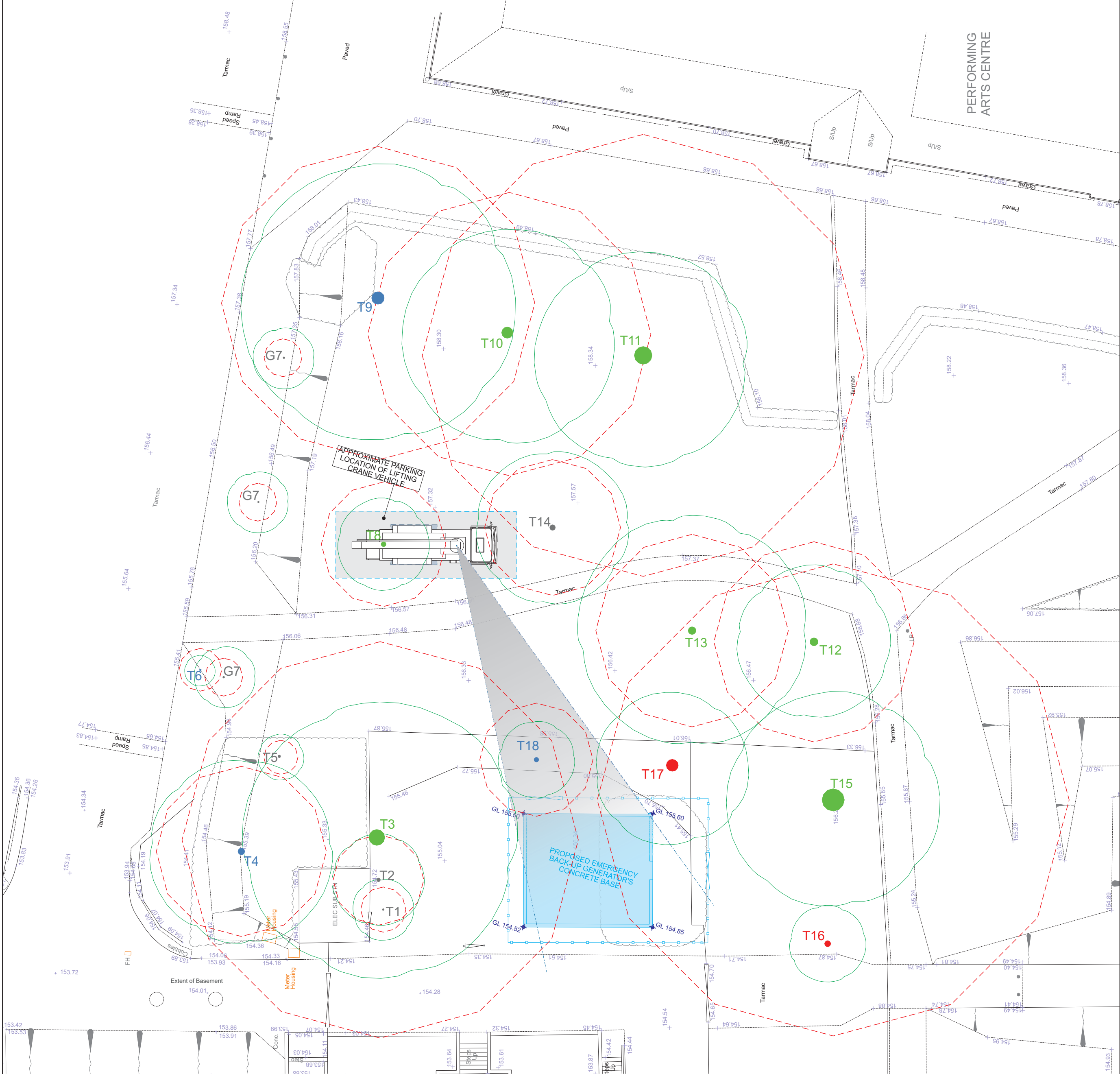


Schedule of trees																		
No	Species	No of Stems	SD* (mm)	Hgt	Crown radii				CRH	Age	Cond.	Comments	Preliminary recommendations	Life Exp	BS Cat	Sub Cat	RPA m2	RPA Rad (m)
					N	E	S	W										
T1	Oak	1	120	6	2	2	2	2	1	Y	Fair	Asymmetric crown, biased south due to influence of adjacent trees		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	Fastigate 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



Arboricultural Impact Assessment

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

1.0 Introduction

1.1 This Arboricultural Impact Assessment has been prepared following the principles set out within British Standard 5837:2012 'Trees in relation to design, demolition and construction – Recommendations' [BS5837] and current best practice. It is based on the following drawings:

- Proposed Site Plan, drawing number 0127 (revision A)
- Proposed Elevations, drawing numbered 0130 (revision A)
- Generator Enclosure and RC Details, drawing numbered 24186/01

1.2 This document should be read in conjunction with our tree survey report and constraints plan number 2503/23/TCP dated March 2025.

2.0 Proposed Development

2.1 The proposed development involves the following works:

- the construction of a concrete base upon which an emergency generator will be positioned
- the construction of a timber fence enclosure around the generator
- the generator will be lifted into place using a mobile crane sited on a landscaped area of the site
- no information has been provided regarding new underground services but it is assumed that a connection will between the generator and the existing electricity sub-station will be required.

3.0 Existing Trees

3.1 Details of existing trees are provided in the accompanying Tree Survey and Constraints Plan, reference 2503/23/TCP.

3.2 The tree survey report recommends the removal of trees T16 and T17 due to their poor condition. In addition, the removal of tree 2 is recommended due to its unsuitability to the position in which it is growing.

4.0 Impact of Proposed Development

4.1 The construction of the base and surrounding enclosure for the proposed generator do not in themselves necessitate the removal of any trees. It will however be necessary to remove two trees, T8 and T14 to allow access for the mobile crane that will be used to lift the generator into place.

4.2 T8, a pin oak, is a relatively young tree of excellent form and significant potential, accordingly it was graded category A in the tree survey. Whilst it is regrettable to lose a tree of good form at just 11m high, its current contribution to the landscape is quite limited. Views of the oak are restricted to a small area within the School grounds, it is not visible from any position of wider public access.

4.3 Tree T14, is a 9m high horse chestnut. The chestnut has been categorised of low value due to significant areas of bleeding canker on its stem and main branches that have caused the leading stem to die out. Whilst it is possible that the tree may overcome these issues in time, its current condition does not warrant a higher grading.

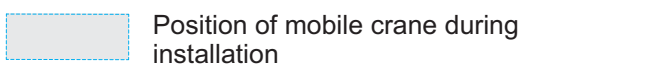
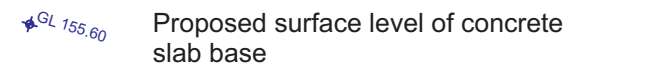
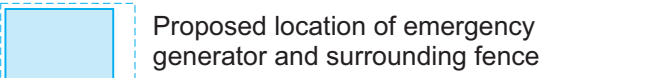
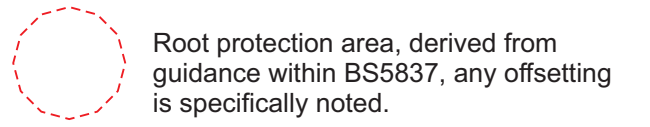
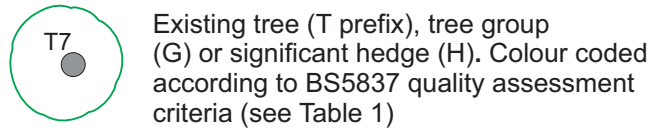
4.4 There will be ample scope to plant replacement trees after works to install the generator are complete.

4.5 The position of the concrete base for the generator will require an incursion into the root protection area of an oak, tree T3 of around 4% of the overall area. There will also be an incursion of around 2.7% into the RPA of the western red cedar T15. In both cases, the extent of incursion is quite minor and within tolerable levels. Low retaining wall around the north, east and west sides will allow adjacent ground levels within the enclosure to be maintained as existing.

4.6 Whilst no information regarding new underground services has been provided, it is assumed that a connection between the generator and the existing sub-station will be required. It is recommended that any new underground services be routed from the south side of the concrete slab, as far away from the oak T3 as possible. It will be necessary for excavations for any service trench within the RPA of T3 to be dug by hand so that any roots greater than 25mm in diameter can be retained, unharmed. Cables shall be routed below or between roots as necessary.

4.7 Provided that the tree protection measures specified in the accompanying arboricultural method statement (AMS) and tree protection plan (TPP) are implemented and strictly maintained throughout the construction period there is no reason why the retained trees should not be adequately safeguarded from the effects of construction.

Key



Notes

Notes relating to specific arboricultural issues



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

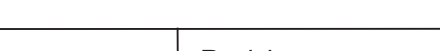
- Category U:** Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years
- Category A:** Trees of high quality with an estimated life expectancy of at least 40 years
- Category B:** Trees of moderate quality with 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:
Arboricultural Impact Assessment

Please check all dimensions on site and notify us of any discrepancies.
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Scale:
1: 200 @ A1



Dwg No	2503/23/A1A	Revision	-
Date:	September 2025	Drawn by:	NRB



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