QINETIQ SITE,
FORT HALSTEAD, KENT

ARBORICULTURAL IMPACT ASSESSMENT

A Report to: QinetiQ

Report No: RT-MME-150872-02
Revision D

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REPORT VERIFICATION

This study has been undertaken in accordance with British Standard 5837:2012 "*Trees in Relation to Design, Demolition and Construction - Recommendations*".

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DISCLAIMER

The contents of this report are the responsibility of Middlemarch Environmental Ltd. It should be noted that, whilst every effort is made to meet the client's brief, no site investigation can ensure complete assessment or prediction of the natural environment.

Middlemarch Environmental Ltd accepts no responsibility or liability for any use that is made of this document other than by the client for the purposes for which it was originally commissioned and prepared.

VALIDITY OF DATA

The findings of this study are based upon the survey data produced as part of the Preliminary Arboricultural Assessment which is valid for a period of 12 months from the date of survey. If a planning application has not been submitted by this date, an updated site visit should be carried out by a suitably qualified and experienced arboriculturist to assess any changes to the trees and hedgerows on site to inform a review of the conclusions and recommendations made.

It should be noted that trees are dynamic living organisms that are subject to natural changes as they age or are influenced by changes in their environment. As such, following any significant meteorological event or changes in the growing environment of the trees they should be re-assessed by a suitably qualified and experienced arboriculturist.

This Arboricultural Impact Assessment has been produced following a review of a proposed development layout for the site based on data provided by the client. Should the development proposals change, this report will need to be updated to assess the impact of the amended development.

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1. INTRODUCTION

1.1 PROJECT BACKGROUND

Middlemarch Environmental Ltd were commissioned by QinetiQ to undertake an Arboricultural Impact Assessment of trees and hedgerows within Fort Halstead and associated specifically with the strategic redevelopment of QinetiQ owned land. The redevelopment involves the erection of a security fence, security entrance, new reception building, laying out of car park, refurbishment of a number of existing buildings, new site utilities, new magazine stores and works to a number of trees. A survey of the trees on site and within influencing distance of the boundaries was undertaken during September 2020 as part of a Preliminary Arboricultural Assessment (RT-MME-150872-01) which was produced to identify the existing trees and hedgerows to aid design and avoid unnecessary tree removal.

This Arboricultural Impact Assessment has been carried out in accordance with British Standard 5837:2012 *'Trees in Relation to Design, Demolition and Construction - Recommendations'* (hereafter referred to as BS5837). BS5837 sets out a structured assessment methodology to assist in determining which trees would be consider suitable or unsuitable for retention in the context of the proposed development. This Impact Assessment details the potential impact that the proposed development will have upon the site's existing tree stock and sets out recommendations for the subsequent mitigation or avoidance of impact.

1.2 SITE DESCRIPTION AND CONTEXT

The wider Fort Halstead site is located off Star Hill Road in Halstead, Kent, centred at National Grid Reference TQ 4970 5922. It is an irregular shaped parcel of land that measures 131.89 ha in size. The wider Fort Halstead site is bordered by the A224 Polhill to the north-east and Star Hill Road to the south-west. A mixture of arable and pastoral fields, pockets of woodland and farm buildings surround the site. The wider landscape is dominated by a rural setting, consisting of agricultural land interspersed with pockets of woodland and small settlements.

The planning application site extends to 15.8 ha and sits within the wider Fort Halstead site. The site is known as the QinetiQ enclave and is located on the southern-most boundary of the wider Fort Halstead site. The application site is bound by Crow Road to the north, the Scheduled Ancient Monument to the east, ancient woodland to the west and the existing site perimeter fence to the south.

At the time of the survey, the QinetiQ enclave comprised a defence research facility which contained a number of buildings with associated areas of hardstanding, surrounded by parcels of semi-natural and plantation woodland. Areas of neutral grassland, calcareous grassland and amenity grassland were also present, as well as patches of scrub and tall ruderal vegetation.

1.3 DOCUMENTATION PROVIDED

This assessment is based upon the information provided by the client in addition to information collected by Middlemarch Environmental Ltd during the Preliminary Arboricultural Assessment. The documents and drawings considered are detailed within Table 1.1.

Table 1.1: Documentation Provided

Author	Document	Drawing Number	Date
BakerHicks	Proposed Drainage Layout	BHK-00-XX-DR-C-7201 Rev P01	01/05/2020
BakerHicks	Proposed Site Data/Telecommunication Layout	BHK-00-XX-DR-E-7800 Rev P1	14/08/2020
-	Construction Logistics Plan Sketch	-	-
BakerHicks	Proposed Qinetiq Enclave Fort Halstead	30002236	-
BakerHicks	Proposed Site Plan	BHK-00-XX-DR-A-0003 Rev P1	23/04/2021

2. STATUTORY PROTECTION

2.1 TREE PRESERVATION ORDER AND CONSERVATION AREA DESIGNATIONS

Following consultation with the Local Planning Authority, Sevenoaks District Council, it is understood that TPO number 04 of 2016 (situated at Fort Halstead and adjacent wooded areas) applies to all trees present within the assessment area and therefore statutory constraints apply to the development in respect of trees.

No works must be undertaken on the trees protected by Tree Preservation Order number 04 of 2016 without prior permission from the Local Authority unless authorised as part of an approved planning application. Works include pruning, topping, lopping, uprooting or wilful damage or wilful destruction of these trees. Any proposed pruning works not currently approved will need to be fully specified and agreed within a future planning application. If works are not included within the planning application, a separate TPO application should be submitted to the Local Authority for permission to undertake any works (approximately an 8-week process).

The study area is not located within a Conservation Area.

Reference to the Multi Agency Geographical Information for the Countryside (MAGIC) website indicates that an area of ancient woodland has been recorded within 15.0 metres of the survey area. In this respect, W1 was noted to be partially designated as an area of Ancient and Semi-Natural Woodland. This woodland encroaches partially into the south-west corner of the site, with the remaining body of the A&SN Woodland running directly adjacent to the western site boundary.

2.2 PROTECTED SPECIES

Bats

Mature trees often contain cavities, hollows, peeling bark or woodpecker holes which provide potential roosting locations for bats. Bats and the places they use for shelter or protection (i.e. roosts) receive European protection under The Conservation of Habitats and Species Regulations 2017 (Habitats Regulations 2017). They receive further legal protection under the Wildlife and Countryside Act (WCA) 1981, as amended. Consequently, causing damage to a bat roost constitutes an offence.

Generally, should the presence of a bat roost be suspected whilst completing works on any trees on site then an appropriately licensed bat worker should be consulted for advice.

Birds

Trees and hedgerows offer potential habitat for nesting birds which are protected under the Wildlife and Countryside Act WCA 1981 (as amended). Some species (listed in Schedule 1 of the WCA) are protected by special penalties. This legislation makes it an offence to intentionally or recklessly damage or destroy an active bird nest or part thereof.

As the trees on, and adjacent, to the site provide potential habitat for nesting birds all tree work should ideally be completed outside the nesting bird season (Generally March to September).

If this is not possible then the vegetation should be subject to a nesting bird inspection by a suitably experienced ecologist prior to commencement of works. If any active nests are identified then the vegetation, and a defined buffer zone, will need to remain in place until the young have naturally fledged.

3. PRELIMINARY ARBORICULTURAL ASSESSMENT RESULTS SUMMARY

A total of 307 individual trees, 20 groups of trees and two woodlands were surveyed as part of the Preliminary Arboricultural Assessment. Trees assessed during the survey are listed as individual trees and groups of trees in the Tree Schedule (Appendix A) in accordance with BS5837:2012 recommendations. Table 3.1 below provides a summary of the survey results in terms of categorisation.

Table 3.1: Summary of Trees, Groups and Woodlands in BS5837:2012 Categories

BS5837:2012 Category	Tree Number
U	T5, T36, T40, T49, T50, T106, T140, T141, T165, T210, T255, T256, T264, T283, T284.
A	T6, T8, T9, T11, T12, T13, T14, T16, T19, T23, T28, T30, T31, T32, T34, T38, T43, T44, T46, T47, T55, T60, T62, T64, T65, T66, T67, T72, T75, T77, T78, T79, T80, T81, T84, T88, T89, T90, T91, T94, T95, T96, T98, T102, T107, T108, T112, T114, T115, T116, T118, T120, T121, T131, T132, T134, T142, T143, T152, T154, T157, T158, T161, T164, T171, T172, T173, T174, T184, T188, T192, T195, T199, T200, T202, T213, T215, T217, T218, T219, T223, T230, T234, T239, T240, T243, T252, T254, T257, T259, T260, T265, T266, T267, T270, T274, T275, T276, T278, T279, T280, T281, T282, T285, T286, T287, T288, T291, T292, T293, T294, T297, T298, T300, T307, G10, G11, G12, G18, W1.
B	T2, T4, T15, T17, T20, T21, T22, T25, T26, T27, T33, T37, T45, T48, T52, T54, T56, T57, T58, T63, T68, T69, T70, T71, T73, T74, T82, T83, T85, T87, T97, T99, T100, T101, T103, T104, T105, T110, T111, T117, T119, T122, T123, T126, T129, T133, T135, T136, T144, T146, T148, T150, T151, T153, T155, T156, T159, T162, T166, T167, T169, T170, T175, T176, T177, T178, T179, T180, T181, T182, T183, T185, T189, T190, T191, T194, T196, T197, T198, T201, T204, T205, T206, T207, T209, T212, T214, T216, T221, T222, T224, T225, T226, T227, T228, T229, T235, T236, T237, T241, T248, T249, T253, T258, T261, T262, T271, T273, T277, T296, T299, T301, T302, T303, T304, T305, T306, G3, G4, G5, G6, G7, G9, G20, W2.
C	T1, T3, T7, T10, T18, T24, T29, T35, T39, T41, T42, T51, T53, T59, T61, T76, T86, T92, T93, T109, T113, T124, T125, T127, T128, T130, T137, T138, T139, T145, T147, T149, T160, T163, T168, T186, T187, T193, T203, T208, T211, T220, T231, T232, T233, T238, T242, T244, T245, T246, T247, T250, T251, T263, T268, T269, T272, T289, T290, T295, G1, G2, G8, G13, G14, G15, G16, G17, G19.

The southern and western perimeter of the study area is dominated by Ancient and Semi-Natural Woodlands including young, semi mature, early mature, mature, and over mature trees which offer screening of the site from the surrounding area. These woodlands are of high conservation value to local wildlife.

The northern survey extent is bounded by Crow Drive along which stood a number of English oak trees which were good examples of their species.

Generally, the study area was dominated by mature trees such as Sweet Chestnut (*Castanea sativa*) and English oak (*Quercus robur*). The majority of the Sweet Chestnut trees were old coppice stools and the English oaks were maiden trees exhibiting minor defects, such as minor deadwood and dieback to lateral branches.

Generally, the tree stock was in good health with a minority either being in decline or dead at the time of the survey. These were identified and reported to Peter Honey (ETE Safety and Environmental Lead) from QinetiQ.

Several Ash trees within the ‘X Area’ were found to be either dead or in decline. During the survey it was suspected that the cause of the decline was early symptoms of Ash dieback (*Hymenoscyphus fraxineus*) and drought. Ash dieback is a disease of Ash trees and requires measures to prevent it from spreading. If access is required to the grassed areas for ground maintenance, then any surface, such as boots and tyre treads, should be cleaned prior to leaving the area to remove dirt, ideally a proprietary disinfectant should be used before and after.

Removing dead and dying ash trees is not discouraged as health and safety is paramount. The arisings should remain on site and as close to the felling as possible, to reduce the spread of the fungus.

4. ARBORICULTURAL IMPACT ASSESSMENT

4.1 INTRODUCTION

This section of the report details the potential impacts that the proposed development may have upon the site's tree stock. The assessment has been based upon the documents detailed in Table 1.1 with reference to the results of the Preliminary Arboricultural Assessment (RT-MME-150872-01).

The location of the trees can be found on the Tree Survey Plan (C150872-01-01 Rev A) and a schedule of the trees (Appendix A) attached to this report.

4.2 IMPACTS FROM DEVELOPMENT LAYOUT

4.2.1 Trees Previously Removed

Several individual trees have been removed from site since the original Arboricultural Survey. These trees are detailed in Table 4.1 below.

Table 4.1: Trees Removed from Site since Arboricultural Survey

Tree/ Group/ Hedgerow Reference	Species	Retention Category
T36	Ash	U
T40	Ash	U
T140	Ash	U
T141	Ash	U
T210	Ash	U
T255	Silver Birch	U
T256	Silver Birch	U
T264	Silver Birch	U
T283	Ash	U
T284	Ash	U

These individual trees were deemed unsuitable for future retention within the site due to their poor structural condition. The trees removed since the Arboricultural Survey are identified on the Tree Retention Plan (Drawing Number C150872-02-01 Rev C) attached to this report.

4.2.2 Tree Retention and Removal

The proposed development has been designed so that, where possible, existing trees are retained. The trees adjacent to the boundaries and around the periphery of the site, which offer screening value, are to be retained and incorporated into the development. However, to accommodate the proposals, it will be necessary to remove a number of trees within the site.

The trees to be removed are detailed within Table 4.2 and are identified on the Existing Trees for Removal Plan, Drawing Number (C150872-02-03), attached to this report. All trees, groups and hedgerows not featured within Table 4.2 are to be retained within the proposed development.

Table 4.2: Tree Removal			
Tree/ Group/ Hedgerow Reference	**Species**	**Retention Category**	**Reason for Removal**
T5	Ash	U	Unsuitable for future retention.
T48	Dogwood	B	Located within footprint of proposed electrical substation.
T50	Ash	U	Unsuitable for future retention.
T89	English Oak	A	Removal required to facilitate fence installation.
T91	English Oak	A	Located within the footprint of the car park.
T92	Cherry	C	Located close to car park and footpath.
T94	Red Oak	A	Located within footprint of proposed building refurbishment and external mechanical plant.
T96	English Oak	A	Located within the footprint of the car park.
T97	Holly	B	
T98	English Oak	A	
T99	English Oak	B	Located close to carpark bays and footpath.
T100	English Oak	B	
T101	English Oak	B	Located within a dry pond and bund.
T104	Silver Birch	B	Located too close to proposed building demolition and hardstanding installation works.
T105	Silver Birch	B	Located too close to the dry pond and bund.
T106	Silver Birch	U	Unsuitable for future retention.
T107	English Oak	A	Located within the footprint of the car park.
T110	Silver Birch	B	
T111	Silver Birch	B	
T113	English Oak	C	Removal required due to declining condition.
T115	Sweet Chestnut	A	Located too close to carpark.
T136	Cherry	B	Removal required to facilitate fence installation.
T139	Ash	C	New layby.
T142	English Oak	A	New layby.
T165	Silver Birch	U	Unsuitable for future retention.
T199	English Oak	A	Located within a proposed road.
T206	Silver Birch	B	
T209	Goat Willow	B	Located within a storage area.
T211	Silver Birch	C	Located within a storage area.
T216	Silver Birch	B	Located within a proposed road.
T221	Goat Willow	B	Located too close to proposed building.
T295	Silver Birch	C	Located too close to carpark.
T296	English Oak	B	
G6*	Mixed Species	B	Partial removal of one tree required to facilitate creation of new access road.
G8*	Ash	C	Partial removal required to facilitate creation of new pedestrian footpath.

The proposed development will ensure the retention and incorporation of the vast majority of trees across the site alongside new tree planting as part of the wider landscape strategy. However, the proposed development will require the removal of thirty-three individual trees. The partial removal of trees forming a further two groups will also be required.

Four individual trees identified for removal were considered to be unsuitable for retention during the Preliminary Arboricultural Assessment and therefore the removal of these trees would be required, irrespective of the proposed development, due to their poor condition. Certain Retention Category U trees may however possess existing or potential conservation value which make them desirable to preserve in the context of wildlife habitat (e.g. areas with limited public access).

Nine individual trees identified for removal were considered to be of high retention value during the arboricultural survey. These specimens offer a significant contribution to visual amenity within the site, and an appropriate level of replacement planting will be required to off-set their loss.

Fourteen individual trees identified for removal and a group identified for partial removal were of moderate retention value and suitable new tree planting will therefore be required to offer an adequate level of mitigation for this loss.

Although the loss of high and moderate quality trees should generally be avoided, the extensive tree cover across the site would limit the impact of these trees and as such, sufficient high-quality tree planting suitable to an agreed level could provide partial mitigation alongside management of the existing trees. The above approach should form a wider management plan for the existing retained tree stock to ensure continuous tree cover into the future.

The remaining trees and groups that are to be removed, or partially removed, were considered to be of a low retention value during the Preliminary Arboricultural Assessment. The proposed removal of these trees should not be a notable consideration as new tree planting of higher quality trees, more suited to the new development, will make a lasting contribution to the visual amenity value and canopy coverage of the site.

T113 requires removal due to its current condition. This tree showed signs of decline which had accelerated since the 2019 arboricultural survey (Report Number RT-MME-128206 Rev A) was undertaken and as such offers a limited contribution. It should, however, be noted that T113 is an English oak and as such provides an opportunity, if retained, as an important habitat for invertebrates, birds and mammals. Further assessment of the trees potential and risk should be undertaken to determine its viability in the context of the proposed surroundings.

4.2.3 Tree Pruning

All tree pruning works should be detailed as part of an Arboricultural Method Statement and completed in accordance with the current best practice guidance set out within BS3998:2010 *"Tree Work – Recommendations"* by suitably competent, qualified, and insured arboricultural contractors. It is recommended that the extent of pruning required is then identified to contractors in a pre-commencement site meeting as part of the enabling works.

4.3 Impacts from Demolition and Related Operations

4.3.1 Building Demolition

A total of twenty-four buildings will require demolition works be carried out within close proximity to retained trees and therefore, these works should be completed under arboricultural supervision following agreement of an approved methodology.

4.3.2 Removal of Hard Surfaces

For this project, no hardstanding is being removed within the RPA of retained trees and existing hard surfaces are either being reused or improved.

4.4 Direct Impacts from Construction

4.4.1 Works within RPAs

Some aspects of the proposed development will require works within the RPAs of retained trees as detailed within Table 4.3.

Table 4.3: Works in RPAs and Canopy Spreads						
Tree/ Group/ Hedgerow Reference	**Species**	**Retention Category**	**RPA (m)**	**Affected RPA (%)**	**Affected RPA (m)**	**Proposed Works**
T2	Ash	B	56	6.0	3.3	Footpath
T3	Ash	C	48	1.2	0.56	Footpath
T11	English Oak	A	81	1.1	0.88	Footpath
T12	English Oak	A	547	1.2	6.4	Footpath
T47	English Oak	A	290	5.3	15.3	Footpath
T78	English Oak	A	272	7.5	20.2	New Building
T87	English Oak	B	163	0.5	0.70	Substation
T90	English oak	A	-	-	-	Fence
T93	Silver Birch	C	10	17	1.7	Footpath
T95	English oak	A	206	21.2	43.7	Road
T102	English oak	A	430	14.6	62.9	Road Footpath SUDS Basin
T103	Silver birch	B	28	22.5	6.3	Road SUDS Basin
T108	English Oak	A	102	19.8	20.2	Footpath
T112	English oak	A	499	13.9	69.7	Road
T114	Norway Maple	A	238	8.1	19.2	Substation
T131	English oak	A	-	-	-	Fence
T132	English oak	A	-	-	-	Fence
T133	Whitebeam	B	-	-	-	Fence
T134	Beech	A	-	-	-	Fence
T135	Cherry	B	-	-	-	Fence
T137	Silver birch	C	-	-	-	Fence
T138	Silver birch	C	-	-	-	Fence
T157	English Oak	A	346	0.1	0.19	New building Working space
T158	Sycamore	A	408	2.3	9.2	New building Working space
T171	Sweet chestnut	A	-	-	-	Fence
T173	Sweet chestnut	A	-	-	-	Fence
T194	Ash	B	-	-	-	Fence
T198	Beech	B	-	-	-	Fence
T200	English oak	A	290	0.1	0.28	Road
T205	Silver birch	B	55	0.5	0.27	Road
T206	Silver birch	B	23	0.03	0.007	Road
T215	English Oak	A	308	12.1	37.2	Road
T297	English oak	A	430	17.4	74.7	Road
T300	English Oak	A	290	4.4	12.8	Footpath Substation Mechanical Plant
T307	English oak	A	327	6.9	22.8	Road and fence
G5	Mixed species	B	-	-	-	Fence
G7	Mixed species	B	-	-	-	Fence
W1	Mixed species	A	-	-	-	Fence

It should be noted that the RPAs affected by works to construct the new roads and car parking are not currently hard surfaced, though there are natural features such as dry ditches which might have affected root development from the trees located along Crow Road. A detailed methodology should be prepared along with site investigation works, such trial trenches, to support the works for the proposed roads and car parks. These exploratory works should be undertaken with arboricultural supervision, at pre-agreed locations and to a suitable methodology.

The creation of new footpaths and access roads will require the installation of new hardstanding within the RPAs of several retained trees. Where such works will take place upon unmade ground within the RPAs of retained trees, appropriate construction methods will need to be adopted. In this respect the use of no-dig construction methods is recommended to minimise potential impacts upon the roots of retained trees. Full details of the no-dig construction methodology shall be outlined within an Arboricultural Method Statement for the site.

The installation of the fences and security will require works to be undertaken beneath the canopies of retained trees, the methodology of these should be detailed as part of an Arboricultural Method Statement prior to erection of fences.

All works within the Root Protection Areas or beneath the canopy spreads of retained trees should be detailed as part of an Arboricultural Method Statement to ensure the method of construction is suitably considered.

4.4.2 Underground and Overhead Utilities

Wherever possible, common service trenches should be specified to minimise land take associated with underground service provision and facilitation access for future maintenance.

However, it is understood that the installation of several below and above ground utility lines will require excavation works within the RPAs of several retained trees across the site. Appropriate working methodologies will need to be detailed within an Arboricultural Method Statement in respect to these proposed excavations.

In other areas of the site, it is understood that existing below ground trenches and ducts will be adopted into the proposed utility schemes. In these instances, an appropriate arboricultural watching brief is recommended for works within RPAs.

4.4.3 Working Space

Sufficient working space around new buildings and utility installation at a distance of approximately 2.5 m will be required across the site and will enter the RPAs of several retained individual trees and tree groups. Suitable canopy, stem and ground protection measures will therefore be required to ensure any potential impact upon retained trees is mitigated. These mitigation measures should be included in an Arboricultural Method Statement following approval of the current planning application.

4.5 IMPACTS FROM CONSTRUCTION RELATED OPERATIONS

4.5.1 Site Access

It is understood that construction access to the site will be provided through the existing entrance and it may therefore be necessary to undertake access facilitation pruning works to low-hanging branches to minimise the potential for vehicular impact.

It will be necessary to ensure retained trees adjacent to the access route are protected from vehicular impact through the installation of tree protection barriers, prior to the commencement of the development.

4.5.2 Site Compound, Contractors Car Parking, Delivery and Storage of Materials

Material deliveries to the site will utilise the existing access point. Retained trees will be protected from harm by the prior installation of tree protection barriers and the completion of access facilitation pruning works (if required).

The site compound, contractor's parking, and areas for materials storage within the site should be confirmed as part of an Arboricultural Method Statement following approval of the current planning application.

5. SUMMARY OF IMPACTS

The proposed development of the site is unlikely to significantly impact upon the visual amenity of the local area as all work is within a closed site surrounded by dense woodland which is to be retained. The amount of tree loss required is limited and unlikely to significantly affect the wider landscape. Whilst some works are to be undertaken within the RPAs of retained trees, the nature of those works are such that they can be completed without impacting significantly upon the trees, subject to the adoption of appropriate working practices as detailed in a future Arboricultural Method Statement following approval of the current planning application.

6. MITIGATION AND PROTECTION

6.1 INTRODUCTION

This section of the report details the mitigation for the proposed tree loss, initial protection and avoidance measures suggested to prevent harm to the retained trees.

6.2 NEW TREE PLANTING

Landscape design proposals are currently under review, however, due to the size of the site there is scope to plant a sufficient number of new trees to mitigate the identified tree removal. The purpose and function of the new tree planting should be carefully considered so that key objectives from a wildlife habitat and landscape perspective can also be achieved.

There are a number of areas across the site where ground reprofiling works will be required to facilitate creation of new site access points. Following discussion with the client, it has been confirmed that all such areas will be re-seeded in accordance with 30002236-BHK-00-XX-DR-C-7101_P02. Proposed new tree planting is also illustrated on the Proposed Site Plan (Drawing Ref. 200421). At time of writing, locations of new tree planting and landscaping works are yet to be finalised. However, a replanting ratio of at least 3:1 for every tree removed from site is recommended to ensure a suitable level of mitigation.

The landscaping scheme should consider the use of both native tree species (for their low maintenance requirements and nature conservation value) and ornamental species (for their contribution to urban design and amenity value). Species choices should be selected on the basis of their suitability for the final site use. In this respect, species should be selected to mirror the stock already recorded on site (e.g. English Oak, Silver Birch, Sweet Chestnut, Sycamore and Beech).

Careful consideration should be given to the following: ultimate height and canopy spread, form, habit, density of crown, potential shading effect, colour, water demand, soil type and maintenance requirements in relation to both the built form of the new development and existing properties.

Tree planting should be avoided where they may obstruct overhead power lines or cables. Any underground apparatus should be ducted or otherwise protected at the time of construction to enable trees to be planted without resulting in future conflicts.

6.3 GENERAL TREE PROTECTION

6.3.1 Construction Exclusion Zone

To minimise the potential for harm to the root systems and canopies of retained trees during development construction exclusion zones will be required throughout the site. These are areas surrounding the trees' RPAs and canopies in which construction works, or related activities, will be avoided.

It is recommended that the exclusion zones are afforded protection at all times through the use of tree protection barriers and/or ground protection (specified in accordance with BS5837:2012). No works that cause compaction of the soil or severance of tree roots, except where undertaken in accordance with the guidance provided within this document or detailed within a subsequent AMS, will be undertaken within any exclusion zone.

6.3.2 Tree Protection Barriers

The protective barriers should be erected following any tree removal or tree surgery works and prior to the commencement of any construction site works e.g. before any construction materials or machinery are brought on site or the stripping of soil commences.

The protective barriers are to be constructed in accordance with the specification detailed in BS5837:2012. Any variation to the specification of the protective barrier should be agreed with the Local Planning Authority Arboricultural Officer or included as part of an Arboricultural Method Statement following approval of the current planning application.

6.3.3 Ground Protection

Ground protection measures will need to be installed within the RPAs of several retained individual trees and tree groups to permit access for construction and to provide space for site activities. Suitable ground protection measures should be detailed as part of an Arboricultural Method Statement following approval of the current planning application.

7. ARBORICULTURAL METHOD STATEMENT

An Arboricultural Method Statement will be required for the site as various aspects of the proposed development will need to be fully considered due to the presence of retained trees.

The purpose of a Method Statement is to ensure that all site operations can occur with minimal risk of adverse impact upon trees that are to be retained. The document will identify all areas where specific working methods will be required to ensure protection to trees. The document will also specify the location and extent of tree protection barriers and ground protection.

In relation to this development the Method Statement should address the following:

- Tree Surgery
- Site setup and logistics
- Works within Root Protection Areas
- Working space to construct new buildings
- Suitable site access, material storage contractor's car parking and site compound locations.
- Final protective barrier and ground protection locations and specifications
- Phased approach to development works to ensure retained trees are not impacted through demolition and new access construction works
- Extent of access facilitation pruning works to be undertaken.
- Pre-commencement site meeting

8. REFERENCES AND BIBLIOGRAPHY

British Standards Institution. (2010). *British Standard 3998:2010, Tree Work - Recommendations.* British Standards Institution, London.

British Standards Institution. (2012). *British Standard 5837:2012, Trees in Relation to Design, Demolition and Construction – Recommendations.* British Standards Institution, London.

Middlemarch Environmental Ltd. (2020). *Report Number RT-MME-150872-01*. Preliminary Arboricultural Assessment.

Littlefair P. (2011). *Site layout planning for daylight and sunlight: a guide to good practice* (BR 209). British Research Establishment, Watford.

9. DRAWINGS

Drawing Number C150872-01-01 Rev A – Tree Survey Plan

Drawing Number C150872-02-01 Rev C – Tree Retention Plan

Drawing Number C150872-02-02 Rev B – Existing Trees for Retention

Drawing Number C150872-02-03 – Existing Trees for Removal

Appendix A: Tree Schedule

C150872-01-01-RevA

Legend

- Tree location and stem diameter
- Dead tree
- Stump
- Category A
- Category B
- Category C
- Category U
- Current canopy extent
- Root Protection Area
- Indicative tree shadow
- Site boundary
- Ancient & Semi-Natural Woodland

Note: All trees are subject to Tree Preservation Order (TPO) 4 of 2016

T - Tree
G - Tree group
W - Woodland

The original of this drawing was produced in colour - a monochrome copy should not be relied upon

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 Preliminary Arboricultural Assessment and Tree Schedule. Drawing has been produced in colour and is based on digital informaton 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.

N

Project
QinetiQ Site, Fort Halstead, Kent

Drawing
Tree Survey Plan

Client
QinetiQ

Drawing Number	Revision
C150872-01-01-RevA	Rev A
Scale @ A3	Date
1:2,000	May 2021
Approved By	Drawn By
DM	GT

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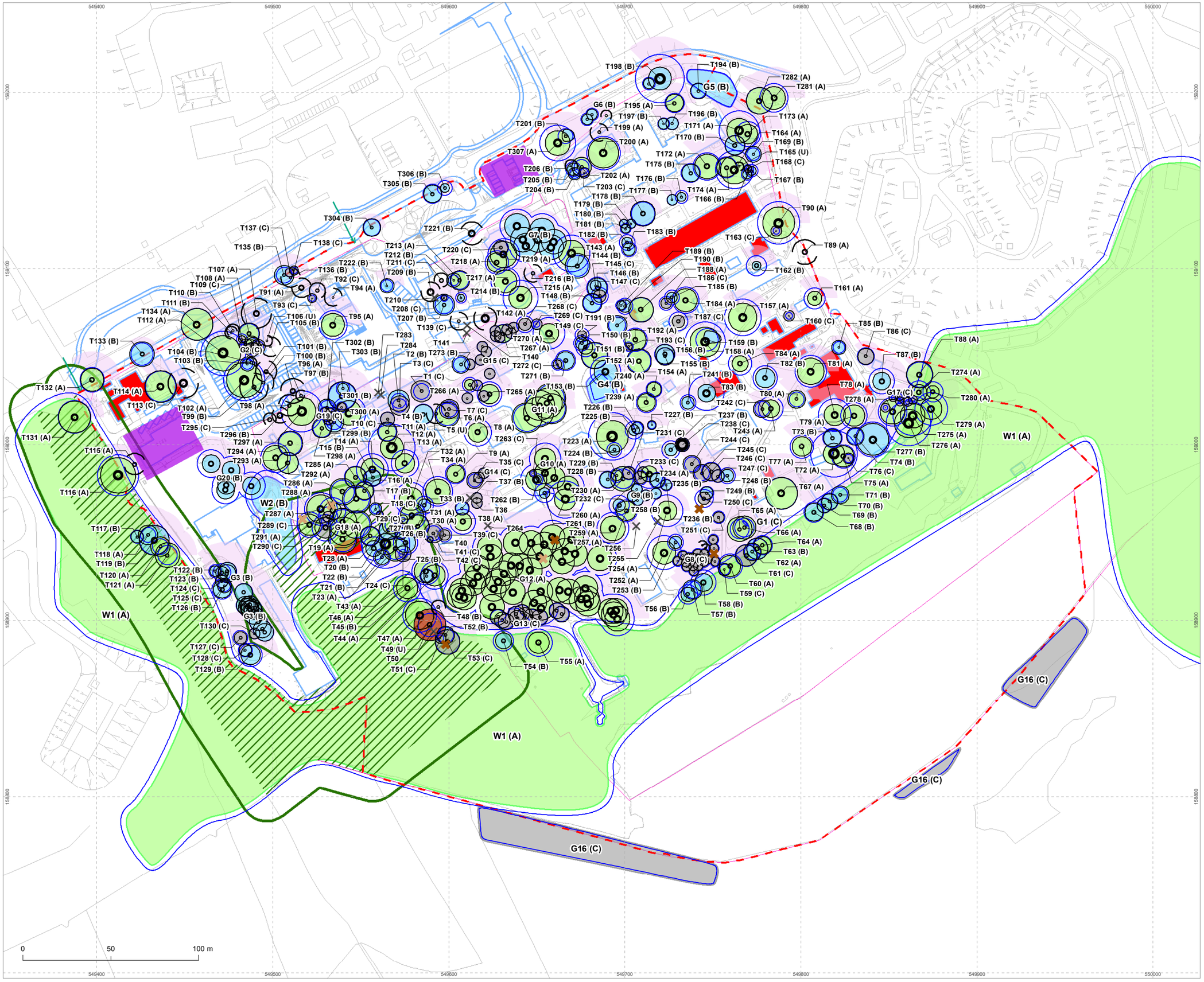

C150872-02-01-RevC

Legend

- Tree location and stem diameter
- Tree already removed from site
- Dead tree
- Stump
- Category A
- Category B
- Category C
- Category U
- Current canopy - tree to be removed
- Current canopy - tree to be retained
- Root Protection Area
- Indicative tree shadow
- Construction access
- Indicative construction compound/storage area
- Site boundary
- Ancient & Semi-Natural Woodland
- 15 m radius from ancient and semi-natural woodland
- Building to be demolished
- Fencing layout
- Proposed layout and works

Note: All trees are subject to Tree Preservation Order (TPO) 4 of 2016

T - Tree
G - Tree group
W - Woodland

NOTES

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N

Project: QinetiQ Site, Fort Halstead, Kent

Drawing: Tree Retention Plan

Client: QinetiQ

Drawing Number	Revision
C150872-02-01-RevC	Rev C
Scale @ A3	**Date**
1:2,000	June 2021
Approved By	**Drawn By**
DM	GT/RP

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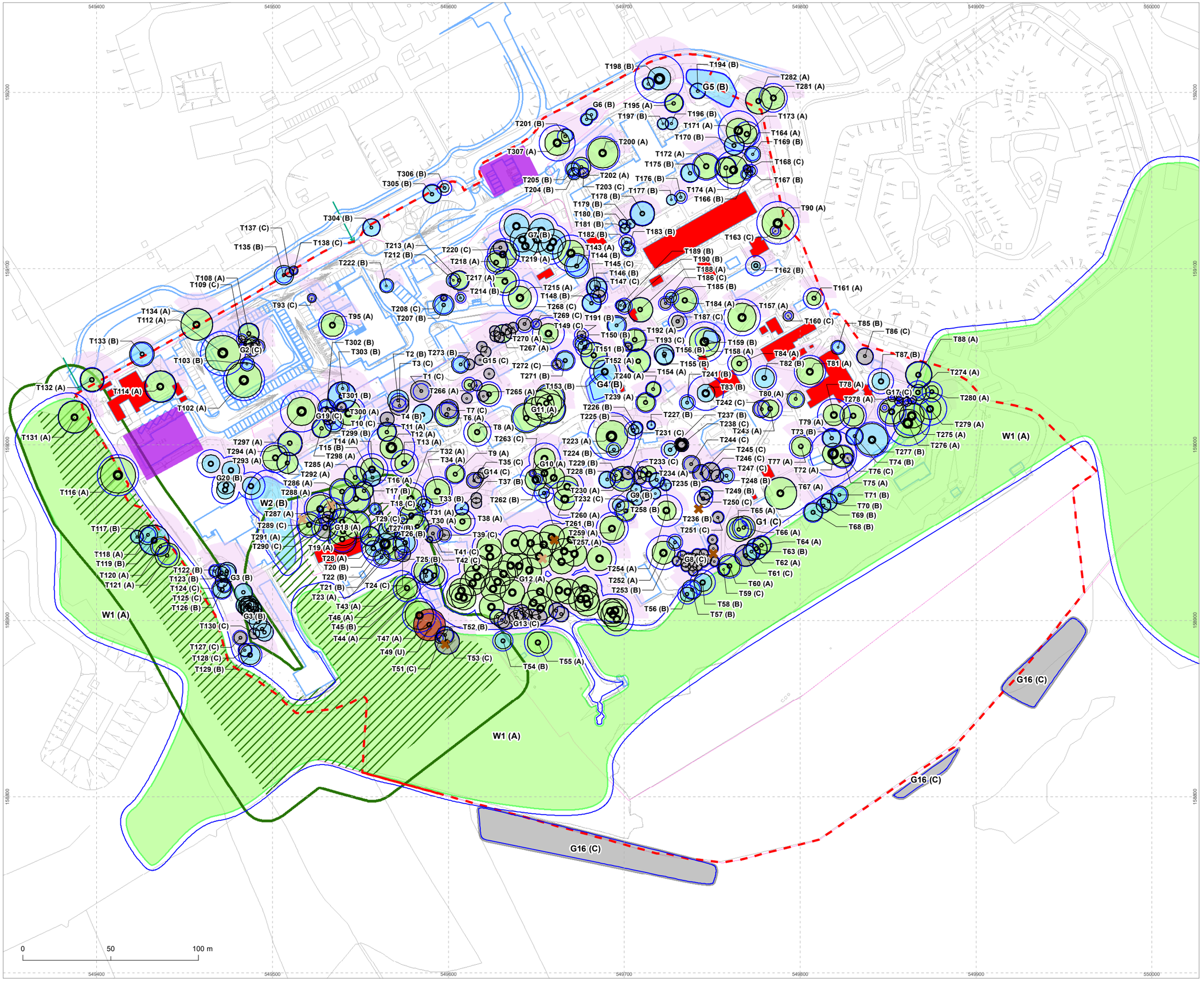

C150872-02-02-RevB

Legend

- Tree location and stem diameter
- Dead tree
- Stump
- Category A
- Category B
- Category C
- Category U
- Current canopy - tree to be retained
- Root Protection Area
- Indicative tree shadow
- Construction access
- Indicative construction compound/storage area
- Site boundary
- Ancient & Semi-Natural Woodland
- 15 m radius from ancient and semi-natural woodland
- Building to be demolished
- Fencing layout
- Proposed layout and works

Note: All trees are subject to Tree Preservation Order (TPO) 4 of 2016

T - Tree
G - Tree group
W - Woodland

NOTES
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N

Project: QinetiQ Site, Fort Halstead, Kent

Drawing: Existing Trees for Retention

Client: QinetiQ

Drawing Number	Revision
C150872-02-02-RevB	Rev B
Scale @ A3	Date
1:2,000	June 2021
Approved By	Drawn By
DM	GT/RP

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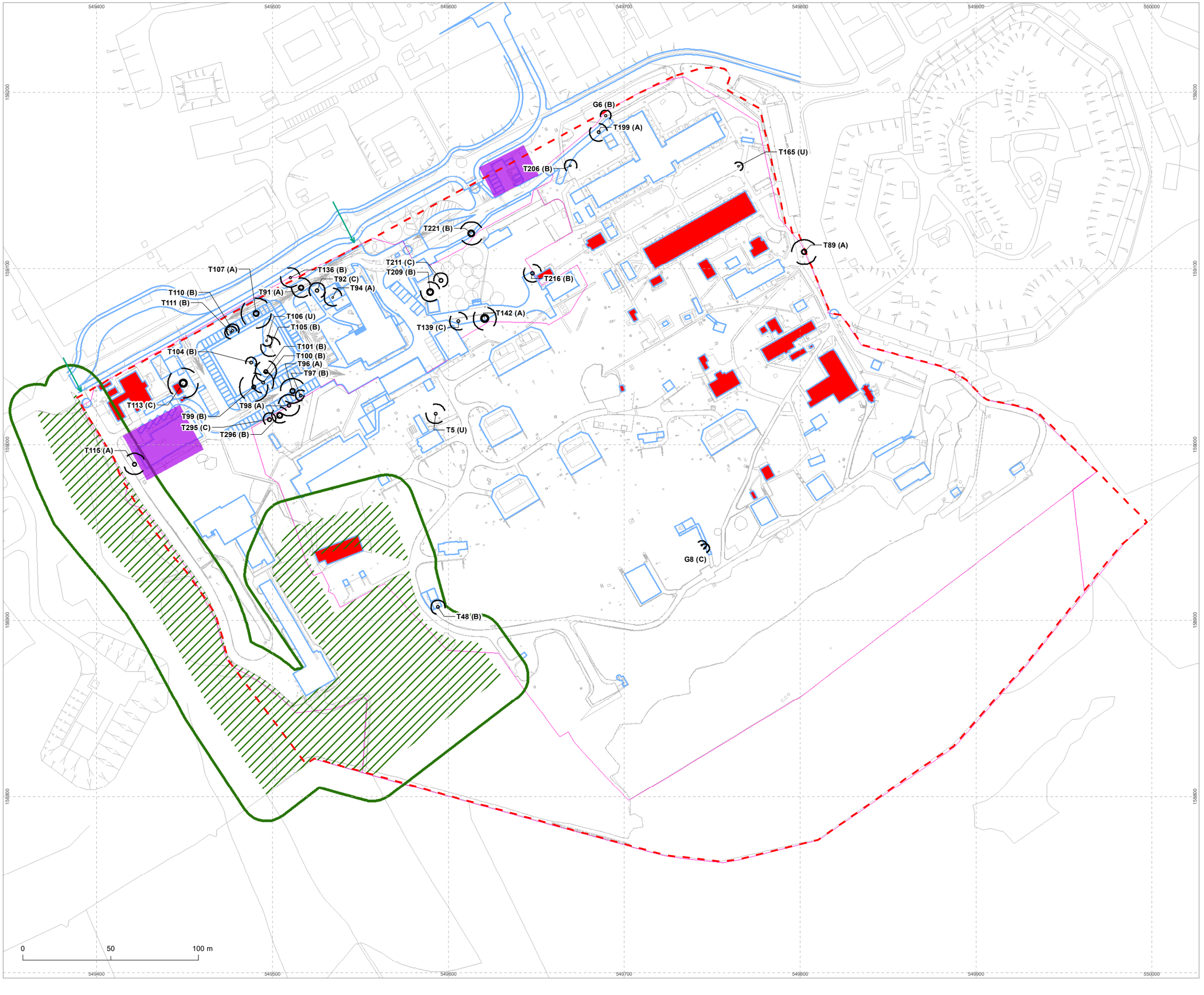

C150872-02-03

Legend

- Tree location and stem diameter
- Current canopy - tree to be removed
- Construction access
- Indicative construction compound/storage area
- Site boundary
- 15 m radius from ancient and semi-natural woodland
- Ancient & Semi-Natural Woodland
- Building to be demolished
- Fencing layout
- Proposed layout and works
- Proposed site Plan_Bound 200421-Modified.dwg Polyline

Note: All trees are subject to Tree Preservation Order (TPO) 4 of 2016

T - Tree
G - Tree group

The original of this drawing was produced in colour - a monochrome copy should not be relied upon

NOTES
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N

Project
QinetiQ Site, Fort Halstead, Kent

Drawing
Existing Trees for Removal

Client
QinetiQ

Drawing Number	Revision
C150872-02-03	00
Scale @ A3	Date
1:2,000	June 2021
Approved By	Drawn By
DM	GT

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Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T1	Ash	10.0	3.0	1	360	6.0	6.0	6.0	6.0	EM	F	F	64	4.5	C 1	Apical dieback Lateral dieback Hard surfaces within the rooting area Minor deadwood in the crown Tree is showing signs of decline Major deadwood in the crown Epicormic growth observed in the crown Epicormic growth on the main stem
T2	Ash	13.0	2.5	1	330	6.0	6.0	6.0	6.0	EM	F	G	55	4.2	B 1	Lateral dieback Minor deadwood in the crown Hard surfaces within the rooting area Pruning wounds observed
T3	Ash	15.0	2.5	1	310	5.5	5.5	5.5	5.5	EM	F	F	48	3.9	C 1	Apical dieback Lateral dieback Minor deadwood in the crown Included union at 3.0 m
T4	Beech	10.0	3.0	1	460	5.5	5.5	5.5	5.5	EM	G	G	102	5.7	B 1	Hard surfaces within the rooting area No obvious defects observed
T5	Ash	13.0	2.5	1	350	5.5	5.5	5.5	5.5	EM	P	P	55	4.2	U	Apical dieback Hard surfaces within the rooting area Lateral dieback Minor deadwood in the crown Tree is showing signs of decline Epicormic growth observed in the crown Epicormic growth on the main stem Wound present in crown decay present. Tree has limited contribution.

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T6	English oak	15.0	2.5	1	520	7.0	7.0	7.0	7.0	M	G	G	124	6.3	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T7	Ash	14.0	3.5	1	370	5.5	5.5	5.5	5.5	EM	F	F	64	4.5	C 1	Apical dieback Lateral dieback Minor deadwood in the crown Major deadwood in the crown Epicormic growth observed in the crown Epicormic growth on the main stem Hard surfaces within the rooting area Tree is showing signs of decline
T8	English oak	15.0	2.0	1	650	5.5	5.5	5.5	5.5	M	G	G	191	7.8	A 1	Hard surfaces within the rooting area No obvious defects observed Minor deadwood in the crown Pruning wounds observed
T9	Sweet chestnut	13.0	2.5	1	460	5.0	5.0	5.0	5.0	M	G	G	102	5.7	A 1	Hard surfaces within the rooting area No obvious defects observed Pruning wounds observed
T10	Ash	13.0	3.0	1	320	4.0	4.0	4.0	4.0	EM	P	P	48	3.9	C 1	Apical dieback Major deadwood in the crown Minor deadwood in the crown Epicormic growth observed in the crown Tree is showing signs of decline Sparse crown.
T11	English oak	12.0	2.5	1	410	5.5	5.5	5.5	5.5	EM	G	G	81	5.1	A 1	No obvious defects observed Pruning wounds observed Minor deadwood in the crown
T12	English oak	18.0	2.5	1	1100	6.5	6.5	6.5	6.5	M	G	G	547	13.2	A 1	Minor deadwood in the crown No obvious defects observed Trifurcate at 1.5 m.

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T13	English oak	16.0	2.5	2	430 460	5.5	5.5	5.5	5.5	SM	G	G	191	7.8	A 1	No obvious defects observed Hard surfaces within the rooting area
T14	English oak	17.0	2.5	2	450 580	6.5	6.5	6.5	6.5	M	G	G	255	9.0	A 1	Epicormic growth observed in the crown Minor deadwood in the crown No obvious defects observed Bifurcate at 0.5 m above ground level.
T15	Silver birch	14.0	2.0	2	340 190	4.5	4.5	4.5	5.5	EM	F	F	72	4.8	B 1	No obvious defects observed Minor deadwood in the crown Hard surfaces within the rooting area
T16	English oak	14.0	2.5	1	440	5.0	5.0	5.0	5.0	SM	G	G	92	5.4	A 1	Minor deadwood in the crown No obvious defects observed Epicormic growth on the main stem
T17	English oak	6.0	2.5	1	220	3.5	3.5	3.5	3.5	EM	F	G	23	2.7	B 1	No obvious defects observed
T18	Hawthorn	6.0	2.0	4	90 80 40 50	2.0	2.0	2.0	2.0	EM	F	F	10	1.8	C 1	Wound at base.
T19	English oak	16.0	2.5	1	420	5.5	5.5	5.5	5.5	SM	G	G	81	5.1	A 1	Epicormic growth on the main stem Minor deadwood in the crown No obvious defects observed
T20	Silver birch	14.0	2.0	4	220 230 340 260	4.5	4.5	4.5	4.5	EM	F	G	137	6.6	B 1	Minor deadwood in the crown No obvious defects observed
T21	Ash	15.0	3.0	1	380	4.0	4.0	4.0	4.0	EM	F	G	72	4.8	B 1	Minor deadwood in the crown No obvious defects observed
T22	Silver birch	15.0	2.5	7	1140	6.0	6.0	6.0	6.0	M	F	G	598	13.8	B 1	Minor deadwood in the crown No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T23	English oak	16.0	3.0	1	480	7.0	7.0	7.0	7.0	SM	G	G	113	6.0	A 1	Major deadwood in the crown Minor deadwood in the crown No obvious defects observed
T24	Hazel	8.0	2.0	15	200	4.5	4.5	4.5	4.5	SM	G	G	18	2.4	C 3	No obvious defects observed
T25	Ash	16.0	4.0	2	420 380	5.5	5.5	5.5	5.5	SM	F	F	150	6.9	B 1	Hard surfaces within the rooting area Minor deadwood in the crown Apical dieback Lateral dieback Tree is showing signs of decline
T26	Hazel	9.0	2.0	12	250	3.5	3.5	3.5	3.5	EM	G	G	28	3.0	B 1	No obvious defects observed
T27	English oak	15.0	3.0	1	430	5.5	5.5	5.5	5.5	SM	F	G	92	5.4	B 1	Minor deadwood in the crown Wound present on main stem
T28	English oak	15.0	3.0	1	300	5.0	5.0	5.0	5.0	SM	G	G	41	3.6	A 1	Minor deadwood in the crown No obvious defects observed
T29	Silver birch	5.0	2.5	1	90	2.5	2.5	2.5	2.5	EM	F	F	5	1.2	C 1	No obvious defects observed
T30	Sweet chestnut	16.0	2.5	1	510	6.5	6.5	6.5	6.5	SM	G	G	124	6.3	A 1	Hard surfaces within the rooting area No obvious defects observed
T31	English oak	19.0	2.0	1	640	6.5	6.5	6.5	6.5	M	G	G	191	7.8	A 1	Minor deadwood in the crown No obvious defects observed Epicormic growth on the main stem
T32	Sweet chestnut	18.0	2.5	3	400 460 470	6.5	6.5	6.5	6.5	M	G	G	272	9.3	A 1	Minor deadwood in the crown No obvious defects observed Branch stubs observed Pruning wounds observed Trifurcate at 1.5 m
T33	Silver birch	14.0	3.0	1	420	3.5	3.5	3.5	3.5	EM	F	F	81	5.1	B 1	Minor deadwood in the crown No obvious defects observed
T34	Sweet chestnut	15.0	2.5	3	360 360 460	7.0	7.0	7.0	7.0	M	G	G	222	8.4	A 1	Hard surfaces within the rooting area No obvious defects observed Trifurcate at 1.0 m

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T35	Ash	12.0	3.0	1	280	4.5	4.5	4.5	4.5	EM	F	F	41	3.6	C 1	Apical dieback Minor deadwood in the crown Major deadwood in the crown Lateral dieback Tree is showing signs of decline Hard surfaces within the rooting area
T36	Ash	10.0	5.0	1	140	1.5	1.5	1.5	1.5	EM	F	P	10	1.8	U	Apical dieback Lateral dieback Minor deadwood in the crown Tree is in decline.
T37	English oak	9.0	2.0	1	280	4.0	4.0	4.0	4.0	EM	G	F	41	3.6	B 1	Apical dieback Lateral dieback Minor deadwood in the crown
T38	English oak	18.0	3.0	2	410 410	5.0	5.0	5.0	5.0	SM	G	G	163	7.2	A 1	Minor deadwood in the crown No obvious defects observed Bifurcate at 0.5 m
T39	Ash	10.0	4.0	1	310	3.0	3.0	3.0	3.0	EM	F	F	48	3.9	C 1	Apical dieback Minor deadwood in the crown Lateral dieback Tree is showing signs of decline
T40	Ash	9.0	2.0	1	160	2.5	2.5	2.5	2.5	EM	P	P	14	2.1	U	Apical dieback Lateral dieback Minor deadwood in the crown Tree is in decline.
T41	Ash	15.0	3.0	1	340	5.5	5.5	5.5	5.5	EM	F	G	55	4.2	C 1	Apical dieback Lateral dieback Minor deadwood in the crown Tree is showing signs of decline
T42	Ash	9.0	5.0	1	140	1.5	1.5	1.5	1.5	EM	F	F	10	1.8	C 1	Apical dieback Epicormic growth observed in the crown Minor deadwood in the crown Tree is showing signs of decline

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T43	English oak	17.0	3.0	1	640	6.5	6.5	6.5	6.5	SM	G	G	191	7.8	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed Woodpecker holes.
T44	English oak	17.0	3.0	1	640	6.0	6.0	6.0	6.0	M	G	G	191	7.8	A 1	Minor deadwood in the crown No obvious defects observed
T45	Field maple	10.0	3.0	1	320	3.5	3.5	3.5	3.5	EM	G	G	48	3.9	B 1	Minor deadwood in the crown No obvious defects observed Birds nest in canopy.
T46	English oak	18.0	3.0	1	630	6.0	6.0	6.0	6.0	M	G	G	191	7.8	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T47	English oak	17.0	3.5	1	780	8.0	8.0	8.0	8.0	M	G	G	290	9.6	A 1	Minor deadwood in the crown No obvious defects observed Hard surfaces within the rooting area
T48	Dogwood	8.0	3.0	1	330	4.0	4.0	4.0	4.0	SM	G	G	55	4.2	B 1	Minor deadwood in the crown No obvious defects observed
T49	Ash	18.0	5.0	2	350 400	9.0	9.0	9.0	9.0	SM	P	F	137	6.6	U	Tree is leaning towards road wound at base, extensive decay.
T50	Ash	17.0	6.0	1	420	5.0	5.0	5.0	5.0	EM	P	F	81	5.1	U	Major wound at base, extensive decay.
T51	Hazel	6.0	1.0	10	130	3.0	3.0	3.0	3.0	EM	F	F	10	1.8	C 1	Minor deadwood in the crown No obvious defects observed
T52	Field maple	9.0	1.0	2	240 260	5.0	5.0	5.0	5.0	SM	F	G	64	4.5	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T53	Ash	17.0	5.0	4	420 220 240 180	7.0	7.0	7.0	7.0	SM	F	G	150	6.9	C 1	Apical dieback Lateral dieback Minor deadwood in the crown Tree is showing signs of decline Wound at base with decay present, coppice tree to continue trees contribution.
T54	Ash	15.0	2.0	1	460	4.5	4.5	4.5	4.5	EM	F	G	102	5.7	B 1	Minor deadwood in the crown Hard surfaces within the rooting area Pruning wound through pollarding responding well
T55	English oak	15.0	3.0	1	640	6.0	6.0	6.0	6.0	M	G	G	191	7.8	A 1	Minor deadwood in the crown Limited inspection due to ivy Light ivy in the crown Light ivy on stem No obvious defects observed
T56	Hornbeam	14.0	3.0	1	450	4.0	4.0	4.0	4.0	EM	F	G	92	5.4	B 1	Hard surfaces within the rooting area Light ivy in the crown Light ivy on stem Limited inspection due to ivy
T57	Hornbeam	15.0	2.0	1	380	5.5	5.5	5.5	5.5	SM	G	G	72	4.8	B 1	No obvious defects observed Hard surfaces within the rooting area Light ivy on stem
T58	Hornbeam	15.0	2.5	2	400 420	5.0	5.0	5.0	5.0	SM	G	F	163	7.2	B 1	Hard surfaces within the rooting area No obvious defects observed
T59	Sycamore	7.0	2.0	1	240	3.5	3.5	3.5	3.5	EM	F	F	28	3.0	C 1	Light ivy in the crown Light ivy on stem Limited inspection due to ivy No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T60	Hornbeam	16.0	3.0	1	560	6.0	6.0	6.0	6.0	M	G	G	150	6.9	A 1	Hard surfaces within the rooting area Dense ivy in the crown Dense ivy on the stem Limited inspection due to ivy Minor deadwood in the crown No obvious defects observed
T61	Norway maple	14.0	3.0	1	510	6.0	6.0	6.0	6.0	SM	G	F	124	6.3	C 1	Apical dieback Lateral dieback Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed Wound present on main stem, decay present. Monitor.
T62	Hornbeam	17.0	2.0	1	360	5.0	5.0	5.0	5.0	SM	G	G	64	4.5	A 1	No obvious defects observed Hard surfaces within the rooting area
T63	Norway maple	17.0	5.0	1	500	6.0	6.0	6.0	6.0	SM	G	G	113	6.0	B 1	Hard surfaces within the rooting area Lateral dieback Minor deadwood in the crown No obvious defects observed
T64	Hornbeam	16.0	2.0	1	440	5.0	5.0	5.0	5.0	SM	G	G	92	5.4	A 1	Hard surfaces within the rooting area No obvious defects observed
T65	Norway maple	17.0	0.5	1	440	7.0	7.0	7.0	7.0	M	G	G	92	5.4	A 1	Dense ivy in the crown Light ivy on stem Limited inspection due to ivy Minor deadwood in the crown No obvious defects observed
T66	Norway maple	16.0	2.0	1	440	6.5	6.5	6.5	6.5	SM	G	G	92	5.4	A 1	Dense ivy in the crown Dense ivy on the stem Ivy restricts inspection Limited inspection due to ivy No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T67	English oak	23.0	2.0	1	750	9.0	9.0	9.0	9.0	M	G	G	255	9.0	A 1	Minor deadwood in the crown No obvious defects observed
T68	Norway maple	15.0	3.0	1	460	5.0	5.0	5.0	5.0	SM	G	G	102	5.7	B 1	Dense ivy in the crown Dense ivy on the stem Limited inspection due to ivy Minor deadwood in the crown No obvious defects observed
T69	Norway maple	15.0	3.0	1	350	4.0	4.0	4.0	4.0	EM	G	F	55	4.2	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T70	Hornbeam	15.0	3.0	1	390	4.5	4.5	4.5	4.5	SM	G	F	72	4.8	B 1	Hard surfaces within the rooting area Minor deadwood in the crown Pruning wounds observed No obvious defects observed
T71	Hornbeam	16.0	5.0	1	340	5.0	5.0	5.0	5.0	SM	F	F	55	4.2	B 1	Minor deadwood in the crown No obvious defects observed Hard surfaces within the rooting area
T72	Yew	13.0	2.0	1	1080	6.0	6.0	6.0	6.0	M	G	G	547	13.2	A 1	No obvious defects observed
T73	Ash	15.0	4.0	1	440	5.0	5.0	5.0	5.0	EM	F	F	92	5.4	B 1	Apical dieback Lateral dieback Minor deadwood in the crown No obvious defects observed
T74	Ash	16.0	2.0	1	370	5.0	5.0	5.0	5.0	SM	F	G	64	4.5	B 1	No obvious defects observed Hard surfaces within the rooting area
T75	English oak	16.0	4.0	1	550	6.0	6.0	6.0	6.0	M	G	G	137	6.6	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T76	Hawthorn	5.0	1.0	2	120 150	3.0	3.0	3.0	3.0	EM	F	F	18	2.4	C 1	Minor deadwood in the crown Hard surfaces within the rooting area No obvious defects observed
T77	English oak	15.0	1.0	1	550	5.5	5.5	5.5	5.5	SM	G	G	137	6.6	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T78	English oak	17.0	1.0	1	760	6.0	6.0	6.0	6.0	M	G	G	272	9.3	A 1	Limited inspection due to dense vegetation No obvious defects observed
T79	English oak	15.0	3.0	1	620	6.0	6.0	6.0	6.0	M	G	F	177	7.5	A 1	Limited inspection due to ivy Ivy restricts inspection Minor deadwood in the crown No obvious defects observed
T80	English oak	14.0	2.0	1	340	5.0	5.0	5.0	5.0	EM	G	G	55	4.2	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T81	English oak	16.0	2.5	1	730	7.5	7.5	7.5	7.5	M	G	G	255	9.0	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T82	Silver birch	17.0	2.0	4	260 270 280 290	5.5	5.5	5.5	5.5	SM	F	G	150	6.9	B 1	Minor deadwood in the crown No obvious defects observed Multi stemmed at ground level
T83	Hazel	9.0	0.0	20	810	5.0	5.0	5.0	5.0	M	G	G	308	9.9	B 1	Minor deadwood in the crown No obvious defects observed Hard surfaces within the rooting area

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T84	English oak	12.0	2.5	1	540	4.5	4.5	4.5	4.5	SM	G	F	137	6.6	A 1	Minor deadwood in the crown No obvious defects observed Hard surfaces within the rooting area Storm damage observed Tear wounds present
T85	Cherry	7.0	2.0	1	270	4.0	4.0	4.0	4.0	SM	G	G	34	3.3	B 1,3	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T86	Ash	9.0	0.0	5	150 160 210 160 190	4.5	4.5	4.5	4.5	EM	F	F	72	4.8	C 1	Apical dieback Lateral dieback Minor deadwood in the crown Tree is showing signs of decline
T87	English oak	15.0	3.0	1	590	5.0	5.0	5.0	5.0	SM	F	F	163	7.2	B 1	Apical dieback Lateral dieback Minor deadwood in the crown Tree is showing signs of decline
T88	Turkey oak	14.0		1	580	7.5	7.5	7.5	7.5	SM	G	G	163	7.2	A 1	Minor deadwood in the crown No obvious defects observed Hard surfaces within the rooting area Signs of bacterial bleeding.
T89	English oak	15.0	2.0	1	590	7.0	7.0	7.0	7.0	M	G	G	163	7.2	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T90	English oak	18.0	2.0	2	560 800	9.0	9.0	9.0	9.0	M	G	G	452	12.0	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T91	English oak	16.0	4.0	1	610	5.5	5.5	5.5	5.5	M	G	G	177	7.5	A 1	Apical dieback Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed Pruning wounds observed
T92	Cherry	10.0	2.0	1	450	4.5	4.5	4.5	4.5	SM	F	F	92	5.4	C 1	Hard surfaces within the rooting area Minor deadwood in the crown Wound at base, decay present.
T93	Silver birch	11.0	2.0	1	150	2.5	2.5	2.5	2.5	EM	F	G	10	1.8	C 1	No obvious defects observed
T94	Red oak	10.0	1.5	1	220	5.0	5.0	5.0	5.0	EM	G	G	23	2.7	A 1	No obvious defects observed
T95	English oak	17.0	3.0	1	670	6.5	6.5	6.5	6.5	M	G	G	206	8.1	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T96	English oak	16.0	2.0	2	420 470	7.0	7.0	7.0	7.0	SM	F	G	191	7.8	A 1	Minor deadwood in the crown No obvious defects observed Bifurcate at ground level.
T97	Holly	10.0	0.0	1	380	3.0	3.0	3.0	3.0	EM	G	G	72	4.8	B 1	No obvious defects observed
T98	English oak	15.0	3.0	2	310 310	6.0	6.0	6.0	6.0	SM	G	G	92	5.4	A 1	Minor deadwood in the crown No obvious defects observed Bifurcate at ground level.
T99	English oak	14.0	2.0	2	310 410	8.0	8.0	8.0	8.0	SM	F	G	124	6.3	B 1	Minor deadwood in the crown No obvious defects observed
T100	English oak	15.0	2.0	1	360	6.0	6.0	6.0	6.0	EM	G	G	64	4.5	B 1	Minor deadwood in the crown No obvious defects observed Branch stubs observed
T101	English oak	15.0	2.0	1	470	6.0	6.0	6.0	6.0	EM	F	G	102	5.7	B 1	Minor deadwood in the crown No obvious defects observed Woodpecker holes present.
T102	English oak	19.0	3.0	1	970	###	###	###	###	M	G	G	430	11.7	A 1	Minor deadwood in the crown No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T103	Silver birch	9.0	2.0	1	230	4.0	4.0	4.0	4.0	EM	F	G	28	3.0	B 1	Minor deadwood in the crown No obvious defects observed
T104	Silver birch	4.0	3.0	1	370	3.0	3.0	3.0	3.0	EM	F	G	64	4.5	B 1	Minor deadwood in the crown No obvious defects observed
T105	Silver birch	10.0	2.0	1	250	5.5	5.5	5.5	5.5	EM	G	F	28	3.0	B 1	Minor deadwood in the crown No obvious defects observed
T106	Silver birch	10.0	3.0	1	230	3.0	3.0	3.0	3.0	EM	P	F	28	3.0	U	Wound at base, extensive decay present.
T107	English oak	19.0	2.0	1	700	8.5	8.5	8.5	8.5	M	G	G	222	8.4	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T108	English oak	15.0	2.0	1	460	6.0	6.0	6.0	6.0	SM	G	G	102	5.7	A 1	Minor deadwood in the crown No obvious defects observed Branch stubs observed
T109	Silver birch	10.0	5.0	1	230	2.0	2.0	2.0	2.0	EM	F	F	28	3.0	C 1	Minor deadwood in the crown Tree is showing signs of decline
T110	Silver birch	11.0	3.0	1	310	3.5	3.5	3.5	3.5	EM	F	G	48	3.9	B 1	Minor deadwood in the crown No obvious defects observed
T111	Silver birch	11.0	3.0	1	240	3.5	3.5	3.5	3.5	EM	F	G	28	3.0	B 1	Minor deadwood in the crown No obvious defects observed
T112	English oak	21.0	2.5	1	1050	###	###	###	###	M	G	G	499	12.6	A 1	Minor deadwood in the crown No obvious defects observed
T113	English oak	15.0	3.0	1	870	8.5	8.5	8.5	8.5	M	F	F	346	10.5	C 1,3	Apical dieback Minor deadwood in the crown Tree is showing signs of decline Lateral dieback Major deadwood in the crown Monolith

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T114	Norway maple	16.0	2.5	1	710	9.0	9.0	9.0	9.0	M	G	G	238	8.7	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T115	Sweet chestnut	16.0	2.0	1	490	6.0	6.0	6.0	6.0	SM	G	G	113	6.0	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T116	English oak	18.0	3.0	1	970	###	###	###	###	M	G	G	430	11.7	A 1	Hard surfaces within the rooting area No obvious defects observed Minor deadwood in the crown Major deadwood in the crown
T117	Sweet chestnut	14.0	3.0	1	280	3.5	3.5	3.5	3.5	EM	G	G	41	3.6	B 1	Minor deadwood in the crown No obvious defects observed
T118	Sweet chestnut	17.0	3.0	1	330	5.5	5.5	5.5	5.5	SM	G	G	55	4.2	A 1	Major deadwood in the crown Minor deadwood in the crown No obvious defects observed Branch stubs observed
T119	Ash	18.0	3.0	3	360 480 340	8.5	8.5	8.5	8.5	SM	F	F	222	8.4	B 1	Major deadwood in the crown Minor deadwood in the crown Branch stubs observed Lateral dieback Apical dieback Trifurcate at ground level.
T120	Sweet chestnut	13.0	3.0	1	360	5.5	5.5	5.5	5.5	SM	G	G	64	4.5	A 1	Minor deadwood in the crown No obvious defects observed
T121	Sweet chestnut	17.0	3.0	1	430	7.0	7.0	7.0	7.0	SM	G	G	92	5.4	A 1	Minor deadwood in the crown No obvious defects observed
T122	Robinia False acacias	14.0	4.0	1	280	3.0	3.0	3.0	3.0	SM	F	G	41	3.6	B 1	Minor deadwood in the crown No obvious defects observed Minor damage to base.

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T123	Silver birch	17.0	2.0	1	420	3.5	3.5	3.5	3.5	SM	G	G	81	5.1	B 1	Limited inspection due to dense vegetation Minor deadwood in the crown No obvious defects observed Epicormic growth on the main stem
T124	Robinia False acacias	16.0	5.0	1	280	3.5	3.5	3.5	3.5	EM	F	F	41	3.6	C 1	Apical dieback Minor deadwood in the crown Wound present on main stem, decay present. Tree leaning.
T125	Robinia False acacias	15.0	5.0	1	270	4.0	4.0	4.0	4.0	SM	F	F	34	3.3	C 1	Minor deadwood in the crown Sparse canopy Wound present on main stem.
T126	Robinia False acacias	16.0	3.0	1	460	5.0	5.0	5.0	5.0	SM	F	G	102	5.7	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T127	Robinia False acacias	15.0	3.0	1	340	3.5	3.5	3.5	3.5	EM	F	F	55	4.2	C 1	Apical dieback Minor deadwood in the crown Lateral dieback Major deadwood in the crown Tree is showing signs of decline
T128	Robinia False acacias	15.0	2.5	1	320	3.5	3.5	3.5	3.5	EM	F	F	48	3.9	C 1	Minor deadwood in the crown Tree is showing signs of decline Sparse crown. Generally a poor specimen.
T129	Robinia False acacias	16.0	3.0	1	550	5.5	5.5	5.5	5.5	SM	F	G	137	6.6	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T130	Robinia False acacias	14.0	2.0	1	250	3.0	3.0	3.0	3.0	EM	F	F	28	3.0	C 1	Apical dieback Lateral dieback Major deadwood in the crown Minor deadwood in the crown Generally a poor specimen

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T131	English oak	17.0	3.0	1	770	9.0	9.0	9.0	9.0	M	G	G	272	9.3	A 1	Limited inspection due to dense vegetation Minor deadwood in the crown No obvious defects observed Hard surfaces within the rooting area Fungi see photos. Wood pecker hole present.
T132	English oak	16.0	3.0	1	570	6.5	6.5	6.5	6.5	SM	G	G	150	6.9	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed Epicormic growth on the main stem
T133	Whitebeam	10.0	2.5	1	520	7.0	7.0	7.0	7.0	SM	F	G	124	6.3	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed Included unions observed
T134	Beech	18.0	3.0	1	740	9.0	9.0	9.0	9.0	M	G	G	255	9.0	A 1	Minor deadwood in the crown No obvious defects observed Hard surfaces within the rooting area
T135	Cherry	12.0	1.5	1	360	5.5	5.5	5.5	5.5	EM	G	G	64	4.5	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T136	Cherry	14.0	3.0	1	310	5.5	5.5	5.5	5.5	EM	G	F	48	3.9	B 1	Lateral dieback Minor deadwood in the crown No obvious defects observed
T137	Silver birch	11.0	4.0	1	190	2.5	2.5	2.5	2.5	EM M	F	F	18	2.4	C 1	Limited inspection due to dense vegetation Minor deadwood in the crown No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T138	Silver birch	1.0	2.0	1	150	2.5	2.5	2.5	2.5	EM	F	F	10	1.8	C 1	Limited inspection due to dense vegetation Minor deadwood in the crown Tree is showing signs of decline
T139	Ash	12.0	3.0	1	340	5.0	5.0	5.0	5.0	EM	F	F	55	4.2	C 1	Hard surfaces within the rooting area Minor deadwood in the crown Tree is showing signs of decline
T140	Ash	10.0	3.0	1	310	3.0	3.0	3.0	3.0	EM	F	P	48	3.9	U	Apical dieback Lateral dieback Minor deadwood in the crown Major deadwood in the crown Tree is in decline.
T141	Ash	10.0	3.0	2	280 280	3.5	3.5	3.5	3.5	EM	P	P	72	4.8	U	Apical dieback Lateral dieback Major deadwood in the crown Minor deadwood in the crown Main Union is included! Tree is in decline.
T142	English oak	18.0	2.5	1	830	6.5	6.5	6.5	6.5	SM	G	G	327	10.2	A 1	Hard surfaces within the rooting area No obvious defects observed Minor deadwood in the crown
T143	English oak	18.0	2.5	1	870	7.5	7.5	7.5	7.5	M	G	G	346	10.5	A 1	Apical dieback Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T144	English oak	11.0	2.0	1	490	7.0	7.0	7.0	7.0	SM	F	G	113	6.0	B 1	Minor deadwood in the crown Hard surfaces within the rooting area Chain link fence fusing to tree.
T145	Hazel	9.0	2.0	8	230	3.0	3.0	3.0	3.0	SM	F	F	28	3.0	C 1	Minor deadwood in the crown Ivy restricts inspection Limited inspection due to ivy

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T146	Goat willow	13.0	1.0	1	480	5.5	5.5	5.5	5.5	SM	F	G	113	6.0	B 1	Included unions observed Minor deadwood in the crown No obvious defects observed
T147	Goat willow	9.0	1.5	3	160 200 280	3.5	3.5	3.5	3.5	SM	F	F	72	4.8	C 1	Surpressed form. Generally a poor specimen.
T148	Silver birch	13.0	1.0	1	420	5.5	5.5	5.5	5.5	EM	G	G	81	5.1	B 1	Minor deadwood in the crown No obvious defects observed
T149	Silver birch	12.0	5.0	1	310	2.5	2.5	2.5	2.5	EM	F	F	48	3.9	C 1	Minor deadwood in the crown Tree is showing signs of decline
T150	Silver birch	14.0	1.0	1	360	3.5	3.5	3.5	3.5	EM	G	F	64	4.5	B 1	Minor deadwood in the crown No obvious defects observed
T151	Silver birch	14.0	1.0	1	450	4.0	4.0	4.0	4.0	EM	F	G	92	5.4	B 1	Minor deadwood in the crown No obvious defects observed
T152	English oak	14.0	2.0	1	600	7.5	7.5	7.5	7.5	M	G	G	163	7.2	A 1	Minor deadwood in the crown No obvious defects observed Epicormic growth observed in the crown
T153	Goat willow	14.0	2.0	1	710	6.5	6.5	6.5	6.5	SM	F	G	238	8.7	B 1	Apical dieback Minor deadwood in the crown No obvious defects observed Hard surfaces within the rooting area
T154	English oak	11.0	2.0	1	550	7.0	7.0	7.0	7.0	SM	G	G	137	6.6	A 1	Minor deadwood in the crown No obvious defects observed
T155	Silver birch	13.0	2.0	1	380	5.0	5.0	5.0	5.0	SM	F	G	72	4.8	B 1	Minor deadwood in the crown No obvious defects observed
T156	Silver birch	13.0	3.0	2	320 340	5.5	5.5	5.5	5.5	SM	F	G	102	5.7	B 1	Minor deadwood in the crown No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T157	English oak	16.0	2.5	1	870	8.0	8.0	8.0	8.0	M	G	G	346	10.5	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T158	Sycamore	15.0	2.5	2	630 680	8.5	8.5	8.5	8.5	M	G	G	408	11.4	A 1	No obvious defects observed Ivy restricts inspection Dense ivy in the crown Dense ivy on the stem Located on underground structure.
T159	English oak	12.0	0.0	1	520	5.0	8.0	2.0	2.0	SM	F	F	124	6.3	B 1	Minor deadwood in the crown Suppressed form.
T160	Hazel	6.0	0.0	6	130	3.0	3.0	3.0	3.0	EM	F	F	10	1.8	C 1,3	Minor deadwood in the crown Light ivy in the crown Light ivy on stem
T161	English oak	13.0	3.0	1	480	4.0	4.0	4.0	4.0	EM	G	G	113	6.0	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T162	Lawson cypress	12.0	0.0	2	320 320	2.5	2.5	2.5	2.5	EM	F	G	102	5.7	B 1	Minor deadwood in the crown No obvious defects observed Bifurcate at ground level
T163	Yew	7.0	0.0	2	120 80	3.0	3.0	3.0	3.0	EM	F	F	10	1.8	C 1	Ivy restricts inspection Dense ivy on the stem Minor deadwood in the crown Suppressed form.
T164	Sweet chestnut	21.0	2.0	1	890	8.0	8.0	8.0	8.0	M	G	G	366	10.8	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T165	Silver birch	8.0	2.5	1	220	2.5	2.5	2.5	2.5	EM	F	P	23	2.7	U	Tree is in decline.
T166	Silver birch	11.0	1.0	1	270	2.5	2.5	2.5	2.5	EM	G	G	34	3.3	B 1	Minor deadwood in the crown No obvious defects observed
T167	Silver birch	10.0	1.0	1	280	2.5	2.5	2.5	2.5	EM	F	G	41	3.6	B 1	Minor deadwood in the crown No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T168	Silver birch	9.0	2.0	1	190	2.0	2.0	2.0	2.0	EM	F	F	18	2.4	C 1	Apical dieback Lateral dieback Minor deadwood in the crown Tree is showing signs of decline
T169	Ash	10.0	1.0	1	280	4.5	4.5	4.5	4.5	EM	G	G	41	3.6	B 1	Minor deadwood in the crown No obvious defects observed
T170	Cherry	13.0	2.0	1	470	5.5	5.5	5.5	5.5	SM	G	G	102	5.7	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T171	Sweet chestnut	22.0	3.0	2	730 560	7.0	7.0	7.0	7.0	M	G	G	408	11.4	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T172	English oak	19.0	2.5	1	650	7.0	7.0	7.0	7.0	SM	F	G	191	7.8	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T173	Sweet chestnut	20.0	1.5	2	360 470	5.5	5.5	5.5	5.5	SM	G	G	163	7.2	A 1	Building within the rooting area Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T174	English oak	16.0	2.5	1	500	5.5	5.5	5.5	5.5	SM	G	G	113	6.0	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T175	Cherry	9.0	2.0	1	430	5.0	5.0	5.0	5.0	SM	G	F	92	5.4	B 1	Minor deadwood in the crown No obvious defects observed
T176	Silver birch	10.0	1.0	1	280	2.5	2.5	2.5	2.5	EM	G	G	41	3.6	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T177	Silver birch	11.0	2.0	1	250	3.0	3.0	3.0	3.0	EM	G	G	28	3.0	B 1	Minor deadwood in the crown No obvious defects observed Hard surfaces within the rooting area
T178	Cherry	11.0	1.5	1	540	7.0	7.0	7.0	7.0	SM	G	F	137	6.6	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T179	Silver birch	12.0	1.0	1	210	2.5	2.5	2.5	2.5	EM	G	G	23	2.7	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T180	Silver birch	10.0	2.0	1	180	2.5	2.5	2.5	2.5	EM	G	G	18	2.4	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T181	Silver birch	11.0	1.5	1	240	2.5	2.5	2.5	2.5	EM	G	G	28	3.0	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T182	Silver birch	12.0	1.5	1	360	3.0	3.0	3.0	3.0	SM	G	G	64	4.5	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T183	Silver birch	11.0	1.0	1	330	3.5	3.5	3.5	3.5	SM	G	F	55	4.2	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T184	English oak	13.0	2.5	1	610	6.5	6.5	6.5	6.5	SM	G	G	177	7.5	A 1	Minor deadwood in the crown No obvious defects observed Pruning wounds observed
T185	Silver birch	13.0	2.0	2	300 180	3.0	3.0	3.0	3.0	SM	F	F	55	4.2	B 1	Minor deadwood in the crown No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T186	Silver birch	11.0	2.0	1	320	3.0	3.0	3.0	3.0	SM	F	F	48	3.9	C 1	Apical dieback Tree is showing signs of decline Wound on main stem, sparse crown.
T187	Silver birch	10.0	2.0	1	450	3.5	3.5	3.5	3.5	SM	F	F	92	5.4	C 1	Apical dieback Minor deadwood in the crown Tree is showing signs of decline Ground appears to be soft.
T188	English oak	13.0	2.0	2	380 420	7.0	7.0	7.0	7.0	SM	G	G	150	6.9	A 1	Building within the rooting area Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T189	Silver birch	11.0	1.5	1	240	2.5	2.5	2.5	2.5	EM	F	F	28	3.0	B 1	Minor deadwood in the crown No obvious defects observed
T190	Silver birch	13.0	2.0	1	360	3.5	3.5	3.5	3.5	SM	F	G	64	4.5	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T191	Silver birch	12.0	2.0	1	400	5.5	5.5	5.5	5.5	SM	G	G	72	4.8	B 1	Minor deadwood in the crown No obvious defects observed
T192	English oak	15.0	3.0	1	530	6.0	6.0	6.0	6.0	SM	G	G	137	6.6	A 1	Minor deadwood in the crown No obvious defects observed
T193	Silver birch	10.0	2.0	1	220	2.0	2.0	2.0	2.0	EM	F	P	23	2.7	C 1	Minor deadwood in the crown Tree is showing signs of decline
T194	Ash	12.0	2.0	1	340	4.5	4.5	4.5	4.5	SM	G	G	55	4.2	B 1	Light ivy on stem Minor deadwood in the crown No obvious defects observed
T195	Holm oak	12.0	0.0	1	430	5.0	5.0	5.0	5.0	SM	G	G	92	5.4	A 1	Hard surfaces within the rooting area No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T196	Silver birch	13.0	2.0	1	300	3.5	3.5	3.5	3.5	EM	G	G	41	3.6	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T197	Silver birch	10.0	2.0	1	260	3.0	3.0	3.0	3.0	EM	G	F	34	3.3	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T198	Beech	24.0	3.0	3	590 690 700	6.5	6.5	6.5	6.5	M	G	G	598	13.8	B 1	Minor deadwood in the crown Tree is showing signs of decline Hard surfaces within the rooting area Lighting prevention on tree. Bleeding canker.
T199	English oak	11.0	2.0	1	360	5.0	5.0	5.0	5.0	EM	G	G	64	4.5	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T200	English oak	16.0	2.5	1	780	8.5	8.5	8.5	8.5	M	G	G	290	9.6	A 1	Minor deadwood in the crown No obvious defects observed Epicormic growth observed in the crown Hard surfaces within the rooting area
T201	Silver birch	14.0	2.0	1	350	4.0	5.0	3.0	2.0	EM	G	G	55	4.2	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed Surpressed form.
T202	English oak	11.0	2.0	1	330	5.5	5.5	5.5	5.5	EM	G	G	55	4.2	A 1	Minor deadwood in the crown No obvious defects observed
T203	Silver birch	11.0	2.5	1	200	3.0	3.0	3.0	3.0	EM	F	F	18	2.4	C 1	Minor deadwood in the crown No obvious defects observed Tree is showing signs of decline

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T204	Silver birch	12.0	1.0	1	220	3.5	3.5	3.5	3.5	SM	G	G	23	2.7	B 1	Minor deadwood in the crown No obvious defects observed Hard surfaces within the rooting area
T205	Silver birch	12.0	1.0	1	350	3.5	3.5	3.5	3.5	SM	G	G	55	4.2	B	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T206	Silver birch	11.0	1.0	1	220	3.5	3.5	3.5	3.5	SM	G	G	23	2.7	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T207	Ash	13.0	3.0	1	410	6.0	6.0	6.0	6.0	SM	F	F	81	5.1	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T208	Silver birch	10.0	3.0	1	160	1.5	1.5	1.5	1.5	EM	F	P	14	2.1	C 1	Apical dieback Hard surfaces within the rooting area Lateral dieback Minor deadwood in the crown Tree is showing signs of decline
T209	Goat willow	13.0	3.0	1	750	5.5	5.5	5.5	5.5	SM	G	G	255	9.0	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed Pruning wound through pollarding responding well
T210	Ash	9.0	5.0	1	240	2.0	2.0	2.0	2.0	EM	P	P	28	3.0	U	Apical dieback Lateral dieback Minor deadwood in the crown Tree is in decline.
T211	Silver birch	10.0	2.0	4	250 240 210 320	4.0	4.0	4.0	4.0	EM	F	F	124	6.3	C 1	Hard surfaces within the rooting area Included unions observed Minor deadwood in the crown

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T212	Ash	12.0	2.5	1	240	4.0	4.0	4.0	4.0	SM	F	F	28	3.0	B 1	Apical dieback Minor deadwood in the crown No obvious defects observed Hard surfaces within the rooting area
T213	English oak	10.0	2.5	1	420	5.5	5.5	5.5	5.5	SM	G	G	81	5.1	A 1	Minor deadwood in the crown No obvious defects observed
T214	Dawn redwood	10.0	1.0	1	230	2.0	2.0	2.0	2.0	EM	G	G	28	3.0	B 1	No obvious defects observed
T215	English oak	18.0	2.0	1	810	6.5	6.5	6.5	6.5	M	G	G	308	9.9	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T216	Silver birch	13.0	3.0	1	450	5.0	5.0	5.0	5.0	SM	F	F	92	5.4	B 1	Building within the rooting area Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T217	English oak	15.0	3.0	2	460 460	6.5	6.5	6.5	6.5	M	F	G	206	8.1	A 1	Minor deadwood in the crown No obvious defects observed
T218	English oak	13.0	3.0	1	550	5.5	5.5	5.5	5.5	SM	G	G	137	6.6	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T219	English oak	16.0	3.0	1	730	7.5	7.5	7.5	7.5	M	G	G	255	9.0	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T220	English oak	7.0	3.0	2	220 250	4.0	4.0	4.0	4.0	SM	F	F	55	4.2	C 1	Hard surfaces within the rooting area Suppressed form, generally a poor specimen.

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T221	Goat willow	10.0	2.0	5	240 300 380 420 290	6.5	6.5	6.5	6.5	SM	F	G	255	9.0	B 1	Hard surfaces within the rooting area Included unions observed Minor deadwood in the crown No obvious defects observed Pruning wound through pollarding responding well
T222	Ash	10.0	2.5	1	270	4.0	4.0	4.0	4.0	EM	G	G	34	3.3	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T223	English oak	18.0	2.5	1	1110	9.0	9.0	9.0	9.0	M	G	G	573	13.5	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T224	European larch	12.0	1.0	1	330	3.0	3.0	3.0	3.0	SM	G	F	55	4.2	B 1	Minor deadwood in the crown No obvious defects observed
T225	European larch	10.0	3.0	1	410	3.0	3.0	3.0	3.0	SM	G	F	81	5.1	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed Pruning wounds observed
T226	Silver birch	11.0	3.0	1	270	3.5	3.5	3.5	3.5	EM	G	G	34	3.3	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T227	Silver birch	10.0	2.0	1	170	2.5	2.5	2.5	2.5	EM	G	G	14	2.1	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T228	Ash	11.0	2.0	1	390	4.5	4.5	4.5	4.5	EM	G	F	72	4.8	B 1	Minor deadwood in the crown No obvious defects observed
T229	European larch	11.0	2.0	1	310	3.0	3.0	3.0	3.0	SM	G	G	48	3.9	B 1	Minor deadwood in the crown No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T230	Beech	15.0	2.0	1	460	7.0	7.0	7.0	7.0	SM	G	G	102	5.7	A 1	Minor deadwood in the crown No obvious defects observed
T231	Ash	10.0	3.0	1	310	3.5	3.5	3.5	3.5	SM	F	F	48	3.9	C 1	Apical dieback Lateral dieback Minor deadwood in the crown Tree is showing signs of decline
T232	Ash	12.0	4.0	1	330	3.5	3.5	3.5	3.5	EM	F	F	55	4.2	C 1	Apical dieback Lateral dieback Minor deadwood in the crown Tree is showing signs of decline
T233	Ash	11.0	3.0	1	240	3.0	3.0	3.0	3.0	EM	F	F	28	3.0	C 1	Apical dieback Lateral dieback Minor deadwood in the crown Tree is showing signs of decline
T234	European larch	15.0	2.0	1	660	4.5	4.5	4.5	4.5	M	G	G	206	8.1	A 1	Minor deadwood in the crown No obvious defects observed
T235	Ash	12.0	3.0	1	370	4.0	4.0	4.0	4.0	SM	G	F	64	4.5	B 1	Apical dieback Minor deadwood in the crown No obvious defects observed
T236	Ash	12.0	2.0	1	260	3.0	3.0	3.0	3.0	EM	G	F	34	3.3	B 1	Apical dieback Minor deadwood in the crown No obvious defects observed
T237	Silver birch	12.0	3.0	1	410	3.5	3.5	3.5	3.5	SM	G	F	81	5.1	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T238	Ash	10.0	3.0	1	32830	4.0	4.0	4.0	4.0	EM	F	P	707	15.0	C 1	Apical dieback Lateral dieback Minor deadwood in the crown Tree is showing signs of decline
T239	English oak	12.0	2.5	1	470	5.0	5.0	5.0	5.0	SM	G	G	102	5.7	A 1	Hard surfaces within the rooting area No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T240	English oak	12.0	2.5	1	360	4.0	4.0	4.0	4.0	SM	G	G	64	4.5	A	Minor deadwood in the crown No obvious defects observed
T241	Silver birch	11.0	3.0	1	370	3.5	3.5	3.5	3.5	SM	G	F	64	4.5	B 1	Apical dieback Minor deadwood in the crown No obvious defects observed
T242	Silver birch	11.0	2.0	1	330	5.0	5.0	5.0	5.0	SM	F	F	55	4.2	C 1	Apical dieback Hard surfaces within the rooting area Minor deadwood in the crown Tree is showing signs of decline
T243	English oak	12.0	2.0	1	560	5.0	5.0	5.0	5.0	SM	G	G	150	6.9	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T244	Ash	12.0	3.0	1	350	5.0	5.0	5.0	5.0	EM	F	F	55	4.2	C 1	Apical dieback Lateral dieback Minor deadwood in the crown Tree is showing signs of decline
T245	Ash	12.0	3.0	1	350	5.0	5.0	5.0	5.0	EM	F	F	55	4.2	C 1	Apical dieback Lateral dieback Minor deadwood in the crown Tree is showing signs of decline
T246	Ash	13.0	3.0	1	430	5.0	5.0	5.0	5.0	EM	F	F	92	5.4	C 1	Apical dieback Lateral dieback Minor deadwood in the crown Tree is showing signs of decline
T247	Ash	12.0	3.0	2	210 210	3.5	3.5	3.5	3.5	EM	F	F	41	3.6	C 1	Apical dieback Lateral dieback Minor deadwood in the crown Tree is showing signs of decline
T248	Field maple	11.0	2.0	1	370	3.5	3.5	3.5	3.5	SM	G	G	64	4.5	B 1	No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T249	Silver birch	13.0	3.0	1	320	3.5	3.5	3.5	3.5	EM	G	G	48	3.9	B 1	Apical dieback Minor deadwood in the crown No obvious defects observed
T250	Silver birch	12.0	3.0	1	410	3.5	3.5	3.5	3.5	EM	F	F	81	5.1	C 1	Apical dieback Minor deadwood in the crown Wound present at base.
T251	Ash	12.0	2.0	1	300	3.0	3.0	3.0	3.0	SM	F	F	41	3.6	C 1	Apical dieback Lateral dieback Minor deadwood in the crown Hard surfaces within the rooting area Tree is showing signs of decline
T252	English oak	15.0	2.0	1	790	6.5	6.5	6.5	6.5	M	G	G	290	9.6	A 1	Minor deadwood in the crown No obvious defects observed
T253	Ash	12.0	3.0	1	360	3.5	3.5	3.5	3.5	SM	G	F	64	4.5	B 1	Apical dieback Minor deadwood in the crown No obvious defects observed
T254	English oak	13.0	2.5	1	730	5.5	5.5	5.5	5.5	SM	G	G	255	9.0	A 1	No obvious defects observed
T255	Silver birch	10.0	4.0	1	330	2.5	2.5	2.5	2.5	SM	P	F	55	4.2	U	Root plate lifting
T256	Silver birch	12.0	3.0	1	330	2.5	2.5	2.5	2.5	EM	P	F	55	4.2	U	Root plate lifting.
T257	Sweet chestnut	15.0	2.5	1	520	5.5	5.5	5.5	5.5	SM	G	G	124	6.3	A 1	Minor deadwood in the crown No obvious defects observed
T258	European larch	14.0	2.0	1	460	3.5	3.5	3.5	3.5	SM	G	G	102	5.7	B 1	Minor deadwood in the crown No obvious defects observed
T259	English oak	15.0	2.0	1	730	7.0	7.0	7.0	7.0	M	G	G	255	9.0	A 1	Minor deadwood in the crown No obvious defects observed
T260	Sweet chestnut	15.0	3.0	2	630 600	6.0	6.0	6.0	6.0	M	G	G	346	10.5	A 1	No obvious defects observed Old coppice
T261	European larch	13.0	2.0	1	450	3.0	3.0	3.0	3.0	EM	G	G	92	5.4	B 1	Minor deadwood in the crown No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T262	English oak	7.0	2.0	1	240	2.0	2.0	2.0	2.0	EM	G	G	28	3.0	B 1	Minor deadwood in the crown No obvious defects observed
T263	Silver birch	5.0	1.0	1	100	2.0	2.0	2.0	2.0	EM	F	F	5	1.2	C 1	Generally a poor specimen.
T264	Silver birch	9.0	4.0	1	140	1.5	1.5	1.5	1.5	EM	P	P	10	1.8	U	Free is in decline
T265	English oak	14.0	2.0	1	570	5.5	5.5	5.5	5.5	SM	G	G	150	6.9	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T266	Beech	12.0	2.0	1	340	3.0	3.0	3.0	3.0	EM	G	G	55	4.2	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T267		14.0	2.0	1	410	5.0	5.0	5.0	5.0	EM	G	G	81	5.1	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T268	Silver birch	10.0	2.0	1	380	3.5	3.5	3.5	3.5	EM	F	F	72	4.8	C 1	Hard surfaces within the rooting area Minor deadwood in the crown Tree is showing signs of decline
T269	Silver birch	7.0	2.0	1	140	3.0	3.0	3.0	3.0	EM	F	F	10	1.8	C 1	Tree is showing signs of decline
T270	English oak	11.0	3.0	1	740	5.5	5.5	5.5	5.5	M	G	G	255	9.0	A	Tree has been crown reduced.
T271	Silver birch	13.0	2.0	1	470	5.0	5.0	5.0	5.0	SM	G	G	102	5.7	B 1	Minor deadwood in the crown No obvious defects observed
T272	Silver birch	9.0	2.0	1	260	2.5	2.5	2.5	2.5	EM	F	F	34	3.3	C 1	Lateral dieback Minor deadwood in the crown
T273	Ash	12.0	3.0	1	350	5.0	5.0	5.0	5.0	EM	G	F	55	4.2	B 1	Lateral dieback Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T274	English oak	13.0	3.0	1	550	4.5	4.5	4.5	4.5	SM	F	G	137	6.6	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T275	Yew	12.0	0.0	1	910	7.0	7.0	7.0	7.0	M	G	G	387	11.1	A 1	No obvious defects observed
T276	Yew	15.0	0.0	1	1040	8.0	8.0	8.0	8.0	M	G	G	499	12.6	A 1	No obvious defects observed
T277	English oak	15.0	2.0	1	810	9.0	9.0	9.0	9.0	M	F	F	308	9.9	B 1	Minor deadwood in the crown No obvious defects observed Tree has poor taper, appears to have soil level raised.
T278		14.0	2.0	4	400 380 240 270	7.0	7.0	7.0	7.0	M	G	G	206	8.1	A 1	Minor deadwood in the crown No obvious defects observed
T279	English oak	15.0	2.0	1	760	6.0	6.0	6.0	6.0	M	G	G	272	9.3	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T280	English oak	15.0	3.0	1	470	3.5	3.5	3.5	3.5	SM	G	G	102	5.7	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T281	English oak	18.0	3.0	1	660	6.5	6.5	6.5	6.5	M	G	G	206	8.1	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T282	English oak	16.0	3.0	1	620	7.5	7.5	7.5	7.5	M	G	G	177	7.5	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T283	Ash	11.0	3.0	1	310	4.5	4.5	4.5	4.5	EM	P	P	48	3.9	U 1	Tree is in decline.
T284	Ash	10.0	3.0	1	380	5.0	5.0	5.0	5.0	EM	P	P	72	4.8	U	Tree is in decline.

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T285	English oak	16.0	2.0	1	520	6.0	6.0	6.0	6.0	M	G	G	124	6.3	A 1	Minor deadwood in the crown No obvious defects observed
T286	English oak	16.0	2.0	1	540	7.5	7.5	7.5	7.5	M	G	G	137	6.6	A 1	Minor deadwood in the crown No obvious defects observed
T287	English oak	15.0	2.0	3	340 390 560	8.0	8.0	8.0	8.0	M	G	G	272	9.3	A 1	Minor deadwood in the crown No obvious defects observed Hard surfaces within the rooting area
T288	English oak	15.0	4.0	2	450 420	5.0	5.0	5.0	5.0	M	G	G	177	7.5	A 1	Minor deadwood in the crown No obvious defects observed
T289	Silver birch	14.0	5.0	2	260 340	3.0	3.0	3.0	3.0	SM	F	F	92	5.4	C 1	Wound at base.
T290	Ash	15.0	4.0	2	470 400	6.0	6.0	6.0	6.0	M	F	F,P	177	7.5	C 1	Apical dieback Lateral dieback Major deadwood in the crown Minor deadwood in the crown Limited inspection due to dense vegetation Tree is showing signs of decline
T291	English oak	15.0	2.5	1	580	6.0	6.0	6.0	6.0	M	G	G	163	7.2	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T292	English oak	14.0	2.0	1	490	6.0	6.0	6.0	6.0	SM	G	G	113	6.0	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T293	English oak	18.0	3.0	2	390 550	7.0	7.0	7.0	7.0	M	G	G	222	8.4	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T294	English oak	17.0	3.0	1	530	7.0	7.0	7.0	7.0	M	G	G	137	6.6	A 1	Minor deadwood in the crown Hard surfaces within the rooting area No obvious defects observed
T295	Silver birch	13.0	3.0	3	280 280 280	3.5	3.5	3.5	3.5	EM	F	F	113	6.0	C 1	Minor deadwood in the crown Main Union is included
T296	English oak	17.0	3.0	1	660	4.5	4.5	4.5	4.5	M	G	F	206	8.1	B 1	Minor deadwood in the crown Tree is showing signs of decline Apical dieback
T297	English oak	18.0	2.5	1	970	8.0	8.0	8.0	8.0	M	G	G	430	11.7	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T298	English oak	12.0	2.0	1	410	5.5	5.5	5.5	5.5	SM	G	F	81	5.1	A 1	Apical dieback Lateral dieback Minor deadwood in the crown Hard surfaces within the rooting area No obvious defects observed
T299	English oak	12.0	2.5	1	340	5.5	5.5	5.5	5.5	SM	F	F	55	4.2	B 1	Apical dieback Minor deadwood in the crown No obvious defects observed Hard surfaces within the rooting area
T300	English oak	19.0	2.0	4	370 400 410 380	7.0	7.0	7.0	7.0	M	G	G	290	9.6	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T301	Ash	17.0	3.0	3	400 390 310	8.0	8.0	8.0	8.0	M	G	F	191	7.8	B 1	Apical dieback Hard surfaces within the rooting area Lateral dieback Minor deadwood in the crown Tree is showing signs of decline

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
T302	Ash	15.0	3.0	1	350	5.0	5.0	5.0	5.0	SM	G	G	55	4.2	B 1	Lateral dieback Minor deadwood in the crown No obvious defects observed
T303	Silver birch	10.0	2.0	1	310	3.0	3.0	3.0	3.0	EM	G	G	48	3.9	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T304	Cherry	8.0	1.5	1	380	5.0	5.0	5.0	5.0	SM	F	G	72	4.8	B 1	Lateral dieback Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T305	Cherry	9.0	2.5	1	440	5.0	5.0	5.0	5.0	SM	F	G	92	5.4	B 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed
T306	Cherry	7.0	2.5	1	350	2.5	2.5	2.5	2.5	SM	G	G	55	4.2	B 1	Minor deadwood in the crown No obvious defects observed
T307	English oak	18.0	2.5	2	690 480	7.0	7.0	7.0	7.0	M	G	F	327	10.2	A 1	Hard surfaces within the rooting area Minor deadwood in the crown No obvious defects observed Pruning wounds observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
G1	Ash Norway maple	5.0	0.0	-	150	1.5	1.5	1.5	1.5	Y EM	F	F		0.9	C 3	Self seeded trees present
G2	Silver birch	10.0	2.0	-	240	4.0	4.0	4.0	4.0	Y EM	F	F	28	3.0	C 1	A number of trees are showing signs of decline.
G3	Silver birch European larch	17.0	0.0	-	420	5.0	5.0	5.0	5.0	EM SM	G,F	G,F	81	5.1	B 3	Group is sparse in areas Minor deadwood in the crowns No obvious defects observed Hard surfaces within the rooting area Limited inspection due to health and safety Limited inspection due to dense vegetation.
G4	Cherry laurel	10.0	0.0	-	200	4.5	4.5	4.5	4.5	EM	G	G	18	2.4	B 1	No obvious defects observed
G5	Ash English oak Field maple Hazel Yew Hawthorn	9.0	0.0	-	200	2.5	2.5	2.5	2.5	Y EM	G,F	G,F	18	2.4	B 1,3	Conjoined canopy Conservation value Hard surfaces within the rooting area No obvious defects observed
G6	Ash Hawthorn Hazel Goat willow English oak Cherry sea buchthorn	10.0	0.0	-	280	3.0	3.0	3.0	3.0	Y EM	G,F	G,F	41	3.6	B 1,3	Conjoined canopy Conservation value Dead and dying trees present Hard surfaces within the rooting area Minor deadwood in the crowns No obvious defects observed
G7	Ash Elder Goat willow Hawthorn Silver birch English oak	12.0	0.0	-	800	7.0	7.0	7.0	7.0	Y EM SM M	G,F	G,F	290	9.6	B 1,3	Dead and dying trees present Limited inspection due to access
G8	Ash	12.0	4.0	-	240	2.5	2.5	2.5	2.5	EM SM	F,P	F,P	28	3.0	C 1	Dead and dying trees present
G9	Ash	12.0	3.0	-	240	3.0	3.0	3.0	3.0	EM	F	F,G	28	3.0	B 1	Conjoined canopy No obvious defects observed

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
G10	English oak European larch Sweet chestnut	15.0	2.0	-	750	6.0	6.0	6.0	6.0	SM M	G	G	255	9.0	A 1	No obvious defects observed Minor deadwood in the crowns Hard surfaces within the rooting area
G11	English oak Red oak Sweet chestnut	14.0	1.0	-	640	8.5	8.5	8.5	8.5	EM SM M	G	G	191	7.8	A 1,3	Minor deadwood in the crowns No obvious defects observed
G12	Ash English oak Sweet chestnut	18.0	2.0	-	800	7.0	7.0	7.0	7.0	SM M	G	G	290	9.6	A 1	Minor deadwood in the crowns No obvious defects observed
G13	Ash	13.0	3.0	-	340	4.5	4.5	4.5	4.5	SM	F,P	F,P	55	4.2	C 1	Dead and dying trees present
G14	Ash	13.0	4.0	-	240	3.0	3.0	3.0	3.0	EM	F	F,P	28	3.0	C 1	Dead and dying trees present Hard surfaces within the rooting area Minor deadwood in the crowns
G15	Ash	12.0	2.0	-	250	3.0	3.0	3.0	3.0	EM	F	F,P	28	3.0	C 1	Dead and dying trees present Hard surfaces within the rooting area
G16	Blackthorn Elder Field maple Hawthorn Dogwood Ash	5.0	0.0	-	60	1.5	1.5	1.5	1.5	Y EM	G,F	G,F	3	0.9	C 1,3	Group is located off site but overhangs the study area Conservation value Group is sparse in areas
G17	Hazel	7.0	2.0	-	100	2.5	2.5	2.5	2.5	EM	F	F	5	1.2	C 1	Minor deadwood in the crowns No obvious defects observed
G18	English oak	18.0	2.0	-	580	8.0	8.0	8.0	8.0	SM M	G	G	163	7.2	A 1,3	Conservation value Minor deadwood in the crowns No obvious defects observed
G19	Silver birch	13.0	4.0	-	250	2.5	2.5	2.5	2.5	EM	F	F	28	3.0	C 1	Conjoined canopy Conservation value Minor deadwood in the crowns Dying trees present.

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
G20	English oak Crack willow Ash Silver birch	16.0	1.0	-	650	5.0	5.0	5.0	5.0	EM M	F	F	191	7.8	B2	Limited inspection due to restrictive access Trees appear to be in good condition

Tree No	Species	Height (m)	Crown Clearance (m)	No. of Stems	Stem Dia. (mm)	Crown Radius				Age Class	Structure	Vigour	RPA (m)	RPA Radius (m)	Cat	Comments
						N	E	S	W							
W1	Copper beech Hawthorn Syacmore Norway Maple Hazel Common lime Ash Elder Field maple Larch Lawson cypress Sweet chestnut Wild cherry Silver birch Scots pine Swedish whitebeam	24.0	0.0	-	850	7.0	7.0	7.0	7.0	Y EM M	G	G	327	10.2	A 1 2 3	High quality group
W2	Larch English oak Whitebeam Scots pine Silver birch Elder	22.0	0.0	-	780	6.0	6.0	6.0	6.0	Y EM M	G	G	290	9.6	B 2 3	High quality group Brambles suppress a number of trees Dying trees present

Town and Country Planning Act 1990

TREE PRESERVATION ORDER, 04 OF 2016.

The SEVENOAKS DISTRICT COUNCIL, in exercise of the powers conferred on them by section 198 of the Town and Country Planning Act 1990 make the following Order—

Citation

1. This Order may be cited as Tree Preservation Order No. 04 of 2016, situated at Fort Halstead and adjacent wooded areas.

Interpretation

2.—(1) In this Order "the authority" means the Sevenoaks District Council.

(2) In this Order any reference to a numbered section is a reference to the section so numbered in the Town and Country Planning Act 1990 and any reference to a numbered regulation is a reference to the regulation so numbered in the Town and Country Planning (Tree Preservation) (England) Regulations 2011.

Effect

3.—(1) Subject to article 4, this Order takes effect provisionally on the date on which it is made.

(2) Without prejudice to subsection (7) of section 198 (power to make tree preservation orders) or subsection (1) of section 200 (tree preservation orders: Forestry Commissioners) and, subject to the exceptions in regulation 14, no person shall—

(a) cut down, top, lop, uproot, wilfully damage, or wilfully destroy; or

(b) cause or permit the cutting down, topping, lopping, wilful damage or wilful destruction of,

any tree specified in the Schedule to this Order except with the written consent of the authority in accordance with regulations 16 and 17, or of the Secretary of State in accordance with regulation 23, and, where such consent is given subject to conditions, in accordance with those conditions.

Application to trees to be planted pursuant to a condition

4. In relation to any tree identified in the first column of the Schedule by the letter "C", being a tree to be planted pursuant to a condition imposed under paragraph (a) of section 197 (planning permission to include appropriate provision for preservation and planting of trees), this Order takes effect as from the time when the tree is planted.

Sevenoaks
DISTRICT COUNCIL

Tree Preservation Order

TPO 4 (2016)

Scale: 1:10,000
Date: 24/06/2016

Fort Halstead and adjacent wooded areas

Produced by the GIS Team, Sevenoaks District Council

SCHEDULE 1

SPECIFICATION OF TREES

Trees specified individually
(encircled in black on the map)

Reference on Map	*Description*	*Situation**

Trees specified by reference to an area
(Within a dotted black line on the map)

Reference on Map	*Description*	*Situation**
	None	

Groups of trees
(Within a broken black line on the map)

Reference on Map	*Description*	*Situation**
	None	

Woodlands
(Within a continuous black line on the map)

W1	**Mixed species wooded areas predominantly Oak, Ash & Sweet Chestnut**	**within Fort Halstead and adjacent residential areas**

* complete if necessary to specify more precisely the position of the trees.

Dated this 24th day of June 2016.

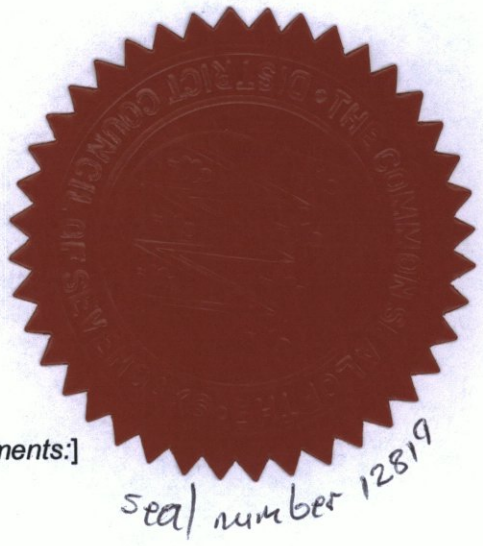
[*if the Council's Standing Orders require the sealing of such documents:*]

The Common Seal of Sevenoaks District Council

was affixed to this Order in the presence of—

Richard Mas

.....]



seal number 12819

[*if the Council's Standing Orders do not require the sealing of such documents:*]
[Signed on behalf of the Sevenoaks District Council]

.....

Authorised by the Council to sign in that behalf]

[CONFIRMATION OF ORDER

[This Order was confirmed by Sevenoaks District Council without modification on the 21ST day of SEPTEMBER 2016. [*insert month and year*]]

~~OR~~

~~[This Order was confirmed by the Sevenoaks District Council, subject to the modifications indicated by [*state how indicated*], on the day of [*insert month and year*]]~~

[Signed on behalf of the Sevenoaks District Council]

.....

Authorised by the Council to sign in that behalf]

[DECISION NOT TO CONFIRM ORDER

[A decision not to confirm this Order was taken by Sevenoaks District Council on the day of [*insert month and year*]]

[Signed on behalf of Sevenoaks District Council]

.....

Authorised by the Council to sign in that behalf]

[VARIATION OF ORDER

[This Order was varied by the Sevenoaks District Council on the day of [*insert month and year*] by a variation order under reference number [*insert reference number to the variation order*] a copy of which is attached]

[Signed on behalf of the Sevenoaks District Council]

.....

.....
Authorised by the Council to sign in that behalf]

[REVOCATION OF ORDER

[This Order was revoked by the Sevenoaks District Council on the day of [*insert month and year*]]

[Signed on behalf of the Sevenoaks District Council

.....

.....

Authorised by the Council to sign in that behalf]