form with die-back throughout associated with root disturbance	Monitor for health	10-20	C
T64	1535	Ash (Fraxinus excelsior)	15	Single	0.37	4	4	5	4	2	Middle aged	Poor	This specimen is significantly infected with Ash die-back disease	Remove	<10	U

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						N	E	S	W							
T65	1536	Goat Willow (Salix caprea)	12	Multi	0.5	6	6	6	2	4	Middle aged	Fair to poor	Scrubby specimen of variable form	Monitor for safety	10-20	C
T66	1532	Alder (Alnus glutinosa)	9	Single	0.5	4	3	4	3	4	Mature	Poor	Tree of poor form in a significantly deteriorating condition	Remove	<10	U
T67	1531	Alder (Alnus glutinosa)	16	Single	0.56	3	5	4	5	2	Mature	Fair to poor	Isolated tree with evidence of thinning and die-back of crown	Monitor for safety	10-20	C
T68	1530	DEAD												Remove		U
T69	-	Alder (Alnus glutinosa)	15	Single	0.43	8	3	3	6	3	Mature	Poor	Isolated specimen with significant die-back throughout crown	Remove	<10	U
G70	-	Group of Alder (Alnus glutinosa) and Birch (Betula pendula)	Up to 16	Single and multi	0.4 (avg)	5	5	5	5	2	Mature	Fair	Trees of generally reasonable form	No action required at this time	20-40	B
G71	-	Group of Alder (Alnus glutinosa)	12	Single and multi	0.3	3	3	3	3	2	Middle aged	Fair to poor	Trees of generally variable form with evidence of thinning and die-back throughout crowns, possibly associated with disturbance of root protection area.	Monitor for health	10-20	C

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						N	E	S	W							
T72	1533	Alder (Alnus glutinosa)	8	Multi	0.4	4	6	3	4	2	Middle aged	Fair to poor	Scrubby specimen with evidence of slight thinning of foliage within crown	Monitor for health	10-20	C
T73	-	Birch (Betula pendula)	18	Single	0.74	8	9	8	9	2	Mature	Poor	This specimen is now moribund and unsafe for retention	Remove	<10	U
G74	1585 to 1600	Group of Alder (Alnus glutinosa), Oak (Quercus robur), Goat Willow (Salix caprea) and Birch (Betula pendula)	Up to 17	Single and multi	0.25 (avg)	3	3	3	3	1	Middle aged	Fair	Trees of reasonable form creating small copse	No action required at this time	20-40	B
T75	1574	Alder (Alnus glutinosa)	8	Single	0.23	4	5	5	2	4	Young	Fair	Tree of reasonable form	No action required at this time	10-20	C
T76	1573	Alder (Alnus glutinosa)	11	Single	0.51	6	2	5	4	3	Mature	Fair	Isolated tree of variable form with broken branch stubs in lower crown	Monitor for health	10-20	C

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						N	E	S	W							
T77	1567	Oak (Quercus robur)	19	Single	0.72	7	8	8	8	2	Mature	Fair	Notable specimen of reasonable form. Some deadwood within crown.	No action required at this time	>40	B
T78	1568	Ash (Fraxinus excelsior)	15	Single	0.37	5	4	3	5	5	Middle aged	Poor	This specimen is severely infected with Ash die-back disease	Remove	<10	U
T79	1569	Downy Birch (Betula pubescens)	12	Single	0.36	1	1	5	4	3	Middle aged	Fair to poor	Scrubby specimen with evidence of thinning of foliage throughout crown	Monitor for health	10-20	C
T80	1570	Sweet Chestnut (Castanea sativa)	14	Single	0.54	7	4	8	9	4	Middle aged	Good	Woodland tree of reasonable form	No action required at this time	>40	B
T81	1572	Oak (Quercus robur)	18	Single	0.9	10	9	10	9	3	Mature	Good	Woodland edge tree of good form	No action required at this time	>40	A

Tree No.	Tree Tag No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)	Branch Spread(m)				Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
						N	E	S	W							
G82	-	Group of Birch (Betula pendula), Oak (Quercus robur), Ash (Fraxinus excelsior), Goat Willow (Salix caprea), Hazel (Corylus avellana) and Rowan (Sorbus aucuparia)	Up to 17	Single and multi	0.3 (avg)	3	3	3	3	1	Middle aged	Fair	Trees of reasonable form creating dense woodland	No action required at this time	>40	B
T83	1575	Goat Willow (Salix caprea)	18	Multi	0.75	9	8	8	8	4	Mature	Poor	Twin stemmed specimen with severely included basal fork that is liable to failure in the foreseeable future	Remove	<10	U
T84	1576	Downy Birch (Betula pubescens)	15	Single	0.48	4	6	5	5	4	Mature	Poor	Tree of variable form with evidence of significant internal decay. This specimen represents a potential hazard in relation to access road.	Remove	<10	U

Tree No.	Tree Tag No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)	Branch Spread(m)				Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
						N	E	S	W							
T85	1558	Oak (Quercus robur)	12	Single	0.8	7	7	9	6	2	Mature	Fair	Scrubby specimen with extensive deadwood throughout crown	Prune to remove major deadwood extending over car park area	20-40	C
G86	-	Group of Birch (Betula pendula) and Goat Willow (Salix caprea)	Up to 16	Single and multi	0.2 (avg)	2	2	2	2	2	Middle aged	Fair to poor	Scrubby specimens forming dense woodland area	No action required at this time	10-20	C
T87	-	Birch (Betula pendula)	17	Single	0.46	10	7	7	9	3	Mature	Fair to poor	Notable specimen sited within field. Evidence of minor basal decay. Evidence of slight thinning of foliage in upper crown.	Monitor for safety	10-20	C
G88	-	Group of Birch (Betula pendula)	Up to 17	Single and multi	0.3 (avg)	5	5	5	5	2	Middle aged	Fair	Individual specimens sited adjacent to watercourse in field	No action required at this time	20-40	B

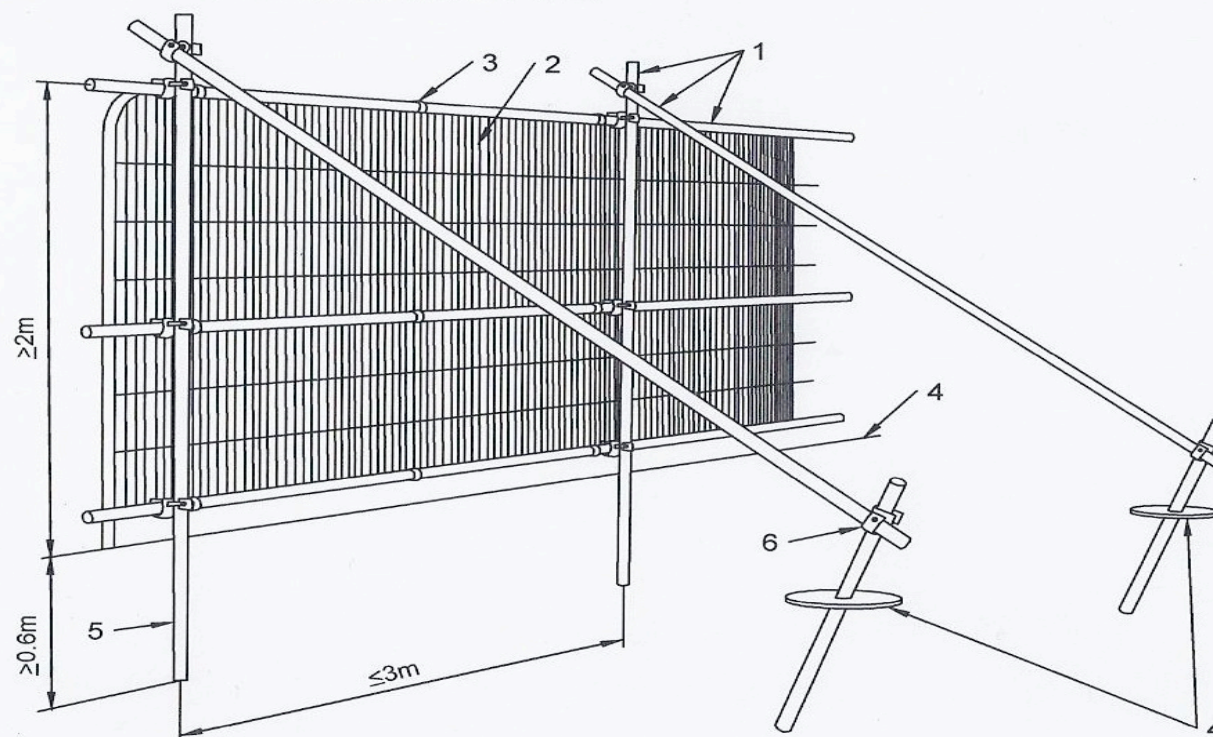
Tree No.	Tree Tag No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)	Branch Spread(m)				Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
						N	E	S	W							
G89	-	Group of Rowan (Sorbus aucuparia), Holly (Ilex aquifolium), Hawthorn (Crataegus monogyna), Birch (Betula pendula), and Apple (Malus spp)	Up to 15	Single and multi	0.3 (avg)	3	3	3	3	0	Middle aged	Fair to poor	Scrubby specimens located adjacent to watercourse in field	Monitor for health	10-20	C
T90	1565	Oak (Quercus robur)	16	Single	0.88	9	10	8	9	5	Mature	Good	Notable woodland tree of reasonable form with some minor deadwood within crown	No action required at this time	>40	A
T91	1566	Oak (Quercus robur)	14	Single	0.79	10	8	3	6	3	Mature	Poor	Tree of variable form with significant thinning of foliage throughout crown. Large cavity at base of main stem on north side of the tree with associated internal decay.	Remove	<10	U
T92	-	Oak (Quercus robur)	19	Single	1.2	12	9	14	12	3	Mature	Good	Notable specimen standing adjacent to watercourse in field	No action required at this time	>40	A

Tree No.	Tree Tag No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)	Branch Spread(m)				Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
						N	E	S	W							
T93	1571	Oak (Quercus robur)	14	Single	1.2	8	10	10	8	5	Mature	Good	Notable woodland tree of good up-right form	No action required at this time	>40	A
G94	-	Group of Holly (Ilex aquifolium), Birch (Betula pendula) and Alder (Alnus glutinosa)	Up to 15	Single and multi	0.2 (avg)	3	3	3	3	1	Middle aged	Fair to poor	Scrubby specimens located adjacent to watercourse in field. Some trees are dead or dying.	Remove dead and dying specimens	10-20	C
T95	-	Oak (Quercus robur)	20	Multi	1	11	10	11	9	2	Mature	Good	Twin stemmed woodland edge specimen of good form	No action required at this time	>40	A

Recommendations for Tree Protection during Development

Due to the high risk to established trees we would recommend the installation of protective fencing prior to commencement of **any** works on site in accordance with BS 5837:2012 “Trees in relation to Construction”. Trees should be protected using scaffold frame supporting weld mesh panel fencing sited on the edge of the Root Protection Area as defined in BS5837:2012. These fenced areas should not be used for the storage of any plant machinery or materials and personnel should be excluded at all times; these fences should remain in situ until after final landscaping has been carried out, removed by hand with great care to prevent compaction or root damage to established trees. The services of a suitably qualified arborist should be sought **prior** to the commencement of each stage.

Figure 2 Default specification for protective barrier



Key

- 1 Standard scaffold poles
- 2 Heavy gauge 2m tall galvanized tube and welded mesh infill panels
- 3 Panels secured to uprights and cross-members with wire ties
- 4 Ground level
- 5 Uprights driven into the ground until secure (minimum depth 0.6m)
- 6 Standard scaffold clamps