

TREE REPORT



***Land at Llanfoist
Abergavenny
Monmouthshire
NP7 9LQ***

***Pre – Development BS5837
TREE SURVEY***

June 2020

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TREE SURVEY DETAILS TABLE

Tree Tag No.	Species	Height (m)	Calculated Stem diameter (mm)	Height crown clearance / (m)	Age Class	Branch spread (m)				Vitality	Structural condition notes	Recommended Works	Est remain years	Category grading	RPA radius (m)
						N	S	E	W						
Gp 1	Norway Maple x 2 Ash	8	130	2.0	Y	2.0	2.0	2.0	2.0	GOOD	<ul style="list-style-type: none"> • Triangular group of young trees • One still has post and tree tie attached • No other visible external defects 	Would have to be removed to facilitate development	40	B2	1.6
1	Ash	18	1239	2.0	OM	6.0	8.0	8.0	7.0	GOOD	<ul style="list-style-type: none"> • Old hedgerow tree • Multi-stemmed x 15 • Ivy growth on most stems • Dense brambles around base • No access to West side of tree due to school boundary fence • No other visible external defects 	No works required	20	A1	14.9
2	Hazel x 2	6	316	0.5	OM	3.0	3.0	3.0	3.0	GOOD	<ul style="list-style-type: none"> • Old coppice stools • Multi-stemmed • Ivy growth to upper crowns • No other visible external defects 	No works required	20	B2	3.8
3	Hawthorn	5	316	0.5	M	2.0	2.0	2.0	2.0	FAIR	<ul style="list-style-type: none"> • Multi-stemmed x 10 • Stem at West side has snapped out • Elder shrub growing at base • No other visible external defects 	Would have to be removed to facilitate development	20	C1	3.8
4	Ash	10	400	1.0	OM	7.0	7.0	2.0	7.0	POOR	<ul style="list-style-type: none"> • Old hedgerow laid tree • Banana shaped trunk with 2 upright stems to North and South • Centre stem has decayed away in past leaving a cavity • 2 old fungal fruiting bodies of <i>Ganoderma</i> at base E and one to S • T5 growing at base of trunk East • No other visible external defects 	Would have to be removed to facilitate development	20	C1	4.8

Tree Tag No.	Species	Height (m)	Calculated Stem diameter (mm)	Height crown clearance / (m)	Age Class	Branch spread (m)				Vitality	Structural condition notes	Recommended Works	Est remain years	Category grading	RPA radius (m)
						N	S	E	W						
5	Hawthorn	6	320	1.0	OM	3.0	4.0	4.0	2.0	GOOD	<ul style="list-style-type: none"> Growing at base of T4 Co-dominant stems from fork at 1.5m No other visible external defects 	Would have to be removed to facilitate development	20	B2	3.8
6	Hawthorn	4	280	0.5	OM	0.0	3.0	2.0	2.0	POOR	<ul style="list-style-type: none"> Overshadowed and suppressed by T4 to North Trunk leaning at 45° angle to South Dense Ivy growth throughout crown Cavity through base from N to S No other visible external defects 	Would have to be removed to facilitate development	10	C1	3.4
H1	Hazel Hawthorn	8 (av)	581	0.5	OM	2.0	6.0	3.0	3.0	FAIR	<ul style="list-style-type: none"> Old boundary hedgerow with large areas of brambles in places Some individual trees, most multi-stemmed / re-grown coppice No other visible external defects 	No works required	20	B2	7.0
7	Elm	10	330	E-1.2	Mi	3.0	2.0	5.0	1.0	FAIR	<ul style="list-style-type: none"> Severely overshadowed and suppressed by T8 to West Trunk and crown leaning at 40° angle out to East Old surface wound on lower trunk S No other visible external defects 	No works required	10	C1	4.0
8	Sycamore	16	660	3.0	M	5.0	7.0	5.0	5.0	GOOD	<ul style="list-style-type: none"> Wire embedded in trunk South Ivy growth to mid crown No other visible external defects 	No works required	20	B1	7.9
9	Sycamore	12	490	3.0	M	4.0	7.0	6.0	7.0	POOR	<ul style="list-style-type: none"> Twin stemmed from 0.5m West stem smaller and leaning at 45° angle out to West Middle crown centre East stem has died and snapped off at 7m Die back throughout rest of E crown 2 old surface wounds lower trunk S No other visible external defects 	No works required	10	C1	5.9

Tree Tag No.	Species	Height (m)	Calculated Stem diameter (mm)	Height crown clearance / (m)	Age Class	Branch spread (m)				Vitality	Structural condition notes	Recommended Works	Est remain years	Category grading	RPA radius (m)
						N	S	E	W						
10	Oak	20	800	2.0	M	7.0	9.0	9.0	7.0	FAIR	<ul style="list-style-type: none"> • Located off site – no access to base • Broad dome shaped crown • Minor die back to mid and upper crown North • Medium sized dead wood in lower middle crown • No other visible external defects 	No works required	20	B1	9.6
11	Holly	8	294	0.5	M	3.0	3.0	3.0	3.0	GOOD	<ul style="list-style-type: none"> • Multi-stemmed x 5 • Dense brambles around base • No other visible external defects 	No works required	10	C1	3.5
12	Sycamore	20	500	1.5	M	7.0	8.0	8.0	7.0	GOOD	<ul style="list-style-type: none"> • 3 co-dominant stems from base • Ivy growth to upper crown of mid stem • Epicormic shoots around base • No other visible external defects 	No works required	20	B1	6.0
13	Sycamore	10	582	0.5	M	4.0	5.0	5.0	4.0	FAIR	<ul style="list-style-type: none"> • Old laid hedgerow tree • Multi-stemmed x 7 from 1m • Epicormic shoots around base • No other visible external defects 	No works required	20	C1	7.0
14	Sycamore	16	500	N-1.5	OM	6.0	8.0	2.0	7.0	GOOD	<ul style="list-style-type: none"> • Old laid hedgerow tree • Multi-stemmed x 5 from 1m • Epicormic shoots around base • No other visible external defects 	No works required	20	B1	6.0
15	Sycamore	16	500	N-1.5	OM	6.0	8.0	7.0	2.0	GOOD	<ul style="list-style-type: none"> • Old laid hedgerow tree • Multi-stemmed x 3 from 1m • Epicormic shoots around base • No other visible external defects 	No works required	20	B1	6.0
16	Hazel x 2	12	402	0.5	V	3.0	3.0	3.0	3.0	GOOD	<ul style="list-style-type: none"> • Old coppice stools – both multi-stemmed x 20 • No other visible external defects 	No works required	20	A2	4.8

Tree Tag No.	Species	Height (m)	Calculated Stem diameter (mm)	Height crown clearance / (m)	Age Class	Branch spread (m)				Vitality	Structural condition notes	Recommended Works	Est remain years	Category grading	RPA radius (m)
						N	S	E	W						
17	Oak	16	1250	2.0	V	8.0	10.0	8.0	10.0	FAIR	<ul style="list-style-type: none"> • Old pollard with re-growth from 3m • Has been re-pollarded in past at 5m • No. of small cavities visible at old pollard points at 5m East – potential bat roost sites • Epicormic shoots on lower main branches and on trunk • No other visible external defects 	No works required	40	A1	15.0
Gp 2	Hazel x 4	10	569	1.5	OM	3.0	6.0	6.0	4.0	GOOD	<ul style="list-style-type: none"> • Single line of 4 closely spaced old hedgerow coppice stools • All multi-stemmed • Livestock grazing damage to bark on larger stems • No other visible external defects 	No works required	20	B3	6.8
18	Oak	12	330	2.0	Y	2.0	7.0	7.0	6.0	GOOD	<ul style="list-style-type: none"> • Lower crown N suppressed by Gp 2 • Located at North end of H2 • No other visible external defects 	No works required	40	A1	4.0
19	Oak	12	520	2.0	Mi	5.0	6.0	6.0	5.0	FAIR / POOR	<ul style="list-style-type: none"> • Water filled ditch at base to SE • Ivy growth to mid crown • Extensive die back to upper crown • Epicormic shoots on all main limbs • No other visible external defects 	No works required	10	C1	6.2
20	Goat Willow	8	735	0.5	OM	4.0	4.0	4.0	4.0	FAIR	<ul style="list-style-type: none"> • Multi-stemmed x 8 • Pond / waterlogged area around base • Some stems fallen and lying in water • Dieback to lower inner crown • No other visible external defects 	No works required	<10	C1	8.8
21	Oak	8	200	2.0	Y	3.0	3.0	3.0	3.0	FAIR	<ul style="list-style-type: none"> • Water filled ditch at base East • Die back to upper and mid crown • Dense Ivy growth to mid crown centre • No other visible external defects 	No works required	20	C1	2.4

Tree Tag No.	Species	Height (m)	Calculated Stem diameter (mm)	Height crown clearance / (m)	Age Class	Branch spread (m)				Vitality	Structural condition notes	Recommended Works	Est remain years	Category grading	RPA radius (m)
						N	S	E	W						
22	Oak	20	600	n/a	M	n/a	n/a	n/a	n/a	DEAD	<ul style="list-style-type: none"> Extensive die back to crown – 90% of crown has died Tree has recently fallen over to East 	No works required	0	U	7.2
23	Oak	10	460	2.0	Y	6.0	6.0	6.0	6.0	GOOD	<ul style="list-style-type: none"> Water filled ditch at base East Even crown spread to all sides Fine example of young Oak No other visible external defects 	No works required	40	A1	5.5
24	Oak	10	390	2.0	Y	5.0	5.0	5.0	5.0	GOOD	<ul style="list-style-type: none"> Water filled ditch at base West Even crown spread to all sides Fine example of young Oak No other visible external defects 	No works required	40	A1	4.7
25	Goat Willow	8	400	0.0	OM	3.0	3.0	3.0	3.0	FAIR	<ul style="list-style-type: none"> In waterlogged area – no access Has partially fallen to East Crown returned to vertical and epicormic shoots around base No other visible external defects 	No works required	10	C1	4.8
26	Oak	14	420	2.0	Mi	5.0	5.0	3.0	5.0	GOOD	<ul style="list-style-type: none"> On top edge of steep bank Water filled ditch at base SE Concrete support for overhead pipe at base to North 0.5m Medium dead wood in lower crown No other visible external defects 	No works required	40	A1	5.0
27	White Willow	16	490	0.0	Mi	2.0	5.0	0.0	5.0	POOR	<ul style="list-style-type: none"> Suppressed and overshadowed to East by T28 Leaning at 20° angle to West Lateral end weighted limb lower crown West has hazard beam split and hung up on T26 No other visible external defects 	No works required	10	C1	5.9

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						N	S	E	W						
28	White Willow	18	424	3.0	Mi	1.0	5.0	3.0	3.0	FAIR	<ul style="list-style-type: none"> • Twin stemmed from base • Suppressed to North by T29 • 2 old vertical surface wounds on both stems North from 0m – 2m • No other visible external defects 	No works required	10	C1	5.1
29	White Willow	18	453	2.0	Mi	4.0	3.0	3.0	4.0	FAIR	<ul style="list-style-type: none"> • Twin stemmed, co-dominant • Both fork again at 1.2m • Water filled ditch at base West • Ivy growth to mid crown N stem • 2 limbs lower crown broken / hung up • No other visible external defects 	No works required	10	C1	5.4
30	Sycamore	11	400	1.5	Mi	5.0	2.0	4.0	5.0	FAIR	<ul style="list-style-type: none"> • Water filled ditch at base North • Suppressed and over-shadowed to South by T29 • Ivy growth to mid crown • No other visible external defects 	No works required	10	C1	4.8
31	White Willow	22	721	2.0	M	6.0	8.0	8.0	6.0	GOOD	<ul style="list-style-type: none"> • Twin stemmed • Co-dominant from 0.5m • Pond / waterlogged area at base NW • Epicormic shoots on all main limbs • No other visible external defects 	No works required	20	B2	8.7
32	White Willow	14	700	2.0	OM	7.0	7.0	7.0	7.0	FAIR	<ul style="list-style-type: none"> • Multi-stemmed x 8 from branch / trunk union at 1.2m • Minor dead wood lower crown • Old surface wound lower trunk North • No other visible external defects 	No works required	20	B1	8.4
33	Weeping Willow	14	420	0.5	M	5.0	5.0	5.0	5.0	GOOD	<ul style="list-style-type: none"> • Co-dominant twin stems from 2m • Lower crown East slightly suppressed by Woodland 1 • No other visible external defects 	No works required	20	B1	5.0

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						N	S	E	W						
W 1	Oak Ash Hazel Hawthorn Goat Willow Bramble	4 to 10	250	0.5	Y Mi	10	n/a	n/a	n/a	GOOD	<ul style="list-style-type: none"> Young mixed species woodland Linear woodland following slope of old landfill site Some multi-stemmed Dense bramble undergrowth in places Minor dead wood No other visible external defects 	No works required	40	B3	3.0
H2	Hawthorn Blackthorn	8 (av)	120	0.5	Mi M	3.0	3.0	5.0	4.0	GOOD	<ul style="list-style-type: none"> Old hedgerow - single line of mature trees closely spaced Some are multi-stemmed Dense brambles with hedge in places No other visible external defects 	No works required	20 to 40	B3	1.4
H3	Sycamore Hazel Hawthorn	10 (av)	220	1.5	M	3.0	3.0	5.0	5.0	GOOD	<ul style="list-style-type: none"> Old hedgerow - single line of mature trees closely spaced Some are multi-stemmed Dense brambles with hedge in places No other visible external defects 	No works required	20 to 40	A2	2.6
H4	Sycamore Ash Hawthorn Hazel Oak Blackthorn Holly	8 to 12	380	1.5	Mi M	6.0	5.0	4.0	3.0	GOOD	<ul style="list-style-type: none"> Old hedgerow - single line of mature trees closely spaced Some are multi-stemmed Dense brambles with hedge in places Livestock grazing damage to bark of larger stems No other visible external defects 	No works required	20 to 40	A2	4.6
34	White Willow	12	420	N-0.5	M	8.0	8.0	6.0	6.0	GOOD	<ul style="list-style-type: none"> Located on boundary line Very dense brambles around base Low hanging crown edge to North Co-dominant stems from fork at 2m No other visible external defects 	No works required	20	B1	5.0

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						N	S	E	W						
Gp 3	Cypress Ash, Oak Goat Willow Hawthorn Hazel Sycamore	16 to 20	500	2.0	Mi M	8.0	8.0	6.0	6.0	GOOD	<ul style="list-style-type: none"> Dense linear group just over boundary Dense areas of bramble along group Some Hazel are old coppice stools with multi-stem re-growth No other visible external defects 	No works required	40	A2	6.0
35	Silver Birch x 2	16	220	2.0	Mi	3.0	4.0	4.0	3.0	GOOD	<ul style="list-style-type: none"> 2 closely spaced trees forming one inter-dependent crown shape NW tree co-dominant from fork at 1m SE tree dominant On boundary line with dense Bramble growth around base No other visible external defects 	No works required	20	B2	2.6
Gp 4	Ash Sycamore Hawthorn Bramble	18 (av)	500	2.0	Mi M	8.0	8.0	6.0	6.0	GOOD	<ul style="list-style-type: none"> Dense linear group just over fence Minor Ash Dieback visible on 2 of the younger Ash trees Upright form suppressing each other Dense areas of bramble along group No other visible external defects 	No works required	40	A2	6.0
36	Ash	18	1200	4.0	V	5.0	4.0	3.0	3.0	FAIR	<ul style="list-style-type: none"> Bat roost potential Has been topped off at 6m in past Large re-growth present upright form 3 very large cavities at top of trunk with associated visible decay behind base of re-grown branches Crown overshadowed and suppressed to South – growing out to North Broad surface buttress roots with fungal fruiting bodies of <i>Ganoderma</i> old and new present at base of trunk N and SE and at 1m on trunk N Very large old tear wound to upper trunk South at 3m 	Retain as important biodiversity habitat Would benefit from being topped off at 7m to prevent failure of re-growth	20	A3	14.4

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						N	S	E	W						
37	Sycamore	18	800	N-2	OM	6.0	4.0	4.0	4.0	FAIR	<ul style="list-style-type: none"> Was topped off at 2m and 4m a long time ago – substantial re-growth now forming main branch framework Slightly suppressed to E, W and S No other visible external defects 	No works required	20	B1	9.6
38	Ash	25	710	N-0.5	M	7.0	9.0	5.0	4.0	FAIR	<ul style="list-style-type: none"> Suppressed to West by T37 3 co-dominant stems at fork at 3m Lowest limb NE broken and hanging down with end resting on ground Dead Hawthorn at 2m East from base No other visible external defects 	No works required	20	B1	8.5
39	Ash	25	1250	N-0	V	12.0	12.0	8.0	6.0	GOOD	<ul style="list-style-type: none"> Old hedgerow Veteran tree Multi-stemmed x 7 from 1m Stems co-dominant, West and East-most stems leaning at 45° angle Smallest stem North has a hazard beam split half way along length Slightly suppressed to W by T38 Some large dead wood in crown Small branch tear wounds with cavities visible in mid crown Lateral end weight loaded limb mid crown North Barbed wire embedded through lower trunk North No other visible external defects 	No works required	40	A3	15.0
40	Ash	25	1100	N-1	OM	9.0	10.0	10.0	5.0	GOOD	<ul style="list-style-type: none"> 3 co-dominant stems from branch / trunk union at 3m Broad flaring buttress roots Old vertical tear wound mid trunk N with woodpecker hole in centre Bat roost potential No other visible external defects 	No works required	40	A1	13.2

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						N	S	E	W						
41	Sycamore	25	1100	2.0	OM	7.0	2.0	8.0	8.0	GOOD	<ul style="list-style-type: none"> • Old pollard that was topped off at 3m long ago – 4 very large mature re-growth stems now form crown • Entire South side of trunk torn away in past – visible decay covering this side of trunk remains • 3 old crumbling fungal fruiting brackets of <i>Rigidoporous ulmarius</i> in centre of decay mid trunk South • Old fungal fruiting bodies of <i>Kretzschmaria deusta</i> at base South • No other visible external defects 	No works required Retain Valuable standing dead wood habitat	20 to 40	B3	13.2
42	Ash	16	520	N-1	M	5.0	3.0	5.0	4.0	FAIR	<ul style="list-style-type: none"> • Has been topped off at 5m in the past • 6 co-dominant re-growth stems from branch / trunk union point • Canker present on some stems • Minor Ash Dieback symptoms visible in upper outer crown North • Small cavity at base West • No other visible external defects 	No works required	20	C1	6.2
43	White Willow	20	1250	N-0	V	10.0	10.0	6.0	8.0	FAIR	<ul style="list-style-type: none"> • Very old Veteran pollard • Trunk is hollow and split into 2 halves • 5 main stems coming off trunk • One stem snapped and fallen to South • 2 other stems split, twisted and fallen to North • Valuable standing and fallen dead wood habitat for site biodiversity • No other visible external defects 	Retain Reduce height of remaining upright stems by half to prevent further stem failure	20 to 40	A3	15.0

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						N	S	E	W						
44	White Willow	20	1200	2.0	OM	7.0	1.0	3.0	1.0	POOR	<ul style="list-style-type: none"> Was twin stemmed at 1.5m – South stem recently snapped off at 6m – lodged in T45 Lowest limb NE split and hung up down to ground 2nd lowest limb NE snapped off in recent past No other visible external defects 	No works required	10 to 20	C1	14.4
45	White Willow	25	1200	2.0	OM	6.0	8.0	6.0	6.0	FAIR	<ul style="list-style-type: none"> Was suppressed to NW by T44 No access to base – dense Brambles Remaining stem upright shape No other visible external defects 	No works required	20	B1	14.4
Gp 5	White Willow x 6 Sycamore	12 (av)	556	W-2	Mi	3.0	3.0	3.0	3.0	FAIR	<ul style="list-style-type: none"> Single line along river bank One multi-stemmed All have lower trunks damaged on river side with surface wounds 2nd tree from East end has upper trunk twisted and fallen to East No other visible external defects 	No works required	20	C2	6.7
Gp 6	White Willow x 13	20 (av)	1250	W-2	M	6.0	8.0	8.0	6.0	FAIR	<ul style="list-style-type: none"> Linear group evenly spaced along river bank Most are single stemmed 4 have smaller lower limbs broken and hanging down into field 2nd tree from East end snapped off at 1m and fallen into field No other visible external defects 	No works required	20 to 40	B2	15.0
Gp 7	Sycamore x 3	16	420	S-1	M	5.0	4.0	4.0	3.0	GOOD	<ul style="list-style-type: none"> Deep ditch at immediate base North Single line of closely spaced trees Narrow upright crowns suppressing each other, suppressed to W by Gp 8 Fencing wire embedded in trunks No other visible external defects 	No works required	20	C2	5.0

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						N	S	E	W						
Gp 8	Ash x 2 Sycamore	18	490	S-0	M	6.0	7.0	3.0	7.0	FAIR	<ul style="list-style-type: none"> • Deep ditch at immediate base North • Centre tree co-dominant stems from 1m – both stems with large old pruning wounds at 2m • Lowest limb South split at 2m from trunk and hanging down to ground • Sycamore at West end suppressed and over-shadowed • No other visible external defects 	No works required	20	C2	5.9
46	Oak	18	1200	2.0	OM	6.0	7.0	6.0	7.0	FAIR / POOR	<ul style="list-style-type: none"> • Deep ditch at immediate base South • Extensive die back throughout crown • Good epicormic growth lower crown • Various small cavities and dead bark throughout crown • No other visible external defects 	Retain No works required Valuable dead wood habitat	20	B3	14.4
47	Alder	10	300	3.0	Mi	3.0	4.0	4.0	3.0	FAIR	<ul style="list-style-type: none"> • Deep ditch at immediate base South • Minor die back in upper crown • Triple stemmed from 1m • No other visible external defects 	No works required	20	C1	3.6
48	Oak	10	320	2.0	Y	4.0	5.0	5.0	4.0	FAIR	<ul style="list-style-type: none"> • Deep ditch at immediate base South • Good rounded dome shaped crown • No other visible external defects 	No works required	40	B1	3.8
49	Oak	10	320	2.0	Y	4.0	5.0	5.0	4.0	FAIR	<ul style="list-style-type: none"> • Deep ditch at immediate base South • Good rounded dome shaped crown • No other visible external defects 	No works required	40	B1	3.8
50	Ash	11	220	2.0	Y	3.0	4.0	4.0	3.0	FAIR	<ul style="list-style-type: none"> • Deep ditch at immediate base South • Minor Ash Dieback symptoms present • No other visible external defects 	No works required	20	C1	2.6
Gp 9	Ash x 3 Hazel x 2 Hawthorn	10 (av)	490	2.0	Mi	3.0	4.0	4.0	3.0	FAIR	<ul style="list-style-type: none"> • Linear group along North edge of deep ditch • Minor Ash Dieback symptoms present • No other visible external defects 	No works required	20	C2	5.9

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						N	S	E	W						
51	White Willow	14	300	2.0	M	2.0	6.0	5.0	5.0	POOR	<ul style="list-style-type: none"> No access to base – dense Brambles Trunk has split in half – North half has fallen and is resting on pipe Remaining half of trunk at 20° lean towards South No other visible external defects 	No works required	<5	C1	3.6
52	Oak	14	500	2.0	Mi	6.0	8.0	8.0	6.0	FAIR	<ul style="list-style-type: none"> No access to base – dense Brambles Has been topped off at 10m in past – good dense re-growth present No other visible external defects 	No works required	40	B1	6.0
53	Alder	10	230	4.0	M	4.0	5.0	5.0	4.0	FAIR	<ul style="list-style-type: none"> On edge of river bank Twin stemmed Minor die back to upper crown Dense Brambles around base No other visible external defects 	No works required	20	C1	2.8
54	White Willow	10	423	2.0	Mi	4.0	5.0	6.0	4.0	GOOD	<ul style="list-style-type: none"> Multi-stemmed x 7 On edge of river bank No other visible external defects 	No works required	20	C1	5.1
55	White Willow	10	392	2.0	Mi	4.0	5.0	6.0	4.0	FAIR	<ul style="list-style-type: none"> Multi-stemmed x 6 On edge of river bank No other visible external defects 	No works required	20	C1	4.7
56	White Willow	10	1250	0.0	V	8.0	10.0	10.0	8.0	FAIR	<ul style="list-style-type: none"> Old Veteran pollard Trunk is hollow and split into segments with visible decay, dead bark, cavities and cracks 3 large stems split and twisted fallen and resting on the ground Large dead wood in lower crown Good upright re-growth along fallen limbs and from all parts of trunk Bat roost potential No other visible external defects 	Retain No works required Valuable dead wood habitat	20 to 40	A3	15.0

Tree Tag No.	Species	Height (m)	Calculated Stem diameter (mm)	Height crown clearance / (m)	Age Class	Branch spread (m)				Vitality	Structural condition notes	Recommended Works	Est remain years	Category grading	RPA radius (m)
						N	S	E	W						
Gp 10	Hazel x 3	8	316	0.5	OM	4.0	5.0	5.0	4.0	GOOD	<ul style="list-style-type: none"> • Old coppice stools • All multi-stemmed, 2 with 30+ stems • Some standing dead stems • Largest is 2m across base • Valuable habitat for site biodiversity • No other visible external defects 	No works required	20 to 40	A3	3.8
57	Field Maple	10	1250	0.5	V	6.0	8.0	10.0	10.0	GOOD	<ul style="list-style-type: none"> • Very old Veteran tree for species • Multi-stemmed x 8 with co-dominant stems from branch/trunk union at 1.2m • Hollow trunk on North side with minor associated decay around edges • Broad spreading low dome shaped crown – minor dead wood lower crown • No other visible external defects 	Retain No works required Valuable dead wood habitat	20 to 40	A3	15.0
Gp 11	Ash x 3 Sycamore Hawthorn	10 (av)	514	3.0	Mi M	4.0	6.0	6.0	4.0	GOOD	<ul style="list-style-type: none"> • Linear group with very dense Bramble thicket along base – no access • East Ash is multi-stemmed x 2 • Crowns suppressing each other • Minor Ash Dieback symptoms to Ash • Tree at SW end of group pruned back from overhead power lines • No other visible external defects 	No works required	20	C2	6.2
Gp 12	Willow Ash	16 (av)	500	2.0	Mi M	7.0	7.0	5.0	5.0	FAIR	<ul style="list-style-type: none"> • Dense Hawthorn and Bramble thicket around base – no access • Minor Ash Dieback symptoms to Ash • Willow has lateral end weight loaded limb lower crown West with old wound and stress rib forming half way along • No other visible external defects 	No works required	20	B2	6.0

Tree Tag No.	Species	Height (m)	Calculated Stem diameter (mm)	Height crown clearance / (m)	Age Class	Branch spread (m)				Vitality	Structural condition notes	Recommended Works	Est remain years	Category grading	RPA radius (m)
						N	S	E	W						
Gp 13	Willow Ash Sycamore Hawthorn	12 (av)	1012	N-0	Mi	6.0	8.0	8.0	6.0	FAIR / POOR	<ul style="list-style-type: none"> • Very dense Bramble growth along base – no access • Most Willows are old pollards at 2m • Many have re-grown stems split out and fallen over • Likely to cavities and splits in some fallen / half fallen stems • Important wildlife corridor and standing dead wood habitat • No other visible external defects 	No works required	10 to 20	B2	12.1

2.0 TREE DETAILS - Explanation of terms

<i>Tree number:</i>	Relates to tree number on attached plan/s	
<i>Species:</i>	Common name of tree	
<i>Height:</i>	Estimated and taken to nearest metre	
<i>Diameter:</i>	Measured at 1.5m above ground level for single or multi-stemmed trees, or at the narrowest point for trees that fork below 1.5m (mm)	
<i>Branch spread:</i>	Measured from the stem to the North, East, South and West (m)	
<i>Crown clearance</i>	Height of canopy clearance above adjacent ground level (m)	
<i>Age class:</i>	Young trees (Y)	age less than $\frac{1}{3}$ life expectancy
	Middle age trees (Mi)	$\frac{1}{3}$ to $\frac{2}{3}$ life expectancy
	Mature trees (M)	over $\frac{2}{3}$ life expectancy
	Over Mature (OM)	over $\frac{2}{3}$ life expectancy and in decline
	Veteran (V)	
<i>Vitality:</i>	Categorised to Good, Fair, Poor or Dead	
<i>Structural Condition:</i>	Description of the tree's condition and whether any decay or physical defects are present	
<i>Estimated remaining Contribution in years:</i>	Categorised to less than 10, 10-20, 20-40, 40+	
<i>Category:</i>	U, or A to C category grading, also recorded on the tree survey plan (See the BS5837 category explanation table at the end of the report).	
<i>RPA radius m:</i>	Root Protection Area given as the radius in metres around as the minimum area required by the tree roots	

(* - It is generally accepted that the majority of a tree's rooting system is within the top 600mm of soil, and as such can be easily damaged or altered by compaction during the construction process. An area known as the Root Protection Area (RPA) is shown around each tree and should be protected for the duration of the on-site construction phase).

2.1 Tree labeling

The trees have not been tagged on site and are labeled as T1 – T57, Gp 1 – Gp 13, H1 – H4 and Woodland 1 on the plans accompanying this report.

3.0 PHOTOGRAPHS – see accompanying separate document

4.0 RECOMMENDATIONS

- 4.1 Any tree defects found are listed in the tree details table (pages 2 – 16). Of the 57 individual trees, 4 hedgerows, 13 groups of trees and one woodland, 18 are listed as category **A**, 28 trees as category **B**, and 28 as category **C**. Based upon **their condition** at the time of the survey one individual tree (T22) is listed as category **U** for removal.
- 4.2 The following plans were provided as a pdf file and CAD drawing; existing site layout topographical drawing (No. MC3479-01, dated Aug 2018) and proposed site layout drawing (No. CTP-19-147-SK01-Rev. B, dated Jan 2020). These form the basis for the attached tree survey plans. The Root Protection Area (RPA) shown on the Tree Constraints Plan is the theoretical **minimum** areas required by a tree of that size. But given that tree roots may not spread out consistently, the root protection area does not necessarily reflect the likely spread of roots on this site.
- 4.3 Although the whole site was surveyed, the development proposals will only affect the Western half of the site. Details for the trees on the Eastern half of the site have been provided to help inform any assessment of the ecological habitats that may be available.
- 4.4 There are a number of very old category A over-mature or veteran trees present (highlighted with pale green in the tree details table) which have the potential to provide bat roosting sites and other important biodiversity and habitat benefits. These trees should be retained and maintained sensitively to ensure they can contribute to the ecology of the site for as long as possible.
- 4.5 A small number of trees would have to be removed to facilitate the development proposals, and these are clearly marked on the tree retention and protection plan. Given the amount of space available around the edges of the site, there is ample room to provide new tree planting as mitigation for those removed.
- 4.6 Any tree surgery works required should be undertaken by a contractor working in accordance with ‘B. S. 3998 British Standard Recommendations for Tree Work 2010’.
- 4.7 Once the final proposed site layout is agreed, all trees that are being retained on or adjacent to the site should be protected by barriers as shown in section 10. Vertical barriers should be erected and ground protection installed **BEFORE** any materials or machinery is brought onto the site and before any demolition, development or stripping of soil commences. Areas of new or retained planting should be similarly protected. Once erected, all barriers and ground protection **must not** be removed or altered without prior recommendation by an arboriculturalist and approval of the local planning authority.

5.0 CAVEATS AND RESTRICTIONS

- 5.1 This report was commissioned by Janet Smith of Element Urbanism on behalf of the site owners Monmouthshire County Council. It provides a pre-development BS5837 tree survey report for 57 individual trees, 13 groups of trees, 4 hedgerows and one woodland located across the centre and around the edges of the site.
- 5.2 The report is based upon data collected on two site visits made on the 16th March and 26th May 2020 by Bettina Broadway-Mann. Weather conditions were overcast and breezy, and visibility was more than adequate for the visual inspection carried out.
- 5.3 The tree assessment comprised a visual inspection carried out from ground level only. It was intended to identify distinct defects and other failure-prone characteristics of the trees, where these features might give rise to hazard within the coming twelve months. It must nevertheless be recognized that no tree is entirely safe, given the possibility that an exceptionally strong wind could damage or uproot even a mechanically 'perfect' specimen.
- 5.4 Please note the inspector's Terms & Conditions for Arboricultural Consultancy Work, as supplied. While every attempt has been made to provide a realistic and accurate assessment of the trees' condition at the time of inspection, no responsibility can be accepted for damage or injury sustained as a result of the failure of any tree due to faults not apparent upon a visual, ground level inspection carried out at this season, or to faults developing subsequent to the survey. Similarly, no liability can be accepted for the condition of trees that are obscured in part or in whole (e.g. by dense Ivy or other foliage), nor for any that proved inaccessible to the inspector. Certain features that might provide evidence of ongoing decay or decline (such as fungal fruiting bodies, damage to foliage, insect emergence holes etc.) may not have been in evidence: Only those features that are apparent at the time of inspection could be assessed.
- 5.5 The tabular format of the report records each tree individually with appropriate measurements. Distinct defects or other noteworthy characteristics where apparent have also been recorded, along with recommendations for immediate remedial works where necessary.



Bettina Broadway-Mann
ARBORICULTURAL CONSULTANT

19th June 2020

B.Sc. (Hons), M.Sc. Dip. Arb. (RFS), Tech. Cert (Arbor. A), M.Arbor.A.

6.0 SURVEY DETAILS

Client Name:	Monmouthshire County Council County Hall Rhadyr Usk NP15 1GA
Site:	Land at Racecourse Farm Llanfoist Abergavenny NP7 9HE (Central grid ref. SO 29602 12962)
Date of Inspection:	16 th March and 26 th May 2020.
Surveyor:	Bettina Broadway-Mann.
Purpose of survey:	To carry out a pre-development tree survey as per 'BS 5837 Trees in Relation to Design, Demolition and Construction – Recommendations 2012' (with appropriate measurements) to trees within or adjacent to the site, and to make recommendations for immediate remedial works where necessary.
Survey method:	Visual inspection from ground level only, including measurements for height, stem diameter, and physiological and structural condition, and: <ul style="list-style-type: none">• To look for visible defects of the trees• To comment on the condition of the trees and make recommendations for removal or retention, and remedial works where necessary.
Weather:	Overcast, breezy and dry, 18°C.
Site Plan:	This report is accompanied by site survey plans: <ol style="list-style-type: none">1) Tree Location Plan2) Tree Constraints Plan with RPA's + Proposals3) Tree Retention and Protection Plan

- 6.1 Site Location and approximate boundaries:** Image 1 below is provided by courtesy of Monmouthshire County Council – the red outline indicates the approximate boundaries of the site and the extent of the survey area, and is for illustration purposes only.



7.0 LEGAL CONSIDERATIONS

- 7.1 **TPO'S** – Prior to any works commencing the client should check with the Local Planning Authority that the trees are not covered by a Tree Preservation Order, within a Conservation Area, or covered by a Planning Condition.
- 7.2 **FELLING LICENCE** – Even when no specific legal protection exists, it may be necessary to obtain a felling licence. These apply if the volume of timber created from felling works exceeds five cubic metres in any one quarter. Therefore site clearance of trees, even of small areas could exceed this quota. The Forestry Commission administers felling licences.
- 7.3 **BIRDS** - Works to trees should commence outside the bird-nesting season, generally taken to be between March and July, as disturbing nesting birds is a Criminal offence under the Wildlife and Countryside Act 1981, unless such works are necessary to preserve public health and safety. In practice, the tree surgeon must check for the presence of nests prior to commencing works.
- 7.4 **BATS** - The contractor must also thoroughly inspect the trees prior to carrying out works for evidence of bat activity. Bats are a protected species under Wildlife and Countryside Act 1981 (as amended) and the conservation of Habitats and Species Regulations 2010 making it an offence to kill or injure a bat, or destroy or significantly disturb a roost.

If evidence of bat activity is found, all works must cease and advice sought immediately from Natural Resources Wales before continuing.

- 7.5 **DUTY OF CARE** - Attention is drawn to the provisions of the Occupiers Liability Acts, which place a duty of care upon landowners / occupiers to ensure the safety of neighbours and others entering their land. There is a special responsibility to ensure the safety of children, who may be unaware of danger. Annual inspections of trees by a competent person, together with implementation of any recommendations, should ensure compliance with the legislation regarding tree safety.

8.0 GLOSSARY OF TERMS

Bark	all tissue on the outside of the trunk, roots, stems, branches and twigs.
Canopy	the part of the tree composed of leaves and twigs.
Cavity	an open wound characterized by the presence of decay and causing a hollow
Crown	the main foliage carrying part of the tree.
Crown Lifting	the removal of the lower branches up to a specified height to provide clearance under the crown.
Crown / Limb Reduction	a shortening of lateral and vertical branches that makes the entire crown or specified part smaller.
Crown Thin	the balanced removal of secondary, minor, live branch growth to reduce the leaf density evenly throughout the canopy or specified part without altering the tree's overall size and shape.
Decay	rot. The process of degradation of woody tissues by fungi and bacteria through decomposition.
Failure	a partial or total fracture of woody tissues or loss of cohesion between soil and roots.
Hazard	any thing with the potential to cause harm.
Included Bark	bark of neighbouring parts of the tree that are in face to face contact causing a weakness due to the lack of wood union.
Mature	a plant that will respond to flower inducing conditions.
Pruning	the removal or cutting of twigs, branches or roots, often used to describe all kinds of work involving cutting.
Risk	the likelihood of a potential harm from a hazard becoming actual harm.
Root	part of the tree that contains woody and non-woody tissues to absorb water and minerals from the soil, gases from the atmosphere, and support the trunk and crown.
Significant	relates to health and safety – describing a condition, state, hazard or risk that is deemed to exceed accepted standards, thereby requiring remedial or preventative action.
Stem	the principle portion of the woody structure (the trunk) or one of a number of such portions with similar size and status.
Suppressed	trees that have been over shadowed and whose crown development is restricted by neighbouring trees.
Tree	a woody plant that typically has a single self-supporting woody stem, attaining a height in excess of 4 metres in maturity with a stem diameter of at least 75mm.
Trunk	a single main self supporting stem of a tree.
Wound	an injury that induces the tree to compartmentalize internally.

8.1 BIBLIOGRAPHY

Principles of Tree Hazard Assessment – D. Longsdale

Collins Tree Guide 2004 – O. Johnson & D. More

Manual of Wood Decay in Trees. 2003. K. Weber, C. Mattheck. Arboricultural Association.

BS 5837:2012 – Trees in Relation to Design, Demolition and Construction – Recommendations

9.0 BIOGRAPHY

9.1 Qualifications

Royal Forestry Society Professional Diploma in Arboriculture	September 2003
Arboricultural Association Technicians Certificate in Arboriculture	September 2001
MSc Landscape Ecology, Design and Management	September 1997
BSc (Hons) Applied Biology, Forestry and Ecology	July 1995

9.2 Experience

I have worked in the arboricultural industry since 1998 and had a variety of roles in the public sector, before setting up Broadway Tree Consultancy full time in September 2006.

My role at Caerphilly County Borough Council was that of Assistant Tree Officer and responsible for the countywide tree survey of all council owned trees.

I have taught as an arboricultural lecturer at Merrist Wood College, Guildford, and focused mainly on tree law, trees on development sites and tree pests, diseases and disorders.

With Cardiff County Council I was a Tree Preservation Officer and dealt exclusively with Tree Preservation Order applications and planning applications (trees on development sites).

At Newport City Council I was an Arboricultural Officer and oversaw all aspects of surveying and caring for the Council's tree stock.

In addition to my consultancy work I have been a lecturer in arboriculture at Bridgwater College Cannington Campus, and Coleg Gwent, Usk Campus.

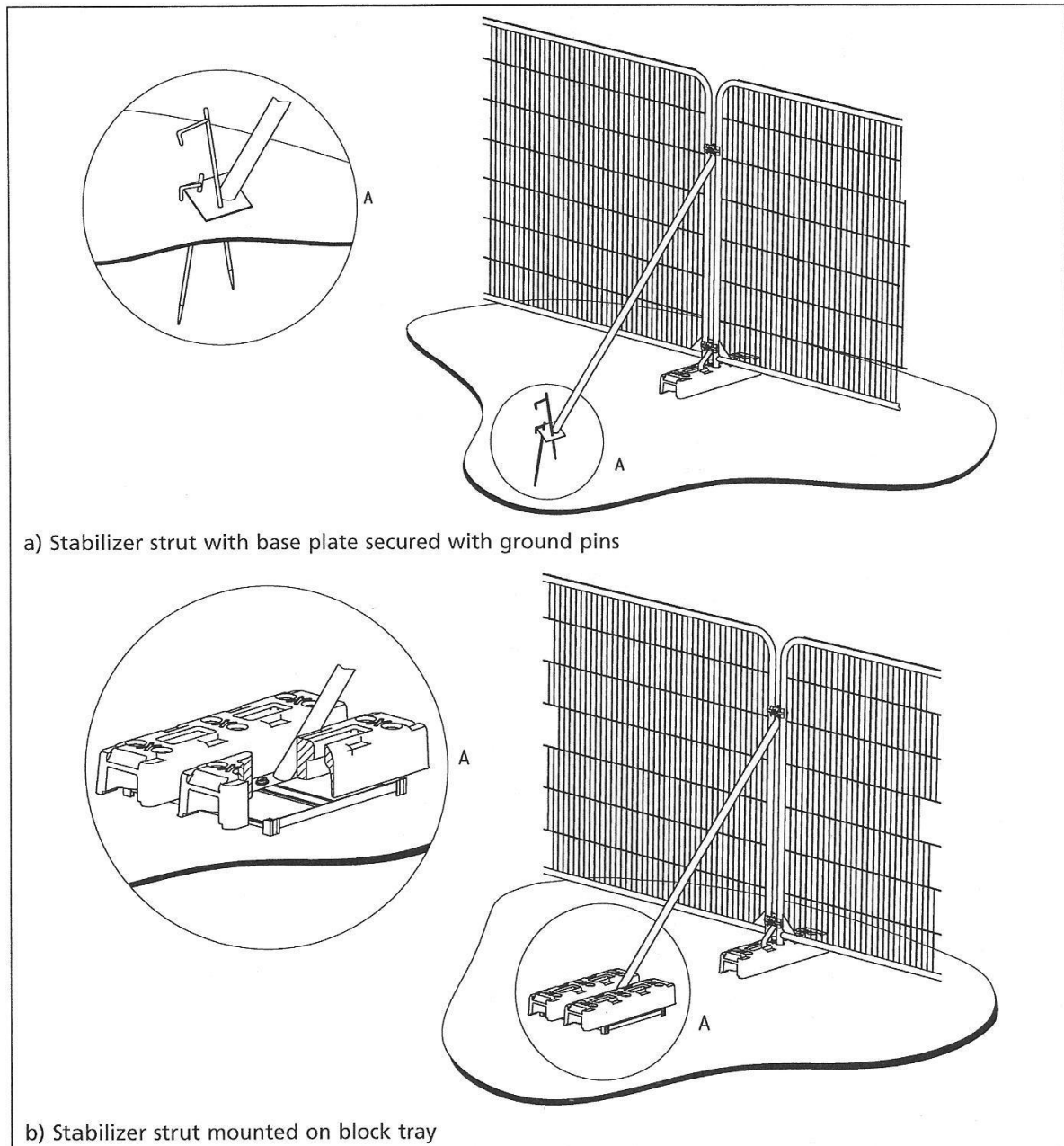
9.3 Membership

Professional member of the Arboricultural Association	March 2005 – to date
Member of the Royal Forestry Society	January 2002 – to date
Associate Member of the Institute of Chartered Foresters	January 2018 – to date

10.0 PROTECTIVE FENCING DETAIL





BS 5837:2012 Figure 3: Examples of above ground stabilising systems

Examples of above-ground stabilizing systems



11.0 BS 5837 TREE CATEGORISATION TABLE

BS5837:2012 Table 1 – Cascade chart for tree quality assessment

Category and definition	Criteria (including subcategories where appropriate)			Identification on plan
Trees unsuitable for retention (see Note)				
Category 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	<ul style="list-style-type: none">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 category U trees (e.g. 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 declineTrees 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 <p><i>NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see [BS5837:2012] 4.5.7.</i></p>			
	1 Mainly arboricultural qualities	2 Mainly landscape qualities	3 Mainly cultural values, including conservation	
Trees to be considered for retention				
Category A Trees 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 those that are essential components of groups or 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)	
Category B Trees 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 value	
Category C Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm	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	

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