

- KEY
- Tree Group to be Retained
 - Tree/Group to be removed to facilitate the proposals
 - Category U - Unsuitable for retention on arboricultural grounds
 - Hedgerow Proposed to be Retained and Incorporated into the New Development
 - Hedgerow Proposed to be Removed to Facilitate the Development upon Approval of the Application
 - Root Protection Area (Shown for retained trees only)
 - Individual / Group Number and BS Category
 - Individual / Group Number to be Removed and BS 5837:2012 Category
 - Indicative Shade Pattern (where appropriate)

Scale 1:1250 @ A1

0 25 50 75 100 125m

NOTES

All dimensions to be verified on site. Do not scale this drawing, use figured dimensions only. All discrepancies to be clarified with project Arboriculturalist. Drawing to be read in conjunction with Arboricultural Assessment and Appendix A - Tree Schedule.

Drawing has been produced in colour and is based on digital information in .dwg format, aerial images and/or GPS location where appropriate. A monochrome copy should not be relied upon. The exact position of individual trees or species included as part of a tree group, woodland or hedgerow should be checked and verified on site prior to any decisions for foundation design, tree operations or construction activity being undertaken. Further survey work would be required for calculating foundation depths.

Trees are living organisms that change over time, the condition of all trees illustrated herein, are to be checked by the project Arboriculturalist should works commence 12 months after the date of this survey.

SOME TREES MAY BE SUBJECT TO STATUTORY CONSTRAINTS. IT IS THEREFORE ADVISED THAT NO WORKS SHOULD BE UNDERTAKEN TO ANY TREES ILLUSTRATED HEREIN WITHOUT FIRST OBTAINING THE RELEVANT AUTHORISATION TO DO SO UNLESS AGREED AS PER THE APPROVED PLANS THROUGH PLANNING CONSENT.

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masterplanning
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urban design
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client
Redrow Homes Limited

project
**Land to the South West of Lutterworth Road
Burbage**

drawing title
TREE RETENTION PLAN

scale
1:1250 @ A1

drawn/checked
DB

date
Nov 2023

drawing number
9685-T-14

rev
C

CAD file: \\FPCR-FS-01\EarlyWork\9685\ARB\Plans\Tree Retention Plan.dwg

Appendix A - Tree Schedule

Measurements	Age Classes	Quality Assessment of BS Category	ULE (relates to BS Category)
Height - Measured using a digital laser clinometer (m)	YNG: Establishing, typically with good vigour and fast growth rates and strong apical dominance; c. less than 1/3 life expectancy	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.	<10 years
Stem Dia. - Diameter measured (mm) in accordance with Annex C of the BS5837	SM: Semi-mature trees less than 1/3 life expectancy	Category A - Trees of high quality with an estimated remaining life expectancy of at least 40 years.	40+ years
Crown Radius - Measured using a digital laser clinometer radially from the main stem (m)	EM: Established, typically vigorous and increasing in apical height and lateral spread; 1/3 - 2/3 life expectancy. Offers landscape significance	Category B - Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.	20-40 years
Abbreviations est - Estimated stem diameter avg - Average stem diameter for multiple stems upto - Maximum stem diameter of a group	M: Fully established over 2/3 life expectancy, generally good vigour and achieving full height potential with crown still spreading	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.	10-20 years
	OM: Fully mature, at the extremes of expected life expectancy, vigour decreasing, declining or moribund	Sub-categories: (i) - Mainly arboricultural value (ii) - Mainly landscape value (iii) - Mainly cultural or conservation value	
	V: biological, cultural or aesthetic value comprising niche saproxylic habitat. Individuals of large proportions (stem girth) in comparison to trees of the same species/surviving beyond the typical age range for their species.	The BS category particular consideration has been given to the following: • The presence of any structural defects in each tree/group and its future life expectancy • The size and form of each tree/group and its suitability within the context of a proposed development • The location of each tree relative to existing site features e.g. its screening value or landscape features • Age class and life expectancy	

Structural Condition	Physiological Condition
Good - No significant structural defects	Good - No significant health problems
Fair - Structural defects that can be remediated	Fair - Symptoms of ill-health that can be remediated
Poor - Significant defects beyond remediation, present a risk of failure in the foreseeable future	Poor - Significant ill-health. Unlikely the tree will recover in the long term
Dead - Dead tree with structural integrity of tree severely compromised	Advanced Decline / Dead - Advanced state of decline and unlikely to recover or Dead

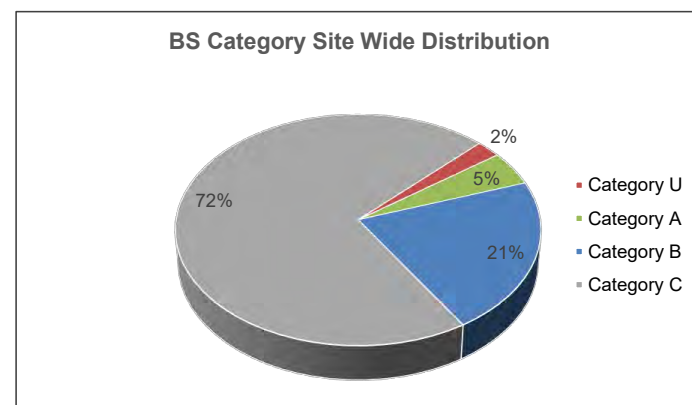
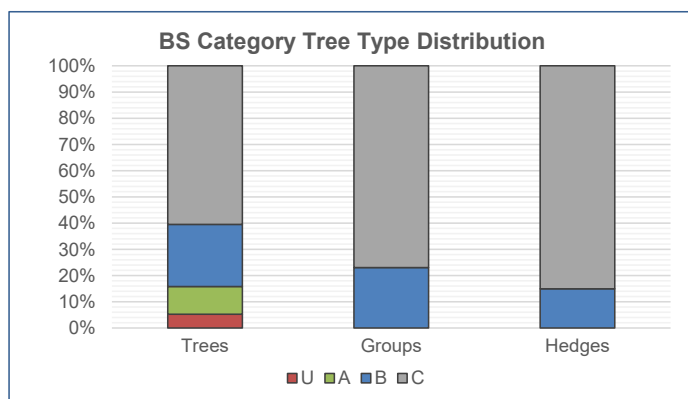
Root Protection Area (RPA)
• The RPA Radius column provides the extent of an equivalent circle from the centre of the stem (m). • The RPA is calculated using the formulae described in paragraph 4.6.1 of British Standard 5837: 2012 and is indicative of the rooting area required for a tree to be successfully retained. Tree roots extend beyond the calculated RPA in many cases and where possible a greater distance should be protected. • Where veteran trees have been identified the RPA has been calculated in accordance with Natural England guidance i.e. 15x the stem diameter, uncapped.

Appendix Summary

	Individual Trees	Totals	Tree Groups and Hedgerows	Totals
Category U	T7, T38	2		0
Category A	T9, T13, T24, T37	4		0
Category B	T1, T2, T3, T10, T21, T23, T25, T33, T34	9	G1, G5, G7, G9, G12, G13, H10, H15, H16	9
Category C	T4, T5, T6, T8, T11, T12, T14, T15, T16, T17, T18, T19, T20, T22, T26, T27, T28, T29, T30, T31, T32, T35, T36	23	G2, G3, G4, G6, G8, G10, G11, G14, G15, G16, G17, G18, G19, G20, G21, G22, G23, G24, G25, G26, H1, H2, H3, H4, H5, H6, H7, H8, H9, H11, H12, H13, H14, H17, H18, H19, H20	37
	Total	38	Total	46

BS Category Tree Type Distribution displays the proportion of trees assessed in each type to enable a better understanding of the category distribution.

BS Category Site Wide Distribution shows the proportion of trees assessed in each category across the whole site which allows an interpretation of the site's overall quality.



Tree No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
INDIVIDUAL TREES										
T1	Ash <i>Fraxinus excelsior</i>	12	est 500	5	M	F	Base obscured Dense undergrowth at the base Established ivy cover Minor dead wood evident in the crown (<75mm)	113	6.0	B (i)
T2	Ash <i>Fraxinus excelsior</i>	12	est 550	5	M	F	Base obscured Dense undergrowth at the base Established ivy cover Minor dead wood evident in the crown (<75mm)	137	6.6	B (i)
T3	English Oak <i>Quercus robur</i>	18	Over ivy 890	10	M	F	Branch stubs evident Broken branches evident Dieback of the crown observed Epicormic growth evident within the crown Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm) Evidence of ground disturbance due to adjacent development	358	10.7	B (i)
T4	Hybrid Black Poplar <i>Populus x canadensis</i>	16	est 350	4	EM	F	Crossing and rubbing branches Lapsed Pollard Multi leadered form Situated offsite Delamintaing bark at base	55	4.2	C (i)
T5	Crack Willow <i>Salix fragilis</i>	10	est 300 250	4	EM	F	Crossing and rubbing branches Situated offsite Twin stemmed from base	69	4.7	C (i)
T6	Crack Willow <i>Salix fragilis</i>	8	470	N - 8 S - 5 E - 8 W - 1	EM	F	Crossing and rubbing branches Minor dead wood evident in the crown (<75mm) Situated offsite Suppressed crown form	100	5.6	C (i)

Tree No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
T7	Ash Fraxinus excelsior	14	810	10	M	P	Bark wounds noted Basal cavity observed Branch stubs evident Broken branches evident Dieback of the crown observed Epicormic growth evident within the crown Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm) Sparse / thinning crown Hollowing stem Large failed stem on ground Innonotus Hispidus present	N/A	N/A	U
T8	Ash Fraxinus excelsior	10	350 300 100	5	M	F	Base obscured Dense undergrowth at the base Multi stemmed from base Sparse / thinning crown	101	5.7	C (i)
T9	English Oak Quercus robur	20	1170	8	M	F	Branch stubs evident Broken branches evident Dieback of the crown observed Epicormic growth evident within the crown Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm)	619	14.0	A (i)
T10	Ash Fraxinus excelsior	20	840	8	M	F	Basal suckers present Branch stubs evident Broken branches evident Dieback of the crown observed Epicormic growth evident within the crown Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm)	319	10.1	B (i)
T11	Ash Fraxinus excelsior	16	500	6	M	F	Basal suckers present Branch stubs evident Broken branches evident Dense ivy in crown Epicormic growth evident within the crown Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm) Inonotus hispidus Shaggy bracket present	113	6.0	C (i)

Tree No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
T12	Ash Fraxinus excelsior	16	est 550	4	M	F	Basal suckers present Branch stubs evident Broken branches evident Dieback of the crown observed Epicormic growth evident within the crown Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm) Recent primary limb failure Dense ivy cover	137	6.6	C (i)
T13	English Oak Quercus robur	18	1190	12	M	F	Branch stubs evident Broken branches evident Compacted ground at the base Stah headed form Epicormic growth evident within the crown Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm)	641	14.3	A (i)
T14	Ash Fraxinus excelsior	12	400	5	M	F	Crossing and rubbing branches Dense ivy cover on main stem Low crown form Minor dead wood evident in the crown (<75mm)	72	4.8	C (i)
T15	Ash Fraxinus excelsior	12	600	5	M	F	Crossing and rubbing branches Dense ivy cover on main stem Low crown form Minor dead wood evident in the crown (<75mm)	163	7.2	C (i)
T16	Elder Sambucus nigra	3	est 8x 100	1	M	P	Crossing and rubbing branches Multi leadered form Sparse / thinning crown	36	3.4	C (i)
T17	Ash Fraxinus excelsior	3	230	2	SM	P	Bark wounds noted Crossing and rubbing branches Sparse / thinning crown	24	2.8	C (i)
T18	Prunus sp.	5	340 160 170 120 150	3	M	P	Bark wounds noted Browsing damage noted on main stem Crossing and rubbing branches Epicormic growth evident within the crown Heartwood exposed Minor dead wood evident in the crown (<75mm) Multi stemmed from base Sparse / thinning crown	94	5.5	C (i)

Tree No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
T19	Whitebeam <i>Sorbus aria</i>	5	160	2	SM	P	Branch stubs evident Crossing and rubbing branches Overhead cables	12	1.9	C (i)
T20	Sycamore <i>Acer pseudoplatanus</i>	6	120	2	SM	P	Branch stubs evident Crossing and rubbing branches	7	1.4	C (i)
T21	Hybrid Black Poplar <i>Populus x canadensis</i>	18	900 470	12	M	F	Branch stubs evident Crossing and rubbing branches Epicormic growth evident within the crown Minor dead wood evident in the crown (<75mm) Pruning wounds noted	466	12.2	B (i)
T22	Field Maple <i>Acer campestre</i>	6	est 6x 120	2	M	F	Base obscured Crossing and rubbing branches Flail damage evident	39	3.5	C (i)
T23	Field Maple <i>Acer campestre</i>	8	420	4	M	F	Barbed Wire attached to stem/s Bark wounds noted Branch stubs evident Crossing and rubbing branches Epicormic growth evident within the crown Minor dead wood evident in the crown (<75mm) Extensive burring Basal cavity to south	80	5.0	B (i)
T24	English Oak <i>Quercus robur</i>	14	780	8	M	F	Epicormic growth evident within the crown Minor dead wood evident in the crown (<75mm) No major defects were noted Poached ground at the base	275	9.4	A (i)
T25	Ash <i>Fraxinus excelsior</i>	18	Over ivy 800	8	M	F	Base obscured Branch stubs evident Epicormic growth evident within the crown Established ivy cover Minor dead wood evident in the crown (<75mm) Poached ground at base	290	9.6	B (i)
T26	Ash <i>Fraxinus excelsior</i>	6	190 180	2	EM	P	Bark wounds noted Browsing damage noted on main stem Sparse / thinning crown	31	3.1	C (i)

Tree No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
T27	Ash Fraxinus excelsior	9	250	3	EM	P	Bark wounds noted Browsing damage noted on main stem Flail damage evident Sparse / thinning crown	28	3.0	C (i)
T28	Apple Malus domestica	5	260	3	M	P	Crossing and rubbing branches Epicormic growth evident within the crown Flail damage evident	31	3.1	C (i)
T29	Ash Fraxinus excelsior	5	est 280	4	EM	F	Crossing and rubbing branches Epicormic growth evident within the crown Flail damage evident	35	3.4	C (i)
T30	Ash Fraxinus excelsior	5	est 280	4	EM	F	Crossing and rubbing branches Epicormic growth evident within the crown Flail damage evident	35	3.4	C (i)
T31	Ash Fraxinus excelsior	10	340	5	EM	F	Barbed Wire attached to stem/s Minor dead wood evident in the crown (<75mm)	52	4.1	C (i)
T32	Ash Fraxinus excelsior	14	460	6	EM	F	Barbed Wire attached to stem/s Branch stubs evident Low crown form Minor dead wood evident in the crown (<75mm)	96	5.5	C (i)
T33	Ash Fraxinus excelsior	17	880	10	M	F	Barbed Wire attached to stem/s Branch stubs evident Crossing and rubbing branches Lapsed Pollard Low crown form Minor dead wood evident in the crown (<75mm) Multi leadered form Loss of leaders with evidence of decay	350	10.6	B (i)

Tree No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
T34	Ash Fraxinus excelsior	19	est 820	N - 9 S - 6 E - 6 W - 7	M	F	Barbed Wire attached to stem/s Branch stubs evident Broken branches evident Crossing and rubbing branches Epicormic growth evident within the crown Low crown form Minor dead wood evident in the crown (<75mm) Potential Roost Features (PRF) Loss of secondary leader at 3m to south east Innontus Hispidus present	304	9.8	B (i)
T35	Ash Fraxinus excelsior	13	est 800	8	M	F	Base obscured Branch stubs evident Dense undergrowth at the base Established ivy cover Major dead wood evident in the crown (>75mm) Minor dead wood evident in the crown (<75mm) Situating offsite	290	9.6	C (i)
T36	Red Oak Quercus rubra	10	est 200 200	3	SM	F	Base obscured Established ivy cover Overhead cables	36	3.4	C (i)
T37	English Oak Quercus robur	17	est 1000	10	M	G	Base obscured Epicormic growth evident within the crown Minor dead wood evident in the crown (<75mm) Multi leadered form Situating offsite	452	12.0	A (i)
T38	Apple Malus domestica	6	320	N - 3 S - 3 E - 1 W - 1	M	P	Specimen in extensive decline	N/A	N/A	U

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
GROUPS OF TREES										
G1	Ash Fraxinus excelsior Crack Willow Salix fragilis English Oak Quercus robur Field Maple Acer campestre Hawthorn Crataegus monogyna English Elm Ulmus procera Hazel Corylus avellana	12	avg 350	3	EM / M	F	Branch stubs evident Crossing and rubbing branches Epicormic growth evident within the crowns Established ivy cover Interlocking crowns Low crown forms Minor dead wood evident in the crowns (<75mm) Multi stemmed from base Single stem forms Tree group east of track	55	4.2	B (ii)
G2	Blackthorn Prunus spinosa Elder Sambucus nigra Field Maple Acer campestre Hawthorn Crataegus monogyna English Elm Ulmus procera	6	avg 150 150 150	2	EM / M	F	Crossing and rubbing branches Dense undergrowth at the base Interlocking crowns Low crown forms Outgrown hedgerow	31	3.1	C (ii)
G3	Ash Fraxinus excelsior	16	upto 530	8	M	F	Bark wounds noted Branch stubs evident Dieback of the crowns observed Epicormic growth evident within the crowns Etiolated forms Interlocking crowns Light ivy cover Minor dead wood evident in the crowns (<75mm) Group of three trees within depression	127	6.4	C (ii)

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
G4	Ash Fraxinus excelsior Blackthorn Prunus spinosa English Oak Quercus robur Field Maple Acer campestre Hawthorn Crataegus monogyna English Elm Ulmus procera Hazel Corylus avellana	8	avg 250	3	EM / M	F	Branch stubs evident Crossing and rubbing branches Dead trees noted Epicormic growth evident within the crowns Established ivy cover Interlocking crowns Low crown forms Minor dead wood evident in the crowns (<75mm) Multi stemmed from base Single stem forms Tree group east of track	28	3.0	C (ii)
G5	Ash Fraxinus excelsior Field Maple Acer campestre Hawthorn Crataegus monogyna English Elm Ulmus procera Bird Cherry Prunus padus	5	est 8x 150	3	EM	F	Base obscured Crossing and rubbing branches Interlocking crowns Low crown forms Multi leadered forms Situated offsite Intermittent motorway boundary group	81	5.1	B (ii)
G6	Blackthorn Prunus spinosa	3	est 6x 80	1	M	P	Browsing damage noted on main stem Crossing and rubbing branches Dieback of the crowns observed	17	2.4	C (ii)

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
G7	Ash Fraxinus excelsior Elder Sambucus nigra Hawthorn Crataegus monogyna Horse Chestnut Aesculus hippocastanum Sycamore Acer pseudoplatanus English Elm Ulmus procera Prunus sp. Weeping Willow Salix x sepulcralis 'Chrycosoma' Leyland Cypress Cupressocyparis leylandii	10	avg 300	3	EM / M	F	Branch stubs evident Broken branches evident Crossing and rubbing branches Dead trees noted Dense undergrowth at the base Epicormic growth evident within the crowns Established ivy cover Interlocking crowns Low crown forms Situated offsite	41	3.6	B (ii)
G8	Blackthorn Prunus spinosa Hawthorn Crataegus monogyna English Elm Ulmus procera Hazel Corylus avellana Holly Ilex aquifolium	6	est 8x 100	2	EM	F	Coppiced forms Crossing and rubbing branches Established ivy cover Interlocking crowns Low crown forms Multi leadered forms	36	3.4	C (ii)
G9	Blackthorn Prunus spinosa Crack Willow Salix fragilis Hawthorn Crataegus monogyna Hybrid Black Poplar Populus x canadensis Hazel Corylus avellana	28	est 850	8	EM / M	F	Branch stubs evident Broken branches evident Crossing and rubbing branches Dense undergrowth at the base Epicormic growth evident within the crowns Established ivy cover Interlocking crowns Low crown forms Major dead wood evident in the crowns (>75mm) Minor dead wood evident in the crowns (<75mm) Situated offsite	327	10.2	B (ii)

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
G10	Ash Fraxinus excelsior Blackthorn Prunus spinosa Crack Willow Salix fragilis Hawthorn Crataegus monogyna Hazel Corylus avellana	5	est 6x 80	2	EM	P	Crossing and rubbing branches Dense ivy cover on main stems Interlocking crowns Low crown forms Outgrown hedgerow	17	2.4	C (ii)
G11	Ash Fraxinus excelsior Blackthorn Prunus spinosa Field Maple Acer campestre Hawthorn Crataegus monogyna Hazel Corylus avellana Bird Cherry Prunus padus	10	est 150 150 150	2	EM	F	Branch stubs evident Crossing and rubbing branches Dense undergrowth at the base Flail damage evident Interlocking crowns Low crown forms Multi stemmed from base	31	3.1	C (ii)
G12	Ash Fraxinus excelsior English Oak Quercus robur	6	est 300	4	SM	F	Crossing and rubbing branches Interlocking crowns Low crown forms Situated offsite Individuals intermittently situated along motorway boundary	41	3.6	B (ii)

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
G13	Ash Fraxinus excelsior Blackthorn Prunus spinosa Field Maple Acer campestre Sycamore Acer pseudoplatanus Wild Cherry Prunus avium Hazel Corylus avellana Mountain Ash Sorbus aucuparia Common Larch Larix decidua	12	est 300	4	SM / EM	F	Base obscured Crossing and rubbing branches Dense undergrowth at the base Interlocking crowns Low crown forms Situated offsite Motorway boundary group	41	3.6	B (ii)
G14	Leyland Cypress Cupressocyparis leylandii	14	est 300	3	EM	F	Bark wounds noted Crossing and rubbing branches Interlocking crowns Typical crown forms Five trees next to farm house	41	3.6	C (ii)
G15	Hybrid Black Poplar Populus x canadensis Leyland Cypress Cupressocyparis leylandii	13	est 300	3	EM	F	Bark wounds noted Crossing and rubbing branches Interlocking crowns Typical crown forms Two trees next to farm house	41	3.6	C (ii)
G16	Leyland Cypress Cupressocyparis leylandii	14	avg 300	3	EM	F	Bark wounds noted Crossing and rubbing branches Interlocking crowns Typical crown forms Three trees in farm yard	41	3.6	C (ii)

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
G17	Hybrid Black Poplar Populus x canadensis Apple Malus domestica Leyland Cypress Cupressocyparis leylandii	18	est 400	5	EM / M	P / F	Bark wounds noted Branch stubs evident Crossing and rubbing branches Interlocking crowns Low crown forms Tree group forming rear garden of farm house	72	4.8	C (ii)
G18	Crack Willow Salix fragilis Leyland Cypress Cupressocyparis leylandii	9	avg 250	2	EM	F	Crossing and rubbing branches Interlocking crowns Low crown forms Group of trees on soil mound Structure in centre of group	28	3.0	C (ii)
G19	Hawthorn Crataegus monogyna English Elm Ulmus procera	7	est 150	1	SM	P	Dead trees noted Dieback of the crowns observed Outgrown hedgerow	10	1.8	C (ii)
G20	Ash Fraxinus excelsior Blackthorn Prunus spinosa Field Maple Acer campestre Hawthorn Crataegus monogyna	9	est 6x 100	2	EM / M	F	Crossing and rubbing branches Flail damage evident Interlocking crowns Low crown forms Outgrown hedgerow Western edge maintained as hedgerow Water course in group	27	2.9	C (ii)
G21	Ash Fraxinus excelsior Blackthorn Prunus spinosa Goat Willow Salix caprea Hawthorn Crataegus monogyna English Elm Ulmus procera	8	est 6x 80	2	M	F	Crossing and rubbing branches Dead trees noted Dieback of the crown observed Flail damage evident Interlocking crowns Outgrown hedgerow Double hedge	17	2.4	C (ii)

Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
G22	Ash Fraxinus excelsior	9	est 6x 100	5	EM / M	F	Coppiced form Crossing and rubbing branches Dense undergrowth at the base Dieback of the crowns observed Multi leadered forms Outgrown hedgerow	27	2.9	C (ii)
G23	Blackthorn Prunus spinosa Field Maple Acer campestre Hawthorn Crataegus monogyna Hornbeam Carpinus betulus Scots Pine Pinus sylvestris	5	est 6x 60	2	EM	F	Dense undergrowth at the base Interlocking crowns Low crown forms Outgrown hedgerow	10	1.8	C (ii)
G24	Ash Fraxinus excelsior Blackthorn Prunus spinosa Elder Sambucus nigra Hawthorn Crataegus monogyna Sycamore Acer pseudoplatanus	8	avg 6x 100	3	EM / M	F	Crossing and rubbing branches Dense undergrowth at the base Established ivy cover Interlocking crowns Low crown forms Group of trees along footpath	27	2.9	C (ii)
G25	Holly Ilex aquifolium Lawson Cypress Chamaecyparis lawsoniana	7	est 250	2	EM	F	Crossing and rubbing branches Crowns had been topped Interlocking crowns Low crown forms Overhead cables	28	3.0	C (ii)

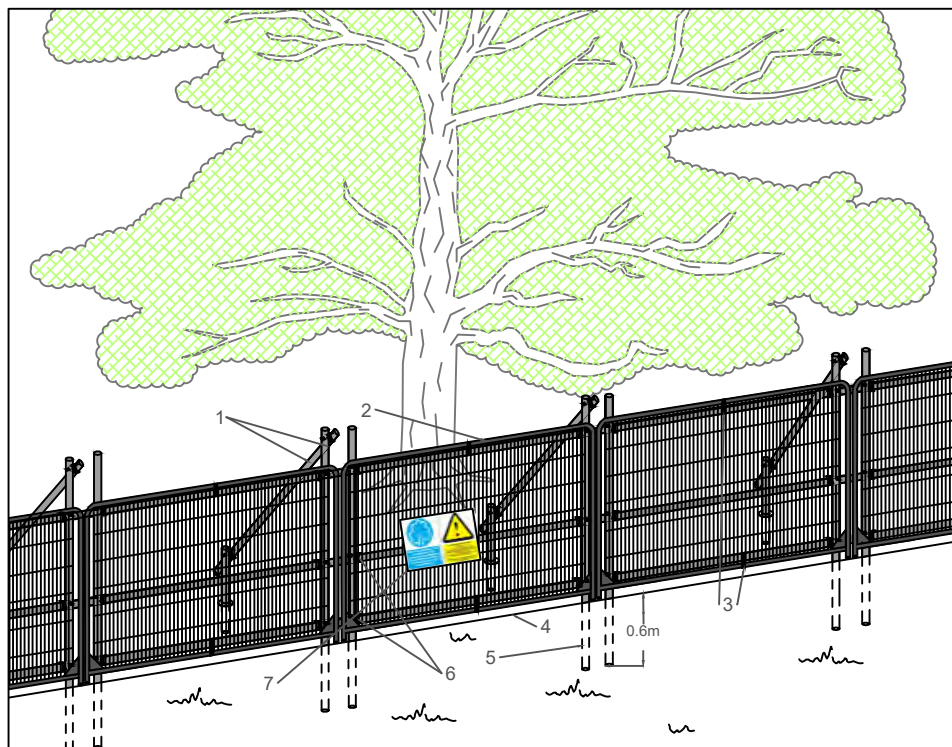
Group No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
G26	Blackthorn Prunus spinosa Field Maple Acer campestre Hawthorn Crataegus monogyna Sycamore Acer pseudoplatanus Apple Malus domestica Holly Ilex aquifolium Laural Prunus Laurocerasus Lawson Cypress Chamaecyparis lawsoniana Highclere Holly Ilex x altaclerensis	8	est 150 150 150	3	EM / M	F	Base obscured Crossing and rubbing branches Dense undergrowth at the base Established ivy cover Interlocking crowns Low crown forms Ownership undetermined	31	3.1	C (ii)

Hedge No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
HEDGEROWS										
H1	Blackthorn Prunus spinosa Hawthorn Crataegus monogyna Dogwood Cornus sanguinea	2	est 6x 60	1	M	F	Maintained hedgerow	10	1.8	C (ii)
H2	Blackthorn Prunus spinosa Hawthorn Crataegus monogyna	2	est 6x 60	1	M	F	Flail damage evident Maintained hedgerow	10	1.8	C (ii)
H3	Ash Fraxinus excelsior Blackthorn Prunus spinosa Elder Sambucus nigra Hawthorn Crataegus monogyna English Elm Ulmus procera	2	est 6x 60	1	M	F	Flail damage evident Maintained hedgerow	10	1.8	C (ii)
H4	Ash Fraxinus excelsior Blackthorn Prunus spinosa Elder Sambucus nigra Hawthorn Crataegus monogyna English Elm Ulmus procera	2	est 6x 60	1	M	F	Flail damage evident Maintained hedgerow	10	1.8	C (ii)
H5	Blackthorn Prunus spinosa Elder Sambucus nigra Hawthorn Crataegus monogyna	1	est 6x 60	1	M	F	Flail damage evident Maintained hedgerow	10	1.8	C (ii)

Hedge No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
H6	Hawthorn Crataegus monogyna Holly Ilex aquifolium	4	est 6x 60	1	M	F	Base obscured Crossing and rubbing branches Interlocking crowns Outgrown hedgerow	10	1.8	C (ii)
H7	Ash Fraxinus excelsior Blackthorn Prunus spinosa Hawthorn Crataegus monogyna English Elm Ulmus procera	3	est 6x 60	1	M	F	Crossing and rubbing branches Dense undergrowth at the base Flail damage evident Gaps present in hedgerow Maintained hedgerow	10	1.8	C (ii)
H8	Holly Ilex aquifolium	1	est 6x 60	1	M	F	Crossing and rubbing branches Flail damage evident Maintained hedgerow	10	1.8	C (ii)
H9	Blackthorn Prunus spinosa Field Maple Acer campestre Hawthorn Crataegus monogyna English Elm Ulmus procera Hazel Corylus avellana Dogwood Cornus sanguinea	3	est 6x 70	2	EM / M	F	Dense undergrowth at the base Dieback of the crowns observed Recently undergone formal management	13	2.1	C (ii)
H10	Ash Fraxinus excelsior Blackthorn Prunus spinosa Field Maple Acer campestre Hawthorn Crataegus monogyna English Elm Ulmus procera Hazel Corylus avellana Dogwood Cornus sanguinea	2	est 6x 60	1	M	F	Crossing and rubbing branches Dieback of the crown observed Flail damage evident Maintained hedgerow	10	1.8	B (ii)

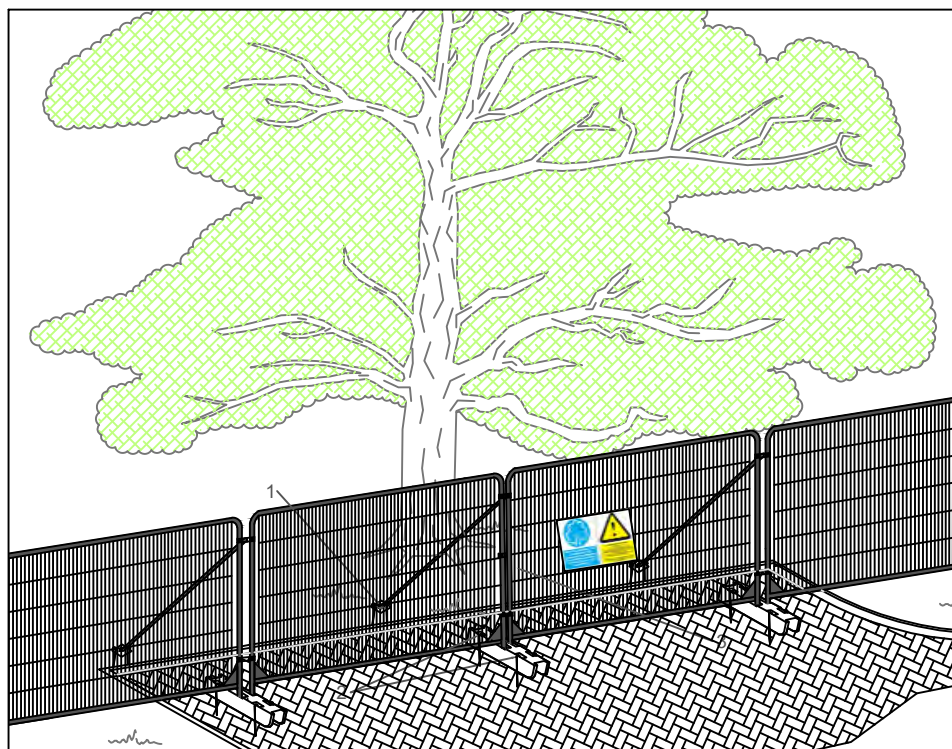
Hedge No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
H11	Blackthorn Prunus spinosa Hawthorn Crataegus monogyna	1	est 6x 60	0.5	M	F	Flail damage evident Gaps present in hedgerow Maintained hedgerow	10	1.8	C (ii)
H12	Blackthorn Prunus spinosa Hawthorn Crataegus monogyna English Elm Ulmus procera	2	est 6x 60	1	M	F	Crossing and rubbing branches Flail damage evident Maintained hedgerow	10	1.8	C (ii)
H13	Ash Fraxinus excelsior Blackthorn Prunus spinosa Hawthorn Crataegus monogyna English Elm Ulmus procera	2	est 6x 60	1	M	F	Crossing and rubbing branches Flail damage evident Maintained hedgerow	10	1.8	C (ii)
H14	Blackthorn Prunus spinosa Hawthorn Crataegus monogyna English Elm Ulmus procera	3	est 6x 60	1	M	F	Crossing and rubbing branches Dense undergrowth at the base Interlocking crowns Low crown form Outgrown hedgerow	10	1.8	C (ii)
H15	Holly Ilex aquifolium Privet Ligustrum ovalifolium	2	est 10x 40	0.5	M	G	Maintained hedgerow	7	1.5	B (ii)
H16	Privet Ligustrum ovalifolium	2	est 10x 40	0.5	M	G	Maintained hedgerow	7	1.5	B (ii)
H17	Sycamore Acer pseudoplatanus Holly Ilex aquifolium mixed shrubs	5	est 6x 50	0.5	EM	F	Maintained hedgerow	7	1.5	C (ii)

Hedge No	Species	Height	Stem Dia.	Crown Radius	Age Class	Overall Condition	Structural Condition	RPA	RPA Radius	BS5837 Cat
H18	Privet <i>Ligustrum ovalifolium</i>	1	est 6x 50	0.5	M	G	Maintained hedgerow	7	1.5	C (ii)
H19	Holly <i>Ilex aquifolium</i> mixed shrubs Lawson Cypress <i>Chamaecyparis lawsoniana</i>	3	est 150	1	EM	F	Crossing and rubbing branches Dense undergrowth at the base Outgrown hedgerow	10	1.8	C (ii)
H20	Ash <i>Fraxinus excelsior</i> Blackthorn <i>Prunus spinosa</i> Field Maple <i>Acer campestre</i> Hawthorn <i>Crataegus monogyna</i>	9	est 6x 100	2	EM / M	F	Crossing and rubbing branches Flail damage evident Interlocking crowns Low crown forms Outgrown hedgerow Recently managed as hedgerow	27	2.9	C (ii)



Standard specification for protective barrier

1. Standard scaffold poles
2. Heavy gauge 2m tall galvanized tube and welded mesh infill panels
3. Panels secured to scaffold frame with wire ties
4. Ground level
5. Uprights driven into the ground until secure (min depth of 0.6m)
6. Standard scaffold clamps
7. Construction Exclusion Zone signs



Above ground stabilising systems

1. Stabiliser strut with base plate secured with ground pins
2. Feet blocks secured with ground pins
3. Construction Exclusion Zone signs

NOTES

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APPENDIX B PROTECTIVE FENCING SPECIFICATIONS

CAD file: S:\Arb resources\Basic Templates\Tree Protection\Appendix B - Protective Fencing A4.dwg