

Sylva Consultancy
expert arboricultural advice

Arboricultural Report

Land at The Abbey School
(Kensington & Abbey Gardens)
Reading
Berkshire
RG2 7AR

May 2018

Ref: 18056

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1. OBJECTIVES

- 1.1 Instructions were received to carry out an arboricultural report in accordance with British Standard 5837:2012 at land at The Abbey School, Reading (Appendix 1). This report advises on tree constraints in order to enable an informative approach to planning decisions.
- 1.2 The following document has been provided:
 - Topographical Survey, DWG No 110/9916/1 dated August 2017.

2. TREE SURVEY

- 2.1 The first phase of data collected for the tree survey was carried out during August 2017 with additional tree survey data collected in May 2018.
- 2.2 The tree survey assessment was carried out in accordance with British Standard 5837:2012 'Trees in relation to Design, Demolition and Construction - Recommendations' and good arboricultural practice. This is a basic data collection exercise and a record of the trees condition at the time of surveying.
- 2.4 Information received from Reading Borough Council (RBC) details that select trees within the grounds of Kensington and Abbey Gardens are subject to Tree Preservation Orders (TPO) 84/04 and 63/05 (Appendix 2).
- 2.5 A TPO *'prohibits the cutting down, uprooting, topping, lopping, wilful damage or wilful destruction to protected trees or woodlands unless permission has been granted by the LPA'*.
- 2.6 In addition to the above TPO's trees located at Kensington are situated within Christchurch Road Conservation Area. Trees in a Conservation Area that are not protected by a TPO are protected by the provisions in section 211 of the Town and Country Planning Act 1990.
- 2.7 In addition The Wildlife & Countryside Act 1981, as amended by the Countryside Rights of Way Act 2000, provides statutory protection to birds, bats and other species that inhabit trees. These have the potential to pose additional constraints on the use and timings of works that may occur to trees located at or adjacent to the site. These issues are beyond my expertise and it is strongly recommended that appropriate advice is sort prior to the implementation of any works considered within this report.

3. TREE INSPECTION METHODOLOGY

- 3.1 Trees identified within the above site survey drawing were assessed visually from ground level by a person qualified and experienced in arboriculture.
- 3.2 Whilst this report considers amongst other things, the trees structural condition, it does not form a detailed health and safety inspection. However, where significant defects are visually identified, remedial works may be included within the tree survey schedule. As a baseline, works that would be identified as part of a regular inspection carried out by a prudent land owner i.e. removal of deadwood or remedial works would not be highlighted in this report. However, should development occur it is recommended that the trees are re-inspected following final design and a tree works schedule drawn up. This should consider Health & Safety and facilitative pruning in accordance with the design layout.
- 3.3 For the purpose of clarity, all trees assessed are identified by a reference number within the Tree Survey Schedule (Appendix 3) which corresponds with the Tree No. recorded on the Tree Constraints Plans.
- 3.4 The tree species and their dimensions are recorded in the Tree Survey Schedule together with the trees age, physiological and structural condition and a category code in accordance with the guidelines set out in the British Standard 5837:2012.
- 3.5 Offsite tree T18 (Cherry) has ivy covering the main stem and as a result it has not been possible to undertake an appropriate assessment in the context of the British Standard 5837:2012. In this instance a provisional category grading has been assigned and expressed in italics within the Tree Survey Schedule. It is recommended that the ivy is severed and the category code re-evaluated once the ivy has died back and the tree has been re-inspected.
- 3.6 Where a tree's crown is heavily asymmetrical, the crown radius for each cardinal compass point is given. Together with the height and direction of growth of the first significant branch and the canopy height above ground level, this provides a good guide to the size and outline form of the tree. The estimated life expectancy in context of the species is provided as guidance only. In some instances an alternative life expectancy has been provided than what is recommended within the British Standard 5837:2012. This alternative life expectancy guideline is based on my experience and the current age and environment that the tree is growing in.
- 3.7 Details of the root protection area around each individual tree is provided within Appendix 5 and illustrated on the Tree Constraints Plans (Appendix 5, 6 & 7) to assist in the assessment of the site layout and the likely impact of construction works proposed within close proximity of the trees that are to be retained.

4. SITE DESCRIPTION & OBSERVATIONS

- 4.1 Only select trees at Kensington and Abbey Gardens have been surveyed for the purpose of this report. At Kensington the main school building is set back from Christchurch Road with the majority of the trees surveyed located adjacent to the northern and western boundaries. In front of the main building is an area of existing hard standing with modest soft ground areas located adjacent to Christchurch Road and Vicarage Road. The site is roughly rectangular in shape and flat.
- 4.2 At Abbey Gardens the trees that have been surveyed are adjacent to northern boundary (Christchurch Gardens) and eastern boundary (Northumberland Avenue). The trees provide a welcome green screen to the site and contribute both to the visual amenity of the school and wider landscape.
- 4.3 The British Standard 5837:2012 recommends that the tree survey should include all trees highlighted on the topographical survey. A total of 35 trees have been recorded within this assessment. This included 2 category 'A' trees, 20 category 'B' trees, 12 category 'C' trees and 1 category 'U' tree. In addition 2 category 'C' groups have also been documented.
- 4.4 To summarise trees assessed as category 'A' trees are considered as trees of high quality with an estimated life expectancy of at least 40 years; Category 'B' trees of moderate quality with an estimated life expectancy of at least 20 years with Category 'C' trees considered as low quality with a life expectancy of at least 10 years (or young trees with a stem diameter of less than 150mm). Please refer to Appendix 2 'Cascade Chart' for full details of the tree quality assessment.
- 4.5 From the information provided it has been assessed that tree T17, Copper Beech, located at Kensington is subject to TPO 84/04, with the following trees at Abbey Gardens also interpreted as being subject to TPO 63/05: T21, T22 & T23 Holm Oak x 3, T34 Horse Chestnut & T35 Yew.
- 4.6 Please note that comments regarding the Tree Preservation Order are only interpreted from the document received for the purpose of this report. As such to ensure that the interpretation of the information is reliable it is advised that Reading Borough Council are contacted for clarification of which trees are subject to the above TPO's.
- 4.7 The tree stock is predominantly confined to the boundaries of Kensington and Abbey Gardens, with only offsite trees being recorded adjacent to the Netball Courts. It is considered that the most significant trees within the potentially developable area are the category 'A' and 'B' trees. Notwithstanding this merit must also be given to the contribution that the lower grade trees and groups provide to the site. As such it is recommended that due consideration regarding their retention, should development occur is undertaken as they have the potential to provide useful softening and screening to development.

5. DISCUSSION

- 5.1 With regard to development the BS5837:2012 recommends that the default position should be that structures are located outside the root protection areas (RPA) of trees to be retained. However, where there is an overriding justification for construction within the RPA, technical solutions might be available that prevent damage to the tree(s). In addition the BS5837:2012 further states that there is the need to avoid misplaced tree retention; for example, to attempt to retain too many trees on a site may result in excessive pressure on the trees during the development work and subsequent demands for their removal post development.
- 5.2 General observations note that the 'A' and 'B' category trees surveyed are noteworthy features of the site and as such it is recommended that the design takes the constraints of the trees into consideration. In addition post development concerns, such as future growth and fear & apprehension of the proximity of these trees should also be assessed during the design stage.
- 5.3 The trees that have been recorded as 'C' category trees indicate their landscape value is reduced when compare to 'A' and 'B' trees. Notwithstanding this consideration for the retention of these groups and areas should be given to provide continued screening and tree cover to the site.
- 5.4 To assist further with the design process it is recommended that the following is taken into consideration: the existing root protection areas of trees to be retained; continued future growth requirements of retained trees; juxtaposition with buildings & amenity spaces and the routing of new services. Provision to ensure that there are suitable areas for mitigating tree planting should also be explored. Please note this list is not exhaustive.
- 5.5 It is anticipated that Reading Borough Council will require the submission of an arboricultural implications assessment (AIA) to accompany any future applications for development at the site. The AIA should take into account the effects of any tree loss required to implement the design and any potentially damaging activities proposed in the vicinity of retained trees. Such activities might include the removal of existing structures/hard surfacing; installation of new hard surfacing; installation of services and location and dimensions of proposed excavation or changes in ground level. In addition to the impact of the permanent work account should be taken of the buildability of a scheme in terms of access, adequate working space and provision the storage of materials.

APPENDIX 1

Site Location Plan



LOCATION PLAN

0 50 70 90 110 130 150 M

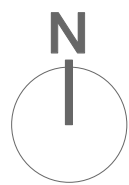
Scale 1:1250 @ A1



BLOCK PLAN

0 25 35 45 55 65 M

Scale 1:1250 @ A1



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Project
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Remodel and Extension
Client
The Abbey Junior School
Christchurch Road, Reading

Scale
A1
170184.vwx

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A 08/05/18 LA CS PLANNING ISSUE

Rev Date By Ap Note

Drawing Title
Existing Location and Block Plan

Project Number Drawing Number Revision

170184 P(0)100 A

Date Drawn Checked Status

14/12/17 GW CS PLANNING

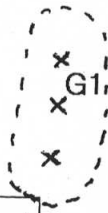
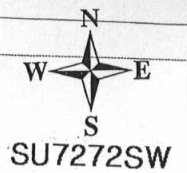
Check all dimensions and levels on site

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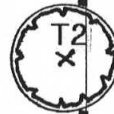
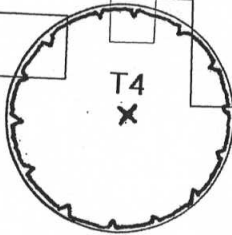
APPENDIX 2

Extract of Tree Preservation Order 63-05

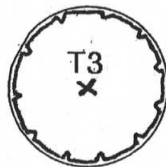
CHRISTCHURCH GARDENS



12



NORTHUMBERLAND AVENUE



2a

Warwick House

Court

[Signature]
Authorised
Signatory

1 to 10

2

3

- T1 - *Eucalyptus gunnii* (Cider Gum)
- T2 - *Acer platanoides* (Norway Maple)
- T3 - *Aesculus hippocastanum* (Horse Chestnut)
- T4 - *Fagus sylvatica* (Common Beech)
- T5 - *Aesculus hippocastanum* (Horse Chestnut)
- T6 - *Taxus baccata* (Common Yew)

G1 - 3 No. *Quercus ilex* (Holm Oak)

Title: Tree Preservation Order : 12 Christchurch Gardens, Reading

Drg.No.: E2270

Produced by GIS & Mapping Services

Date: MAY 2005 Scale at A4: 1:500

Ref: 393971



APPENDIX 3

Tree Survey Schedule

KEY TO TREE SCHEDULE

Tree No: Relates to individual trees identified within the Tree Survey Schedule and Tree Constraints Plan

Species: Common name

Height: Estimated height expressed in meters

ST: Stem diameter of the main trunk taken at 1.5m above ground level or in accordance with Annex C BS5837:2012.

Height in M of Canopy: Information of the first significant branch and direction of growth in order to inform on ground clearance.

Abbreviations: #: Estimated
Ave: Average
A.G.L: Above ground level
SULE: Safe Useful Life Expectancy

Branch Spread: Estimated crown radius expressed in meters, taken for each cardinal compass point.

Age Class: Y Young - Less than one third of natural life expectancy
SM Middle aged - One to two thirds of natural life expectancy
M Mature - More than two thirds of natural life expectancy
OM Over mature
V Veteran
NP Newly Planted

Physiological Condition: G Good
F Fair
P Poor
D Dead

Notes:

Root Protection Area: This is a layout tool indicating the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's viability and where the protection of the roots and soil structure is treated as a priority (detailed in paragraph 3.7 British Standard 5837:2012 'Trees in relation to Construction-Recommendations').

Young trees with a stem diameter of less than 150mm: Whilst the presence of young trees of good form and vitality is generally desirable (i.e those which have the potential to develop into quality mature specimens), they need not necessarily be a significant constraint on the site's potential (detailed in paragraph 4.5.10 British Standard 5837:2012 'Trees in relation to Construction-Recommendations').

Table 1 Cascade chart for tree quality assessment

Category and definition	Criteria (including subcategories where appropriate)			Identification on plan
Trees unsuitable for retention (see Note)				
Category U Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years	- Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning) - Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline - Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality <i>NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7.</i>			Dark Red
	1 Mainly arboricultural qualities	2 Mainly landscape qualities	3 Mainly cultural values, including conservation	
Trees to be considered for retention				
Category A Trees of high quality with an estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)	Light Green
Category B Trees of moderate quality with an estimated remaining life expectancy of at least 20 years	Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality	Trees with material conservation or other cultural value	Mid Blue
Category C Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefits	Trees with no material conservation or other cultural value	Grey

TREE NO.	SPECIES	HT (M)	CALCULATED STEM DIA (MM)	BRANCH SPREAD				HEIGHT IN M OF CANOPY	AGE CLASS	PHYS. COND	COMMENTS	REMAINING CONTRIBUTION (EST YEARS)	CATEGORY GRADING
				N	E	S	W						
Kensington													
T1	Norway Maple	13	258	3.6	4.8	2.6	1.5	3n	SM	F	Growing in the existing front parking area of the school. Etiolated in form. Contributes to the greening of the site.	10-20	C2
T2	Copper Beech	19	740	5.6	8.2	7	5.4	2.5w	M	G	Growing in the existing front parking area of the school. Growing in hard standing. Prominent feature in the street scene. Foliage growing over the existing adjacent single storey building.	40+	A1
T3	Yew	8	352	4	3.8	4	3	3e	M	F	Growing in the existing front parking area of the school. Adjacent to BT pole and wires. Adjacent to the western boundary. Provides lower level screening. Sparser canopy compared to T4.	10-20	C2
T4	Yew	7.5	255	2.2	2.4	3.3	3.5	1.8n	M	F	Growing in the existing front parking area of the school. Growing in raised ground. Growing adjacent to the western boundary. Provides lower level screening and suppressed by Lime.	20-40	B2
T5	Lime	19	655	5	5	5	4.3	4n	M	G	Growing in the existing front parking area of the school. Deadwood over adjacent pavement. Prominent feature in the street scene. Growing in raised ground.	40+	A1
T6	Sycamore	18	497	4.5	4.5	4.8	4.8	4n	M	F	Growing adjacent to Christchurch Road within an area of soft ground. Crown lifted in the past. Contributes to the greening of the site.	20-40	B2
T7	Holly	6	151	2.3	2	2.8	2.7	N/A	SM	F	Growing adjacent to Christchurch Road within an area of soft ground. Not regarded as a constraint. X1 stem recently pruned to the base. Multistem specimen. Lower end of the 'C' category.	10-20	C2
T8	Hornbeam	16	545	6	5.5	6.7	4.5	3n	M	G	Growing adjacent to the front boundary. Limited soft verge. Hard standing to the north, east and south. Car parking area to the west.	20-40	B2
T9	Laburnum	7	315	1.4	3	3.4	2.2	2w	M	F	x3 at the base. Contributes to the greening of the site. Included unions. Lower end of the 'C' category. Not a constraint.	10-20	C2
T10	Yew	8	285	2.5	3.3	2.6	2.8	2	M	G	Growing adjacent to boundary with Vicarage Road- provides screening to the site.	20-40	B2
T11	Sycamore	11	280	1.6	3.4	2.8	2.8	2.5e	SM	F	Growing adjacent to boundary with Vicarage Road- provides screening to the site. Contributes to boundary screening to the site-potential to further develop.	20-40	B2
T12	Yew	9	438	4.3	3.2	2.8	3	3e	M	G	Growing adjacent to boundary with Vicarage Road- provides screening to the site.	20-40	B2
T13	Yew	4	202	3	1.6	1	1.8	2n	SM	F	Growing adjacent to boundary with Vicarage Road- provides screening to the site. Becoming shaded out by T12 and T14-younger planting than adjacent Yews.	10-20	C2
T14	Yew	9	465	3	2.6	4	3.2	3s	M	G	Growing adjacent to boundary with Vicarage Road- provides screening to the site. X2 at 1m above ground level.	20-40	B2

TREE NO.	SPECIES	HT (M)	CALCULATED STEM DIA (MM)	BRANCH SPREAD				HEIGHT IN M OF CANOPY	AGE CLASS	PHYS. COND	COMMENTS	REMAINING CONTRIBUTION (EST YEARS)	CATEGORY GRADING
				N	E	S	W						
T15	Yew	6	295	3.2	3	3	2.8	2.5n	SM	F	Located within central area between school buildings. Contributes to greening of the site. X2 at 0.7m above ground level. Scaring noted on main stem.	10-20	C2
T16	Holly	8	250	2.8	2	2	2.7	2.5s	SM	F	Located within central area between school buildings. Becoming shaded out by T17- location will limit SULE	10-20	C2
T17	Copper Beech	17.5	870	7	6.6	7	4.6	3.5s	M	F	Located within central area between school buildings. Feature tree in school grounds.	20-40	B1
Netball Courts													
T18	Cherry	12	#380	4.2	2.8	4.3	3.5	N/A	M	F	Offsite tree- contributes to boundary screening- no access- dimensions estimated. Ivy on main stem.	20-40	B1
G1	Mixed sp	Ave 6	Ave #200	1.5	1	1.5	2	N/A	M	F	Predominantly Conifers and x 2 SS Sycamore with understory hedge of Berberis. NO access. Offsite group- dimensions estimated. Useful boundary screening.	10-20	C2
Abbey Gardens													
T19	Lime	15	365	3.5	4.5	3	2.3	2	M	F	Growing adjacent to the boundary- useful boundary screening. Epicormics on main stem- will require pruning.	20-40	B2
T20	Lime	18	500	4	4	3.8	4	4.5w	M	F	Growing adjacent to the boundary- useful boundary screening. Basal suckers present- recommend to remove.	20-40	B2
T21	Holm Oak	15	541	1.5	5	6	4	N/A	M	F	1 of 3 Holm Oaks set back from boundary. Contributes to the screening of the site. X 2 at base.	20-40	B2
T22	Holm Oak	15	462	3.3	5	1	5.8	N/A	M	F	1 of 3 Holm Oaks set back from boundary. Contributes to the screening of the site. X 2 at ground level.	20-40	B2
T23	Holm Oak	15	378	4.2	2	1	4.6	N/A	M	F	1 of 3 Holm Oaks set back from boundary. Contributes to the screening of the site. Shaded out by T22	20-40	B2
T24	Sycamore	9	163	2	2.4	0	0	2.5n	SM	F	Contributes to the boundary screening- not regarded as a significant constraint. Low end category 'C'.	10-20	C2
T25	Sycamore	10	200	3.5	0	2	3	3n	SM	F	Contributes to the boundary screening- not regarded as a significant constraint. Leans towards road - low end of category 'C'.	10-20	C2
T26	Hawthorn	6	93	2.5	0	0	0	N/A	Y	F	Contributes to the boundary screening- not regarded as a significant constraint. Etiolated. Shaded out by T27. Low end category 'C'.	10-20	C2
T27	Yew	9	366	3	2.7	3.5	4	1.5n	M	F	Growing adjacent to the boundary- useful boundary screening. X 3 at base- epicormics on lower stem.	20-40	B2
T28	Fastigate Yew	1.8	139	0.5	0.5	0.5	0.5	GL	Y	P	Constant conflict with parking area. Recommend to remove.	<10	U
T29	Yew	7.5	403	2.7	2.8	3	3	2n	M	F	Growing adjacent to the boundary- useful boundary screening. X 3 at base.	20-40	B2

TREE NO.	SPECIES	HT (M)	CALCULATED STEM DIA (MM)	BRANCH SPREAD				HEIGHT IN M OF CANOPY	AGE CLASS	PHYS. COND	COMMENTS	REMAINING CONTRIBUTION (EST YEARS)	CATEGORY GRADING
				N	E	S	W						
T30	Hawthorn	3.5	140	2	2.5	1	2	N/A	SM	F	Contributes to the boundary screening- not regarded as a significant constraint. Direct contact with existing fence- shaded out by T29.	10-20	C2
T31	Lime	17.5	538	4.5	4	4	2.8	3e	M	F	1 of 2 tress adjacent to existing access. Prominent in street scene. Epicormics on main stem- will need removing.	20-40	B2
T32	Lime	16	640	5	2.7	3	3.5	3.5n	M	F	1 of 2 tress adjacent to existing access. Prominent in street scene. Epicormics on main stem- will need removing.	20-40	B2
T33	Yew	4	103	1	2.5	2	2	GL	SM	F	Contributes to the boundary screening- not regarded as a significant constraint. Has been recently tipped back to fence on north side. Close proximity to existing fence.	10-20	C2
T34	Horse Chestnut	16.5	790	3	4.6	5	4	2.5e	M	F	Set back from front boundary. Contributes to greening of the site.	20-40	B2
T35	Yew	10.5	440	4.4	4.2	3.5	4	2.5w	M	F	Set back in the site adjacent to existing school building. Contributes to the greening of the site. Canopy appears a little sparse. Slightly raised ground when compared to existing tarmac area.	20-40	B2
G2	Holly	Ave 6	Ave 130	2	2.5	2	2	1.8	SM	F	Contributes to boundary screening- not regarded as a significant constraint.	10-20	C2

APPENDIX 4

Root Protection Areas

ROOT PROTECTION AREA

TREE NO.	SPECIES	NO. OF STEMS	SINGLE STEM DIA (mm)	2-5 STEMS					> 5 STEMS	ROOT PROTECTION AREA - RPA (RADIUS IN M)	RPA (M ²)	REMAINING CONTRIBUTIO N (EST YEARS)	CATEGORY GRADING
				STEM 1 (mm)	STEM 2 (mm)	STEM 3 (mm)	STEM 4 (mm)	STEM 5 (mm)	MEAN STEM DIA (mm)				
Kensington													
T1	Norway Maple	1	258							3.10	34	10-20	C2
T2	Copper Beech	1	740							8.88	255	40+	A1
T3	Yew	1	352							4.22	55	10-20	C2
T4	Yew	1	255							3.06	28	20-40	B2
T5	Lime	1	655							7.86	191	40+	A1
T6	Sycamore	1	497							5.96	113	20-40	B2
T7	Holly	4		58	90	80	70			1.81	10	10-20	C2
T8	Hornbeam	1	545							6.54	137	20-40	B2
T9	Laburnum	3		210	145	185				3.78	48	10-20	C2
T10	Yew	1	285							3.42	41	20-40	B2
T11	Sycamore	1	280							3.36	34	20-40	B2
T12	Yew	1	438							5.26	92	20-40	B2
T13	Yew	1	202							2.42	18	10-20	C2
T14	Yew	2		310	346					5.57	102	20-40	B2
T15	Yew	2	218	295						3.54	41	10-20	C2
T16	Holly	1	250							3.00	28	10-20	C2
T17	Copper Beech	1	870							10.44	346	20-40	B1
Netball Courts													
T18	Cherry	1	380							4.56	64	20-40	B1
G1	Mixed species	1	200							2.40	18	10-20	C2
Abbey Gardens													
T19	Lime	1	365							4.38	64	20-40	B2
T20	Lime	1	500							6	113	20-40	B2
T21	Holm Oak	2		374	391					6.49	137	20-40	B2
T22	Holm Oak	2		383	258					5.54	102	20-40	B2
T23	Holm Oak	1	378							4.54	64	20-40	B2
T24	Sycamore	1	163							1.96	14	10-20	C2
T25	Sycamore	1	200							2.40	18	10-20	C2
T26	Hawthorn	1	93							1.12	5	10-20	C2
T27	Yew	3		134	208	270				4.39	64	20-40	B2
T28	Fastigate Yew	3		80	80	80				1.66	10	<10	U
T29	Yew	3		164	330	163				4.84	72	20-40	B2
T30	Hawthorn	1	140							1.68	10	10-20	C2

ROOT PROTECTION AREA

TREE NO.	SPECIES	NO. OF STEMS	SINGLE STEM DIA (mm)	2-5 STEMS					> 5 STEMS	ROOT PROTECTION AREA - RPA (RADIUS IN M)	RPA (M ²)	REMAINING CONTRIBUTION (EST YEARS)	CATEGORY GRADING
				STEM 1 (mm)	STEM 2 (mm)	STEM 3 (mm)	STEM 4 (mm)	STEM 5 (mm)	MEAN STEM DIA (mm)				
T31	Lime	1	538							6.46	137	20-40	B2
T32	Lime	1	640							7.68	191	20-40	B2
T33	Yew	1	103							1.24	5	10-20	C2
T34	Horse Chestnut	1	790							9.48	290	20-40	B2
T35	Yew	1	440							5.28	92	20-40	B2
G2	Holly	1	130							1.56	7	10-20	C2

APPENDIX 5

Tree Constraints Plan: Kensington

Tree Preservation Order No. 64-34		
Reading Borough Council		
Tree Preservation Order Identification No.	Tree No. on Tree Constraints Plan	Tree Species
Individual Order No. NOT KNOWN	T17	Copper Beech



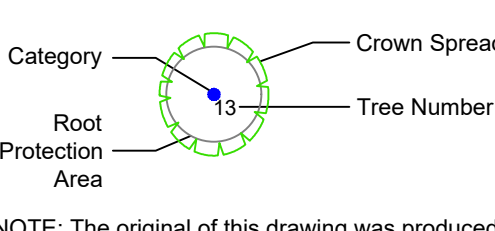
Sylva Consultancy

Tel: 01865 872 945 Mobile: 07976 596 517
e-mail: mail@sylvaconsultancy.co.uk
The Oxford Boaters Box, Woodstock Road, Oxford, OX2 7AH

Site: Abbey School, Kensington	1-200@A1
Drawing Title: Tree Constraints Plan	Rev A, May 2018

Key:

- Category A
- Category B
- Category C
- Category U



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



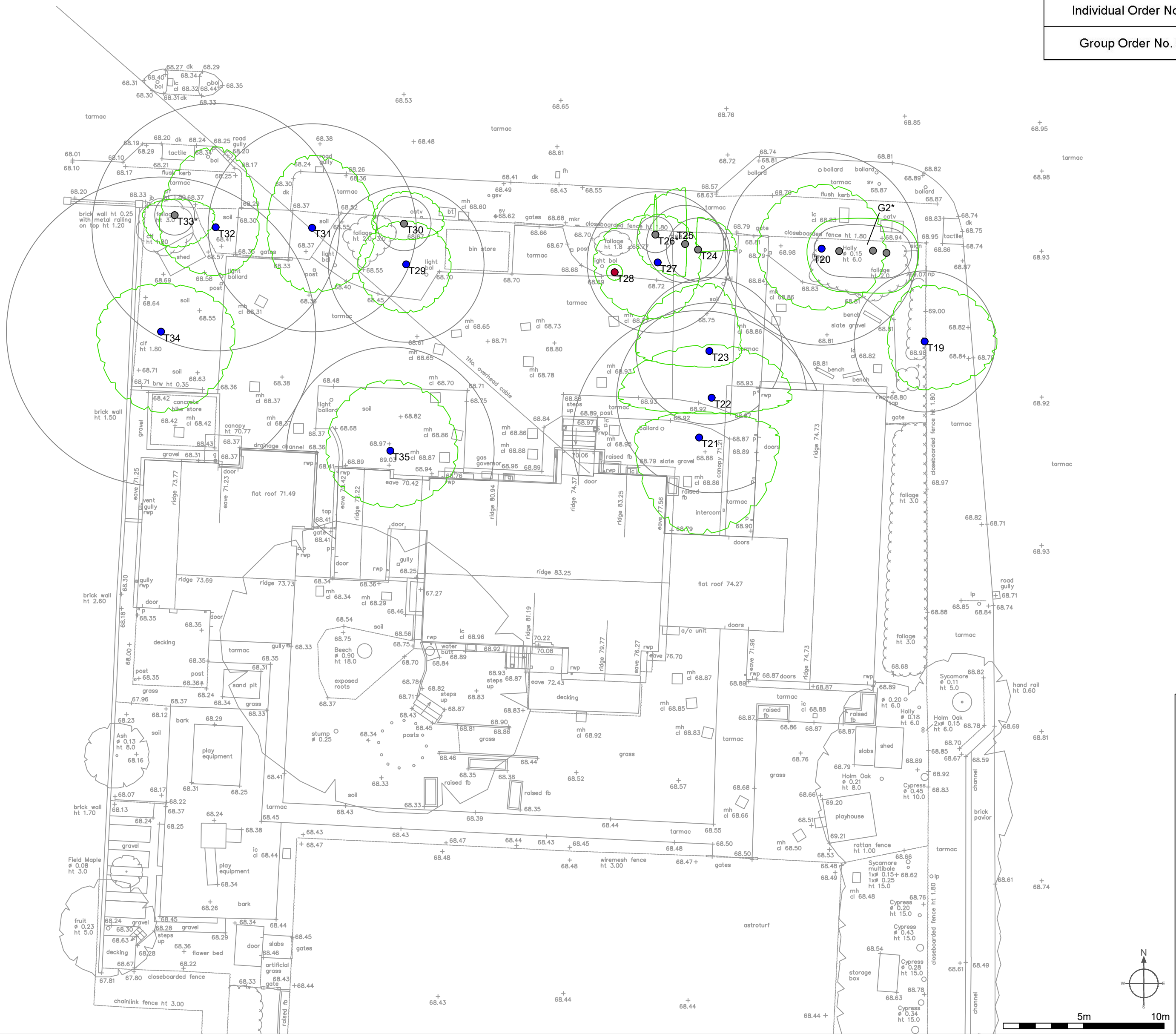
5m 10m

APPENDIX 6

Tree Constraints Plan: Netball Courts

APPENDIX 7

Tree Constraints Plan: Abbey Gardens



Tree Preservation Order No. 63-05		
Reading Borough Council		
Tree Preservation Order Identification No.	Tree No. on Tree Constraints Plan	Tree Species
Individual Order No. T5	T34	Horse Chestnut
Individual Order No. T6	T35	Yew
Group Order No. G1	T21, T22 & T23	Holm Oak x 3

Sylva Consultancy

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e-mail: mail@sylvaconsultancy.co.uk
The Oxford Boaters Box, Woodstock Road, Oxford, OX2 7AH



Site: Abbey School, Abbey Gardens	1-200@A2
Drawing Title: Tree Constraints Plan	May 2018

Key:

- Category A
 - Category B
 - Category C
 - Category U
- Category Crown Spread Tree Number Root Protection Area

NOTE: Tree/group numbers marked with an * have approximate locations.
The original of this drawing was produced in colour - a monochrome copy should not be relied upon.