

Rheda Cross

Rheda Park

Frizington

Area 3 (East)

Arboricultural Impact Assessment

Tree Protection Plan

August 2019

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1.0 Terms of Reference

1.1 This Rheda Cross Arboricultural Impact Assessment Report has been commissioned by Ms Naomi Howard of PFK, Planning Office, Agricultural Hall, Skirsgill, Penrith Cumbria. CA11 0DN. The Arboricultural Impact Assessment Tree Protection Report being commissioned to assess the tree stock contained within the proposed development Area 3 (East) at Rheda Cross, Rheda Park Frizington CA26 3TA.

1.2 This Arboricultural Impact Assessment Tree Protection Report, site visit, assessment and investigation have been undertaken by Mr Daniel Bold M.Arbor.A, N.C. Arb., H.N.D. Arb., N.E.B.O.S.H. General Certificate, of Cumbria Tree Surveys.

1.3 The site investigations, assessments and Arboricultural Report on the trees inspected and surveyed has been established by implementing the following:British Standard 5837:2012 Trees in relation to design, demolition and construction – Recommendations.

British Standard 3998:2010 Tree work – Recommendations.

Visual Tree Assessment (VTA) methods, and Cumbria Tree Survey protocols. The inspection and survey being undertaken from ground level.

1.4 The site survey being undertaken on the following dates:

8 th August 2019.	Weather: Warm, sunny, dry with no wind.
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9th August 2019. Weather: Heavy showers, am. Bright sunny pm.

2.0 Synopsis

2.1 Rheda Cross is a private dwelling situated within the footprint of a much larger former residence. Evidence of the former property still exists. Within the curtilage of the garden area are formal gardens including introduced specimen tree species. Also contained within the garden area and margins is mixed species tree stock that has been allowed to colonise and develop.

2.2 The current development proposal involves the potential development of Area 3. Garden area to the east of the property, Rheda Cross, including access route from Rheda Park Private Road.

Area 3



Not to scale: Reference only for identification purposes.

2.3 Within the curtilage of Rheda Cross and proposed development Area 3 there is ground cover scrub and young trees including those with a stem diameter of 75mm or less at 1.5 metres. These being beyond the remit of British Standard 5837:2012 Trees in relation to design, demolition and construction – Recommendations requirements.

3.0 Arboricultural Impact Assessment Constraints, Details and Observations

3.1 The surveyed specimens within the curtilage of the three proposed development areas have been inspected / surveyed and given a numbered tree tag to give clear identification. Where appropriate, and in accordance with BS 5837:2012, groups of trees have been identified and listed. Such groups are identified in the Survey Data Table. The Area 3 numbering system starts at T480 and runs through to T611.

3.2 In accordance with the requirement of BS 5837:2012, the tree stock contained within the three proposed development areas have been inspected / surveyed to establish the following details.

3.3 Species.

Common name first, with the botanical name beneath in *italic*.

3.4 Age Class, Life Stage.

Four age classes referred to in BS 5037:2012 as "Life Stages" are available for use. That is Young, Semi-Mature, Mature and Over Mature. This system represents the tree specimen within its life cycle.

Young being in the early formative years and still with the potential for future vigorous extension growth.

Semi-Mature being in essence middle aged and growth having slowed.

Mature is regarded as the stage in the life cycle of the tree specimen when extension growth has virtually ceased and the tree specimen is, in the main, sustaining the life cycle with little or no extension growth.

Over Mature is that stage in the life cycle of the tree where the specimen is in decline with evidence to suggest this is the case.

3.5 Diameter at Breast Height.

Diameter at Breast Height, DBH. Measured at 1.5 metre as recommended by BS 5837:2012. For trees with two to five stems the combined stem diameter should be calculated. This has been calculated as per the prescribed formula in BS 5837:2012.

3.6 Height.

Expressed in metres and measured by means of a TruPulse 200e laser measure from ground level, where possible. Due to closed upper crown canopies where sight lines for the laser measure have been restricted, an estimate has been given.

3.7 Crown Spread.

As required by BS 5837:2012, representing the four compass points, expressed in metres.

3.8 Crown Height.

The existing height above ground level of the tree crown / canopy. That is the clearance from the ground to the underside of the crown / canopy. Should the crown spread out from Ground Level, the reference GL in the Survey Data Table indicates this.

3.9 Estimated Remaining Contribution.

The life expectancy, in years, of the specimen in its current condition. Four categories are recommended in BS 5837:2012, and are as follows:

<10, 10+, 20+, 40+



3.10 Comments.

Observations on the health and safety status and condition of the specimen.

3.11 BS 5837:2012 Category.

A system as defined in BS 5837:2012 for tree categorisation and classification. Each specimen should be classified according to its category A, B, C or U and colour coded accordingly. All specimens in the category A - C being further defined into a subcategory 1, 2 or 3. In general terms 1 being, mainly Arboricultural qualities, 2, being, mainly landscape qualities and 3 being mainly cultural values including conservation. Category A, B and C trees have the potential to be considered for retention. An abridged definition of the categorisation system follows.

Trees to be Considered for Retention

Trees of high quality with an estimated remaining life expectancy of at least 40 years.

A1. Trees that are particularly good examples of their species, especially if rare or unusual or form essential components of a group.

A2. Trees, groups or woodlands of particular visual importance as Arboricultural and / or landscape features.

A3. Trees, groups or woodlands of significant conservation historical, commemorative of other value.

В

А

Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.

B1. Trees that might be included in Category A, but are downgraded because of impaired condition.

B2. Trees present in numbers, usually 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.

B3. Trees with material conservation or other cultural value.

3.11 continued.

С

U

Trees of low quality with an estimated remaining life expectancy of at least 10 years or young trees with a stem diameter below 150mm.

C1. Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories.

C2. Trees present in groups or woodlands, but without this conferring on them significant greater collective landscape value; and / or trees offering low or only temporary / transient landscape benefits.

C3. Trees with no material conservation or other cultural value.

Trees Unsuitable for Retention.

Those in such a condition that they cannot realistically be retained as living trees in the context off the current land use for longer than 10 years. This includes those specimens that are considered dead, dying or dangerous at time of inspection.

3.12 Recommendations.

Recommendations required for the benefit of sound Arboricultural practice and to abate any potential Health and Safety issues arising from the specimen.

4.0 Area 3 Arboricultural Impact Assessment Survey Data Table

4.1 Rheda Cross Area 3. Garden area to east of property. Survey commences at T480 at post and rail fence parallel with Rheda Park road to the north west of survey area. Items to note. T513 – T526 are situated in fenced area to west of survey area with boundary with property. T528 – T533 are also in a separate fenced area to west of survey area. Specimens T480 – T539 are to the west of the survey area. Specimens T540 – T611 are to the east of the survey area with some on the boundary of the neighbouring property.

					C	rown	Crown	Est		BS5837 :
Tree	. .	Life	DBH	Height	Sp	read	Height	Cont	. .	2012
Number	Species	Stage	<u>cm</u>	Metres	Me	etres	Metres	Years	Comments	Category
T480	Ash	Semi	S1 17	10	N	1.0	3.0	10+	Twin stemmed with natural lean towards	C3
	Fraxinus	mature	S2 18		E	6.0			the east and highway. Specimen in	
	exceisior				S	0.0			decline with extensive established ivy	
	lation a				VV	1.0			on main stem and crown.	
Recom	nendations	امصحا ملائر	0				- anglelou			
Urgeni.	Sever ivy at base v	vitn nanu	saw. S	pecimen	WOI	ny oi	Consider	ation ic		
T481	Sycamore	Semi	21	11	Ν	4.0	3.5	10+	Specimen of average shape and form	C3
	Acer	mature			Е	4.0			with Ivy starting to form.	
	pseudoplatanus				S	3.0				
					W	1.0				
Recom	mendations									
Specime	en worthy of conside	eration fo	r retenti	on.						
T482	Ash	Semi	9	14	Ν	1.0	3.0	<10	Twin stemmed specimen in decline with	U
	Fraxinus	mature			Е	1.0			both crowns dead. Extensive	
	excelsior				S	1.0			established Ivy on main stem and	
					W	1.0			crown.	
Recom	mendations									
Fell. Sp	ecimen not worthy	of retentic	vn.							
T483	Ash	Young	10	5	Ν	1.0	2.0	<10	Specimen with 45° lean, dead, dying,	U
	Fraxinus				Е	1.0			dangerous and adjacent to T482	
	excelsior				S	0.0			-	
					W	0.0				
Recom	mendations									
Fell. Sp	ecimen not worthy	of retentic	ın.							
T484	Wych Elm	Young	10	5	Ν	2.0	3.0	10+	Young specimen growing from	C1
	, Illimica dabra				Е	2.0			coppice.	
	Uimus giabra				s	2.0				
					W	2.0				I
Recom	mendations									
Specime	en worthy of conside	eration fo	r retenti	on.						
T485	Holly	Young	S1 7	4	Ν	2.0	GL	10+	At north boundary of survey area and	C1
	llox aquifolium		S2 12		Е	2.0			suppressed in growth due to closed	
	llex aquilollum				S	2.0			upper crown canopy of adjacent	
					W	2.0			species.	
Recom	mendations									
Specime	en worthy of conside	eration fo	r retenti	on.						

Tree		Life	<u>DBH</u>	Height	<u>C</u> Sp	rown oread	Crown Height	<u>Est</u> Cont		<u>BS5837 :</u> <u>2012</u>
Number	Species	Stage	<u>cm</u>	Metres	M	etres	Metres	Years	Comments	Category
1486	Holly	Nature	20	6	N	1.0	2.0	<10	Dead, dying, dangerous specimen at	U
	llex aquifolium				E	1.0			boundary of survey area with extensive	
					S W	1.0			crowp	
Recomm	endations				vv	1.0			crown.	
Fell Spe	cimen not worthy	of retentio	n.							
T487	Wych Elm	Semi	S1 22	12	Ν	4.0	4.0	20+	On boundary of survey area.	B3
	, I llanua, alabum	mature	S2 8		Е	3.0				
	Olinus giabra		S3 11		S	1.0				
			S4 19		W	2.0				
Recomm	endations		S5 5							
Specime	n worthy of consid	leration fo	r retenti	on.						
T488	Ash	Mature	52	20	Ν	7.0	7.0	20+	Crown forks at 7m. Minor dead wood	B1
	Fraxinus				E	7.0			in crown.	
	excelsior				S	7.0				
D					VV	7.0				
Recomm	<u>endations</u>	laration fo								
Specime	n worthy of consid	ieration to	r retenti	on.						
T/80		Semi	S1 18	12	N	3.0	3.0	10+	Twin stemmed from base I.w. starting	C1
1403		mature	S2 22	12	F	3.0	0.0	10+	to form	01
	Ulmus glabra	matare	02 22		S	3.0				
					Ŵ	3.0				
Recomm	endations					0.0				
Specime	n worthy of consid	leration fo	r retenti	on.						
T100	A - I-	0	45	<u>^</u>	NI	0.0	0.0	10.		00
1490	ASN	Semi	15	6		6.0	3.0	10+	Acute lean in upper crown towards	63
	Fraxinus	mature			E	1.0			north and property due to closed upper	
	exceisior				3	0.0 5.0			crown canopy of adjacent trees.	
Recomm	andations				vv	5.0				
Specime	n worthy of consid	leration fo	r retenti	าท						
opecime			reteritio	511.						
T491	Ash	Young	S1 8	5	Ν	1.0	2.0	<10	Specimen of poor shape and form, twin	U
	Fraxinus	0	S2 10		Е	1.0			stemmed from base. BT line through	
	excelsior				s	1.0			crown.	
					W	1.0				
Recomm	endations									
Fell. Spe	ecimen not worthy	of retentic	n.							
T492	Ash	Young	14	7	Ν	4.0	2.0	10+	BT line through crown. Severe lean in	C1
	Fraxinus				Е	1.0			upper crown to north.	
	excelsior				S	1.0				
					W	4.0				
Recomm	endations									
Specime	n worthy of consid	leration to	r retentio	on.						
T402	Ach	Moturo	20	20	N	6.0	7.0	201	Specimen of good shape and form	P2
1495	Fravinus	Mature	30	20		6.0	7.0	20+	Specimentor good shape and form.	БЭ
	overlaior				E e	0.0 6.0				
	exceisior				w	6.0				
Recomm	endations				vv	0.0				
Specime	n worthy of consid	leration fo	r retenti	on.						
T40.4	۸ _ L-	N 4-4	04	00	N .	0.0	7.0	00	Creating of good shares 14	D 0
1494	Asn	iviature	24	20	N	6.0	7.0	20+	Specimen or good shape and form.	B3
	riaxinus				E	0.0				
	excelsior				S	6.U				
Recomm	andations				vv	0.0				
Specimo	n worthy of consid	leration for	r retenti	חר						
opecime			Telenili							

					C	rown	Crown	Est		BS5837 :
<u>Tree</u> Number	Species	<u>Life</u> Stage	DBH cm	Height Metres	<u>. Sp</u> м	oread	Height Metres	Cont Years	Comments	2012 Category
T495	Silver Birch	Mature	23	8	N	2.0	4.0	10+	Growth pattern influenced to west due	C1
	Botula pondula				Е	1.0			to T492 / T495	
	Detula periodia				S	0.0				
Basamn	nondationa				W	6.0				
Specime	en worthy of consid	eration fo	r retenti	on						
Opconne		cratorrio	Teteriu	011.						
T496	Cherry	Semi	S1 12	6	Ν	3.0	2.5	10+	Specimen of average shape and form	C1
	Prunus spp	mature	S2 18		Е	4.0			with BT line through crown.	
					S	1.0				
Recomn	nendations				vv	1.0				
Specime	en worthy of consid	eration fo	r retenti	on.						
	,									
T497	Elm	Mature	57	18	Ν	7.0	3.0	20+	Specimen at boundary. Very minor	B1
	Ulmus spp				E	7.0			basal decay. Minor dead wood in	
					5 W	7.0			crown.	
Recomn	nendations				vv	7.0				
Specime	en worthy of consid	eration fo	r retenti	on.						
	-									
T498	Rhododendron	Mature	S117	5	N	5.0	GL	10+	One stem horizontal with basal fracture,	C2
	Rhododendron		S2 17		E	1.0			of no health and safety concern.	
	ponticum		S4 17		w	1.0 5.0				
Recomn	nendations		S5 17			0.0				
Specime	en good for screeni	ng and w	orthy of	conside	ratio	n for r	etention.			
T499	Beech	Semi	S1 24	14	N	3.0	2.0	20+	Specimen growing from coppice with	B2
	Fagus sylvatica	mature	S3 15		S	3.0 3.0			twenty four sterns. Five main sterns.	
			S4 24		Ŵ	3.0				
Recomn	nendations		S5 11							
Specime	en worthy of consid	eration fo	r retenti	on.						
T500		Vouna	11	0	N	1.0	1.0	10+	Specimen average shape and form	C1
1300		roung		9	E	1.0	1.0	10+	Specifier average shape and form.	
	Ulmus glabra				s	1.0				
					W	1.0				
Recomn	nendations									
Specime	en worthy of consid	eration fo	r retenti	on.						
T501	Oak	Semi	22	13	N	3.0	8.0	<10	Upper crown dving back / dead	U
		mature			E	1.0	0.0			
	Quercus robur				S	1.0				
_					W	1.0				
Recomn	nendations	of rotontic								
Feii. Sp	ecimen not wortny	or retentio	on.							
T502	Ash	Semi	26	13	Ν	7.0	2.0	10+	Crown growth pattern to north and west	C1
	Fraxinus	mature			Е	0.0			due to aspect.	
	excelsior				S	0.0				
Bagarra	nondations				W	7.0				
Specime	nerications on worthy of consid	eration fo	r retenti	on						
		0.000110								
T503	Beech	Mature	49	22	Ν	5.0	2.0	20+	Good specimen.	B1
	Fagus svlvatica				Е	5.0				
					S	5.0				
Recomm	nendations				VV	5.0				
Specime	en worthy of consid	eration fo	r retenti	on.						
· ·										

					C	rown	Crown	Est		BS5837 :
Tree Number	Spacias	Life Stage	DBH cm	Height Motros	<u>Sp</u>	otros	Height Motros	Cont Voars	Commonte	<u>2012</u>
T504	Beech	Young	18	7	N	4.0	0.5	20+	Growth pattern influenced by T503	B1
	E			-	Е	1.0				
	Fagus sylvatica				S	1.0				
					W	4.0				
Recom	nendations	oration fo	r rotonti	~						
Specime	en worthy of consid	eration to	rretenti	on.						
T505	Holly	Young	S1 14	5	Ν	3.0	GL	10+	Specimen on boundary and of average	C1
	llex aquifolium	0	S2 8		Е	1.0			shape and form.	
	nex aquilonum				S	1.0				
					W	3.0				
Specime	nendations	oration fo	r rotonti	00						
Specifie		eration to	rreteriti	on.						
T506	Holly	Young	S1 15	9	Ν	3.0	1.0	10+	Specimen on boundary and of average	C1
	, Ilev aquifolium	0	S2 9		Е	0.0			shape and form.	
	nex aquilonum				S	0.0				
_					W	3.0				
Specime	nendations	oration fo	r rotonti	on						
opecime		eracionito	i i eterni	011.						
T507	Holly	Young	S1 9	3.5	Ν	1.0	1.0	10+	Four stems from coppice.	C1
	llex aquifolium	•	S2 5		Е	1.0				
	nex aquilonum		S3 6		S	1.0				
Decem			S4 6		W	1.0				
Specime	nendations on worthy of consid	eration fo	r rotonti	on						
opecific		eradorrio	reteriu	011.						
T508	Hawthorn	Young	9	3.5	Ν	1.0	1.0	10+	Specimen with single stem.	C3
	Crataegus				Е	0.0				
	monogyna				S	0.0				
Bacom	nondations				VV	1.0				
Specime	en worthy of consid	eration fo	r retenti	on						
opeening		0104001110		0						
T509	Oak	Semi	29	20	Ν	4.0	10.0	20+	Specimen of good shape and form.	B1
	Quercus robur	mature			Е	2.0				
					S	2.0				
Recomm	nendations				vv	4.0				
Specime	en worthy of consid	eration fo	r retenti	on.						
	,			-						
T510	Oak	Semi	18	20	Ν	3.0	12.0	20+	Specimen of good shape and form.	B1
	Quercus robur	mature			E	3.0				
					S	3.0				
Recomm	nendations				vv	3.0				
Specime	en worthy of consid	eration fo	r retenti	on.						
T511	Oak	Semi	22	20	Ν	3.0	10.0	20+	45° bend in main stem at 5m.	B3
	Quercus robur	mature			E	3.0				
					5	3.0				
Recomm	nendations				• •	0.0				
Specime	en worthy of consid	eration fo	r retenti	on.						
T512	Elm	Mature	60	18	N	7.0	2.0	20+	Extensive epicormic growth to base.	B1
	Ulmus spp				E	6.0			Crown looking sparse. Specimen on	
					S	7.U 7.0			boundary of survey area.	
Recomm	nendations				vv	7.0				
Specime	en worthy of consid	eration fo	r retenti	on.						
1										

<u>Tree</u> Number	Species	Life Stage	DBH cm	<u>Height</u> <u>Metres</u>	<u>C</u> Sp M	rown oread etres	<u>Crown</u> Height Metres	<u>Est</u> Cont Years	Comments	BS5837 : 2012 Category
T513	Holm Oak	Mature	62	18	Ν	7.0	1.5	20+	Specimen of average shape and form.	B1
	Quercus ilex				E	6.0			Dead scaffold branches in lower	
					S	7.0			crown due to aspect. Specimen on	
Recomm	nendations				vv	7.0			boundary of survey area.	
Prune to	remove dead scat	ffold bran	ches. S	Specimer	n wo	rthy of	f conside	ration	for retention. Note: Specimens T513 - T	526 are in
fenced a	area to west of surv	ey area a	nd has	raised bo	ound	ary wi	th proper	ty.		
T514	Ash	Semi	22	19	Ν	3.0	14.0	10+	Specimen of average shape and form	C1
	Fraxinus	mature			Е	3.0			with minor dead wood in crown.	
	excelsior				S	3.0				
<u>Recom</u> Specime	nendations en worthy of consid	leration fo	r retenti	on.	vv	3.0				
T515	Ash	Semi	26	16	N	3.0	10.0	10+	Specimen of average shape and form	C1
	Fraxinus	mature			E	3.0 4.0			with minor dead wood in crown.	
	excelsion				w	3.0				
Recomm	nendations					0.0				
Specime	en worthy of consid	leration fo	r retenti	on.						
T516	Holly	Young	10	7	Ν	2.0	2.0	10+	One of pair.	C1
	llev aquifolium	-			Е	2.0				
	nex aquitonum				S	2.0				
_					W	2.0				
Specime	nendations	leration fo	r rotonti	on						
opecime			Telenii	011.						
T517	Holly	Young	11	7	Ν	2.0	2.0	10+	Second of pair.	C1
	llex aquifolium				Е	2.0				
	nex aquilonum				S	2.0				
_					W	2.0				
Specime	nendations	loration fo	r rotonti	on						
Specifie			reterni	011.						
T518	Cotoneaster	Semi	18	6	Ν	2.0	GL	10+	Average shape and form.	C1
	Cotoneaster	mature			Е	2.0			C .	
	frigidus				S	2.0				
					W	4.0				
Recom	nendations									
Specime	en worthy of consid	eration to	retenti	on.						
T519	Holly	Mature	S1 14	8	N	4.0	GL	10+	Average shape and form.	C1
			S2 13	•	Е	4.0				
	liex aquitollum		S3 13		S	3.0				
					W	3.0				
Recomm Specime	nendations en worthy of consid	leration fo	r retenti	on.						
T520	Sycamore	Youna	26	8	N	0.0	2.5	20+	Specimen on boundary with access	B3
	Acer	5		-	Е	1.0			location. Crown forks to two at 1.5m	
	pseudoplatanus				S	4.0				
					W	1.0				
Recomm Specime	<u>nendations</u> en worthy of consid	leration fo	r retenti	on.						
			<u>.</u>						2	
T521	Sycamore	Mature	S1 42	14	N	5.0	1.0	20+	Specimen at boundary with access	B3
rof	ACEr		52 15 62 14		E	5.U			iocation. One mature stem with three	
T521	pseudopiatanus		53 14 S4 0		S	5.0 5.0			arowth to base. Stem four damaged at	
Recomm	nendations		04 9		vv	5.0			1m.	
Fell sterr	n four. Specimen v	vorthy of c	onside	ration for	rete	ention.				

<u>Tree</u> Number	Species	Life Stage	DBH cm	Height Metres	<u>C</u> <u>S</u>	rown pread letres	<u>Crown</u> <u>Height</u> <u>M</u> etres	<u>Est</u> Cont Years	Comments	BS5837 : 2012 Category
T522	Ash Fraxinus excelsior	Mature	S1 43 S2 46	19	N E S	8.0 8.0 8.0	4.0	20+	Twin stemmed substantial specimen at boundary of survey area and property. Dead wood on stem two over drive	B3
Recom	nendations				W	8.0		,	towards property.	
Prune to	remove dead wood	and pru	ne to cro	own clea	n. t	specin	nen wortr	ny of co	onsideration for retention.	
T523	Ash	Semi	14	16	N	4.0	4.0	20+	Specimen of average shape and form.	B1
	Fraxinus excelsior	mature			E S W	1.0 4.0 1.0				
<u>Recomr</u> Specime	<u>nendations</u> en worthy of conside	eration fo	r retenti	on.						
T524	Ash Fraxinus excelsior	Semi mature	S1 18 S2 15	11	N E S W	0.0 4.0 3.0	5.0	10+	Twin stemmed from base with crown growth pattern to east due to closed upper crown canopy. Stem two has structural weakness at 2 5m and open	C3
<u>Recomr</u> Fell sten	<u>nendations</u> n two. Specimen w	orthy of c	onsidera	ation for	rete	ntion.			lateral cavity on east aspect.	
T525	Elm Ulmus spp	Young	15	11	N E S	3.0 3.0 3.0	2.0	20+	Specimen of average shape and form.	B1
Recom	nendations	eration fo	r retenti	on.	W	3.0				
T526	Silver Birch Betula pendula	Mature	28	16	N E S	4.0 4.0 4.0	3.0	20+	Stock fence fused into main stem.	B3
Recom	nendations				W	4.0				
Specime	en worthy of consider	eration fo	r retenti	on.						
T527	Sycamore Acer	Mature	62	15	N E	4.0	2.0	20+	Specimen of average shape and form with scaffold branch over survey area.	B3
	pseudopiatanus				S W	6.0 4.0				
Recomm Side pru	nendations une scaffold branch	and crov	vn raise	to 5 met	res	Spec	imen wor	thy of a	consideration for retention.	
						0,000				
T528	Oak	Mature	45	20	N F	3.0 7.0	5.0	20+	On edge of grass area, Minor decay	B1
	Quercus robur				S W	5.0 3.0			aspect. Minor dead wood in crown.	
Recom	nendations		4							
Prune to	remove dead wood	and pru	ne to cro	own clea	n. t	specin	nen wortr	ny of co	onsideration for retention.	
T529	Sycamore Acer	Mature	34	17	N E	3.0 4.0	4.0	20+	Crown forks to two at 3.5m.	B1
	pseudoplatanus				S W	2.0 2.0				
<u>Recomr</u> Specime	<u>nendations</u> an worthy of conside	eration fo	r retenti	on.						
T530	Sycamore	Mature	37	22	N	2.0	4.0	20+	Specimen of good shape and form.	B1
	Acer pseudoplatanus				E S W	5.0 5.0 2.0				
Recomm Specime	nendations	eration fo	r retenti	on.	-					

_					<u>C</u>	rown	Crown	Est		BS5837 :
<u>Tree</u> Number	Species	Life Stage	<u>DBH</u> cm	Height Metres	<u>. Sp</u> м	oread	Height Metres	Cont Years	Comments	2012 Category
T531	Sycamore	Mature	S122	19	N	4.0	2.0	20+	Six stems from coppice. Stems three /	B3
	Acer		S2 24		Е	4.0			four in centre of coppice, dead, dying,	
	pseudoplatanus		S3 11		S	4.0			dangerous.	
			S4 15		W	4.0				
Recomm	nendations		S5 39	S6 33						
Fell stem	s three and four.	Specimen	worthy	of consi	dera	tion fo	r retentic	on.		
T532	Oak	Mature	51	21	Ν	6.0	GL	<10	Mature stand alone dead, dying,	U
Photo	Quercus robur				Е	6.0			dangerous Oak in advanced stages of	
ref:	Quereus robui				S	6.0			decline.	
T532					W	6.0				
Recomm	nendations									
Fell. Spe	ecimen not worthy	of retentio	on.							
T533	Yew	Semi	S1 15	4	Ν	2.0	1.0	20+	Twin stemmed from base. Stem two	B3
	Taxus baccata	mature	S2 30		Е	3.0			has extensive decay and extensive	
	raxuo buobulu				S	3.0			established Ivy on main stem and	
					W	3.0			crown.	
Recomm	hendations					- e				
Fell stem	i two. Specimen w	ortny of c	onsidera	ation for	retei	ntion.				
T534	Yew	Semi	S1 20	6	Ν	4.0	1.0	20+	Twin stemmed from base. Crown	B3
	Taxus haccata	mature	S2 16		Е	1.0			growth pattern over survey area	
	Taxus baccala				S	1.0			boundary to the west.	
					W	4.0				
Recomm	nendations									
Specime	n worthy of consid	leration to	r retenti	on.						
T535	Yew	Semi	19	4	Ν	4.0	1.0	20+	Single stem specimen growing beneath	B3
	Tayua baaasta	mature			Е	0.0			T534 and growing over west boundary	
	Taxus Daccata				S	0.0			of survey area at virtually 90°	
					W	0.0				
Recomm	nendations									
Specime	n worthy of consid	leration fo	r retenti	on.						
T536	Yew	Semi	S1 14	4	N	1.0	1.0	20+	Three stemmed from base. Ivv starting	B3
		mature	S2 16		E	1.0			to form. Low around covering	
	Taxus baccata		S314		S	1.0			branches.	
					W	1.0				
Recomm	nendations									
Sever Ivy	/ at base with hand	d saw. Sp	ecimen	worthy c	of co	nsider	ation for	retentio	on.	
T537	Yew	Young	11	2	N	10	10	10+	Pair of young Yew trees growing close	C1
	- , , ,	rearig		-	E	1.0			to ground and suppressed in growth.	
	Taxus baccata				S	1.0			3	
					W	1.0				
Recomm	nendations									
Specime	n worthy of consid	leration fo	r retenti	on.						
T538	Cherry Laurel	Young	8	3	N	1.0	GL	10+	Pair of young Laurel at fence line	C1
	Prunus		-	-	E	1.0			boundary acting as screening.	
	laurocerasus				s	1.0				
					W	1.0				
Recomm	nendations									
Specime	n worthy of consid	leration fo	r retenti	on.						
T539	Yew	Youna	10	3	N	2.0	GL	20+	Specimen last tree in plot. Good	B3
	Tayun basasta	5			Е	2.0			extension growth this season.	
	TAXUS DAUCATA				S	0.0				
					W	0.0				
Recomm	nendations									
Specime	n worthy of consid	leration fo	r retenti	on.						
L										

Tree Number	Species	Life Stage	DBH cm	<u>Height</u> Metres	C Sr M	rown oread	Crown Height Metres	<u>Est</u> Cont Years	Comments	BS5837 : 2012 Category
T540	Holly	Mature	S1 20	9	N	4.0	1.0	10+	Specimen of average shape and form	C1
	llov oguifolium		S2 22		Е	4.0			forking to two stems at 0.6m	
	nex aquironum				S	4.0				
_					W	4.0				
Recomn	nendations									
Specime	en worthy of consid	eration to	r retenti	on.						
T541	Laburnum	Mature	S1 19	9	N	4.0	GL	10+	Crown forks at 1m. Major stem from	C3
	Laburnum		S2 52	-	E	2.0			base to east. Stem one with lateral	
	anagyroides				S	3.0			fracture. Specimen in decline with	
					W	4.0			extensive dead wood.	
Recomn	nendations									
Fell stem	one. Prune to rer	nove dead	d wood a	and prun	e to	crown	clean. S	Specim	nen worthy of consideration for retention.	
T542	Sycamore	Mature	S1 31	13	Ν	4.0	2.0	<10	Three stemmed from 0.5m. Each stem	U
Photo	Acer		S2 23		Е	4.0			has internal basal decay / cavity.	
ref:	pseudoplatanus		S3 16		S	4.0				
_T542					W	4.0				
Recomn	nendations									
Fell. Spe	ecimen not wortny	of retentio	n.							
T543	Ash	Mature	31	22	Ν	8.0	6.0	20+	Specimen of good shape and form.	B1
	Fraxinus				Е	8.0				
	excelsior				S	8.0				
					W	8.0				
Recomn	nendations	oration fo	r rotonti	00						
Specifie		eration to	reteriti	on.						
T544	Elm	Mature	S1 57	16	Ν	6.0	2.0	40+	Twin stemmed from 1m substantial	A1
	l Ilmus son		S2 86		Е	5.0			specimen. Stem one has acute lean	
	Onnus spp				S	8.0			into paddock area. Dead wood	
_					W	8.0			present.	
Recomn Specime	nendations	oration fo	r rotonti	00						
Specifie		eralion io	reteriti	011.						
T545	Sycamore	Mature	S1 19	15	Ν	3.0	2.0	20+	Twin stemmed from base.	B3
	Acer		S2 24		Е	2.0				
	pseudoplatanus				S	5.0				
Basama	andationa				VV	5.0				
Specime	nerications on worthy of consid	eration fo	r rotonti	on						
opeenne		eration to	reteriti	011.						
T546	Sycamore	Mature	S1 18	17	Ν	5.0	4.0	20+	Twin stemmed from base.	B3
	Acer		S2 27		Е	4.0				
	pseudoplatanus				S	6.0				
_					W	4.0				
Specime	nendations in worthy of consid	eration fo	r retenti	on.						
Cpeeline		01000110								
T547	Holly	Semi	S1 9	3	Ν	2.0	0.5	10+	Multi stemmed specimen from base. Of	C3
	llex aquifolium	mature	S2 13		Е	2.0			average shape and form with main	
	-				S	2.0			stem dead. Of no Health an Safety	
Recomm	endations				٧V	2.0			concern due to aspect, size and	
Specime	n worthy of consid	eration fo	r retenti	on.						
T548	Holly	Young	S1 8	3	Ν	1.0	GL	10+	Average shape and form.	C3
	llex aquifolium		S2 5		E	1.0				
	-				S	1.0				
Recomm	endations				٧V	1.0				
Specime	n worthy of consid	eration fo	r retenti	on.						

<u>Tree</u> Number	Species	Life Stage	DBH cm	<u>Height</u> Metres	<u>C</u> Sp M	rown oread etres	Crown Height Metres	<u>Est</u> Cont Years	Comments	BS5837 : 2012 Category
T549	Holly	Semi	S1 13	6	N	0.0	GL	10+	Three stemmed from base, of average	C3
	llex aquifolium	mature	S2 12		Е	0.0			shape and form.	
	1107, 0492 2.12		S3 7		S	3.0				
Recomm	nendations				VV	3.0				
Specime	en worthy of consid	leration fo	r retenti	on.						
	-									
T550	Holly	Young	9	5	N	1.0	1.5	10+	Single stemmed specimen growing at	C3
	llex aquifolium				E S	1.0 1.0			45° due to 1547, 1548 and 1549.	
					w	1.0				
<u>Recomn</u> Specime	nendations on worthy of consid	leration fo	r retenti	on.						
T551	Svcamore	Mature	33	16	N	3.0	GL	10+	Specimen on edge of survey area and	C3
Photo	Acer	-	-		Е	3.0	-		being used as a fence strainer.	
ref:	pseudoplatanus				S	4.0			Specimen has fused over wire.	
T551					W	4.0				
Specime	nendations	eration fo	r retenti	on.						
T552	Ash	Mature	40	22	Ν	8.0	9.0	20+	Specimen of good shape and form.	B3
	Fraxinus				Е	8.0				
	excelsior				S	8.0				
Recomn	nendations				VV	8.0				
Specime	n worthy of consid	eration for	r retenti	on.						
T553	Sycamore	Semi	21	17	N	3.0	2.0	20+	Specimen at base of T552 and of	B1
	Acer	mature			E	6.U			average shape and form.	
	pseuuopiatarius				W	3.0 3.0				
Recomn	ne <u>ndations</u>				• •	0.1				
Specime	n worthy of conside	eration for	r retenti	on.						
T554	Ash	Mature	26	22	N	8.0	8.0	20+	Specimen on boundary with	B1
	Fraxinus				E S	8.U 8.0			neighbouring property.	
	CLOCISION				w	8.0				
Recomn	nendations				• •	0.0				
Specime	n worthy of conside	eration for	r retenti	on.						
T555	Ash	Young	13	9	N	1.0	6.0	10+	Specimen of poor shape and form	C3
	Fraxinus				E	1.U			being adjacent to and suppressed in	
	exceisioi				W	1.0			grown by 1554.	
Recomm	ne <u>ndations</u>				••					
Specime	in worthy of conside	eration for	r retenti	on.						
T556	Ash	Young	14	9	N	2.0	7.0	10+	Specimen on boundary with	C3
	Fraxinus				E	2.0			neighbouring property.	
	exceisior				S W	2.0				
Recomm	nendations				••	2.0				
Specime	n worthy of conside	eration for	r retenti	on.						
T557	Cherry Laurel	Mature	27	8	Ν	9.0	9.0	20+	Extensive group of mature Laurel near	B2
	Prunus				E	9.0			former shallow pond.	
	laurocerasus				S	9.0				
Recomn	nendations				vv	9.0				
Group a	acting at natural se	creen bet	ween c	ardens.	Ρrι	une ba	ack to be	oundar	y and crown thin required. Specimen	worthy of
consider	ration retention.		0					-		

Tree	Species	<u>Life</u>	DBH	<u>Height</u>	<u>C</u> Sr	rown oread	Crown Height	Est Cont		BS5837 : 2012
T558	Ash	Mature	26	20		8 0	Metres	<u>rears</u> 20⊥	Mature specimen contained within	Category B1
1000	Fravinus	Mature	30	20		0.0	9.0	20+	lourel group TEEZ	ы
	evcelsion				5	8.0			Laurei group 1557.	
	CACCISION				w	8.0				
Recomm	nendations					0.0				
Specime	en worthy of consid	eration fo	r retenti	on.						
T559	Sycamore	Mature	30	17	Ν	7.0	8.0	20+	Specimen within dense Laurel group to	B1
	Acer				E	7.0			rear of T558.	
	pseudoplatanus				S	7.0				
Becom	nondationa				VV	7.0				
Specime	en worthy of consid	eration fo	r retenti	on.						
T560	Sycamore	Semi	18	15	Ν	5.0	8.0	20+	Specimen at boundary with crown over	B3
	Acer	mature			Е	5.0			neighbouring garden. Minor dead	
	pseudoplatanus				S	5.0			wood in crown of no concern.	
					W	5.0				
Recomm Specime	<u>nendations</u> en worthy of consid	eration fo	r retenti	on.						
T561	Sycamore	Mature	27	18	N	5.0	9.0	20+	Specimen contained in Laurel group.	B1
	Acer				Е	5.0				
	pseudoplatanus				S	5.0				
					W	5.0				
Recomn Specime	nendations on worthy of consid	eration fo	r retenti	on.						
T562	Sycamore	Semi	13	15	Ν	4.0	10.0	20+	Specimen at side of dry pond.	B3
	Acer	mature			Е	4.0				
	pseudoplatanus				S	4.0				
					W	4.0				
Recom	nendations									
Specime	en worthy of consid	eration fo	r retenti	on.						
T563	Holly	Mature	S1 30	15	N	5.0	1.5	40+	Unusual specimen for age of species.	A3
	llex aquifolium		S2 27		E	5.0			Stem one grows at 45° from base then	
					S	5.0			grows vertical. The specimen is a	
Basamn	nondationa				VV	5.0			unique feature and could be retained in	
Specime	nerications	oration fo	r rotonti	on					scheme.	
Specifie			rielenii	011.						
T564	Svcamore	Mature	35	16	N	6.0	5.0	20+	Stem forks at 2m. Minor of stems has	B3
	Acer				Е	6.0			damage at circa 3.5m from crossing	
	pseudoplatanus				S	6.0			and rubbing branch.	
					W	6.0			-	
Recomm	nendations									
Specime	en worthy of consid	eration fo	r retenti	on.						
T565	Sycamore	Mature	27	16	Ν	7.0	7.0	20+	Specimen of average shape and form.	B1
	Acer				Е	7.0				
	pseudoplatanus				S	7.0				
					W	7.0				
Specime	nendations en worthy of consid	eration fo	r retenti	on.						
T566	Sycamore	Mature	30	18	Ν	7.0	9.0	20+	Specimen of average shape and form.	B1
	Acer				Е	7.0				
	pseudoplatanus				S	7.0				
					W	7.0				
Recomm Specime	<u>nendations</u> en worthy of consid	eration fo	r retenti	on.						

<u>Tree</u> Number	Species	Life Stage	DBH cm	<u>Height</u> Metres	C Sp M	rown oread etres	Crown Height Metres	<u>Est</u> Cont Years	Comments	BS5837 : 2012 Category
T567	Yew	Young	12	4	N	1.0	1.0	<10	Specimen in advanced stages of	U
	Taxus bacasta	•			Е	1.0			decline with basal cavity / decay.	
	Taxus baccala				S	1.0				
L					W	1.0				
Recom	nendations									
Fell. Sp	ecimen not worthy	of retention	on.							
T568	Svcamore	Mature	50	13	N	6.0	2.0	<10	Dead, dving, dangerous specimen in	1 U
	Acer				Е	6.0			advanced stages of decline.	
	pseudoplatanus				S	6.0			U U	
					W	6.0				
<u>Recomr</u> Fell. Sp	nendations ecimen not worthy	of retention	on.							
T560		Somi	15	0	N	2.0	1.0	<10	Structural fault on main stom at 2 5m	
Dhoto		mature	15	0		3.0	1.0	<10	due to crossing and rubbing secondary	
rof	llex aquifolium	mature			ŝ	0.0			branch from T568	
T569					w	0.0			branch nom 1990.	
Recom	nendations					0.0				
Fell. Sp	ecimen not worthy	of retention	on.							
T570	Cherry Laurel	Mature	S1 14	5	Ν	6.0	GL	10+	Low spreading crown. Specimen to	C1
	Prunus		S2 16		Е	6.0			base of T571.	
	laurocerasus		S3 15		S	1.0				
			S4 12		W	1.0				
Recom	nendations		S5 16							
Prune to	side prune crown	to main si	iems. S	pecimen	wor	thy of	considei	ration fo	or retention.	
T571	Svcamore	Mature	35	19	N	4.0	10.0	10+	Specimen of average shape and form.	C1
	Acer				Е	4.0				
	pseudoplatanus				s	4.0				
					W	4.0				
Recomm	nendations									
Specime	n worthy of consid	leration fo	r retenti	on.						
T572	Holly	Mature	S1 13	12	N	3.0	3.0	<10	Four main stems with damage, decay	, U
			S2 17		Е	3.0			and included bark. Stem one has	5
	llex aquifolium		S3 18		S	3.0			internal decay and is dying back.	
			S4 18		W	3.0			Stem two with damage at 1.5m	
Recomm	nendations								-	
Fell. Sp	ecimen not worthy	of retention	on.							
TE 70	Charmy Laural	Carrol	4.4	6	NI	1.0		10.	Circo 10 stores at hoursdam, with	
1573	Drupuo	Semi	14	6		2.0	GL	10+	Circa 10 sterns at boundary with	. 62
	laurocorasus	mature			6	3.0			houndary	
	1801 0001 8303				w	1.0			boundary.	
Recomm	nendations				• •	1.0				
Prune to	side prune crown	n to main	stems a	and back	k to	bound	ary. A f	further	option would be to reduce the stems to	1.5m and
maintain	as hedge. Specin	nens wort	hy of co	nsiderati	ion f	or rete	ention as	they of	fer valuable screening.	
T574	Cherry Laurel	Mature	20	6	Ν	6.0	2.0	10+	Two secondary branches causing	C3
	Prunus				Е	7.0			damage to T575 at boundary.	
	laurocerasus				S	0.0				
					W	0.0				
Recomm	nendations									
Prune to	side prune crowr	n to main	stems a	and back	k to	bound	ary. A f	further	option would be to reduce the stems to	1.5m and
maintain	as hedge. Specin	nens wort	hy of co	nsiderati	ion f	or rete	ention as	they of	fer valuable screening.	
1575	Ash	Mature	19	14	N	4.0	8.0	<10	Dead, dying, dangerous specimen at	i U
Photo	⊢raxinus				E	4.0			boundary with stem damage at 2m.	
ret:	excelsior				S	4.0				
15/5 Becom	mandationa				VV	4.0				
Foll So	neridations	of rotont	n							
1 cii. Sp	connen not worthy		<i>.</i>							

Tree		1.160	DBU	Halaht	<u>C</u>	rown	Crown	Est		BS5837 :
Number	Species	Stage	<u>овн</u> ст	Metres	<u>Sp</u> Me	etres	Metres	Years	Comments	Category
T576	Sycamore	Mature	32	7	N	3.0	5.0	10+	45° growth pattern parallel with	C3
	Acer				Е	3.0			boundary.	
	pseudoplatanus				S	3.0				
					W	3.0				
Specime	nendations on worthy of conside	aration for	rotonti	on						
opecime			Teleriu	011.						
T577	Leylandii	Young	22	13	Ν	3.0	GL	20+	Twenty two specimens planted as	B2
Photo	X Cuprocyparis	Semi			Е	1.0			screening. Growth rates have varied	
ref:	leylandii	mature			S	1.0			due to aspect.	
T577		Mature			W	1.0				
Specime	nendations	deration fo	r roton	tion						
Specifie			reteri	uon.						
T578	Apple	Over	20	8	Ν	1.0	3.0	<10	Dead, dying dangerous specimen in	U
	Malus domestica	mature			Е	2.0			centre of survey area with half of crown	
	Maids domestica				S	3.0			missing.	
L					W	3.0				
Recomn	nendations	of rotontio	n							
reii. Sp	ecimen not worthy t	JI Telenilo	n.							
T579	Oak	Over	57+	18	Ν	1.0	3.0	<10	Twin stemmed from 0.5m with one stem	U
Photo	Quorque robur	mature			Е	0.0			having failed completely at 1m and is	
ref:	Quercus robui				S	6.0			hung up in adjacent trees.	
T579					W	6.0				
Recom	nendations									
Fell. Sp	ecimen not wortny o	or retentio	n.							
T580	Holly	Semi	15	12	N	3.0	GL	10+	Specimen of average shape and form.	C3
	llassaanifalisma	mature			Е	1.0	-		This specimen may need to be felled	
	nex aquironum				S	1.0			due to T579.	
					W	3.0				
Recom	nendations									
Specime	en worthy of conside	eration for	retenti	on.						
T581	Svcamore	Semi	17	16	N	3.0	4.0	10+	Specimen of average shape and form.	C3
	Acer	mature			Е	3.0			This specimen may need to be felled	
	pseudoplatanus				S	3.0			due to T579.	
					W	3.0				
Recom	nendations									
Specime	en worthy of conside	eration for	retenti	on.						
T582	Sycamore	Mature	24	18	N	5.0	9.0	10+	Specimen of average shape and form	C3
1002	Acer	mataro		10	E	5.0	0.0	101	This specimen may need to be felled	00
	pseudoplatanus				S	5.0			due to T579.	
					W	5.0				
Recom	nendations									
Specime	en worthy of conside	eration for	retenti	on.						
T583	Ach	Mature	27	18	N	40	30	20+	The stem and crown of T579 are build	B3
1000	Fraxinus	Matare	21	10	E	4.0	0.0	201	up in the crown. This specimen may	BU
	excelsior				s	4.0			need to be felled due to T579.	
					W	4.0				
Recomm	nendations									
Specime	en worthy of conside	eration for	retenti	on.						
T584	Sycamore	Matura	24	16	N	40	60	10.+	The stem and crown of T570 are build	<u> </u>
1304	Fraxinus	mature	24	10	E	4.0	0.0	10 1	up in the crown. This specimen may	00
	excelsior				s	4.0			need to be felled due to T579.	
					W	4.0				
Recomm	nendations									
Specime	en worthy of conside	eration for	retenti	on.						

Tree	Creation	<u>Life</u>	DBH	<u>Height</u>	<u>C</u> Sp	rown oread	Crown Height	Est Cont	Commente	<u>BS5837 :</u> <u>2012</u>
T585	Oak	Over	S1 26	16	N	0.0	5.0		Specimen at boundary of and in falling	
1505	Oak	mature	S2 18	10	F	6.0	0.0	<10	distance of neighbouring property	0
	Quercus robur	mataro	S3 33		s	6.0			Specimen dead, dying, dangerous in	
					W	0.0			advanced stages of decline with	
Recomn	nendations								extensive Ivy cover.	
Fell. Sp	ecimen not worthy o	of retention	on.							
T586	Sycamore	Young	8	6	Ν	1.0	1.0	<10	Dead, dying, dangerous young	U
	Acer				E	1.0			specimen.	
	pseudoplatanus				S	1.0				
<u>Recomn</u> Fell. Spo	nendations ecimen not worthy o	of retention	on.		vv	1.0				
T587	Ash	Young	S1 15	8	Ν	1.0	1.0	<10	Twin stemmed dead, dying, dangerous	U
	Fraxinus	-	S2 15		Е	1.0			specimen.	
	excelsior				S	1.0				
_					W	1.0				
Recomn Fell. Spo	nendations ecimen not worthy o	of retentio	on.							
T588	Leylandii	Young	15	5	Ν	1.0	1.0	10+	Specimen at boundary.	C1
	X Cuprocyparis	-			Е	1.0				
	leylandii				S	1.0				
					W	1.0				
Recomn Specime	nendations n worthy of conside	eration fo	r retenti	on.						
T589	Sycamore/ Elm	Young	10	5	Ν	1.0	GL	<10	Sycamore and Elm coppice of ten	U
	Coppice				E	1.0			stems.	
					S	1.0				
Recomn Recoppi	n <u>endations</u> ce / fell. Specimen	s not wor	thy of re	etention.	vv	1.0				
T590	Sycamore	Semi	21	17	Ν	3.0	7.0	10+	Specimen of average shape and form.	C1
	Acer	mature			Е	3.0				
	pseudoplatanus				S	3.0				
					W	3.0				
<u>Recomn</u> Specime	nendations n worthy of conside	eration fo	r retenti	on.						
T591	Beech	Young	14	15	Ν	3.0	7.0	10+	Specimen of average shape and form.	C1
	Facus sylvatica	-			Е	3.0				
	r agus syrvanca				S	3.0				
_					W	3.0				
Recomn Specime	nendations on worthy of conside	eration fo	r retenti	on.						
T592	Holly	Young	12	6	Ν	1.0	1.5	10+	Specimen of average shape and form.	C1
	llex aquifolium	-			Е	1.0				
	non aquitonum				S	1.0				
					W	1.0				
Recomn Specime	nendations on worthy of conside	eration fo	r retenti	on.						
T593	Sycamore	Semi	34	18	Ν	4.0	7.0	20+	Specimen of average shape and form	B3
	Acer	mature			Е	4.0			but may need to be felled due to T579.	
	pseudoplatanus				S	4.0				
					W	4.0				
Recomn	nendations									
Specime	n worthy of conside	eration fo	r retenti	on.						

					С	rown	Crown	Est		BS5837 :
Tree Number	Species	Life Stage	DBH cm	Height Metres	<u>Sp</u>	oread	Height Metres	Cont	Comments	2012 Category
T594	Holly	Semi	S1 14	4	N	2.0	GL	<10	Five stems from coppice.	U
		mature	S2 15		Е	2.0			···· ····	
	liex aquifolium		S3 6		S	2.0				
			S4 7		W	2.0				
Recomm	nendations		S5 6							
Fell. Sp	ecimen not worthy	of retention	on.							
T595	Sycamore	Semi	18	15	Ν	4.0	7.0	10+	Specimen of average shape and form.	B3
	Acer	mature			Е	1.0				
	pseudoplatanus				S	1.0				
Decem	nen detiene				W	4.0				
Specime	en worthy of consid	leration fo	r retenti	on.						
T596	Ash	Over	S1 19	6	Ν	0.0	2.0	<10	Dead, dying, dangerous stump, twin	ı U
	Fraxinus	mature	S2 13		Е	0.0			stemmed from base with crown fork at	t in the second s
	excelsior				S	0.0			2m.	
					W	0.0				
<u>Recom</u> Fell. Sp	nendations ecimen not worthy	of retentio	on.							
T597	Ash	Semi	S1 24	18	N	1.0	7.0	10+	Specimen at immediate boundary.	C1
	Fraxinus	mature	S2 14		Е	4.0			Extensive established Ivy on main stem	ı
	excelsior		S3 14		S	4.0			and crown, prevents full and complete	
					W	4.0			analysis. Stem two with 45° lean over	
Recomm	nendations								boundary with dead wood.	
Urgent.	Sever Ivy at base	with hand	saw.	Fell stem	two	due	to bound	ary infi	ringement. Specimen worthy of consid	eration for
retention). Oran ann ann	Value	4.4	45	N 1	0.0	44.0	10	I have a second with second second	
1598	Sycamore	roung	11	15		0.0	11.0	<10	opper crown with growth pattern	
	nseudonlatanus				S	1.0			property	
	pseudopiatarius				w	1.0			property.	
Recomm	nendations									
Fell. Sp	ecimen not worthy	of retention	on.							
T599	Svcamore	Semi	19	15	N	2.0	5.0	10+	Specimen of average shape and form.	C1
	Acer	mature			Е	2.0				
	pseudoplatanus				S	2.0				
					W	2.0				
Recomm	nendations									
Specime	en worthy of consid	leration fo	r retenti	on.						
T600	Ash	Young	S1 10	8	Ν	0.0	N/A	<10	Twin stemmed from base. Specimen	U U
	Fraxinus	-	S2 10		Е	0.0			dead, dying, dangerous.	
	excelsior				S	0.0				
					W	0.0				
Recom	nendations									
Fell. Sp	ecimen not worthy	of retention	on.							
T601	Sycamore	Mature	21	18	Ν	4.0	4.0	20+	Specimen of average shape and form.	B3
	Acer				E	1.0				
	pseudoplatanus				S	1.0				
					W	1.0				
Specime	nendations	loration fo	r roton ⁴	on						
Specime	IN WORKING OF CONSID	ieralion fo	retenti	UN.						
T602	Ash	Mature	39	20	Ν	6.0	9.0	20+	Scaffold branch from 1m, dead wood in	B3
	Fraxinus				E	6.0			crown.	
	excelsior				S	5.0				
Bagar	nondations				٧V	5.0				
Prupo *		hranch o	nd nrum	na to ror	nov <i>*</i> ~	door	l wood a	nd or	we clean Specimen worthy of consid	oration for
rotontion	S TETHOVE SCATION	STATICTT à			iove	uedu			win clean. Opecimen worting of CONSIC	

					<u>C</u>	rown	Crown	Est		BS5837 :
<u>Tree</u> Number	Species	Life Stage	DBH cm	Height Metres	Sp M	oread etres	Height Metres	Cont Years	Comments	2012 Category
T603	Wych Elm	Young	9	10	N	2.0	7.0	10+	Specimen of poor shape and form.	C1
	Ulmus glabra				Ē	2.0			1	
					W	2.0 2.0				
Recomm	nendations				••	2.0				
Specime	n worthy of conside	eration fo	r retenti	on.						
T604	Sycamore	Semi	S1 25	17	Ν	3.0	10.0	20+	Twin stemmed from base.	B3
	Acer	mature	S2 16		E	2.0				
	pseudoplatanus				S	1.0				
Recom	nendations				vv	1.0				
Specime	in worthy of conside	eration fo	r retenti	on.						
T605	Sycamore	Semi	19	17	N	4.0	5.0	20+	Specimen of good shape and form.	B3
	Acer	mature			E	2.0				
	pseudopialarius				w	2.0 4.0				
Recomm	nendations									
Specime	n worthy of conside	eration fo	r retenti	on.						
T606	Ash	Mature	27	18	Ν	4.0	10.0	10+	Crown looking sparse.	C1
	Fraxinus				Е	6.0				
	excelsior				S	4.0				
Pecom	nondations				VV	4.0				
Specime	n worthy of consider	eration fo	r retenti	on.						
T607	Cherry	Mature	27	18	N	4.0	6.0	<10	Extensive basal decay	U
	D				Е	4.0				
	Prunus spp				S	1.0				
					W	1.0				
Fell. Sp	nendations ecimen not worthy	of retentic	on.							
T608	Ash	Mature	25	18	Ν	4.0	9.0	10+	Specimen has slight self correcting	B1
	Fraxinus				Е	4.0			lean.	
	excelsior				S	2.0				
Basamn	nondationa				VV	2.0				
Specime	en worthy of consider	eration fo	r retenti	on.						
T600	Sycamore	Maturo	24	18	N	4.0	4.0	10+	Average shape and form	B1
1009	Acer	mature	24	10	F	4.0	4.0	10+	Average shape and form.	Ы
	pseudoplatanus				S	4.0				
	<i>I I</i>				W	4.0				
Recomm Specime	nendations on worthy of consid	eration fo	r retenti	on.						
T610	Oak	Mature	37	18	N	3.0	9.0	10+	Scaffold branch in upper crown bas	C1
1010		Mataro	0.	10	E	5.0	0.0	101	snapped out and hung up in crown.	
	Quercus robur				S	5.0			3.1	
					W	3.0				
Recom	nendations									
Prune to	remove snapped o	out scattol	d branc	h. Spec	imer	1 worth	ny of con	siderat	ion for retention.	
T611	Sycamore	Mature	S1 25	17	Ν	5.0	7.0	10+	Twin stemmed from base. Specimen in	C1
	Acer		S2 17		E	5.0			open area of survey area.	
	pseudoplatanus				S	3.0				
Recom	nendations				vv	5.0				
Specime	n worthy of conside	eration fo	r retenti	on.						

4.2 Area 3 Survey Data Table Summary.

BS5837 : 2012 Category	BS 5837:2012 Category Description	<u>Sub</u> Category	Quantity
A	Trees of high quality with an estimated remaining life expectancy of at least 40 years.	A1 A3	1 1
В	Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.	B1 B2 B3	23 3 28
С	Trees of low quality with an estimated remaining life expectancy of at least 10 years	C1 C2 C3	32 2 19
U	Trees in such a condition that they cannot realistically be retained as living trees in the context off the current land use for longer than 10 years. This includes those dead, dying or dangerous at time of inspection.	U	23

5.0 Area 3 Root Protection Area Data Table

5.1 The Root Protection Area Data Table is based on stem diameter data gathered at

survey stage and represent the trees with the potential to be considered for retention.

					C	rown	Crown	Est	Radius of	Root	BS5837 :
Tree		Life	DBH	Height	Sp	oread	Height	Cont	circle from	Protection	<u>2012</u>
Number	Species	<u>Stage</u>	<u>cm</u>	Metres	M	etres	<u>Metres</u>	Years	stem base	<u>Area m²</u>	Category
T480	Ash	Semi	S1 17	10	Ν	1.0	3.0	10+	2.5	20	C3
	Fraxinus	mature	S2 18		Е	6.0					
	excelsior				S	0.0					
					W	1.0					
T481	Sycamore	Semi	21	11	Ν	4.0	3.5	10+	2.5	20	C3
	Acer	mature			Е	4.0					
	pseudoplatanus				S	3.0					
					W	1.0					
T484	Wych Elm	Young	10	5	Ν	2.0	3.0	10+	1.2	5	C1
	l Ilmus dabra				Е	2.0					
	Onnus giabra				S	2.0					
					W	2.0					
T485	Holly	Young	S1 7	4	Ν	2.0	GL	10+	1.4	6	C1
	llov oquifolium		S2 12		Е	2.0					
	nex aquilollum				S	2.0					
					W	2.0					
T487	Wych Elm	Semi	S1 22	12	Ν	4.0	4.0	20+	3.2	32	B3
	l Ilmus dabra	mature	S2 8		Е	3.0					
	Ullillus glabra		S3 11		S	1.0					
			S4 19		W	2.0					
T488	Ash	Mature	52	20	Ν	7.0	7.0	20+	6.2	122	B1
	Fraxinus				Е	7.0					
	excelsior				S	7.0					
					W	7.0					
T489	Wych Elm	Semi	S1 18	12	Ν	3.0	3.0	10+	2.8	25	C1
	l Ilmus dabra	mature	S2 22		Е	3.0					
	Onnus giabra				S	3.0					
					W	3.0					
T490	Ash	Semi	15	6	Ν	6.0	3.0	10+	1.8	10	C3
	Fraxinus	mature			Е	1.0					
	excelsior				S	0.0					
					W	5.0					
T492	Ash	Young	14	7	Ν	4.0	2.0	10+	1.7	9	C1
	Fraxinus				Е	1.0					
	excelsior				S	1.0					
					W	4.0					

<u>Tree</u> Number	Species	Life Stage	DBH cm	<u>Height</u> Metres	<u>C</u> Sp M	rown oread etres	<u>Crown</u> <u>Height</u> Metres	<u>Est</u> <u>Cont</u> Years	Radius of circle from stem base	Root Protection Area m ²	<u>BS5837 :</u> <u>2012</u> Category
T493	Ash	Mature	30	20	Ν	6.0	7.0	20+	3.6	41	B3
	Fraxinus				Е	6.0					
	excelsior				S	6.0					
					W	6.0					
T494	Ash	Mature	24	20	Ν	6.0	7.0	20+	2.9	26	B3
	Fraxinus				Е	6.0					
	excelsior				S	6.0					
					W	6.0					
T495	Silver Birch	Mature	23	8	N	2.0	4.0	10+	2.8	24	C1
	Betula pendula				E	1.0					
	-				S	0.0					
T/06	Chorry	Somi	Q1 12	6		0.0	2.5	10+	2.1	1/	C1
1430	Cherry	mature	S2 18	0	F	3.0 4 0	2.5	10+	2.1	14	01
	Prunus spp	mature	02 10		S	1.0					
					w	1.0					
T497	Elm	Mature	57	18	N	7.0	3.0	20+	6.8	147	B1
					Е	7.0					
	Oimus spp				S	7.0					
					W	7.0					
T498	Rhododendron	Mature	S117	5	Ν	5.0	GL	10+	3.7	43	C2
	Rhododendron		S2 17		Е	1.0					
	ponticum		S3 15		S	1.0					
			S4 17		W	5.0					
			S5 17								
T499	Beech	Semi	S1 24	14	N	3.0	2.0	20+	4.0	50	B2
	Fagus sylvatica	mature	S2 11		E	3.0					
			53 15		5	3.0					
			54 24 S5 11		vv	3.0					
T500	Wych Elm	Young	11	9	N	10	1.0	10+	13	5	C1
1000		roung	••	Ũ	E	1.0	1.0	101		Ũ	
	Ulmus glabra				S	1.0					
					W	1.0					
T502	Ash	Semi	26	13	Ν	7.0	2.0	10+	3.1	31	C1
	Fraxinus	mature			Е	0.0					
	excelsior				S	0.0					
					W	7.0					
T503	Beech	Mature	49	22	Ν	5.0	2.0	20+	5.9	109	B1
	Fagus svlvatica				E	5.0					
					S	5.0					
TEOA	Deeeb	Variation	10	7		5.0	0.5		0.0	45	D 4
1504	Beech	roung	18	/		4.0	0.5	20+	2.2	15	BI
	Fagus sylvatica				۲ د	1.0					
					W	4.0					
T505	Holly	Young	S1 14	5	N	3.0	GI	10+	1.6	8	C1
		. e ang	S2 8	Ũ	E	1.0				· ·	
	llex aquifolium				S	1.0					
					W	3.0					
T506	Holly	Young	S1 15	9	Ν	3.0	1.0	10+	1.7	9	C1
	llov og úfolium	5	S2 9		Е	0.0					
	nex aquiioliulli				S	0.0					
					W	3.0					

Tree		Life	ррц	Hoight	C	rown	Crown	Est	Radius of	Root Brotestion	BS5837 :
<u>I ree</u> Number	Species	Lite Stage	DBH	Metres	<u>5p</u> M	otros	Metros	Voare	circle from	Area m ²	<u>2012</u> Category
T507	Holly	Vound	<u>S1 0</u>	3.5		1 0	1.0	10+	1 3	Aleanir	
1507	Tiony	roung	S2 5	0.0	F	1.0	1.0	10+	1.5	5	01
	llex aquifolium		S3.6		S	1.0					
			S4 6		w	1.0					
T508	Hawthorn	Young	9	3.5	N	1.0	1.0	10+	1.1	4	C3
	Crataegus	Ū			Е	0.0					
	monogyna				S	0.0					
					W	1.0					
T509	Oak	Semi	29	20	Ν	4.0	10.0	20+	3.5	38	B1
	Quercus robur	mature			Е	2.0					
					S	2.0					
TE 40	0-1	0	40		W	4.0	10.0	00.	0.0	45	D 4
1510	Oak	Semi	18	20	N	3.0	12.0	20+	2.2	15	B1
	Quercus robur	mature			E	3.0					
					S W	3.0					
T511	Oak	Semi	22	20	N	3.0	10.0	20+	2.6	22	B3
1011	Curr	mature	22	20	F	3.0	10.0	201	2.0	22	BU
	Quercus robur	mataro			S	3.0					
					Ŵ	3.0					
T512	Elm	Mature	60	18	Ν	7.0	2.0	20+	7.2	163	B1
					Е	6.0					
	Olmus spp				S	7.0					
					W	7.0					
T513	Holm Oak	mature	62	18	Ν	7.0	1.5	20+	7.4	174	B1
	Quercus ilex				Е	6.0					
					S	7.0					
TE 4.4	A . I.	0	00	40	W	7.0	44.0	10	0.0	00	
1514	Asn	Semi	22	19		3.0	14.0	10+	2.6	22	UT
	Fraxinus	mature			с с	3.0					
	excelsion				W	3.0					
T515	Ash	Semi	26	16	N	3.0	10.0	10+	31	31	C1
1010	Fraxinus	mature	20	10	E	3.0	10.0	10.	0.1	01	01
	excelsior				S	4.0					
					W	3.0					
T516	Holly	Young	10	7	Ν	2.0	2.0	10+	1.2	5	C1
	llex aquifolium				Е	2.0					
	nex aquitolium				S	2.0					
					W	2.0					
T517	Holly	Young	11	7	N	2.0	2.0	10+	1.3	5	C1
	llex aquifolium				E	2.0					
					5	2.0					
T518	Cotoneaster	Semi	18	6	N	2.0	GI	10+	22	15	C1
1010	Cotoneaster	mature	10	0	F	2.0	0L	10+	2.2	10	
	frigidus	matarG			s	2.0					
					Ŵ	4.0					
T519	Holly	Mature	S1 14	8	N	4.0	GL	10+	2.3	17	C1
	llov og ifolium		S2 13		Е	4.0					
	nex aquiiolium		S3 13		S	3.0					
					W	3.0					

Tree		Life	DBH	Height	<u>C</u> Sp	rown oread	Crown Height	<u>Est</u> Cont	Radius of circle from	Root Protection	BS5837 : 2012
Number	Species	<u>Stage</u>	<u>cm</u>	Metres	Me	etres	Metres	Years	stem base	Area m ²	Category
1520	Sycamore	Young	26	8	N	0.0	2.5	20+	3.1	31	B3
	Acer				E	1.0					
	pseudoplatanus				S	4.0					
T521	Sycamore	Mature	S1 42	14	N	5.0	1.0	20+	47	69	B3
1021	Acer	mature	S2 15	14	F	5.0	1.0	201	4.7	00	50
	pseudoplatanus		S3 14		S	5.0					
	·····		S4 9		Ŵ	5.0					
T522	Ash	Mature	S1 43	19	Ν	8.0	4.0	20+	6.3	125	B3
	Fraxinus		S2 46		Е	8.0					
	excelsior				S	8.0					
	_				W	8.0					
T523	Ash	Semi	14	16	Ν	4.0	4.0	20+	1.7	9	B1
	Fraxinus	mature			E	1.0					
	excelsior				S	4.0					
TEOA	Ach	Comi	61.10		<u>VV</u>	1.0	5.0	10.	0.0	17	<u></u>
1524	ASI	Semi	SI 10 S2 15	11		0.0	5.0	10+	2.3	17	03
	evcelsior	mature	32 15		۲ ۲	4.0					
	excelsion				W	0.0					
T525	Flm	Young	15	11	N	3.0	2.0	20+	1.8	10	B1
1020		roung	10		E	3.0	2.0	20.		10	51
	Ulmus spp				s	3.0					
					W	3.0					
T526	Silver Birch	Mature	28	16	Ν	4.0	3.0	20+	3.4	35	B3
	Botula nondula				Е	4.0					
	Detula periodia				S	4.0					
					W	4.0					
T527	Sycamore	Mature	62	15	Ν	4.0	2.0	20+	7.4	174	B3
	Acer				E	6.0					
	pseudoplatanus				S	6.0					
TEOO	Ook	Moturo	45	20		4.0	5.0	201	E A	02	D1
1528	Oak	Mature	45	20		3.0	5.0	20+	5.4	92	ы
	Quercus robur				۲ ۵	7.0 5.0					
					w	3.0					
T529	Sycamore	Mature	34	17	N	3.0	4.0	20+	4.1	52	B1
	Acer	mataro	0.		E	4.0				-	
	pseudoplatanus				S	2.0					
	,,				W	2.0					
T530	Sycamore	Mature	37	22	Ν	2.0	4.0	20+	4.4	62	B1
	Acer				Е	5.0					
	pseudoplatanus				S	5.0					
					W	2.0					
T531	Sycamore	Mature	S1 22	19	Ν	4.0	2.0	20+	2.4	18	B3
	Acer		S2 24		E	4.0					
	pseudoplatanus		S3 11		S	4.0					
			S4 15	00.00	VV	4.0					
T522	Vow	Somi	SD 39	30 33	N	20	1.0	201	2.2	24	Do
1533	rew	Semi	51 15	4		2.0	1.0	20+	3.3	34	БЗ
	Taxus baccata	mature	32 30		۲ ۲	3.0					
					w	3.0					

Trees		1.14-	DDU	11 a laula (C	rown	Crown	Est	Radius of	Root	BS5837 :
<u>I ree</u> Numbor	Species	Lite Stage	DBH	Height Motros	<u>5p</u> M	otros	Height Metros	Voars	circle from	Aroa m ²	<u>2012</u>
T534	Vow	Somi	S1 20	<u>Metres</u>		4.0	1.0	20+	2.6	21	B2
1554	Tew	moturo	ST 20	0		4.0	1.0	20+	2.0	21	DO
	Taxus baccata	mature	32 10		с с	1.0					
					3 W	1.0					
T535	Vow	Somi	10	1		4.0	1.0	20+	23	16	B3
1000	1.644	mature	15	-	F	0.0	1.0	20+	2.5	10	00
	Taxus baccata	mature			ŝ	0.0					
					w	0.0					
T536	Yew	Semi	S1 14	4	N	1.0	1.0	20+	2.5	20	B3
		mature	S2 16		E	1.0					
	Taxus baccata		S314		s	1.0					
					Ŵ	1.0					
T537	Yew	Youna	11	2	N	1.0	1.0	10+	1.3	5	C1
	-	5			Е	1.0					-
	Taxus baccata				s	1.0					
					W	1.0					
T538	Cherry Laurel	Young	8	3	Ν	1.0	GL	10+	1.0	3	C1
	Prunus	U			Е	1.0					
	laurocerasus				s	1.0					
					W	1.0					
T539	Yew	Young	10	3	Ν	2.0	GL	20+	1.2	5	B3
	Tauna haaaata				Е	2.0					
	Taxus daccata				s	0.0					
					W	0.0					
T540	Holly	Mature	S1 20	9	Ν	4.0	1.0	10+	3.0	28	C1
	llow og uifolium		S2 22		Е	4.0					
	nex aquiiolium				S	4.0					
					W	4.0					
T541	Laburnum	Mature	S1 19	9	Ν	4.0	GL	10+	5.5	95	C3
	Laburnum		S2 52		Е	2.0					
	anagyroides				S	3.0					
					W	4.0					
T543	Ash	Mature	31	22	Ν	8.0	6.0	20+	3.7	43	B1
	Fraxinus				Е	8.0					
	excelsior				S	8.0					
					W	8.0					
T544	Elm	Mature	S1 57	16	Ν	6.0	2.0	40+	10.3	333	A1
	Lilmus soo		S2 86		Е	5.0					
	ennae opp				S	8.0					
					W	8.0					
T545	Sycamore	Mature	S1 19	15	Ν	3.0	2.0	20+	3.0	28	B3
	Acer		S2 24		Е	2.0					
	pseudoplatanus				S	5.0					
					W	5.0					
T546	Sycamore	Mature	S1 18	17	Ν	5.0	4.0	20+	3.2	32	B3
	Acer		S2 27		Е	4.0					
	pseudoplatanus				S	6.0					
					W	4.0					
T547	Holly	Semi	S1 9	3	Ν	2.0	0.5	10+	1.6	8	C3
	llex aquifolium	mature	S2 13		Е	2.0					
					S	2.0					
					W	2.0					

Troo		Lifo	ррц	Hoight	<u>C</u>	rown	Crown	Est Cont	Radius of	Root Brotaction	BS5837 :
Number	Snecies	Stage	cm	Metres	<u>Sp</u> M/	etres	Metres	Years	stem base	Δrea m ²	Category
T548	Holly	Young	S1.8	3	N	1.0	GI	10+	1.0	3	C3
1010	Tiony	roung	S2 5	Ŭ	F	1.0	0L	101	1.0	Ū	00
	llex aquifolium		02 0		S	1.0					
					Ŵ	1.0					
T549	Holly	Semi	S1 13	6	N	0.0	GI	10+	19	11	C3
1010	1 iony	mature	S2 12	Ū	F	0.0	02	101		••	00
	llex aquifolium	matare	S3 7		s	3.0					
			001		Ŵ	3.0					
T550	Holly	Young	9	5	N	1.0	1.5	10+	1.1	4	C3
		U			Е	1.0					
	liex aquitolium				S	1.0					
					W	1.0					
T551	Sycamore	Mature	33	16	Ν	3.0	GL	10+	4.0	49	C3
	Acer				Е	3.0					
	pseudoplatanus				s	4.0					
					W	4.0					
T552	Ash	Mature	40	22	Ν	8.0	9.0	20+	4.8	72	B3
	Fraxinus				Е	8.0					
	excelsior				s	8.0					
					W	8.0					
T553	Sycamore	Semi	21	17	Ν	3.0	2.0	20+	2.5	20	B1
	Acer	mature			Е	6.0					
	pseudoplatanus				S	3.0					
					W	3.0					
T554	Ash	Mature	26	22	Ν	8.0	8.0	20+	3.1	31	B1
	Fraxinus				Е	8.0					
	excelsior				S	8.0					
					W	8.0					
T555	Ash	Young	13	9	Ν	1.0	6.0	10+	1.6	8	C3
	Fraxinus				Е	1.0					
	excelsior				S	1.0					
					W	1.0					
T556	Ash	Young	14	9	Ν	2.0	7.0	10+	1.7	9	C3
	Fraxinus				Е	2.0					
	excelsior				S	2.0					
					W	2.0					
T557	Cherry Laurel	Mature	27	8	Ν	9.0	9.0	20+	3.2	33	B2
	Prunus				Е	9.0					
	laurocerasus				S	9.0					
					W	9.0					
T558	Ash	Mature	36	20	Ν	8.0	9.0	20+	4.3	59	B1
	Fraxinus				Е	8.0					
	excelsior				S	8.0					
					W	8.0					
T559	Sycamore	Mature	30	17	Ν	7.0	8.0	20+	3.6	41	B1
	Acer				Е	7.0					
	pseudoplatanus				S	7.0					
					W	7.0					
T560	Sycamore	Semi	18	15	Ν	5.0	8.0	20+	2.2	15	B3
	Acer	mature			Е	5.0					
	pseudoplatanus				S	5.0					
					W	5.0					

<u>Tree</u> Number	Species	Life Stage	DBH cm	<u>Height</u> Metres	Crown Spread Metres		Crown Height Metres	<u>Est</u> <u>Cont</u> Years	Radius of circle from stem base	Root Protection Area m ²	BS5837 : 2012 Category
T561	Sycamore	Mature	27	18	N	5.0	9.0	20+	3.2	33	B1
1301	Acer	mature	21	10	F	5.0	3.0	20+	0.2	00	ы
	ACCI				C C	5.0					
	pseudopialarius				W	5.0					
T562	Svcamore	Semi	13	15	N	4.0	10.0	20+	1.6	8	B3
	Acer	mature			F	4.0				-	
	pseudoplatanus				s	4.0					
	,,				W	4.0					
T563	Holly	Mature	S1 30	15	Ν	5.0	1.5	40+	4.0	50	A3
	llox oquifolium		S2 27		Е	5.0					
	nex aquilollulli				S	5.0					
					W	5.0					
T564	Sycamore	Mature	35	16	Ν	6.0	5.0	20+	4.2	55	B3
	Acer				Е	6.0					
	pseudoplatanus				S	6.0					
					W	6.0					
T565	Sycamore	Mature	27	16	Ν	7.0	7.0	20+	3.2	33	B1
	Acer				Е	7.0					
	pseudoplatanus				S	7.0					
					W	7.0					
T566	Sycamore	Mature	30	18	Ν	7.0	9.0	20+	3.6	41	B1
	Acer				E	7.0					
	pseudoplatanus				S	7.0					
			01.11		W	7.0	0	4.0			
1570	Cherry Laurel	Mature	S1 14	5	N	6.0	GL	10+	3.3	34	C1
	Prunus		52 16		E	6.0					
	laurocerasus		53 15		5	1.0					
			54 1Z		vv	1.0					
T571	Sycamore	Maturo	35	10	N	4.0	10.0	10+	12	55	C1
1571	Acer	mature	55	13	F	4.0	10.0	10+	7.2	55	01
	nseudonlatanus				S	4.0					
	pseudopialarius				Ŵ	4.0					
T573	Cherry Laurel	Semi	14	6	N	1.0	GI	10+	17	g	C.2
1010	Prunus	mature		Ũ	F	3.0	02	101		Ū	02
	laurocerasus	mataro			s	3.0					
					Ŵ	1.0					
T574	Cherry Laurel	Mature	20	6	Ν	6.0	2.0	10+	2.4	18	C3
	Prunus				Е	7.0					
	laurocerasus				S	0.0					
					W	0.0					
T576	Sycamore	Mature	32	7	Ν	3.0	5.0	10+	3.8	46	C3
	Acer				Е	3.0					
	pseudoplatanus				S	3.0					
					W	3.0					
T577	Leylandii	Young	22	13	Ν	3.0	GL	20+	2.6	22	B2
	X Cuprocyparis	Semi			Е	1.0					
	leylandii	mature			S	1.0					
		Mature			W	1.0					
T580	Holly	Semi	15	12	N	3.0	GL	10+	1.8	10	C3
	llex aquifolium	mature			Ē	1.0					
	•				S	1.0					
1					VV	3.0					

Trac		Life	ррц	Hoight	Crown		<u>Crown</u>	Est	Radius of	Root Brotaction	BS5837 :
<u>I ree</u> Number	Species	Lite Stage	DBH	Metros	Spread Motros		Metros	Voare	circle from	Area m ²	<u>2012</u> Category
T581	Sycamore	Somi	17	16		3.0	<u>Metres</u>	101	2.0	13	
1301	Δcer	mature	17	10	F	3.0	4.0	10+	2.0	15	0.5
	nseudonlatanus	mature			S	3.0					
	pseudopiatanas				w	3.0					
T582	Sycamore	Mature	24	18	N	5.0	9.0	10+	2.9	26	C3
	Acer				Е	5.0					
	pseudoplatanus				S	5.0					
					W	5.0					
T583	Ash	Mature	27	18	Ν	4.0	3.0	20+	3.2	33	B3
	Fraxinus				Е	4.0					
	excelsior				S	4.0					
			~ ~ ~		W	4.0					
T584	Sycamore	Mature	24	16	N	4.0	6.0	10+	2.9	26	C3
	Fraxinus				E	4.0					
	exceisior				5	4.0					
TE 00	Lovlandii	Vouna	15	5		4.0	1.0	101	1 0	10	C1
1000	X Cuprocuparis	roung	15	5		1.0	1.0	10+	1.0	10	CI
	A Cuprocypans levlandii				S	1.0					
	loyianan				w	1.0					
T590	Sycamore	Semi	21	17	N	3.0	7.0	10+	2.5	20	C1
	Acer	mature		••	E	3.0					
	pseudoplatanus				S	3.0					
	,,				W	3.0					
T591	Beech	Young	14	15	Ν	3.0	7.0	10+	1.7	9	C1
	Forus sylvatica				Е	3.0					
	ragus syrvalica				S	3.0					
					W	3.0					
T592	Holly	Young	12	6	Ν	1.0	1.5	10+	1.4	7	C1
	llex aquifolium				E	1.0					
	,				S	1.0					
TE00	0	0	0.1	10	W	1.0	7.0	00		50	Do
1593	Sycamore	Semi	34	18		4.0	7.0	20+	4.1	52	B3
	Acer	mature			E	4.0					
	pseudopiatarius				S W	4.0					
T595	Sycamore	Semi	18	15	N	4.0	7.0	10+	22	15	B3
1000	Acer	mature	10	10	F	1.0	1.0	101	2.2	10	BU
	pseudoplatanus	mataro			S	1.0					
	,				Ŵ	4.0					
T597	Ash	Semi	S1 24	18	Ν	1.0	7.0	10+	3.1	30	C1
	Fraxinus	mature	S2 14		Е	4.0					
	excelsior		S3 14		S	4.0					
					W	4.0					
T599	Sycamore	Semi	19	15	Ν	2.0	5.0	10+	2.3	16	C1
	Acer	mature			Е	2.0					
	pseudoplatanus				S	2.0					
L					W	2.0					
T601	Sycamore	Mature	21	18	N	4.0	4.0	20+	2.5	20	B3
	Acer				E	1.0					
	pseudopiatanus				5	1.0					
					٧V	1.0					

					Crown		Crown	Est	Radius of	Root	BS5837 :
Tree		Life	DBH	Height	Spread		Height	Cont	circle from	Protection	2012
Number	Species	Stage	<u>cm</u>	Metres	Me	etres	Metres	Years	stem base	<u>Area m²</u>	Category
T602	Ash	Mature	39	20	Ν	6.0	9.0	20+	4.7	69	B3
	Fraxinus				Е	6.0					
	excelsior				S	5.0					
					W	5.0					
T603	Wych Elm	Young	9	10	Ν	2.0	7.0	10+	1.1	4	C1
	l Ilmus dabra				Е	2.0					
	onnas grabia				S	2.0					
					W	2.0					
T604	Sycamore	Semi	S1 25	17	Ν	3.0	10.0	20+	3.0	28	B3
	Acer	mature	S2 16		Е	2.0					
	pseudoplatanus				S	1.0					
					W	1.0					
T605	Sycamore	Semi	19	17	Ν	4.0	5.0	20+	2.3	16	B3
	Acer	mature			Е	2.0					
	pseudoplatanus				S	2.0					
					W	4.0					
T606	Ash	Mature	27	18	Ν	4.0	10.0	10+	3.2	33	C1
	Fraxinus				Е	6.0					
	excelsior				S	4.0					
					W	4.0					
T608	Ash	Mature	25	18	Ν	4.0	9.0	10+	3.0	28	B1
	Fraxinus				Е	4.0					
	excelsior				S	2.0					
					W	2.0					
T609	Sycamore	Mature	24	18	Ν	4.0	4.0	10+	2.9	26	B1
	Acer				Е	4.0					
	pseudoplatanus				S	4.0					
					W	4.0					
T610	Oak	Mature	37	18	Ν	3.0	9.0	10+	4.4	62	C1
	Quaraua rabur				Е	5.0					
	Quercus robui				S	5.0					
					W	3.0					
T611	Sycamore	Mature	S1 25	17	Ν	5.0	7.0	10+	3.0	28	C1
	Acer		S2 17		Е	5.0					
	pseudoplatanus				S	3.0					
					W	3.0					

6.0 Area 3 Photographic Evidence

T521. Sycamore. Stem four with damage at 1m.



T532. Oak, dead, dying, dangerous specimen in advanced stages of decline.







T542. Sycamore. Three stemmed with internal decay in each stem.

T551. Sycamore used as staining post with wire fused to main stem.





T569. Holly with structural fault on main stem due to crossing and rubbing branch.

T575. Dead, dying, dangerous specimen with structural fault on stem.







T579. Oak with failed mature stem.





7.0 Root Structure and Root Protection Area

7.1 Rooting systems of trees are made up essentially of two rooting types. Fibrous feeding roots and structural stability roots.

7.2 Fibrous feeding roots are those that absorb water and nutrients from the soil, whilst structural stability roots are those that form a frame that supports the stem and crown.

7.3 The spread of these roots from the base of the stem for single stemmed trees is regarded in BS 5837:2012 as being the area equivalent to a circle with a radius 12 times stem diameter. Diameter, in general, being measured at 1.5m from ground level. For multi stemmed trees the method of calculation differs slightly, but the 12 times stem diameter rule still applies. This area is referred to as the Root Protection Area.

7.4 As tree roots grow radially from the base of the stem they are usually contained within the upper most 30cm – 60cm of soil and can be quite shallow. Fibrous feeding roots are usually in the upper most 30cm where oxygen, moisture and nutrient content is concentrated. Structural stability roots are usually deeper for stability. Local soil conditions have a direct influence on the depth roots will penetrate, for example excessive stoniness may impede root penetration.

7.5 The Root Protection Area is the area where soil disturbance should be avoided as this is likely to damage the rooting system with the consequences of this damage being detrimental to the health and stability of the tree.

7.6 Damage to the fibrous feeding roots will impede the trees ability to absorb oxygen, moisture and nutrients. This is detrimental to the trees health and depending on the degree of disturbance and damage may take 3 to 5 years for the effects of this disturbance to become evident as the tree starts to decline.

7.7 The usual form of damage to the structural stability roots takes the form of being cut / severed during construction and or excavation activities. This form of damage will also have a detrimental effect on the health of the tree but will also affect the trees stability and may weaken the trees ability to withstand wind and storm events. This may predispose the tree to windblow.

8.0 Tree Protection Plan

8.1 During the site clearance and construction phases, BS 5837:2012 recommends the trees to be retained on site should be offered physical protection from damage, however caused. This includes damage to the root zone, known as the Root Protection Area. The Root Protection Area must be kept sterile throughout all stages of design, demolition and construction and must not be disturbed, entered by vehicles or used for the storage of materials or disposal of washings.

8.2 BS 5837:2012 recommends the circumference of the tree protection. That is an area equivalent to a circle with a radius of 12 times the stem diameter at breast height. The circumference of the protective fence should follow the radii from the stem base. This is the minimum area around each tree which should be left undisturbed. Where appropriate on site it will be suitable to install the protection fencing so that it offers physical protection to groups of trees.

8.3 It is further recommended the physical barrier protection should be Heras type fencing in accordance with that as detailed in BS 5837:2012, represented below.



"A" represents supporting struts, if required.

9.0 Arboricultural Survey Recommendations

9.1 Following the site visit, assessment and investigation the following recommendations and those as listed in the Arboricultural Impact Assessment Survey Data Table for the Area 3 proposed development area are proposed.

9.2 With regard to tree protection during site clearance and construction. It is recommended the physical barrier protection should be in accordance with that as detailed in Section 8. Heras fence type protection method as recommended by the British Standard would be suitable.

9.3 During the planning stages of the proposed developments, consideration should be given to the removal of those category three specimens that are likely to impede the development. They are of low quality due to conditions as identified in the Arboricultural Survey Data Table. Removal of such specimens would improve the quality and health and safety status of the retained woodland.

9.4 The Arboricultural work should only be undertaken by a trained, competent fully insured Arboricultural Contractor, familiar with and implementing BS 3998: 2010, Tree work - Recommendations.

9.5 In accordance with good Arboricultural practice and for reasons of Health and Safety, it is further recommended that the tree stock as listed in this Rheda Cross Arboricultural Impact Assessment Report be inspected on an annual basis from the anniversary of the Arboricultural Report survey date by a professional, trained, experienced and competent Arborist following Cumbria Tree Surveys protocols.

Signed: Daniel Bold

Date: 29th August 2019

Daniel Bold M.Arbor.A., N.C.Arb., H.N.D. Arb., N.E.B.O.S.H. Gen Cert Cumbria Tree Surveys



Definitions

The following definitions are based on British Standard 3998 2010, Tree work - Recommendations, British Standard 5837:2012, Trees in relation to design, demolition and construction - Recommendations and Arboricultural terminology.

Tree Structure	
Stem:	Main supporting body / truck of the tree and crown.
Scaffold Branch:	Main supporting branches for the crown and lead off the main stem.
Secondary Branch:	Branches that lead off the scaffold branches.
Tertiary Branches	Those branches that lead off the secondary branches are usually

Those branches that lead off the secondary branches are usually small in diameter and contain the leaf cover.

Crown Raising / Crown Lifting

C b ir h tr o s i c le

Crown Raising / Crown Lifting is the removal of the lowest branches. Crown Raising is an effective method of increasing the height of the crown over a given target / hazard or obstacle. Crown Raising also enables light transmission to areas closer to the tree. At least two thirds of the total height of the tree should remain. Crown lifting should be specified with reference to a fixed point, e.g. "Crown Raise" to give 5.5 metres clearance above ground level'.

Crown Reduction

Crown Reduction is the reduction in height and / or spread of the crown. The final result should retain the main framework of the crown, and a significant proportion of the leaf bearing structure, leaving a similar, although smaller outline. Not all species are suitable for this treatment and crown reduction should not be confused with 'topping', an indiscriminate and harmful treatment



Crown Thinning

Crown Thinning is the removal of a portion of smaller / tertiary branches, usually at the outer crown, to produce a uniform density of foliage around an evenly spaced branch structure. It is usually confined to broad-leaved species. Crown thinning does not alter the overall size or shape of the tree. Material should be removed systematically throughout the tree, should not exceed the stated percentage and not more than 30% overall. Common reasons for crown thinning are to allow more light to pass through the tree, reduce wind resistance and reduce weight It is rarely a once only operation particularly on species that are known to produce large amounts of epicormic growth.

Crown Balance

The method of pruning branches to develop an evenly distributed and weighted crown.

Crown Clean

The method of pruning those branches that are dead, dying, dangerous and deemed to be of poor quality including crossing and rubbing branches.

Side Prune

Method of pruning branches on one side of a tree crown to achieve a clearance from object / obstruction. Similar to Crown Raise.

Coppicing

Cutting trees close to ground level with the intention of encouraging regrowth of multiple shoots. This practice is species and age dependent.

Dead Wood

The pruning of dead, dying branches from the crown of the tree. This may be for the entire crown or specific branches are specified in the Arboricultural Report.

Epicormic Growth

The growing of a previously dormant bud on the main stem or limb of a tree. Often as a result of defoliation or radical pruning.

Fell

The felling or dismantling in sections, of a tree to ground level.

Hedge Laying

The established practice of making and or establishing a hedge by correct cutting and pegging techniques. Stems are cut part way through, laid horizontally and pegged to hold them in position.

Pollarding

Quite a specific process that involves pruning a tree so as to encourage formation of numerous branches arising from the same height on a main stem or principal branches. Important. This process ought to be undertaken on a cyclical basis on trees that have not reached maturity.

Root Protection Area

The minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's viability and where the protection of the roots and soil structure is treated as a priority.

Windblow / Windblown

Complete failure of the tree due to a wind or storm event.

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