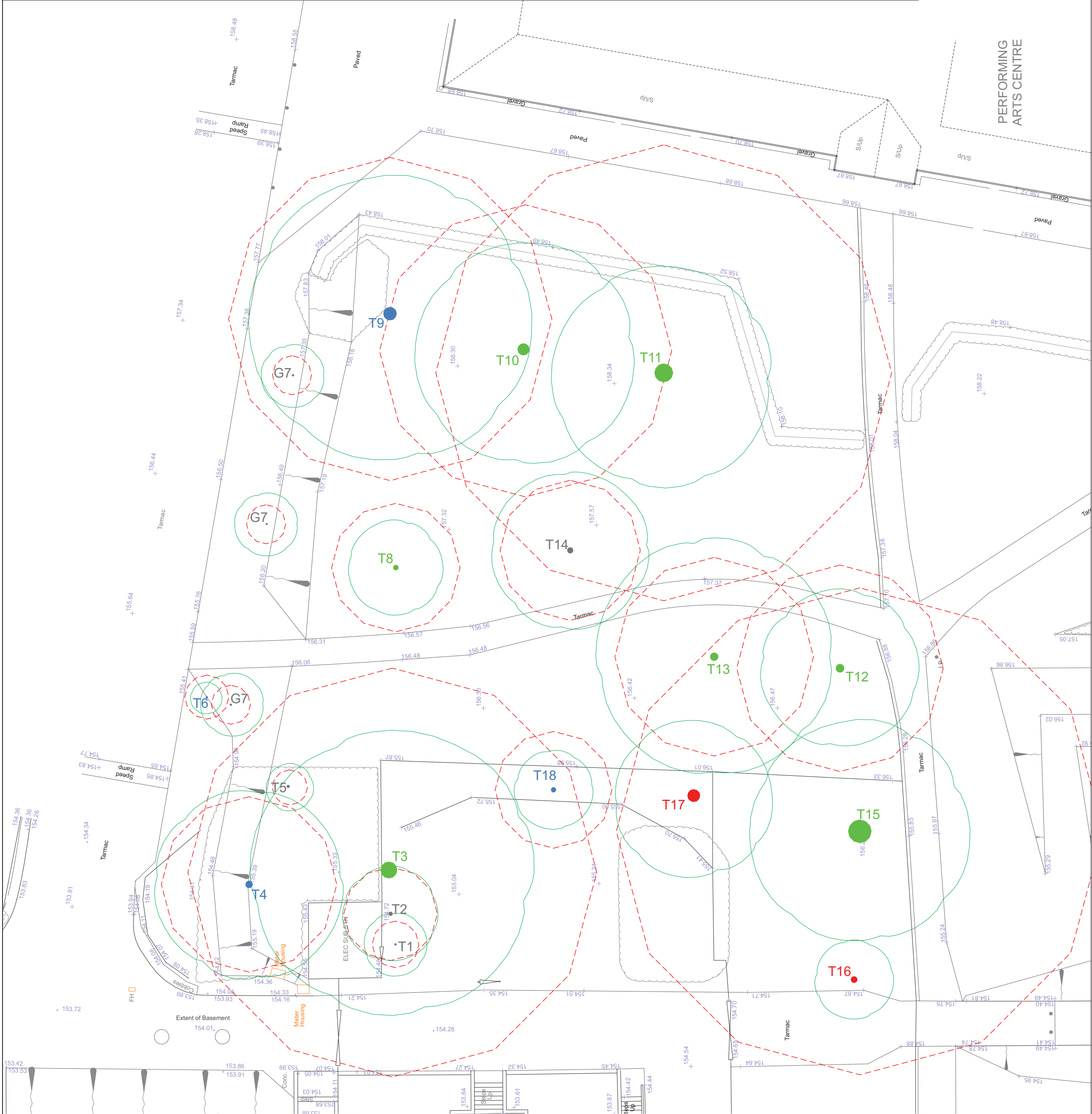


Schedule of trees																		
No	Species	No of Stems	SD* (mm)	Hgt	Crown radii				CRH	Age	Cond.	Comments	Preliminary recommendations	Life Exp	BS Cat	Sub Cat	RPA m2	RPA Rad (m)
					N	E	S	W										
T1	Oak	1	120	6	2	2	2	2	1	Y	Fair	Asymmetric crown, biased south due to influence of adjacent trees		40+	C	2	7	1.4
T2	Ash	4	240	8	3	3	3	3	2.5	SM	Fair	4 x 120mm stems. Self-set tree, growing against substation fence, previously coppiced. No signs of Ash Dieback but should it survive is not suitable for retention in this position	Fell	20+	C	2	26	2.9
T3	Oak	1	1050	20	9	9	9	9	5	LM	Good	Multiple old pruning wounds up to 30cm diameter on lower stem, several fully occluded. Small amount of deadwood up to 10cm diameter, not currently significant		40+	A	1;2;3	499	12.6
T4	Oak	1	450	16	6	6	6	6	3	EM	Fair	Dominated by larger oak to east, crown biased heavily to west		40+	B	2	92	5.4
T5	Holly	1	90	5.5	1.5	1.5	1.5	1.5	0	SM	Good			40+	C	2	4	1.1
T6	Olivillo	2	115	2.3	1	1	1	1	1	EM	Good	Two 80mm stems. Unusual species (<i>Aextoxicon punctatum</i>)		20+	B	3	6	1.4
G7	Cherry	1	100	4	2	2	2	2	1.5	EM	Fair	Group of three cherry, all relatively insignificant		10+	C	1	5	1.2
T8	Pin Oak	1	330	11	3	3	3	3	1.5	EM	Good	Excellent form, significant potential		40+	A	1,2	49	4.0
T9	Norway Maple	1	830	17	9	9	9	9	1.5	M	Good	Small amount of deadwood up to 10cm diameter		20+	B	2	312	10.0
T10	Yew	1	750	16	7	7	7	7	0	M	Good			40+	A	1,2	255	9.0
T11	Western Red Cedar	1	1170	25	7	7	7	7	0	M	Good			40+	A	1,2	619	14.0
T12	Fastigiata Beech	1	530	22	5	5	5	5	1.7	EM	Good	Good form		40+	A	1,2	127	6.4
T13	Hornbeam	1	510	14	7.5	7.5	7.5	7.5	1.5	M	Good			40+	A	1,2	118	6.1
T14	Horse Chestnut	1	360	9	5	5	5	5	1.7	EM	Fair	Significant areas of bleeding canker on stem and main branches including narrow band of dysfunctional bark spiralling around stem from ground level to 5m where leading stem has died out, might overcome infection in time.		20+	C	2	59	4.3
T15	Western Red Cedar	1	1470	20	7	7	7	7	0	M	Good	Stem divides at 1.5m into three 80cm sub-stems two of divide again each into two 50-60cm diameter limbs		40+	A	1,2	707	15.0
T16	Crab Apple	1	400	5	2.5	2.5	2.5	2.5	1.8	LM	Poor	Extensive stem decay, previously topped at 2.5m, poor form	Fell	<10	U	N/A	N/A	N/A
T17	Western Red Cedar	1	780	18	5	5	5	5	0	M	Poor	Substantial, 70cm diameter sub-stem arises at 1m south side. Very sparse crown. Remains of fungal fruiting bodies (possibly <i>Ischnoderma benzoinum</i>) at ground level north side	Fell	<10	U	N/A	N/A	N/A
T18	Holm Oak	1	300	10	2.5	2.5	2.5	2.5	1	EM	Good	Good form		40+	B	1,2	41	3.6

All dimensions in metres unless otherwise stated. Dimensions of trees growing outside the site may be estimated Age categories: Y=Young, SM= Semi-Mature, EM=Early Mature, M=Mature, LM=Late Mature, V=Veteran. PC = Physiological Condition.
Root protection areas (RPA) calculated following guidance provided in BS5837:2012. *Stem diameters of multi-stem trees are calculated in accordance with BS5837 section 4.6. ▲ Alternative calculation of 15 times stem diameter used for veteran trees



Tree Survey Report

Proposed Emergency Generator, Worth School, Turners Hill RH10 4SD

Instructions were received from Matthew Taylor-Smith on behalf of Worth School.

1.1 Terms of Reference:

- To inspect the significant trees in accordance with British Standard 5837:2012 'Trees in relation to design, demolition and construction - Recommendations'.
- Assess their suitability for retention in relation to the development of the site
- Where appropriate, make preliminary management recommendations
- Identify any constraints that those trees worthy of retention may present in relation to development

1.2 Documents Supplied:

The following plan has been provided:

- Topographic Survey, drawing number 4206 prepared by Aworth Survey Consultants

1.3 Limitations of Use and Copyright:

The content and format of this Report are for the exclusive use of the Client or their agents. It may not be sold, lent, hired out or divulged to any other party not directly involved in the subject matter.

2.0 Scope and Method of Tree Survey

2.1 The survey was carried out on 25 March 2025 by N R Beardmore F.Arbor.A. The survey concentrates on the area around the site of the proposed Emergency Generator.

2.2 All trees that could, potentially, be affected by the proposed development were assessed in accordance with guidance detailed in British Standard 5837:2012 'Trees in relation to design demolition and construction - Recommendations' [BS5837].

2.3 The survey is based on a ground level tree assessment and examination of external features only – described as the 'Visual Tree Assessment' method expounded by Mattheck and Breloer (The Body Language of Trees, DoE booklet Research for Amenity Trees No. 4, 1994).

2.4 In general, trees with a stem diameter less than 75mm at 1.5m above ground level and woody shrub species are excluded unless they have particular merit that warrants inclusion. Tree stem diameters are measured in millimetres as near as possible to 1.5m above ground level. Root protection areas are calculated in accordance with BS5837 section 4.6.

2.5 The height of each tree was estimated visually and crown radii were estimated by pacing and are given for each main compass point: north, east, south and west. Dimensions are given in metres.

2.6 Dimensions of trees within groups are given as an averaged figure unless otherwise stated. Dimensions of off-site trees are estimated unless full access is available.

3.0 Existing Trees

3.1 The details of seventeen individual trees and one tree group were recorded during the survey. Any other trees within the site are at such distance from any likely area of construction activity to be entirely unaffected.

3.2 The tree schedule shown on the Tree Survey and Constraints Plan (ref 2503/23/TCP), provides the dimensions of those specimens included in the survey together with an assessment of their condition and life expectancy with specific comments regarding their condition where appropriate. In addition, each tree has been categorised according to its retention value following criteria provided in Table 1 of BS5837.

3.3 Two trees, a crab apple, T16, and a large western red cedar, T17 are in such condition that they are unlikely to survive 10 years. Accordingly, they are graded category U.

3.4 Seven individual trees are of high quality with sufficient merit and life expectancy to justify a category A grading.

3.5 Four trees are of moderate value and can be expected to survive in excess of 20 years, they are therefore graded category B.

3.6 All other trees are of low value and are graded category C.

3.7 It is understood that none of the trees are subject to any statutory controls such as a Tree Preservation Order (TPO). The site is not located within a Conservation Area (CA).

4.0 Recommended Tree Works

4.1 The guidance provided within BS5837 suggests that the tree survey schedule should include preliminary recommendations for works that should be carried out in the interests of good arboricultural practice.

4.2 In this case, it is recommended that the two category U trees, T16 and T17 are removed.

4.3 In addition, whilst it is currently in good condition, the small self-set ash tree, T2, should be removed. It is growing very close to the fence surrounding the nearby sub-station and is not suitable for this position.

4.4 All works should be carried out by a suitably qualified and insured tree work contractor.

5.0 Tree Constraints

5.1 The data collected during the tree survey data provides the basis for identifying the above ground or below ground constraints that may imposed on the site by those trees worthy of retention.

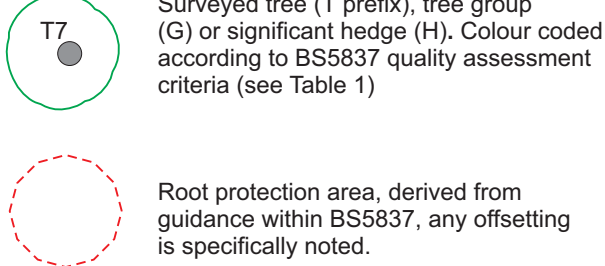
5.2 Below ground constraints are indicated by the root protection area [RPA] for each tree which is calculated in accordance with guidance provided within BS5837. The RPA is the minimum recommended area in square metres that ideally should be left undisturbed around each tree to be retained to ensure that damage to its roots or rooting environment is avoided.

5.3 In the case of open grown trees with an even, radial root distribution it would be normal for the boundaries of the RPA to be equidistant from the trunk of the tree. The actual disposition of tree roots can however be greatly affected by a range of site-specific factors such as existing building foundations and poor growing conditions under public highways. BS537 advises that these factors are to be assessed by the arboriculturist and appropriate adjustments to the siting of the RPA made, provided that it is not reduced in area.

5.4 The RPA for each retained tree is detailed in the schedule of trees and shown on the tree survey plan as red dashed polygons. Where offsetting is considered appropriate it is specifically noted.

5.5 In this case, there are no obvious site features that would have any influence of significance on root growth. No off-setting of RPAs is therefore required.

Key



Notes

Notes relating to specific arboricultural issues



BS 5837 Tree Categorisation (from BS5837: 2012, Table 1)

- 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
- Category A:** 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
- Category C:** Trees of low quality with an estimated life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.

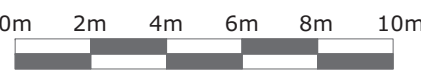
Site:
Proposed Emergency Generator
Worth School
Paddockhurst Road
Turners Hill RH10 4SD

Title:
Tree Survey and Constraints Plan

Please check all dimensions on site and notify us of any discrepancies. This drawing was prepared in colour, do not rely on monochrome copies.

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Scale:
1: 200 @ A1



Dwg No 2503/23/TCP Revision -

Date: March 2025 Drawn by: NRB



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