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Arboricultural survey and constraints

Limekiln Farm Broadwater Lane Copsale West Sussex RH13 6QW

Client and Address:	S. Price, Limekiln Farm, Broadwater Lane Copsale RH13 6QW
Inspector:	B.Larkham, Dip.Arb.(RFS), Tech.Cert.(Arbor.A), F.Arbor.A.
Date of Inspection:	12 th June 2022
Date of Report:	13 th June 2022
Reference no.:	tr-1654-22

Limekiln Farm, Broadwater Lane, Copsale, West Sussex

No	Species	Hgt	Ø at 1.5m	Spread NSEW	Crown c/rance	Age	Condition and <u>Recommendations</u>	Erc	BS grade	RPA (rad)
T1	Oak	21.0	111	12.0, 12.0, 7.0, 7.0	2.0(s)	Mat	Moderate deadwood and tears to branching. Branch loss at 9.0 metres. Triple stemmed at 6.0 metres. Drainage reinstated to north west side.	40+	A1	13.3
T2	Oak	22.0	121	12.0, 13.0, 9.0, 8.0	2.0(s)	Mat	Moderate deadwood and tears to branching. Drainage reinstated to north west side. Hung up deadwood to east at 4.0 metres. <u>Remove deadwood.</u>	40+	A1	14.5
T3	Hawthorn and dead Ash	5.0	<10	Ø2.0	1.0	Med	Dead Ash stems to remove. Retain Hawthorn. <u>Remove dead stems.</u>	40+	C2	2.0 adj
T4	Hawthorn	5.0	<15	<Ø4.0	1.0	Mat	Six stems. Suppressed by Oak T5.	20-40	B2	2.0 adj
T5	Oak	22.0	166	Ø23.0	2.0(s)	Mat	Triple stemmed from 3.5 metres. Significant limb to east over site with bark loss and exposed internal wood. Moderate deadwood and tears to branching.	40+	A1	15.0 cap
T6	Hazel	5.0	m/s x30 x4cm av	Ø6.0	-o-	Mat	Pair of stools. To northwest side of ditch.	40+	B2	4.0 adj

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T7	Hawthorn	6.0	27+12	1.0, 3.0, 2.0, 2.0	3.0	Mat	Bifurcated at 6.0 metres. Cavity/decay to east side at ground level.	20-40	C2	3.5
T8	Oak	14.0	70	8.0, 9.0, 5.0, 8.0	2.5	Mat	Moderate deadwood and tears to branching. Reduced crown density.	40+	B1	8.4
T9	Oak	e.18.0	75	8.0, 10.0, 8.0, 10.0	2.0(w)	Mat	Moderate deadwood and tears to branching.	40+	A2	9.0
T10	Oak	e.17.0	53	4.0, 9.0, 6.0, 5.0	2.0(s)	Mat	Asymmetric to southeast. Moderate deadwood and tears to branching.	40+	A2	6.3
T11	Oak	e.12.0	34	3.0, 1.0, 5.0, 6.0	2.0(w)	Y	Asymmetric to west.	20-40	B2	4.0
T12	Oak	e.12.0	80	Ø16.0	3.0	Mat	Moderate deadwood and tears to branching. Inosculated branch at 8.0 metres to west. Scarring to south side between buttressing. Reduced vigour to upper crown. <u>Monitor condition through biennial resurvey.</u>	20-40	B2	9.6

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No	Species	Hgt	Ø at 1.5m	Spread NSEW	Crown c/rance	Age	Condition and <u>Recommendations</u>	Erc	BS grade	RPA (rad)
T13	Ash	18.0	48	3.0, 5.0, 4.0, 5.0	2.0(s)	Mat	Asymmetric to south. Reduced crown vigour. Potential Ash dieback.	10-20	B2	5.7
T14	Oak	16.0	89	5.0, 9.0, 6.0, 11.0	2.0	Mat	Low descending branch from 4.0 metres to northwest. Moderate deadwood and tears to branching.	40+	A2	10.6
T15	Oak	15.0	50	3.0, 7.0, 5.0, 6.0	1.5(s)	Mat	Asymmetric to south. Hung up deadwood to east at 6.0 metres. Moderate deadwood and tears to branching. <u>Remove hug up deadwood and larger deadwood through crown.</u>	40+	B2	6.0
T16	Ash	15.0	35,42 +22	5.0, 3.0, 6.0, 4.0	7.0	Mat	Multi-stemmed x3. West stem bifurcated at 16.0 metres, dead stem to south above union. Central stem with significant decline and King Alfred's Cakes – <i>Daldinia concentrica</i> at 0.5 metres. Fourth stem lost from stool. Reduced vigour across crown. Potential Ash dieback caused by fungus <i>Hymenoscyphus fraxineus</i> . <u>Consider re-coppicing and monitor regrowth.</u>	10-20	C2	7.0

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No	Species	Hgt	Ø at 1.5m	Spread NSEW	Crown c/rance	Age	Condition and <u>Recommendations</u>	Erc	BS grade	RPA (rad)
T17	Ash	13.0	27	3.0, 1.0, 1.0, 3.0	2.0	Med	Asymmetric to north. Poor form. Potential Ash dieback caused by fungus <i>Hymenoscyphus fraxineus</i> . <u>Consider re-coppicing with T16.</u>	10-20	C2	3.2
T18	Oak	e.17.0	50	Ø13.0	3.0-4.5	Mat	Pair of trees beyond limits of topographic survey. Ownership to be confirmed.	40+	A1	6.0
W1	Woodland	-	-	-	-	-	Mixed woodland edge comprising Willow, Alder and Hazel. Limited access for full survey. Failed Alder and Willow stems present to be coppiced to regenerate and open up light to ground flora. Noted herbaceous layer including Yellow Archangel – <i>Lamium galeobdolon</i> and Dog's Mercury - <i>Mercurialis perennis</i> . Ancient Semi-Natural Woodland offsite to east side of stream – consider as extension of ASNW. <u>Section and stack failed trees. Re-coppice Hazel stools.</u>	40+	B2	17.0 adj

For key and comments see accompanying key

Key and general comments

Hgt	Height (estimated)
Stem Ø	Trunk diameter in centimetres measured at 1.5 metres above ground level.
Spread	Crown radii in metres to compass points or crown diameter suffixed Ø
Crown c/rance	Height in meters of crown clearance above adjacent ground level
Life Stage	Age class (Y – young, Mid Age – middle aged, Mat – mature, OM – over mature, V – veteran)
Phys cond	Physiological condition – Good, Fair, Poor, Dead
Condition and <u>Recommendations</u>	Structural condition and record of defects together with any preliminary management recommendations as underlined.
RPA (rad)	Recommended protection area. Dimension in metres = radius of circle from the centre of stem. Adj may be suffixed where RPA is increased based upon crown spread or other changes at discretion of surveyor.
Erc	Estimated remaining contribution in years (less than 10, 10-20, 20-40, more than 40)
BS grade	U –Remove, A1-A3 :Category A High quality, B1-B3 :Category B Moderate quality, C1-C3 :Category C Low quality
Bifurcated	Main stem divides into two stems
Asy	Asymmetric canopy to compass direction
N S E W	Compass point direction, may also appear as NE
Vig	Vigour (N-normal, L-Low)
Mat	Maturity (OM-Over Mature, M-Mature, Med-Medium, Y-Young)
e.	Estimated dimension
g/l	Ground level
c/l	Centre line
m/s	Multi-stemmed
Remove deadwood	Remove deadwood, significantly diseased or decayed growth, crossing or torn branches. Branch stubs and tears to be cut clean. All work to be carried out in accordance with BS3998 and current best practice.

Key and comments continued.

The survey relates to trees to the field boundary at Limekiln Farm, Broadwater Lane, Copsale, West Sussex. The drawing uses as its base the topographic survey reference P1441 prepared by Acad Mapping, Frenches Farm House, Mark Cross, East Sussex TN6 3NS. Smaller trees not identified within the topographic survey have been added to the drawing in cyan colour – their position is indicative only. All tree positions and features should be checked on site.

The site was surveyed on 12th June 2022. The weather at the time of the survey was fair.

The tree survey and constraints information has been prepared to assist consideration of the proposed recreation of equine rehabilitation facilities. The survey has been undertaken in accordance with British Standard 5837:2012. No internal investigation of any trees was undertaken.

The Horsham District Council online mapping resource does not identify any Tree Preservation Orders or Conservation Area restrictions applicable to the site. This position should be checked prior to undertaking any of the recommended works.

The DEFRA website indicates the site is not designated with ancient and semi natural woodland (ASNW) however the offsite woodland adjacent to the stream to the south east of the site is identified as ASNW. The ground flora to the tree line of trees T1-T17 includes ANSW indicators.

Birds and bats are protected by law and any works to trees recommended within this schedule should be undertaken with due consideration to current legislation and recommended timing for works. The assessment for the presence of bats should be undertaken by a qualified assessor.

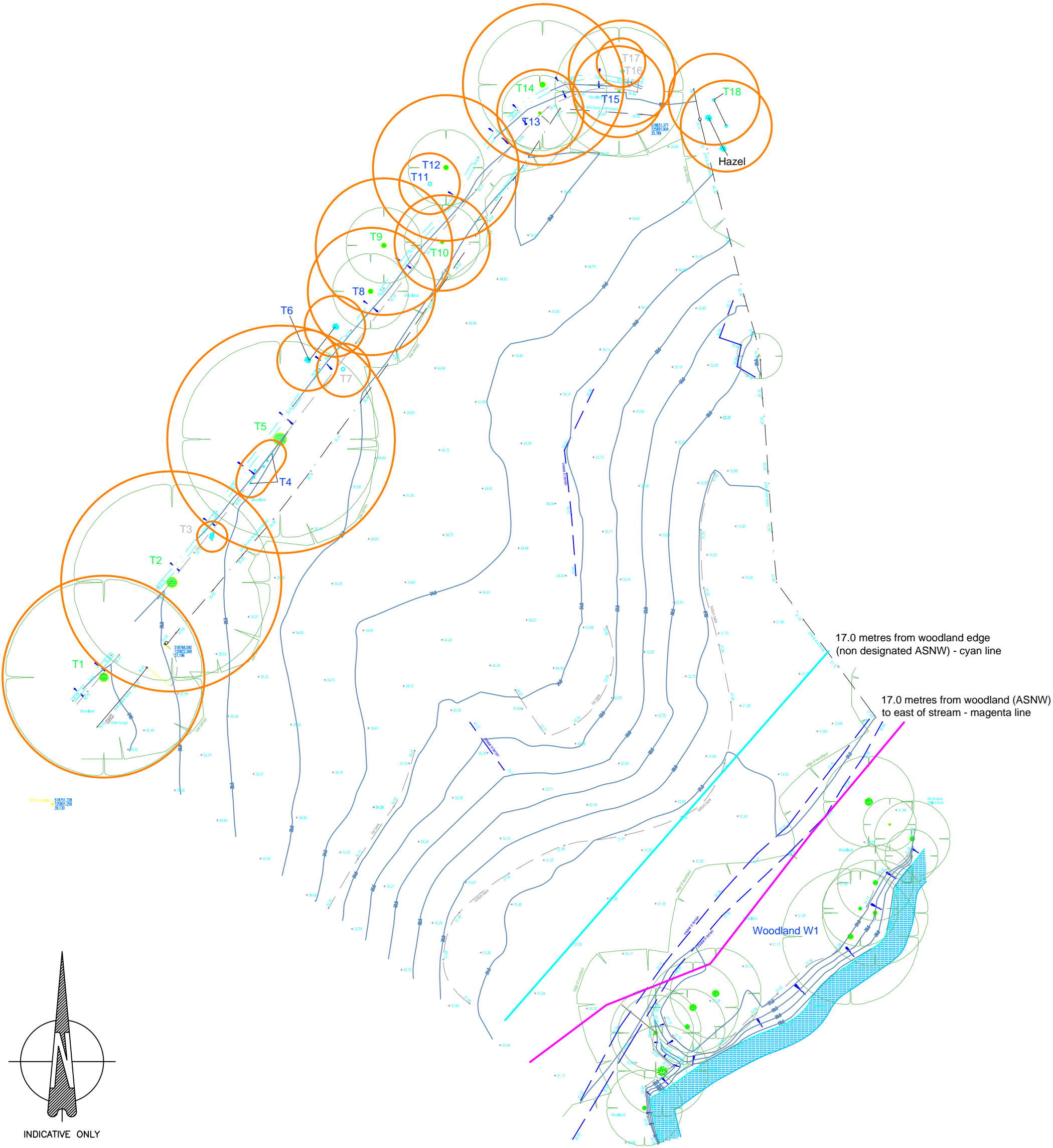
A person professionally competent in Arboriculture should undertake all future tree inspections recommended within this schedule.

All tree surgery work should be undertaken in accordance with BS3998:2010 Tree work - Recommendations and current best practice.

The details of this survey are based upon the condition of the subject tree/s present on the date of the inspection. Responsibility cannot be held for the subsequent effects of extremes of weather, vandalism or damaging acts either negligent or wilful. Liability cannot be held for any subsequent physical undertaking to the canopy, stem or roots of the tree/s. This survey is valid for a period of two years from the date of the site inspection unless the site conditions change or works unspecified in this report are undertaken.

NOTES

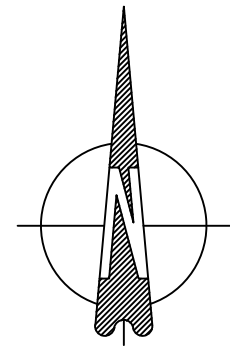
- Do not scale from this drawing
- Report any discrepancies to the Architect
- Check dimensions on site prior to starting work



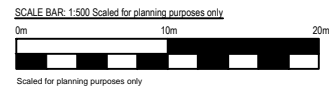
17.0 metres from woodland edge
(non designated ASNW) - cyan line

17.0 metres from woodland (ASNW)
to east of stream - magenta line

Woodland W1



INDICATIVE ONLY



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Job Title:

Limekiln Farm
Broadwater Lane
Copsale RH13 6QW

Drawing Title:

Arboricultural survey
and constraints

Scale:

1:500 at A3

Drawn By:

BL

Date:

June 2022

Drawing Number:

tr-1654-22

Rev.:

Rev.	Date	Description
1.00		