



Date: 18th December 2019 / Revision 02 – Planning Issue (Wilkie Scheme)

Tree Survey No.	Species	Tree Stem Diameter @1.5m Height	Tree Root Protection Area Radius	Height (approx)		Spread (approx)		Age Class & Years Remaining		Structural Condition	Vigour	Notes / Comments	Category		Status
				Height Overall	Clear Stem Ht.	N	E	S	W				Early	Mature	
WE 01	<i>Acer campestre</i> (Field Maple); <i>Carpinus betulus</i> (Hornbeam); <i>Populus sp.</i> (Poplar); <i>Quercus robur</i> (Pedunculate Oak);	750mm Ø Est. / Avg.	9.0m	Height	8.0-	N	7.0m	Mature	40 + yrs	Good	Good	Existing woodland edge which is delineated with deer fencing, a man-made bund lies immediately east of the fence. The woodland edge comprises a mix of native species although a row of Field Maples some 7.0m east of the deer fence is prominent to the woodland edge.	A	1&2	Retain
				Overall	15.0m	E	7.0m								
				Clear Stem Ht.	2.0m	S	7.0m								
						W	7.0m								
TG 02	<i>Quercus robur</i> (Pedunculate Oak)	(i) 750mm Ø (ii) 550mm Ø (iii) 575mm Ø (iv) 720mm Ø (v) 660mm Ø	10.50m	Height	14.0-	N	7.0m	Mature	40 + yrs	Good	Good	Five Oak trees forming an approximate line to the edge of woodland. The trees are all standards and lie approximately 6.0m off the fence line.	A	1&2	Retain
				Overall	16.0m	E	7.0m								
				Clear Stem Ht.	3.0m	S	7.0m								
						W	7.0m								
						7.80m									
T 03	<i>Fraxinus excelsior</i> (Ash)	335mm Ø Avg. / Est.	3.90m	Height	9.0m	N	5.0m	Early	40 + yrs	Good	Good	Ash tree to the edge of a residential curtilage and lying within a Hawthorn hedgerow. Single stem to 1.0m ht. approx which divides into 5 no. main boles.	B	1	Retain
				Overall		E	5.0m								
				Clear Stem Ht.	1.0m	S	5.0m								
						W	5.0m								
H 04	<i>Crataegus monogyna</i> (Hawthorn)	75mm Ø Avg. / Est.	1.50m	Height	2.0m	N	0.5m	Early	40 + yrs	Good	Good	Hawthorn hedgerow which has been recently flail cut located to the edge of a grassland field. Hedgerow to be removed due to proposed landform and change in ground levels.	B	1	Remove
				Overall		E	0.5m								
				Clear Stem Ht.	0.25m	S	0.5m								
						W	0.5m								
TG 05	<i>Acer campestre</i> (Field Maple); <i>Fraxinus excelsior</i> (Ash); <i>Pinus sylvestris</i> (Scots Pine); <i>Quercus robur</i> (Pedunculate Oak);	500mm Ø Avg. / Est.	6.0m	Height	12.0m	N	7.0m	Early	40 + yrs	Good	Good	Ribbon of deciduous and evergreen trees to the edge of service station / McDonalds which lies adjacent to the A24 / A272 junction. The trees and shrubs provide screening between Knepp Castle Estate and the service station buildings.	A	2	Retain
				Overall		E	7.0m								
				Clear Stem Ht.	2.0m	S	7.0m								
						W	7.0m								

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				Overall	Clear Stem Ht.	N	E	W	S						
SG 06	<i>Crataegus monogyna</i> (Hawthorn); <i>Fraxinus excelsior</i> (Ash); <i>Quercus robur</i> (Pedunculate Oak)	300mm Ø Avg. / Est.	3.60m	Height Overall	2.0-12.0m	N	3.0m	Early Mature	40 + yrs	Good	Good	Ribbon of shrubs (mainly Hawthorn) with intermittent semi / early mature tree specimens. The vegetation provides seasonal screening to the edge of the A24 and lies adjacent to a temporary access track.	B	2	Retain
				Clear Stem Ht.	0.50m Avg.	S	3.0m								
						W	3.0m								
T 07	<i>Quercus robur</i> (Pedunculate Oak)	855mm Ø	10.20m	Height Overall	12.0m	N	10.0m	Mature	40 + yrs	Good	Good	Single stemmed Oak tree which lies to the edge of the temporary access track - the tree has a large and expansive crown.	A	2	Retain
				Clear Stem Ht.	3.0m	E	7.50m								
						S	8.50m								
						W	9.0m								
TG 08	<i>Quercus ilex</i> (Holm Oak); <i>Quercus robur</i> (Pedunculate Oak)	125mm Ø Avg. / Est	1.50m	Height Overall	4.0m	N	2.5m	Semi Mature	40 + yrs	Good	Good	Group of semi-mature trees - some native Oaks and some evergreen Holm Oaks. The trees are clustered in close proximity to one another. Trees to be removed due to proposed landform and change in ground levels.	C	1	Remove
				Clear Stem Ht.	0.25m	E	2.5m								
						S	2.5m								
						W	2.5m								
TG 09	4 no. <i>Quercus robur</i> (Pedunculate Oak)	(i) 300mm Ø (ii) Dead (iii) 960mm Ø (iv) 855mm Ø (v) 790mm Ø	12.30m Dead 11.40m 10.20m 9.60m	Height Overall	12.0-14.0m	N	8.0m	Mature	40 + yrs	Good	Good	Line of 5 no. mature Oak trees one of which (ii) is dead and has been left as a standing monolith. The trees are of a similar size and maturity.	A	1&2	Retain
				Clear Stem Ht.	3.0m	E	8.0m								
						S	8.0m								
						W	8.0m								
						Avg.									
T 10	<i>Quercus robur</i> (Pedunculate Oak)	560mm Ø	6.60m	Height Overall	11.0m	N	7.0m	Early Mature	40 + yrs	Good	Good	Single Oak tree which lies just off an area of woodland - the tree has a single stem and asymmetrical crown likely due to the proximity of the woodland edge.	B	1	Retain
				Clear Stem Ht.	2.0m	E	7.0m								
						S	7.0m								
						W	4.0m								
SG 11	<i>Acer campestre</i> (Field Maple); <i>Crataegus monogyna</i> (Hawthorn); <i>Prunus spinosa</i> . (Blackthorn); <i>Salix sp.</i> (Willow);	100mm Ø Est. / Avg.	1.20m	Height Overall	3.0-8.0m	N	3.0m	Early Mature	40 + yrs	Good	Good	Mixed informal hedgerow to the edge of a ditch - mainly scrubby shrubs with intermittent semi-mature tree specimens. Shrubs / Trees to be removed due to proposed landform and change in ground levels.	B	1	Remove
				Clear Stem Ht.	0.25m	E	3.0m								
						S	3.0m								
						W	3.0m								

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				Overall	Clear Stem Ht.	N	E	W	S				A	B	
SG 12	<i>Acer campestre</i> (Field Maple); <i>Crataegus monogyna</i> (Hawthorn); <i>Fraxinus excelsior</i> (Ash); <i>Prunus spinosa</i> . (Blackthorn); <i>Salix sp.</i> (Willow); <i>Tilia sp.</i> (Lime)	200mm Ø Est. / Avg.	2.40m	Height Overall	3.0-12.0m	N 4.0m E 4.0m	4.0m	Early Mature	40 + yrs	Good	Good	Mixed ribbon of vegetation to the edge of a ditch as above: mainly shrubs with some intermittent semi/early-mature tree specimens. Shrubs / Trees to be removed due to proposed landform and change in ground levels.	B	1	Remove
T 13	<i>Quercus robur</i> (Pedunculate Oak)	1,085mm Ø	12.90m	Height Overall	14.0m	N 10.0m E 9.0m	10.0m	Mature	40 + yrs	Good	Good	2 no. large Oak trees within dense shrubs with single substantial stems and broad, expansive crowns. A fungal fruiting body: <i>Ganoderma resinaceum</i> is located to the basal area of T 13. Trees to be removed due to proposed landform and change in ground levels.	A	1&2	Remove
T 14	<i>Quercus robur</i> (Pedunculate Oak)	1,180mm Ø	14.10m	Height Overall	14.0m	N 10m E 12.0m	10.0m	Mature	40 + yrs	Good	Good		A	1&2	Remove
T 15	<i>Quercus robur</i> (Pedunculate Oak)	1,180mm Ø	14.10m	Height Overall	14.0m	N 12.0m E 12.0m	12.0m	Mature	40 + yrs	Good	Good	Oak tree with a single stem and timber post and rail fencing to the base. The tree has a substantial main stem and a broad, expansive crown with some minor dead wood present. Tree to be removed due to proposed landform and change in ground levels.	A	1&2	Remove
				Clear Stem Ht.	2.0m	S 4.0m W 4.0m	4.0m								
				Clear Stem Ht.	2.0m	S 9.0m W 10.0m	10.0m								
				Clear Stem Ht.	2.0m	S 10.0m W 7.0m	10.0m								
				Clear Stem Ht.	2.0m	S 10.0m W 8.0m	10.0m								

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				Overall	Clear Stem Ht.	N	E	Mature	40 + yrs				A	1&2	
T 16	<i>Quercus robur</i> (Pedunculate Oak)	1,100mm Ø	13.20m	Height Overall	15.0m	N	9.0m	Mature	40 + yrs	Good	Good	Large and mature oak tree which lies to the edge of an equestrian paddock. The tree has a substantial single stem and timber post and rail fencing to the base. Tree to be removed due to proposed landform and change in ground levels.	A	1&2	Remove
				E	7.5m										
			Clear Stem Ht.	2.0m	S	8.0m	W								
T 17	<i>Quercus robur</i> (English Oak)	1205mm Ø	14.40m	Height Overall	17.0m	N	11.0m	Mature	40 + yrs	Good	Good	Large and mature Oak with a substantial single stem and a spreading canopy - some historical tree work is evident. There is some minor dead wood to the crown.	A	1	Retain
				E	10.0m										
			Clear Stem Ht.	4.0m	S	10.0m	W								
T 18	<i>Quercus robur</i> (English Oak)	980mm Ø	11.70m	Height Overall	17.0m	N	6.5m	Mature	40 + yrs	Good	Good	Large and mature Oak - one of several to the eastern edge of an open, grassland field. The tree has a single stem and an asymmetrical crown due to the close proximity of T19 to the south.	A	1	Retain
				E	5.0m										
			Clear Stem Ht.	3.0m	S	3.0m	W								
T 19	<i>Quercus robur</i> (English Oak)	1210mm Ø	14.40m	Height Overall	18.0m	N	4.0m	Mature	40 + yrs	Good	Good	Large Oak in close proximity to T 18 with a corresponding, asymmetrical crown. The tree has a substantial single stem and some minor dead wood to the crown.	A	1	Retain
				E	8.0m										
			Clear Stem Ht.	3.0m	S	10.0m	W								
T 20	<i>Quercus robur</i> (English Oak)	830mm Ø	9.90m	Height Overall	15.0m	N	5.0m	Mature	40 + yrs	Good	Good	Oak tree surrounded by Ash specimens all of which are in the process of being removed due to Ash dieback. The Oak has a single stem with dense ivy which limited a full visual inspection.	B	2	Retain
				E	5.0m										
			Clear Stem Ht.	3.0m	S	10.0m	W								
T 21	<i>Quercus robur</i> (English Oak)	(i) 955mm Ø	11.40m	Height Overall	15.0m	N	6.0m	Mature	40+yrs	Good	Good	3 no. Oak trees in close proximity to one another adjacent to a private access road and the A24. Tree (ii) shows little signs of life and is scheduled for scaffold branches to be removed with main stem left as a standing monolith (in line with Knepp Castle Estate policy).	A	2	Retain
		(ii) 855mm Ø	10.20m			E	6.0m		<10yrs	Fair	Poor		U		Remove
		(iii) 945mm Ø	11.40m	Clear Stem Ht.	3.0m	S	6.0m		40+yrs	Good	Good		A	2	Retain
				Avg.	Avg.	W	6.0m								
T 22	<i>Salix sp.</i> (Willow)	395mm Ø	4.80m	Height Overall	7.0m	N	6.0m	Early Mature	40 + yrs	Good	Good	Multi stemmed Willow to the eastern boundary of a residential curtilage. The tree has a single stem to 0.75m height approx which then divides into 7 no. main stems - it has been recently pollarded.	B	1	Retain
				E	6.0m										
			Clear Stem Ht.	2.0m	S	6.0m	W								

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				Overall	Clear Stem Ht.	N	E						A	B	
TG 23	<i>Quercus robur</i> (English Oak)	1,435mm Ø	15.0m	Height	15.0m	N	9.0m	Mature	40 + yrs	Good	Good	2 no. very large and mature oak trees to the edge of a residential garden area. Substantial main stems and broad and expansive crowns.	A	1&2	Retain
				Overall		E	9.0m								
				Clear Stem Ht.	3.0m	S	9.0m								
WE 24	<i>Acer campestre</i> (Field Maple); <i>Crataegus monogyna</i> (Hawthorn); <i>Fraxinus excelsior</i> (Ash); <i>Prunus spinosa</i> (Blackthorn); <i>Quercus robur</i> (Pedunculate Oak);	1000mm Ø Avg. / Est.	12.0m	Height	10.0-	N	9.0m	Mature	40 + yrs	Good	Good	Woodland area with a number of mature specimens (Oak standards) and some dead wood left standing in line with Knepp Castle policy. Limited understorey although some dense areas of brambles.	A	1&2	Retain
				Overall	15.0m	E	9.0m								
				Clear Stem Ht.	3.0m	S	9.0m								
SG 25	<i>Acer pseudoplatanus</i> (Sycamore); <i>Crataegus monogyna</i> (Hawthorn); <i>Sambucus nigra</i> (Elder)	200mm Ø Avg. / Est.	2.40m	Height	3.0-	N	3.0m	Early Mature	40 + yrs	Good	Good	Dense area of shrubs and scrub to the edge of the A24 highway corridor and temporary haul route. Compacted stone surfacing to haul route to be retained throughout landform works to protect existing trees / shrubs.	B	1	Retain
				Overall	6.0m	E	3.0m								
				Clear Stem Ht.	0.5m	S	3.0m								
TG 26	<i>Acer campestre</i> (Field Maple); <i>Aesculus hippocastanum</i> (Horse Chestnut); <i>Crataegus monogyna</i> (Hawthorn); <i>Pinus sp.</i> (Pine); <i>Quercus robur</i> (Pedunculate Oak);	800mm Ø Avg. / Est.	9.60m	Height	3.0-	N	7.0m	Mature	40 + yrs	Good	Good	Ribbons of mainly tree specimens to the edge of the A24 highway corridor which are a mix of deciduous and pine species. The vegetation offers screening to Knepp Castle hence the amenity grading. A compacted stone access route lies adjacent to the western edge with deer fencing to the boundary with the A24. Compacted stone surfacing to haul route to be retained throughout landform works to protect existing trees / shrubs.	A	2	Retain
				Overall	15.0m	E	7.0m								
				Clear Stem Ht.	0.5m	S	7.0m								
TG 27	5 no. <i>Quercus robur</i> (Pedunculate Oak)	900mm Ø Avg. / Est.	10.80m	Height	15.0m	N	8.0m	Mature	40 + yrs	Good	Good	5 no. mature oak trees which lie adjacent to the curtilage of a residential property. The trees are all single stemmed mature specimens - access was not possible to measure or undertake a full visual inspection.	A	1&2	Retain
				Overall		E	8.0m								
				Clear Stem Ht.	2.0m	S	8.0m								

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				Overall	Clear Stem Ht.	N	E	W	S				B	1	
SG 28	<i>Crataegus monogyna</i> (Hawthorn); <i>Fraxinus excelsior</i> (Ash); <i>Prunus spinosa</i> (Blackthorn); <i>Rubus fruticosus</i> (Brambles).	300mm Ø Avg. / Est.	3.60m	Height Overall	6.0-10.0m	N	3.0m	Early	40 + yrs	Good	Good	Dense ribbon of shrubs to the southern edge of a residential property - to the south is an equestrian paddock.	B	1	Retain
				Clear Stem Ht.	0.5m	E	3.0m	Mature							
						S	3.0m								
						W	3.0m								
TL 29	× <i>Cuprocyparis leylandii</i> (Leyland cypress)	400mm Ø Avg. / Est.	4.80m	Height Overall	12.0-20.0m	N	5.0m	Mature	40 + yrs	Good	Good	Dense line of conifers which lie adjacent to the A24 highway corridor. The trees appear to have been planted at the same time and provide screening to the Floodgates Farm area and paddocks which lie adjacent to the A24. Trees proposed to be removed and replaced with a new landform with native tree and shrub planting.	B	1	Remove
				Clear Stem Ht.	0.5m	E	5.0m								
						S	5.0m								
						W	5.0m Avg.								
TL 30	<i>Alnus sp.</i> (Alder)	340mm Ø Avg.	4.20m	Height Overall	10.0m	N	3.5m	Semi	40 + yrs	Good	Good	Line of feathered Alder trees in good condition and of a similar size.	B	1	Retain
				Clear Stem Ht.	0.5m	E	3.5m	Mature							
						S	3.5m								
						W	3.5m Avg.								
TG 31	<i>Quercus robur</i> (English Oak)	1,435mm Ø 1,465mm Ø	15.0m 15.0m	Height Overall	18.0m	N	9.0m	Mature	40 + yrs	Good	Good	2 no. large and mature Oak specimens to the edge of an access road and north-east of a residential dwelling. Both trees have very large and substantial stems and expansive, rounded habits. Dense ivy limited a full visual inspection.	A	1&2	Retain
				Clear Stem Ht.	2.0m	E	9.0m								
						S	9.0m								
						W	9.0m								
T 32	<i>Quercus robur</i> (English Oak)	1,190mm Ø	14.40m	Height Overall	12.0m	N	8.5m	Mature	40 + yrs	Good	Good	Mature Oak within an equestrian paddock, the tree has a large stem and is commencing natural retrenchment. Tree to be removed due to proposed landform and change in ground levels.	A	1&2	Remove
				Clear Stem Ht.	3.0m	E	8.0m								
						S	9.5m								
						W	8.5m								
T 33	<i>Aesculus hippocastanum</i> (Horse Chestnut)	485mm Ø	5.70m	Height Overall	10.0m	N	4.5m	Early	40 + yrs	Good	Good	Horse Chestnut to the edge of a recreation area adjacent to office units. The tree has a single stem to 1.4m height approx and then divides into several boles.	B	1	Retain
				Clear Stem Ht.	1.0m	E	4.5m	Mature							
						S	4.5m								
						W	4.5m								

CASCADE CHART FOR TREE QUALITY ASSESSMENT (BS5837 Trees in relation to design, demolition and construction – Recommendations)		
TREES UNSUITABLE FOR RETENTION		
Category U: Trees in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years		
<ul style="list-style-type: none"> • <i>Trees that have a serious, irremediable structural defect such that early loss is expected due to collapse;</i> • <i>Trees that are dead or showing signs of significant, immediate and irreversible decline;</i> • <i>Trees infected with pathogens of significance to health and / or safety of other trees nearby;</i> • <i>Trees of very low quality suppressing adjacent trees of better quality;</i> • <i>Trees that would be unviable after the removal of other, adjacent trees for the reasons above.</i> 		
TREES TO BE CONSIDERED FOR RETENTION		
1. Mainly arboricultural qualities	2. Mainly landscape qualities	3. Mainly cultural values including conservation
Category A: Trees of high quality (with an estimated remaining life expectancy of at least 40 years)		
<ul style="list-style-type: none"> • <i>Trees that are particularly good examples of their species (especially if rare or unusual);</i> • <i>Trees which are essential components of groups of trees or formal / semi-formal arboricultural features.</i> 	<ul style="list-style-type: none"> • <i>Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features.</i> 	<ul style="list-style-type: none"> • <i>Trees, groups or woodland of significant conservation, historical, commemorative or other value (eg. veteran trees / wood pasture).</i>
Category B: Trees of moderate quality (with an estimated remaining life expectancy of at least 20 years)		
<ul style="list-style-type: none"> • <i>Trees that might be included in the higher category, but because of impaired condition (eg. significant but remediable defects / unsympathetic historical management / storm damage) are downgraded;</i> • <i>Trees lacking the special quality to merit Category A designation.</i> 	<ul style="list-style-type: none"> • <i>Trees present in numbers (groups or woodlands) such that they attract a higher collective rating than as individuals;</i> • <i>Groups of trees whose location mean they make little visual contribution to the wider locality.</i> 	<ul style="list-style-type: none"> • <i>Trees with material conservation or other cultural value.</i>
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 150mm)		
<ul style="list-style-type: none"> • <i>Unremarkable trees of very limited merit or such impaired condition that they do not qualify for the higher categories.</i> 	<ul style="list-style-type: none"> • <i>Trees present in groups or woodlands without offering significant landscape value;</i> • <i>Trees offering low or temporary / transient landscape benefits.</i> 	<ul style="list-style-type: none"> • <i>Trees with no material conservation or other cultural value.</i>