

Appendix 7.5: Arboricultural Assessment

1.0 Introduction

Instruction

- 1.1 Amenity Tree Care has been instructed to prepare the following Tree Constraints Report for those trees located on the Stanley Park site in Liverpool.
- 1.2 I (Simon Brain) surveyed the site and I am a chartered arboriculturist with 22 years' experience holding the LANTRA Professional Tree Inspection certificate.

Arboricultural constraints

- 1.3 The tree constraints report has been carried out in line with the recommendations in BS 5837:2012 *Trees in relation to design, demolition and construction – Recommendations* and will evaluate the direct and indirect constraints of the current tree population on the site.
- 1.5 The constraints assessment considers trees on site as well as above and below ground constraints such as canopy extent, Root Protection Area (RPA) / extent of any likely modifications to RPA position, first significant branch and crown height. The constraints report provides a retention value category (appendix 2 BS5837 cascade chart) that shall also be used to inform any future design layout as these constraints can have a direct influence on the use of the site. Above ground, constraints are considered in line with the recommendations in section 5.2 of BS 5837:2012. No assessments are made of potential direct sunlight obstruction.
- 1.6 Whilst further consideration will be required at the design stage in the form of an Arboricultural Impact Assessment (AIA) the tree constraints survey and report shall be used to inform and influence the design of the development scheme prior to the AIA being undertaken. This shall facilitate an opportunity for trees identified as meriting retention within the constraints report to be included in an assessment of any modifications to scheme that need to be made to achieve tree retention. This process shall avoid uncontrolled arboricultural impacts because of improper planning referred to in BS5837:2012 sections 4.4.1.2 and 4.4.1.3.
- 1.7 Below ground constraints are influenced by the RPA and are determined in line with the recommendations set out in section 4.6 of BS 5837:2012. These recommendations quantify the RPA based on a measured stem diameter in accordance with Annex C, and the RPA determined from Annex D. Those trees with two to five stems are calculated using the calculation in 4.6.1.
- 1.8 It is important to understand that when considering the RPA with regards to the circular plot as provided by BS5837:2012 and delineated on the Tree Constraints Plan (TCP) that many site factors are influencing root morphology on this site because of the prevailing local conditions at site level. Site related factors that modify the physical shape of the RPA such as the presence of root barriers are not considered to be generally present on this site.

2.0 Report Limitations

- 2.1 The inspection has been carried out from ground level only, using visual observation methods as this is a preliminary report as requested by the client, should a more detailed inspection be required then this will be highlighted in the recommendations.
- 2.2 Trees are living organisms whose health and condition can change rapidly, the health, condition and safety of trees should be checked on a regular basis, preferably at least once a year. The conclusions and recommendations in this report are valid for a period of two years from the date of this report. This period of validity may be reduced in the case of any change in conditions to or in proximity to the tree/s.
- 2.3 No analysis of soil samples was undertaken.
- 2.4 Any legal descriptions or information given to the consultant are understood to be accurate and no responsibility is assumed by Amenity Tree Care Ltd for legal matters that may arise from this report and the consultant shall not be required to give testimony or to attend court unless subsequent contractual arrangements are made.
- 2.5 Any alteration or deletion from this report will invalidate it and the conclusions of this report will remain valid for twelve months from the date of the report.
- 2.6 The responsibility for any tree work(s) undertaken on the surveyed trees rests with the land managers.
- 2.7 The survey has been undertaken using the supplied topographical which was found to be accurate in tree positions.
- 2.8 The Local Planning Authority have not been contacted to check for the presence of Tree Preservation Order (TPO) or Conservation Area. We strongly recommend this check is made.

3.0 Methodology and data collection

- 3.1 The site was visited, and the trees were assessed visually utilising the Visual Tree Assessment (VTA) methodology. The survey system and report are based on BS5837:2012.
- 3.2 Each individual tree has been assessed with general regard to condition, health and structural suitability, retention value and commented upon in the report within Appendix 3 survey schedule. The survey schedule contains individual, group, and woodland records which includes detailed information relating to tree species, height, stem diameters, crown dimensions, crown height, age class, four cardinal point canopy measurements and estimated remaining contribution. The RPA is provided as a radius and total square meter coverage.
- 3.3 Where dimensions have been recorded trees the following measurement conventions have been observed:
- a) Height, crown spread, and crown clearance have been recorded to the nearest half metre (crown spread has been rounded up) for dimensions up to 10m and the nearest whole meter for dimensions over 10m.
 - b) Stem diameters have been recorded in millimetres and rounded to the nearest 10mm
- 3.4 The use of tree groups is referred to in BS5837:2012 in reference 4.4.2.2 where it is noted that within groups some individual trees will be assessed where there is a need to differentiate the tree from the group attributes. Within the tree groups the largest stem diameters have been recorded, assuming they are a reasonable representation of the entire group. The term “group” is intended to identify trees forming cohesive features by means of planting, visually or culturally including biodiversity factors.
- 3.5 Recommendations for remedial tree works (Preliminary Management Recommendations) have been provided based on the tree(s) current condition. Management recommendations are provided in the survey sheets for individual trees, tree groups and woodland.
- 3.6 Tree positions have been taken from the supplied topographical.
- 3.8 Included in the sites survey sheets contained in appendix 3 is a comments section. During the survey comments have been based on the following arboricultural and landscape considerations and constraints:
- Whether the reference formed part of group shelter / cohesive feature
 - The visual amenity and strategic landscape position
 - Development constraints (residential/commercial/other)
 - Species suitability for environment (given the site prominence)
 - Third party vegetation
 - Arboricultural longevity

- Basic ecological contribution of groups and hedgerows and woodlands
- Site specific constraints
- Future maintenance
- An assessment of the applicability of any modified RPA

4.0 Arboricultural Constraints

- 4.1 The principle arboricultural constraints are listed in the site survey sheets and shown on the TCP contained within appendix 4. These principle constraints used in design are; Tree canopy extent, RPA extents and retention value.
- 4.2 It is important to understand the significance of cohesive arboricultural features which are often linked and afford mutual shelter to their component parts. In many areas of the site continuous groups of vegetation are formed by tree groups, woodlands and even hedgerows. The loss of areas of trees within continuous groups can have a disproportionately negative affect on the stability of those retained trees growing within the remaining areas.

5.0 Survey area

- 5.1 The survey area consists of a public Park, adjacent to the Anfield football ground.

6.0 Summary

- 6.1 376 records have been made across the site compromising of 359 individual trees and 17 tree groups.
- 6.2 In summary the following retention values have been recorded:

A (166 records)	127;128;189;213;301;302;303;304;305;306;307;308;309;310;311;312;314;315;316;317;318;319;321;322;323;324;325;326;327;328;329;330;331;332;333;334;335;337;338;339;340;341;342;343;344;355;356;357;358;359;360;361;362;363;364;365;366;367;368;369;370;371;372;373;374;375;378;379;380;381;382;384;385;386;387;388;389;390;391;392;394;395;396;397;400;402;405;406;407;39;40;41;43;44;45;46;47;48;49;50;51;52;53;55;58;60;61;62;63;64;66;67;68;69;70;71;72;73;74;75;76;77;78;99;100;101;104;105;114;124;125;130;131;185;190;196;198;201;202;205;214;221;223;224;225;236;237;242;243;244;248;249;265;271;276;278;279;280;281;282;283;289;290;291;292;410
B (132 records)	241;295;296;297;298;299;300;G15;4;5;6;11;12;13;14;15;16;17;18;19;21;25;26;27;28;33;35;36;37;38;54;57;65;79;80;81;82;83;84;85;86;87;91;92;93;94;95;96;103;108;109;110;111;115;118;120;121;123;126;129;132;137;139;140;144;145;146;147;150;152;153;154;160;161;162;163;164;168;169;170;171;172;173;174;175;176;177;178;179;182;184;187;188;197;199;204;206;209;212;217;218;219;222;228;229;232;245;246;247;250;251;252;253;255;257;258;261;262;263;266;268;275;277;285;286;287;288;417;G1;G2;G9;G11
C (56 records)	233;1;2;3;7;8;9;24;29;30;56;97;116;117;136;148;149;155;156;159;166;167;181;183;191;192;193;194;195;203;256;260;269;270;294;408;409;411;412;413;414;415;416;419;420;G3;G4;G5;G6;G7;G8;G10;G12;G13;G14;G 17
U (21 records)	34;88;90;98;143;165;180;186;239;240;293;320;376;377;383;393;399;401;403;404;418

- 6.3 There are 166 category A records that include individual trees, all exhibiting significant visual amenity in the local and wider landscape. These trees form mature continuous arboricultural features across the site and they are placed to become publicly prominent as they are located on the edge of development site.

The category A records on the site are the most significant arboricultural records in terms of the provision of wider public amenity and landscape context.

- 6.4 The site also contains a high number of Category B trees, 132 in total. Many of these records are located within groups that form wider visual amenity.

The category B records are important arboricultural assets as they provide amenity value in the local and wider landscape and exhibit arboricultural quality and longevity.

- 6.5 A total number of 298 records are important arboricultural assets and have been awarded high retention values (A1 to B2) due to their longevity and visual prominence.

- 6.4 There are 56 records that have been categorised as retention value 'C' due to their limited arboricultural merit or impaired condition which are unlikely to pose as a constraint to. Their loss could be mitigated by replacement planting.

- 6.5 21 Category U trees have been recorded on the site.

7.0 Concluding statement

- 7.1 The sites main arboricultural interest is located around the Stanley Park boundaries boundary with Priory Road particularly but also a significant number of high value trees are also located on all the site's boundaries.

- 7.2 Every design effort should be made to retain category A and B trees across this site and there is a formal requirement for an Arboricultural Implications Assessment of the proposed development in order to assess tree protection and retention matters.

- 7.3 The remaining trees growing across the site are of little arboricultural significance.

Appendix 1

Survey Key

Tree No. Sequential reference number e.g. T1, T2 for individual trees, where trees are determined to be a group they will be denoted as follows G1, G2 and W1, W2 for woodlands.

Species: Recorded and listed by both common name and scientific name

Stem: Principal above ground structural component(s) of a tree that supports its branches.

Height: Provides indication of the height of the tree and is measured in meters from ground level to the upper canopy edge and is recorded up to the nearest half meter for heights up to 10 meters and the nearest meter for heights over 10 meters.

Stem diameter: Measured at a height of 1.5 meters from ground level using a diameter tape and recorded in millimetres. Where the stem cannot be measured at 1.5 meters due to irregular swellings on the stem or low branching then the position of measurement will be taken in accordance with the specification in Annex C of BS 5837:2012

Crown spread: Measured at the four cardinal points of a compass (north, south, east, and west) from the centre of the stem and rounded up to the nearest meter in order to provide an accurate representation of the crown spread in order to show above ground constraints.

Crown height: Measured distance between the lowest points of the crown from ground level.

Life stage: A method of age estimation e.g. young - the first one third of the estimated life expectancy, middle mature- the second third of the estimated life expectancy, mature- The last third of the estimated life expectancy , over mature- trees showing obvious signs of senescence

First significant branch (FSB): The direction of growth of the first significant branch from the point of attachment.

Comments: A brief evaluation and description of the tree in order to inform on significant defects or characteristics relating to tree form. Where comments are not present it should be assumed that no relevant features were exhibited.

Recommendations: Arboricultural recommendations based on the current land use only and are provided where action is required in order to aid in the long term management of the tree or for reasons of site safety.

Survey restrictions: It may be necessary on occasion to estimate tree dimensions where access is not available or where structure(s) or vegetation is precluding the visual assessment. Where dimensions are estimated it will clearly be marked in the tree survey schedule and be suffixed with #.

Root protection area (RPA) Layout design tool indicating the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the trees viability. All stem diameters are calculated in line with the guidance given in BS 5837:2012 Annexe D

Tree categorisation: a method of apportioning a value (non-fiscal) to trees in order to identify the quality and value of existing tree stocks, allowing for informed decisions to be made regarding which trees are to be retained or removed dependant on development occurring. Category U-Those in such a condition that cannot realistically be retained as living trees in the context of the current land use for longer than 10 years. Category A-Trees of a high quality with an estimated life expectancy of at least forty years. Category B-Trees of a moderate quality with an estimated remaining life expectancy of at least 20 years. Category C-Trees of a low quality with an estimated remaining life expectancy of at least 10 years.

Please refer to Table 1 Cascade chart for tree quality assessment, including subcategories, reference BS 5837:2012

Estimated remaining contribution: estimated remaining life expectancy e.g. <10, 10+, 20+, 40+

Statutory wildlife obligations: The Wildlife and Countryside Act 1981

The Wildlife and Countryside Act 1981 as amended, the Countryside and rights of Way Act 2000 and the Conservation of Habitats and Species Regulations 2017.

These regulations protect all wild birds and make it an offence to intentionally or recklessly disturb any wild bird listed on Schedule 1 while it is nest building, or at a nest containing eggs or young, or disturb the dependent young of such a bird.

Furthermore the Act makes it an offence (with exception to species listed in Schedule 2) to intentionally:

- kill, injure, or take any wild bird,
- take, damage or destroy the nest of any wild bird while that nest is in use or being built (also [take, damage or destroy the nest of a wild bird included in Schedule ZA1] under the Natural Environment and Rural Communities Act 2006), or
- take or destroy an egg of any wild bird

Bats are protected under Schedule 2 of the Conservation of Habitats and Species Regulations 2017, making it an offence to damage or destroy a roost site even if the roost is not occupied at the time. The potential fines for each offence is £5000 and if more than one bat is involved in the incident then the fine can be extended to £5000 per bat. A prison sentence can be issued with offenders serving up to six months in prison.

Appendix 2

Table 1 cascade chart

Category and definition	Criteria (including subcategories where appropriate)	Identification on plan		
Trees unsuitable for retention (see Note)				
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	• Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning) • Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline • Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7			
	1 Mainly arboricultural qualities	2 Mainly landscape qualities	3 Mainly cultural values, including conservation	
Trees to be considered for retention				
Category A Trees of high quality with an estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)	
Category B Trees of moderate quality with an estimated remaining life expectancy of at least 20 years	Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality	Trees with material conservation or other cultural value	
Category C Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefits	Trees with no material conservation or other cultural value	

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Appendix 3 Survey Schedule

Tag	Common Name	Crown N	Crown E	Crown S	Crown W	Age	Diameter	Stem	Height	Lower Crown Height	Category	Life Exp	Comments	Preliminary management Reccomendations	RPA-R
1	Lombardy Poplar	2	4	4	4	M	680	1	21	5	C2	20+	Cracks to adjacent hard surfaces. Tree located within hard surface area.		8.16
2	Lombardy Poplar	2	2	3.5	3.5	M	530	1	21	5	C2	20+	Cracks to adjacent hard surfaces. Tree located within hard surface area.		6.36
3	Lombardy Poplar	3.5	3.5	2	1	M	430	1	21	5	C2	20+	Cracks to adjacent hard surfaces. Tree located within hard surface area.		5.16
4	Sycamore	3.5	3.5	3.5	3.5	EM	320	1	9	4	B2	20+	Tree located within hard surface area.		3.84
5	Hawthorn	1.5	3	3.5	3	M	210	1	6	2.5	B2	20+			2.52
6	Hawthorn	4	2.5	2.5	2.5	M	230	1	6	2.5	B2	20+			2.76
7	Lombardy Poplar	4	2	1.5	3	M	410	1	21	4	C2	20+	Cracks to adjacent hard surfaces. Tree located within hard surface area.		4.92
8	Lombardy Poplar	4	4	2	1.5	M	650	1	21	4	C2	20+	Cracks to adjacent hard surfaces. Tree located within hard surface area.		7.8
9	Lombardy Poplar	2	2	3	3	M	720	1	11.5	4	C2	20+	cracks to adjacent hard surfaces. Tree located within hard surface area. Stem divides above 1.5m.		8.64
10													Removed from site		
11	Hawthorn	3.5	3.5	2.5	3.5	M	190	1	6.5	2	B2	20+			2.28
12	Hawthorn	2	3	4	2.5	M	200	1	6.5	2	B2	20+	Unbalanced crown shape.		2.4
13	London Plane	4.5	2	2	4.5	EM	360	1	10.5	4	B2	40+	Part of linear group. Unbalanced crown shape.		4.32
14	London Plane	5.5	5.5	4.5	2	M	320	1	12.5	4	B2	40+	Part of linear group. Unbalanced crown shape.		3.84
15	London Plane	2	4	4.5	3.5	EM	570	1	11	4	B2	40+	Part of linear group. Unbalanced crown shape.		6.84
16	London Plane	7.5	6	6	6	M	560	1	14	4	B2	40+	Part of linear group.		6.72
17	Hawthorn	3	3	3	3	M	250	1	6.5	2	B2	20+			3
18	Hawthorn	3	2	3	3	M	260	1	6.5	2	B2	20+			3.12
19	Hawthorn	0.5	2.5	3	1	M	190	1	5	2	B2	20+			2.28
20													Removed from site		
21	Hawthorn	3.5	3.5	3.5	3.5	M	270	1	5.5	2	B2	20+	Part of linear group.		3.24
22	Lombardy Poplar	2	0.5	0.5	2.5	EM	370	1	15	2	C2	20+	Part of linear group.	Removed from site	4.44
23	Lombardy Poplar	2.5	2.5	0.5	0.5	M	500	1	16.5	2	C2	20+	Part of linear group.	Removed from site	6
24	Lombardy Poplar	1	1.5	2	3	M	800	1	18.5	2	C2	20+	Part of linear group.		9.6
25	Sycamore	4	4	4	4	EM	280,170,210,290	3	10	2	B2	20+	Part of linear group.		5.82
26	Lombardy Poplar	3	3	3	3	M	850	1	18	3	B2	20+	Part of linear group.		10.2
27	Sycamore	6.5	6.5	6.5	6.5	M	530,430	2	12	3	B2	40+	Part of linear group.		8.18
28	Hawthorn	1	1	1.5	3.5	EM	250	1	5	1	B2	20+	Part of linear group. Crown distorted due to group pressure.		3
29	Lombardy Poplar	1	2	2	2	M	590	1	17.5	1	C2	20+	Part of linear group.		7.08
30	Lombardy Poplar	4.5	4	2	3.5	M	690	1	18.5	1	C2	20+	Part of linear group.		8.28

Tag	Common Name	Crown N	Crown E	Crown S	Crown W	Age	Diameter	Stem	Height	Lower Crown Height	Category	Life Exp	Comments	Preliminary management Reccomendations	RPA-R
31	Rowan	1	3	2	0	OM	240	1	5.5	1	C2	10+	Part of linear group. Major bark wounding on stem.	Removed from site	2.88
32	London Plane	1.5	3.5	3.5	3.5	EM	360	1	10	3	B2	40+	Part of linear group.	Removed from site	4.32
33	London Plane	6.5	6.5	6.5	4	M	500	1	11.5	3	B2	40+	Part of linear group.		6
34	London Plane	2.5	2.5	2.5	5.5	EM	370	1	10	3	U	<10	Part of linear group. Cavity on stem. Major bark wounding on stem.	Remove	4.44
35	Hawthorn	2.5	2.5	2.5	2.5	EM	200	1	6	2	B2	<10	Part of linear group.		2.4
36	Hawthorn	3	3	3	3	EM	200	1	6.5	2	B2	<10	Part of linear group.		2.4
37	Hawthorn	0.5	2	3.5	2	EM	210	1	6.5	2	B2	<10	Part of linear group. Crown distorted due to group pressure.		2.52
38	Rowan	3.5	3.5	3.5	3.5	M	300	1	7.5	2	B2	20+	Part of linear group.		3.6
39	Sycamore	6	7	7	7	M	600	1	13.5	2	A2	40+			7.2
40	Sycamore	7	6	6	6	M	540	1	13.5	2	A2	40+			6.48
41	Sycamore	6	6	6	6	M	430	1	13.5	2	A2	40+			5.16
42	Sycamore	6	6	6	6	M	590	1	14.5	2	A2	40+		Removed from site	7.08
43	Oak	7.5	7.5	7.5	7.5	M	660	1	15	2	A2	40+			7.92
44	Oak	7.5	8.5	7.5	7.5	M	660	1	16	2	A2	40+			7.92
45	Sycamore	6.5	6.5	6.5	6.5	M	460	1	13.5	2	A2	40+			5.52
46	Sycamore	7	7	7	7	M	610	1	14.5	2	A2	40+			7.32
47	Sycamore	7	7	7	7	M	670	1	15	2	A2	40+			8.04
48	Sycamore	7	7	7	7	M	630	1	16	2	A2	40+			7.56
49	Common Alder	6	6	6	6	M	630	1	16	2	A2	40+			7.56
50	Sycamore	6	6	6	6	M	410/270	2	12	2	A2	40+			6.96
51	Sycamore	6	6	6	6	M	380	1	12	2	A2	40+			4.56
52	Ash	6	3	6	7	M	530	1	12.5	2	A2	40+			6.36
53	Ash	6	6.5	6	3	M	420	1	12.5	2	A2	40+			5.04
54	Sycamore	5	5	5	5	EM	470	1	12	2	B2	20+			5.64
55	Sycamore	6.5	6	6.5	6.5	M	580	1	13.5	2	A2	40+			6.96
56	Sycamore	3	6	3	6.5	M	450	1	10.5	2	C2	10+	Low vitality.		5.4
57	Pear	1	2	3	2	M	210	1	7	2	B2	20+	Leaning South.		2.52
58	Beech	7.5	6	6	6	M	600	1	11.5	2	A2	40+			7.2
59	Sycamore	7.5	6	6	6	M	600	1	12.5	2	A2	40+		Removed from site	7.2
60	Sycamore	6.5	6.5	6.5	6.5	M	550	1	13.5	2	A2	40+			6.6
61	Sycamore	4.5	4.5	4.5	4.5	M	410	1	13.5	2	A2	40+			4.92
62	Ash	6	6	6	6	M	600	1	15.5	2	A2	40+	Stem divides above 1.5m.		7.2
63	Sycamore	6.5	6.5	6.5	6.5	M	610	1	15.5	2	A2	40+			7.32
64	English Elm	6.5	7	6.5	4	M	550,370,380	3	15.5	2	A2	40+			9.17
65	Sycamore	1	3	3	3	EM	240	1	10	2	B2	20+			2.88
66	Sycamore	6.5	6.5	6.5	6.5	M	630	1	14.5	2	A2	20+	Major deadwood in crown.		7.56
67	Sycamore	3	5	5	3	M	450	1	14.5	2	A2	20+			5.4
68	Beech	4.5	4.5	6.5	4.5	M	640	1	14.5	2	A2	40+			7.68
69	English Elm	2	2	4.5	2	M	390/200/260	3	14.5	2	A2	40+			8.1
70	Sycamore	4	6.5	7	6.5	M	620	1	16	2	A2	40+			7.44
71	Sycamore	5.5	5	4	5	M	490	1	16	2	A2	40+			5.88
72	Sycamore	5.5	2	5.5	5.5	M	420	1	16	2	A2	40+			5.04
73	Oak	8.5	6	8.5	8.5	M	640	1	17	2	A2	40+			7.68
74	Sycamore	4.5	4.5	4.5	4.5	M	440	1	13	2	A2	40+			5.28
75	Sycamore	5	6.5	5	5	M	590	1	14	2	A2	40+			7.08
76	Sycamore	5	6.5	3	5.5	M	590	1	14.5	2	A2	40+			7.08
77	Sycamore	1	5	7.5	5	M	500	1	14.5	2	A2	40+			6
78	Oak	5	2.5	6	5	M	550	1	14.5	2	A2	40+			6.6
79	Hawthorn	3	3	3	3	M	400	1	8	2	B2	20+			4.8

Tag	Common Name	Crown N	Crown E	Crown S	Crown W	Age	Diameter	Stem	Height	Lower Crown Height	Category	Life Exp	Comments	Preliminary management Reccomendations	RPA-R
80	Hawthorn	3	1	3	5	M	380	1	8	2	B2	20+			4.56
81	Sycamore	5	5	5	5	M	430	1	10.5	2	B2	20+			5.16
82	Sycamore	5	5	5	5	M	370	1	10.5	2	B2	20+			4.44
83	London Plane	6	2	0	2	M	410	1	12	2	B2	20+	Leaning North.		4.92
84	London Plane	6	2.5	2.5	4.5	M	520	1	12	2	B2	20+	Leaning North.		6.24
85	London Plane	2	4	7	6	M	470	1	12	2	B2	20+			5.64
86	Locust Tree	8	8	8	8	M	680	1	14	2	B2	20+			8.16
87	Locust Tree	8	5.5	8	8	M	640	1	14	2	B2	20+			7.68
88	Locust Tree	0	2	5	3	Y	100	1	6	2	U	<10		Remove	1.2
89	Sycamore	6.5	6.5	6.5	6.5	M	650	1	14.5	3	A2	40+		Removed from site	7.8
90	Wild Cherry	6.5	2	2	6.5	OM	520	1	6	3	U	<10	Decay present on stem.	Remove	6.24
91	Wild Cherry	6	5	3	5	M	430	1	7	3	B2	20+	Part of linear group.		5.16
92	Wild Cherry	7.5	7.5	7.5	7.5	M	550	1	8	3	B2	20+	Part of linear group.		6.6
93	Wild Cherry	4.5	4.5	4.5	4.5	M	360	1	8	3	B2	20+	Part of linear group.		4.32
94	Wild Cherry	5	5	5	5	M	360	1	9.5	3	B2	20+	Part of linear group.		4.32
95	Sycamore	4	4	4	4	EM	250	1	9	3	B2	20+	Part of linear group.		3
96	Sycamore	4	4	4	4	EM	220	1	9	3	B2	20+	Part of linear group.		2.64
97	Wild Cherry	6.5	5	1	1	EM	430,320	1	9	3	C2	20+	Part of linear group. Leaning North-West. Unbalanced crown shape. Crown distorted due to group pressure.		6.43
98	Wild Cherry	0	1	5	3	EM	300	1	5	3	U	<10	Part of linear group. Fungal brackets visible on stem.	Remove	3.6
99	Sycamore	6	9	8	8	M	770	1	15	3	A2	40+	Part of linear group.		9.24
100	Sycamore	6	6	6	6	M	550	1	15	3	A2	40+	Part of linear group.		6.6
101	Sycamore	7	5	7	7	M	650	1	15	3	A2	40+	Part of linear group.		7.8
102	Sycamore	6	3	6	7	M	510	1	12.5	3	B2	20+	Part of linear group.	Removed from site	6.12
103	Sycamore	4	4	4	4	M	470	1	13.5	3	B2	20+	Part of linear group.		5.64
104	Sycamore	6	6	6	6	M	670	1	14	3	A2	20+	Part of linear group.		8.04
105	Sycamore	6	4	6	7	M	470	1	14	3	A2	20+	Part of linear group.		5.64
106	Sycamore	5	4	5	5	M	400	1	14	3	A2	20+	Part of linear group.	Removed from site	4.8
107	Sycamore	5	5	6.5	5	M	480	1	13.5	3	A2	40+	Part of linear group.	Removed from site	5.76
108	Sycamore	4	6	4	4	EM	410	1	13.5	3	B2	20+	Part of linear group.		4.92
109	Sycamore	4	4	4	4	M	510	1	11.5	3	B2	20+	Part of linear group.		6.12
110	Sycamore	5	5	5	5	M	580	1	11.5	3	B2	20+	Part of linear group.		6.96
111	Holly	2.5	3.5	2.5	2.5	M	230	1	6.5	3	B2	20+	Part of linear group.		2.76
112	Holly	2.5	3.5	2.5	2.5	M	185/185/110	1	6.5	3	B2	20+	Part of linear group.	Removed from site	2.22
113	Sycamore	6	6	6	6	M	600	1	13	3	A2	40+	Part of linear group.	Removed from site	7.2
114	Sycamore	6	6	6	6	M	510	1	13.5	3	A2	40+	Part of linear group.		6.12
115	Holly	3	3	3	3	M	220	1	6.5	3	B2	20+	Part of linear group.		2.64
116	Wild Cherry	2	3.5	2.5	1	M	200	1	8.5	3	C2	10+	Part of linear group.		2.4
117	Holly	4	4	4	4	M	350/190	2	8.5	3	C2	10+	Part of linear group.		5.94
118	Sycamore	4	6	4	4	M	485	1	11.5	3	B2	20+	Part of linear group.		5.82
119	Sycamore	5	6	5	7	M	450	1	12.5	3	B2	20+	Part of linear group.	Removed from site	5.4
120	Sycamore	5	6	5	7	M	550	1	12.5	3	B2	20+	Part of linear group.		6.6
121	Sycamore	6	4	6	7	M	510	1	12.5	3	B2	20+	Part of linear group.		6.12
122	Hawthorn	2	2	2	3.5	M	190	1	6.5	3	B2	20+	Part of linear group.	Removed from site	2.28
123	Hawthorn	4	4	4	4	M	420	1	10.5	3	B2	20+	Part of linear group.		5.04
124	Sycamore	6	6	6	8	M	690	1	14.5	3	A2	40+	Part of linear group.		8.28
125	English Elm	5	3.5	5	5	M	695	1	16.5	3	A2	40+	Part of linear group.		8.34
126	Holly	3	1	3	3	M	230	1	7	3	B2	20+	Part of linear group.		2.76
127	Sycamore	8.5	8.5	8.5	8.5	M	740	1	18	3	A1	40+			8.88
128	Sycamore	8.5	8.5	8.5	8.5	M	1000	1	16	3	A1	40+			12

Tag	Common Name	Crown N	Crown E	Crown S	Crown W	Age	Diameter	Stem	Height	Lower Crown Height	Category	Life Exp	Comments	Preliminary management Reccomendations	RPA-R
129	Wild Cherry	5.5	5.5	5.5	5.5	M	500	1	9	3	B2	20+			6
130	Sycamore	6.5	6.5	6.5	6.5	M	600	1	13.5	3	A2	40+	Part of linear group.		7.2
131	Beech	9.5	6.5	6.5	6.5	M	840	1	17	3	A2	40+	Part of linear group. Stem divides above 1.5m.		10.08
132	Sycamore	7.5	7.5	7.5	7.5	M	610/620	2	17	3	B2	40+	Part of linear group. Stem divides at ground level.		10.36
133													Removed from site		
134													Removed from site		
135													Removed from site		
136	Sycamore	2	2.5	4.5	3.5	EM	300	1	11	3	C2	20+	Part of linear group. Unbalanced crown shape. Crown distorted due to group pressure.		3.6
137	Sycamore	5.5	5.5	5.5	5.5	M	300,275,420	2	13	3	B2	20+	Part of linear group.		6.3
138													Removed from site		
139	Hawthorn	3	3	3	3	M	280	1	8	3	B2	20+	Part of linear group.		3.36
140	Ash	8.5	8.5	9.5	8.5	M	710	1	13.5	3	B2	20+	Part of linear group.		8.52
141														Removed from site	
142	Norway Maple	4	2	2	2	EM	260	1	8	2	U	<10	Major bark wounding on stem.	Remove	3.12
143	Norway Maple	5.5	5.5	5.5	5.5	EM	435	1	10	2	U	<10	Decay present on stem. Fungal brackets visible on stem. Major bark wounding on stem.	Remove	5.22
144	Norway Maple	3.5	3.5	5	4	EM	300	1	10	2	B2	20+			3.6
145	Sycamore	4	4	4	4	EM	350	1	11.5	2	B2	20+	Part of linear group.		4.2
146	Hybrid Black Poplar	4	4	4	4	EM	645	1	17.5	2	B2	20+	Part of linear group.		7.74
147	Norway Maple	4	5.5	4	4	EM	440	1	12.5	2	B2	20+	Part of linear group.		5.28
148	Wild Cherry	4	2.5	2.5	2.5	EM	220	1	5	2	C2	20+	Part of linear group. Unbalanced crown shape.		2.64
149	Norway Maple	3	3	1	3	EM	240	1	6	2	C2	20+	Part of linear group. Unbalanced crown shape.		2.88
150	Sycamore	3	3	4	3	EM	280	1	10	2	B2	20+	Part of linear group. Crown distorted due to group pressure.		3.36
151	Sycamore	1	3	4.5	3	EM	330	1	11	2	B2	20+	Part of linear group. Crown distorted due to group pressure.	Removed from site	3.96
152	Sycamore	0	1.5	4.5	1.5	EM	275	1	11	2	B2	20+	Part of linear group. Crown distorted due to group pressure.		3.3
153	Norway Maple	3	2.5	3.5	2.5	SM	340	1	13	2	B2	20+	Part of linear group. Crown distorted due to group pressure.		4.08
154	Norway Maple	1	3	5	3	SM	360	1	14	2	B2	20+	Part of linear group. Crown distorted due to group pressure.		4.32
155	Norway Maple	2	2	2	2	Y	140	1	8	2	C2	20+	Poor shape & form. Part of linear group. Unbalanced crown shape. Crown distorted due to group pressure.		1.68
156	Norway Maple	4	2	1	2	Y	160	1	8.5	2	C2	20+	Poor shape & form. Part of linear group. Unbalanced crown shape. Crown distorted due to group pressure.		1.92
157	Norway Maple	5	4	3	4	SM	385	1	12	2	B2	20+	Part of linear group.	Removed from site	4.62
158	Norway Maple	5	4	3	4	SM	390	1	12	2	B2	20+	Part of linear group.	Removed from site	4.68
159	Norway Maple	0.5	0.5	0.5	0.5	Y	100	1	12	2	C2	20+	Poor shape & form. Part of linear group.		1.2
160	Norway Maple	6	4.5	2	4.5	SM	390	1	13.5	2	B2	20+	Part of linear group.		4.68

Tag	Common Name	Crown N	Crown E	Crown S	Crown W	Age	Diameter	Stem	Height	Lower Crown Height	Category	Life Exp	Comments	Preliminary management Reccomendations	RPA-R
161	Norway Maple	3	6	7	6	SM	390	1	14	2	B2	20+	Part of linear group.		4.68
162	Norway Maple	5.5	5.5	7	5.5	SM	400	1	14	2	B2	20+	Part of linear group.		4.8
163	Norway Maple	4	4	4	4	SM	415	1	14	2	B2	20+	Part of linear group.		4.98
164	Norway Maple	5.5	4	4	4	SM	420	1	14	2	B2	20+	Part of linear group.		5.04
165	Silver Maple	5.5	4	1	4	SM	400	1	14	2	U	20+	Part of linear group. Broken branches in crown. Unbalanced crown shape.	Remove	4.8
166	Sycamore	3.5	2	2	2	Y	150	1	9	2	C2	20+	Part of linear group. Unbalanced crown shape.		1.8
167	Sycamore	3.5	3.5	3.5	3.5	EM	240	1	9	2	C2	20+	Part of linear group.		2.88
168	Sycamore	3.5	3.5	3.5	3.5	EM	330	1	10	2	B2	20+	Part of linear group.		3.96
169	Sycamore	4	4	4	4	SM	350	1	14	2	B2	20+	Part of linear group.		4.2
170	Common Lime	3	3	4	3	SM	320	1	12	2	B2	20+	Part of linear group.		3.84
171	Norway Maple	5.5	3	3	3	SM	310	1	12	2	B2	20+	Part of linear group.		3.72
172	Norway Maple	2	3	5	3	SM	210	1	12	2	B2	20+	Part of linear group.		2.52
173	Norway Maple	5	3.5	3.5	3.5	SM	360	1	13	2	B2	20+	Part of linear group.		4.32
174	Norway Maple	2	3	5.5	3	SM	290	1	13	2	B2	20+	Part of linear group.		3.48
175	Norway Maple	2	3	4	3	SM	300	1	13	2	B2	20+	Part of linear group.		3.6
176	Norway Maple	2	3	4	3	SM	420	1	13	2	B2	20+	Part of linear group. Broken branches in crown.		5.04
177	Norway Maple	3	3	3	3	SM	290	1	13	2	B2	20+	Part of linear group.		3.48
178	Norway Maple	4	3.5	3.5	3.5	SM	370	1	13	2	B2	20+	Part of linear group.		4.44
179	Norway Maple	3	3	3	3	SM	290	1	13	2	B2	20+	Part of linear group.		3.48
180	Wild Cherry	4	2.5	1.5	2.5	M	310	1	6	2	U	20+	Part of linear group. Major bark wounding on stem.	Remove	3.72
181	Ash	9	9	9	9	M	710	1	13	2	C2	<10	Part of linear group. Decay present on stem. Fungal brackets visible on at base fo stem.		8.52
182	Sycamore	2	4	5	4	SM	420	1	11	2	B2	20+	Part of linear group.		5.04
183	Norway Maple	6	6	6	6	M	470	1	9.5	2	C2	10+	Part of linear group. Exudation on stem.		5.64
184	Ornamental Cherry	4.5	4.5	4.5	4.5	M	370	1	8	2	B2	10+	Part of linear group.		4.44
185	Norway Maple	7.5	7.5	7.5	7.5	M	670	1	14	2	A2	10+	Part of linear group.		8.04
186	Ash	6	7.5	8	7.5	OM	600	1	14	2	U	10+	Part of linear group. Fungal brackets visible on stem. Major bark wounding on stem. Inonotus hispidus present.	Remove	7.2
187	Ash	6.5	6.5	6.5	6.5	M	675	1	14	2	B2	20+	Part of linear group.		8.1
188	Ash	6.5	6.5	6.5	6.5	M	675	1	14	2	B2	10+	Part of linear group.		8.1
189	Sycamore	7	7	7	7	M	750	1	15.5	2	A1	40+			9
190	Silver Lime	8.5	5	8.5	8.5	M	600	1	17.5	1.5	A2	40+			7.2
191	Hawthorn	3.5	3.5	3.5	3.5	M	220	1	5.5	1.5	C2	10+	Ivy on stem. Unable to inspect stem due to Ivy.		2.64
192	Hawthorn	3.5	3.5	3.5	3.5	M	240	1	5.5	1.5	C2	10+	Ivy on stem. Unable to inspect stem due to Ivy.		2.88
193	Sycamore	4	4	4	4	EM	240	1	9.5	1.5	C2	10+	Major bark wounding on stem.		2.88
194	Sycamore	4	4	4	4	EM	295	1	11	1.5	C2	10+			3.54
195	Sycamore	4	4	4	4	M	360	1	12.5	1.5	C2	10+	Ivy on stem. Unable to inspect stem due to Ivy.		4.32
196	English Elm	5.5	6	8	6	M	690	1	15	1.5	A2	40+			8.28
197	Beech	4	7	5.5	5.5	M	590	1	15	1.5	B2	20+	Major bark wounding on stem.		7.08
198	Ash	8.5	8.5	8.5	8.5	M	850	1	18	1.5	A2	20+			10.2

Tag	Common Name	Crown N	Crown E	Crown S	Crown W	Age	Diameter	Stem	Height	Lower Crown Height	Category	Life Exp	Comments	Preliminary management Reccomendations	RPA-R
199	Sycamore	5	5	5	5	M	470	1	14	1.5	B2	20+			5.64
200	Sycamore	5	5	5	5	M	490	2	14	1.5	B2	20+		Removed from site	8.32
201	Common Lime	6	6	6	6	M	540	1	14.5	1.5	A2	40+			6.48
202	Ash	8.5	8.5	8.5	8.5	M	700	1	14.5	1.5	A2	40+			8.4
203	Betula pendula	1	1	1	1	OM	400	1	8	0.5	C2	10+	Dying, consider removal		4.8
204	Holly	3	3	3	3	M	490	3	6.5	0.5	B2	20+	Ivy on stem. Unable to inspect stem due to Ivy.		8.32
205	Sycamore	8	8	8	8	M	850	1	19	0.5	A2	40+			10.2
206	Holly	3	3	3	3	M	320/320/300	3	6	0.5	B2	20+			6.65
207	Leyland Cypress	2.5	2.5	2.5	2.5	SM	270	1	13	1.5	C2	10+		Removed from site	3.24
208														Removed from site	
209	Ash	7.5	7.5	7.5	7.5	M	820	1	18.5	2	B2	20+	Ivy on stem. Unable to inspect stem due to Ivy.	Pollard.	9.84
210	Sycamore	3	7	7	7	M	680	1	15.5	3	A2	40+	Part of linear group. Unbalanced crown shape.	Removed from site	8.16
211	Oak	8	7	4.5	7	M	680	1	15.5	3	A2	40+	Part of linear group. Unbalanced crown shape.	Removed from site	8.16
212	Hawthorn	2	5	2	0.5	M	345	1	9	3	B2	20+	Part of linear group. Unbalanced crown shape.		4.14
213	Oak	6	8	6	6	M	730	1	14.5	3	A1	40+	Part of linear group.		8.76
214	Sycamore	5.5	7	5.5	5.5	M	535	1	13.5	2	A2	40+			6.42
215	Common Oak	5.5	5.5	7	5.5	M	635	1	13.5	2	A2	40+		Removed from site	7.62
216	Sycamore	7	6.5	5	6.5	M	580	1	13.5	2	A2	40+		Removed from site	6.96
217	Hawthorn	4	4	4	4	M	340	1	9	2	B2	20+			4.08
218	Hawthorn	4	4	4	4	M	440	1	8	2	B2	20+			5.28
219	Hawthorn	4.5	4.5	4.5	4.5	M	400	1	8	2	B2	20+			4.8
220	Sycamore	7	7	7	7	M	790	1	14.5	2	A2	40+		Removed from site	9.48
221	Ash	8	8	8	8	M	745	1	14.5	2	A2	40+			8.94
222	Norway Maple	4.5	4.5	4.5	4.5	EM	440	1	10	2	B2	20+	Major bark wounding on stem.		5.28
223	Sycamore	7.5	3.5	7.5	7.5	M	650	1	13.5	2	A2	40+			7.8
224	Beech	7	7	7	7	M	745	1	13.5	2	A2	40+			8.94
225	Sycamore	7	7	7	7	M	650	1	13.5	2	A2	40+			7.8
226	Ash	5	7	7	7	M	670	1	13.5	2	A2	40+		Removed from site	8.04
227	Ash	3.5	3.5	3.5	1	SM	480	1	13.5	2	U	<10	Cavity on stem. Major bark wounding on stem.	Removed from site	5.76
228	Sycamore	3	4	4	4	SM	370	1	13.5	2	B2	20+			4.44
229	Sycamore	4	4	4	4	SM	310	1	13.5	2	B2	20+			3.72
230	Sycamore	4.5	3	4.5	4.5	SM	460	1	13.5	2	B2	20+		Removed from site	5.52
231	Sycamore	6.5	3.5	3.5	6.5	M	550	1	13.5	4	B2	20+		Removed from site	6.6
232	Ash	5	4	3.5	4	M	425	1	16	4	B2	20+			5.1
233	Ash	5	5	5	7	M	530	1	16	4	C1	<10	Inonotus hispidus present.	Crown reduce laterals throughout by 2-3m.	6.36
234	Ash	2	8.5	7	1	M	660	1	16	4	B2	20+	Broken branches in crown. Unbalanced crown shape. Crown distorted due to group pressure.	Removed from site	7.92
235	Sycamore	2	8.5	7	1	M	635	1	16	4	B2	20+	Unbalanced crown shape. Crown distorted due to group pressure.	Removed from site	7.62
236	Sycamore	7	7	7	7	M	650	1	16	4	A2	40+			7.8
237	Sycamore	4	7	8	7	M	605	1	16	4	A2	20+			7.26
238	Sycamore	7.5	7.5	7.5	7.5	M	670	1	14.5	0.5	A2	40+		Removed from site	8.04
239	Wild Cherry	2.5	2.5	4	2.5	M	200	1	5	0.5	U	<10	Dead. Split main stem.	Remove	2.4

Tag	Common Name	Crown N	Crown E	Crown S	Crown W	Age	Diameter	Stem	Height	Lower Crown Height	Category	Life Exp	Comments	Preliminary management Reccomendations	RPA-R
240	Wild Cherry	1	2.5	3.5	2.5	M	190	1	5	0.5	U	<10	Dead. Decay present on stem. Split main stem.	Remove	2.28
241	Ash	6.5	8.5	6.5	6.5	M	510	1	13.5	0.5	B1	20+			6.12
242	Ash	7.5	5	7.5	7.5	M	555	1	13.5	0.5	A2	20+	Part of linear group.		6.66
243	Sycamore	6	6	6	6	M	580	1	14	0.5	A2	20+	Part of linear group.		6.96
244	Sycamore	5	5	6	5	M	445	1	14	0.5	A2	20+	Part of linear group.		5.34
245	Sycamore	4	1	3.5	3.5	M	395	1	14	0.5	B2	20+	Part of linear group.		4.74
246	Sycamore	4	1	3.5	3.5	M	415	1	15	0.5	B2	20+	Part of linear group.		4.98
247	Sycamore	4	4.5	2	3.5	M	425	1	12.5	0.5	B2	20+	Part of linear group.		5.1
248	Sycamore	4.5	4.5	4.5	4.5	M	620	1	14	0.5	A2	20+	Part of linear group.		7.44
249	Sycamore	4.5	5.5	7	5	M	630	1	14	0.5	A2	40+	Part of linear group.		7.56
250	Sycamore	4.5	4.5	6	4.5	EM	390	1	12.5	3	B2	20+	Part of linear group.		4.68
251	Sycamore	4.5	4.5	4.5	4.5	EM	390	1	12.5	3	B2	20+	Part of linear group.		4.68
252	Ash	5	7	5	5	M	570	1	13.5	3	B2	20+	Part of linear group.		6.84
253	Ash	8	6.5	6.5	6.5	M	515	1	13.5	5	B2	20+	Part of linear group.		6.18
254	Hawthorn	5	6	5	5	M	410	1	13.5	3	A2	20+	Part of linear group.	Removed from site	4.92
255	Sycamore	4.5	4.5	4.5	4.5	EM	345	1	11	3	B2	20+	Part of linear group.		4.14
256	Ash	7.5	6	6	6	OM	550	1	15.5	3	C2	<10	Part of linear group. Cavity on stem.		6.6
257	Sycamore	5.5	5.5	5.5	5.5	M	430	1	15.5	3	B2	20+	Part of linear group.		5.16
258	Sycamore	5.5	5.5	5.5	5.5	M	430	1	15.5	3	B2	20+	Part of linear group.		5.16
259	Sycamore	5.5	5.5	5.5	5.5	M	490	1	15.5	3	B2	20+	Part of linear group.	Removed from site	5.88
260	Ash	8	5.5	3	5.5	M	495	1	15.5	3	C2	<10	Part of linear group. Fungal brackets visible on stem.		5.94
261	Sycamore	6	6	6	6	M	390	1	13	3	B2	20+	Part of linear group.		4.68
262	Sycamore	7	7	7	7	M	630	1	13	3	B2	20+	Part of linear group.		7.56
263	Sycamore	4.5	4.5	4.5	4.5	M	390	1	13	3	B2	20+	Part of linear group.		4.68
264	Sycamore	6	4.5	4.5	4.5	M	420	1	13	3	B2	20+	Part of linear group.	Removed from site	5.04
265	Sycamore	6.5	6	6	6	M	685	1	13	3	A2	40+	Part of linear group.		8.22
266	Sycamore	5.5	4.5	4.5	4.5	M	490	1	13	3	B2	20+	Part of linear group.		5.88
267	Sycamore	4.5	4.5	4.5	4.5	M	500	1	13	3	B2	20+	Part of linear group.	Removed from site	6
268	Ash	4.5	4.5	4.5	4.5	M	425	1	13	3	B2	20+	Part of linear group.		5.1
269	Silver Maple	4.5	4.5	4.5	4.5	EM	350	1	10	3	C2	20+	Part of linear group. Major bark wounding on stem. Included bark present in main fork.		4.2
270	Ash	4.5	4.5	4.5	4.5	EM	340	1	10	3	C2	20+	Part of linear group. Included bark present in main fork.		4.08
271	Sycamore	6.5	6.5	6.5	6.5	M	665	1	12.5	3	A2	10+	Part of linear group.		7.98
272	Sycamore	6.5	6.5	6.5	6.5	M	435	1	12.5	3	A2	40+	Part of linear group.	Removed from site	5.22
273	Sycamore	6.5	6.5	4	6.5	M	580	1	12.5	3	A2	40+	Part of linear group.	Removed from site	6.96
274	Sycamore	3	6.5	6.5	6.5	M	620	1	12.5	3	A2	10+	Part of linear group.	Removed from site	7.44
275	Norway Maple	4.5	4.5	4.5	4.5	EM	400	1	12.5	3	B2	40+	Part of linear group.		4.8
276	Sycamore	5.5	5.5	5.5	5.5	M	546	1	12.5	3	A2	40+	Part of linear group.		6.55
277	Sycamore	3	4.5	7	4.5	M	480	1	12.5	3	B2	40+	Part of linear group. Major deadwood in crown.		5.76
278	Sycamore	8	6.5	6	6	M	760	1	14.5	3	A2	40+	Part of linear group.		9.12
279	Sycamore	8	6.5	3.5	2	M	645	1	14.5	3	A2	40+	Part of linear group.		7.74
280	Sycamore	5	8.5	9	8	M	700	1	16	3	A2	40+	Part of linear group.		8.4
281	Sycamore	5	6	8	6	M	655	1	16	3	A2	40+	Part of linear group.		7.86
282	Sycamore	7.5	5	5	5	M	640	1	16	3	A2	40+	Part of linear group.		7.68
283	Beech	4	7.5	7.5	7.5	M	725	1	16	3	A2	40+	Part of linear group.		8.7
284	Sycamore	7	5	3	5	M	620	1	16	3	A2	40+	Part of linear group.	Removed from site	7.44
285	Sycamore	4.5	4.5	2	1.5	EM	385	1	16	3	B2	40+	Part of linear group.		4.62

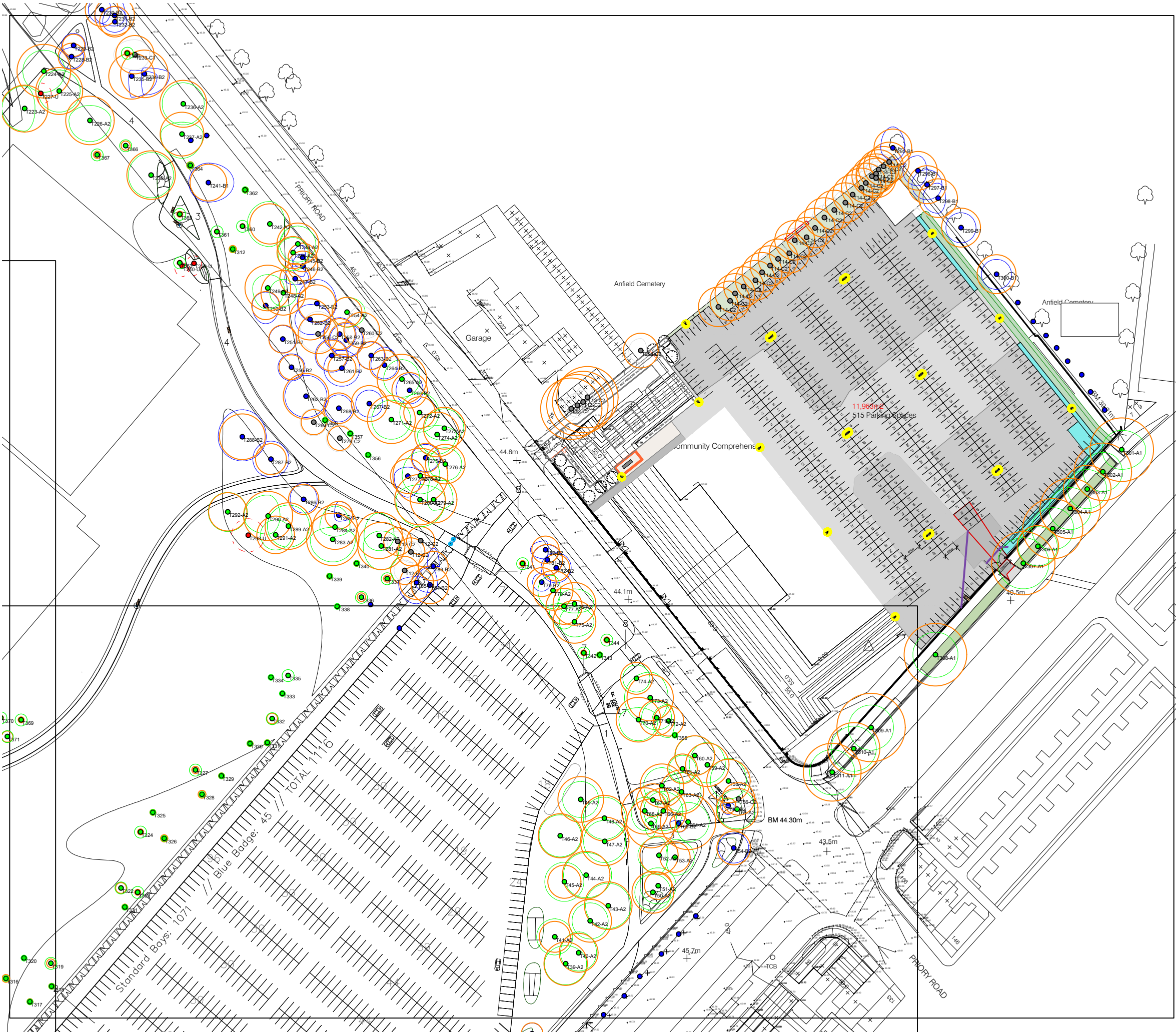
Tag	Common Name	Crown N	Crown E	Crown S	Crown W	Age	Diameter	Stem	Height	Lower Crown Height	Category	Life Exp	Comments	Preliminary management Reccomendations	RPA-R
286	Sycamore	5.5	4.5	4.5	4.5	EM	420	1	13.5	3	B2	20+	Part of linear group.		5.04
287	Sycamore	6	6	6	6	M	430	1	13.5	3	B2	20+	Part of linear group.		5.16
288	Sycamore	9	8	8	8	M	630	1	14.5	3	B2	20+	Part of linear group.		7.56
289	Oak	7	7	7	7	M	645	1	16	3	A2	40+	Part of linear group.		7.74
290	Sycamore	7	4	6	8	M	680	1	16	3	A2	40+	Part of linear group.		8.16
291	Sycamore	5	5.5	5	5	M	520	1	16	3	A2	40+	Part of linear group.		6.24
292	Sycamore	6.5	6.5	6.5	6.5	M	530	1	16	3	A2	40+	Part of linear group.		6.36
293	Ash	5.5	5.5	5.5	5.5	OM	550	1	12	3	U	<10	Part of linear group. Major bark wounding on stem. Possible to view through tree stem due to damage and decay present.	Remove	6.6
294	Sycamore	4	2	4	4	SM	480	1	12	3	C2	20+	Part of linear group.		5.76
295	Wild Service Tree	7	4	4	4	M	520	1	8	3	B1	20+			6.24
296	Wild Service Tree	5	3	5	5	M	535	1	8	3	B1	20+			6.42
297	Wild Service Tree	5	5	5	5	M	525	1	8	3	B1	20+	Fungal brackets visible at base of stem.		6.3
298	Wild Service Tree	5	2.5	5	5	M	535	1	8	3	B1	20+			6.42
299	Wild Service Tree	5	5	5	5	M	540	1	8	3	B1	20+			6.48
300	Wild Service Tree	5	5	5	5	M	540	1	8	3	B1	20+			6.48
301	London Plane	6.5	8	6.5	6.5	M	880	1	15.5	3	A1	40+	Stem located on ground approximately 1m below site level, retaining wall also acting as rooting barrier into site.		10.56
302	London Plane	6.5	6.5	6.5	6.5	M	795	1	15.5	3	A1	40+	Stem located on ground approximately 1m below site level, retaining wall also acting as rooting barrier into site.		9.54
303	London Plane	6.5	6.5	6.5	6.5	M	660	1	15.5	3	A1	40+	Stem located on ground approximately 1m below site level, retaining wall also acting as rooting barrier into site.		7.92
304	London Plane	7	7	7	7	M	835	1	15.5	3	A1	40+	Stem located on ground approximately 1m below site level, retaining wall also acting as rooting barrier into site.		10.02
305	London Plane	7	7	7	7	M	830	1	15.5	3	A1	40+	Stem located on ground approximately 1m below site level, retaining wall also acting as rooting barrier into site.		9.96
306	London Plane	6.5	6.5	6.5	6.5	M	575	1	15.5	3	A1	40+	Stem located on ground approximately 1m below site level, retaining wall also acting as rooting barrier into site.		6.9
307	London Plane	8.5	8.5	8.5	8.5	M	875	1	15.5	3	A1	40+	Stem located on ground approximately 1m below site level, retaining wall also acting as rooting barrier into site.		10.5

Tag	Common Name	Crown N	Crown E	Crown S	Crown W	Age	Diameter	Stem	Height	Lower Crown Height	Category	Life Exp	Comments	Preliminary management Reccomendations	RPA-R
308	London Plane	7.5	7.5	7.5	7.5	M	866	1	15.5	3	A1	40+	Stem located on ground approximately 1m below site level, retaining wall also acting as rooting barrier into site.		10.39
309	London Plane	7.5	7.5	7.5	7.5	M	945	1	15.5	3	A1	40+	Stem located on ground approximately 1m below site level, retaining wall also acting as rooting barrier into site.		11.34
310	London Plane	7.5	7.5	7.5	7.5	M	720	1	15.5	3	A1	40+	Stem located on ground approximately 1m below site level, retaining wall also acting as rooting barrier into site.		8.64
311	London Plane	7.5	7.5	7.5	7.5	M	800	1	15.5	3	A1	40+	Stem located on ground approximately 1m below site level, retaining wall also acting as rooting barrier into site.		9.6
312	English Elm	2	2	2	2	Y	120	1	5	2	A1	40+			1.4
313	Pinus sp	1	1	1	1	Y	70	1	4	2	A1	40+		Removed from site	840mm
314	Crategus sp	1	1	1	2	Y	80	1	5	2	A1	40+			960mm
315	Beech	2	2	2	2	Y	90	1	6	2	A1	40+			1
316	Holm Oak	1	1	1	1	Y	110	1	6	2	A1	40+			1.3
317	Crategus sp	1	1	1	1	Y	80	1	4	2	A1	40+			960mm
318	Beech	1	1	1	1	Y	90	1	6	2	A1	40+			1
319	Robinia sp	2	2	2	2	Y	120	1	6	2	A1	40+			1.4
320	Crategus sp	1	1	1	1	Y	50	1	4	2	U	<10	Damages bark around the circumference of the stem.	Fell to ground level	600mm
321	Beech	1	1	1	1	Y	90	1	5	2	A1	40+			1
322	Black Pine	2	2	2	2	Y	150	1	5	1	A1	40+			1.8
323	Quercus palustris	2	2	2	2	Y	80	1	5	2	A1	40+			960mm
324	Pinus sp	2	2	2	2	Y	90	1	5	2	A1	40+			1
325	Beech	1	1	1	1	Y	80	1	6	2	A1	40+			960mm
326	Ulmus glabra	1	1	1	1	Y	100	1	5	2	A1	40+			1.2
327	Black Locust	2	2	2	2	Y	100	1	5	2	A1	40+			1.2
328	Holm Oak	1	1	1	1	Y	110	1	5	2	A1	40+			1.3
329	Crategus sp	1	1	1	1	Y	80	1	5	2	A1	40+			960mm
330	Beech	1	1	1	1	Y	90	1	4	2	A1	40+			1
331	Quercus ilex	1	1	1	1	Y	80	1	5	2	A1	40+			960mm
332	Black Pine	2	2	2	2	Y	150	1	4	1	A1	40+			1.8
333	Beech	1	1	1	1	Y	60	1	4	2	A1	40+			720mm
334	Quercus palustris	1	1	1	1	Y	60	1	5	2	A1	40+			720mm
335	Beech	2	2	2	2	Y	60	1	5	2	A1	40+			720mm
336	Robinia sp	2	2	2	2	Y	120	1	6	1	A1	40+		Removed from site	1.4
337	Cedrus deodar	2	2	2	2	Y	100	1	4	2	A1	40+			1.2
338	English Elm	2	2	2	2	Y	100	1	5	2	A1	40+			1.2
339	Sweet Chestnut	1	1	1	1	Y	80	1	4	2	A1	40+			960mm
340	Beech	1	1	1	1	Y	80	1	4	2	A1	40+			960mm
341	Turkey Oak	2	2	2	2	Y	80	1	5	2	A1	40+			960mm
342	English Elm	2	2	2	2	Y	90	1	6	2	A1	40+			1
343	Holm Oak	1	1	1	1	Y	90	1	4	1	A1	40+			1
344	Ulmus glabra	2	2	2	2	Y	90	1	5	1	A1	40+			1
355	Beech	1	1	1	1	Y	70	1	5	2	A1	40+			840mm

Tag	Common Name	Crown N	Crown E	Crown S	Crown W	Age	Diameter	Stem	Height	Lower Crown Height	Category	Life Exp	Comments	Preliminary management Reccomendations	RPA-R
356	Quercus palustris	1	1	1	1	Y	70	1	5	2	A1	40+			840mm
357	Quercus palustris	1	1	1	1	Y	70	1	5	2	A1	40+			840mm
358	Beech	1	1	1	1	Y	70	1	4	2	A1	40+			840mm
359	English Elm	1	1	1	1	Y	100	1	5	2	A1	40+			1.2
360	Quercus palustris	2	2	2	2	Y	70	1	5	2	A1	40+			840mm
361	Quercus palustris	2	2	2	2	Y	70	1	5	2	A1	40+			840mm
362	Quercus palustris	1	1	1	1	Y	90	1	4	2	A1	40+			1
363	Quercus palustris	2	2	2	2	Y	70	1	5	2	A1	40+			840mm
364	Beech	1	1	1	1	Y	100	1	4	2	A1	40+			1.2
365	Black Locust	2	2	2	2	Y	80	1	5	2	A1	40+			960mm
366	Cedrus deodar	2	2	2	2	Y	130	1	6	1	A1	40+			1.5
367	Beech	2	2	2	2	Y	100	1	4	2	A1	40+			1.2
368	Sessile Oak	2	2	2	2	Y	80	1	5	2	A1	40+			960mm
369	Black Locust	2	2	2	2	Y	80	1	4	2	A1	40+			960mm
370	Crategus sp	2	2	2	2	Y	70	1	4	2	A1	40+			840mm
371	Scots Pine	2	2	2	2	Y	170	1	5	2	A1	40+			2
372	Beech	2	2	2	2	Y	70	1	5	2	A1	40+			840mm
373	Scots Pine	2	2	2	2	Y	120	1	5	2	A1	40+			1.4
374	Black Locust	2	2	2	2	Y	80	1	5	2	A1	40+			960mm
375	Scots Pine	2	2	2	2	Y	130	1	4	2	A1	40+			1.5
376	English Elm	2	2	2	2	Y	110	1	5	2	U	<10	Major bark damage	Fell to ground level	1.4
377	Black Locust	2	2	2	2	Y	90	1	5	2	U	<11	Major bark damage	Fell to ground level	1
378	Holm Oak	1	1	1	1	Y	100	1	5	2	A1	40+			1.2
379	Unknown	1	1	1	1	Y	70	1	5	2	A1	40+			840mm
380	English Elm	1	1	1	1	Y	90	1	6	2	A1	40+			1
381	Quercus palustris	2	2	2	2	Y	100	1	5	2	A1	40+			1.2
382	Crategus sp	2	2	2	2	Y	90	1	5	2	A1	40+			1
383	Crategus sp	1	1	1	1	Y	80	1	4	2	U	40+	bark die back upper crown	Fell to ground level	960mm
384	Turkey Oak	2	2	2	2	Y	80	1	6	2	A1	40+			960mm
385	Tsuga heterophylla	2	2	2	2	Y	60	1	5	2	A1	40+			720mm
386	Crategus sp	2	2	2	2	Y	80	1	4	2	A1	40+			960mm
387	Beech	2	2	2	2	Y	100	1	5	2	A1	40+			1
388	Black Locust	2	2	2	2	Y	100	1	6	2	A1	40+			1
389	English Elm	2	2	2	2	Y	120	1	6	2	A1	40+			1
390	Crategus sp	2	2	2	2	Y	80	1	5	2	A1	40+			960mm
391	Unknown beech	1	1	1	1	Y	70	1	6	2	A1	40+			840mm
392	Unknown	2	2	2	2	Y	80	1	5	2	A1	40+			960mm
393	Sweet Chestnut	2	2	2	2	Y	80	1	5	2	U	<10	Major bark damage	Fell to ground level	960mm
394	Unknown	2	2	2	2	Y	80	1	5	2	A1	40+			960mm
395	Black Locust	2	2	2	2	Y	90	1	5	2	A1	40+			1
396	Beech	2	2	2	2	Y	90	1	5	2	A1	40+			1
397	English Elm	2	2	2	2	Y	80	1	5	2	A1	40+			960
399	Turkey Oak	1	1	1	1	Y	70	1	4	2	U	<10	Major bark damage	Fell to ground level	840mm
400	Crategus sp	2	2	2	2	Y	70	1	5	2	A1	40+			840mm
401	English Elm	2	2	2	2	Y	100	1	6	2	U	<10	Major bark damage	Fell to ground level	1

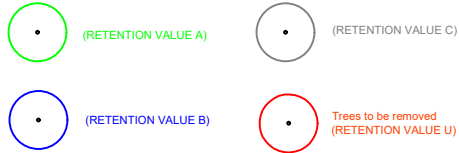
Tag	Common Name	Crown				Age	Diameter	Stem	Height	Lower Crown		Category	Life Exp	Comments	Preliminary management	
		N	E	S	W					Height	Height				Reccomendations	RPA-R
402	Holm Oak	1	1	1	1	Y	90	1	5	2	A1	40+				1
403	Ulmus glabra	2	2	2	2	Y	90	1	4	2	U	<10	Major bark damage	Fell to ground level		1
404	English Elm	2	2	2	2	Y	100	1	5	2	U	<10	Major bark damage	Fell to ground level		1.2
405	Crategus sp	2	2	2	2	Y	90	1	4	2	A1	40+				1
406	Castena sativa	1	1	1	1	Y	60	1	4	2	A1	40+				720mm
407	Crategus sp	2	2	2	2	Y	60	1	4	2	A1	40+				720mm
408	Acer pseudoplatanus	2	2	2	2	Y	200	1	10	2	C2	40+	Regeneration of low value			2.4
409	Acer pseudoplatanus	3	3	3	3	M	390	1	10	2	C2	40+	Regeneration of low value			4.7
410	Fraxinus excelsior	6	6	6	6	M	925	1	18	4	A2	40+	Notable individual			11.1
411	Acer pseudoplatanus	3	3	3	3	EM	100,150,180,230	4	10	2	C2	40+	Regeneration of low value with included bark			3.2
412	X Cupressus leylandii	1	1	1	1	EM	230	1	10	1	C2	40+	Low arboriculutral value			2.7
413	X Cupressus leylandii	2	2	2	2	M	390	1	14	1	C2	40+	Low arboriculutral value			4.6
414	Acer pseudoplatanus	2	2	2	2	EM	260	1	10	2	C2	40+	Regeneration of low value with stem damage			3.2
415	Acer pseudoplatanus	2	2	2	2	EM	230	1	10	2	C2	40+	Regeneration of low value with stem damage			2.7
416	Acer pseudoplatanus	2	2	2	2	EM	240	1	10	2	C2	40+	Regeneration of low value with stem damage			2.8
417	Sycamore	3.5	3.5	3.5	3.5	EM	380	1	9	4	B2	20+		418		4.5
418	Crategus sp	3	3	3	3	OM	300	1	7	2	U	<10	Dead			3.6
419	Acer pseudoplatanus	2	2	2	2	Y	200	1	10	2	C2	40+	Regeneration of low value			2.4
420	Ilex aquafolium	2	2	2	2	Y	150	1	10	2	C2	40+	Regeneration of low value			1.8
G1	Sycamore Hawthorn Cotoneaster Rowan London Plane	4	4	4	4	M	375	1	12	2	B2	20+	Planted linear strip, stem damage commonplace. No topo data throughout.			4.5
G2	Hornbeam	1.5	1.5	1.5	1.5	EM	150	1	6	3	B2	20+	Part of linear group.			1.8
G3	Wild Cherry	3	3	3	3	EM	280	1	6	3	C2	10+	Poor shape & form. Low vitality. Declining.			3.36
G4	Sycamore	5.5	5.5	5.5	5.5	M	650	2	13	3	C2	20+	Part of linear group. Major bark wounding on stem. Unbalanced crown shape. Crown distorted due to group pressure.			11.03
G5	Pear	2	2	2	2	EM	220	1	7	2	C2	<10	Exudation on stem.			2.64
G6	Sycamore	2.5	2.5	2.5	2.5	Y	220	1	13	2	C2	20+	Part of linear group.			2.64
G7	Holly	2	2	2	2	Y	220	2	5	2	C2	10+	Part of linear group.			3.73
G8	Sycamore	2	2	2	2	Y	240	2	7	0.5	C2	10+				4.07
G9	Holly	5.5	5.5	5.5	5.5	M	510	2	11	1.5	B2	20+				8.65
G10	Sycamore Leyland Cypress Damson	2.5	2.5	2.5	2.5	Y	320	2	5.5	1.5	C2	10+				5.44
G11	English Elm	4.5	4.5	4.5	4.5	SM	470	1	11	0.5	B2	20+				5.64
G12	Horse Chestnut	3.5	3.5	3.5	3.5	EM	390	1	10	3	C2	<10	Part of linear group. Exudation on stem.			4.68

Tag	Common Name	Crown				Age	Diameter	Stem	Height	Lower Crown Height	Category	Life Exp	Comments	Preliminary management Reccomendations	RPA-R
N	E	S	W												
G13	Sycamore	4	2	4	4	SM	600	2	12	3	C2	20+	Part of linear group.		10.19
G14	Hybrid Black Poplar	4	4	4	4	SM	550	1	10.5	3	C2	10+	Part of linear group. Linear growing immediately adjacent to boundary in site, poor overall condition. Previously pruned and tissue death present - unsuitable for retaining.		6.6
G15	Wild Service Tree	5	5	5	5	M	480	1	8	3	B1	20+	Off site		5.76
G 16	Liquidambar styraciflua	2	2	2	2	Y	90	1	5	2	B2	20+			1.8
G 17	Acer pseudoplatanus	2	2	2	2	EM	240	1	10	2	C2	40+	Regeneration of low value with stem damage		2.8



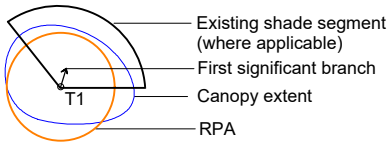
TREE CONSTRAINTS PLAN

Retention value key



Root Protection Areas (RPA)

Root Protection Areas (RPA's) have been identified and are based on BS5837:2012. RPA's have been shown as a red polyline.



Client:

LFC

Project:

Stanley Park

Detail:

TREE CONSTRAINTS PLAN - Overview

Drawn By:

SB

Date:

14.02.20

Scale:

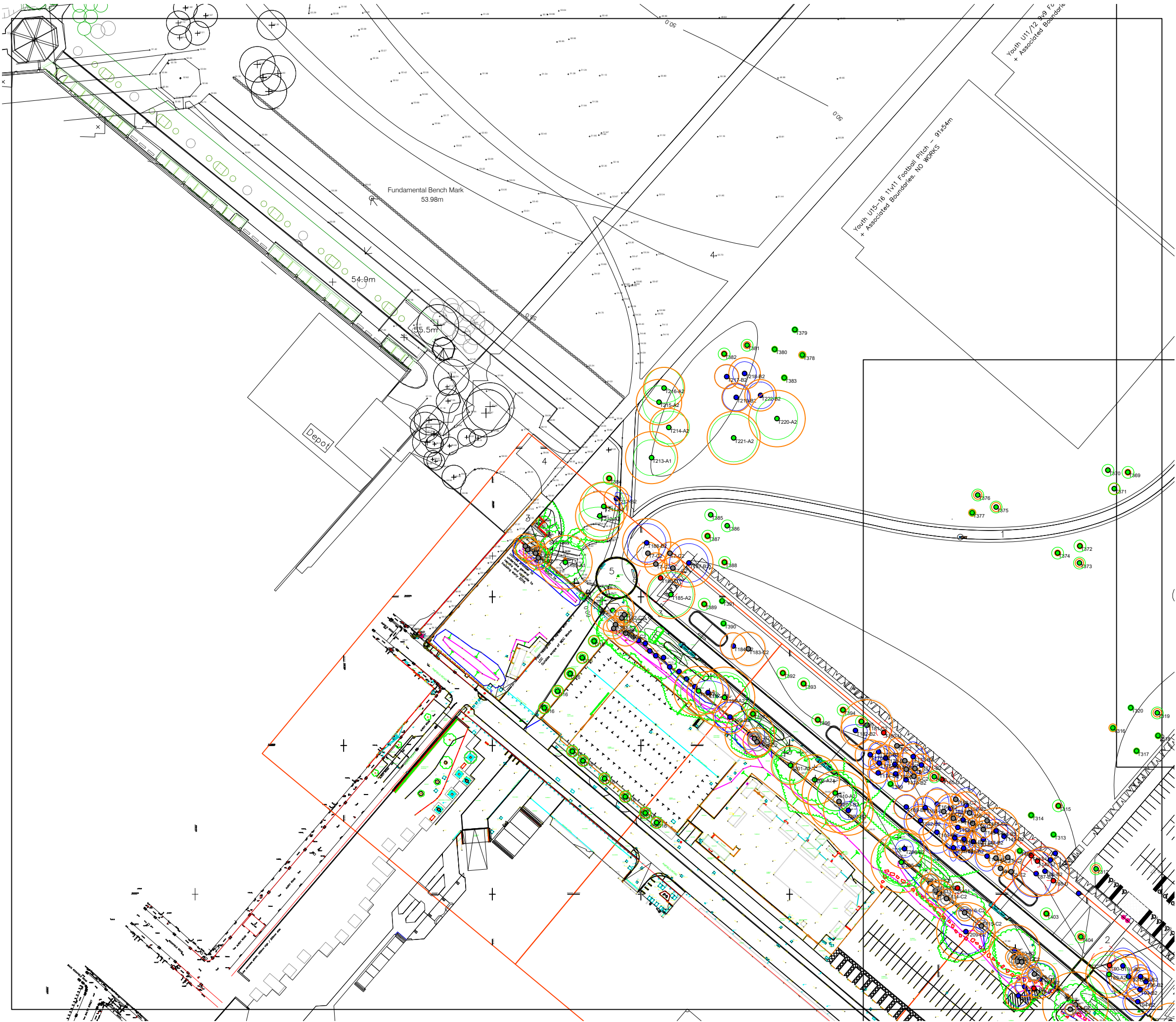
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Drg No:

TR-01

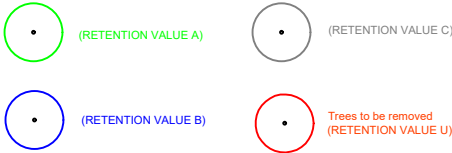
Revision:

V3



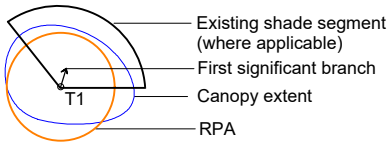
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TREE CONSTRAINTS PLAN - Overview

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1:1250@A3

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