

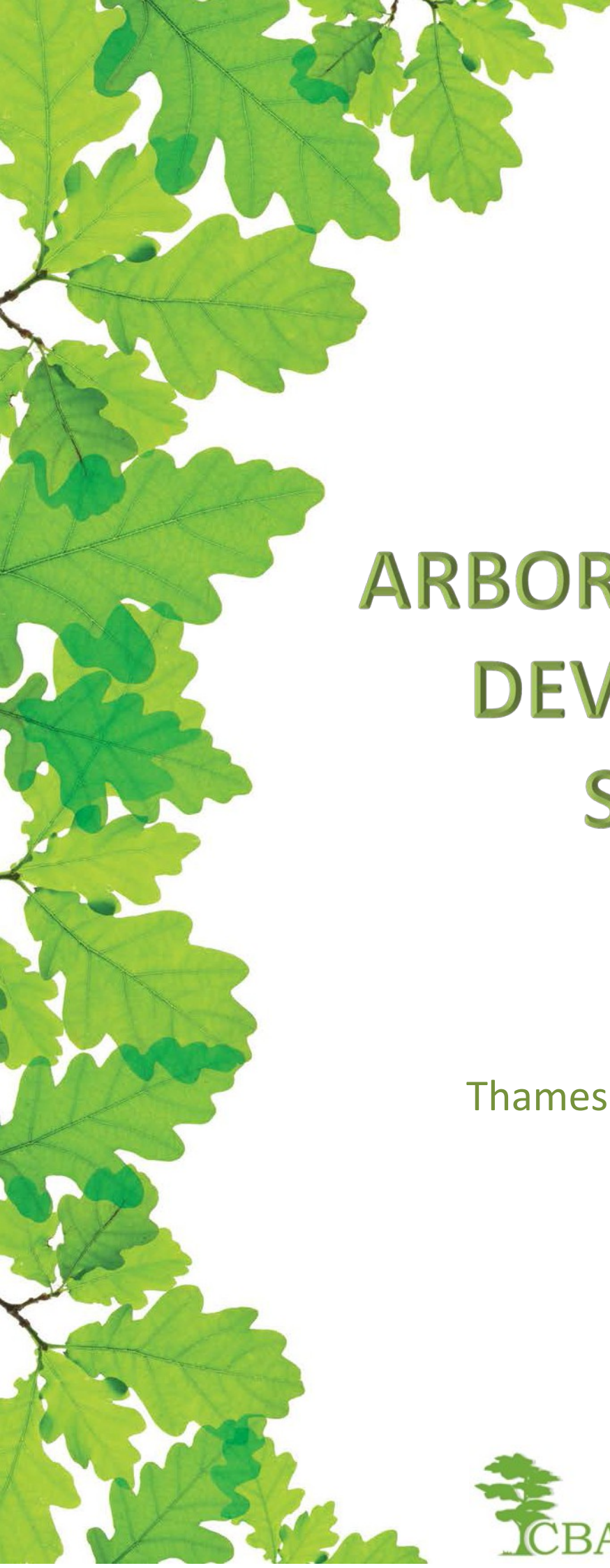


Thames Valley Park Data Centre

Arboricultural Development Statement

CBA Trees | On Behalf of FH Trustees
Revision V2 | September 2026





September 2026
CBA11989 v2

FH Trustees

ARBORICULTURAL DEVELOPMENT STATEMENT

Site:
Thames Valley Park Data Centre
Reading
RG6 1WG



Chesil House, Arrow Close,
Boyatt Wood, Hampshire, SO50 4SY
Tel: 023 8098 6229 Email: info@cbatrees.co.uk

[www: cbatrees.co.uk](http://www.cbatrees.co.uk)

The Complete Arboricultural Consultancy



ARBORICULTURAL DEVELOPMENT STATEMENT

Arboricultural Implications Assessment and Method Statement
guided by recommendations within BS5837:2012

Applicant:	FH Trustees
Project:	Thames Valley Park Data Centre
Arboricultural Consultant:	Stefan Rose BSc (Hons), TechCert (Arbor.A), TechArborA
Date:	September 2026

SUMMARY

This arboricultural report has been prepared by Stefan Rose of CBA Trees on behalf of FH Trustees (the Applicant) for the Outline planning application (all matters reserved except for Access) for demolition of existing buildings and the construction of a data centre (Use Class B8), fuel cells for energy generation, ancillary office space and associated plant, drainage, backup power generation, sub-station (33kV and 132kV options), car parking, landscaping, engineering works and formation of and alterations to access roads at the Microsoft Campus, Thames Valley Park, Reading, RG6 1WG. The proposals have been assessed broadly in accordance with BS5837:2012 *“Trees in Relation to Design, Demolition and Construction – Recommendations”*.

This Arboricultural Development Statement (ADS) will demonstrate the protection measures for the trees and should be read in association with the Tree Protection Plans CBA11989.02A TRRP (33KV) and CBA11989.03A CONS TPP (33KV) for the 33kV substation option and CBA11989.04 TRRP (132kv) and CBA1198.05 CONS TPP (132kV) for the 132kV substation option that identify tree retention and protection measures.

The emphasis of the report is predominantly that of preservation and tree protection. It identifies methodologies to provide protection for trees, to ensure their healthy and safe retention during and post development, as guided by BS5837:2012 and current best practice.

Of the 131 individual trees identified in the tree survey, there are 75 trees detailed to be removed, and 56 trees detailed as retained.

Of the 19 groups identified in the tree survey, there are 10 groups detailed to be removed, 8 groups detailed as retained and 1 group that is part removed and part retained.

Of the 25 hedges identified in the tree survey, there are 18 hedges detailed to be removed, 5 hedges detailed as retained and 2 hedges that are part removed and part retained.

The proposed soft landscaping for either substation scheme will provide for replacement trees, increased species diversity, ecological interest and increase the ecological habitat opportunities on site and in time, once established, provide for a visually more interesting tree'd area. Provided the recommendations included within this report are strictly adhered to, CBA Trees believes the trees and groups highlighted for retention within this report can be retained without undue stress on their long-term health.

CONTENTS

Section Title

Page No.

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

1.0	INTRODUCTION.....	3
2.0	CLIENT'S BRIEF.....	4
3.0	DESCRIPTION OF THE SITE	4
4.0	THE TREE STOCK.....	5
5.0	TREE PRESERVATION ORDER/CONSERVATION AREA	6
6.0	PROPOSED TREE RETENTION AND TREE LOSS	6
7.0	SUMMARY OF ARBORICULTURAL IMPLICATIONS	7

PART 2

ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS

8.0	PRE-COMMENCEMENT SITE MEETING	23
9.0	SITE MONITORING AND SUPERVISION.....	23
10.0	ADDITIONAL ARBORICULTURAL ADVICE FOR SITE PERSONNEL	24
11.0	PRE-DEVELOPMENT TREE WORKS.....	24
12.0	TREE PROTECTION MEASURES.....	25
13.0	REPORT DAMAGE TO TREES AND TREE PROTECTION BARRIERS	28
14.0	AVOIDING DAMAGE TO STEMS AND BRANCHES.....	29
15.0	EXISTING SERVICES.....	29
16.0	VEHICULAR MOVEMENTS.....	29
17.0	SITING OF TEMPORARY OFFICES, TOILETS AND MATERIAL STORAGE COMPOUNDS.....	30
18.0	GENERAL CONSIDERATIONS WITHIN AND OUTSIDE THE CONSTRUCTION EXCLUSION ZONE (CEZ)	30
19.0	DEMOLITION	31
20.0	REMOVAL OF BUILT FORM AND HARD SURFACES IN CLOSE PROXIMITY TO RETAINED TREES.....	31
21.0	GROUND LEVEL ALTERATIONS.....	32
22.0	RETAINING WALL.....	32
23.0	UTILITY SERVICE CONNECTIONS	32
24.0	REMOVAL OF PROTECTIVE MEASURES.....	33
25.0	LANDSCAPING WORKS	33
26.0	CONCLUSIONS	34
27.0	CONTACT LIST	35
28.0	BIBLIOGRAPHY.....	35

SUPPORTING INFORMATION/APPENDICES:

CB1	Tree Survey Schedule and Tree Survey Plan CBA11989.01B TSP
CB2	Root Protection Area Schedule
CB3	CBA11989.02A TRRP (33KV) CBA11989.03A CONS TPP (33KV) CBA11989.04 TRRP (132kV) CBA11989.05 CONS TPP (132kV)
CB4	Tree Works Schedule

GUIDING PRINCIPLES/APPENDICES:

CB5	Tree Protection Guidance Leaflet Construction Exclusion Zone Site Notice Common Causes of Damage During Construction Works
CB6	Qualifications and Experience

1.0 INTRODUCTION

- 1.1 There is an Outline planning application (all matters reserved except for Access) for demolition of existing buildings and the construction of a data centre (Use Class B8), fuel cells for energy generation, ancillary office space and associated plant, drainage, backup power generation, sub-station (33kV and 132kV options), car parking, landscaping, engineering works and formation of and alterations to access roads at the Microsoft Campus, Thames Valley Park, Reading, RG6 1WG. The proposals have been assessed broadly in accordance with BS5837:2012 *“Trees in Relation to Design, Demolition and Construction – Recommendations”*.
- 1.2 The works that form the Proposed Development comprise:
- data centre halls behind the office frontage comprising approximately 37,000m² of floorspace, excluding fuel cells and generators;
 - A substation and compound
 - An administrative/office at the front;
 - Electrical equipment and generators;
 - Double-stacked fuel cells at the east and west of the main building;
 - Two access points to the Thames Valley Park estate road – one main access point at the north-west corner, and one emergency access point further east;
 - Internal access roads circulating the main buildings, and maintenance access road;
 - A security lodge at the main site entrance;
 - A car parking area, positioned at the front of the office/admin building; and
 - Landscaping and engineering works.
- 1.3 Document disclosure provided by the applicant:
- Topo TVDC – Topographical survey
 - 259904-12A-AR-DR-PL-DM-0000-R2-01-DEMOLITION SITE PLAN
 - 259904-12A-AR-DR-PL-IP-0001-R2-02-SITE PLAN (33kV SUBSTATION)
 - 259904-12A-AR-DR-PL-IP-0100-R2-02-ILLUSTRATIVE GROUND FLOOR PLAN
 - 259904-12A-AR-DR-PL-IP-0002-R2-02-SITE PLAN (132kV SUBSTATION)
 - 259904-12A-AR-DR-PL-PP-0100-R2-02-PARAMETER GROUND FLOOR PLAN
- 1.4 The applicant and project architects provided the original site plans and locations of the trees, and these have been the basis for the production of subsequent plans. Whilst CBA Trees has had a limited input in defining the contents of the development plan, it broadly conforms to the requirements of BS5837:2012 *“Trees in Relation to Design, Demolition and Construction – Recommendations”* and current best practice advice.

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

- 1.5 Our advice has been sought on the principles of the development in relation to the potential impact on the existing tree stock, to inform and to facilitate the development layout.

2.0 APPLICANT'S BRIEF

- 2.1 In line with our written quotation and verbal instructions, information has been compiled in accordance with BS5837:2012 and current best practice advice.
- To undertake a Tree Survey including a Root Protection Area Schedule, appended at CB1 and CB2 respectively.
 - To produce an AutoCAD compliant Tree Survey Plan that relies on the accuracy of the topographical survey provided by the applicant (plan CBA11989.01B TSP appended at CB1).
 - To undertake an Arboricultural Implications Assessment (AIA) of the proposed development provided by the applicant to identify which trees will be lost, which can be retained and suggest mitigating build techniques (where possible) in order to retain trees as appropriate for both the 33kV and the 132kV substation options.
 - Based on the above and further on-going discussions, to provide an Arboricultural Development Statement detailing the methodologies for the retention of the tree stock where feasible, in relation to the proposed development layout including Tree Protection Plans (CBA11989.02A TRRP (33KV) and CBA11989.03A CONS TPP (33KV) for the 33kV substation option and CBA11989.04 TRRP (132kv) and CBA1198.05 CONS TPP (132kv) for the 132kV substation option, appended at CB3).
- 2.2 The advice provided has been formulated without discussion with the main ground or construction contractors who at this stage have not been appointed. Once the main contractors are appointed, amendments to this statement may be required for construction purposes. All amendments will be assessed by the retained arboricultural consultant and approved in writing by Wokingham Borough Council Planning Officer/Tree Officer.

3.0 DESCRIPTION OF THE SITE

- 3.1 The Site currently contains three office buildings formerly occupied by Microsoft as part of their long-established presence at Thames Valley Park. Microsoft have already vacated two of the three buildings, and while they retain a lease on the remaining building, they are not fully occupying it. Microsoft has confirmed that they do not intend to remain on the campus and will vacate entirely at the expiry of their lease in December 2027.
- 3.2 The Site rises up from the north to the south.

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

- 3.3 The majority of the tree stock was planted as part of the original development and is formed by hedges and trees separating the rows of car parking. Many are of poor form, in decline or have been reduced.
- 3.4 The more significant trees are the oaks along the northern frontage of the site, several of the trees growing along the western boundary and the trees along the southern boundary are legally protected trees.
- 3.5 The surrounding area is characterised by commercial, residential, and transport infrastructure uses, including rail and road corridors.
- 3.6 Office buildings are located immediately north and west of the site. Further north are the River Thames and Thames Valley Park Nature Reserve.
- 3.7 East of the Site is an open, unvegetated area used for agricultural purposes (Sonning Meadows) and residential areas further afield. Immediately south of the site is a railway line, and beyond the railway is a residential area and the Reading substation.

4.0 THE TREE STOCK

- 4.1 CBA Trees undertook a tree survey on 16th April 2026. The tree survey exercise identified 131 (one hundred and thirty one) individual trees, 19 (nineteen) groups of trees and 25 (twenty five) hedges. The Tree Survey Schedule and Tree Survey Plan (CBA11989.01B TSP) are appended at CB1.

4.2 Tree Categorisation Method

Category U = Trees in such a condition that any value would be lost within 10 years or should be removed for reasons of sound arboricultural management. There were 11 individual trees classified as 'U' grade on and adjacent to the site at the time of the survey.

NOTE: "Category U trees are those in such a condition they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years."

Category A = Trees of high quality and value: in such a condition as to make a substantial contribution, (40 years or more is recommended). There were no trees categorised as high 'A' grade on or adjacent to the site at the time of the survey.

Category B = Trees of moderate quality and value, capable of making a significant contribution for in excess of 20 years. There were 70 individual trees, 7 groups of trees and 10 hedges classified as moderate 'B' grade category at the time of surveying.

Category C = Trees of low quality and value which might remain for a minimum of 10 years or young trees with stems of less than 150mm diameter. There were 50 individual trees, 12 groups of trees and

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

15 hedges classified as low 'C' grade category at the time of surveying.

NOTE: "Trees under these categories are trees that should be a material consideration in the development process; the subcategories are intended to reflect arboricultural, landscape and cultural values respectively."

- 4.3 For more details of the existing tree stock, refer to the Tree Survey Schedule (appended at CB1).

5.0 TREE PRESERVATION ORDER/CONSERVATION AREA

- 5.1 The interactive mapping facility on the Wokingham Borough Council website indicates that the site does not lie within a Conservation Area. Several trees within Grp 3 are protected by a Tree Preservation Order on adjacent land relating to 'Trees on land at "Little Gogs" Sonning, with reference TPO 0304/1986 T1 to T4 and W1.
- 5.2 It is advised that checks are made with Wokingham Borough Council prior to tree works being completed onsite outside of any detailed planning consent that specifies tree works to confirm the legal protection status of the trees, groups and hedges on and adjacent to the site and that appropriate applications have been made and allowed/granted prior to tree works being started.

6.0 PROPOSED TREE RETENTION AND TREE LOSS

- 6.1 In accordance with the recommendations contained within BS5837:2012, an experienced arboriculturist has assessed the requirements for tree protection and the Root Protection Area (RPA). The implications of the proposed development are detailed below, along with any mitigating measures to ensure the retention of these trees.
- 6.2 As part of the assessment, dimensions have been scaled from the proposed drawings prepared and modified, to include the relevant tree survey data (tree protection plans (CBA11989.02A TRRP (33KV) and CBA11989.03A CONS TPP (33KV) for the 33kV substation option and CBA11989.04 TRRP (132kv) and CBA1198.05 CONS TPP (132kV) for the 132kV substation option, appended at CB3).
- 6.3 **33kV Substation Option:**
- Of the 131 individual trees, there are 75 trees detailed to be removed, and 56 trees detailed as retained.
 - Of the 19 groups, there are 10 groups detailed to be removed, 8 groups detailed as retained and 1 group that is part removed and part retained.
 - Of the 25 hedges, there are 18 hedges detailed to be removed, 5 hedges detailed as retained and 2 hedges that are part removed and part retained.

PART 1 ARBORICULTURAL IMPLICATIONS ASSESSMENT

6.4 132kV Substation Option:

- Of the 131 individual trees, there are 79 trees detailed to be removed, and 52 trees detailed as retained. An increase in 4 individual trees to be removed compared to the 33kV substation option
- Of the 19 groups, there are 11 groups detailed to be removed, 7 groups detailed as retained and 1 group that is part removed and part retained. An increase in 1 group to be removed compared to the 33kV substation option
- Of the 25 hedges, there are 18 hedges detailed to be removed, 5 hedges detailed as retained and 2 hedges that are part removed and part retained. There is no difference in hedge removals between the two substation options.

7.0 SUMMARY OF ARBORICULTURAL IMPLICATIONS

- 7.1 The following is a summary of arboricultural implications as indicated on Tree Protection Plans CBA11989.02A TRRP (33KV) and CBA11989.03A CONS TPP (33KV) for the 33kV substation option and CBA11989.04 TRRP (132kv) and CBA1198.05 CONS TPP (132kV) for the 132kV substation option.
- 7.2 Arboricultural Implications for the proposed development are detailed in the tables below. Where the implications of the 132kV substation are different for a specific tree, group or hedge, these differences are detailed in Table 2; Table 3 compares the tree retentions and removals for both substation options.

Table 1: Arboricultural Implications for the proposed development including the 33kV substation

Tree No.	Species	BS 5837: 2012 Cat	Potential cause of harm	Implication	Mitigation
1	Holm Oak <i>Quercus ilex</i>	C1+2	• Under footprint of proposals	• Removed	• Replacement planting • Low quality tree
2	Silver Birch <i>Betula pendula</i>	C1+2	• Under footprint of proposals	• Removed	• Replacement planting • Low quality tree
3	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
4	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

Tree No.	Species	BS 5837: 2012 Cat	Potential cause of harm	Implication	Mitigation
5	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
6	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
7	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
8	Pin Oak <i>Quercus palustris</i>	C1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works	• Retained	• Prune out central leader with decay • Protected as detailed within this report and as shown on the Tree Protection Plan
9	Himalayan Birch <i>Betula utilis</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works	• Removed	• Replacement planting
10	Himalayan Birch <i>Betula utilis</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works	• Removed	• Replacement planting
11	Himalayan Birch <i>Betula utilis</i>	C1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works	• Removed	• Replacement planting • Low quality tree

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

Tree No.	Species	BS 5837: 2012 Cat	Potential cause of harm	Implication	Mitigation
12 to 19	Himalayan Birch <i>Betula utilis</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works	• Removed	• Replacement planting
19	Himalayan Birch <i>Betula utilis</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works	• Removed	• Replacement planting
20	Silver Birch <i>Betula pendula</i>	C1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works • Working space	• Removed	• Replacement planting • Low quality tree
21	Himalayan Birch <i>Betula utilis</i>	C1+2	• Under footprint of proposals	• Removed	• Replacement planting • Low quality tree
22	Pedunculate Oak <i>Quercus robur</i>	C1	• Under footprint of proposals	• Removed	• Replacement planting • Low quality tree
23	Pin Oak <i>Quercus palustris</i>	B2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works • Working space	• Removed	• Replacement planting
24	Pin Oak <i>Quercus palustris</i>	C1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works	• Removed	• Replacement planting • Low quality tree
25	Flowering Cherry <i>Prunus spp</i>	C1+2	• Under footprint of proposals	• Removed	• Replacement planting • Low quality tree
26	Flowering Cherry <i>Prunus spp</i>	U	• Under footprint of proposals	• Removed	• Replacement planting • Poor quality tree
27	Flowering Cherry <i>Prunus spp</i>	U	• Under footprint of proposals	• Removed	• Replacement planting • Poor quality tree
28	Pin Oak <i>Quercus palustris</i>	B1+2	• Under footprint of proposals	• Removed	• Replacement planting

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

Tree No.	Species	BS 5837: 2012 Cat	Potential cause of harm	Implication	Mitigation
29	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works • Retaining wall	• Removed	• Replacement planting
30	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works • Retaining wall	• Removed	• Replacement planting
31	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
32	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
33	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
34	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
35	Pear <i>Pyrus spp</i>	C1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Removed	• Replacement planting • Low quality tree
36	Himalayan Birch <i>Betula utilis</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

Tree No.	Species	BS 5837: 2012 Cat	Potential cause of harm	Implication	Mitigation
37	Holm Oak <i>Quercus ilex</i>	C1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
38	Goat Willow <i>Salix caprea</i>	C1	Under footprint of proposals	Removed	- Replacement planting - Low quality tree
39	Flowering Cherry <i>Prunus spp</i>	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality tree
40	Flowering Cherry <i>Prunus spp</i>	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality tree
41	Pedunculate Oak <i>Quercus robur</i>	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality tree
42 to 48	Flowering Cherry <i>Prunus spp</i>	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality trees
49	Flowering Cherry <i>Prunus spp</i>	U	Under footprint of proposals	Removed	- Replacement planting - Poor quality tree
50	Pin Oak <i>Quercus palustris</i>	B1+2	Under footprint of proposals	Removed	Replacement planting
51	Pin Oak <i>Quercus palustris</i>	B1+2	Under footprint of proposals	Removed	Replacement planting
52 to 56	Flowering Cherry <i>Prunus spp</i>	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality trees
57	Pin Oak <i>Quercus palustris</i>	B1+2	Under footprint of proposals	Removed	Replacement planting
58	Pin Oak <i>Quercus palustris</i>	B1+2	Under footprint of proposals	Removed	Replacement planting
59	Pin Oak <i>Quercus palustris</i>	B1+2	Under footprint of proposals	Removed	Replacement planting
60	Flowering Cherry <i>Prunus spp</i>	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality tree
61	Flowering Cherry <i>Prunus spp</i>	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality tree
62	Flowering Cherry <i>Prunus spp</i>	C1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works - Retaining wall	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
63	Flowering Cherry <i>Prunus spp</i>	C1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works - Retaining wall	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
64	Flowering Cherry <i>Prunus spp</i>	C1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

Tree No.	Species	BS 5837: 2012 Cat	Potential cause of harm	Implication	Mitigation
65	Flowering Cherry <i>Prunus spp</i>	C1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
66	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works • Retaining wall	• Removed	• Replacement planting
67	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
68	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
69	Pin Oak <i>Quercus palustris</i>	C1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
70	Flowering Cherry <i>Prunus spp</i>	C1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
71	Flowering Cherry <i>Prunus spp</i>	C1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
72	Pin Oak <i>Quercus palustris</i>	C1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

Tree No.	Species	BS 5837: 2012 Cat	Potential cause of harm	Implication	Mitigation
73	Pin Oak <i>Quercus palustris</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
74	Pin Oak <i>Quercus palustris</i>	B1+2	Under footprint of proposals	Removed	Replacement planting
75	Pin Oak <i>Quercus palustris</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
76	Hornbeam <i>Carpinus spp</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
77	Pin Oak <i>Quercus palustris</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
78	Pin Oak <i>Quercus palustris</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
79	Silver Birch <i>Betula pendula</i>	U	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works	Retained	- Make safe and retain for ecological benefit - Protected as detailed within this report and as shown on the Tree Protection Plan
80	Silver Birch <i>Betula pendula</i>	U	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works	Retained	- Make safe and retain for ecological benefit - Protected as detailed within this report and as shown on the Tree Protection Plan
81	Pedunculate Oak <i>Quercus robur</i>	C1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

Tree No.	Species	BS 5837: 2012 Cat	Potential cause of harm	Implication	Mitigation
82	Pedunculate Oak <i>Quercus robur</i>	C1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
83	Pedunculate Oak x2 <i>Quercus robur</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
84	Pedunculate Oak <i>Quercus robur</i>	C1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
85	Holm Oak <i>Quercus ilex</i>	U	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Retained	• Make safe and retain for ecological benefit
86	Pedunculate Oak <i>Quercus robur</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
87	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
88	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
89	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

Tree No.	Species	BS 5837: 2012 Cat	Potential cause of harm	Implication	Mitigation
90	Pin Oak <i>Quercus palustris</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
91	Pin Oak <i>Quercus palustris</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
92	Pin Oak <i>Quercus palustris</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
93	Pin Oak <i>Quercus palustris</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
94	Pin Oak <i>Quercus palustris</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
95	Pin Oak <i>Quercus palustris</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Soft landscaping works - Utility works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
96	Pin Oak <i>Quercus palustris</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Soft landscaping works - Utility works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
97	Wild Cherry <i>Prunus avium</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works	Removed	Replacement planting

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

Tree No.	Species	BS 5837: 2012 Cat	Potential cause of harm	Implication	Mitigation
98	Flowering Cherry <i>Prunus spp</i>	U	Under footprint of proposals	Removed	- Replacement planting - Poor quality tree
99	Purple Flowering Cherry <i>Prunus spp</i>	U	Under footprint of proposals	Removed	- Replacement planting - Poor quality tree
100	Flowering Cherry <i>Prunus spp</i>	U	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works	Removed	- Replacement planting - Poor quality tree
101	Purple Flowering Cherry <i>Prunus spp</i>	C1	Under footprint of proposals	Removed	- Replacement planting - Low quality tree
102	Pin Oak <i>Quercus palustris</i>	B1+2	Under footprint of proposals	Removed	Replacement planting
103	Pin Oak <i>Quercus palustris</i>	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality tree
104 to 107	Flowering Cherry <i>Prunus spp</i>	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality tree
108	Flowering Cherry <i>Prunus spp</i>	U	Under footprint of proposals	Removed	- Replacement planting - Poor quality tree
109	Pin Oak <i>Quercus palustris</i>	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality tree
110	Pin Oak <i>Quercus palustris</i>	B1+2	Under footprint of proposals	Removed	Replacement planting
111	Flowering Cherry <i>Prunus spp</i>	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality tree
112 to 117	Pin Oak <i>Quercus palustris</i>	B1+2	Under footprint of proposals	Removed	Replacement planting
118	Flowering Cherry <i>Prunus spp</i>	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality tree
119	Flowering Cherry <i>Prunus spp</i>	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality tree
120	Pin Oak <i>Quercus palustris</i>	B1+2	Under footprint of proposals	Removed	Replacement planting
121	Pin Oak <i>Quercus palustris</i>	B1+2	Under footprint of proposals	Removed	Replacement planting
122	Pin Oak <i>Quercus palustris</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works - Retaining wall	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
123	Pin Oak <i>Quercus palustris</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Removal of container units	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

Tree No.	Species	BS 5837: 2012 Cat	Potential cause of harm	Implication	Mitigation
124	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Removal of container units	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
125	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works • Retaining wall	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
126	Silver Birch <i>Betula pendula</i>	U	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works • Security fence	• Retained	• Make safe and retain for ecological benefit • Protected as detailed within this report and as shown on the Tree Protection Plan
127	Pin Oak <i>Quercus palustris</i>	C1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works • Security fence	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
128	Pin Oak <i>Quercus palustris</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works • Security fence	• Retained	• Protected as detailed within this report and as shown on the Tree Protection Plan
129	Common Lime <i>Tilia x europaea</i>	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works	• Retained	• Crown lift and reduce back to provide 1m clearance to the road access edge and 4.5m clearance above • Protected as detailed within this report and as shown on the Tree Protection Plan

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

Tree No.	Species	BS 5837: 2012 Cat	Potential cause of harm	Implication	Mitigation
130	Common Lime <i>Tilia x europaea</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
131	Common Lime <i>Tilia x europaea</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
Grp 1	Hornbeam	C2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
Grp 2	Silver Birch Pedunculate Oak Hazel Goat Willow Field Maple Dogwood	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
Grp 3 TPO	Pedunculate Oak Hawthorn Hazel Common Ash	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
Grp 4	Flowering Cherry x5	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality trees
Grp 5	Flowering Cherry x3 Apple x1 Maple x1	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality trees
Grp 6	Flowering Cherry x6	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality trees
Grp 7	Ash x2 Photinia	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality trees
Grp 8	Flowering Cherry	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality trees
Grp 9	Pedunculate Oak x3 Hornbeam x2	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality trees

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

Tree No.	Species	BS 5837: 2012 Cat	Potential cause of harm	Implication	Mitigation
Grp 10	Dogwood Holm Oak Dog Rose Scots Pine Pin Oak Buddleia Goat Willow	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Removal of container units - Utility works - Retaining wall	Retained	- Removed northern end of group as indicated on the Tree Retention, Removal and Demolition Plan - Retained section protected as detailed within this report and as shown on the Tree Protection Plan
Grp 11	Flowering Cherry Common Ash Holm Oak Dogwood Hawthorn Pedunculate Oak Silver Birch Buddleia Hazel	C2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
Grp 12	Common Ash Hazel Field Maple Pedunculate Oak Goat Willow	B2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works	Retained	None required for planning
Grp 13	Common Hazel Dogwood Snowy Mesipilus	C2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Removal of container units	Retained	Protected as detailed within this report and as shown on the Tree Protection Plan
Grp 14	Hazel Dogwood Hornbeam	B2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works - Security fence	Retained	- Reduce and/or cut lateral branches back to allow for security fence installation - Retained section protected as detailed within this report and as shown on the Tree Protection Plan
Grp 15	Snowy Mesipilus x2 Pedunculate Oak x1 Field Maple x1	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality trees
Grp 16	Flowering Cherry x27	C1+2	Under footprint of proposals	Removed	- Replacement planting - Low quality trees
Grp 17	Snowy Mesipilus x3	C2	Under footprint of proposals	Removed	- Replacement planting - Low quality trees
Grp 18	Pine Dogwood Hornbeam Field Maple Snowy Mesipilus Pin Oak Wild Cherry	B1+2	Under footprint of proposals	Removed	Replacement planting

PART 1
ARBORICULTURAL IMPLICATIONS ASSESSMENT

<i>Tree No.</i>	<i>Species</i>	<i>BS 5837: 2012 Cat</i>	<i>Potential cause of harm</i>	<i>Implication</i>	<i>Mitigation</i>
Grp 19	Dogwood Hornbeam Hazel Pin Oak Oak	B1+2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works • Security fence	• Retained	• Reduce and/or cut lateral branches back to allow for security fence installation • Retained section protected as detailed within this report and as shown on the Tree Protection Plan
H1	Hornbeam	B2	• Under footprint of proposals	• Removed	• Replacement planting
H2	Hornbeam	C2	• Under footprint of proposals	• Removed	• Replacement planting • Low quality hedge
H3	Hornbeam	C2	• Under footprint of proposals	• Removed	• Replacement planting • Low quality hedge
H4	Hornbeam	C2	• Under footprint of proposals	• Removed	• Replacement planting • Low quality hedge
H5	Hornbeam	C2	• Under footprint of proposals	• Removed	• Replacement planting • Low quality hedge
H6	Hornbeam	C2	• Under footprint of proposals	• Removed	• Replacement planting • Low quality hedge
H7	Hornbeam	C2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works • Retaining wall	• Part retained • Part Removed	• Remove southwestern most end as indicated on Tree Retention, Removal and Demolition Plan • Retained section protected as detailed within this report and as shown on the Tree Protection Plan • Continue annual trimming of retained section
H8	Hornbeam	C2	• Material delivery, storage and mixing • Contractor parking and movements • Removal of hard surfacing • Soft landscaping works • Utility works • Working space	• Removed	• Replacement planting • Low quality hedge
H9	Hornbeam	C2	• Under footprint of proposals	• Removed	• Replacement planting • Low quality hedge
H10	Hornbeam	C2	• Under footprint of proposals	• Removed	• Replacement planting • Low quality hedge
H11	Hornbeam	C2	• Under footprint of proposals	• Removed	• Replacement planting • Low quality hedge
H12	Hornbeam	C2	• Under footprint of proposals	• Removed	• Replacement planting • Low quality hedge

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

Tree No.	Species	BS 5837: 2012 Cat	Potential cause of harm	Implication	Mitigation
H13	Hornbeam	C2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works - Retaining wall	- Part retained - Part Removed	- Remove hedge as indicated on Tree Retention, Removal and Demolition Plan to retain the eastern end - Retained section protected as detailed within this report and as shown on the Tree Protection Plan - Continue annual trimming of retained section
H14	Hornbeam	C2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works - Retaining wall	Retained	- Protected as detailed within this report and as shown on the Tree Protection Plan - Continue annual trimming
H15	Hornbeam	C2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works	Retained	- Protected as detailed within this report and as shown on the Tree Protection Plan - Continue annual trimming
H16	Hornbeam	C2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works	Retained	- Protected as detailed within this report and as shown on the Tree Protection Plan - Continue annual trimming
H17	Hornbeam	B2	Under footprint of proposals	Removed	Replacement planting
H18	Hornbeam	B2	Under footprint of proposals	Removed	Replacement planting
H19	Hornbeam	B2	Under footprint of proposals	Removed	Replacement planting
H20	Hornbeam	B2	Under footprint of proposals	Removed	Replacement planting
H21	Hornbeam	B2	Under footprint of proposals	Removed	Replacement planting
H22	Hornbeam	B2	Under footprint of proposals	Removed	Replacement planting
H23	Hornbeam	B2	Under footprint of proposals	Removed	Replacement planting
H24	Hornbeam	B2	Under footprint of proposals	Removed	Replacement planting

PART 1

ARBORICULTURAL IMPLICATIONS ASSESSMENT

Tree No.	Species	BS 5837: 2012 Cat	Potential cause of harm	Implication	Mitigation
H25	Hornbeam	B2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Removal of container units	Retained	- Protected as detailed within this report and as shown on the Tree Protection Plan - Continue annual trimming

Table 2: Specific arboricultural implications for the 132kV option

Tree No.	Species	BS 5837: 2012 Cat	Potential cause of harm	Implication	Mitigation
33	Pin Oak <i>Quercus palustris</i>	B1+2	- Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works - Retaining wall	Removed	Replacement planting
34	Pin Oak <i>Quercus palustris</i>	B1+2	Under footprint of proposals	Removed	Replacement planting
36	Himalayan Birch <i>Betula utilis</i>	B1+2	Under footprint of proposals	Removed	Replacement planting
37	Holm Oak <i>Quercus ilex</i>	C1+2	Under footprint of proposals	Removed	Replacement planting
Grp 1	Hornbeam	C2	- Partly under footprint of development - Material delivery, storage and mixing - Contractor parking and movements - Removal of hard surfacing - Soft landscaping works - Utility works	Removed	Replacement planting

Table 3: Comparison of tree retention and removal for both substation options (33kV and 132kV)

	Substation option 33kV Retained	Substation option 132kV Retained	Substation option 33kV Removed	Substation option 132kV Removed
Individual trees	56	52	75	79
Groups	8	7	10	11
Hedges	5 + 2 in part	5 + 2 in part	18 + 2 in part	18 + 2 in part

7.4 In summary, the larger 132kV substation proposal would require the removal of 4 more individual trees and 1 group compared to the 33kV option.

PART 2

ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS

8.0 PRE-COMMENCEMENT SITE MEETING

- 8.1 It is recommended that a pre-commencement site meeting is held prior to any works commencing on site, to agree all approved processes advised by the arboricultural consultant, the construction personnel and Wokingham Borough Council Tree Officer. This meeting could be used to formally agree the methods of work, position of site offices, material storage, compounds, contractor parking, tree removal/retention and tree protection measures prior to commencement of the development and the associated clearance work.

9.0 SITE MONITORING AND SUPERVISION

- 9.1 It is recommended that on-going arboricultural site monitoring takes place for the duration of the proposed development, to be carried out by a qualified and experienced arboriculturist at pre-determined and agreed time intervals, and governed by the type, timing, location and intensity of site works. It is for Wokingham Borough Council to Condition site monitoring if required.
- 9.2 If Conditioned, it will take the form of regular inspections (to be agreed, but at least one visit per month during the construction phase of the development is advised, together with additional visits to supervise works with the CEZ of retained tree/s), the aim of the visits is to maintain on-going liaison with all personnel involved in the site development, Wokingham Borough Council and its Tree Officer. Or it may be appropriate to have site monitoring completed by the appointed contractor taking photographs of the tree protection up demonstrating that the protection is correctly positioned and maintained, these can then be sent to the retained arboricultural consultant for review before submitting to Wokingham Borough Council.
- 9.3 Any defects requiring rectification shall be notified to the Contractor/Site Manager and the client.
- 9.4 In addition, a site logbook for tree protection measures is kept recording all stages of the development from the erection of the protective barriers, right through to the completion of the project. This will be made available to the arboricultural consultant and Wokingham Borough Council if required, to show evidence of continuous site monitoring.

Example pro-forma:

Date	Activity	Checked	Comments/ damage noted	By whom	Signed	Action taken
	Tree removal					
	Erection of protective barriers					
	Inspection of protective barriers					
	Demolition works					
	Hard surface removal works					

PART 2

ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS

	Retaining wall works					
--	----------------------	--	--	--	--	--

- 9.5 The Wokingham Borough Council Tree Officer (or appropriate representative) will have agreed access to the site and will report on any problem areas directly to the developer's retained arboriculturist, who will then visit the site and make recommendations to the developer on how best to rectify the situation and ensure the implementation.

10.0 ADDITIONAL ARBORICULTURAL ADVICE FOR SITE PERSONNEL

- 10.1 To provide site personnel with additional information regarding the requirements of Tree Protection, a leaflet (appended at CB5) shall be issued to all staff at the time of their site induction. Spare copies of this leaflet shall be available in the site office as replacements.
- 10.2 In order to inform site personnel of the purpose of the barriers, information notices shall be fixed to the barriers at 5m intervals. These notices shall be of all-weather construction and shall be in the form of the specimen provided at appendix CB5 and replaced as and when necessary.

11.0 PRE-DEVELOPMENT TREE WORKS

- 11.1 All tree works will be undertaken prior to the commencement of site preparation and construction works for the preferred option once full planning permission has been granted and any detail for planning conditions have been agreed with the Planning Case Officer/Tree Officer of Wokingham Borough Council.
- 11.2 **All permitted or approved tree work** should be carried out in accordance with the British Standard "*Recommendations for Tree Work*" BS3998:2010, by suitably qualified and experienced professional arborists. Under no circumstances shall site personnel undertake any tree pruning operations. All tree surgery works should be carried out prior to the development of the site, and erection of protective barriers.
- 11.3 Consideration should be given to the timing of any tree works to avoid the active growing period of trees. Therefore, all remedial tree work should ideally be carried out during the dormant period from November through to February and then again from June to August.
- 11.4 Due to the bird-nesting season, considered to be from 1st March through to the 31st July (Natural England) depending on weather conditions, consideration must also be given to the potential for nesting birds. It is advised that, where tree work is to be carried out within these months that an ecologist be consulted to:
- Complete or advise on a pre-works survey that needs to be carried out by a suitably competent person. As a general rule, it should be assumed that birds will be nesting in trees, and it is down to contractors to assess, record and confirm that any works carried out in the management of trees and other vegetation has not disturbed actively nesting birds.

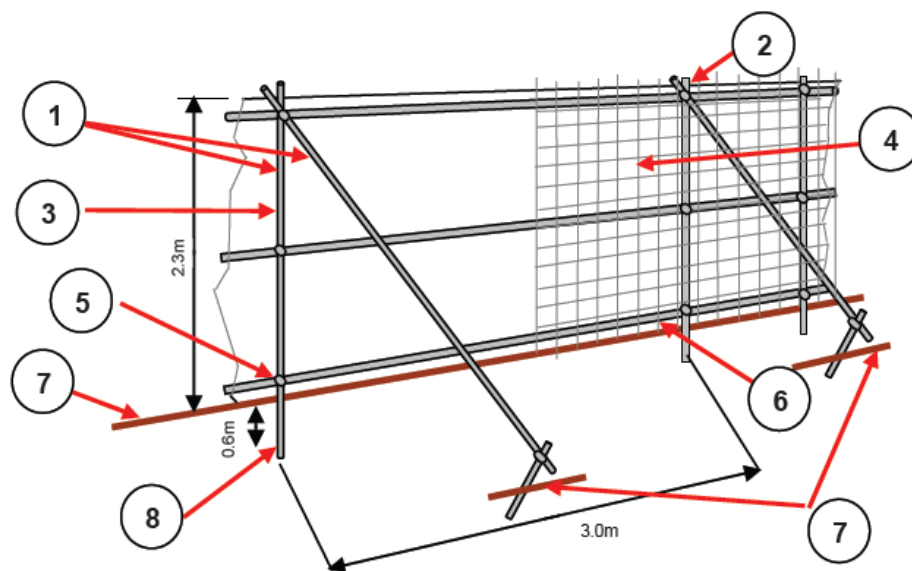
- Ground vegetation, and therefore ground nesting birds, can often be overlooked by tree workers so additional care and controls should be taken when access and egress to the work site may also cause disturbance or damage to a nesting site. This is also true for retained trees on site as the removal of adjacent trees or remedial works on a tree may lead to an established nest being abandoned, exposed to the elements or predation. This action is also a breach of the Act and therefore could lead to prosecution due to the infringement of the Wildlife and Countryside Act 1981 and breaching the Conservation of Habitats and Species Regulations 2010 (as amended).
- 11.5 It is understood that a full bat survey has been carried out by a suitably qualified ecologist. All permitted and approved tree work and tree removal must be guided by the advice provided in their report.
- 11.6 Should additional tree works become apparent during the construction process, written consent will be required from Wokingham Borough Council tree team prior to these additional works being undertaken.
- 11.7 All tree works that are required to facilitate the development are detailed within the Tree Works Schedule appended at CB4.

12.0 TREE PROTECTION MEASURES

- 12.1 All site operations will be planned, implemented and supervised to prevent the following unless otherwise agreed within this report:
- Unplanned root severance
 - Damage to the bark, branches and trunks
 - Compaction of the soil within the Construction Exclusion Zone
 - Unplanned alterations in soil levels
 - Soil contamination by phytotoxic materials such as herbicides, petrol, oils, diesel, cement and concrete washings or other construction additives
- 12.2 Before starting any site works in relation to this development proposal, tree protection will be installed in accordance with Tree Protection Plan CBA11989.03A CONS TPP (33KV) for the 33kV substation option and CBA1198.05 CONS TPP (132kv) for the 132kV substation option (appended at CB3). This will occur immediately following the completion of tree works and prior to any site preparation works starting.
- 12.3 A copy of the Tree Protection Plans CBA11989.02A TRRP (33KV) and CBA11989.03A CONS TPP (33KV) for the 33kV substation option and CBA11989.04 TRRP (132kv) and CBA1198.05 CONS TPP (132kv) for the 132kV substation option will be displayed in the site office and canteen as a point of reference for all site operatives if these are to be set up on site or the contractor and client will ensure a copy of the plan and report are available on site during working hours.
- 12.4 Tree protection barriers will remain *in-situ* for the duration of the project with the ground protection measures being retained for the duration of all external works.

- 12.5 The protected areas (either by barriers or ground protection) will be regarded as **sacrosanct**, and the tree protective barriers shall not be taken down or relocated at any time without the written approval of the Planning Case Officer/Tree Officer of Wokingham Borough Council during works that relate to the planning consent. An example of a CEZ notice is appended at CB5.
- 12.6 The tree protection barrier will follow the principles as set out in BS5837:2012. The barrier is to be robust where it (the barrier) is resistant to impact and requires a positive or considered movement/adjustment by contractors of the barrier to adjust its position. For this site, a mix of tree protection barriers may be appropriate to account for the ground conditions.
- The barrier is to comprise of a vertical and horizontal framework, well braced to resist impacts, with vertical tubes spaced at a maximum interval of 3m. Onto this, weld mesh panels should be securely fixed with wire or scaffold clamps (see Figure 1 below).

Figure 1: Protective Barrier



1. Standard scaffold poles
2. Uprights to be driven into the ground
3. Panels secured to uprights with wire ties and where necessary standard scaffold clamps
4. Weldmesh wired to the uprights and horizontals
5. Standard clamps
6. Wire twisted and secured on inside face of barriers to avoid easy dismantling
7. Ground level
8. Approximately 0.6m driven into the ground

PART 2

ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS

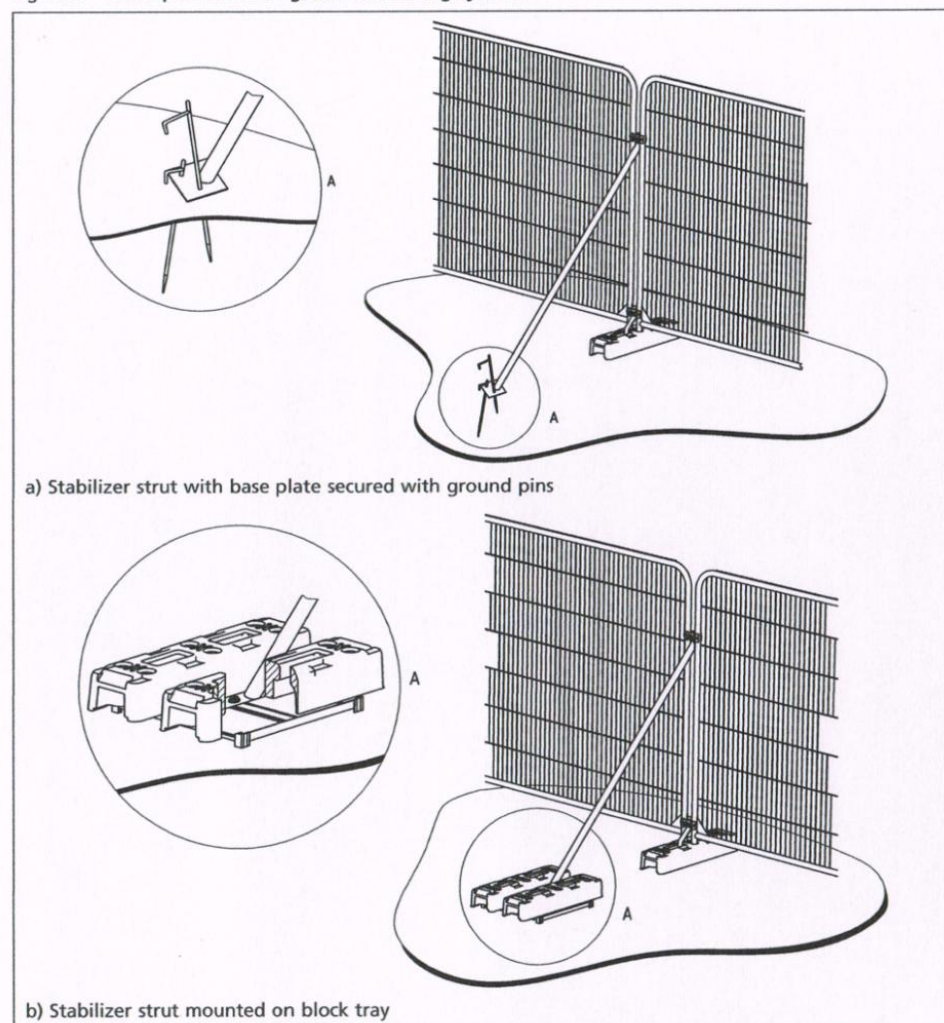
Example of protective barriers:



- The barrier will consist of weld mesh panels on rubber or concrete feet that are pinned into position with supporting struts. The weld mesh panels will be coupled together with clasps fastened from the inside (see Figure 2 below).

Figure 2: Alternative tree protection barrier example as recommended by BS5837:2012

Figure 3 Examples of above-ground stabilizing systems

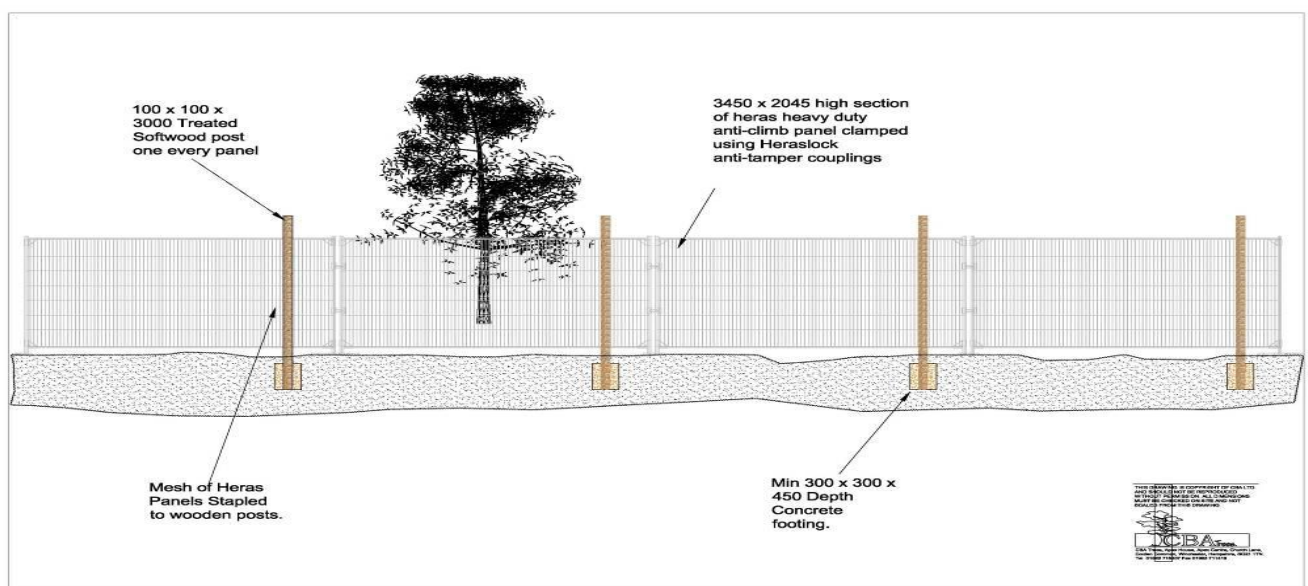


PART 2

ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS

- The barrier will consist of 100mm x 100mm wooden posts concreted or driven into the ground supporting weld mesh panels. The fence will consist of weld mesh panels supported by one 100mm x 100mm x 3000mm post per panel. Posts will be concreted in position (see Figure 3 below).
- The barrier will consist of 100mm x 100mm wooden posts driven securely into the ground supporting 18mm plyboard or OSB board sheets (typical of development site hoarding). Within this barrier a gate/doorway access point for pedestrian use would be required to allow for a site assessment beyond the barrier.

Figure 3: An example of a different specification of fit for purpose tree protection barrier



- 12.7 Tree protection measures will remain *in-situ* for the duration of the project. The areas protected by barriers and ground protection will be regarded as **sacrosanct**, and the tree protective barriers shall not be taken down or relocated at any time without the prior written approval of the Tree Officer of Wokingham Borough Council. When the works commence to start removing the existing hard surfacing, sections of the tree protection barrier can be temporarily taken down to allow for limited contractor access.

13.0 REPORT DAMAGE TO TREES AND TREE PROTECTION BARRIERS

- 13.1 Should any damage be caused to the trees, groups or hedge noted for retention, either by the above works or as the result of any other action, the damage should be reported to the site supervisor immediately. The site supervisor shall report up the chain of responsibility to the retained consultant arboriculturist, or in the absence of such an appointment, to an appropriately qualified arboriculturist, to enable remedial measures to be implemented as necessary and as agreed with the Wokingham Borough Council's Tree Officer.

PART 2

ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS

- 13.2 Should damage occur to a protective barrier to impair its function in protecting the trees and groups, all work will cease near the damage, until the barrier has been returned to standard.

14.0 AVOIDING DAMAGE TO STEMS AND BRANCHES

- 14.1 Care shall be taken when planning site operations, to ensure that wide, tall loads or plant with booms, jibs and counterweights can operate without coming into contact with retained trees, groups or the hedge. Such contact could result in serious damage to them and might make their safe retention impossible. Consequently, any transit or traverse of plant in close proximity to trees, will be conducted under the supervision of a banksman, in order to ensure adequate clearance from trees, groups or the hedge is maintained at all times.

15.0 EXISTING SERVICES

- 15.1 Limited detailed information has been provided on the location and size of all existing services within the site.
- 15.2 It is thought that services are present within and adjacent to the site given the relatively modern build.
- 15.3 However, if there are any existing services within the RPA and CEZ of retained trees that are to be made redundant, these will not be chased out but cut at the edge of any structure and left *in-situ*.
- 15.4 Cabling will only be recovered from beneath a CEZ where it is located in ducting and can be removed by winching from an existing service manhole beyond the CEZ.
- 15.5 Service pipes and ducts, where they are located within the CEZ or RPA of retained trees, will be made redundant either by pipe bursting or by filling with an inert material such as foamed concrete.

16.0 VEHICULAR MOVEMENTS

- 16.1 There should be minimal vehicular movement in the potential rooting zone where the ground is soft and outside the CEZ formed by the tree protection barriers identified on Tree Protection Plans CBA11989.02A TRRP (33KV) and CBA11989.03A CONS TPP (33KV) for the 33kV substation option and CBA11989.04 TRRP (132kv) and CBA1198.05 CONS TPP (132kV) for the 132kV substation option.
- 16.2 The majority of the site is covered in hard standing and this should be utilised for demolition works and the retaining wall works and only removed where trees, groups and hedges are being retained with the soft landscaping improvement works when construction activity is lower or is confirmed as no further access is required other than for the soft landscaping works.

17.0 SITING OF TEMPORARY OFFICES, TOILETS AND MATERIAL STORAGE COMPOUNDS

- 17.1 It is anticipated that all storage of materials and deliveries will make use of the existing site access points and areas within the site that are away from the retained trees, groups and hedge to avoid unnecessary damage to tree roots once created. Planning of the site compound available for site offices, contractor parking and material storage/mixing and therefore this report must be made available to all interested parties at the tender stage so that they are fully aware of the restrictions of space on site and account for this in their costings, programming of works and site management to avoid damage to trees or their rooting environments.
- 17.2 The locations shall be agreed in writing with the Planning Case Officer/Tree Officer of Wokingham Borough Council prior to the commencement of works on site and will remain in only those agreed locations throughout the construction phases. If an alternative location is required, this must be agreed in writing with the Planning Case Officer/Tree Officer of Wokingham Borough Council. This will also include the delivery, storage and movement of all essential facilities, as well as aspects such as temporary contractor vehicle parking and site location of chemical mixing (e.g. concrete). All such locations will be outside of the RPAs and avoid areas where 'run off' of chemicals may flow into RPAs.

18.0 GENERAL CONSIDERATIONS WITHIN AND OUTSIDE THE CONSTRUCTION EXCLUSION ZONE (CEZ)

- 18.1 Inside the CEZ formed by the tree protective measures, the following prohibitions shall apply:
- No construction activity will occur within the CEZ unless otherwise stated in this report or agreed in writing with the Planning Case Officer/Tree Officer of Wokingham Borough Council prior to the specific activity taking place.
- 18.2 In addition to the above, further precautions are necessary adjacent to trees outside the CEZ:
- Materials which will contaminate the soil e.g. concrete mixing, diesel oil and vehicle washings, shall not be discharged within 10 metres of the tree stem. This should take into consideration the topography of the site and slopes, to avoid materials such as concrete washings running towards trees.
 - Fires shall not be lit in a position where their flames can extend to within 5 metres of foliage, branches or trunk. This will depend on the size of the fire and the wind direction.
 - Notice boards, telephone cables or other services shall not be attached to any part of the tree (see appendix CB5 Common Causes of Damage During Construction Works).

19.0 DEMOLITION

- 19.1 Demolition of existing built form and surface structures will be carried out so as to prevent damage to existing retained trees, groups and hedges.
- 19.2 Demolition of the structures in close proximity to the retained trees must be done with due care and attention, in order to adequately respect overhanging canopies of all retained trees. To this end, the following rules will apply:
- Site personnel are to undergo an induction session prior to being allowed to work on site. The induction will introduce the contractors to the requirements of the Protection Method Statement. A copy of the Method Statement will be made available as a point of reference in respect of tree protection requirements. In addition, a copy of the Tree Protection Plans will be provided or pinned up in the site hut. During the induction, trees which are to be retained and protected will be highlighted to the demolition personnel and they will be physically shown which trees are to be protected on site. In this way, it is hoped that unnecessary damage, by root disturbance and collision of machinery booms and operating arms with tree crowns can be avoided.
 - All walls, foundations and basements are to be pulled in on themselves towards the centre of the site and away from retained trees. This will be done in a direction away from the tree protective barriers and all large machinery to be operated at least 2.5-3.0 metres outside the line of the tree protective fence line from where it is erected for the site preparation works.
 - Any machinery used for this purpose is to stand and operate over existing hard surfaces wherever possible, but always outside the CEZ as defined by the protective barriers.
 - Lightweight structures will be demolished and removed by hand. Work will be carried out from existing hard surface. If the structure is not served by existing hard surface ground protection will be laid in accordance with the Tree Protection Plan.
 - Where dust is created and deposited on adjacent retained trees, provision will be made to wash down the crowns of retained trees weekly to prevent excessive dust affecting the photosynthetic capacity of retained trees.

20.0 REMOVAL OF BUILT FORM AND HARD SURFACES IN CLOSE PROXIMITY TO RETAINED TREES

- 20.1 Removal of existing surfacing, built forms or other excavations within the rooting of retained trees, must be undertaken by hand (where feasible and in line with Health and Safety polices) to avoid any surface root damage, and shall be supervised on-site by the retained arboricultural consultant.
- 20.2 Any removal of hard surfacing, built form or other excavations in close proximity to trees will be undertaken by working only from the existing hard surface or protected ground area. The required work should then be completed with hand operated tools

PART 2

ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS

or appropriate machinery, but under the supervision of an arboriculturist. Any machinery or equipment to be used will need to be lightweight and run on additional ground protection, or working from the existing hard standing only.

- 20.3 Ideally a soil vac is used as this can operate from the existing hard surface and remove the surface layer and subbase whilst leaving tree roots and avoiding excavations where roots can be damaged through pulling material away.
- 20.4 All exposed roots will be covered in damp hessian sacking as the works progress and until the new topsoil is imported.
- 20.5 If the area of the zone of protection around the retained trees is to be left following the removal of the existing hard surface, and before a new hard surface is laid, or the area receives soft landscaping treatment, then ground/tree protection **MUST** be correctly re-established immediately the hard surface removal work has been completed to limit further contractor access.
- 20.6 If there is a delay, for whatever reason, and the area that was previously protected by hard surfacing is left exposed awaiting a new surface, a temporary surface must be implemented, and/or Hessian sacking must be placed over any exposed roots.

21.0 GROUND LEVEL ALTERATIONS

- 21.1 There will be no increases or decreases to the natural ground levels within the root protection areas of the retained trees, groups or hedges unless otherwise stated within this report.

22.0 RETAINING WALL

- 22.1 A retaining wall has been located to reduce the impact on retained trees, groups and hedges and extent of ground level changes throughout the site.
- 22.2 Construction details are not yet available for the retaining wall that will be required, but this will be engineer designed, assessed by the retained arboricultural consultant and submitted for approval in writing to Wokingham Borough Council Planning Officer and Tree Officer prior to the commencement of works on site.
- 22.3 The principle will be that a vertical cut will be used with no battering back of soils to reduce the impact on the trees, groups and hedges.

23.0 UTILITY SERVICE CONNECTIONS

- 23.1 Full details of service location proposals have not been forwarded to CBA Trees at the time of compiling this assessment.
- 23.2 To ensure that services such as electric, gas, water (main, surface and foul) and communications do not interfere with retained trees, groups or the hedge they will need to be designed and positioned to minimise and avoid root protection areas where possible.

24.0 REMOVAL OF PROTECTIVE MEASURES

- 24.1 When the ground works and external construction phases of the site works are complete and all site machinery has been removed; the tree protection measures will be dismantled and removed from site.
- 24.2 This barrier dismantling must be undertaken with great care to avoid heavy machinery being used within the Root Protection Areas. Scaffolding and other barrier materials will need to be removed from site immediately.

25.0 LANDSCAPING WORKS

- 25.1 All soft landscaping works within the development area will be in accordance with the approved landscape plan, and any specification of such works approved by the Wokingham Borough Council.
- 25.2 Landscaping proposals will accord with following requirements:
- Where landscaping works are to be carried out within the rooting areas of trees after the main phase of construction has been completed, it will be necessary to alter the line of/remove protective barriers to facilitate the landscaping works.
 - The construction exclusion zone will remain off limits for all site plant and machinery unless fit for purpose ground protection is installed. Pedestrian traffic must be kept to an absolute minimum only permitted for the ground preparation and landscape installation works
 - The landscaping works will need to be undertaken in such a way as to avoid level changes, deep digging or mechanical rotovating. Excavation of planting pits with the RPA can cause serious harm the root system of retained trees. Planting pits within the RPA of retained trees will be excavated by hand to avoid roots greater than 25mm and masses of smaller roots.



Figure 2: Root severance as a result of planting within RPA

Planting Trees and Shrubs. Watson G. W. and Himelick E. B. 1997

25.3 Installation of turf within the CEZ will require that:

- In all cases, existing vegetation will be removed to ground level by hand following treatment with a suitable systemic herbicide which is not toxic to existing retained trees. This prevents the build-up of methane formed as part of the composition process.
- Stumps will be ground out to 300mm below ground level and resulting holes filled with sharp horticultural sand to provide a stable base for laying of the new turf.

25.4 Any surface mulch will consist of well-composted material such as bark or wood chips. This is necessary to avoid potential nutrient loss from the soil, such as Nitrogen, as the mulch breaks down, as nutrient loss can be detrimental to the health and longevity of retained trees.

26.0 CONCLUSIONS

26.1 There is a redevelopment proposal for the provision of a data centre at the Microsoft Site, Thames Valley Data Centre, Sonning, Reading, RG6 1WG; the proposals have been assessed broadly in accordance with BS5837:2012 *"Trees in Relation to Design, Demolition and Construction – Recommendations"*.

26.2 The two options for the 33kV substation and the 132kV substation would require the following tree, group and hedge removals and retentions:

33kV Substation Option:

- Of the 131 individual trees, there are 75 trees detailed to be removed, and 56 trees detailed as retained.
- Of the 19 groups, there are 10 groups detailed to be removed, 8 groups detailed as retained and 1 group that is part removed and part retained.
- Of the 25 hedges, there are 18 hedges detailed to be removed, 5 hedges detailed as retained and 2 hedges that are part removed and part retained.

132kV Substation Option:

- Of the 131 individual trees, there are 79 trees detailed to be removed, and 52 trees detailed as retained. An increase in 4 individual trees to be removed compared to the 33kV substation option
- Of the 19 groups, there are 11 groups detailed to be removed, 7 groups detailed as retained and 1 group that is part removed and part retained. An increase in 1 group to be removed compared to the 33kV substation option
- Of the 25 hedges, there are 18 hedges detailed to be removed, 5 hedges detailed as retained and 2 hedges that are part removed and part retained. There is no difference in hedge removals between the two substation options.

26.3 The larger 132kV substation proposal would require the removal of 4 more individual trees and 1 group compared to the 33kV option.

PART 2

ARBORICULTURAL / CONSTRUCTION METHOD STATEMENTS

- 26.4 Whilst there is a significant number of trees to be removed, the trees removed are of the original landscaping planting for the site with the majority being of low and poor quality. The proposal retains the visually more important and established trees around the perimeter of the site; the legally protected trees are retained and the local conditions on site near to these trees is returned to soft landscaping.
- 26.5 It is our view that the loss of the trees, groups and hedges will not significantly impact on the visual tree'd aspect of the site from a public viewpoint and that the project has sought to retain the better quality and visually important trees where possible whilst providing a comprehensive layout.
- 26.6 The proposed soft landscaping will provide for replacement trees, increased species diversity, ecological interest and increase the ecological habitat opportunities on site and in time, once established, provide for a visually more interesting tree'd area.
- 26.7 The trees, groups and hedges identified for retention can be afforded due respect and provided adequate protection, ensuring their safe and healthy retention during the development process with appropriate and suitable planning conditions.

27.0 CONTACT LIST

- 27.1 It is suggested that points of contact and lines of communication are established prior to commencement of the works on site including:
- Arboricultural Consultant
 - Project Architect
 - Wokingham Borough Council's Tree Officer
 - Wokingham Borough Council's Planning Case Officer
 - Site Supervisor and Foreman
- 27.2 It is advised that the site supervisor establishes their own listing of contact details at the pre-start site meeting and displays this in their office for general use as necessary.

28.0 BIBLIOGRAPHY

- British Standard 5837:2012 –
"Trees in Relation to Design, Demolition and Construction - Recommendations"
- British Standard 3998:2010 –
"Recommendations for Tree Work"
- National Joint Utilities Group Publication Volume 4 –
"Guidelines for the planning, installation and maintenance of utility services in proximity to trees"
- Wildlife and Countryside Act 1981
- Conservation of Habitats and Species Regulations 2010 (as amended)
- Town and Country Planning Acts





	TREE SURVEY REPORT (BS5837:2012)	
	Site:	Thames Valley Data Centre
	Date:	15th and 16th April 2026
	Consultant:	Stefan Rose <i>BSc (Hons), TechCert (Arbor A), TechArbor.A</i>
	Tagged:	No

Notes:

1. It may be advised that some trees should have the ivy removed to enable a re-survey to be carried out. This would also alleviate the tree from becoming suppressed; carrying additional weight that increases the chance of windthrow due to a larger dense crown area; and only receiving restricted light. Unless otherwise stated, in order to prevent regrowth, it is only necessary to remove a 300mm section of ivy and clear around the base.
2. It may be advised that it was only possible to estimate the diameter of some trees because of ivy smothering, dense vegetation, or trees located off-site with no access.
3. The estimated remaining contribution in years, and the tree grading category have been calculated for the current situation and may alter where further investigation works are advised.
4. Some trees or groups may have been given an interim grade. The reason for the interim grading is addressed in the timescales given as this may have a bearing on health and safety and/or any development proposals.
5. Tree Groups have been assessed with estimated and representative data.
6. This is not a Tree Works Schedule. Any preliminary management recommendations are listed in the interests of health and safety and should be carried out by a prudent tree owner.
7. Any management recommendations are suggested for reasons of health and safety only, regardless of development proposals at this stage. However, the defects requiring remedial tree surgery are by their very nature potential wildlife habitats, including protected species which needs consideration prior to any tree surgery works commencing.
8. The data collected and any advice provided within this report is supplied in the interests of sound arboricultural management. Trees are a living dynamic organism that can be affected by external conditions (high winds, storms, snow, heavy rain or drought) and may occasionally fail without warning. It is therefore not possible to state with any certainty that any tree or group of trees is completely safe. The condition of a tree or group of trees can change rapidly as a result of external factors; we would advise that the occupier/ owners inspect the trees at least every 12 months or following periods of extreme weather and where concerns are raised relating to tree health that would be considered beyond the knowledge of a layperson, further arboricultural advice should be sought.

TREE PRESERVATION ORDER / CONSERVATION AREA STATUS:
The interactive mapping facility on the Wokingham Borough Council website indicates that the site does not lie within a Conservation Area. Several trees within Grp 3 are protected by a Tree Preservation Order on adjacent land relating to 'Trees on land at "Little Gogs" Sonning, with reference TPO 0304/1986 T1 to T4 and W1.

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
1	Holm Oak <i>Quercus ilex</i>	4	MS<5	80	1.0	1.0	1.5	1.0	0.0	0.0	0.0	0.0	SM	Good	Fair Trifurcated at ground level Leans and weighted south Developing tree Low hanging branches	No work required at time of survey	10+	C1+2
2	Silver Birch <i>Betula pendula</i>	7	S	110	2.0	2.0	2.0	1.5	1.0	1.0	1.0	1.0	SM	Good	Fair Developing tree Low hanging branches	No work required at time of survey	40+	C1+2
3	Pin Oak <i>Quercus palustris</i>	13	S	340	4.0	4.0	4.5	4.0	2.0	2.0	2.0	2.0	SM	Good	Fair Old pruning wounds on trunk Multi-stemmed at 5.5m above ground level Minor deadwood in crown	No work required at time of survey	40+	B1+2
4	Pin Oak <i>Quercus palustris</i>	11	S	390	7.0	7.5	7.0	6.0	2.0	3.0	2.0	2.0	SM	Good	Fair Dense shrubs at base limit survey Low hanging branches Minor deadwood in crown	No work required at time of survey	40+	B1+2
5	Pin Oak <i>Quercus palustris</i>	10	S	300	5.0	4.0	5.5	5.0	2.0	2.0	2.0	2.0	SM	Good	Fair Dense shrubs at base limit survey Low hanging branches Minor deadwood in crown	No work required at time of survey	40+	B1+2
6	Pin Oak <i>Quercus palustris</i>	9	S	230	3.5	3.0	3.5	3.0	2.5	2.0	2.0	2.0	SM	Good	Fair Dense shrubs at base limit survey Low hanging branches Minor deadwood in crown Tight fork with included bark at 2.5m above ground level Multi-stemmed at 2.5m above ground level	No work required at time of survey	40+	B1+2
7	Pin Oak <i>Quercus palustris</i>	10	S	270	4.0	4.5	5.0	4.5	2.0	2.0	2.0	2.0	SM	Good	Fair Dense shrubs at base limit survey Low hanging branches Minor deadwood in crown Central leader historically lost	No work required at time of survey	40+	B1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
8	Pin Oak <i>Quercus palustris</i>	9	S	260	3.0	4.0	4.0	3.5	3.0	2.5	2.0	2.0	SM	Good	Fair Dense shrubs at base limit survey Decay in central leader	Prune out wound/ decay in central leader	20+	C1+2
9	Himalayan Birch <i>Betula utilis</i>	8	S	Est 160	2.5	3.5	2.5	3.0	2.0	2.5	2.0	3.0	SM	Good	Fair Offsite Unable to verify health and safety due to no access Part of linear group Low hanging branches Crown shape distorted due to group pressure	No work required at time of survey	20+	B1+2
10	Himalayan Birch <i>Betula utilis</i>	11	S	Est 220	3.0	4.0	3.5	3.5	2.0	2.0	2.0	2.5	SM	Good	Fair Offsite Unable to verify health and safety due to no access Part of linear group Low hanging branches Crown shape distorted due to group pressure Multi-stemmed by 2.4m above ground level	No work required at time of survey	20+	B1+2
11	Himalayan Birch <i>Betula utilis</i>	9	S	Est 160	2.0	2.5	2.5	2.0	3.0	2.0	1.5	3.0	SM	Good	Fair Offsite Unable to verify health and safety due to no access Part of linear group Low hanging branches Crown shape distorted due to group pressure Bark wound at base of trunk on west side Minor deadwood in crown	No work required at time of survey	10+	C1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
12	Himalayan Birch <i>Betula utilis</i>	10	S	Est 140	3.0	3.0	3.0	2.5	2.5	2.5	3.0	2.5	SM	Good	Fair Offsite Unable to verify health and safety due to no access Part of linear group Low hanging branches Crown shape distorted due to group pressure Growing on bank	No work required at time of survey	20+	B1+2
13	Himalayan Birch <i>Betula utilis</i>	11	S	210	3.0	3.5	4.0	3.0	3.0	3.0	2.5	3.0	SM	Good	Fair Offsite Unable to verify health and safety due to no access Part of linear group Low hanging branches Crown shape distorted due to group pressure Growing on bank	No work required at time of survey	20+	B1+2
14	Himalayan Birch <i>Betula utilis</i>	8	S	140	2.0	2.0	2.5	2.5	2.5	2.5	2.5	2.5	SM	Good	Fair Multi-stemmed by 2m above ground level Part of linear group	No work required at time of survey	20+	B1+2
15	Himalayan Birch <i>Betula utilis</i>	10	S	150	2.5	2.5	2.0	3.0	3.0	2.5	3.0	3.0	SM	Good	Fair Part of linear group Branches touch building	No work required at time of survey	20+	B1+2
16	Himalayan Birch <i>Betula utilis</i>	9	S	170	2.0	2.0	3.0	3.0	2.5	2.5	2.5	2.5	SM	Good	Fair Part of linear group Bifurcated at 2m above ground level Tight fork with included bark Branch tear wound in crown	No work required at time of survey	20+	B1+2
17	Himalayan Birch <i>Betula utilis</i>	9	S	180	3.0	3.5	2.5	3.0	2.0	2.5	3.0	2.0	SM	Good	Fair Part of linear group Crown shape distorted due to group pressure Weighted north Growing on bank	No work required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/ Multi- Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio- logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
18	Himalayan Birch <i>Betula utilis</i>	8	S	210	3.0	2.5	3.0	3.5	2.5	2.5	2.5	2.5	SM	Good	Fair Part of linear group Bifurcated at 2m above ground level Tight fork with included bark Growing on bank	No work required at time of survey	20+	B1+2
19	Himalayan Birch <i>Betula utilis</i>	8	S	160	2.5	2.5	2.0	2.5	3.0	3.0	2.0	2.5	SM	Good	Fair Part of linear group Growing on bank	No work required at time of survey	20+	B1+2
20	Silver Birch <i>Betula pendula</i>	9	S	150	1.5	1.5	2.0	2.0	3.0	3.0	1.5	1.0	SM	Fair	Fair Bifurcated at 4.5m above ground level Western trunk has apical dieback forming Minor deadwood in crown Low hanging branches on west side	No work required at time of survey	10+	C1+2
21	Himalayan Birch <i>Betula utilis</i>	8	S	170	3.0	2.5	2.0	3.0	3.0	3.0	3.5	3.0	SM	Good	Fair Growing on bank Minor deadwood in crown Old pruning wounds in crown Bifurcated at 2m above ground level	No work required at time of survey	20+	C1+2
22	Pedunculate Oak <i>Quercus robur</i>	3	S	100	2.5	2.5	3.0	2.5	1.0	1.0	1.0	1.0	Y	Good	Fair Growing on bank Multi-stemmed at 1m above ground level Low hanging branches Historically topped	No work required at time of survey	10+	C1
23	Pin Oak <i>Quercus palustris</i>	7	S	190	4.0	4.0	4.0	4.0	2.0	2.5	2.0	2.0	SM	Good	Fair Growing in car park setting Low hanging branches Old pruning wounds on trunk	No work required at time of survey	20+	B2
24	Pin Oak <i>Quercus palustris</i>	6	S	130	2.0	2.5	2.5	2.0	2.0	1.5	2.0	2.0	SM	Good	Fair Growing in car park setting Low hanging branches Old pruning wounds on trunk and in crown	No work required at time of survey	20+	C1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
25	Flowering Cherry <i>Prunus spp</i>	4	S	Est 120	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5	SM	Fair	Fair Growing in car park setting Growing on bank Hedging limits survey Central leader historically removed Old pruning wounds in crown Low hanging branches	No work required at time of survey	10+	C1+2
26	Flowering Cherry <i>Prunus spp</i>	5	S	Est 100	1.5	1.5	1.5	1.5	2.5	2.5	3.0	2.5	SM	Poor	Fair Growing in car park setting Growing on bank Hedging limits survey Apical dieback Low hanging branches	Advise removal	<10	U
27	Flowering Cherry <i>Prunus spp</i>	6	S	Est 180	3.0	4.0	2.0	3.0	2.0	3.0	2.5	2.0	SM	Poor	Fair Growing in car park setting Growing on bank Hedging limits survey Apical dieback Low hanging branches	Advise removal	<10	U
28	Pin Oak <i>Quercus palustris</i>	9	S	210	2.5	2.5	3.5	2.5	3.0	3.0	2.5	3.0	SM	Good	Fair Growing in car park setting Old pruning wounds on trunk Low hanging branches	No work required at time of survey	20+	B1+2
29	Pin Oak <i>Quercus palustris</i>	9	S	220	3.0	3.0	3.5	2.5	2.0	2.0	3.0	2.0	SM	Good	Fair Growing in car park setting Old pruning wounds on trunk Low hanging branches Bifurcated at 5m above ground level	No work required at time of survey	20+	B1+2
30	Pin Oak <i>Quercus palustris</i>	9	S	210	3.5	4.0	3.0	3.5	2.0	2.5	2.0	2.0	SM	Good	Fair Growing in car park setting Growing on bank Old pruning wounds on trunk Low hanging branches	No work required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
31	Pin Oak <i>Quercus palustris</i>	8	S	200	4.0	3.5	3.0	3.0	2.0	2.5	2.0	2.0	SM	Good	Fair Growing in car park setting Growing on bank Old pruning wounds on trunk Low hanging branches	No work required at time of survey	20+	B1+2
32	Pin Oak <i>Quercus palustris</i>	8	S	210	4.0	4.0	4.0	4.0	2.0	2.0	2.0	2.5	SM	Good	Fair Growing in car park setting Growing on bank Old pruning wounds on trunk Low hanging branches	No work required at time of survey	20+	B1+2
33	Pin Oak <i>Quercus palustris</i>	7	S	230	4.0	4.5	3.0	4.0	2.5	2.5	2.0	2.5	SM	Good	Fair Growing in car park setting Growing on bank Old pruning wounds on trunk Low hanging branches	No work required at time of survey	20+	B1+2
34	Pin Oak <i>Quercus palustris</i>	9	S	220	4.0	3.0	4.0	3.0	2.0	2.0	2.5	1.5	SM	Good	Fair Growing in car park setting Old pruning wounds on trunk Low hanging branches	No work required at time of survey	20+	B1+2
35	Pear <i>Pyrus spp</i>	7	S	Est 250	2.5	2.0	3.0	3.0	2.0	2.5	2.0	2.0	SM	Fair	Fair Offsite Unable to verify health and safety due to no access Apical dieback Minor deadwood in crown Growing between car parks	No work required at time of survey	10+	C1+2
36	Himalayan Birch <i>Betula utilis</i>	8	S	Est 130	4.0	2.5	2.5	3.0	3.0	3.0	3.0	3.0	SM	Good	Fair Offsite Unable to verify health and safety due to no accessing between car parks	No work required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
37	Holm Oak <i>Quercus ilex</i>	7	MS<5	150	1.0	1.0	1.5	2.0	0.0	0.0	0.0	0.0	SM	Good	Fair Offsite Unable to verify health and safety due to no access Bifurcated at 1m above ground level Basal suckers Low hanging branches Weighted south Growing between car parks	No work required at time of survey	20+	C1+2
38	Goat Willow <i>Salix caprea</i>	5	MS>6	90	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	SM	Good	Fair Multi-stemmed by 1m above ground level Natural regeneration Growing at base of street light	Remove to allow street light to fully function	10+	C1
39	Flowering Cherry <i>Prunus spp</i>	6	S	180	2.5	2.0	3.5	2.5	2.0	2.0	2.0	2.0	SM	Fair	Fair Growing within car park setting Old pruning wounds on trunk and in crown Minor deadwood in crown Apical dieback forming	No work required at time of survey	10+	C1+2
40	Flowering Cherry <i>Prunus spp</i>	7	S	220	3.0	3.5	3.0	3.0	2.0	2.0	2.0	2.0	SM	Fair	Fair Growing within car park setting Old pruning wounds on trunk and in crown Branch tear wound in crown on south side of trunk at 3.5m above ground level	No work required at time of survey	10+	C1+2
41	Pedunculate Oak <i>Quercus robur</i>	7	MS<5	120	2.0	2.0	1.0	2.0	2.5	2.0	3.0	3.0	SM	Fair	Fair Bifurcated at ground level Tight fork with included bark Crown shape distorted due to group pressure Old pruning wounds on trunk	No work required at time of survey	10+	C1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
42	Flowering Cherry <i>Prunus spp</i>	5	S	170	1.5	2.0	1.5	2.0	2.0	2.0	2.0	2.0	SM	Fair	Fair Growing within car park park setting Growing on bank Old pruning wounds on trunk and in crown Central leader previously topped Hedging limits survey	No work required at time of survey	10+	C1+2
43	Flowering Cherry <i>Prunus spp</i>	4	S	120	1.0	2.0	1.5	1.0	2.5	2.5	2.5	2.5	SM	Fair	Fair Growing within car park setting Growing on bank Old pruning wounds on trunk and in crown Central leader previously topped Minor deadwood in crown Hedging limits survey	No work required at time of survey	10+	C1+2
44	Flowering Cherry <i>Prunus spp</i>	5	S	160	2.5	2.5	3.0	3.0	2.0	2.0	2.0	2.0	SM	Fair	Fair Growing within car park setting Growing on bank Old pruning wounds on trunk and in crown Central leader previously topped Minor deadwood in crown Hedging limits survey	No work required at time of survey	10+	C1+2
45	Flowering Cherry <i>Prunus spp</i>	5	S	140	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	SM	Fair	Fair Growing within car park setting Growing on bank Old pruning wounds on trunk and in crown Central leader previously topped Minor deadwood in crown Hedging limits survey	No work required at time of survey	10+	C1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
46	Flowering Cherry <i>Prunus spp</i>	5	S	160	2.0	2.0	2.5	2.0	2.0	2.0	2.0	2.0	SM	Fair	Fair Growing within car park setting Growing on bank Old pruning wounds on trunk and in crown Central leader previously topped Minor deadwood in crown Hedging limits survey	No work required at time of survey	10+	C1+2
47	Flowering Cherry <i>Prunus spp</i>	4	S	120	2.0	2.0	2.5	2.0	2.5	2.5	2.5	2.5	SM	Fair	Fair Growing within car park setting Growing on bank Old pruning wounds on trunk and in crown Central leader previously topped Minor deadwood in crown Hedging limits survey	No work required at time of survey	10+	C1+2
48	Flowering Cherry <i>Prunus spp</i>	7	S	180	3.5	2.0	3.0	2.5	2.0	2.0	2.0	2.0	SM	Poor	Fair Growing within car park setting Old pruning wounds on trunk and in crown Apical dieback Minor deadwood in crown	Remove dieback	10+	C1+2
49	Flowering Cherry <i>Prunus spp</i>	6	S	170	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	SM	Poor	Poor Growing within car park setting Old pruning wounds on trunk and in crown Apical dieback Minor deadwood in crown Large bark wound on west side of trunk	Advise removal	<10	U

Tree No	Species	H't (m)	Single/ Multi- Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio- logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
50	Pin Oak <i>Quercus palustris</i>	8	S	220	5.0	4.0	4.0	5.0	2.5	2.0	2.0	2.5	SM	Good	Good Growing within car park setting Old pruning wounds on trunk and in crown Crown shape distorted due to group pressure Low hanging branches	No work required at time of survey	20+	B1+2
51	Pin Oak <i>Quercus palustris</i>	8	S	230	4.0	5.0	5.0	3.0	2.0	2.0	2.5	3.0	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown Crown shape distorted due to group pressure Low hanging branches	No work required at time of survey	20+	B1+2
52	Flowering Cherry <i>Prunus spp</i>	5	S	130	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	SM	Fair	Fair Growing within car park setting Growing on bank Old pruning wounds on trunk and in crown Central leader previously topped Minor deadwood in crown Hedging limits survey	No work required at time of survey	10+	C1+2
53	Flowering Cherry <i>Prunus spp</i>	5	S	160	2.5	3.0	2.0	2.5	2.0	2.0	2.0	2.0	SM	Fair	Fair Growing within car park setting Growing on bank Old pruning wounds on trunk and in crown Central leader previously topped Minor deadwood in crown Hedging limits survey Canker on trunk	No work required at time of survey	10+	C1+2

Tree No	Species	H't (m)	Single/ Multi- Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio- logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
54	Flowering Cherry <i>Prunus spp</i>	4	S	150	2.5	3.0	2.0	2.0	2.0	2.0	2.0	2.5	SM	Fair	Fair Growing within car park setting Growing on bank Old pruning wounds on trunk and in crown Central leader previously topped Hedging limits survey	No work required at time of survey	10+	C1+2
55	Flowering Cherry <i>Prunus spp</i>	4	S	160	1.5	2.0	2.5	2.0	2.5	2.5	2.5	2.5	SM	Fair	Fair Growing within car park setting Growing on bank Old pruning wounds on trunk and in crown Central leader previously topped Hedging limits survey Ivy on trunk	No work required at time of survey	10+	C1+2
56	Flowering Cherry <i>Prunus spp</i>	5	S	160	2.0	2.5	1.5	2.0	2.5	2.0	2.5	3.0	SM	Fair	Fair Growing within car park setting Old pruning wounds on trunk and in crown Central leader previously topped Hedging limits survey Minor deadwood in crown	No work required at time of survey	10+	C1+2
57	Pin Oak <i>Quercus palustris</i>	9	S	170	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown Low hanging branches	No work required at time of survey	20+	B1+2
58	Pin Oak <i>Quercus palustris</i>	10	S	200	4.0	4.0	4.0	4.0	2.5	2.5	2.0	2.5	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown Low hanging branches	No work required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/ Multi- Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio- logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
59	Pin Oak <i>Quercus palustris</i>	11	S	220	3.5	3.0	4.0	3.5	2.0	2.0	2.0	2.0	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown Low hanging branches	No work required at time of survey	20+	B1+2
60	Flowering Cherry <i>Prunus spp</i>	5	S	170	2.5	2.0	1.5	2.0	2.0	2.5	2.5	2.5	SM	Fair	Fair Growing within car park setting Old pruning wounds on trunk and in crown Central leader previously topped Apical dieback Minor deadwood in crown Hedging limits survey	No work required at time of survey	10+	C1+2
61	Flowering Cherry <i>Prunus spp</i>	5	S	170	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	SM	Fair	Fair Growing within car park setting Growing on bank Old pruning wounds on trunk and in crown Central leader previously topped Apical dieback forming Minor deadwood in crown Hedging limits survey	No work required at time of survey	10+	C1+2
62	Flowering Cherry <i>Prunus spp</i>	5	S	180	3.0	3.0	2.5	2.5	2.0	2.5	2.5	2.5	SM	Fair	Fair Growing within car park setting Growing on bank Old pruning wounds on trunk and in crown Central leader previously topped Apical dieback forming Minor deadwood in crown Hedging limits survey	No work required at time of survey	10+	C1+2

Tree No	Species	H't (m)	Single/ Multi- Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio- logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
63	Flowering Cherry <i>Prunus spp</i>	6	S	160	2.5	3.0	3.0	2.5	2.5	2.5	2.5	2.5	SM	Fair	Fair Growing within car park setting Growing on bank Old pruning wounds on trunk and in crown Central leader previously topped Apical dieback forming Minor deadwood in crown Hedging limits survey	No work required at time of survey	10+	C1+2
64	Flowering Cherry <i>Prunus spp</i>	5	S	160	2.0	2.0	2.5	2.0	3.0	2.0	2.5	3.0	SM	Fair	Fair Growing within car park setting Growing on bank Old pruning wounds on trunk and in crown Central leader previously topped Hedging limits survey	No work required at time of survey	10+	C1+2
65	Flowering Cherry <i>Prunus spp</i>	5	S	160	2.5	2.0	2.5	2.5	2.5	2.0	2.0	2.0	SM	Fair	Fair Growing within car park setting Growing on bank Old pruning wounds on trunk and in crown Central leader previously topped Hedging limits survey	No work required at time of survey	10+	C1+2
66	Pin Oak <i>Quercus palustris</i>	8	S	150	2.0	2.5	2.5	2.5	2.0	2.0	2.0	2.0	SM	Good	Fair Growing within car park setting Old pruning wound Low hanging branches	No work required at time of survey	20+	B1+2
67	Pin Oak <i>Quercus palustris</i>	9	S	220	3.0	3.5	5.0	5.0	2.0	2.0	2.0	2.0	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown Low hanging branches	No work required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
68	Pin Oak <i>Quercus palustris</i>	7	S	210	3.5	3.0	3.5	4.0	2.0	2.0	2.5	2.5	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown Low hanging branches	No work required at time of survey	20+	B1+2
69	Pin Oak <i>Quercus palustris</i>	9	S	220	3.5	3.5	5.0	5.5	2.5	3.0	2.5	2.5	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown Low hanging branches Bifurcated at 4m above ground level Decay in north trunk	Remove deadwood	10+	C1+2
70	Flowering Cherry <i>Prunus spp</i>	7	S	220	3.5	2.5	4.0	3.0	2.0	2.0	2.0	2.0	SM	Fair	Fair Growing within car park setting Old pruning wounds on trunk and in crown Growing on bank Apical dieback forming Minor deadwood in crown Low hanging branches Hedging limits survey	No work required at time of survey	10+	C1+2
71	Flowering Cherry <i>Prunus spp</i>	7	S	210	2.0	3.0	3.5	4.0	2.0	2.0	2.0	2.0	SM	Fair	Fair Growing within car park setting Old pruning wounds on trunk and in crown Growing on bank Hedging limits survey	No work required at time of survey	10+	C1+2
72	Pin Oak <i>Quercus palustris</i>	8	S	300	5.0	3.0	5.0	4.0	2.0	2.0	2.0	2.0	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown Growing on bank Hedging limits survey	No work required at time of survey	10+	C1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
73	Pin Oak <i>Quercus palustris</i>	8	S	290	5.0	4.0	5.5	5.0	2.0	2.0	2.0	2.0	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown Growing on bank Hedging limits survey	No work required at time of survey	20+	B1+2
74	Pin Oak <i>Quercus palustris</i>	10	S	210	4.0	4.0	4.0	4.5	2.0	2.5	2.0	2.0	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown	No work required at time of survey	20+	B1+2
75	Pin Oak <i>Quercus palustris</i>	10	S	180	2.5	4.0	4.0	2.0	2.0	2.0	2.0	2.0	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown	No work required at time of survey	20+	B1+2
76	Hornbeam <i>Carpinus spp</i>	7	S	Est 170	5.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0	SM	Good	Fair Growing to south of car park Unable to verify health and safety due to fencing Estimated data Weighted north	No work required at time of survey	20+	B1+2
77	Pin Oak <i>Quercus palustris</i>	9	S	300	6.0	6.0	5.0	5.0	3.0	3.0	3.0	3.0	SM	Good	Fair Growing to south of car park Bifurcated at 2.5m above ground level Old pruning wounds in crown	No work required at time of survey	20+	B1+2
78	Pin Oak <i>Quercus palustris</i>	11	S	270	4.5	4.0	5.0	4.0	3.0	3.0	3.0	3.0	SM	Good	Fair Growing to south of car park Old pruning wounds on trunk and in crown	No work required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
79	Silver Birch <i>Betula pendula</i>	9	S	130	2.5	2.5	2.5	2.5	2.0	2.0	2.0	2.0	SM	Poor	Poor Growing to south of car park Apical dieback Poor quality tree	Advise removal	<10	U
80	Silver Birch <i>Betula pendula</i>	9	S	110	2.0	3.0	2.0	2.0	2.0	1.5	1.5	2.0	SM	Poor	Poor Growing in car park setting Bark necrosis on trunk Apical dieback Poor quality tree Natural regeneration	Advise removal	<10	U
81	Pedunculate Oak <i>Quercus robur</i>	6	S	100	2.5	2.0	0.5	2.5	2.0	2.5	2.0	2.0	SM	Good	Fair Growing in car park setting Trunk and crown shape distorted due to group pressure Leans and weighted north Natural regeneration	No work required at time of survey	20+	C1+2
82	Pedunculate Oak <i>Quercus robur</i>	5	S	90	2.0	2.5	2.0	2.0	2.0	1.5	1.5	1.5	SM	Good	Fair Growing in car park setting Trifurcated at 1.3m above ground level Natural regeneration Crown shape distorted due to group pressure Weighted north	No work required at time of survey	20+	C1+2
83	Pedunculate Oak x2 <i>Quercus robur</i>	14	S	Est 500	7.5	7.0	6.0	5.0	2.5	1.0	2.0	2.0	EM	Good	Fair Offsite Two trees growing as one Growing to south of car park and on top of embankment Unable to verify health and safety due to no access Estimated data	No work required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
84	Pedunculate Oak <i>Quercus robur</i>	5	MS>6	250	2.0	3.0	2.5	3.0	1.0	1.0	1.0	1.0	SM	Good	Fair Offsite Growing to south of car park Unable to verify health and safety due to no access Estimated data Previously topped at 1m above ground level Epicormics form crown	No work required at time of survey	10+	C1+2
85	Holm Oak <i>Quercus ilex</i>	6	MS<5	150	1.0	2.0	2.0	1.5	0.0	0.0	0.0	0.0	SM	Good	Fair Growing immediately to south side of car park Natural regeneration grows at base of light column Low hanging branches Bifurcated at ground level One stem growing on north side of site fencing, other to south side Multi-stemmed by 1m above ground level	Advise removal	<10	U
86	Pedunculate Oak <i>Quercus robur</i>	12	MS<5	490	6.0	4.0	6.0	4.0	3.5	3.0	3.0	3.0	EM	Good	Fair Offsite Growing to south side of car park Trifurcated at ground level Unable to verify health and safety due to no access Estimated data	No work required at time of survey	20+	B1+2
87	Pin Oak <i>Quercus palustris</i>	9	S	310	7.5	7.0	7.0	6.0	2.0	2.0	2.0	2.0	SM	Good	Fair Growing within landscaped area between estate road and car park Old pruning wounds on trunk and in crown Part of linear group	No work required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
88	Pin Oak <i>Quercus palustris</i>	13	S	320	6.0	3.5	5.0	3.5	1.0	1.0	2.0	2.0	SM	Good	Fair Growing within landscaped area between estate road and car park Old pruning wounds on trunk and in crown Part of linear group	No work required at time of survey	20+	B1+2
89	Pin Oak <i>Quercus palustris</i>	12	S	360	6.0	6.0	6.0	4.5	2.0	2.0	2.5	2.5	SM	Good	Fair Growing within landscaped area between estate road and car park Old pruning wounds on trunk and in crown Part of linear group Ground level raised around base	No work required at time of survey	20+	B1+2
90	Pin Oak <i>Quercus palustris</i>	12	S	350	5.0	5.0	6.0	5.0	2.0	2.0	2.5	2.5	SM	Good	Fair Growing within landscaped area between estate road and car park Old pruning wounds on trunk and in crown Part of linear group Ground level raised around base	No work required at time of survey	20+	B1+2
91	Pin Oak <i>Quercus palustris</i>	11	S	380	6.0	5.0	6.0	4.0	2.0	2.0	2.5	2.5	SM	Good	Fair Growing within landscaped area between estate road and car park Old pruning wounds on trunk and in crown Part of linear group	No work required at time of survey	20+	B1+2
92	Pin Oak <i>Quercus palustris</i>	11	S	300	6.0	5.0	5.0	5.0	2.0	2.0	2.5	2.0	SM	Good	Fair Growing within landscaped area between estate road and car park Old pruning wounds on trunk and in crown Part of linear group	No work required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/ Multi- Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio- logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
93	Pin Oak <i>Quercus palustris</i>	14	S	360	6.0	5.0	6.0	6.0	2.0	2.5	2.5	2.0	SM	Good	Fair Growing within landscaped area between estate road and car park Old pruning wounds on trunk and in crown Part of linear group	No work required at time of survey	20+	B1+2
94	Pin Oak <i>Quercus palustris</i>	12	S	330	6.0	5.0	6.0	6.0	2.0	3.0	2.0	3.0	SM	Good	Fair Growing within landscaped area between estate and car park Footpath to east Part of linear group	No work required at time of survey	20+	B1+2
95	Pin Oak <i>Quercus palustris</i>	8	S	260	4.5	2.5	3.0	4.0	2.5	2.5	2.5	2.5	SM	Good	Fair Old pruning wounds on trunk and in crown Part of linear group	No work required at time of survey	20+	B1+2
96	Pin Oak <i>Quercus palustris</i>	7	S	230	3.5	3.0	4.0	4.0	2.5	2.0	2.0	2.5	SM	Good	Fair Old pruning wounds on trunk and in crown Part of linear group	No work required at time of survey	20+	B1+2
97	Wild Cherry <i>Prunus avium</i>	8	S	300	4.0	4.5	4.0	5.5	2.0	1.5	1.5	1.0	EM	Good	Fair Leans and weighted west Low hanging branches Old pruning wounds on trunk and in crown	No work required at time of survey	20+	B1+2
98	Flowering Cherry <i>Prunus spp</i>	6	S	80	1.0	0.5	1.0	1.0	2.0	2.0	2.0	2.0	SM	Poor	Fair Epicormics on trunk Apical dieback	Advise removal	<10	U
99	Purple Flowering Cherry <i>Prunus spp</i>	4	S	75	0.5	0.5	0.5	0.5	2.0	2.0	2.0	2.0	SM	Poor	Fair Epicormics on trunk Apical dieback Foliage on trunk is reverting	Advise removal	<10	U
100	Flowering Cherry <i>Prunus spp</i>	6	S	80	0.5	0.5	0.5	0.5	2.0	2.0	2.0	2.0	SM	Dead	Dead Dead tree	Advise removal	-	U
101	Purple Flowering Cherry <i>Prunus spp</i>	4	S	80	0.5	0.5	0.5	0.5	2.0	2.0	2.0	2.0	SM	Fair	Fair Epicormics on trunk Grafted at 2m above ground level	No work required at time of survey	10+	C1

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
102	Pin Oak <i>Quercus palustris</i>	9	S	270	5.0	4.0	5.0	5.0	3.0	3.0	3.0	3.0	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown	No work required at time of survey	20+	B1+2
103	Pin Oak <i>Quercus palustris</i>	7	S	150	2.0	2.0	2.0	2.5	2.5	2.0	2.0	3.0	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown Weighted east	No work required at time of survey	20+	C1+2
104	Flowering Cherry <i>Prunus spp</i>	2.5	S	140	1.5	2.0	1.0	1.5	2.0	2.0	2.0	2.0	SM	Fair	Fair Growing within car park setting Central leader previously topped Old pruning wounds on trunk and in crown Hedging limits survey Minor deadwood in crown	No work required at time of survey	10+	C1+2
105	Flowering Cherry <i>Prunus spp</i>	4	S	130	1.5	2.0	2.0	2.0	2.0	2.5	2.0	1.5	SM	Fair	Fair Growing within car park setting Central leader previously topped Old pruning wounds on trunk and in crown Ivy on trunk Hedging limits survey	No work required at time of survey	10+	C1+2
106	Flowering Cherry <i>Prunus spp</i>	5	S	150	2.0	3.0	2.0	2.5	2.0	2.0	2.0	2.0	SM	Fair	Fair Growing within car park setting Central leader previously topped Old pruning wounds on trunk and in crown Ivy on trunk Hedging limits survey	No work required at time of survey	10+	C1+2

Tree No	Species	H't (m)	Single/ Multi- Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio- logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
107	Flowering Cherry <i>Prunus spp</i>	9	S	130	2.0	3.0	2.5	2.0	2.5	2.5	2.5	2.5	SM	Fair	Fair Growing within car park setting Old pruning wounds on trunk and in crown Hedging limits survey	No work required at time of survey	10+	C1+2
108	Flowering Cherry <i>Prunus spp</i>	6	S	270	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5	EM	Dead	Dead Dead tree within car park setting	Advise removal	-	U
109	Pin Oak <i>Quercus palustris</i>	4	S	110	3.0	1.5	2.0	2.0	2.0	2.5	2.0	2.0	SM	Good	Fair Growing within car park setting Bifurcated at 2.5m above ground level Tight fork with included bark Old pruning wounds on trunk and in crown	No work required at time of survey	10+	C1+2
110	Pin Oak <i>Quercus palustris</i>	6	S	200	3.5	2.5	3.5	2.5	2.0	2.0	2.0	2.0	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown Bifurcated at 4.5m above ground level Tight fork with included bark	No work required at time of survey	20+	B1+2
111	Flowering Cherry <i>Prunus spp</i>	3	S	110	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	SM	Fair	Fair Growing within car park setting Central leader previously topped Old pruning wounds on trunk and in crown Hedging limits survey	No work required at time of survey	10+	C1+2
112	Pin Oak <i>Quercus palustris</i>	8	S	170	3.0	3.0	4.0	3.0	2.0	1.5	1.5	1.5	SM	Good	Fair Growing within car park setting Low hanging branches Old pruning wounds on trunk	No work required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
113	Pin Oak <i>Quercus palustris</i>	8	S	200	4.0	4.0	3.5	3.5	2.5	2.0	2.0	2.0	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown Low hanging branches	No work required at time of survey	20+	B1+2
114	Pin Oak <i>Quercus palustris</i>	7	S	210	3.5	3.5	3.5	3.0	2.0	2.0	2.5	2.0	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown Low hanging branches	No work required at time of survey	20+	B1+2
115	Pin Oak <i>Quercus palustris</i>	9	S	180	2.5	3.0	3.0	3.0	2.0	2.0	2.0	2.0	SM	Good	Fair Growing within car park setting Low hanging branches	No work required at time of survey	20+	B1+2
116	Pin Oak <i>Quercus palustris</i>	10	S	230	5.0	6.0	4.0	4.0	2.5	2.5	2.5	2.5	SM	Good	Fair Growing within car park setting Low hanging branches Old pruning wounds on trunk and in crown	No work required at time of survey	20+	B1+2
117	Pin Oak <i>Quercus palustris</i>	7	S	230	4.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0	SM	Good	Fair Growing within car park setting Low hanging branches Old pruning wounds on trunk and in crown	No work required at time of survey	20+	B1+2
118	Flowering Cherry <i>Prunus spp</i>	5	S	120	1.5	2.0	2.0	3.0	2.5	2.5	2.5	2.5	SM	Fair	Fair Growing within car park setting Central leader previously topped Old pruning wounds on trunk and in crown Hedging limits survey	No work required at time of survey	10+	C1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
119	Flowering Cherry <i>Prunus spp</i>	5	S	130	2.0	3.0	2.0	2.5	2.5	2.0	2.5	2.5	SM	Fair	Fair Growing within car park setting Central leader previously topped Old pruning wounds on trunk and in crown Hedging limits survey	No work required at time of survey	10+	C1+2
120	Pin Oak <i>Quercus palustris</i>	9	S	220	3.0	3.0	4.0	3.0	3.0	3.0	2.5	3.0	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown	No work required at time of survey	20+	B1+2
121	Pin Oak <i>Quercus palustris</i>	10	S	220	3.0	3.0	4.0	3.5	2.0	3.0	3.0	3.0	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown	No work required at time of survey	20+	B1+2
122	Pin Oak <i>Quercus palustris</i>	8	S	170	3.0	3.5	3.5	4.0	2.5	2.0	2.5	2.5	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown Low hanging branches	No work required at time of survey	20+	B1+2
123	Pin Oak <i>Quercus palustris</i>	12	S	200	3.0	3.0	3.5	4.0	2.0	3.0	3.0	3.0	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown Low hanging branches	No work required at time of survey	20+	B1+2
124	Pin Oak <i>Quercus palustris</i>	12	S	270	3.0	4.5	4.0	4.5	2.0	2.0	2.5	2.5	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown Low hanging branches	No work required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
125	Pin Oak <i>Quercus palustris</i>	11	S	280	5.0	5.0	3.0	5.0	2.5	2.5	2.5	2.5	SM	Good	Fair Growing within car park setting Old pruning wounds on trunk and in crown Low hanging branches	No work required at time of survey	20+	B1+2
126	Silver Birch <i>Betula pendula</i>	15	S	270	2.5	3.0	2.0	3.0	5.0	5.0	8.0	6.0	SM	Poor	Poor Apical dieback In major decline	Advise removal	<10	U
127	Pin Oak <i>Quercus palustris</i>	12	S	230	4.5	5.0	2.5	2.0	4.0	4.0	6.0	8.0	SM	Good	Fair Crown shape distorted due to group pressure Old pruning wounds on trunk and in crown	No work required at time of survey	20+	C1+2
128	Pin Oak <i>Quercus palustris</i>	14	S	Est 700	8.0	11.0	10.0	8.0	6.0	4.0	4.0	4.0	M	Good	Fair Offsite Unable to verify health and safety due to no access Ivy on trunk and in crown limits survey Estimated data Bifurcated at 3m above ground level Major deadwood in crown but no significant target	No work required at time of survey	20+	B1+2
129	Common Lime <i>Tilia x europaea</i>	15	S	330	4.0	5.5	5.0	3.0	1.0	2.0	3.0	2.0	EM	Good	Fair Bifurcated at 6m above ground level Site road to east Minor deadwood in crown Low hanging branches Crown shape distorted due to group pressure	No work required at time of survey	20+	B1+2
130	Common Lime <i>Tilia x europaea</i>	15	S	320	6.0	5.0	5.0	6.0	3.0	3.0	3.0	3.0	EM	Good	Fair Bifurcated at 5m above ground level Low hanging branches Crown shape distorted due to group pressure Minor deadwood in crown	No work required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
131	Common Lime <i>Tilia x europaea</i>	14	S	320	6.0	4.0	5.0	3.0	1.5	2.0	3.0	3.0	EM	Good	Fair Crown shape distorted due to group pressure Minor deadwood in crown	No work required at time of survey	20+	B1+2
Grp 1	Hornbeam	9	S	80	-	-	-	-	-	-	-	-	SM	Good	Fair Offsite Unmaintained hedging growing between car parks Low hanging branches	No work required at time of survey	10+	C2
Grp 2	Silver Birch Pedunculate Oak Hazel Goat Willow Field Maple Dogwood	14	S	300	-	-	-	-	-	-	-	-	EM	Good	Fair Growing to east and south of car park Mixed planted and natural regeneration Trunks and crown shapes distorted due to group pressure Low hanging branches	No work required at time of survey	20+	B1+2
Grp 3 TPO	Pedunculate Oak Hawthorn Hazel Common Ash	15	S	1000	-	-	-	-	-	-	-	-	M	Good	Fair Growing on and offsite Unable to verify health and safety due to no access Mature Oaks One dead standing tree One collapsed tree to southern corner Some trees within group protected by a Tree Preservation Order	Remove fallen tree and make safe dead and dangerous trees	20+	B1+2
Grp 4	Flowering Cherry x5	6	S	190	-	-	-	-	-	-	-	-	SM	Fair	Fair Linear group growing between car parks Old pruning wounds on trunks and in crowns Low hanging branches	No work required at time of survey	10+	C1+2

Tree No	Species	H't (m)	Single/ Multi- Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio- logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
Grp 5	Flowering Cherry x3 Apple x1 Maple x1	6	S	190	-	-	-	-	-	-	-	-	SM	Fair	Fair Linear group growing between car parks Old pruning wounds on trunks and in crowns Two replacement trees within group (Apple and Maple) Bark wounds on trunks of eastern and westernmost trees Easternmost tree of poor quality	No work required at time of survey	10+	C1+2
Grp 6	Flowering Cherry x6	7	S	210	-	-	-	-	-	-	-	-	SM	Fair	Fair Growing on bank Crown shapes distorted due to group pressure Low hanging branches Old pruning wounds on trunks and in crowns Young natural regeneration of Oak beginning to establish on edge of group Minor deadwood in crowns Apical dieback forming on southern and eastern trees	No work required at time of survey	10+	C1+2
Grp 7	Ash x2 Photinia	6	MS>6	120	-	-	-	-	-	-	-	-	SM	Good	Fair Growing on bank Established shrubs with natural regeneration of Ash growing within Mostly multi-stemmed at ground level Low hanging branches	No work required at time of survey	10+	C1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
Grp 8	Flowering Cherry	7	S	230	-	-	-	-	-	-	-	-	SM	Fair	Fair Growing on bank Dense shrubs limit survey Crown shapes distorted due to group pressure Low hanging branches Minor deadwood in crowns Apical dieback forming in some trees	No work required at time of survey	10+	C1+2
Grp 9	Pedunculate Oak x3 Hornbeam x2	8	S	110	-	-	-	-	-	-	-	-	SM	Good	Fair Growing within car park setting Trunks and crown shapes distorted due to group pressure Hornbeam at end of hedging left to grow on	No work required at time of survey	20+	C1+2
Grp 10	Dogwood Holm Oak Dog Rose Scots Pine Pin Oak Buddleia Goat Willow	10	S	250	-	-	-	-	-	-	-	-	SM	Good	Fair Unable to verify health and safety due to fencing and understorey Trunks and crown shapes distorted due to group pressure One dead Pine in group Multi-stemmed at various heights Low hanging branches Old pruning wounds on trunks and in crowns	Remove dead Pine	20+	B1+2
Grp 11	Flowering Cherry Common Ash Holm Oak Dogwood Hawthorn Pedunculate Oak Silver Birch Buddleia Hazel	6	S	150	-	-	-	-	-	-	-	-	SM	Good	Fair Unable to verify health and safety due to no access Low hanging branches Trunks and crown shapes distorted due to group pressure Scrub-like appearance	No work required at time of survey	20+	C2

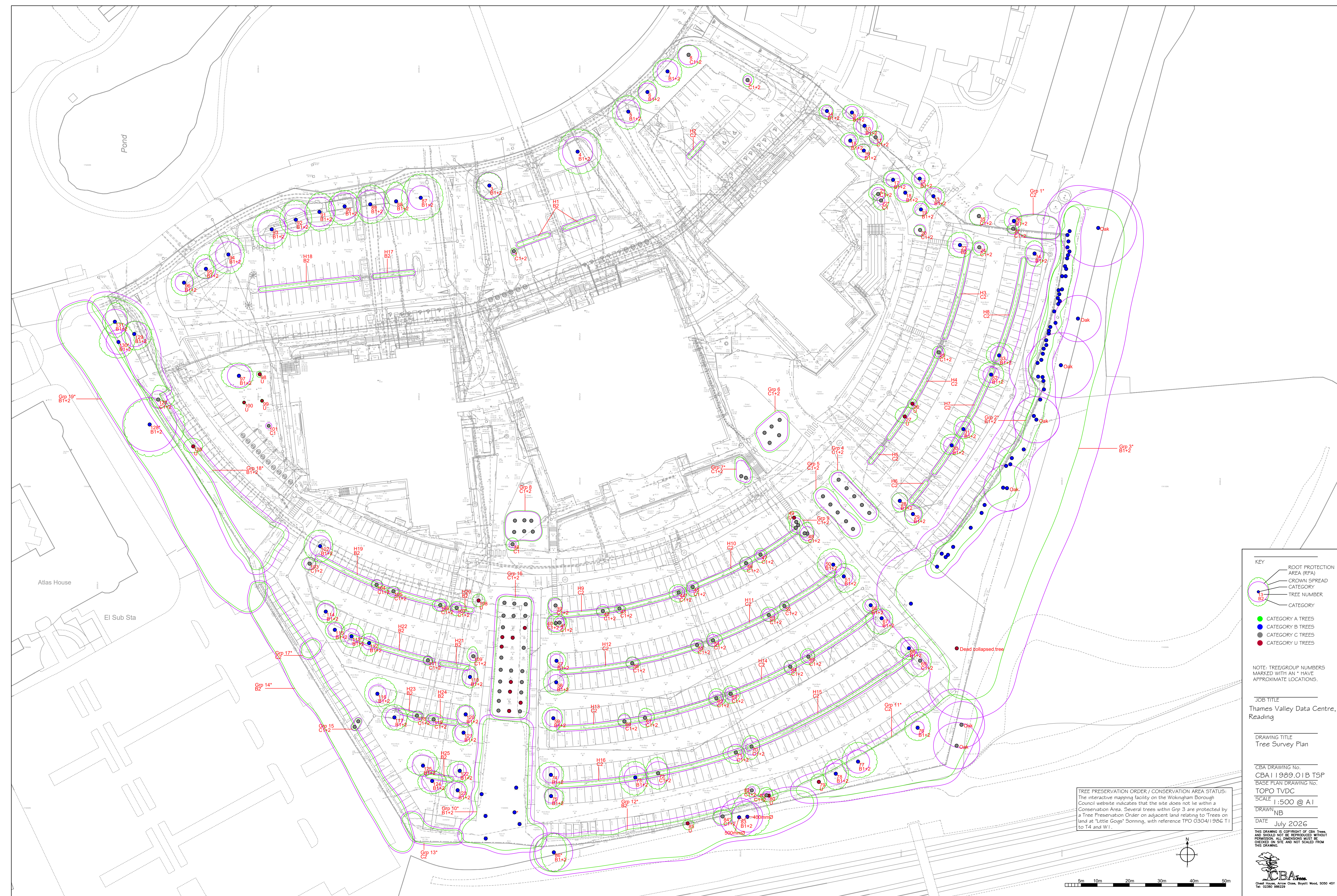
Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
Grp 12	Common Ash Hazel Field Maple Pedunculate Oak Goat Willow	7	S	180	-	-	-	-	-	-	-	-	SM	Good	Fair Offsite Growing on bank Unable to verify health and safety due to no access	No work required at time of survey	20+	B2
Grp 13	Common Hazel Dogwood Snowy Mesipilus	6	MS>6	160	-	-	-	-	-	-	-	-	SM	Good	Fair Growing to south side of car park Most multi-stemmed at ground level Low hanging branches Trunks and crown shapes distorted due to group pressure	No work required at time of survey	10+	C2
Grp 14	Hazel Dogwood Hornbeam	7	MS>6	260	-	-	-	-	-	-	-	-	SM	Good	Fair Offsite Unable to verify health and safety due to no access Growing on bank Many multi-stemmed at ground level	No work required at time of survey	20+	B2
Grp 15	Snowy Mesipilus x2 Pedunculate Oak x1 Field Maple x1	8	S	100	-	-	-	-	-	-	-	-	SM	Fair	Fair Mixed species group growing within car park setting Trunks and crown shapes distorted due to group pressure Field Maple has many bark wounds on trunk	Remove Field Maple	10+	C1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
Grp 16	Flowering Cherry x27	6	S	220	-	-	-	-	-	-	-	-	SM	Fair	Fair Formal group of trees, several previously removed Eight trees of poor quality including two dead trees Growing between car park areas Old pruning wounds on trunks and in crowns Central leaders previously removed	Remove the eight poor quality trees	10+	C1+2
Grp 17	Snowy Mesipilus x3	6	MS>6	90	-	-	-	-	-	-	-	-	SM	Good	Fair Multi-stemmed at ground level Trunks and crown shape distorted due to group pressure Low hanging branches	No work required at time of survey	10+	C2
Grp 18	Pine Dogwood Hornbeam Field Maple Snowy Mesipilus Pin Oak Wild Cherry	11	S	250	-	-	-	-	-	-	-	-	SM	Good	Fair Mixed species planting growing along site boundary and to west of car park Trunks and crown shapes distorted due to group pressure Low hanging branches Minor deadwood in crowns	No work required at time of survey	20+	B1+2
Grp 19	Dogwood Hornbeam Hazel Pin Oak Oak	14	S	200	-	-	-	-	-	-	-	-	SM	Good	Fair Offsite Trunks and crown shapes distorted due to group pressure Unable to verify health and safety due to no access	No work required at time of survey	20+	B1+2
H1	Hornbeam	2	S	75	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within car park setting	Clip and maintain annually	20+	B2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
H2	Hornbeam	5	S	75	-	-	-	-	-	-	-	-	SM	Good	Fair Hedging within car park setting, now unmaintained on top	Reduce height to 2m	10+	C2
H3	Hornbeam	3	S	75	-	-	-	-	-	-	-	-	SM	Good	Fair Established hedge growing within car park setting Becoming unmaintained Growing on bank	Clip back to formal shape	10+	C2
H4	Hornbeam	3	S	75	-	-	-	-	-	-	-	-	SM	Good	Fair Established hedge growing within car park setting Becoming unmaintained Growing on bank	Clip back to formal shape	10+	C2
H5	Hornbeam	3	S	75	-	-	-	-	-	-	-	-	SM	Good	Fair Established hedge growing within car park setting Becoming unmaintained Growing on bank	Clip back to formal shape	10+	C2
H6	Hornbeam	3	S	75	-	-	-	-	-	-	-	-	SM	Good	Fair Established hedge growing within car park setting Becoming unmaintained Growing on bank	Clip back to formal shape	10+	C2
H7	Hornbeam	3	S	75	-	-	-	-	-	-	-	-	SM	Good	Fair Established hedge growing within car park setting Becoming unmaintained Growing on bank	Clip back to formal shape	10+	C2
H8	Hornbeam	3	S	75	-	-	-	-	-	-	-	-	SM	Good	Fair Established hedge growing within car park setting Becoming unmaintained Growing on bank	Clip back to formal shape	10+	C2
H9	Hornbeam	2	S	75	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within car park setting Starting to become unmaintained	Clip and maintain annually	10+	C2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
H10	Hornbeam	2	S	75	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within car park setting Starting to become unmaintained	Clip and maintain annually	10+	C2
H11	Hornbeam	1.5	S	75	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within car park setting Starting to become unmaintained	Clip and maintain annually	10+	C2
H12	Hornbeam	1.5	S	75	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within car park setting Starting to become unmaintained	Clip and maintain annually	10+	C2
H13	Hornbeam	1.5	S	80	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within car park setting Starting to become unmaintained	Clip and maintain annually	10+	C2
H14	Hornbeam	1.5	S	80	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within car park setting Starting to become unmaintained	Clip and maintain annually	10+	C2
H15	Hornbeam	1.5	S	80	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within car park setting Starting to become unmaintained	Clip and maintain annually	10+	C2
H16	Hornbeam	1.5	S	80	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within car park setting Starting to become unmaintained	Clip and maintain annually	10+	C2
H17	Hornbeam	2	S	75	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within car park setting Growing on bank	Continue annual clipping	20+	B2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m)				H't of Crown AGL (m)				Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
					N	E	S	W	N	E	S	W						
H18	Hornbeam	2	S	80	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within car park setting Growing on bank	Continue annual clipping	20+	B2
H19	Hornbeam	1.5	S	80	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within car park setting Pyracantha growing within	Continue annual clipping	20+	B2
H20	Hornbeam	2	S	80	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within car park setting Pyracantha growing within	Continue annual clipping	20+	B2
H21	Hornbeam	2	S	80	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within car park setting Pyracantha growing within	Continue annual clipping	20+	B2
H22	Hornbeam	1.5	S	80	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within car park setting Pyracantha growing within	Continue annual clipping	20+	B2
H23	Hornbeam	1.5	S	80	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within car park setting Pyracantha growing within	Continue annual clipping	20+	B2
H24	Hornbeam	2	S	80	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within car park setting Pyracantha growing within	Continue annual clipping	20+	B2
H25	Hornbeam	2	S	75	-	-	-	-	-	-	-	-	SM	Good	Fair Well maintained hedging within group setting	Continue annual clipping	20+	B2



KEY

- ROOT PROTECTION AREA (RPA)
- CROWN SPREAD
- CATEGORY
- TREE NUMBER
- CATEGORY

● CATEGORY A TREES

● CATEGORY B TREES

● CATEGORY C TREES

● CATEGORY U TREES

NOTE: TREE/GROUP NUMBERS
MARKED WITH AN * HAVE
APPROXIMATE LOCATIONS.

JOB TITLE
Thames Valley Data Centre,
Reading

DRAWING TITLE
Tree Survey Plan

CBA DRAWING No.
CBA11989.01B TSP
BASE PLAN DRAWING No.
TOPO TVDC
SCALE 1:500 @ A1
DRAWN NB
DATE July 2026

THIS DRAWING IS COPYRIGHT OF CBA Trees.
AND SHOULD NOT BE REPRODUCED WITHOUT
PERMISSION. ALL DIMENSIONS MUST BE
CHECKED ON SITE AND NOT SCALED FROM
THIS DRAWING.



Chesil House, Arrow Close, Boyatt Wood, SO50 4SY
Tel: 02380 996229



	BS5837:2012 TREE ROOT PROTECTION AREA SCHEDULE	
	Site:	Thames Valley Data Centre
	Date:	15th and 16th April 2026
	Consultant:	Stefan Rose <i>BSc (Hons), TechCert (Arbor A), TechArbor.A</i>

Notes:

1. This is an assessment of the Root Protection Area (RPA) required, based on the individual tree data collected and Section 4.6.1 of BS5837:2012.
2. The RPA has been capped at 707m² in accordance with Section 4.6.1 of BS5837:2012 for all single stem trees with a stem diameter greater than 1250mm and multi-stemmed trees where the combined stem diameter is greater than 1250mm.

TREE PRESERVATION ORDER / CONSERVATION AREA STATUS:

The interactive mapping facility on the Wokingham Borough Council website indicates that the site does not lie within a Conservation Area. Several trees within Grp 3 are protected by a Tree Preservation Order on adjacent land relating to 'Trees on land at "Little Gogs" Sonning, with reference TPO 0304/1986 T1 to T4 and W1.

Tree No	Species	Category	Single/ Multi-Stemmed (S or MS)	Stem Diameter (mm)	Initial Linear Root Protection Distance (Radius m)	Root Protection Area (m ²)
1	Holm Oak Quercus ilex	C1+2	MS<5	80	1.0	3
2	Silver Birch Betula pendula	C1+2	S	110	1.3	5
3	Pin Oak Quercus palustris	B1+2	S	340	4.1	52
4	Pin Oak Quercus palustris	B1+2	S	390	4.7	69
5	Pin Oak Quercus palustris	B1+2	S	300	3.6	41
6	Pin Oak Quercus palustris	B1+2	S	230	2.8	24
7	Pin Oak Quercus palustris	B1+2	S	270	3.2	33
8	Pin Oak Quercus palustris	C1+2	S	260	3.1	31
9	Himalayan Birch Betula utilis	B1+2	S	160	1.9	12

Tree No	Species	Category	Single/ Multi-Stemmed (S or MS)	Stem Diameter (mm)	Initial Linear Root Protection Distance (Radius m)	Root Protection Area (m2)
10	Himalayan Birch <i>Betula utilis</i>	B1+2	S	220	2.6	22
11	Himalayan Birch <i>Betula utilis</i>	C1+2	S	160	1.9	12
12	Himalayan Birch <i>Betula utilis</i>	B1+2	S	140	1.7	9
13	Himalayan Birch <i>Betula utilis</i>	B1+2	S	210	2.5	20
14	Himalayan Birch <i>Betula utilis</i>	B1+2	S	140	1.7	9
15	Himalayan Birch <i>Betula utilis</i>	B1+2	S	150	1.8	10
16	Himalayan Birch <i>Betula utilis</i>	B1+2	S	170	2.0	13
17	Himalayan Birch <i>Betula utilis</i>	B1+2	S	180	2.2	15
18	Himalayan Birch <i>Betula utilis</i>	B1+2	S	210	2.5	20
19	Himalayan Birch <i>Betula utilis</i>	B1+2	S	160	1.9	12
20	Silver Birch <i>Betula pendula</i>	C1+2	S	150	1.8	10
21	Himalayan Birch <i>Betula utilis</i>	C1+2	S	170	2.0	13
22	Pedunculate Oak <i>Quercus robur</i>	C1	S	100	1.2	5
23	Pin Oak <i>Quercus palustris</i>	B2	S	190	2.3	16
24	Pin Oak <i>Quercus palustris</i>	C1+2	S	130	1.6	8
25	Flowering Cherry <i>Prunus spp</i>	C1+2	S	120	1.4	7
26	Flowering Cherry <i>Prunus spp</i>	U	S	100	-	-
27	Flowering Cherry <i>Prunus spp</i>	U	S	180	-	-
28	Pin Oak <i>Quercus palustris</i>	B1+2	S	210	2.5	20
29	Pin Oak <i>Quercus palustris</i>	B1+2	S	220	2.6	22

Tree No	Species	Category	Single/ Multi-Stemmed (S or MS)	Stem Diameter (mm)	Initial Linear Root Protection Distance (Radius m)	Root Protection Area (m2)
30	Pin Oak Quercus palustris	B1+2	S	210	2.5	20
31	Pin Oak Quercus palustris	B1+2	S	200	2.4	18
32	Pin Oak Quercus palustris	B1+2	S	210	2.5	20
33	Pin Oak Quercus palustris	B1+2	S	230	2.8	24
34	Pin Oak Quercus palustris	B1+2	S	220	2.6	22
35	Pear Pyrus spp	C1+2	S	250	3.0	28
36	Himalayan Birch Betula utilis	B1+2	S	130	1.6	8
37	Holm Oak Quercus ilex	C1+2	MS<5	150	1.8	10
38	Goat Willow Salix caprea	C1	MS>6	90	1.1	4
39	Flowering Cherry Prunus spp	C1+2	S	180	2.2	15
40	Flowering Cherry Prunus spp	C1+2	S	220	2.6	22
41	Pedunculate Oak Quercus robur	C1+2	MS<5	120	1.4	7
42	Flowering Cherry Prunus spp	C1+2	S	170	2.0	13
43	Flowering Cherry Prunus spp	C1+2	S	120	1.4	7
44	Flowering Cherry Prunus spp	C1+2	S	160	1.9	12
45	Flowering Cherry Prunus spp	C1+2	S	140	1.7	9
46	Flowering Cherry Prunus spp	C1+2	S	160	1.9	12
47	Flowering Cherry Prunus spp	C1+2	S	120	1.4	7
48	Flowering Cherry Prunus spp	C1+2	S	180	2.2	15
49	Flowering Cherry Prunus spp	U	S	170	-	-

Tree No	Species	Category	Single/ Multi-Stemmed (S or MS)	Stem Diameter (mm)	Initial Linear Root Protection Distance (Radius m)	Root Protection Area (m2)
50	Pin Oak Quercus palustris	B1+2	S	220	2.6	22
51	Pin Oak Quercus palustris	B1+2	S	230	2.8	24
52	Flowering Cherry Prunus spp	C1+2	S	130	1.6	8
53	Flowering Cherry Prunus spp	C1+2	S	160	1.9	12
54	Flowering Cherry Prunus spp	C1+2	S	150	1.8	10
55	Flowering Cherry Prunus spp	C1+2	S	160	1.9	12
56	Flowering Cherry Prunus spp	C1+2	S	160	1.9	12
57	Pin Oak Quercus palustris	B1+2	S	170	2.0	13
58	Pin Oak Quercus palustris	B1+2	S	200	2.4	18
59	Pin Oak Quercus palustris	B1+2	S	220	2.6	22
60	Flowering Cherry Prunus spp	C1+2	S	170	2.0	13
61	Flowering Cherry Prunus spp	C1+2	S	170	2.0	13
62	Flowering Cherry Prunus spp	C1+2	S	180	2.2	15
63	Flowering Cherry Prunus spp	C1+2	S	160	1.9	12
64	Flowering Cherry Prunus spp	C1+2	S	160	1.9	12
65	Flowering Cherry Prunus spp	C1+2	S	160	1.9	12
66	Pin Oak Quercus palustris	B1+2	S	150	1.8	10
67	Pin Oak Quercus palustris	B1+2	S	220	2.6	22
68	Pin Oak Quercus palustris	B1+2	S	210	2.5	20
69	Pin Oak Quercus palustris	C1+2	S	220	2.6	22

Tree No	Species	Category	Single/ Multi-Stemmed (S or MS)	Stem Diameter (mm)	Initial Linear Root Protection Distance (Radius m)	Root Protection Area (m2)
70	Flowering Cherry Prunus spp	C1+2	S	220	2.6	22
71	Flowering Cherry Prunus spp	C1+2	S	210	2.5	20
72	Pin Oak Quercus palustris	C1+2	S	300	3.6	41
73	Pin Oak Quercus palustris	B1+2	S	290	3.5	38
74	Pin Oak Quercus palustris	B1+2	S	210	2.5	20
75	Pin Oak Quercus palustris	B1+2	S	180	2.2	15
76	Hornbeam Carpinus spp	B1+2	S	170	2.0	13
77	Pin Oak Quercus palustris	B1+2	S	300	3.6	41
78	Pin Oak Quercus palustris	B1+2	S	270	3.2	33
79	Silver Birch Betula pendula	U	S	130	-	-
80	Silver Birch Betula pendula	U	S	110	-	-
81	Pedunculate Oak Quercus robur	C1+2	S	100	1.2	5
82	Pedunculate Oak Quercus robur	C1+2	S	90	1.1	4
83	Pedunculate Oak x2 Quercus robur	B1+2	S	500	6.0	113
84	Pedunculate Oak Quercus robur	C1+2	MS>6	250	3.0	28
85	Holm Oak Quercus ilex	U	MS<5	150	-	-
86	Pedunculate Oak Quercus robur	B1+2	MS<5	490	5.9	109
87	Pin Oak Quercus palustris	B1+2	S	310	3.7	43
88	Pin Oak Quercus palustris	B1+2	S	320	3.8	46
89	Pin Oak Quercus palustris	B1+2	S	360	4.3	59

Tree No	Species	Category	Single/ Multi-Stemmed (S or MS)	Stem Diameter (mm)	Initial Linear Root Protection Distance (Radius m)	Root Protection Area (m2)
90	Pin Oak Quercus palustris	B1+2	S	350	4.2	55
91	Pin Oak Quercus palustris	B1+2	S	380	4.6	65
92	Pin Oak Quercus palustris	B1+2	S	300	3.6	41
93	Pin Oak Quercus palustris	B1+2	S	360	4.3	59
94	Pin Oak Quercus palustris	B1+2	S	330	4.0	49
95	Pin Oak Quercus palustris	B1+2	S	260	3.1	31
96	Pin Oak Quercus palustris	B1+2	S	230	2.8	24
97	Wild Cherry Prunus avium	B1+2	S	300	3.6	41
98	Flowering Cherry Prunus spp	U	S	80	-	-
99	Purple Flowering Cherry Prunus spp	U	S	75	-	-
100	Flowering Cherry Prunus spp	U	S	80	-	-
101	Purple Flowering Cherry Prunus spp	C1	S	80	1.0	3
102	Pin Oak Quercus palustris	B1+2	S	270	3.2	33
103	Pin Oak Quercus palustris	C1+2	S	150	1.8	10
104	Flowering Cherry Prunus spp	C1+2	S	140	1.7	9
105	Flowering Cherry Prunus spp	C1+2	S	130	1.6	8
106	Flowering Cherry Prunus spp	C1+2	S	150	1.8	10
107	Flowering Cherry Prunus spp	C1+2	S	130	1.6	8
108	Flowering Cherry Prunus spp	U	S	270	-	-
109	Pin Oak Quercus palustris	C1+2	S	110	1.3	5

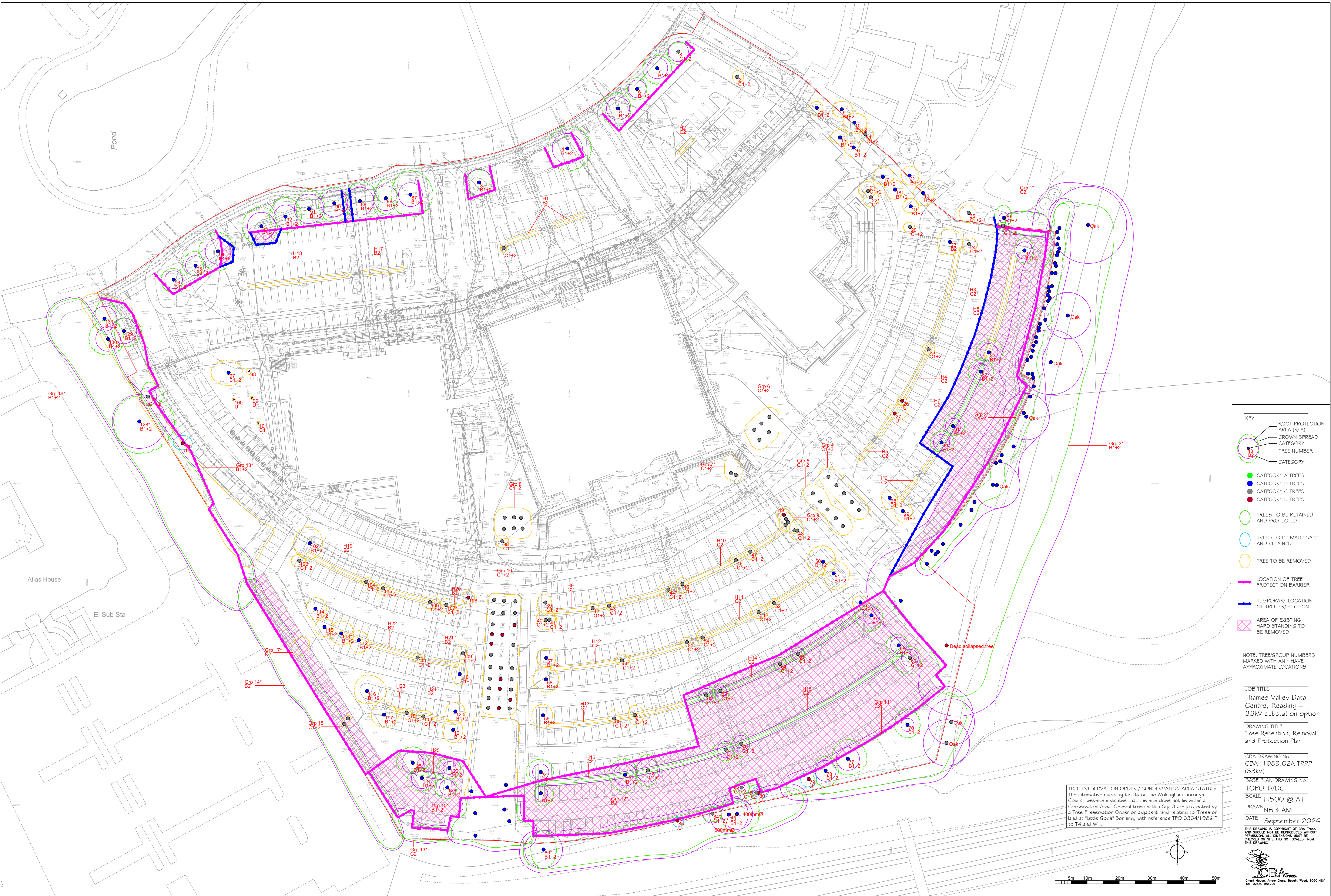
Tree No	Species	Category	Single/ Multi-Stemmed (S or MS)	Stem Diameter (mm)	Initial Linear Root Protection Distance (Radius m)	Root Protection Area (m2)
110	Pin Oak Quercus palustris	B1+2	S	200	2.4	18
111	Flowering Cherry Prunus spp	C1+2	S	110	1.3	5
112	Pin Oak Quercus palustris	B1+2	S	170	2.0	13
113	Pin Oak Quercus palustris	B1+2	S	200	2.4	18
114	Pin Oak Quercus palustris	B1+2	S	210	2.5	20
115	Pin Oak Quercus palustris	B1+2	S	180	2.2	15
116	Pin Oak Quercus palustris	B1+2	S	230	2.8	24
117	Pin Oak Quercus palustris	B1+2	S	230	2.8	24
118	Flowering Cherry Prunus spp	C1+2	S	120	1.4	7
119	Flowering Cherry Prunus spp	C1+2	S	130	1.6	8
120	Pin Oak Quercus palustris	B1+2	S	220	2.6	22
121	Pin Oak Quercus palustris	B1+2	S	220	2.6	22
122	Pin Oak Quercus palustris	B1+2	S	170	2.0	13
123	Pin Oak Quercus palustris	B1+2	S	200	2.4	18
124	Pin Oak Quercus palustris	B1+2	S	270	3.2	33
125	Pin Oak Quercus palustris	B1+2	S	280	3.4	35
126	Silver Birch Betula pendula	U	S	270	-	-
127	Pin Oak Quercus palustris	C1+2	S	230	2.8	24
128	Pin Oak Quercus palustris	B1+2	S	700	8.4	222
129	Common Lime Tilia x europaea	B1+2	S	330	4.0	49

Tree No	Species	Category	Single/ Multi-Stemmed (S or MS)	Stem Diameter (mm)	Initial Linear Root Protection Distance (Radius m)	Root Protection Area (m2)
130	Common Lime Tilia x europaea	B1+2	S	320	3.8	46
131	Common Lime Tilia x europaea	B1+2	S	320	3.8	46
Grp 1	Hornbeam	C2	S	80	1.0	3
Grp 2	Silver Birch Pedunculate Oak Hazel Goat Willow Field Maple Dogwood	B1+2	S	300	3.6	41
Grp 3 TPO	Pedunculate Oak Hawthorn Hazel Common Ash	B1+2	S	1000	12.0	452
Grp 4	Flowering Cherry x5	C1+2	S	190	2.3	16
Grp 5	Flowering Cherry x3 Apple x1 Maple x1	C1+2	S	190	2.3	16
Grp 6	Flowering Cherry x6	C1+2	S	210	2.5	20
Grp 7	Ash x2 Photinia	C1+2	MS>6	120	1.4	7
Grp 8	Flowering Cherry	C1+2	S	230	2.8	24
Grp 9	Pedunculate Oak x3 Hornbeam x2	C1+2	S	110	1.3	5
Grp 10	Dogwood Holm Oak Dog Rose Scots Pine Pin Oak Buddleia Goat Willow	B1+2	S	250	3.0	28

Tree No	Species	Category	Single/ Multi-Stemmed (S or MS)	Stem Diameter (mm)	Initial Linear Root Protection Distance (Radius m)	Root Protection Area (m2)
Grp 11	Flowering Cherry Common Ash Holm Oak Dogwood Hawthorn Pedunculate Oak Silver Birch Buddleia Hazel	C2	S	150	1.8	10
Grp 12	Common Ash Hazel Field Maple Pedunculate Oak Goat Willow	B2	S	180	2.2	15
Grp 13	Common Hazel Dogwood Snowy Mesipilus	C2	MS>6	160	1.9	12
Grp 14	Hazel Dogwood Hornbeam	B2	MS>6	260	3.1	31
Grp 15	Snowy Mesipilus x2 Pedunculate Oak x1 Field Maple x1	C1+2	S	100	1.2	5
Grp 16	Flowering Cherry x27	C1+2	S	220	2.6	22
Grp 17	Snowy Mesipilus x3	C2	MS>6	90	1.1	4
Grp 18	Pine Dogwood	B1+2	S	250	3.0	28
Grp 19	Dogwood Hornbeam	B1+2	S	200	2.4	18
H1	Hornbeam	B2	S	75	0.9	3
H2	Hornbeam	C2	S	75	0.9	3
H3	Hornbeam	C2	S	75	0.9	3
H4	Hornbeam	C2	S	75	0.9	3
H5	Hornbeam	C2	S	75	0.9	3

Tree No	Species	Category	Single/ Multi-Stemmed (S or MS)	Stem Diameter (mm)	Initial Linear Root Protection Distance (Radius m)	Root Protection Area (m2)
H6	Hornbeam	C2	S	75	0.9	3
H7	Hornbeam	C2	S	75	0.9	3
H8	Hornbeam	C2	S	75	0.9	3
H9	Hornbeam	C2	S	75	0.9	3
H10	Hornbeam	C2	S	75	0.9	3
H11	Hornbeam	C2	S	75	0.9	3
H12	Hornbeam	C2	S	75	0.9	3
H13	Hornbeam	C2	S	80	1.0	3
H14	Hornbeam	C2	S	80	1.0	3
H15	Hornbeam	C2	S	80	1.0	3
H16	Hornbeam	C2	S	80	1.0	3
H17	Hornbeam	B2	S	75	0.9	3
H18	Hornbeam	B2	S	80	1.0	3
H19	Hornbeam	B2	S	80	1.0	3
H20	Hornbeam	B2	S	80	1.0	3
H21	Hornbeam	B2	S	80	1.0	3
H22	Hornbeam	B2	S	80	1.0	3
H23	Hornbeam	B2	S	80	1.0	3
H24	Hornbeam	B2	S	80	1.0	3
H25	Hornbeam	B2	S	75	0.9	3





- KEY
- ROOT PROTECTION AREA (RPA)
 - CROWN SPREAD
 - CATEGORY
 - TREE NUMBER
 - CATEGORY
- CATEGORY A TREES
 - CATEGORY B TREES
 - CATEGORY C TREES
 - CATEGORY U TREES
- TREES TO BE RETAINED AND PROTECTED
 - TREES TO BE MADE SAFE AND RETAINED
 - TREE TO BE REMOVED
- LOCATION OF TREE PROTECTION BARRIER
 - TEMPORARY LOCATION OF TREE PROTECTION
 - AREA OF EXISTING HARD STANDING TO BE REMOVED

NOTE: TREE/GROUP NUMBERS MARKED WITH AN * HAVE APPROXIMATE LOCATIONS.

JOB TITLE
Thames Valley Data Centre, Reading – 33kV substation option

DRAWING TITLE
Tree Retention, Removal and Protection Plan

CBA DRAWING No.
CBA I 1989.02A TRRP (33kV)

BASE PLAN DRAWING No.
TOPO TVDC

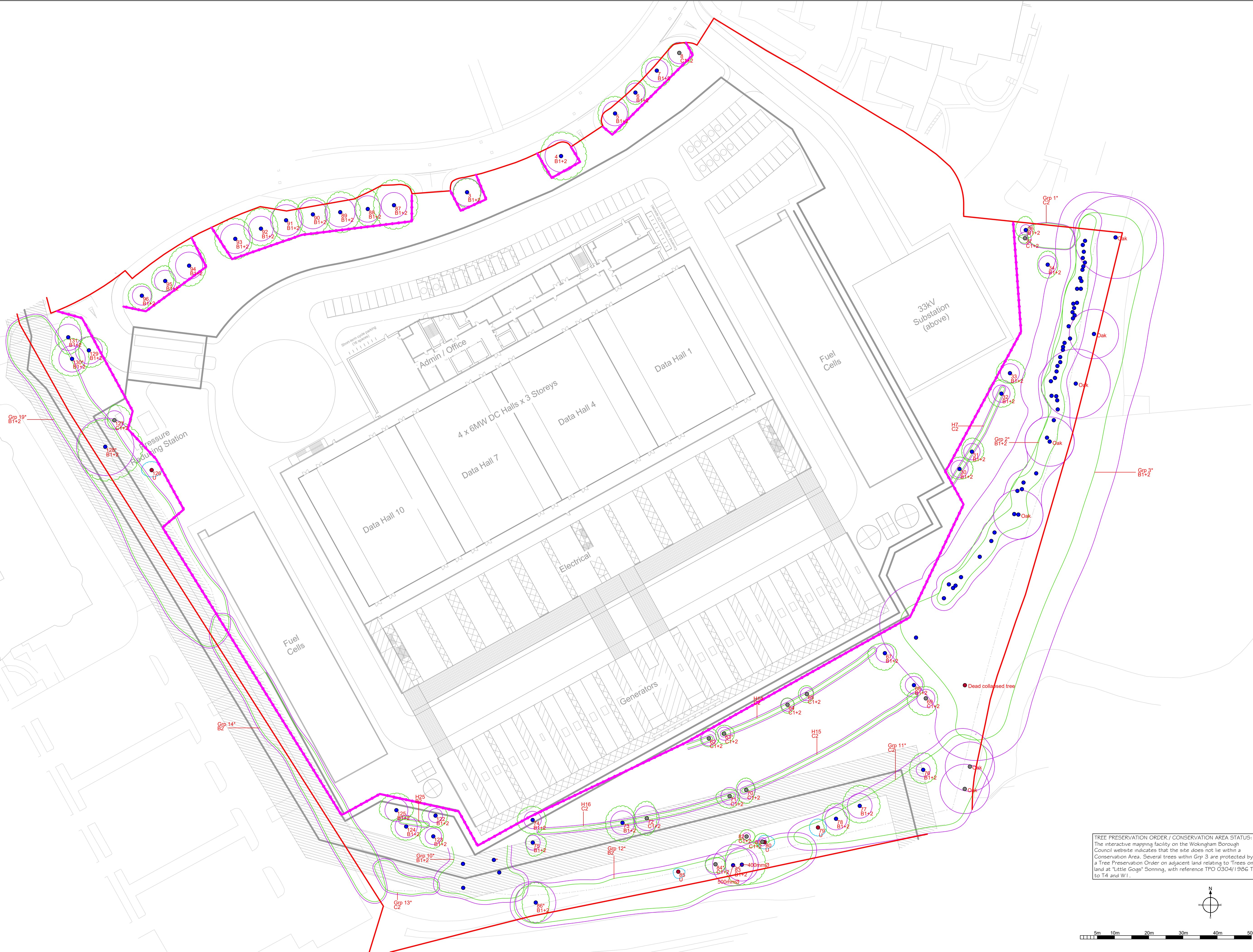
SCALE
1:500 @ A1

DRAWN
NB # AM

DATE
September 2026

THIS DRAWING IS COPYRIGHT OF CBA Trees AND SHOULD NOT BE REPRODUCED WITHOUT PERMISSION. ALL DIMENSIONS MUST BE CHECKED ON SITE AND NOT SCALED FROM THIS DRAWING.

CBA Trees
Oxley House, Arrow Close, Boylston Wood, SO50 4SY
Tel: 02380 966229



KEY

- ROOT PROTECTION AREA (RPA)
- CROWN SPREAD
- CATEGORY
- TREE NUMBER
- CATEGORY

● CATEGORY A TREES
● CATEGORY B TREES
● CATEGORY C TREES
● CATEGORY U TREES

○ TREES TO BE RETAINED AND PROTECTED

— LOCATION OF TREE PROTECTION BARRIER

NOTE: TREE/GROUP NUMBERS MARKED WITH AN * HAVE APPROXIMATE LOCATIONS.

JOB TITLE
Thames Valley Data Centre, Reading – 33kV substation option

DRAWING TITLE
Construction Tree Protection Plan

CBA DRAWING No.
CBA\1989.03A Cons TPP (33kV)

BASE PLAN DRAWING No.
259904-12A-AR-DR-FLIP-0100-R2-02-ILLUSTRATIVE GROUND FLOOR PLAN

SCALE
1:500 @ A1

DRAWN
NB # AM

DATE
September 2026

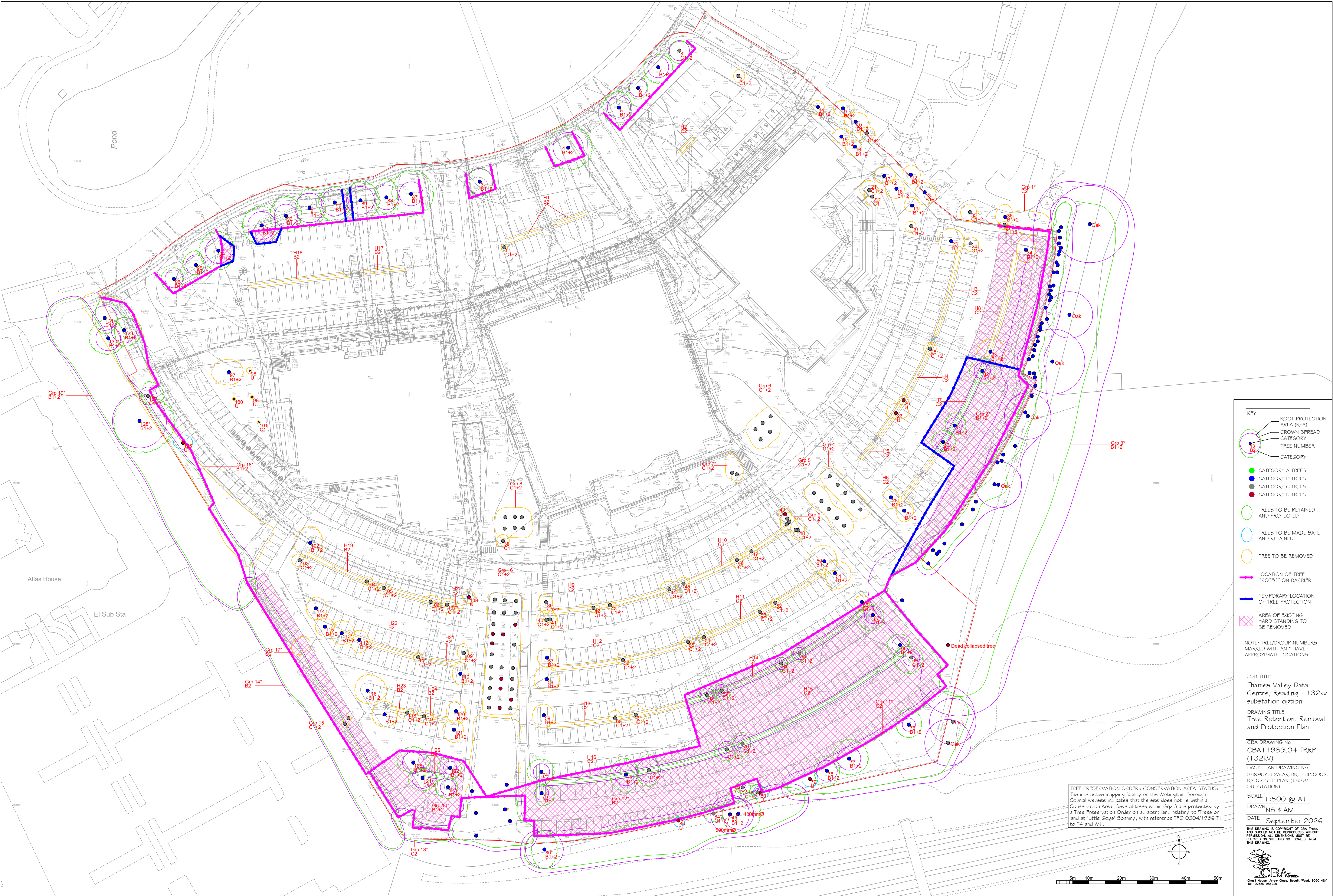
THIS DRAWING IS COPYRIGHT © CBA Trees AND SHOULD NOT BE REPRODUCED WITHOUT PERMISSION. ALL DIMENSIONS MUST BE CHECKED ON SITE AND NOT SCALED FROM THIS DRAWING.

CBA Trees
Orest House, Arrow Close, Boylitt Wood, SO50 4SY
Tel: 02380 966229

TREE PRESERVATION ORDER / CONSERVATION AREA STATUS:
The interactive mapping facility on the Wokingham Borough Council website indicates that the site does not lie within a Conservation Area. Several trees within Grp 3 are protected by a Tree Preservation Order on adjacent land relating to Trees on land at 'Little Gogs' Sonning, with reference TPO 0304/1986 T1 to T4 and W1.

5m 10m 20m 30m 40m 50m

N



KEY

- ROOT PROTECTION AREA (RPA)
- CROWN SPREAD
- CATEGORY
- TREE NUMBER
- CATEGORY

● CATEGORY A TREES
● CATEGORY B TREES
● CATEGORY C TREES
● CATEGORY U TREES

○ TREES TO BE RETAINED AND PROTECTED
○ TREES TO BE MADE SAFE AND RETAINED
○ TREE TO BE REMOVED

— LOCATION OF TREE PROTECTION BARRIER
— TEMPORARY LOCATION OF TREE PROTECTION

▨ AREA OF EXISTING HARD STANDING TO BE REMOVED

NOTE: TREE/GROUP NUMBERS MARKED WITH AN * HAVE APPROXIMATE LOCATIONS.

JOB TITLE
Thames Valley Data Centre, Reading - 132kv substation option

DRAWING TITLE
Tree Retention, Removal and Protection Plan

CBA DRAWING No.
CBA11989.04 TRRP (132kv)

BASE PLAN DRAWING No.
259904-12A-AR-DR-PL-IP-0002-R2-02-SITE PLAN (132kv SUBSTATION)

SCALE
1:500 @ A1

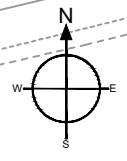
DRAWN
NB # AM

DATE
September 2026

THIS DRAWING IS COPYRIGHT OF CBA Trees AND SHOULD NOT BE REPRODUCED WITHOUT PERMISSION. ALL DIMENSIONS MUST BE CHECKED ON SITE AND NOT SCALED FROM THIS DRAWING.

CBA Trees
Orest House, Arrow Close, Boylitt Wood, SO50 4SY
Tel: 02380 966229

TREE PRESERVATION ORDER / CONSERVATION AREA STATUS:
The interactive mapping facility on the Wokingham Borough Council website indicates that the site does not lie within a Conservation Area. Several trees within Grp 3 are protected by a Tree Preservation Order on adjacent land relating to Trees on land at 'Little Gogs' Sonning, with reference TPO 0304/1986 T1 to T4 and W1.



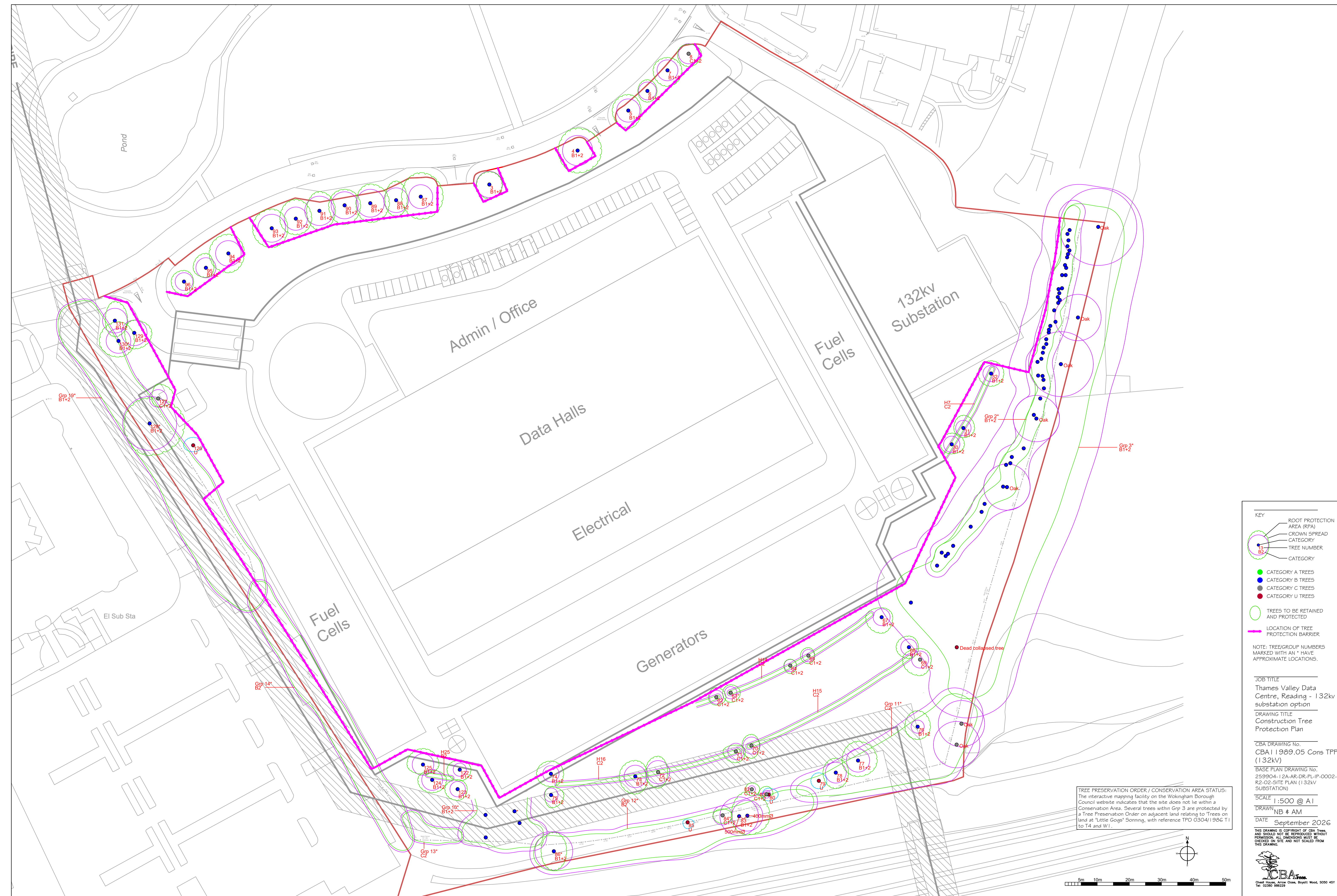


Diagram illustrating the components of a tree crown spread:

- KEY
- ROOT PROTECTION AREA (RPA)
- CROWN SPREAD
- CATEGORY
- TREE NUMBER (13 B2)
- CATEGORY

- CATEGORY A TREES
- CATEGORY B TREES
- CATEGORY C TREES
- CATEGORY U TREES

 TREES TO BE RETAINED AND PROTECTED
 LOCATION OF TREE PROTECTION BARRIER

NOTE: TREE/GROUP NUMBERS
MARKED WITH AN * HAVE
APPROXIMATE LOCATIONS.

JOB TITLE	Thames Valley Data Centre, Reading - 132kv substation option
DRAWING TITLE	Construction Tree Protection Plan

CBA DRAWING No.
CBA 11989.05 Cons TPP
(132kV)

BASE PLAN DRAWING No.
259904-1 2A-AR-DR-PL-IP-0002-
R2-02-SITE PLAN (132kV
SUBSTATION)

SCALE 1:500 @ A1

DRAWN NB & AM
DATE September 2026

THIS DRAWING IS COPYRIGHT OF CBA Trees.
AND SHOULD NOT BE REPRODUCED WITHOUT
PERMISSION. ALL DIMENSIONS MUST BE
CHECKED ON SITE AND NOT SCALED FROM
THIS DRAWING.





	TREE WORKS SCHEDULE		
	Project:	Thames Valley Park Data Centre	
	Date:	September 2026	Consultant: Stefan Rose <i>BSc (Hons), Tech Cert ArborA, TechArborA</i>

Should the 33kV substation option be brought forward the tree works below would be required:

Tree No.	Species	Recommended Works
1	Holm Oak <i>Quercus ilex</i>	• Fell to ground level and remove stump
2	Silver Birch <i>Betula pendula</i>	• Fell to ground level and remove stump
3	Pin Oak <i>Quercus palustris</i>	• No works required for planning
4	Pin Oak <i>Quercus palustris</i>	• No works required for planning
5	Pin Oak <i>Quercus palustris</i>	• No works required for planning
6	Pin Oak <i>Quercus palustris</i>	• No works required for planning
7	Pin Oak <i>Quercus palustris</i>	• No works required for planning
8	Pin Oak <i>Quercus palustris</i>	• Prune out central leader with decay
9	Himalayan Birch <i>Betula utilis</i>	• Fell to ground level and remove stump
10	Himalayan Birch <i>Betula utilis</i>	• Fell to ground level and remove stump
11	Himalayan Birch <i>Betula utilis</i>	• Fell to ground level and remove stump
12	Himalayan Birch <i>Betula utilis</i>	• Fell to ground level and remove stump
13	Himalayan Birch <i>Betula utilis</i>	• Fell to ground level and remove stump
14	Himalayan Birch <i>Betula utilis</i>	• Fell to ground level and remove stump
15	Himalayan Birch <i>Betula utilis</i>	• Fell to ground level and remove stump
16	Himalayan Birch <i>Betula utilis</i>	• Fell to ground level and remove stump
17	Himalayan Birch <i>Betula utilis</i>	• Fell to ground level and remove stump
18	Himalayan Birch <i>Betula utilis</i>	• Fell to ground level and remove stump
19	Himalayan Birch <i>Betula utilis</i>	• Fell to ground level and remove stump
20	Silver Birch <i>Betula pendula</i>	• Fell to ground level and remove stump
21	Himalayan Birch <i>Betula utilis</i>	• Fell to ground level and remove stump
22	Pedunculate Oak <i>Quercus robur</i>	• Fell to ground level and remove stump
23	Pin Oak <i>Quercus palustris</i>	• Fell to ground level and remove stump
24	Pin Oak <i>Quercus palustris</i>	• Fell to ground level and remove stump

Tree No.	Species	Recommended Works
25	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
26	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
27	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
28	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
29	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
30	Pin Oak <i>Quercus palustris</i>	No works required for planning
31	Pin Oak <i>Quercus palustris</i>	No works required for planning
32	Pin Oak <i>Quercus palustris</i>	No works required for planning
33	Pin Oak <i>Quercus palustris</i>	No works required for planning
34	Pin Oak <i>Quercus palustris</i>	No works required for planning
35	Pear <i>Pyrus spp</i>	Fell to ground level and remove stump
36	Himalayan Birch <i>Betula utilis</i>	No works required for planning
37	Holm Oak <i>Quercus ilex</i>	No works required for planning
38	Goat Willow <i>Salix caprea</i>	Fell to ground level and remove stump
39	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
40	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
41	Pedunculate Oak <i>Quercus robur</i>	Fell to ground level and remove stump
42	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
43	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
44	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
45	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
46	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
47	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
48	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
49	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
50	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
51	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
52	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
53	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
54	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump

Tree No.	Species	Recommended Works
55	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
56	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
57	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
58	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
59	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
60	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
61	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
62	Flowering Cherry <i>Prunus spp</i>	No works required for planning
63	Flowering Cherry <i>Prunus spp</i>	No works required for planning
64	Flowering Cherry <i>Prunus spp</i>	No works required for planning
65	Flowering Cherry <i>Prunus spp</i>	No works required for planning
66	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
67	Pin Oak <i>Quercus palustris</i>	No works required for planning
68	Pin Oak <i>Quercus palustris</i>	No works required for planning
69	Pin Oak <i>Quercus palustris</i>	No works required for planning
70	Flowering Cherry <i>Prunus spp</i>	No works required for planning
71	Flowering Cherry <i>Prunus spp</i>	No works required for planning
72	Pin Oak <i>Quercus palustris</i>	No works required for planning
73	Pin Oak <i>Quercus palustris</i>	No works required for planning
74	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
75	Pin Oak <i>Quercus palustris</i>	No works required for planning
76	Hornbeam <i>Carpinus spp</i>	No works required for planning
77	Pin Oak <i>Quercus palustris</i>	No works required for planning
78	Pin Oak <i>Quercus palustris</i>	No works required for planning
79	Silver Birch <i>Betula pendula</i>	Make safe and retain for ecological benefit
80	Silver Birch <i>Betula pendula</i>	Make safe and retain for ecological benefit
81	Pedunculate Oak <i>Quercus robur</i>	No works required for planning
82	Pedunculate Oak <i>Quercus robur</i>	No works required for planning
83	Pedunculate Oak x2 <i>Quercus robur</i>	No works required for planning
84	Pedunculate Oak <i>Quercus robur</i>	No works required for planning

Tree No.	Species	Recommended Works
85	Holm Oak <i>Quercus ilex</i>	Make safe and retain for ecological benefit
86	Pedunculate Oak <i>Quercus robur</i>	No works required for planning
87	Pin Oak <i>Quercus palustris</i>	No works required for planning
88	Pin Oak <i>Quercus palustris</i>	No works required for planning
89	Pin Oak <i>Quercus palustris</i>	No works required for planning
90	Pin Oak <i>Quercus palustris</i>	No works required for planning
91	Pin Oak <i>Quercus palustris</i>	No works required for planning
92	Pin Oak <i>Quercus palustris</i>	No works required for planning
93	Pin Oak <i>Quercus palustris</i>	No works required for planning
94	Pin Oak <i>Quercus palustris</i>	No works required for planning
95	Pin Oak <i>Quercus palustris</i>	No works required for planning
96	Pin Oak <i>Quercus palustris</i>	No works required for planning
97	Wild Cherry <i>Prunus avium</i>	Fell to ground level and remove stump
98	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
99	Purple Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
100	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
101	Purple Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
102	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
103	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
104	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
105	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
106	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
107	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
108	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
109	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
110	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
111	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
112	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
113	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
114	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump

Tree No.	Species	Recommended Works
115	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
116	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
117	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
118	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
119	Flowering Cherry <i>Prunus spp</i>	Fell to ground level and remove stump
120	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
121	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stump
122	Pin Oak <i>Quercus palustris</i>	No works required for planning
123	Pin Oak <i>Quercus palustris</i>	No works required for planning
124	Pin Oak <i>Quercus palustris</i>	No works required for planning
125	Pin Oak <i>Quercus palustris</i>	No works required for planning
126	Silver Birch <i>Betula pendula</i>	Make safe and retain for ecological benefit
127	Pin Oak <i>Quercus palustris</i>	No works required for planning
128	Pin Oak <i>Quercus palustris</i>	No works required for planning
129	Common Lime <i>Tilia x europaea</i>	Crown lift and reduce back to provide 1m clearance to the road access edge and 4.5m clearance above
130	Common Lime <i>Tilia x europaea</i>	No works required for planning
131	Common Lime <i>Tilia x europaea</i>	No works required for planning
Grp 1	Hornbeam	No works required for planning
Grp 2	Silver Birch Pedunculate Oak Hazel Goat Willow Field Maple Dogwood	No works required for planning
Grp 3 TPO	Pedunculate Oak Hawthorn Hazel Common Ash	No works required for planning
Grp 4	Flowering Cherry x5	Fell to ground level and remove stumps
Grp 5	Flowering Cherry x3 Apple x1 Maple x1	Fell to ground level and remove stumps
Grp 6	Flowering Cherry x6	Fell to ground level and remove stumps
Grp 7	Ash x2 Photinia	Fell to ground level and remove stumps
Grp 8	Flowering Cherry	Fell to ground level and remove stumps
Grp 9	Pedunculate Oak x3 Hornbeam x2	Fell to ground level and remove stumps

Tree No.	Species	Recommended Works
Grp 10	Dogwood Holm Oak Dog Rose Scots Pine Pin Oak Buddleia Goat Willow	Remove northern end of group as indicated on the Tree Retention, Removal and Demolition Plan
Grp 11	Flowering Cherry Common Ash Holm Oak Dogwood Hawthorn Pedunculate Oak Silver Birch Buddleia Hazel	No works required for planning
Grp 12	Common Ash Hazel Field Maple Pedunculate Oak Goat Willow	No works required for planning
Grp 13	Common Hazel Dogwood Snowy Mesipilus	No works required for planning
Grp 14	Hazel Dogwood Hornbeam	Reduce and/or cut lateral branches back to allow for security fence installation
Grp 15	Snowy Mesipilus x2 Pedunculate Oak x1 Field Maple x1	Fell to ground level and remove stumps
Grp 16	Flowering Cherry x27	Fell to ground level and remove stumps
Grp 17	Snowy Mesipilus x3	Fell to ground level and remove stumps
Grp 18	Pine Dogwood Hornbeam Field Maple Snowy Mesipilus Pin Oak Wild Cherry	Fell to ground level and remove stumps
Grp 19	Dogwood Hornbeam Hazel Pin Oak Oak	Reduce and/or cut lateral branches back to allow for security fence installation
H1	Hornbeam	Fell to ground level and remove stumps
H2	Hornbeam	Fell to ground level and remove stumps
H3	Hornbeam	Fell to ground level and remove stumps
H4	Hornbeam	Fell to ground level and remove stumps
H5	Hornbeam	Fell to ground level and remove stumps
H6	Hornbeam	Fell to ground level and remove stumps
H7	Hornbeam	- Remove southwestern most end as indicated on Tree Retention, Removal and Demolition Plan - Continue annual trimming of retained section

Tree No.	Species	Recommended Works
H8	Hornbeam	Continue annual trimming
H9	Hornbeam	Fell to ground level and remove stumps
H10	Hornbeam	Fell to ground level and remove stumps
H11	Hornbeam	Fell to ground level and remove stumps
H12	Hornbeam	Fell to ground level and remove stumps
H13	Hornbeam	- Remove hedge as indicated on Tree Retention, Removal and Demolition Plan to retain the eastern end - Continue annual trimming of retained section
H14	Hornbeam	Continue annual trimming
H15	Hornbeam	Continue annual trimming
H16	Hornbeam	Continue annual trimming
H17	Hornbeam	Fell to ground level and remove stumps
H18	Hornbeam	Fell to ground level and remove stumps
H19	Hornbeam	Fell to ground level and remove stumps
H20	Hornbeam	Fell to ground level and remove stumps
H21	Hornbeam	Fell to ground level and remove stumps
H22	Hornbeam	Fell to ground level and remove stumps
H23	Hornbeam	Fell to ground level and remove stumps
H24	Hornbeam	Fell to ground level and remove stumps
H25	Hornbeam	Continue annual trimming

Should the 132kV substation option be brought forward the only additional changes to the above detailed tree works are listed below:

33	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stumps
34	Pin Oak <i>Quercus palustris</i>	Fell to ground level and remove stumps
36	Himalayan Birch <i>Betula utilis</i>	Fell to ground level and remove stumps
37	Holm Oak <i>Quercus ilex</i>	Fell to ground level and remove stumps
Grp 1	Hornbeam	Fell to ground level and remove stumps

- It is advised that all remedial tree works such as pruning is carried out between July and September or November and February. Tree works should also avoid the season for nesting birds.
- All tree works should be carried out in accordance with current best practice guidelines and BS3998: 2010 – Tree Works. Only natural target pruning method to be used.
- We recommend the use of an Arboricultural Association Approved Contractor or an ISA Certified Arborist/Tree Worker suitably insured and experienced to carry out the tree works.





SUMMARY OF TREE PROTECTION MEASURES

Introduction

This leaflet shall be issued to all site personnel as part of their induction briefing.

It describes in summary form, the precautions that site personnel shall at all times follow, to ensure that the existing trees on the site come to no harm.

The precautions described are neither arbitrary nor reducible and must be adhered to in full.

These precautions are necessary because unprotected trees are very vulnerable to damage during demolition and construction works.

Furthermore, many of the trees on the site are under LEGAL PROTECTION and damaging them can result in heavy fines.

Two common misconceptions about trees:

MYTH: Trees have deep taproots and so shallow excavations will not harm the tree.

FACT: 90% of all tree's roots are found in the top 600mm of soil; all excavations near to trees are likely to cause root damage which can kill the tree.

MYTH: Trees will quickly heal over any bark wound, with no ill effect.

FACT: Bark wounds take years to heal and larger ones never do; missing bark can lead to disease and even the death of the tree.

Tree Protection

All trees adjacent to unsupervised work areas have been protected by fencing.

This fencing must be respected at all times and no attempts shall be made to damage, bypass or ignore it.

In areas designated for supervised working, no works shall be undertaken without the supervisor being present or without him/her issuing a "carry on" chit.

Prohibitions Adjacent to Trees

Inside the exclusion area of the tree protection, the following prohibitions shall apply.

- No digging or scraping
- No storage of plant or materials
- No vehicular access
- No fire lighting
- No handling, discharge or spillage or any chemical substance
- No water-logging

In addition to the above, further precautions shall be taken near to trees.

- A 10m separation distance shall be observed between trees and any substance injurious to their health, including fuels, oil, bitumen, cement (including washings) builders' sand, concrete mixing and other chemicals.
- No fire shall be lit such that flames come within 5m of any foliage; this shall be taken to mean a fire separation distance to the leaves of 20m.

Avoiding Damage to Stem and Branches

Care shall be taken when planning site operations to ensure that wide or tall loads or plant with booms, jibs and counterweights, can operate without coming into contact with trees.

Consequently, any transit or traverse of plant in proximity to trees shall be conducted under the supervision of a spotter to ensure that adequate clearance is at all times maintained.

In some circumstances, it may be impossible to achieve this, necessitating the pruning of the tree.

If this is necessary, a specialist team shall be called in following referral to the project Arboriculturist.

No tree pruning shall be undertaken by demolition or construction personnel.

Asking for Help

If you see any damage to a tree or its protective fencing, or if you need a tree pruning for plant clearance, contact **CBA Trees** as follows:

Office Telephone: 02380 986229

**REMEMBER:
ALL TREE DAMAGE
IS AVOIDABLE –
SO AVOID IT!**



**PROTECTIVE BARRIERS.
THESE BARRIERS MUST BE
MAINTAINED IN ACCORDANCE
WITH THE APPROVED PLANS
AND DRAWINGS FOR THIS
DEVELOPMENT.**



**TREE PROTECTION AREA
KEEP OUT !**

(TOWN & COUNTRY PLANNING ACT 1990)

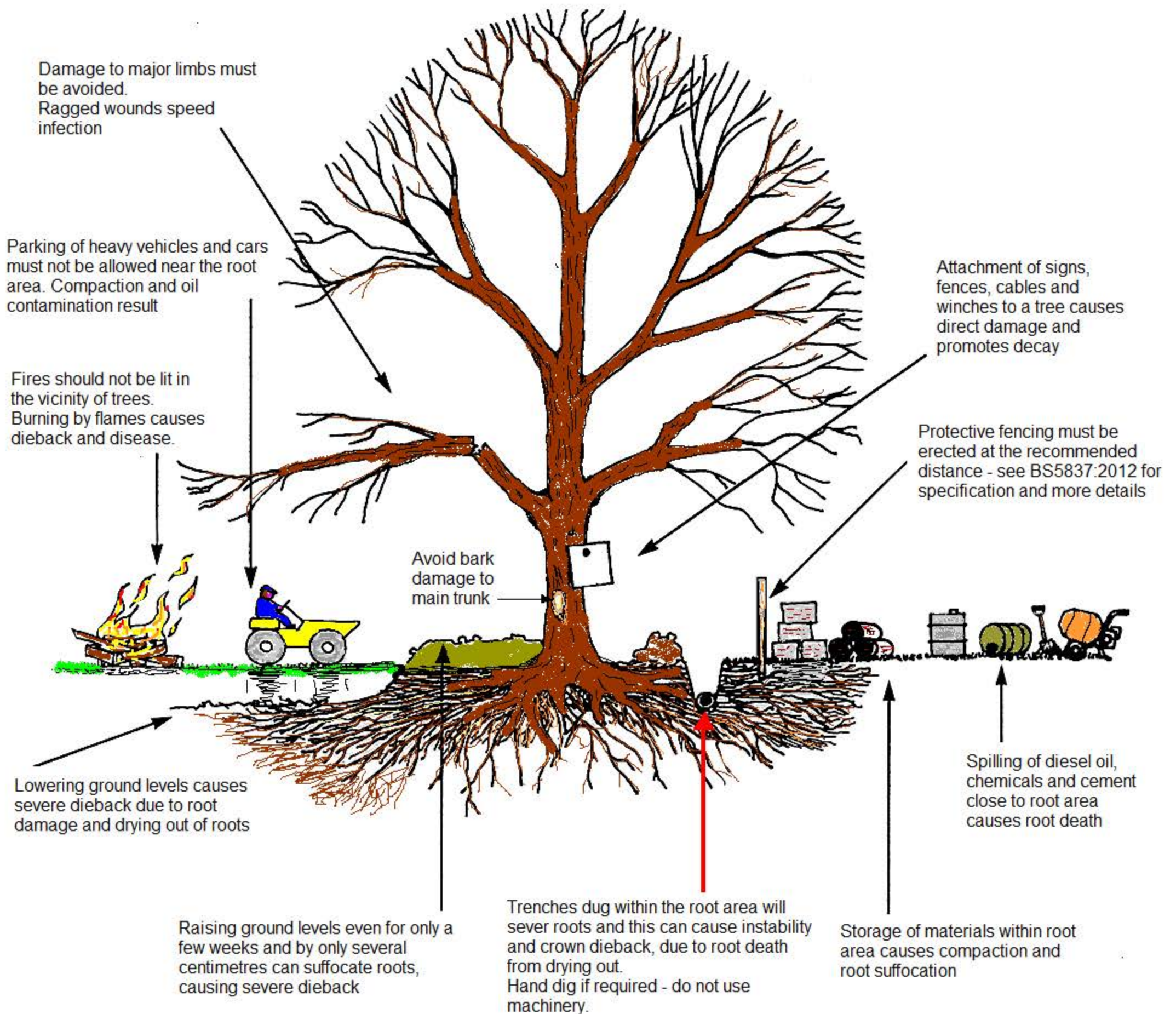
**TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY
PLANNING CONDITIONS AND/OR ARE THE SUBJECTS OF A
TREE PRESERVATION ORDER.**

**CONTRAVENTION OF A TREE PRESERVATION ORDER MAY
LEAD TO CRIMINAL PROSECUTION**

**ANY INCURSION INTO THE PROTECTED AREA MUST BE
WITH THE WRITTEN PERMISSION OF THE LOCAL
PLANNING AUTHORITY**

COMMON CAUSES OF TREE DEATH

The use of properly positioned protective barriers can prevent tree deaths occurring.







The Professional Arboricultural Consultancy

Qualifications of Stefan Rose Principal Consultant

Stefan Rose *BSc (Hons), TechCert (Arbor.A), TechArbor.A*, joined CBA Trees in 1998 as a junior surveyor and having gained extensive knowledge and a wealth of experience over the years including Professional Tree Inspectors Certification (LANTRA), has progressed to Principal Consultant. He has considerable experience in working as a locum for Local Authorities, assessing new and extant Tree Preservation Orders, and continues to work on a number of major development projects nationwide.

As our Principal Consultant Stefan undertakes a full range of arboricultural services from health and safety audits to BS5837:2012 tree surveys, providing expert advice and guidance on initial feasibility site assessments to full scale planning applications. He is accomplished at producing implication assessments and method statements for the submission of planning applications, working with both individual home owners and within multi-disciplinary teams to achieve successful arboricultural outcomes.