



Inset B: Sample photos of trial Trench 1 east of T6. Rooting activity was low. More photographs in Section 8.



Inset C: Sample photo showing largest root (35mm dia.) in trial Trench 2 south of T6. More Photographs in Section 10.



Ammended 21st April 2016.

The canopy of T6 is very high and sparse so no facilitative

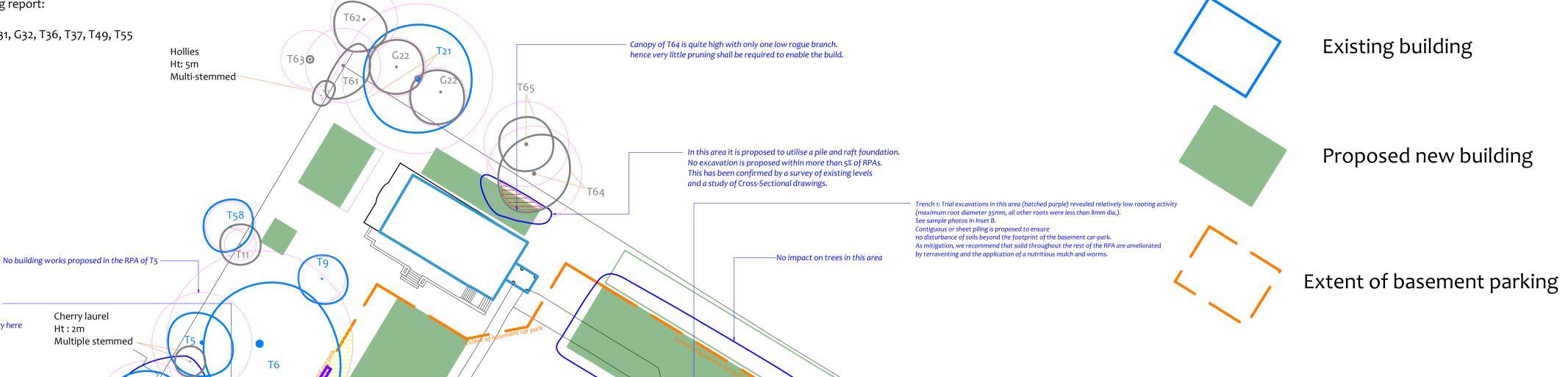
pruning is considered necessary here

Cherry laurel

Ht:3m

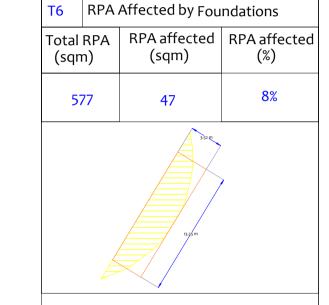
Trees shown as removed in order to coincide with Section 5.1.7 and Section 6.1 of the accompanying report:

T1, T2, G7, T8, T10, T31, G32, T36, T37, T49, T55



- Low impact landscaping proposed in this area.

No excavation over RPAs.



Impact Assessment Plan

T6 RPA Affected by Foundations

(sqm)

(sqm)

577

Total RPA | RPA affected | RPA affected

6.3

(Existing Layout with Proposals Overlaid)

Total Impact on the RPA of T6 equates to 14.3%

/ // 				
		T50 RPA Affected by Foundations		ndations
— Windows to be located as far from the canopy of T48 as practicable. Canopy to be pruned back to enable improved lighting conditions in adjacent rooms. Extent of pruning to be agreed with the local authority.	Total RPA (sqm)		RPA affected (sqm)	RPA affected (%)
	707		16.4	2.3
Exacation over only 2.7% of the RPA of T50. Piling proposed for foundations to ensure no disturbance of soils beyond the footprint		73 i m 8.57 m		

7	07		16.4		2.3		
1791 <u>m</u> 8.57 m							
ree Ref.	Sne	sies	Haidht (m)	Root Pr	otecti	tection Area	
ree Kei.	эре	Species Height (m)	neight (iii)	Radius (m)	m²	Square (
⊺ 1	Cherry		5	2.6	22	4.7	
2	Hawthor	n	5	1.6	8	2.8	
T3	Turkey C	Dak	20	12.1	461	21.5	
۲4	Beech		18	7.3	168	13.0	
5	Lime		16	7.2	163	12.8	
T6	Ash		27	13.4	567	23.8	
77	Line		_	4.0	40	0.4	

Γ1	Cherry	5	2.6	22	4.7
2	Hawthorn	5	1.6	8	2.8
T3	Turkey Oak	20	12.1	461	21.5
۲4	Beech	18	7.3	168	13.0
5	Lime	16	7.2	163	12.8
T6	Ash	27	13.4	567	23.8
37	Lime	9	1.9	12	3.4
T8	Lawson Cypress	8	3.7	43	6.6
Г9	Lime	10	3.4	35	6.0
Γ10		5	1.3	5	2.3
	Laburnum				
[11 [10]	Lime	9	2.3	16	4.0
T12	Fig	6	3.6	41	6.4
13	Fig	5	1.1	4	1.9
Г14	Silver Birch	21	6.7	142	11.9
15	Silver Birch	17	5.0	80	8.9
T16	Rowan	9	3.6	41	6.4
17	Silver Birch	18	4.8	72	8.5
T18	Silver Birch	18	5.3	88	9.4
319	Rowan	9	3.4	35	6.0
720	Turkey Oak	15	6.8	147	12.1
721	Ash	19	10.8	366	19.1
322	Sycamore	12	4.2	55	7.4
723	Cherry	8	6.0	113	10.6
24	Silver Birch	10	1.8	10	3.2
25	Cherry	11	2.6	22	4.7
726	Goat Willow	14	7.3	168	13.0
27	Ash	5.5	1.4	7	2.6
728		5.5	1.7	9	3.0
	Holly			4	
729	Oak	4	1.1		1.9
30	Silver Birch	14	7.6	180	13.4
T31	Holly	5	3.7	43	6.6
3 32	Holly	4	1.8	10	3.2
733	Maidenhair Tree	16	7.6	180	13.4
T34	Pissards Plum	7	4.7	69	8.3
35	Turkey Oak	26	11.9	443	21.1
T36	Magnolia	6	2.5	20	4.5
37	Magnolia	5	3.4	35	6.0
38	Lime	19	10.8	366	19.1
39		4	2.8	24	4.9
٦40	Ash	15	5.0	80	8.9
T41	Holly	6	2.3	16	4.0
T42	Elder	8	2.6	22	4.7
T43	Holly	7	3.1	31	5.5
744	Holly	5	2.5	20	4.5
745	Holly	4.5	2.0	13	3.6
746	London Plane	18	9.6	290	17.0
747	Leyland Cypress	14	6.6	137	11.7
T48	Sycamore	16	7.8	191	13.8
T49	Hawthorn	6			
		24	2.0	13	3.6
50	Hornbeam		15.0	707	26.6
T51	Walnut	11	6.7	142	11.9
52	Indian Bean Tree	15	8.2	209	14.5
53	Cherry	11	5.5	96	9.8
54		13	5.8	104	10.2
55	Cherry	7	3.2	33	5.7
56	Monkey Puzzle	6	3.2	33	5.7
57	Silver Birch	10	2.5	20	4.5
5 8	Cherry	14	3.6	41	6.4
5 9	Ash	9	2.5	20	4.5
T60	Lombardy Poplar	20	12.5	489	22.1
T61	Ash	14	5.4	92	9.6
62	Sycamore	13	4.8	72	8.5
T63	Ash	6	4.2	55	7.4
T6/1	Sycamore	15	6.8	1/17	12.1

Multiple stemmed Elder			No excavation over RPAs. No significant raising of levels over RPAs. No additional impervious surfaces over RPAs.
T3 Ht: 3m Multiple stel	rooting activity (maximum Contiguous or sheet piling no disturbance of soils bey The impact of severing the shall be more than offset I rig to operate.	is in this area (hatched purple) revealed very likelem root diameter 15mm). See sample photos in Inset 10 gis proposed to ensure eyond the footprint of the basement car-park. He small roots encountered in the trial excavation by canopy pruning necessary to enable the piling equired for the piling rig are yet to be clarified. T52 T53	Magnolia Ht:2.5m Dia:5cm
	Trench 2: Trial excavations in this area (hatched purple) revealed moderate rooting activity but no large roots (maximum roots encountered measured diameter 35mm, 30mm and 20mm) See sample photos in Inset C. Contiguous or sheet piling is proposed to ensure no disturbance of soils beyond the footprint of the basement car-park. As mitigation, we recommend that soild throughout the rest of the RPA are ameliorated by terraventing and the application of a nutritious mulch and worms.	T33	T50 Existing light well. No impact on trees.
	No works proposed in this area. Trees to be fenced off and a Construction Exclusion Zone to be created. No impact on trees.	Group of small cotoneaster Ht: 2m Dia: 7cm	
Therefore no im No additional w	rks to be within the footprint of the existing building. pact on tree roots or canopies. indows to be facing the trees. crease in pressure to remove or overly-prune.	Dia: 7cm	T38 No impact
		Only very light trimming of the foilage required here to enable scaffolding	Tool O Hallin



CROWN Arboricultural Consultants Category U tree

Category A tree Category B tree Category C tree

Tree Retention Categories Stems & canopies shown

Trees of moderate quality with a life expectancy of 20+ years.
Usually maturing trees, or younger trees with good form. Retention of these trees is desirable though less than Category A trees nremarkable trees of low quality and merit. Individual specimen:

Trees of high quality with an estimated life expectancy of 40+ years.
Usually large trees with significant presence or smaller trees with excellent form. Retention of these trees is highly desirable.

Trees unsuitable for retention due to their very poor condition.

Impact Assessment Plan

BS 5837 Root Protection Area (radius = 12xstem diameter Root Protection Area needing amendment due to site conditions, e.g. presence of exising road or building. Root Protection Area having been amended to account for for site conditions

T1 = Tree No 1 G2 = Group No 2 H3 = Hedge No 3

and buildings in this area.

— No impact on trees in this area

MN = Measured North: Canopy spreads are sometimes Tree to be removed to facilitate the proposal defined by site features.
Often more accurate, especially Tree to be removed where rows of trees are not due to its low quality aligned N-S or E-W. Proposed pruning

- No impact on trees in this area

— No impact on trees in this area

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(Existing Layout with Proposals Overlaid)	