# Tree Survey Notes - Beech Croft, Church Hill, Patcham BN1 8YE

## 1.0 Introduction:

- 1.1 Instructions were received from Rebecca Kimber
- 1.2 The tree survey is based on the topographical survey, reference AD17106/1.02 prepared by Archidata Land and Building Surveyors dated 13 June 2017. The positions of all trees are taken from that survey.

## 2.0 Scope and Method of Tree Survey

- 2.1 The survey was carried out on 28 June 2019 by N R Beardmore F.Arbor.A.
- 2.2 All significant 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 at 1.5m above ground level of less than 75mm have been excluded unless they have particular merit that warrants comment. In general, woody shrub species are not included.
- 2.5 The stem diameters of single stemmed trees were measured in millimetres at 1.5m above ground level. Multi-stemmed trees were measured immediately above the root flare.
- 2.6 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.
- 2.7 Dimensions of trees within groups are given as an averaged figure unless otherwise stated.

### 3.0 Existing Trees

- 3.1 The details of nine individual trees were recorded, all are located within the site.
- 3.3 The schedule shown on the Tree Survey Plan (ref 1906/39/TS), 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.

#### 4.0 Root Protection Areas

- 4.1 The root protection area [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.
- 4.2 The notional RPA for each tree is calculated in accordance with guidance provided within BS5837 and shown in the tree schedule on the tree survey plan/
- 4.3 In the case of open grown trees with an even, radial root distribution it would normal for the boundaries of the RPA to be equidistant from the trunk of the tree. In reality however the disposition of tree roots can be significantly influenced by specific features within or adjacent to the site. BS5837 requires the arboriculturist to assess the significance of these factors and adjust the position of the RPA (but not reduce its area) as is deemed appropriate.
- 4.4 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.
- with the notional RPA, before off-setting, indicated dashed grey.



Schedule	e of trees																		Key	
No Species	es S	No of tems (	SD* (mm)	lgt N	Cr E	own rad S	ii W	Crn hgt	Age	РС	Comments	Preliminary Recommendations	Life Exp	BS Cat	Sub Cat	RP m	PA RPA 2 Rad	A d		Surveyed tree (T prefix), tree group
T1 Pine		1	300	12 2	2 2	2 2	2	4	EM	Good	Good form		40+	В	1;2	4	1 3.6	5		(G) or significant hedge (H). Colour coded according to BS5837 quality assessment
T2 Beech	1	5	950	14 8	8 8	8 8	9	2	M	Good	Five stems, 480, 460 x2, 400 and 300mm diameter in a clump, stems part fused. Mixture of copper and green beech forming one canopy. Low canopy over	Raise crown to clear	40+	A	1;2	40	)8 11.4	.4		criteria (see Table 1)
T3 Crab A	Apple	1	200	6 4	. 3	.5 4.5	3	3.5	M	Fair	access. High landscape value		10+	С	1	1	8 2.4	1		Root protection area, derived from
T4 Beech		2	560	15 6		7 4.5	4	3	EM	Good	Stems 420 & 370mm diameter. Recently pruned on south side. Part of row		40+	В	1;2	14	2 6.7	7		is specifically noted.
T5 Beech	1	1	420	15 5	5 6	5 4	6	4	EM	Good	adjacent to north boundary Recently pruned on south side. Part of row adjacent to north boundary		40+	В	1;2	8	0 5.0		0.15 SW	Existing underground services
T6 Beech	1	1	430	15 5	; 4	4 4	7	3	EM	Good	Recently pruned on south side. Part of row adjacent to north boundary		40+	В	1;2	8	4 5.2	2	+	
T7 Beech	· · · · · · · · · · · · · · · · · · ·	1	430 300	15 5 12 2	; <u> </u> ;	5 4.5 5 4	5	5	EM FM	Good	Recently pruned on south side. Part of row adjacent to north boundary		40+	B	1;2	8 4	4 5.2 1 3.6	2	57.28	Existing levels
T9 Copper	er Beech	3	715	15 8.	5 8	8 8	8	2	EM	Good	Three stems (460, 400, 370mm diameter) from ground level. Branches in		40+	A	1;2	23	31 8.6	5	Notes	Notes relating to specific arboricultural issues
All dimensions in I	n metres unless othe	erwise stat	ted. Dime	sions of ti	rees gro	owing outs	de the	site may b	pe estim	nated	contact with neighbouring building to rear.									
idations of the exis d any roots growin herefore shown of RPA, before off-se	tisting building ar ring below its foo off-set in other di setting, is shown	e likely tprint. T rections dashed	to have he RPA s. The grey.																	
LLF GE SL 63.60 Flore SL 51 63.60 Flore SL 51 63.60 Flore SL 51 63.60 Flore SL 53.77 Flore SL 53	SL 63 SL 63 ORCH SL 63 SL 63	6 5L 63. <b>1</b> 2 SL 63	L 63.83	63.64	tone	T3 retainin SL 63.92 · SL 63.92 · SL 63.92	g wa	DRIV Conc	EWA	· SL SL 6	-SL 65.14   -SL 65.14   -SL 63.97   -SL 63.87   SL 64.02   -SL 63.87   SL 63.98   -SL 63.95   -SL 63.95   -SL 63.96   -SL 63.97	e less hospitable growing co likely to have caused tree T ls within the front garden. It's set into the site. The notionation within the front garden. It's set into the site. The notionation own dashed grey.	nditions 1 to be s RPA is al RPA, to SL 63.	unde more there before 73	r the hi reliant fore sh off-se	ighwa c on th hown etting i	ay is · SL 63.	63.81	Site: Beech Churce Patch Title Tree S Please ch This drawin their Agen	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. Croft th Hill am BN18YE Curvey Plan
ROOM 1	MH 63.41 SL 63.28 52	SL 63.3		GL 63.39	F	53.48		L 63.52		SL 65.5	63.72 • SL 63.70 • SL 63.70 • SL 63.24 • SL 62.77 • SL 62.68	2.93 - SL 62.7	7 • SL (	63.10	. s	· SL	63.54		Scale 1: 100 @ Dwg No Date:	A1 1906/39/TS Revision - June 2019 Drawn by: NRB <b>AANTY AND AND AND AND AND AND AND AND AND AND</b>