



11 Briardale Gardens NW3 7PN2

Trial Dig

(Ref. 101 559)
Date: 26/11/2020

Prepared by:
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1.0 INSTRUCTIONS

In regard to the Root Protection Area incursion into the subject site from third-party trees Arbol Euro Consulting Ltd. is instructed to carry out a trial dig for the proposed (a) mini-pile locations and (b) bank excavation for the Bike Store western wall. See the appended Tree Survey and Trial Dig Plan.

We previously visited site in March 2019. The trial dig was carried out on 25th Nov. 2020. This dig was supervised by us in conjunction with A. Nadkarni the project architect from Fabricspace. Only hand tools were used during the dig.

All the trial dig holes and trenches have been left open should the LPA Tree Officer wish to visit the site.

2.0 OBSERVATIONS AND FINDINGS

2.1 Mini-pile Dig (see photos in Appendix 1)

Results: no significant tree roots (i.e. >2.5cm dia.) were found in the excavated trial holes 1-5 or 7. Trial dig 6 and 8 were aborted due either to the presence of large paving slabs and woody roots from a previously removed tree (ash T1). No photograph was taken of the ash (T1) stump for trial dig no. 8.

2.2 Trench dig for the Bike Store western wall (see photos in Appendix 2)

In trench 1 and 2 no significant tree roots were found.

2.3 Large Close Proximity trees

It is interesting to note that no significant oak roots from T10 were found in the mini-pile or trench dig excavations.

APPENDXI 1

Mini-pile Dig No. 1

Within Trench 1: Depth 1.0m with *MP location in corner* against the boundary fence

No significant tree roots (> 2.5cm dia.) found

1 x surface root 1.0cm dia and 3 x 0.5cm dia. (likely from removed shrubs or the previously removed silver birch T4)



Mini-pile (MP) Dig No. 2

Within Trench 2: Depth 1.0m with *MP location on right-hand side* of trench

No significant tree roots (> 2.5cm dia.) found

2 x ash roots 1.0cm dia. (likely from the previously removed ash T3)



Mini-pile Dig No. 3

Depth 60cm

No significant tree roots ($> 2.5\text{cm}$ dia.) found



Mini-pile Dig No. 4

Depth 60cm

No significant tree roots (> 2.5cm dia.) found



Mini-pile Dig No. 5

Depth 60cm

No significant tree roots (> 2.5cm dia.) found



Mini-pile Dig No. 6

Aborted due to large paving slabs that could not be lifted using hand-tools



Mini-pile Dig No. 7

Depth 70cm

No significant tree roots ($> 2.5\text{cm}$ dia.) found



APPENDIX 2

Trench 1

Depth 1.0m x 1.2m long

No significant tree roots (> 2.5cm dia.) found

1 x surface root 1.0cm dia and 3 x 0.5cm dia. (likely from removed shrubs or the previously removed silver birch T4)

At bottom of photo note the large paving slabs of a footpath that impeded the trench dig running towards Trench 2



Trench 2

Depth 1.0m x 1.7m long

No significant tree roots (> 2.5cm dia.) found

3 x ash roots 1.0cm dia. (likely from the previously removed ash T3)



From Trench 2 looking south from (aborted) MP hole 6 towards MP hole 1
Trench dig aborted due to (T2 and T3) woody roots



HEADINGS & ABBREVIATIONS

TREE NO.	REFERENCE NUMBER. REFER TO PLAN OR NUMBERED TAGS WHERE APPLICABLE
SPECIES:	COMMON NAME (LATIN NAMES AVAILABLE ON REQUEST)
AGE RANGE/LIFE STAGE:	Y = YOUNG, SM = SEMI MATURE, EM = EARLY MATURE, M = MATURE, PM = POST MATURE
HEIGHT:	ESTIMATED AND RECORDED IN METRES. APPROXIMATELY 1 IN 10 TREES ARE MEASURED USING A CLINOMETER AND THE REMAINDER ESTIMATED AGAINST THE MEASURED TREES
CROWN SPREAD:	MAXIMUM CROWN RADIUS MEASURED TO THE FOUR CARDINAL COMPASS POINTS FOR SINGLE SPECIMENS ONLY (MEASUREMENT FOR TREE GROUPS - MAXIMUM RADIUS OF THE GROUP)
CROWN CLEARANCE &DIRECTION OF GROWTH:	HEIGHT IN METERS OF CROWN CLEARANCE ABOVE ADJACENT GROUND LEVEL (TO INFORM ON GROUND CLEARANCE, CROWN/STEM RATIO AND SHADING)
STEM DIA/MULTI-STEM DIA:	STEM DIAMETER - MEASURED AT APPROXIMATELY 1.5 METRES ABOVE GROUND LEVEL OR A COMBINATION OF STEMS FOR MULTI-STEMMED TREES
VITALITY:	A MEASURE OF PHYSIOLOGICAL CONDITION. D = DEAD, MD = MORIBUND, P = POOR, M = MODERATE, G = GOOD
ESTIMATED REMAINING CONTRIBUTION:	RELATIVE USEFUL LIFE EXPECTANCY (YEARS)
BS 5837CATEGORY & SUB-CATEGORY GRADING:	A = HIGH QUALITY AND VALUE, B = MODERATE QUALITY AND VALUE, C = LOW QUALITY AND VALUE, U = UNSUITABLE FOR RETENTION: SUB-CATEGORY REFERS TO ARBORICULTURAL (1), LANDSCAPE (2) & CULTURAL/CONSERVATION VALUES (3).
BS 5837 RPA:	ROOT PROTECTION AREA - BS 5837 (2012) ANNEX D (THE RECOMMENDATIONS STATE THAT THE RPA SHOULD BE CAPPED AT 707 M ²)
BS 5837 RADIUS:	PROTECTIVE DISTANCE - RADIUS FROM THE CENTRE OF THE STEM TO THE LINE OF TREE PROTECTION (CONSTRUCTION EXCLUSION ZONE - CEZ) AND PROTECTIVE BARRIER

SITE:	11 Briardale Gardens, NW3 7PN
CLIENT:	
BRIEF:	CARRY OUT A PHASE I ARBORICULTURAL IMPACT (<i>TREE CONSTRAINT</i>) ASSESSMENT ON THE PROPOSED DEVELOPMENT AT THE ABOVE SITE.

SURVEYOR:	R. BALL (Anita Nadkarni, Fabricspace: on-site tape & laser measuring)	PAGE: 1 of 3
ASSESSMENT DATE:	20/03/2019	
VIEWING CONDITIONS:	CLOUDY	
JOB REFERENCE:	101 351	

TREE HEDGE GROUP NO.	SPECIES (COMMON NAME)	AGE RANGE/ LIFE STAGE	HEIGHT (m)	RADIAL CROWN SPREAD (m)				CROWN CLEARANCE & DIRECTION OF GROWTH (m)	STEM/ MULTI- STEM* DIA. (mm)	VITALITY	COMMENTS/STRUCTURAL MORPHOLOGY	PRELIMINARY MANAGEMENT	CATEGORY & SUB- CATEGORY GRADING BS 5837	BS 5837 RPA RADIUS (m)	BS 5837 RPA (m ²)
				N	E	S	W								
T1	Ash	EM	9.0	1.8	1.5	4.0	2.2	2.5	128	N	<ul style="list-style-type: none"> At approx.1.3m high the trunk is heavily kinked (almost 90°) likely due to heavy shading from the adjacent elderberry T2. Low and mid-crowns shaded out by underlying large 3m high sprawling <i>Elaeagnus</i> shrub 	None at time of survey (NATS)	C2	1.5	7.4
T2	Elderberry	M	7.5	1.8	2.0	4.5	4.0	1.4	* 180; 170	N	<ul style="list-style-type: none"> Highly suppressed by the adjacent cypresses T7 & T8. As a result the crown is unbalanced and weight to the south. 	NATS	C2	2.9	27.7
T3	Ash	SM	9.5	1.8	1.5	2.0	2.0	3.5	130	N	<ul style="list-style-type: none"> Average etiolated crown form 	NATS	C2	1.5	7.6
T4	Silver Birch	EM	9.0	3	4	4	4	3.8	158	N	<ul style="list-style-type: none"> Low and mid-crown suppressed by underlying sprawling 2.5m high <i>Berberis</i>. 	NATS	C2	1.9	11.3
T5	Lime <i>Third-party tree with no access to fully survey</i>	M	14.0	8	5	6	5	? <i>Distal tree</i>	Est. 700	N	<ul style="list-style-type: none"> Heavily topped in past 	? See access	C2(?) See access	8.4	221.6
T6	Cherry Laurel <i>Third-party large shrub with no access to fully survey</i>	EM	8.0	2.5	2.5	2.5	2.5	3.0	Est. 320; 150	N	<ul style="list-style-type: none"> Average large shrub 	? See access	C2(?) See access	4.2	56.5

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				N	E	S	W								
T7	Lawson Cypress <i>Third-party tree with no access to fully survey</i>	EM	18.0	3.5	3.5	3.5	3.5	4.0	Est. 480	N	<ul style="list-style-type: none"> Poor co-dominate trunk form (progressive structural defect). 	? See access	C2(?) See access	5.7	104.2
T8	Lawson Cypress <i>Third-party tree with no access to fully survey</i>	EM	14.0	3.5	3.5	3.5	3.5	1.8	Est. 420	N	<ul style="list-style-type: none"> Trunk constricted with 'support rope' 	Advise owner to review constricting rope	C2(?) See access	5.1	79.8
T9	Privet <i>Third-party large shrub with no access to fully survey</i>	M	8.0	7	4	6	2.5	2.0	Est. * 150; 150; 120 x 3; 3 x 90	N	<ul style="list-style-type: none"> Crown suppressed on west side by T8 	? See access	C2(?) See access	4.2	55.4
T10	English Oak <i>Third-party tree with no access to fully survey</i>	M	18.0	6	6	7	4	? See access	Est. 900	N	<ul style="list-style-type: none"> Leaning trunk form. Suppressed crown form but still a significant tree in the immediate locale 	? See access	C2(?) See access	10.8	366.4
T11	Lawson Cypress <i>Third-party tree with no access to fully survey</i>	SM	5.0	1.5	1.5	1.8	1.8	1.8	Est. 180	N	<ul style="list-style-type: none"> Trunk constricted with 'support rope'. Heavily suppressed crown form 	Advise owner to review constricting rope	C2(?) See access	2.1	14.6
T12	Sycamore <i>Third-party tree with no access to fully survey</i>	EM	19.0	6	4	6	4	? See access	Est. 500	N	<ul style="list-style-type: none"> Suppressed by flanking trees 	? See access	C2(?) See access	6.0	113.1

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				N	E	S	W								
T13	Horse Chestnut (?) <i>Third-party distal tree with no access to fully survey</i>	M	24.0	9	9	9	4	? See access	Est. 1000	N	• Dominate tree in the immediate locale	? See access	B2(?) See access	12.0	452.3
T14	Lawson Cypress <i>Third-party tree with no access to fully survey</i>	EM	17.0	3	5	5	5	? See access	Est. 350	N	• Suppressed by T15	? See access	C2(?) See access	4.2	55.4
T15	False Acacia <i>Third-party tree with no access to fully survey</i>	EM	19.0	5	5	5	5	? See access	Est. 600	N	• Low and mid-crowns appear to be shaded out by T14	? See access	C2(?) See access	7.2	162.8

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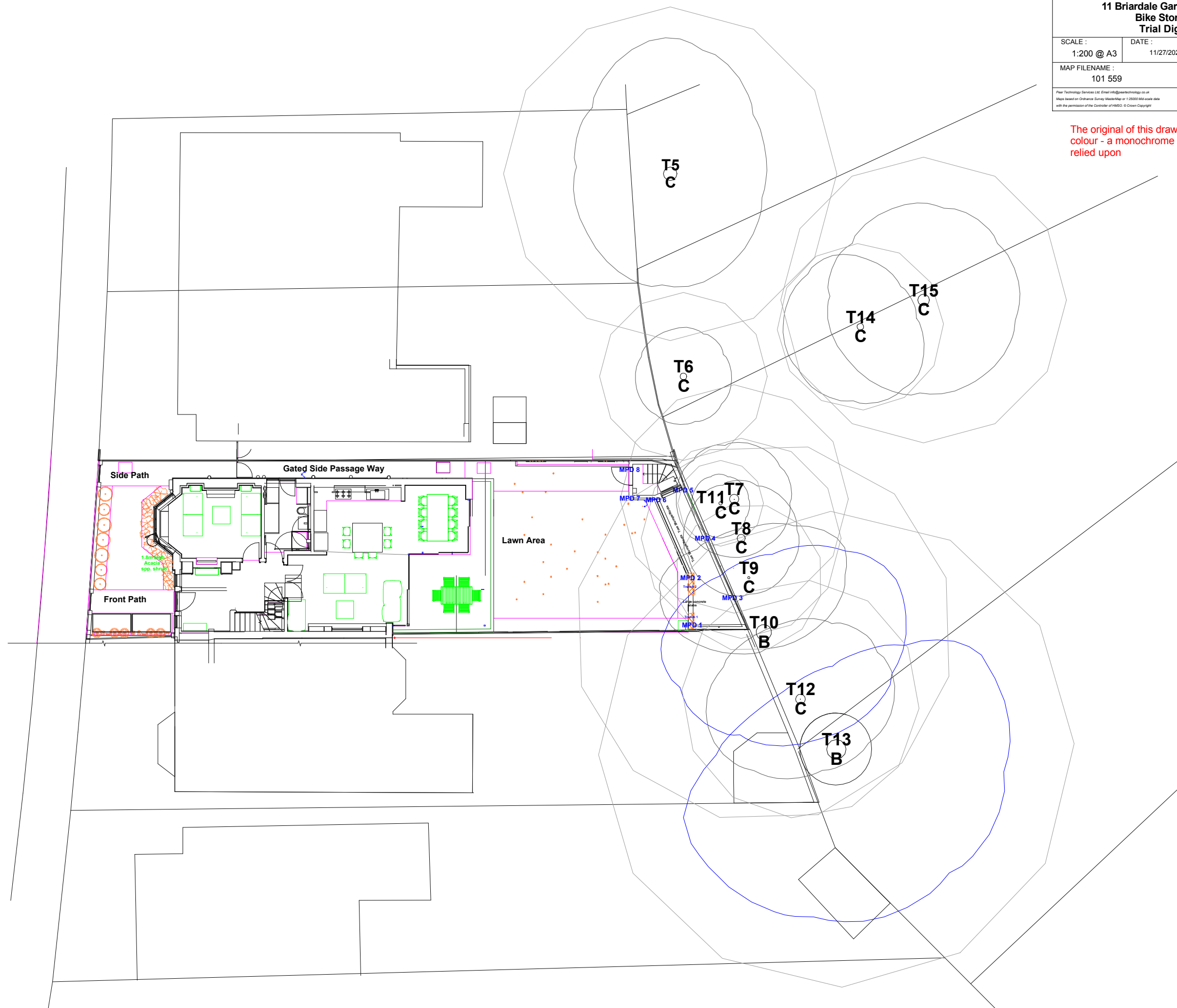
**11 Briardale Gardens NW3
Bike Store
Trial Dig**

SCALE : 1:200 @ A3	DATE : 11/27/2020	
MAP FILENAME : 101 559		

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