



HYDRUS TREE WORKS

AWE Aldermaston

Tree Survey Schedule

Prepared by:

RPS

In association with AWE

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Planning & Development

Status:	Date:	Author:	Checked:	Rev:
For Comment	02/04/09	DR/CC	NJ	B

The tree survey involved a brief visual inspection from the ground of individual specimens and groups of trees in order to record their amenity value and general condition. Where observed, the general condition of all the trees has been noted. The survey does not constitute a full arboricultural condition assessment involving the detailed inspection of trees in relation to their structural condition, decay, and any other physical and pathogenic defects.

Tree Ref No:	Reference number of individual specimens, groups of trees, woodlands and hedgerows that are also recorded on the tree survey plan.	
Species	Latin (<i>italic lettering</i>) and Common names used where possible to aid identification on site.	
Height (m)	Estimated height of canopy to nearest metre.	
Crown Spread	Estimated spread of canopy taken for the four cardinal points to nearest metre.	
Stem diameter @ 1.5m (m)	Diameter of trunk at 1.5m above ground level in metres unless otherwise indicated, multi-stemmed trees being measured at their root flare.	
Stem No.	Number of stems (if necessary) of individual tree. Or tree tag number (if present)	
Height of crown clearance (m)	Estimated height of clear stem/crown clearance above ground level in metres.	
Age class	Expressed as:-	Y (Young) MA (Middle Aged) M (Mature) OM (Over-mature) V (Veteran)
Physical Condition	Apparent condition expressed as the following categories, based upon a brief visual inspection from the ground only:-	Good Fair Poor Dead
Comments / Management Recommendations	Other relevant information not covered by the above including any obvious physical defects. Also preliminary recommendations for arboricultural work, further investigation or potential for wildlife habitats (not exhaustive).	
Estimated remaining contribution (years)	Estimated remaining contribution in years expressed as less than 10, 10-20, 20-40, more than 40.	
Tree Quality Assessment Value	Category grading with regards to BS 5837:2005, expressed as:-	A (Trees/Vegetation of high quality and value) B (Vegetation of moderate quality and value) C (Trees/Vegetation of low quality and value) R (Trees/Vegetation recommended for removal or with a remaining contribution of less than 10 years)

Tree survey schedule

Site: AWE Aldermaston, Hydrus

Revision: B

Dwg Reference: JSL1692_001

Project Ref: JSL1692

Date of survey: 23.02.09

Surveyor: CC/DR

*Resurvey 06.07.09

Surveyor: DC

Tree Ref No:	Species	Height (m)	Crown spread (m)				Stem diameter @ 1.5m (m)	Stem No.	Height of crown clearance (m)	Age class	Physical condition	Comments / Management recommendations	Estimated remaining contribution (years)	BS Category
			N	E	S	W								
1	<i>Quercus robur</i> Oak	15	5	6	6	6	Ave 0.5	373	3	M	Fair/Good	Multi-trunked solitary specimen on slightly raised plate, lower epicormic growth and deadwood stubs [protective fenced to RTA].	+20	B
2	<i>Quercus robur</i> Oak	13	5	5	3	4	0.60	372	3	M	Fair/Good	Surface rooted/buttrressing at base.	+20	B
3	<i>Quercus robur</i> Oak	13	2	5	6	5	0.60	371	3	M	Fair/Good	Bias to the south. High surface roots.	+20	B
4	<i>Betula pendula</i> Birch	15	4	4	3	2	0.30	370	5	OM	Fair	North leaning. Roots have sustained damage and loss of bark. Poor, sparse crown with deadwood stubs.	+10	C
5	<i>Salix fragilis</i> Crack willow	16	5	7	7	6	0.70	2605	3	M	Fair	Leaning to the south east. Rubble piles around the base of the tree. Deadwood stubs.* Limb snapped. Summer survey indicated signs of stress, likely caused by compaction within the canopy in past. Crown reducing in upper canopy, likeness of early vigour 'flush' now in decline, supporting stress.	+10	C
6	<i>Salix</i> Willow	13	3	5	4	3	0.45	-	2	Y/MA	Fair	Slight east-south lean *Deadwood / dieback. Summer survey indicated signs of stress, likely caused by compaction within the canopy in past. Crown reducing in upper canopy, likeness of early vigour 'flush' now in decline, supporting stress.	+10	C
7	<i>Salix</i> Willow	12	3	4	4	3	0.60	363	2	Y/MA	Fair	Bifurcated at 1m. Minor deadwood throughout.* Leans north. Summer survey indicated signs of stress, likely caused by compaction within the canopy in past. Crown reducing in upper canopy, likeness of early vigour 'flush' now in decline, supporting stress.	+10	C
8	<i>Quercus robur</i> Oak	12	5	5	5	5	Ave 0.35	364/ 2602	2	MA	Fair/Good	Multi-trunked specimen with strong, well balanced, rounded canopy. Minor deadwood epicormic.	+25	A
9	<i>Betula</i> Birch	-	-	-	-	-	-	365	-	-	Poor	Moribund.	0	R
10	<i>Betula</i> Birch	11	2	3	2	2	0.15	-	4	Y	Fair/Good	Vigorous.	+15	C
11	<i>Quercus robur</i> Oak	12	6	6	5	5	0.8 at base	2615	-	M	Fair	Multi-trunked with crossing fused branches/trunks. Minor basal cavities with damaged, exposed roots. The trunk has numerous dark black lesions where the bark has lifted.	+20	B
12	<i>Quercus robur</i> Oak	22	7	8	7	7	2.75	380/ 2638	4	V	Fair/Good	Huge solitary specimen, gnarled bole with basal cavities formed by rabbits. Tree has deadwood/staghorn and senescence typically associated with a specimen of its age. Limb in southerly direction has a large split and hollowing which may be prone to fail	+50	A



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Tree Ref No:	Species	Height (m)	Crown spread (m)				Stem diameter @ 1.5m (m)	Stem No.	Height of crown clearance (m)	Age class	Physical condition	Comments / Management recommendations	Estimated remaining contribution (years)	BS Category
			N	E	S	W								
13	<i>Platanus</i> Plane	18	7	7	7	7	0.75	379	5	M	Fair	Well balanced crown.	+30	B
14	<i>Alnus</i> Alder	20	4	4	5	4	0.50	-	7	M	Fair	Straight bole, buttressing at base.	+15	B
15	<i>Pinus</i> Pine	17	4	4	5	4	0.50	-	7	MA	Fair	In G5, deadwood stubs and little vegetation in lower third of the trunk, typical of the species.	+10	C
16	<i>Quercus cerris</i> Turkey Oak	14	6	7	4	4	0.65	2	-	MA	Fair	Fair specimen, suppressed to west. Twin trunked at 1.75m. Deadwood.	+20	C
17	<i>Quercus cerris</i> Turkey Oak	18	3	3	5	6	0.50	1	4	MA	Good	Strong, straight bole, suppressed to north/woodland side.	+15	C
18	<i>Quercus cerris</i> Turkey Oak	18	3	3	6	5	0.45	1	5	MA	Good	Vigorous, leaning away from woodland with a southern bias.	+15	C
19	<i>Quercus cerris</i> Turkey Oak	15	5	5	5	3	0.50	1	1.5	MA	Fair/Good	Suppressed, low crowned.	+15	C
20	<i>Quercus robur</i> Oak	23	5	8	9	9	1.2	175/ 215		M	Good	Roadside avenue tree of great stature in excellent condition, at the early stage of senescence with die back retrenchment at tips.	+50	A
21	<i>Quercus cerris</i> Turkey Oak	20	8	7	8			190			Good/fair	Strong central leader, well balanced horizontal growth.		
G1	<i>Acer pseudoplatanus</i> Sycamore x3	6	-	-	-	-	Ave 0.2	-	-	Y	Fair/Poor	Low, stunted, multi-trunked. Have sustained bark damage.	+10	C
G2	<i>Betula</i> Birch x2	11	3	3	3	3	Ave 0.2	2599/ 365	2	Y/MA	Fair	Fair.	+15	C
G3	<i>Betula</i> Birch x7	10	-	-	-	-	0.25	-	-	Y/MA	Fair	In grass, minor deadwood. Rabbit damage at base.	+15	C
G4	<i>Betula</i> Birch x5	16	-	-	-	-	Ave 0.45	-	4	M	Fair	Minor damage at the base of trees. Unremarkable.	+15	C



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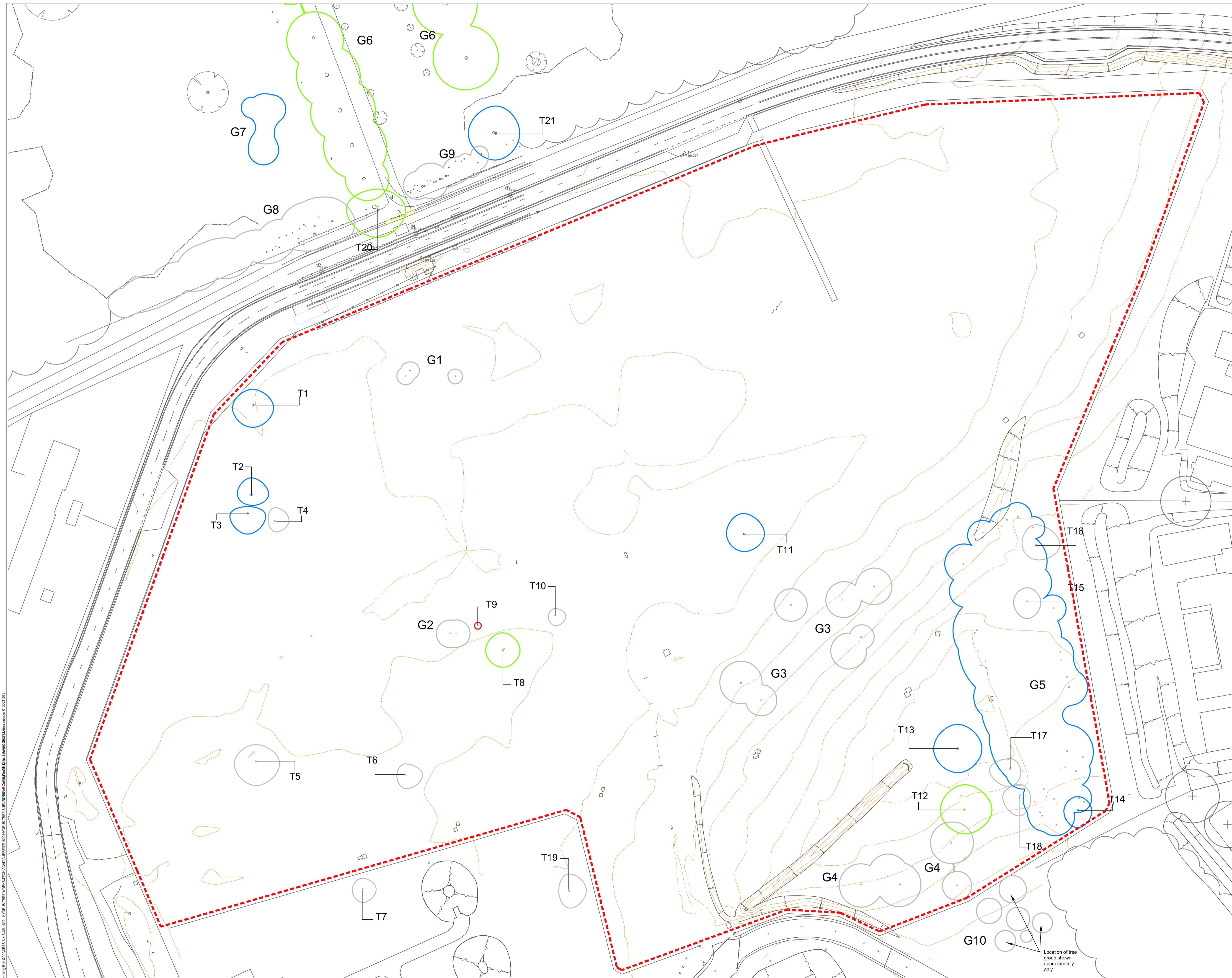
Date of survey: 23.02.09

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G5	<i>Betula, Quercus robur, Salix, Fagus, Populus</i> Birch 55%, Oak 15%, Elder, Willow, Poplar, Beech 30%	16	-	-	-	-	-	-	-	-	Fair	Mixed age and species group of chiefly broadleaf trees. Deadwood, piles throughout and prostrate trees in various stages of decay - ideal wildlife habitat. Partial landscape buffer.	+20	B
G6	<i>Quercus robur</i> Oak	20	-	-	-	-	Ave 1.10	208-214	-	M	Good/Fair	Roadside avenue trees, minor retrenchment, in various stages of senescence.	+30	A
G7	<i>Betula</i> Birch	11	-	-	-	-	Ave 0.15	-	-	Y/MA	Fair	Informal birch groupings. Grown in groves.	+15	B
G8	<i>Chamaecyparis lawsoniana, Quercus robur</i> Lawson cypress, Oak	16	-	-	-	-	Ave 0.35	-	-	MA	Fair	Fronted on the road side with lawson cypress with mixed aged, closely grown oak behind, provides a buffer to the site.	+20	C
G9	<i>Chamaecyparis lawsoniana</i> Lawson cypress	16	-	-	-	-	Ave 0.35	-	-	MA	Fair	Provides dense, evergreen screen, many may have been reduced with trunk division leading to weak trunk formation in some cases.	+20	C
G10	<i>Betula, Quercus robur, Aesculus hippocastanum</i> Birch, Oak, Horse Chestnut	7	-	-	-	-	Ave 0.25	-	3	Y	Fair	Young group, one Oak shows signs of poor leaf form	+20	C



Key

- Site boundary offset 1m for clarity.
 - Existing Contours at 0.5m intervals
 - Tree with numbered reference. Canopy spread and BS5837:2005 colour category as shown below.
 - Vegetation group with numbered reference. Canopy spread and BS5837:2005 colour category as shown below.
- BS 5837:2005 Tree Quality Categories - Table 1
- Category A - High quality
 - Category B - Moderate quality
 - Category C - Low quality
 - Category R - Remove
- Tree outside of survey area, shown for context only.
 - Vegetation group outside of survey area, shown for context only.

- NOTES:**
- Refer to RPS Tree Survey Schedule for further details.
 - Survey based on a visual inspection from the ground and is not intended as a full arboricultural inspection.
 - Plan produced in accordance with recommendations set out in BS 5837:2005 - 'Trees in Relation to Construction'.
 - Due to the legal protection afforded to breeding birds vegetation removal should not take place during the bird nesting period; generally, although not restricted to, March - August inclusive.
 - Survey based upon topographic survey.



B	07/07/09	Updated Tree Survey	DR	NJ	
A	06/09	Tree removed added	DR	NJ	
Rev:	Date:	Amendment:	Name:	Checked:	

■ Drawing Based Upon: JKK4787_01A

Status: **FOR PLANNING**

Notes: Contractors are not to scale from this drawing. All dimensions to be checked on site and any discrepancies, ambiguities and/or omissions between this drawing and information given elsewhere must be reported to this office. If in doubt, ask.



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■ Client: AWE

Project: Hydrus
Aldermaston

Title: Amenity Tree Survey

Date: 03/09 Scale: 1:500 Paper Size: A1

Drawn: DR Checked: NJ Job Ref: JSL 1692

■ Drawing Number: 001 Rev: B

Drawing File: C:\ACCESSA\A_ELE\1692 - HYDRUS TREE WORKS\TECHNICAL\DRUMENT 1692 HYDRUS TREE SURVEY - Aldermaston\AWE.dwg
 Date: 03/09/2009 10:52:00
 User: JSL
 Plot Number: 1692