



OAKFIELD
ARBORICULTURAL SERVICES

Arboricultural Method Statement

The Dell, The Street,
Pakenham

OAS 21-091-AR02
October 2022

Whiteheath Cottage,
Whiteheath Road, Bergh Apton,
Norfolk, NR15 1AY
01508 826755
info@oakfieldarb.co.uk

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DISCLAIMER

While all reasonable efforts have been made to identify defects in the subject trees, the statements made in this report do not take into account the effects of extreme weather events, vandalism, accidents or changes to the site that may affect trees that have taken place since the date of the survey. Oakfield Arboricultural Ltd does not accept any responsibility in connection with these factors. The comments and observations made within this report will cease to be valid either within two years of the date of the survey (unless specifically stated elsewhere within the report), or when site conditions change or any works to trees take place that have not been specified within this report, whichever is the sooner.

1.0 Summary

- 1.1 The purpose of this report is to aid the preservation of trees shown to be retained at and adjacent to the site shown on the attached plan OAS 21-091-TS02. Trees can easily be retained and effectively protected during the proposed redevelopment of the site, by clearly setting out the tree protection methods, construction techniques and working practices. This document provides this information; principles that are approved and enforced by the local planning authority.
- 1.2 This document gives site specific instructions on the methods required to protect the existing tree stock agreed to be retained. These methods are set out in a logical sequence of operations
- 1.3 The BS recommendations are made for appropriate barriers to exclude construction from RPA's: The RPA for each tree or group is provided in the tree survey schedule. The protective barriers are sacrosanct and no construction activities shall take place within this zone. This fencing should be erected in position prior to any construction and be maintained in position for the duration of the development process.
- 1.4 The Tree Protection Plan (TPP) will indicate retained trees, trees to be removed, the precise location of protective barriers and ground protection, service routing and specifications, areas designated for structural landscaping to be protected and suitable space for site materials storage and other construction related facilities. This document and the associated TPP will be endorsed by planning conditions, agreement or obligation as appropriate.

2.0 Important Tree Information

- 2.1 As the majority of tree roots are found in the upper metre of soil, development works, including for example even shallow excavation, soil compaction and soil contamination, can be harmful to trees in close proximity. Trees differ in their tolerance of root loss or disturbance, according to their age, species and/or condition. All protection works within this document will be in accordance with BS 5837: 2012 'Trees in Relation to Design, Demolition and Construction – Recommendations'

2.2 An assessment of the site's tree stock has been undertaken and those trees to be retained are clearly shown on the Tree Protection Plan (TPP). A calculation has been made of the volume of soil required to ensure the survival of these and this is represented by the Root Protection Area (RPA) indicated by the magenta circles or squares around the retained tree on the plan.

2.3 The RPA has been used to inform the Construction Exclusion Zone (CEZ), the area to be protected during development by the use of barriers, ground protection and specialised construction techniques - outlined below:-

3.0 Sequenced Methods of Construction and Tree Protection

P1.0 Phase 1 - Pre Contract Meeting

P1.1 An onsite meeting will be held, if required with all relevant parties including the developer, appointed arboricultural supervisor and Local Planning Authority (LPA) representative. The purpose of this meeting is to record site features including tree condition, agree tree works (detailed below), location of permanent and temporary access, location of site storage and the location of tree protection barriers.

P2.0 Phase 2 - Execute Agreed Tree Works

Tree No	Proposed Works	Comments
n/a	Hedgerows to boundary and driveway to be pruned/ managed	General remedial works

P2.1 All tree work is to conform to BS 3998:2010 and to current arboricultural best practice. Tree works are to be undertaken by a professional and specialist arboricultural contractor, who carries the appropriate experience and insurance cover and following formal approval from the LPA

P3.0 Phase 3 - Tree Protection Barriers and ground protection

- P3.1 In order to protect the tree stems from significant construction activity, protection barriers will be erected. See Plan for fencing location. Fencing should be of a reasonable standard and suitable for the purpose of preventing machinery entering the protected zones see example given below in appendix 1.
- P3.2 Once the barriers have been properly erected in position, they are to be considered as sacrosanct and are not to be removed or altered in any way without prior approval from the LPA.
- P3.3 Clear notices are to be fixed to the outside of the fencing with words such as 'PROTECTED AREA – NO ACCESS AND NO STORAGE OR WORKING WITHIN THIS AREA'. All operatives and other relevant personnel are to be informed of the role of the exclusion barriers and their importance.
- P3.4 The location of the protection barriers is indicated on the TPP. The barriers will be erected prior to any works on site in the vicinity of retained trees, including the delivery of machinery, materials, plant or equipment to the site or any adjacent land. The barriers will remain in situ until final completion or a time agreed by the LPA and Contractor.
- P3.5 Where it has been agreed, as shown on the plan, access for construction operations can be located within a tree's RPA a combination of barriers and ground protection should be adopted to form the CEZ.
- For pedestrian access, a single thickness of scaffold boards placed on a driven scaffold frame, so as to form a suspended walkway or on a compressive- resistant layer such as, e.g. woodchip 100mm min, laid onto a geotextile membrane will be sufficient.
 - For pedestrian operated machinery up to a gross weight of 2t inter linked ground protection boards places on top of a compression- resistant layer, as above, will be required.
 - For machinery greater than 2t and engineered specification will be required.

P4.0 Phase 4 - Ground works

- P4.1 Spoil, including soil and rubble surplus to requirements will be removed from site and not stored against any protective fencing.
- P4.2 Foundations are not located within the root areas of retained trees therefore normal machine excavation may take place.
- P4.3 Service runs located in the driveway will be located within the root area of T3. This area will be dug by use of hand tools only and any roots greater than 25mm in diameter will be retained, roots less than 25mm can be pruned. Service ducts can then be threaded under/through any tree roots prior to filling in.

P5.0 Phase 5 - Dismantling Protection Barriers and Landscaping Works

- P5.1 All landscaping once the barriers have been removed will avoid soil re-grading and disturbance within the CEZ and no soil levels be altered after the protection barriers have been removed. All vehicles are strictly prohibited from entering any RPA once barriers are removed.

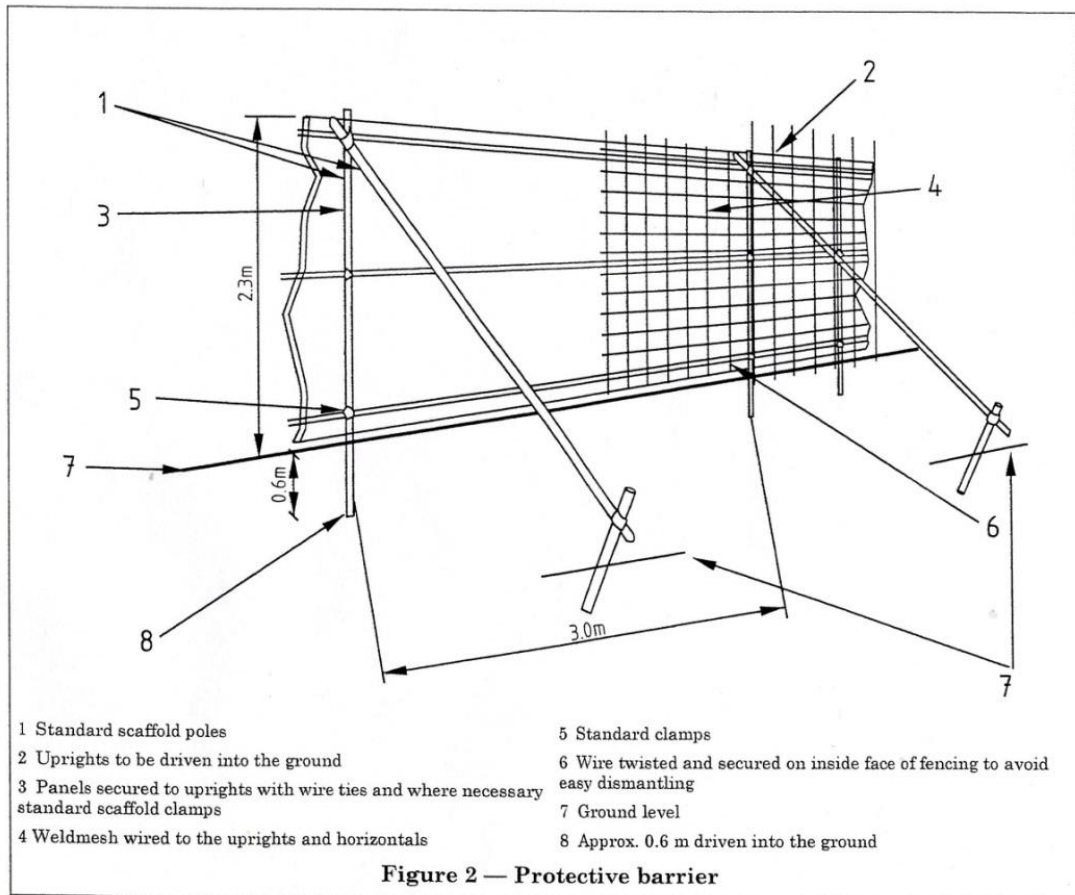
4.0 General Principles for Tree Protection

- 4.1 A copy of this AMS and the attached TPP is to be retained on site at all times and all personnel associated with the construction process will be made familiar with the principles within.
- 4.2 No fires are to be lit on site at any stage during the construction process.
- 4.3 A designated storage area is to be created away from retained trees. All materials for construction purposes are to be stored in this compound. Care must be taken to avoid the leakage or leaching of noxious materials into the soil.
- 4.4 No materials will be stored or left stacked in positions around the site other than within the storage compound area.

5.0 Communication Details, Monitoring and Compliance

- 5.1 In order to ensure that the principles of tree protection set out in the statement are adhered to, it is important to set out communication details for key individuals and tasks that require monitoring. These details should be retained by all relevant parties and available on site at all times. Relevant parties will be advised of any changes in personnel or contractor during the development process.
- 5.2 Before construction begins written confirmation that the developer/contractor or its agents agree to comply in full with the principles set out within this Method Statement will be lodged with the LPA.

Appendix 1: Tree Protection Fencing

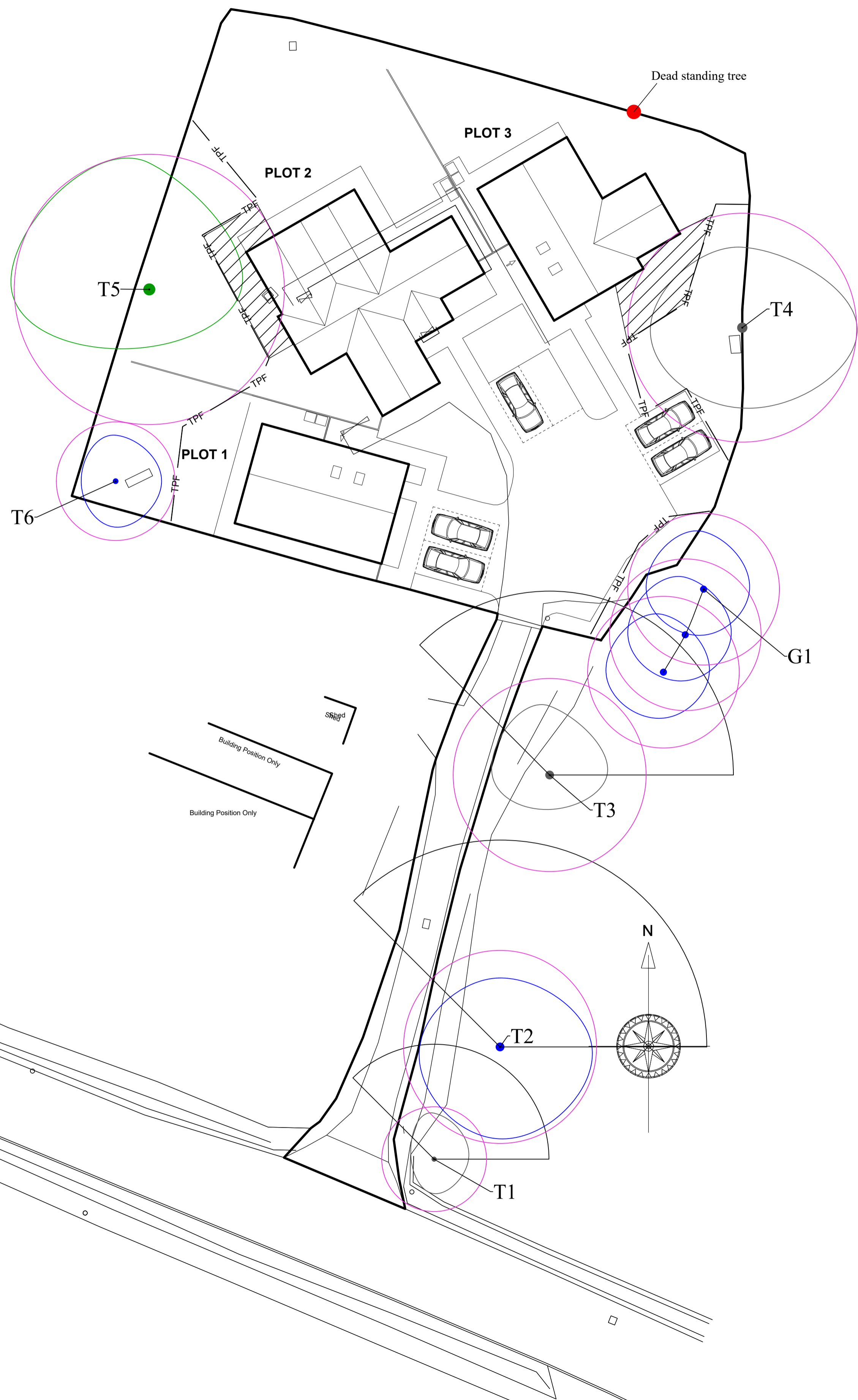


Appendix 2 Tree Survey Schedule

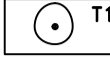
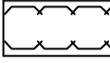
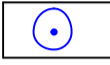
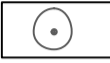
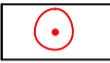


Tree Ref. No.	Species (Common Name)	Height (m)	Canopy Spread				Grnd Clrnc	DBH (mm)	RPR (cm)	RPA (m)	Age class	Gen Cond	Structural Defects/Comments	Estimated remaining contribution (BS 5837)	BS Cat	BS Sub Cat	Prelim Tree Work Recommendations
			N	E	S	W											
T1	Horse Chestnut	10	4	3	3	2	1	375	450	63.59	MA	F	Poor form located on bank adjacent access	10+	C	1	
T2	Horse Chestnut	18	6	8	8	7	3	700	840	221.56	MA	F	Offsite located in wooded area. Significance level change to driveway and tree location	20+	B	1	
T3	Sycamore	16	6	5	3	5	2	700	840	221.56	MA	F	Multi-stemmed with poor V unions. Potentially offsite	10+	C	1	
T4	Ash	18	7	10	7	8	4	825	990	307.75	MA	F	Located on boundary ownership not known. Heavy ivy and epicormic growth to main branches indicating potential dieback infection.	10+	C	1	
T5	Oak	18	11	8	5	12	3	975	1170	429.83	MA	F	No access to all of stem. Large specimen minor faults	40+	A	1	
T6	Cherry	9	4	4	4	3	2	425	510	81.67	MA	F	Normal form and condition	20+	B	1	
G1	Sycamore, Maple	18	5	4	4	5	3	550	660	136.78	MA	F	Located off site in dell. Moderate level change	20+	B	1	

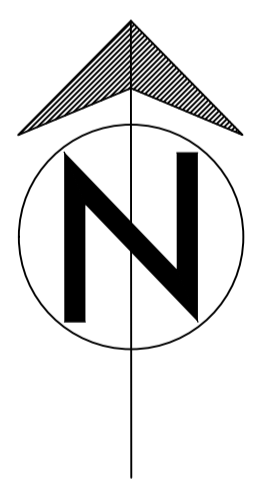
Tree Schedule Explanatory Notes

Ref.no	Identifies trees, groups and hedges on the accompanying plan.
Species	Common names are provided to aid wider comprehension.
Height	Describes the approximate height of the tree measured in metres from ground level
Canopy Spread	Indicates the crown radius from the base of the tree in four compass directions, recorded to the nearest metre.
Ground Clearance	Height of crown clearance above adjacent ground in metres.
DBH (mm)	DBH is the diameter of the stem measured in cm at 1.5m from ground level for single stemmed trees or just above root flare for multi-stemmed trees. Stem Diameter may be estimated where access is restricted.
RPR (cm)	Root Protection Radius (RPR) is area required to be protected measured radially from the trunk centre.
RPA (m²)	Root Protection Area (RPA) is the minimum rooting area in m ² which should remain undisturbed around each tree.
Age Class	Age of the tree expressed as Y- Young, MA- Middle-Aged, EM- Early Mature, M- Mature or OM- Over-Mature
General Condition	Overall condition of tree expressed as :Good, Fair, Poor, Dead
Structural defects/Comments	May include general comments about growth characteristics, how it is affected by other trees and any previous surgery works. Also specific problems such as dead wood, pests, diseases, broken limbs. Etc
Estimated Remaining Years	Categorised in year bands of less than 10, 10+, 20+, 40+
BS Category	B.S. Cat refers to (BS 5837:2005 Table 1) and refers to tree/overall group quality and value; 'A' - High; 'B' - Moderate; 'C' - Low; 'U' - Remove.
Sub Category	Sub Cat refers to the retention criteria values where 1 is arboricultural, 2 is landscape and 3 is cultural including conservational, historic and commemorative



KEY

-  T1 Existing Tree colour referenced in accordance with BS 5837 2005.
-  Existing hedge or group, colour coded as above in accordance with BS 5837.
-  Blue - Cat B Trees of moderate quality and value
-  Grey - Cat C Trees of low quality and value
-  Red - Cat U Trees that are dead or showing signs of irreversible decline
-  Root Protection Area as calculated in accordance with BS 5837
-  Shade pattern as to BS:5837.



REV.	DATE	INITIALS	DETAILS						
CLIENT c/o Building Plans					DWG. TITLE Tree Constraints/ Protection Plan				
SITE: Coal Yard, Old Buckenham									
DRAWN BY SPM	CHECKED BY SPM	SCALE 1:200 @A1	DATE Jan 2021	DWG NO. OAS 21-012-TS01	REV. .				