

Sylva Consultancy
expert arboricultural advice

ARBORICULTURAL REPORT

Land in the ownership of:

Warborough Parish Council
Warborough
Oxfordshire

November 2021

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Prepared by Fiona Bradshaw MlCFor; RFS DipArb; M.Arbor.A; Tech.Arbor.A

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Fiona Bradshaw
MlCFor (Arb); Dip. Arb (RFS); F.Arbor A; Tech Arbor.A
Mobile: 07976 596517

Sylva Consultancy is a trading name of Sylva Trees Ltd.
Registered in England, Company No. 06787424.
Registered Office: The Oxford Boaters Box, Woodstock Road, Oxford, OX2 7AH'.



Institute of
Chartered Foresters
Registered Consultant

PHONE 01865 872945
EMAIL mail@sylvaconsultancy.co.uk
WEBSITE www.sylvaconsultancy.co.uk

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This report is for the sole use of the above-named client and refers to only those trees identified within; use by any other person(s) in attempting to apply its contents for any other purpose renders the report invalid for that purpose

1. INSTRUCTIONS

- 1.1 Instructions were received to carry out a Health & Safety inspection on principal trees growing on land in the ownership of t Warborough Parish Council (Overview of area at Appendix 1). This report comments on the health & safety of the trees and makes recommendations, where appropriate regarding future management requirements.
- 1.2 The trees were inspected during October 2021. The weather was dry, and visibility was good.

2. REPORT LIMITATIONS

- 2.1. The trees have been inspected using the Visual Tree Assessment Method (VTA) from ground level only. This is a basic data collection exercise and a record of the tree's condition at the time of surveying. No soil excavations or root samplings have been taken for the purpose of this report and no documentation has been provided concerning the history of site changes, its hydrology or soil structure, past tree and land management, associated buildings or service installations.
- 2.2 Non-invasive inspection equipment (sounding hammer and/or metal probe) were used to assess the structural integrity where the visual inspection identified this requirement.
- 2.3 Trees are living organisms whose health and condition can change rapidly. The health, condition and safety of trees should be checked on a regular basis, preferably at least once a year by a person competent in Arboriculture. In addition, it is recommended that trees are assessed at different times of the year as different symptoms can manifest themselves during the different seasons.
- 2.6 Trees identified within the survey area were assessed visually from ground level by a person qualified and experienced in arboriculture. This report considers amongst other things, the trees structural condition and where significant defects are visually identified, remedial works have been recommended within the tree survey data at Appendix 2, with a tree works schedule, including timescales at Appendix 4.

3. TREE PROTECTION

- 3.1 Information posted South Oxfordshire District Council (SODC) website details that the majority of Warborough village is located within Warborough Conservation Area. Trees T1 – T26 and Trees T134 & T135 have been assessed as being located outside the boundaries of the Conservation Area. Additional information on SODC website reveals that the trees surveyed are not subject to any Tree Preservation Orders (TPO).
- 3.2 Trees in a Conservation Area that are not protected by a TPO are protected by the provisions in section 211 of the Town and Country Planning Act 1990. Anyone who ***cuts down, uproots, tops, lops, wilfully destroys or wilfully damages a tree*** in a Conservation Area (if that tree is not already protected by a Tree Preservation Order), or causes or permits such work, without giving a section 211 notice (or otherwise contravenes section 211 of the Town and Country Planning Act 1990 is guilty of an offence, unless an exception applies.

4. FINDINGS

- 4.1 The site surveyed can be broken down into 6 distinct areas:
1. Trees growing adjacent to Warborough Road and Thame Road. (Trees T1 – T39, T136).
 2. Trees growing on The Green South (Trees T40 – T77).
 3. Trees located in the lower playing fields (Trees T78 – T86).
 4. Trees growing on The Green North (Trees T87 – T104).
 5. Trees growing with St Lawrence's Churchyard (Trees T105 – T120).
 6. Trees growing within the area of Sinodun View (Trees T128 – T135).
- 4.2 The 2017 survey was informed that trees T121 – T127 are growing on third party land. Trees and tree numbers have been retained and highlighted in blue on the appended tree location plans.
- 4.3 In total, and excluding third party trees, 122 trees have been surveyed for the purposes of this report. Trees T5, G7, T11, T25, T26 and T89 have been removed following the recommendations of the 2017 survey. Tree T128 has been removed since the 2019 survey.
- 4.4 Of the trees surveyed 64 trees require no work.
- 4.5 Several trees have dense ivy present on the main stems and or covering the main branchwork frame within the trees canopy. Whilst it is acknowledged the many benefits of retaining ivy, ivy has the ability to obscure defects. On this occasion it has been recommended for the ivy to be severed and for the trees to be re-inspected once the ivy has died back/been removed to ensure that the trees are free from any significant defects or decay as recognised within arboriculture. (Please refer to Section 7 for more information on Ivy).
- 4.6 Three trees are recommended for removal. Tree T12 (Ash) has been identified for removal with this being based on maintaining the adjacent ditch. Tree T75 (Crack Willow) is identified for removal due to the trees poor form (and leaning stem). Tree T136 (Ash) canopy has part failed and recommended for removal.
- 4.7 Further follow up investigations by way of using internal decay detection has been recommended for trees T40 (Red Horse Chestnut), T103 (Ash) and T197 (Lawson Cypress). These recommendations are based on the visual observations for trees T103 & T107, with ongoing monitoring works required for T40.
- 4.8 A further two trees (T19 & T90) have been identified as requiring climbing inspections as it was not possible from ground level to make a full assessment of defects recorded from ground level.
- 4.9 Trees T17, T18, T19, T20, T24 & T70 are recommended for follow up visual inspections in late spring 2022. This recommendation is in order to assess the canopy condition and vitality of the trees.
- 4.10 The majority of the remaining work relates to minor remedial works such as the removal of deadwood or pruning to ensure appropriate clearances to driveways, access routes and/or buildings.
- 4.11 To ensure that the Parish Council's Duty of Care requirements are met it is strongly recommended to carry out the works at Appendix 4 within the timescales that have been allocated.

5. RECOMMENDATIONS

- 5.1 An application to undertake works to trees growing within a conservation area must be submitted to South Oxfordshire District Council with appropriate consent granted prior to any pruning work being carried out. Certain exceptions may apply. Please contact Sylva Consultancy for further information.
- 5.2 All pruning works should be carried out in accordance with British Standard 3998: 2010 'Recommendations for Tree Works' and in compliance with good practice as promoted by the Arboricultural and Forestry Advisory Group.
- 5.3 In the event that any additional fungal fruiting bodies are found on or within close proximity to trees it is recommended that these are positively identified by a competent person as soon as is practically possible.

6. PROTECTED SPECIES

- 6.1 The Wildlife & Countryside Act 1981, as amended by the Countryside Rights of Way Act 2000, provides statutory protection to birds, bats and other species that inhabit trees. The timing and type of tree work, including hedge pruning must be considered before undertaking any works highlighted within this report.
- 6.2 It is an offence to 'intentionally or recklessly disturb a bat' or to 'damage, destroy or block access to the resting place of any bat' (Countryside and Rights of Way Act 2001 as amended). Where works are being carried out and bats are found to be present, or if the tree is a known roost, the Statutory Nature Conservancy Organisation (Natural England 0845 600 3078) must be advised. A license is required to handle or to undertake works which will affect bats.
- 6.3 It is advised that non-urgent work, including work to hedges are not undertaken during the bird nesting season or breeding season ((1st March – 31st August).

7. INFORMATIVES

- 7.1 Ivy growth is not a threat to tree health; however, ivy can obscure defects within a tree's structure. Where possible ivy as removed to assess trees, however it was beyond the scope of this report to sever all the ivy stems and/or remove ivy to allow for a full inspection to be carried out. The dense ivy growth that is present on trees has obscured the ability to carry out a full detailed inspection and, on this occasion, it is considered appropriate to sever/remove the ivy so that a detailed visual tree assessment of the condition of the trees can be carried out.
- 7.2 Ivy growth must be cut using sharp handheld equipment such as secateurs or pruning saws. Ivy should be severed at a height of between ground level and 1m above ground level leaving an ivy free band around the trees stem. In some cases, ivy can then be removed by hand or alternatively the ivy can be left to dieback whereby it will fall from the tree.

OVERVIEW OF SURVEY AREA

SITE LOCATION PLAN



TREE SURVEY DATA

KEY TO TREE SCHEDULE

Tree No: Identification of a tree or group of trees

Species Common name

Height: Estimated height expressed in meters

Abbreviations:

E Estimated

ave Average

agl Above ground level

SULE Safe Useful Life Expectancy

Age Class:

Y Young

MM Middle Mature

M Mature

OM Over Mature

NP Newly Planted

Physiological Condition:

G Good

F Fair

P Poor

D Dead

Priority Codes:

1 Month Works required to be carried out within the next 1 month from the date of the report, unless otherwise stated.

3 Months Remedial pruning works to be carried out within 3 months from date of this report.

6 Months Remedial pruning works to be carried out within 6 months from date of this report.

Ds Highly desirable works. Should be carried out as part of regular maintenance of trees.

1 Year Works to be carried out in 1 year

Monitor Monitor tree as per recommendations in report.

NW No works currently recommended

TREE SURVEY DATA

Tree No.	Species	HT (M)	Age Class	Phys. Cond.	Branches	Leaf/Buds	Stem	Roots	Comment	Proposed Work	Priority	Next Survey (months)
T1	Sycamore	13	MM	F	Low hanging branches	Normal	Ivy	No visual defects	Self seeded specimen -Ivy starting to encroach. Keep ivy free for next inspection.	Sever ivy	24 Months	24
T2	Sycamore	13	MM	F	Minor Deadwood	Normal	Triccate; Tight Unions; Ivy	No visual defects	x 3 at base - X2 stems growing close against one another. Ivy on main stem -keep ivy free for next inspection. Deadwood over bank - not currently a cause for concern	Sever ivy	24 Months	24
T3	Sycamore	13	MM	F	No visual defects	Normal	Bifurcated; Tight unions	No visual defects	x 2 stems with tight unions - starting to graft against one another.	No Work	NW	24
T4	Sycamore	13	MM	F	Squirrel damage; Crossing branches	Normal	Coppiced	No visual defects		No work	NW	24
T5	Hawthorn								Tree no longer present.			
T6	Sycamore	16	M	F	Old pruning wounds; Low hanging branches	Normal	Tricates; Tight Unions; Ivy	No visual defects	x 3 at base - Foliage encroaching onto BT cables. Keep ivy free for next inspection.	Prune	3 Months	24
G7	Elm x 2 & Sycamore x1								Group no longer present.			
T8	Sycamore	18	M	F	Old pruning wounds	Normal	Bifurcated; Tight union;Epicormics	No visual defects	X2 at base. Basal epicormics encroaching onto footpath.	Prune	6 Months	24
T9	Norway Maple	17	M	F	Wounding; Ivy;	Normal	Bifurcated; Included bark		X2 at base. limb has previously failed at 9m above ground level. Wound wood on outer limits. Ivy has not hindered inspection - remove ivy before next inspection.	Sever ivy	24	24
T10	Sycamore	11	MM		Squirrel damage; Ivy	Normal	Ivy	Ivy	Self seeded specimen. Ivy has hindered survey, sever and reinspect. Growing on ditch edge.	Sever ivy	1 Month	
T11	Sycamore								Tree no longer present.			
T12	Ash	12	Y	G	No visual defects	Normal	No visual defects	Ivy	Growing on the edge of the ditch - recommend to fell to keep ditch clear	Fell	1 Year	
T13	Norway Maple	10	MM	P	Crossing branches; Minor deadwood	Normal	X2 at the base; Decay/cavity; Wounding	Decay	Main tree felled as per the 2017 survey recommendations. X 2 suckering stems have been retained on the northern side of the stump. Damage on stem leaning over path. Look to reduce tree in 2 years - annual inspections recommended.	Annual Inspection	1 Year	12
G14	Field Maple	Ave 11	MM	G	Crossing branches	Normal	No visual defects	No visual defects	Group of Field Maples	No work	NW	24
T15	Oak	13	MM		Old pruning wounds; Minor deadwood	Normal	No visual defects	No visual defects	Minor deadwood over verge - not currently a cause of concern.	No Work	NW	24

TREE SURVEY DATA

Tree No.	Species	HT (M)	Age Class	Phys. Cond.	Branches	Leaf/Buds	Stem	Roots	Comment	Proposed Work	Priority	Next Survey (months)
T16	Norway Maple	13	M		Old pruning wounds; Minor deadwood	Normal	Cavity;Fungus	No visual defects	Cavity present at 2.5m above ground level on the east side. Fungal bracket of Polyporus squamosus present on an old pruning wound at 4m agl on S/W side of the main stem. Further inspection. Probe cavities at top of main stem	Further Inspection	1 Month	
T17	Norway Maple	8	MM	P	Cavity; Old pruning wounds; Deadwood; Dieback; Ivy	Normal	Ivy	No visual defects	Major deadwood - canopy dieback. Cavity as a result of old pruning wounds at 2m above ground level. Dieback noted in upper canopy. Ivy has hindered survey. Visual inspection required in July 2022	Prune	1 Month	Jul-22
T18	Norway Maple	16	M	P	Dieback; Old pruning wounds; Cavity; Major deadwood	Normal	No visual defects	Girdling Root	Scattered dieback in upper canopy on ditch side and northern side of the tree. Ivy present and starting to grow into upper canopy. Reinspect canopy condition in July 2022.	Prune	1 Month	Jul-22
T19	Norway Maple	16	M	P	Old pruning wounds; Squirrel damage; Dieback	Normal	No visual defects	No visual defects	Scattered dieback/deadwood in upper canopy. Reinspect canopy condition in July 2022. Remove major deadwood.	Prune	1 Month	Jul-22
T20	Norway Maple 'Crimson King'	9	MM	F	Dieback; Squirrel damage; Deadwood	Normal	No visual defects	No visual defects	Low hanging branches within close proximity to low voltage lines. Seek advice from Electricity Company. Extensive squirrel damage. Crown clean and reinspect canopy condition in July 2022	Prune	1 Month	Jul-22
T21	Norway Maple	16	M	F	Old pruning wounds; Minor Deadwood; Squirrel damage; Low hanging branches	Normal	Old pruning wounds	No visual defects	Branches within close proximity to low voltage lines. Seek advice from Electricity Company. Minor deadwood overhanging the ditch. Remove x 1 low branch over the path on south side of tree	Prune	3 Months	24
T22	Norway Maple	12	M	F	Wounding; Old pruning wounds; Minor deadwood	Normal	Wounding	No visual defects	Branches within close proximity to low voltage lines. Seek advice from Electricity Company. Wounding present on the east side of the stem. Large wound on the west side. Deadwood over ditch	No Work	NW	24
T23	Beech	14	MM	G	Old pruning wounds	Normal	No visual defects	No visual defects		No work	NW	24
T24	Norway Maple	9	MM	F	Dieback; Congested canopy; Low branches; Tight unions	Normal	No visual defects	No visual defects	Foliage encroaching onto low voltage lines. Contact electricity company for advise. Scattered dieback in upper canopy. Reinspect canopy condition in July 2022.	Prune	3 Months	Jul-22
T25	Norway Maple								Tree no longer present.			
T26	Norway Maple								Tree no longer present.			
T27	Horse Chestnut	17	M	G	Old pruning wounds; Stubs	Normal	Wound	No visual defects	Wounding at the base - currently no cause of concern.	No work	NW	24

TREE SURVEY DATA

Tree No.	Species	HT (M)	Age Class	Phys. Cond.	Branches	Leaf/Buds	Stem	Roots	Comment	Proposed Work	Priority	Next Survey (months)
T28	Norway Maple	13	MM	F	Minor Deadwood	Normal	Bifurcated; Included union	No visual defects	X2 at base - Self seeded specimen adjacent to the ditch. Minor deadwood over ditch.	No work	NW	24
T29	Norway Maple	15	M	G	Old pruning wounds; Cavities; Low branches; Deadwood	Normal	No visual defects	No visual defects	Low hanging branches within close proximity to electricity cables and adjacent electricity pole & junction box. Seek advice from electricity company. Remove deadwood over path.	Prune	1 Month	24
T30	Norway Maple 'Crimson King'	9	MM	G	No visual defects	Normal	No visual defects	No visual defects		No Work	NW	24
T31	Walnut	9	Y	G	No visual defects	Normal	No visual defects	No visual defects		No Work	NW	24
T32	Horse Chestnut	14	M	G	Old pruning wounds;	Normal	Bleeding Canker	No visual defects	Bark cracking noted on main stem - indication of the presence of Bleeding Canker - tar spots present	No Work	NW	24
T33	Ash	14	MM	F	Deadwood; Low branches	Normal	Ivy	No visual defects	Tree is growing through the canopy of T32. Keep ivy free for next inspection	Sever ivy	24	24
T34	Norway Maple	17	M	G	Minor deadwood	Normal	No visual defects	No visual defects	Ivy starting to encroach - keep ivy free for next inspection	Prune	24	24
T35	Horse Chestnut	15	M	G	Old pruning wounds	Normal	No visual defects	No visual defects	Previously pruned to clear the low voltage line.	No Work	NW	24
T36	Horse Chestnut	15	M	G	Old pruning wounds; Cavities;	Normal	No visual defects	No visual defects	Ivy starting to encroach - keep free for next inspection	Sever ivy	24	24
T37	Horse Chestnut	15	M	G	Tight unions; Old pruning wounds; Minor deadwood	Normal	Ivy; Minor wound	Surface roots; Compacted ground	Minor deadwood over ditch. Swing on tree branch. Grafted primary branches	No Work	NW	24
T38	Norway Maple	15	M	F	Minor deadwood; Squirrel damage	Normal	No visual defects	No visual defects	Minor scattered deadwood over the path. Not significant but as a precautionary measure remove in excess of 50mm. Prune to clear BT wires that are serving the new development.	Prune	1 Month	24
T39	Weeping Willow	19	M	F	Dead ivy stems; Deadwood	Normal	Dead ivy	Dead ivy	Adjacent to Culvert. Ivy has been severed - dead ivy still present and partially obscures main stem and main branch frame - recommend remove remainder of dead ivy. Annual inspections required.	Prune	3 Months	12
T40	Red Horse Chestnut	10	M	F	Old pruning wounds; Crack; Minor deadwood	Normal	Fungus; Bifurcated; Decay; Grass clippings		Decay fungus Perreniporia fraxinea present at base of tree on east side - carry out internal decay detection. Annual inspections required. Remove grass clippings as these can cause anearobic conditions within rooting area.	Annual Inspections	12	12

TREE SURVEY DATA

Tree No.	Species	HT (M)	Age Class	Phys. Cond.	Branches	Leaf/Buds	Stem	Roots	Comment	Proposed Work	Priority	Next Survey (months)
T41	Sycamore	14	MM		Old pruning wounds	Normal	Bifurcated; Included union; Tight unions; Ivy	Ivy	Tree adjacent to a wooden garage - ivy has hindered survey.	Sever ivy	1 Month	
T42	Sycamore	18	M	F	Minor deadwood; Old pruning wounds; Stubs	Normal	Bifurcated	Ivy	Tree adjacent to a wooden garage - ivy has hindered survey.	Sever ivy	1 Month	
T43	Sycamore	18	M	F	No visual defects	Normal	Cavity	Ivy	Tree adjacent to a wooden garage - ivy has hindered survey.	Sever ivy	1 Month	
T44	Lime	14	MM	G	No visual defects	Normal	No visual defects	No visual defects		No work	NW	12
T45	Lime	13	MM	G	Old pruning wounds	Normal	No visual defects	No visual defects		No work	NW	12
T46	Lime	20	M	G	Old pruning wounds; Minor deadwood	Normal	Epicormics	Basal epicormics	Minor deadwood present in canopy. Remove basal suckers and reinspect base of tree.	Prune	1 Month	12
T47	Lime	24	M	F	Old pruning wounds; ; Brace	Normal	Cavities	Basal epicormics	Cavity x1 at top of main stem and x1 at 4m agl. Invasive bracing system in tree.	No Work	NW	12
T48	Lime	24	M	G	Old pruning wounds; Minor deadwood	Normal	Old pruning wounds	Basal epicormics	Minor deadwood in canopy - remove. Remove basal epicormics.	Prune	1 Month	12
T49	Lime	16	MM	F	Minor deadwood	Normal	Old pruning wounds	Basal epicormics	Prune minor deadwood and remove basal epicormics and re-inspect	Prune	1 Month	12
T50	Lime	10	MM	G	No visual defects	Normal	No visual defects	No visual defects		No work	NW	24
T51	Lime	15	MM	F	Minor deadwood; Old pruning wounds	Normal	No visual defects	No visual defects	Minor deadwood in canopy.	Prune	1 Month	12
T52	Hornbeam	7	Y	G	No visual defects	Normal	No visual defects	No visual defects	Commemorative tree	No work	NW	24
T53	Lime	11	MM	F	No visual defects	Normal	Bifurcated	No visual defects	x 2 stems at 1m agl with tight unions.	No Work	NW	24
T54	Beech	11	MM	G	Tight unions	Normal	No visual defects	No visual defects		No work	NW	24
T55	Beech	15	MM	G	No visual defects	Normal	No visual defects	No visual defects		No work	NW	24
T56	Lime	17	M	F	Old Pruning wounds; Tight branch unions	Normal	Wounding	Basal epicormics	Remove basal epicormics	Prune	3 Months	24

TREE SURVEY DATA

Tree No.	Species	HT (M)	Age Class	Phys. Cond.	Branches	Leaf/Buds	Stem	Roots	Comment	Proposed Work	Priority	Next Survey (months)
T57	Lime	23	M	F	Old pruning wounds Deadwood	Normal	Old pruning wounds; Epicormics	No visual defects	Deadwood over the adjacent path	Prune	1 Month	12
T58	Beech	16	M	F	Tight unions; Crossing branches; Grafted branches	Normal	No visual defects	No visual defects		No work	NW	24
T59	Hornbeam	7	Y	G	No visual defects	Normal	No visual defects	No visual defects		No work	NW	24
T60	Midland Hawthorn	7	M	F	Old pruning wounds	Normal	No visual defects	No visual defects	Informal access across green to adjacent property.	No work	NW	24
T61	Oak	9	MM	F	Old pruning wounds;	Normal	No visual defects	No visual defects	Crown reduced in the past. Localised decay at pruning points.	No work	NW	24
T62	Oak	9	MM	G	Old pruning wounds	Normal	No visual defects	No visual defects		No Work	NW	24
G63	Hawthorn group	5	MM	F	No visual defects	Normal	No visual defects	No visual defects	Close proximity to adjacent property and cricket pavilion.	No Work	NW	24
T64	Oak	20	M	G	Fractures; Old pruning wounds	Normal	Old pruning wounds	No visual defects	Over extended laterals. Recommend a lateral reduction of 2m.	Prune	3 Months	12
T65	Hornbeam	7	Y	G	No visual defects	Normal	No visual defects	No visual defects		No Work	NW	24
T66	Hornbeam	8	Y	G	No visual defects	Normal	No visual defects	No visual defects		No Work	NW	24
T67	Beech	11	MM	F	Tight Unions	Normal	Old pruning wounds; Multiple stems	No visual defects	Multiple stems cut close to ground level. X5 main scaffolds. X2 stems have started to graft with one another	No Work	NW	24
T68	Ash	13	MM	G	Low hanging branches	Normal	Basal decay	No visual defects	Basal decay noted on south side of main stem at ground level - historical trimmer damage. Low branches over adjacent driveway	Prune	3 Months	24
G69	Beech x4	Ave 12	MM	F	No visual defects	Normal	No visual defects	No visual defects	Keep ivy free for next inspection	No Work	NW	24
T70	Corsican Pine	16	M	F	Dieback	Normal	No visual defects	No visual defects	Carry out a visual inspection in May 2022 to inspect canopy	Further Inspection	May-22	
T71	Leyland Cypress	14	M	F	No visual defects	Normal	see notes	No visual defects	X2 at base - X1 stem topped/failed. No visual defects on the remaining stem - no ivy.	No work	NW	24
T72	Hawthorn	7	MM	F	No visual defects	Normal	No visual defects	No visual defects	Suppressed by adjacent trees. Growing adjacent to the ditch.	No work	NW	
T73	Crack Willow	22	OM	G	Lapsed Pollard	Normal	No visual defects	No visual defects	Lapsed pollard within close proximity to the road. Recommend to crown reduce by 10m	Prune	3 Months	24

TREE SURVEY DATA

Tree No.	Species	HT (M)	Age Class	Phys. Cond.	Branches	Leaf/Buds	Stem	Roots	Comment	Proposed Work	Priority	Next Survey (months)
T74	Lime	24	M	G	Tight unions; Minor deadwood	Normal	No visual defects	No visual defects	No targets regarding deadwood.	No work	NW	24
T75	Crack Willow	12	MM	F	No visual defects	Normal	Leans; Ivy	No visual defects	Tree leans north - has undergone adaptive growth. Poor overall specimen. Remove	Fell	3 Months	N/A
T76	Lime	19	MM	G	Old pruning wounds; Wounding; Low hanging	Normal	No visual defects	No visual defects	Broken branch from passing traffic. Crown lift to clear road.	Prune	3 Months	24
T77	Lime	9	MM	F	Broken branches; Old pruning wounds; Stubs	Normal	see notes	Rootplate lifting	Previous crown reduction works carried out	No work	NW	24
T78	Oak	10	MM	G	No visual defects	Normal	No visual defects	No visual defects	Commemorative tree	No Work	NW	24
T79	Hornbeam	8	MM	G	No visual defects	Normal	No visual defects	No visual defects	Commemorative tree	No work	NW	24
T80	Beech	16	MM	G	Crossing/rubbing branches; Tight Unions	Normal	No visual defects	No visual defects		No work	NW	24
T81	Beech	12	M	G	Old Pruning Wounds; Tight unions; Low hanging branches	Normal	No visual defects	No visual defects	Low branches over adjacent bench. Prune to clear	Prune	3 Months	24
T82	Copper Beech	16	M	G	Crossing branches	Normal	No visual defects	No visual defects		No work	NW	24
T83	Ash	10	MM	G	No visual defects	Normal	No visual defects	No visual defects		No work	NW	24
T84	Ash	12	MM	G	No visual defects	Normal	No visual defects	No visual defects		No work	NW	24
T85	Walnut	4	Y	P	No visual defects	Dieback	No visual defects	No visual defects		No Work	NW	24
T86	Horse Chestnut	9	MM	F	Bark Cracks	Normal	Wounding; Bleeding canker	No visual defects	Tree is suffering from Bleeding Canker.	No work	NW	24
T87	Lime	26	M	F	Major deadwood; Old Pruning wounds	Normal	No visual defects	Basal epicormics	Prune major deadwood that is overhanging the road	Prune	1 Month	24
T88	Lime	15	M	G	Minor Dieback; Old pruning wounds; Minor fractures	Normal	Old pruning wounds; Minor epicormics	No visual defects	Scattered minor deadwood - no targets. Minor basal epicormics	No work	NW	24
T89	Lime								Tree no longer present.			
T90	Red Horse Chestnut	14	M	F	Minor fractures; Minor deadwood	Normal	Cavity; Canker, Slim Flux, Minor epicormics	No visual defects	Tree has been reduced as pre the 2017 tree work recommendations. Precautionary measure to reinspect cavity.	Further Inspection	1 Month	
T91	Lime	16	MM	G	Crossing branches	Normal	No visual defects	No visual defects		No work	NW	24

TREE SURVEY DATA

Tree No.	Species	HT (M)	Age Class	Phys. Cond.	Branches	Leaf/Buds	Stem	Roots	Comment	Proposed Work	Priority	Next Survey (months)
T92	Lime	21	M		Old pruning wounds	Normal	Inverted Rib	No visual defects		No work	NW	24
T93	Lime	26	M	G	Old pruning wounds; Minor deadwood	Normal	Epicormics	See notes	Informal driveway to the adjacent property over root plate-will cause compaction. Minor deadwood not currently a concern	No work	NW	24
T94	Lime	18	M		Minor cavities; Old pruning wounds	Normal	Basal epicormics	See notes	Informal driveways to the adjacent properties over root plate-will cause compaction. Lower stem/rooting area not inspected - remove epicormics and re-inspect.	Further Inspection	3 Months	
T95	Norway Maple	15	M	F	Old pruning wounds; Cavities; Brace	Normal	Old Pruning wounds; Cavity	No visual defects		No work	NW	24
T96	Lime	17	M		Minor deadwood	Normal	Epicormics; Old pruning wounds	Basal epicormics	Tree is located adjacent to bench - Basal area not inspected - Remove basal epicormics and reinspect	Further Inspection	3 Months	
T97	Lime	21	M	F	Old pruning wounds	Normal	No visual defects	Not inspected		No work	NW	24
T98	Lime	12	M	F	Old pruning wounds	Normal	Basal epicormics	Not inspected	Informal driveway to the adjacent property over root plate-will cause compaction. Monitor for signs of root damage.	No work	NW	24
T99	Copper Beech	21	M	F	Old pruning wounds; Low hanging branches	Normal	Cavity; Decay	No visual defects	Cavity at base. Low hanging branches over the road	Prune	1 Month	24
T100	Horse Chestnut	22	M	F	Topped; Old Pruning wounds	Normal	Old pruning wounds; Staining	No visual defects	Previously topped. BT wires within close proximity - not currently a cause of concern. Minor staining on main stem attributed to Bleeding canker.	No work	NW	24
T101	Holly	13	M	F	Old pruning wounds; Tight unions	Normal	Old pruning wounds	No visual defects	X3 tight unions at top of main stem	No Work	NW	24
T102	Oak	9	MM	F	No visual defects	Normal	Old pruning wounds	No visual defects	Suppressed by adjacent Ash - biased canopy growth south. Commemorative tree.	No work	NW	24
T103	Ash	19	M		No visual defects	Normal	Bifurcated; Cavity; Fungus	See notes	Tree growing adjacent to ditch - was originally x2 stems. - Eastern stem removed. Decay noted. Unidentified fungal bracket in pruning wound.	Further Inspection	1 Month	
T104	Ash	19	M	F	No visual defects	Normal	Old pruning wounds	No visual defects		No work	NW	24
T105	Yew	12	M	G	Low hanging branches; Old pruning wounds	Normal	Ivy	No visual defects	Growing in St Lawrence's Churchyard. Low foliage over adjacent headstones. Broad spreading tree.	Prune	3 Months	24

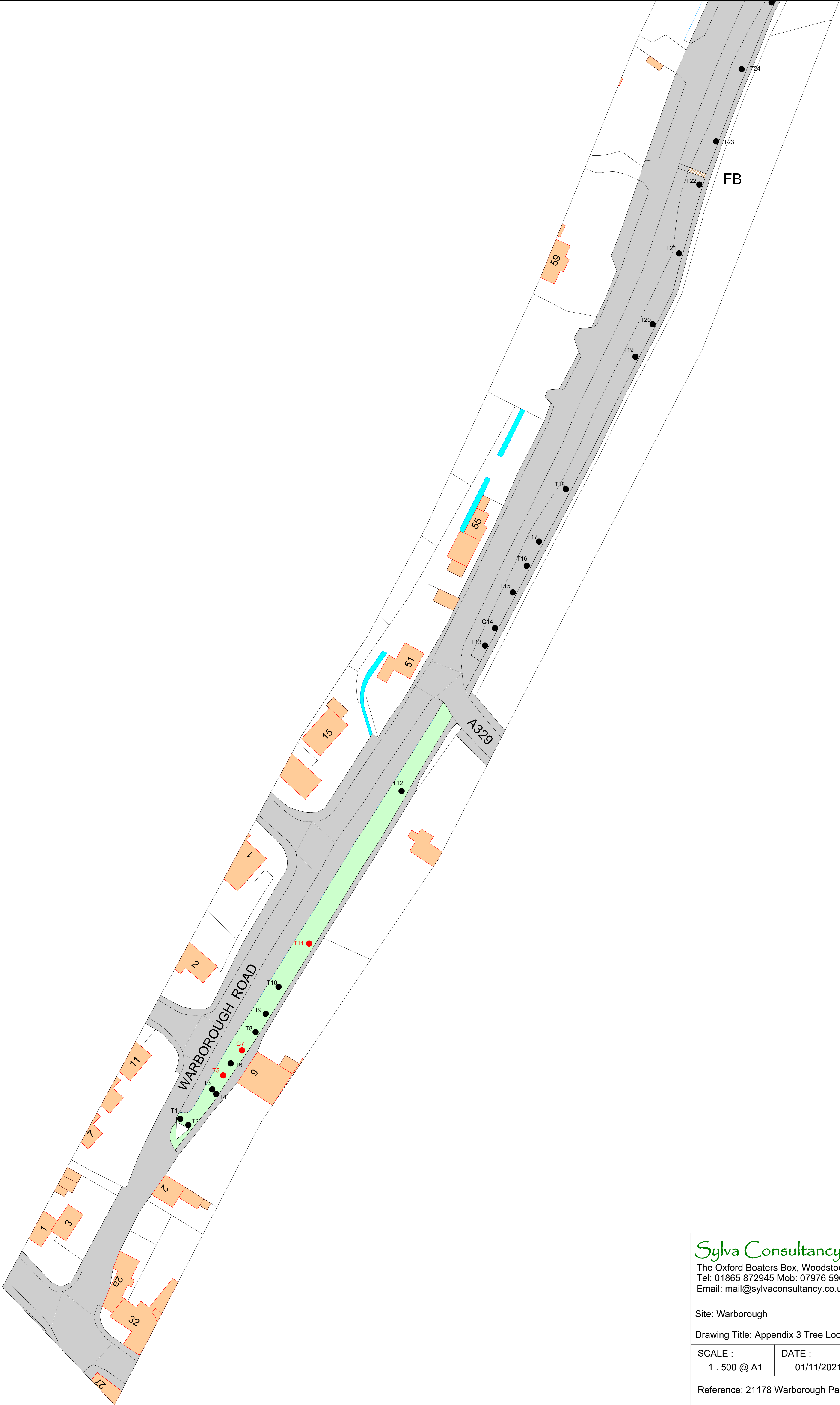
TREE SURVEY DATA

Tree No.	Species	HT (M)	Age Class	Phys. Cond.	Branches	Leaf/Buds	Stem	Roots	Comment	Proposed Work	Priority	Next Survey (months)
T106	Atlas Cedar	11	M	G	Low hanging branches; Old pruning wounds; Minor deadwood	Normal	Old pruning wounds; Ivy	No visual defects	Growing in St Lawrence's Churchyard. Remove deadwood. Ivy starting to encroach - keep ivy free for next inspection.	Prune	3 Months	24
T107	Lawson Cypress	15	M		Low hanging branches; Old pruning wounds; Crossing branches	Normal	Old pruning wounds; Decay column	No visual defects	From ground level a column of decay on the north side of the tree - due to trees location recommend to undertake an internal decay inspection. Bark lifting noted.	Further Inspection	1 Month	
T108	Yew	12	M	F	Old pruning wounds; Crossing branches; Fracture; Stubs; Low hanging branches	Normal	Old pruning wounds; Ivy	No visual defects	Growing in St Lawrence's Churchyard adjacent to Lych Gate. Low hanging branches over entrance and path	Prune	3 Months	
T109	Yew	10	M	F	Old pruning wounds; Low hanging branches	Normal	Old pruning wounds; Tight union	No visual defects	Growing in St Lawrence's Churchyard adjacent to Lych Gate. Low hanging branches over entrance and path	Prune	3 Months	
T110	Turkey Oak	28	M		Old pruning wounds; Low hanging branches	Normal	No visual defects	No visual defects	Growing in St Lawrence's Churchyard. Western side of canopy getting close to the roofline with No. 40. Canopy within close proximity to BT pole.	Prune	3 Months	12
T111	Holly	12	M	F	Old pruning wounds	Normal	Multiple stems	No visual defects	Growing in St Lawrence's Churchyard.	No work	NW	24
T112	Oak	12	MM	G	Old pruning wounds	Normal	Old pruning wounds	No visual defects	Growing in St Lawrence's Churchyard. Commemorative tree	No work	NW	24
T113	Amelanchier	4	Y	F	No visual defects	Normal	No visual defects	No visual defects	Growing in St Lawrence's Churchyard	No work	NW	24
T114	Lime	16	M	F	Old pruning wounds; Epicormics	Normal	Epicormics	No visual defects	Growing in St Lawrence's Churchyard. Remove epicormics	Prune	3 Months	24
T115	Ash	18	M	F	Old pruning wounds; Stubs	Normal	No visual defects	No visual defects	Growing in St Lawrence's Churchyard. X1 stem on west - stub has decay - no targets.	No work	NW	24
T116	London Plane	22	M	G	Old pruning wounds; Cavity	Normal	Old pruning wounds; Ivy	No visual defects	Growing in St Lawrence's Churchyard. Growing on a bank area on the western boundary.	No work	NW	12
T117	Lime	18	M		Stubs; Minor deadwood	Normal	Ivy; basal epicormics	Compost heap	Growing in St Lawrence's Churchyard. Becoming suppressed by T118. Ivy present main stem not inspected. Sever ivy and reinspect. Prune basal epicormics.	Prune	1 Month	24
T118	Lime	28	M		Old pruning wounds; Major deadwood; Stubs; Cavity	Normal	Ivy; Decay	No visual defects	Growing in St Lawrence's Churchyard. Broad spreading specimen. Recommend to crown reduce the tree due to the tree's location.	Prune	3 Months	12

TREE SURVEY DATA

Tree No.	Species	HT (M)	Age Class	Phys. Cond.	Branches	Leaf/Buds	Stem	Roots	Comment	Proposed Work	Priority	Next Survey (months)
G119	Holly x3 Hawthorn x1	Ave 9	M	F	Old pruning wounds	Normal	Ivy	Leans east	Growing in St Lawrence's Churchyard. Hawthorn leans east	No work	NW	24
T120	Ash	14	MM	G	No visual defects	Normal	No visual defects	No visual defects	Growing in St Lawrence's Churchyard and on the edge of the ditch.	No work	NW	24
G121	Lime								Informed growing ono third party. Not inspected.			
T122	Lime								Informed growing ono third party. Not inspected.			
G123	Ash x 2								Informed growing ono third party. Not inspected.			
T124	Yew								Informed growing ono third party. Not inspected.			
G125	Ash x 6								Informed growing ono third party. Not inspected.			
T126	Ash								Informed growing ono third party. Not inspected.			
T127	Yew								Informed growing ono third party. Not inspected.			
T128	Oak								Tree no longer present.			
T129	Lime	16	M	F	Old pruning wounds; Deadwood	Normal	Epicormics	Small planting pit	Remove deadwood overhanging the adjacent property. Remove basal epicormics and reinspect.	Prune	3 Months	24
T130	Rowan	4	MM	F	No visual defects	Normal	Leans	No visual defects	Minor lean towards the road.	No work	NW	24
T131	Oak	15	MM	F	Old pruning wounds; Epicormics	Normal	Old pruning wounds	No visual defects	Mass of epicormic growth on the main branch framework - can be an indicator of stress - monitor	No work	NW	24
T132	Beech	15	MM	F	Canopy bias; Old pruning wounds; Low hanging branches	Normal	Old pruning wounds	No visual defects	Canopy bias towards the road. Low voltage cable runs through canopy - good clearance for now. Low branches overhanging desire line.	Prune	3 Months	24
T133	Beech	17	M	G	Low hanging branches; Tight Union; Old Pruning Wounds	Normal	Old pruning wounds	No visual defects	Low hanging branches within close proximity to Low Voltage cables. Clearance is OK for now - will become more problematic. Low hanging branches over desire line.	Prune	3 Months	24
T134	Jaquemontii Birch	14	M	G	Old pruning wounds; Low hanging branches	Normal	No visual defects	No visual defects	Localised decay at pruning points. Foliage becoming low. Prune to clear footpath	Prune	3 Months	24
T135	Oak	8	MM	G	No visual defects	Normal	Old pruning wounds	No visual defects		No work	NW	24
T136	Ash	12	MM	P	Broken branches;	Normal	No visual defects	No visual defects	Adjacnet to tree T38. Co - dominant union in main canopy has split. Growing in triangle by footpath. Remove.	Fell	1 Month	N/A

TREE LOCATION PLANS



Sylva Consultancy

The Oxford Boaters Box, Woodstock Road, Oxford, OX2 7AH
Tel: 01865 872945 Mob: 07976 596517
Email: mail@sylvaconsultancy.co.uk

Site: Warborough

Drawing Title: Appendix 3 Tree Location Plan 1

SCALE :
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DATE :
01/11/2021

Reference: 21178 Warborough Parish Council

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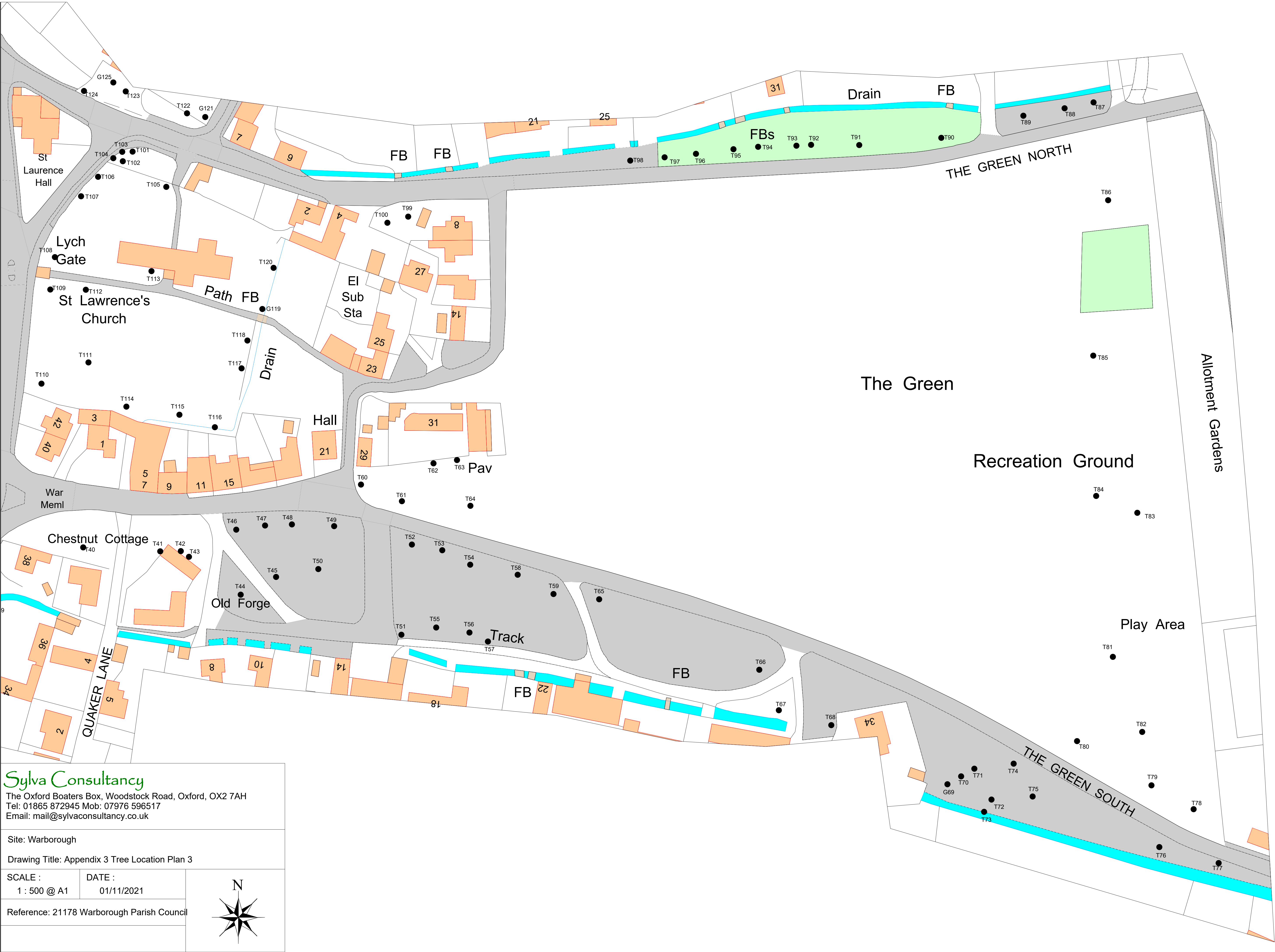
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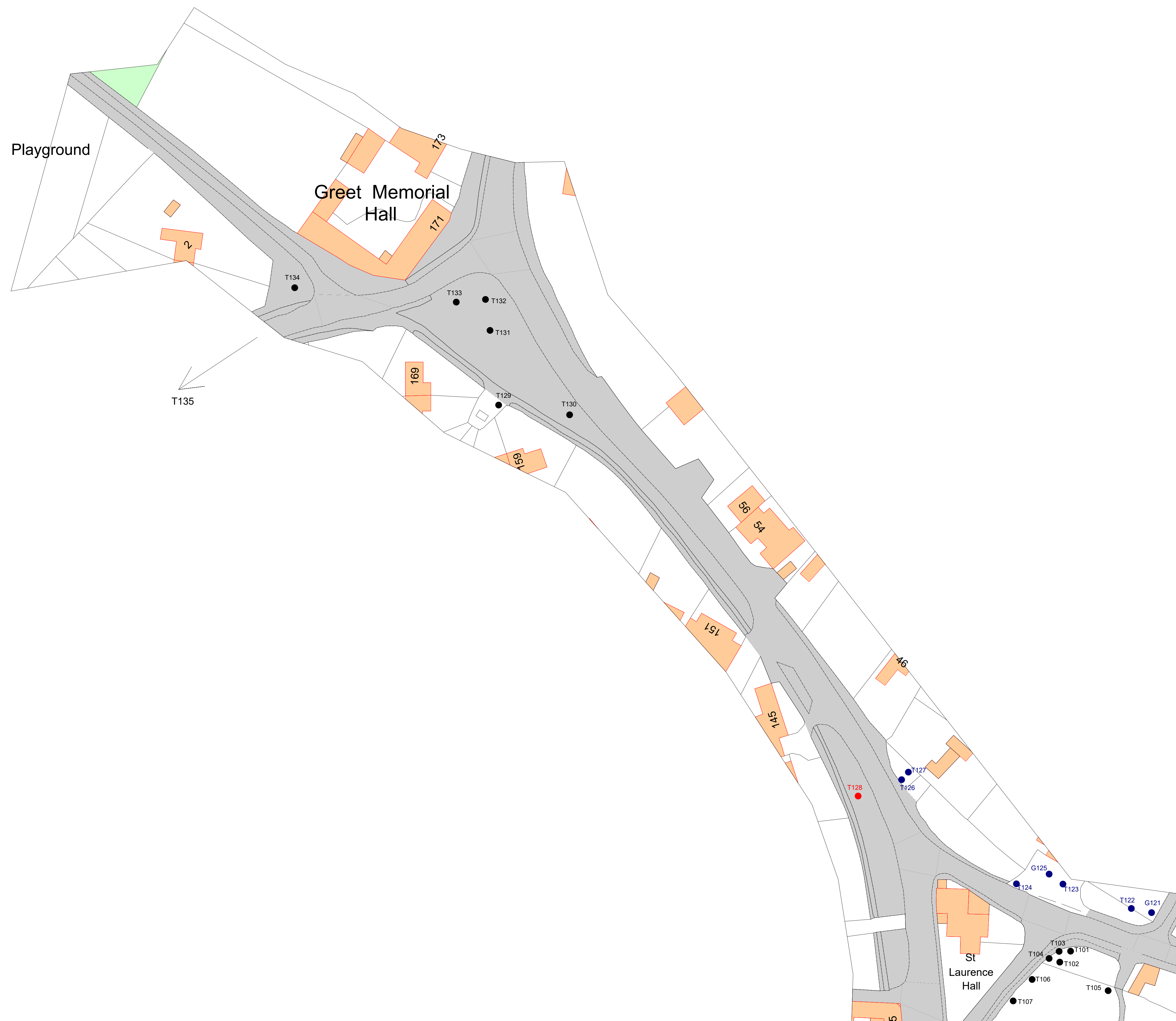
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Reference: 21178 Warborough Parish Council

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Sylva Consultancy

The Oxford Boaters Box, Woodstock Road, Oxford, OX2 7AH
Tel: 01865 872945 Mob: 07976 596517
Email: mail@sylvaconsultancy.co.uk

Site: Warborough

Drawing Title: Appendix 3 Tree Location Plan 4

SCALE :
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DATE :
01/11/2021

Reference: 21178 Warborough Parish Council

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TREE WORKS SCHEDULE

TREE WORK SCHEDULE

Tree No.	Species	Work Category 1	Work Item 1	Priority 1	Work Category 2	Work Item 2	Priority 2	Work Category 3	Work Item 3	Priority 3	Comment	Date of Works
T1	Sycamore	Ivy	Sever ivy	24 Months							Keep ivy free for next inspection	
T6	Sycamore	Prune	Low hanging branches	3 Months	Ivy	Sever ivy	24 Months				Prune to clear BT wires by 30cms. Keep ivy free for next inspection.	
T8	Sycamore	Prune	Basal Epicormics	6 Months							Remove basal epicormics on path side.	
T9	Norway Maple	Ivy	Sever ivy	24 Months							Keep ivy free for next inspection	
T10	Sycamore	Ivy	Sever ivy	1 Month	Further Inspection	Once ivy has died back						
T12	Ash	Fell	To ground level	1 Year							Recommend to fell to keep ditch clear. If retained sever ivy.	
T13	Norway Maple	Annual Inspection	Visual Inspection	1 Year							Wound on stem leaning over path. Annual inspections recommended.	
T16	Norway Maple	Further Inspection	Climbing Inspection	1 Month							Fungal bracket of Polyporus squamosus present on an old pruning wound at 4m agl on S/W side of the main stem. Further inspection. Probe cavities at top of main stem	
T17	Norway Maple	Prune	Major deadwood	1 Month	Ivy	Sever ivy	1 Month	Further Inspection	Visual Inspection	Jul-22	Re-inspect July 2022 in order to assess tree and canopy condition.	
T18	Norway Maple	Prune	Major deadwood	1 Month	Further Inspection	Visual Inspection	Jul-22				Re-inspect July 2022 in order to assess tree and canopy condition.	
T19	Norway Maple	Prune	Major deadwood	1 Month	Further Inspection	Visual Inspection	Jul-22				Re-inspect July 2022 in order to assess tree and canopy condition.	
T20	Norway Maple 'Crimson King'	Prune	Crown clean	1 Month	Further Inspection	Visual Inspection	Jul-22				Re-inspect July 2022 in order to assess tree and canopy condition.	
T21	Norway Maple	Prune	Low hanging branches	3 Months							Remove x 1 low branch over the path on south side of tree.	
T24	Norway Maple	Prune	Crown clean	1 Month	Further Inspection	Visual Inspection	Jul-22				Re-inspect July 2022 in order to assess tree and canopy condition.	
T29	Norway Maple	Prune	Deadwood	1 Month	Prune	Low Hanging Branches	See comment				Remove deadwood over path only. Prune back canopy to 30cms beyond road kerb (where cars park for the school run). Seek advice from Electricity company to clear pole and junction box.	
T33	Ash	Ivy	Sever ivy	24 Months							Keep ivy free for next inspection	
T34	Norway Maple	Prune	Deadwood	3 Months	Ivy	Sever ivy	24 Months				Crown clean canopy over path. Keep ivy free for next inspection.	
T36	Horse Chestnut	Ivy	Sever ivy	24 Months							Keep ivy free for next inspection	
T38	Norway Maple	Prune	Deadwood	3 Months	Prune	Low Hanging Branches	3 Months				Precautionary measure remove in excess of 50mm. Prune to clear BT wires that are serving the new development	
T39	Willow	Prune	Re-Cut	3 Months	Ivy	Dead Ivy	6 Months	Further Inspection	Annual Inspections		Prune back to most recent upper pruning cuts. Remove deadwood & dead ivy stems at the same time. Inspect annually.	
T40	Red Horse Chestnut	Further Inspection	Internal Decay Detection	1 Month	Prune	Deadwood	3 Months	Annual Inspection	Visual Inspection	12	Carry out internal decay detection. Remove deadwood and grass clippings. Annual inspections required.	
T41	Sycamore	Ivy	Sever ivy	1 Month	Further Inspection	Once ivy has died back	12 Months					
T42	Sycamore	Ivy	Sever ivy	1 Month	Further Inspection	Once ivy has died back	12 Months					

TREE WORK SCHEDULE

Tree No.	Species	Work Category 1	Work Item 1	Priority 1	Work Category 2	Work Item 2	Priority 2	Work Category 3	Work Item 3	Priority 3	Comment	Date of Works
T43	Sycamore	Ivy	Sever ivy	1 Month	Further Inspection	Once ivy has died back	12 Months					
T46	Lime	Prune	Minor deadwood	1 Month	Prune	Epicormics	1 Month				Remove minor deadwood in excess of 50mm. Prune basal epicormics.	
T48	Lime	Prune	Minor deadwood	1 Month	Prune	Epicormics	1 Month				Remove minor deadwood in excess of 50mm. Prune basal epicormics.	
T49	Lime	Prune	Minor deadwood	1 Month	Prune	Epicormics	1 Month				Remove minor deadwood in excess of 50mm. Prune basal epicormics.	
T51	Lime	Prune	Minor deadwood	1 Month							Remove minor deadwood in excess of 50mm.	
T56	Lime	Prune	Epicormics	3 Months							Prune basal epicormics	
T57	Lime	Prune	Deadwood	1 Month							Removed deadwood over the path	
T64	Oak	Prune	Lateral growth	3 Months							Carry out a lateral reduction of 2m.	
T68	Ash	Prune	Low hanging branches	3 Months							Prune to provide a 4m height clearance over adjacent driveway.	
T70	Corsican Pine	Further Inspection	Visual Inspection	May-22							Reinspect canopy condition.	
T73	Crack Willow	Prune	Crown Reduce	3 Months							Lapsed pollard. Recommend to crown reduce by 10m.	
T75	Crack Willow	Fell	To ground level	3 Months								
T76	Lime	Prune	Low hanging branches	3 Months							Remove damage branch and crown lift to 5.3m agl.	
T81	Beech	Prune	Low hanging branches	3 Months							Prune to provide 2.2m height clearance around bench.	
T87	Lime	Prune	Major deadwood	1 Month							Prune major deadwood over road.	
T90	Red Horse Chestnut	Further Inspection	Climbing Inspection	1 Month							Climb and inspect x 1 cavity.	
T94	Lime	Prune	Epicormics	3 Months							Remove epicormics and re-inspect.	
T96	Lime	Prune	Epicormics	3 Months							Remove epicormics and re-inspect.	
T99	Copper Beech	Prune	Low hanging branches	1 Month							Tip back branches to 5.3m agl over road.	
T103	Ash	Further Inspection	Internal Decay Detection	1 Month							Undertake a comparison drill - identify fungus.	
T105	Yew	Prune	Low hanging branches	3 Months	Ivy	Sever ivy	24				Tip back foliage over headstones to provide a 2m height clearance agl. Keep ivy free for next inspection.	
T106	Atlas Cedar	Prune	Deadwood	3 Months	Ivy	Sever ivy	24				Remove deadwood in excess of 50mm. Keep ivy free for next inspection.	
T107	Lawson Cypress	Further Inspection	Internal Decay Detection	1 Month							Internal decay inspection of main stem.	
T108	Yew	Prune	Low Hanging Branches	3 Months	Ivy	Sever ivy	24 Months				Prune low hanging branches to provide a 2.5m clearance over the path and entrance. Ensure a 50cmms clearance to Lych Gate. Keep ivy free for next inspection	
T109	Yew	Prune	Low Hanging Branches	3 Months	Ivy	Sever ivy	24 Months				Prune low hanging branches to provide a 2.5m clearance over the path and entrance. Ensure a 50cmms clearance to Lych Gate. Keep ivy free for next inspection	
T110	Turkey Oak	Prune	Low hanging branches	3 Months							Tip back lower laterals to provide a 2.5m clearance.	
T114	Lime	Prune	Epicormics	3 Months							Remove basal epicormics.	
T117	Lime	Prune	Basal Epicormics	1 Month	Ivy	Sever ivy	1 Month	Further Inspection	See Comment		Prune epicormics and reinspection basal area.	
T118	Lime	Prune	Crown Reduce	3 Months	Prune	Basal Epicormics	3 Months	Ivy	Sever ivy & Reinspect	3 Months	Crown reduce by up to 6m. Inspect decay at cavity. Remove epicormics. Sever ivy and re-inspect tree.	

TREE WORK SCHEDULE

Tree No.	Species	Work Category 1	Work Item 1	Priority 1	Work Category 2	Work Item 2	Priority 2	Work Category 3	Work Item 3	Priority 3	Comment	Date of Works
T129	Lime	Prune	Deadwood	3 Months	Prune	Epicormics	3 Months	Further Inspection	See Comment		Remove deadwood over neighbouring property. Remove epicormics up to the top of the main stem and then re-inspect main stem and basal area.	
T132	Beech	Prune	Low hanging branches	3 Months							Prune branches overhanging desire line to 3m agl.	
T133	Beech	Prune	Low hanging branches	3 Months							Prune branches overhanging desire line to 3m agl.	
T134	Jaquemontii Birch	Prune	Low hanging branches	3 Months							Tip back foliage over footpath to provide 2.5m height clearance over path.	
T136	Ash	Fell	To ground level	1 Month							Co dominant union has failed. Remove tree.	

BIBLIOGRAPHY/ GLOSSARY

TREE GLOSSARY

Adventitious:	Describing shoots, roots or other plant organs which develop other than in their normal position of origin (i.e. terminal/axillary buds).
Arboriculture	The cultivation of trees in order to produce individual specimens of the greatest ornament, for shelter, or any other primary purpose other than the production of timber.
Canopy	The uppermost layer of twigs or foliage in a woodland, tree or group of trees.
Chlorotic:	Chlorosis is an atypical colouring, usually yellowish, of foliage; often symptom of mineral nutrient imbalance or inadequate root function.
Crown	The spreading branches and the foliage of the tree supported by trunk(s).
Crown Cleaning:	The removal of dead, dying, crossing, diseased branches.
Crown Lifting:	The removal of lower limbs, generally back to the main stem or pruning lower secondary branches to give more clear space below the crown.
Crown Reduction:	The tree crown is reduced by shortening branches, usually carried out all round the crown or canopy to maintain a balanced shape. Partial reductions may be useful for preventing branches contacting buildings, roofs and guttering
Crown Thinning:	This reduces the density of the tree's crown without changing the shape and form of the tree. Thinning reduces the amount of foliage and allows more light through the canopy or crown. The amount is usually specified as a percentage (%) of the crown.
Dead wood	In some situations dead wood can pose a hazard as it can fall from the tree. However it also provides a range of habitats both when aerial and when on the ground.
Dieback	The death of a part of a tree, usually starting from the branch tips and progressing in stages.
Epicormics:	Pertaining to shoots or roots which are initiated on mature woody stems; shoots may form in this way from dormant buds or they may be adventitious.
Included Bark:	Bark of adjacent parts of the tree (usually in forks, acutely angled forks or basal flutes) which is a face-to-face contact, so that there is a weakness due to the lack of a woody union.
Occlusion:	The overgrowth of a wound with (callus) tissue which is produced subsequently.
Pollard	A tree cut once or repeatedly at a height above which grazing animals can reach the regenerating growth. Usually cut on a semi-regular basis with the whole or part of the crown removed.
Reaction Wood:	Usually laid down in wider annual increments than ordinary wood. Formed to help maintain the angle of a bent or leaning part of a tree by resisting the further bending downwards.

TREE GLOSSARY

Soil compaction	Soil compaction restricts the growth of trees, damages roots and reduce infiltration of water into the soil which over prolonged periods of time will be detrimental to tree health.
Stress	In plant physiology, a condition under which one or more physiological functions are not operating within their optimum range.
Vitality	In tree assessment, an overall appraisal of physiological and biochemical processes, in which high vitality equates with healthy function.
Wound wood:	Wood formed in the vicinity of a wound. Can also be used to describe the occluding tissues around a wound.

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QUALIFICATIONS

QUALIFICATIONS

Fiona Bradshaw

MicFor; RFS Dip Arb;F. Arbor.A; Tech Cert (Arbor.A)

I have over 22 years' experience of arboriculture and I am the principal consultant at Sylva Consultancy. I hold the Royal Forestry Society's Professional Diploma in Arboriculture and the Arboricultural Associations Technicians Certificate. I am a Fellow member of the Arboricultural Association and a professional member of the Institute of Chartered Foresters, of which I am also a registered Consultant.

I have the benefit of both a local authority and private practice background and I am frequently instructed to provide advice and assistance relating to trees and the planning process. I am also experienced at compiling expert reports, providing evidence and also appearing as an expert witness at Public Inquires.

I am committed to my continued professional development which is reflected in my regular attendance of seminars and workshops.