



## ARBORICULTURAL SURVEY AND CONSTRAINTS

SITE:	STATION APPROACH, WINCHESTER, HANTS
SURVEY DATE:	21 JANUARY 2019
REPORT DATE:	30 JANUARY 2019
OUR REFERENCE:	22612681/8/2019
ON BEHALF OF:	WINCHESTER CITY COUNCIL
AUTHOR:	Mark Harrison, MarborA NDarb



**CONTENTS**

1. INTRODUCTION .....3

2. TERMS OF REFERENCE .....3

3. PROTECTION STATUS .....4

4. SITE .....4

5. TREE CATEGORISATION .....4

6. DECLARATION .....5

APPENDIX A – TREE SCHEDULE .....7

APPENDIX B – GENERIC INFORMATION.....26

    TREE SURVEY .....26

        SCOPE AND LIMITATIONS OF SURVEY ..... 26

        SURVEY METHOD..... 27

DIGITALLY APPENDED PLAN



## 1. INTRODUCTION

- 1.1. Harrison Arboriculture Ltd. was commissioned to provide an updated arboricultural survey and report for trees at Station Approach, Winchester, Hants by Winchester City Council on 10 January 2019.
- 1.2. The trees are situated on two sites at Gladstone Street and Worthy Lane which lie within the administrative area of Winchester City Council.

## 2. TERMS OF REFERENCE

- 2.1. To provide an updated assessment of a similar survey undertaken in 2015 of the trees on and around the sites regarding their suitability for retention within the context of development.
- 2.2. It is designed to aid the design of any development and adheres to the recommendations provided in British Standard 5837:2012 'Trees in relation to design, demolition and Construction - Recommendations' (BS 5837)
- 2.3. A further implication assessment and protection plan will be needed to ensure the continued well being of retained trees on and around the site once the design layout has been formulated.
- 2.4. The report includes:

### **An Arboricultural Survey**

Tree positions are plotted and the scaled dimensions are based on the OS plan provided by Winchester City Council in order to undertake the previous survey. It provides:

- Identification details and assessment of the current condition of trees within and close to the site.
- Recommendations for remedial works necessary and available to maintain their health and/or safety within the context of the development (for trees within the ownership of the applicants).
- Categorisation as per BS 5837 : 2012.



## **A Constraints Plan**

Based on the tree survey the Impact assessment provides:

- Theoretical Root Protection Areas (RPA's) denoted as nominal circular areas centred on the trunk for all trees listed in the tree schedule.
- The RPA's for trees categorised C will be included in the tree schedule but will only be relevant where they are not under the ownership or management of the applicant or where they are to be retained within the development.

### **3. PROTECTION STATUS**

- 3.1. Trees may be subject to constraints such as Tree Preservation Orders and Conservation Areas, Harrison Arboriculture was not instructed to investigate whether trees on or adjacent to the site are protected. It is suggested that written confirmation from Winchester City Council is sought formally establishing the legal status of these trees prior to any works being undertaken outside the remit of an approved planning application.

### **4. SITE**

- 4.1. The site consists of two pay and display car parks at Gladstone Street and Worthy Lane, Winchester, Hants. They were surveyed on 21 January 2019.

### **5. TREE CATEGORISATION**

- 6.1. The method of categorisation as provided by BS5837 can be found at Appendix A. The following is a summary of the trees present on the site and their grade.

**Category U** - Trees in such a condition that any value would be lost within 10 years, or should be removed for reasons of sound arboricultural management.



**Category A** - Trees of high quality and value: in such a condition as to make a substantial contribution, (40 years or more is recommended).

**Category B** - Trees of moderate quality and value, capable of making a significant contribution for in excess of 20 years.

**Category C** - Trees of low quality and value which might remain for a minimum of 10 years or young trees with stems of less than 150mm diameter.

Table 1 - Tree Category Summary

Category	Quantity	Reference numbers
A1	0	
A2	0	
A3	0	
<b>Total</b>	<b>0</b>	
B1	11	62, 63, 76, 87- 93, 97
B2	5	41, 42, 44, 45, 61
B3	0	
<b>Total</b>	<b>16</b>	
C1/B2	31	1, 3, 5 - 8, 50 - 56, 64 - 72, 74, 84, 86, 94, 95, 98, 99, 100, 101
C1	48	2, 4, 9 - 27, 29 - 38, 40, 43, 57 - 60, 73, 77 - 83, 85, 96, 102
C2	0	
C3	0	
<b>Total</b>	<b>79</b>	
U	3	28, 39, 75
<b>Total</b>	<b>3</b>	
T	93	
G	5	
H	0	
W	0	
<b>Total</b>	<b>98</b>	

## 6. DECLARATION

- 6.1. The statements in this report are based on information provided by the client. It does not take into account, the effects of extremes of climate, vandalism or accident. Harrison Arboriculture cannot accept liability in connection with these factors, nor where prescribed work is not carried out in a correct and professional manner in accordance with current good practice.



- 6.2. The authority of this Report is affective for twelve months from the date of the survey or when any site conditions change, or pruning or other works unspecified in the Report are carried out to, or affecting, the subject tree(s), whichever is the sooner. It is recommended that a new survey be carried out after twelve months or following any severe weather event or change in the site.



## APPENDIX A – TREE SCHEDULE

Site: Station Approach, Winchester, Hants

Date: 21 January 2019

Type	Tree no	Species	Height/m	Diameter/mm	Condition		Life Exp	Canopy Height/m				First Significant Branch Hgt/m	Canopy Spread/m				Comments	Recommendations	Category	Root protection	
					Physiological	Structural		N	E	S	W		N	E	S	W				Radius/m	Area/sqm
G	1	Acer pseudoplatanus (Sycamore)	16	410	Fair	Fair	20+									Ivy on tree. Suckers around stem base. Stem divides below 1.5m. Major deadwood in crown. Minor deadwood.	None required at time of inspection.	C1/B2			
	1.1	Acer pseudoplatanus (Sycamore)	18	230, 390	Fair	Fair	20+	2.5		7	4	2(NW)	5	1	4.5	5.5	-		C1	5.44	92.98
	1.2	Acer pseudoplatanus (Sycamore)	16	300, 300	Fair	Fair	20+	6		6		5(W)	6	1	6.5	2	Diameter estimated.		C1	5.09	81.4
	1.3	Acer pseudoplatanus (Sycamore)	14	250	Fair	Fair	20+	6		6		4(N)	2.5	1	3	2	-	-	C1	3	28.28
	1.4	Acer pseudoplatanus (Sycamore)	17	300, 360, 290, 250	Fair	Fair	20+	6		7		3(N)	6.5	3	7.5	2.5	-	-	C1	7.26	165.6
	1.5	Acer pseudoplatanus (Sycamore)	16	410	Fair	Fair	20+	6	7	7	10	4(SE)	3	5	7.5	2.5	-	-	C1/B2	4.92	76.06



Type	Tree no	Species	Height/m	Diameter/mm	Condition		Life Exp	Canopy Height/m				First Significant Branch Hgt/m	Canopy Spread/m				Comments	Recommendations	Category	Root protection	
					Physiological	Structural		N	E	S	W		N	E	S	W				Radius/m	Area/sqm
T	2	Acer pseudoplatanus (Sycamore)	15	200, 200, 220, 150, 150	Fair	Fair	20+	8	3	5	5	2(E)	4	4.5	4.5	3	Diameter estimated. Ivy on tree. Unable to inspect stem due to Ivy. Unable to inspect stem due to undergrowth. Multiple stems below 1.5m.	None required at time of inspection.	C1	4.99	78.24
T	3	Populus spp. (Poplar)	18	470	Fair	Fair	20+	10	10	8	12	3(SW)	6.5	6	7	6	Minor deadwood.	None required at time of inspection.	C1/B2	5.64	99.95
T	4	Populus spp. (Poplar)	14	250	Poor	Fair	20+	10	12	10	8	5(W)	4.5	2	2	3	Suppressed.	None required at time of inspection.	C1	3	28.28
G	5	Acer pseudoplatanus (Sycamore)	17.5	350	Fair	Fair	20+				12	1.5(W)	5	6	1	4	Ivy on trees. Suckers around stem bases. (Situating on raised area. Some stems growing through chain-link fence)	Remove basal growth. Sever Ivy.	C1/B2	4.2	55.42
	5.1	Acer pseudoplatanus (Sycamore)	17	480	Fair	Fair	20+	6			7	1.5(W)	5	1	2	5.5	-	-	C1/B2	5.76	104.2
	5.2	Acer pseudoplatanus (Sycamore)	17.5	420, 270	Fair	Fair	20+				12	1.5(W)	2	2	3	6	-	-	C1/B2	5.99	112.7
	5.3	Acer pseudoplatanus (Sycamore)	17.5	500, 510	Fair	Fair	20+				12	1.5(W)	1	4.5	3.5	6.5	-	-	C1/B2	8.57	230.8
	5.4	Acer pseudoplatanus (Sycamore)	17.5	350	Fair	Fair	20+				12	1.5(W)	5	6	1	4	-	-	C1/B2	4.2	55.42
	5.5	Acer pseudoplatanus (Sycamore)	17.5	310	Fair	Fair	20+				12	1.5(W)	1	4	1	1	-	-	C1/B2	3.72	43.48





Type	Tree no	Species	Height/m	Diameter/mm	Condition		Life Exp	Canopy Height/m				First Significant Branch Hgt/m	Canopy Spread/m				Comments	Recommendations	Category	Root protection	
					Physiological	Structural		N	E	S	W		N	E	S	W				Radius/m	Area/sqm
T	6	Aesculus hippocastanum (Horse Chestnut)	17	400, 600	Fair	Fair	20+	3	6	8	7	2(SE)	3	6	3.5	6	Diameter estimated. Ivy on tree. Unable to inspect stem due to Ivy. Suckers around stem base. Stem divides at ground level.	Sever Ivy.	C1/B2	8.65	235.1
T	7	Acer pseudoplatanus (Sycamore)	17	550, 450, 350, 350, 300	Fair	Fair	20+	15	12	4	12		4	6	7	7	Diameter estimated. Ivy on tree. Unable to inspect stem due to undergrowth. Suckers around stem base.	Remove basal growth. Sever Ivy.	C1/B2	11	380.2
T	8	Acer campestre (Field Maple)	14	320	Fair	Fair	20+	3	6	4	5	1(S)	2.5	2	4.5	4	Epicormics on stem. Included bark present in fork. Suckers around stem base. Stem divides below 1.5m.	None required at time of inspection.	C1/B2	3.84	46.33
T	9	Acer platanoides (Norway Maple)	13	220	Poor	Fair	10+	4.5	4			3.5(E)	4.5	5	2	1	Major bark wounding on stem.	None required at time of inspection.	C1	2.64	21.9
T	10	Acer platanoides (Norway Maple)	15	370	Poor	Fair	10+		7	6	12	3.5(S)	3	5.5	5	3	Soil compaction within canopy spread. Cavity. Major deadwood in crown. Minor deadwood.	Remove all deadwood.	C1	4.44	61.94
T	11	Acer platanoides (Norway Maple)	15	190	Poor	Fair	10+		6	6	8	4(NE)	1.5	2.5	2	4	Soil compaction within canopy spread. Major deadwood in crown. Minor deadwood.	Remove all deadwood.	C1	2.28	16.33



Type	Tree no	Species	Height/m	Diameter/mm	Condition		Life Exp	Canopy Height/m				First Significant Branch Hgt/m	Canopy Spread/m				Comments	Recommendations	Category	Root protection	
					Physiological	Structural		N	E	S	W		N	E	S	W				Radius/m	Area/sqm
T	12	Acer platanoides (Norway Maple)	15	330	Poor	Fair	10+		6	6	8	4(NE)	3	6	4	6.5	Soil compaction within canopy spread. Low bud/leaf density. Minor deadwood. Crossing/rubbing branches.	None required at time of inspection.	C1	3.96	49.27
T	13	Acer platanoides (Norway Maple)	15	260	Fair	Fair	10+	6	6	6	6	3(SE)	3	5	5	5	Soil compaction within canopy spread. Minor deadwood. Hanging broken branch(es).	Remove all deadwood.	C1	3.12	30.59
T	14	Acer platanoides (Norway Maple)	15	270	Fair	Fair	10+	6	6	6	6	3(SE)	3.5	4	3	4	Soil compaction within canopy spread. Minor deadwood.	Remove all deadwood.	C1	3.24	32.98
T	15	Acer platanoides (Norway Maple)	15	350	Fair	Fair	10+	6	6	6	6	3(SE)	4	4.5	5.5	4	Low vitality. Declining. Soil compaction within canopy spread. Bark wounds on surface roots. Low bud/leaf density. Minor deadwood.	Remove all deadwood.	C1	4.2	55.42
T	16	Acer pseudoplatanus (Sycamore)	15	280	Fair	Fair	10+	5	7	4	6	1.5(W)	4.5	3	2	6	Epicormics on stem. Minor deadwood.	None required at time of inspection.	C1	3.36	35.47
T	17	Acer pseudoplatanus (Sycamore)	15	170	Fair	Fair	10+		5	4	5	2.5(E)	1	2	3	3	Epicormics on stem. Minor deadwood.	None required at time of inspection.	C1	2.04	13.08



Type	Tree no	Species	Height/m	Diameter/mm	Condition		Life Exp	Canopy Height/m				First Significant Branch Hgt/m	Canopy Spread/m				Comments	Recommendations	Category	Root protection	
					Physiological	Structural		N	E	S	W		N	E	S	W				Radius/m	Area/sqm
T	18	Acer platanoides (Norway Maple)	15	280	Poor	Fair	10+	6	6	6	6	3(SE)	3.5	4	3	4	Low vitality. Declining. Soil compaction within canopy spread. Low bud/leaf density. Minor deadwood.	Remove all deadwood.	C1	3.36	35.47
T	19	Acer platanoides (Norway Maple)	13	230	Fair	Fair	10+	6	6	6	6	3(SE)	3.5	4	3	4	Soil compaction within canopy spread. Minor deadwood.	Remove all deadwood.	C1	2.76	23.93
T	20	Acer platanoides (Norway Maple)	14	240	Fair	Fair	10+	6	4	7	6	2(SW)	4	4	3.5	3.5	Low vitality. Declining. Soil compaction within canopy spread. Major deadwood in crown. Minor deadwood.	Remove all deadwood.	C1	2.88	26.06
T	21	Acer platanoides (Norway Maple)	14.5	230	Fair	Fair	10+	6	4		8	4(W)	4	5	3.5	3.5	Low vitality. Declining. Soil compaction within canopy spread. Bark wounds on surface roots. Major deadwood in crown. Minor deadwood.	Remove all deadwood.	C1	2.76	23.93
T	22	Acer platanoides (Norway Maple)	14	240	Fair	Fair	10+	6	5	6	6	2(SE)	3.5	5	4	4	Low vitality. Soil compaction within canopy spread. Bark wounds on surface roots. Major deadwood in crown. Minor deadwood.	Remove all deadwood.	C1	2.88	26.06



Type	Tree no	Species	Height/m	Diameter/mm	Condition		Life Exp	Canopy Height/m				First Significant Branch Hgt/m	Canopy Spread/m				Comments	Recommendations	Category	Root protection	
					Physiological	Structural		N	E	S	W		N	E	S	W				Radius/m	Area/sqm
T	23	Acer platanoides (Norway Maple)	15	210	Fair	Fair	10+	6	5		6	2(W)	4	4.5	4	4	Low vitality. Soil compaction within canopy spread. Bark wounds on surface roots. Major bark wounding on stem. Minor deadwood.	Remove all deadwood.	C1	2.52	19.95
T	24	Acer platanoides (Norway Maple)	15	320	Fair	Fair	10+	6	5		6	2(W)	5	4.5	4	4	Soil compaction within canopy spread. Bark wounds on surface roots. Minor deadwood.	Remove all deadwood.	C1	3.84	46.33
T	25	Acer platanoides (Norway Maple)	15	320	Fair	Fair	10+	4	4	5	5	1.5(E)	5	5	4	3	Soil compaction within canopy spread. Bark wounds on surface roots. Minor deadwood.	Remove all deadwood.	C1	3.84	46.33
T	26	Acer platanoides (Norway Maple)	15	230	Fair	Fair	10+	5	5	7	6	1.5(N)	2	4	2	3	Low vitality. Soil compaction within canopy spread. Bark wounds on surface roots. Major bark wounding on stem. Minor deadwood.	None required at time of inspection.	C1	2.76	23.93
T	27	Acer platanoides (Norway Maple)	14	260	Fair	Fair	10+	4.5	5	6	6	2(E)	4	5	4	5	Low vitality. Soil compaction within canopy spread. Bark wounds on surface roots. Major deadwood in crown. Minor deadwood.	Remove all deadwood.	C1	3.12	30.59



Type	Tree no	Species	Height/m	Diameter/mm	Condition		Life Exp	Canopy Height/m				First Significant Branch Hgt/m	Canopy Spread/m				Comments	Recommendations	Category	Root protection	
					Physiological	Structural		N	E	S	W		N	E	S	W				Radius/m	Area/sqm
T	28	Acer platanoides (Norway Maple)	14	260	Very Poor	Fair	10+	4.5	5	6	6	3(S)	3.5	4.5	5	3.5	Low vitality. Declining. Soil compaction within canopy spread. Bark wounds on surface roots. Low bud/leaf density. Major deadwood in crown. Minor deadwood.	Remove all deadwood.	U	3.12	30.59
T	29	Acer platanoides (Norway Maple)	14	170	Poor	Fair	10+	5	5	5	5	2(SW)	3	3	3	3	Low vitality. Declining. Soil compaction within canopy spread. Low bud/leaf density. Minor deadwood.	Remove all deadwood.	C1	2.04	13.08
T	30	Acer platanoides (Norway Maple)	13.5	270	Fair	Fair	10+	5	5	5	6	2(N)	4	5	4	4	Soil compaction within canopy spread. Minor deadwood.	Remove all deadwood.	C1	3.24	32.98
T	31	Acer platanoides (Norway Maple)	12	240	Fair	Fair	10+	5	5	5	6	3(NE)	4	5	4	4	Major bark wounding on stem. Minor deadwood.	None required at time of inspection.	C1	2.88	26.06
T	32	Acer platanoides (Norway Maple)	7	200	Fair	Fair	10+	4	4	4	4	3(NW)	2.5	3	3.5	4	Minor deadwood.	None required at time of inspection.	C1	2.4	18.1
T	33	Acer platanoides (Norway Maple)	9	190	Fair	Fair	10+	4.5	4.5	4.5	4.5	3(W)	4	3	4	3.5	Soil compaction within canopy spread.	None required at time of inspection.	C1	2.28	16.33
T	34	Acer platanoides (Norway Maple)	7	190	Poor	Fair	10+	5	5	5	5	3(E)	4	3.5	3	3	Low vitality. Soil compaction within canopy spread. Minor deadwood.	None required at time of inspection.	C1	2.28	16.33



Type	Tree no	Species	Height/m	Diameter/mm	Condition		Life Exp	Canopy Height/m				First Significant Branch Hgt/m	Canopy Spread/m				Comments	Recommendations	Category	Root protection	
					Physiological	Structural		N	E	S	W		N	E	S	W				Radius/m	Area/sqm
T	35	Acer platanoides (Norway Maple)	6	150	Poor	Fair	10+	4	4	4	4	3(E)	4	3.5	3	3	Low vitality. Soil compaction within canopy spread. Minor deadwood.(lost leader)	None required at time of inspection.	C1	1.8	10.18
T	36	Acer platanoides (Norway Maple)	10	200	Fair	Fair	10+	5	5	5	5	3.5(S)	4	3.5	4.5	4	Soil compaction within canopy spread. Bark wounds on surface roots. Major bark wounding on stem. Minor deadwood.	None required at time of inspection.	C1	2.4	18.1
T	37	Acer platanoides (Norway Maple)	10	250	Fair	Fair	10+	5	5	5	5	3.5(S)	4.5	4.5	4	3	Soil compaction within canopy spread. Bark wounds on surface roots. Minor deadwood.	None required at time of inspection.	C1	3	28.28
T	38	Acer platanoides (Norway Maple)	10	320	Poor	Fair	10+	3	4	4	3	2(NE)	4.5	5	5	4.5	Major deadwood in crown. Minor deadwood.(central leader dead)	Remove all deadwood.	C1	3.84	46.33
T	39	Acer platanoides (Norway Maple)	10	180	Very Poor	Fair	<10	3	3	3	3	1.5(E)	2	2	2	2	Low vitality. Declining. Dieback in crown. Major deadwood in crown. Minor deadwood.	Remove tree and retain root.	U	2.16	14.66
T	40	Acer platanoides (Norway Maple)	12	270	Fair	Fair	20+	4.5	4	3	5	2(NE)	3	6	4.5	4.5	Poor shape & form. Minor deadwood.(central leader dead)	Remove all deadwood.	C1	3.24	32.98
T	41	Acer platanoides (Norway Maple)	14	260	Fair	Fair	20+	4.5	4.5	6	6	3(SE)	4	6	4	4.5	Minor deadwood.(central leader dead)	Remove all deadwood.	B2	3.12	30.59



Type	Tree no	Species	Height/m	Diameter/mm	Condition		Life Exp	Canopy Height/m				First Significant Branch Hgt/m	Canopy Spread/m				Comments	Recommendations	Category	Root protection	
					Physiological	Structural		N	E	S	W		N	E	S	W				Radius/m	Area/sqm
T	42	Acer platanoides (Norway Maple)	12	230	Fair	Fair	20+	4	4	2	3	2(S)	4	4.5	4	4	Minor deadwood.(central leader dead)	Remove all deadwood.	B2	2.76	23.93
T	43	Acer platanoides (Norway Maple)	10	240	Poor	Fair	10+	4	4	4	4	2(E)	3	3	3	5	Poor shape & form. Major deadwood in crown. Minor deadwood.	Remove all deadwood.	C1	2.88	26.06
T	44	Prunus avium (Wild Cherry)	10	230	Good	Good	40+	2	2	2	2	2(W)	3	3	3	3	No significant defects noted.	None required at time of inspection.	B2	2.76	23.93
G	45	Betula jaquomontii	12		Good	Good	20+										Minor deadwood.	Remove all deadwood.	B2	Error	Error
	45	Betula jaquomontii	13	160	Fair	Good	20+						1.5	3	1	1	No significant defects noted.	None required at time of inspection.	B2	1.92	11.58
	45	Betula jaquomontii	13	250	Fair	Good	20+						5	5	2	1	No significant defects noted.	None required at time of inspection.	B2	3	28.28
	45	Betula jaquomontii	13	210	Fair	Good	20+		3			1.2(E)	2	4	2	1	No significant defects noted.	None required at time of inspection.	B2	2.52	19.95
	45	Betula jaquomontii	13	210	Fair	Good	20+		3			1.2(E)	2	4	2	1	No significant defects noted.	None required at time of inspection.	B2	2.52	19.95
	46	Betula jaquomontii	13	240	Fair	Good	20+		4			1.2(N)	4	5	3	1	No significant defects noted.	None required at time of inspection.	B2	2.88	26.06
	46	Betula jaquomontii	12	240	Fair	Good	20+		4			1.2(NE)	4.5	5	3	1	No significant defects noted.	None required at time of inspection.	B2	2.88	26.06
	46	Betula jaquomontii	12	180	Fair	Good	20+				2	1.2(NE)	2	1	2	3.5	No significant defects noted.	None required at time of inspection.	B2	2.16	14.66
	46	Betula jaquomontii	12	180	Fair	Good	20+				2	1.2(NE)	2	1	2	3.5	No significant defects noted.	None required at time of inspection.	B2	2.16	14.66
	49	Betula jaquomontii	12	180	Fair	Good	20+				2	1.2(NE)	2	1	2	4	No significant defects noted.	None required at time of inspection.	B2	2.16	14.66
	45	Betula jaquomontii	12	180	Fair	Good	20+				4	1.5(W)	2	1	2	4	No significant defects noted.	None required at time of inspection.	B2	2.16	14.66
	45	Betula jaquomontii	12	150	Fair	Good	20+				3	1.5(NW)	2	1	2	4	No significant defects noted.	None required at time of inspection.	B2	1.8	10.18
	45	Betula jaquomontii	12	180	Fair	Good	20+				3.5	1(NE)	2	1	2	4.5	No significant defects noted.	None required at time of inspection.	B2	2.16	14.66



Type	Tree no	Species	Height/m	Diameter/mm	Condition		Life Exp	Canopy Height/m				First Significant Branch Hgt/m	Canopy Spread/m				Comments	Recommendations	Category	Root protection	
					Physiological	Structural		N	E	S	W		N	E	S	W				Radius/m	Area/sqm
	45	Betula jaquontii	12	210	Fair	Good	20+				3.5	1(W)	2	1	2	4.5	No significant defects noted.	None required at time of inspection.	B2	2.52	19.95
	45	Betula jaquontii	12	180	Fair	Good	20+				5	2(N)	2.5	2	1	3.5	Major deadwood in crown. Minor deadwood.	Remove all deadwood.	B2	2.16	14.66
T	50	Platanus X hispanica (London Plane)	8	180	Fair	Good	40+	4	4	4	4	2(S)	3	3	4	4	No significant defects noted.	None required at time of inspection.	C1/B2	2.16	14.66
T	51	Platanus X hispanica (London Plane)	8	180	Poor	Good	40+	4.5	4	4	4	2(NE)	3	3	3.5	3	Low vitality. Low bud/leaf density.	None required at time of inspection.	C1/B2	2.16	14.66
T	52	Platanus X hispanica (London Plane)	8	180	Poor	Good	40+	4.5	4	4	4	2(NE)	3	3	3.5	3	Low vitality. Low bud/leaf density. Minor deadwood.	None required at time of inspection.	C1/B2	2.16	14.66
T	53	Platanus X hispanica (London Plane)	14	370	Fair	Good	40+	6	6	6	6	3(NE)	4	6	7	4	Minor deadwood.	None required at time of inspection.	C1/B2	4.44	61.94
T	54	Platanus X hispanica (London Plane)	11	280	Fair	Good	40+	6	6	6	6	3(NE)	4	4	5.5	6	Minor deadwood.	None required at time of inspection.	C1/B2	3.36	35.47
T	55	Platanus X hispanica (London Plane)	10	200	Poor	Good	40+	4.5	4	4	4	2(N)	3	3	3.5	3	Low vitality. Low bud/leaf density. Minor deadwood.	None required at time of inspection.	C1/B2	2.4	18.1
T	56	Platanus X hispanica (London Plane)	10	200	Poor	Good	40+	4.5	4	4	4	2(SW)	3	3	3.5	3	Low vitality. Low bud/leaf density. Minor deadwood.	None required at time of inspection.	C1/B2	2.4	18.1
T	57	Platanus X hispanica (London Plane)	10	180	Poor	Good	40+	5	5	5	5	4(N)	3	3	3	2.5	Low vitality. Low bud/leaf density. Minor deadwood.	None required at time of inspection.	C1	2.16	14.66
T	58	Platanus X hispanica (London Plane)	10	160	Poor	Good	40+	5	5	5	5	4(N)	3	3	3	3	Low vitality. Low bud/leaf density. Minor deadwood.	None required at time of inspection.	C1	1.92	11.58
T	59	Platanus X hispanica (London Plane)	10	160	Poor	Good	40+	5	5	5	5	4(N)	3	3	3	3	Low vitality. Low bud/leaf density. Minor deadwood.	None required at time of inspection.	C1	1.92	11.58





Type	Tree no	Species	Height/m	Diameter/mm	Condition		Life Exp	Canopy Height/m				First Significant Branch Hgt/m	Canopy Spread/m				Comments	Recommendations	Category	Root protection	
					Physiological	Structural		N	E	S	W		N	E	S	W				Radius/m	Area/sqm
T	60	Platanus X hispanica (London Plane)	10	210	Fair	Fair	40+	4	5	5	5	4(N)	3.5	3	4	3	Low vitality. Low bud/leaf density. Minor deadwood.	None required at time of inspection.	C1	2.52	19.95
T	61	Platanus X hispanica (London Plane)	16	520	Fair	Fair	40+	4	5	5	5	4(N)	7	7	8	5.5	Minor deadwood.	None required at time of inspection.	B2	6.24	122.3
T	62	Platanus X hispanica (London Plane)	12	240	Fair	Fair	40+	6	6	5	6	4(S)	6	3	4.5	3	Low vitality. Low bud/leaf density. Minor deadwood.	None required at time of inspection.	B1	2.88	26.06
T	63	Platanus X hispanica (London Plane)	12	410	Fair	Fair	40+	6	6	5	6	4(S)	7	7	6	5	Low vitality. Major deadwood in crown. Minor deadwood.	Remove all deadwood.	B1	4.92	76.06
T	64	Platanus X hispanica (London Plane)	13	240	Fair	Fair	40+	6	6	6	6	3(SW)	7	3	5	3.5	Low vitality. Minor deadwood.	None required at time of inspection.	C1/B2	2.88	26.06
T	65	Platanus X hispanica (London Plane)	13	300	Fair	Fair	40+	6	5	5	6	3(SW)	6	5	5	4	Minor deadwood.	None required at time of inspection.	C1/B2	3.6	40.72
T	66	Platanus X hispanica (London Plane)	14	320	Fair	Fair	40+	5	5	5	6	3(SW)	7	4	5	4	Minor deadwood.	None required at time of inspection.	C1/B2	3.84	46.33
T	67	Platanus X hispanica (London Plane)	13	250	Fair	Fair	40+	5	5	4	6	1.5(W)	6	3.5	5	4	Minor deadwood.	None required at time of inspection.	C1/B2	3	28.28
T	68	Platanus X hispanica (London Plane)	13	290	Fair	Fair	40+	6	5	5	6	3(S)	5.5	3.5	5	6	Minor deadwood.	None required at time of inspection.	C1/B2	3.48	38.05
T	69	Platanus X hispanica (London Plane)	13	370	Fair	Fair	40+	6	6	6	6	4(SW)	6.5	6	5.5	5	Minor deadwood.	None required at time of inspection.	C1/B2	4.44	61.94
T	70	Platanus X hispanica (London Plane)	13	310	Fair	Fair	10+	6	5	5	6	2(NE)	5	3.5	5	4	Low vitality. Low bud/leaf density. Minor deadwood.	None required at time of inspection.	C1/B2	3.72	43.48



Type	Tree no	Species	Height/m	Diameter/mm	Condition		Life Exp	Canopy Height/m				First Significant Branch Hgt/m	Canopy Spread/m				Comments	Recommendations	Category	Root protection	
					Physiological	Structural		N	E	S	W		N	E	S	W				Radius/m	Area/sqm
T	71	Platanus X hispanica (London Plane)	13	330	Fair	Fair	20+	6	5	5	6	2(NE)	6.5	4.5	6	5	Minor deadwood.	None required at time of inspection.	C1/B2	3.96	49.27
T	72	Platanus X hispanica (London Plane)	13	210	Fair	Fair	10+	5	5	5	6	2(SW)	5	3	5	4	Low bud/leaf density. Minor deadwood.	None required at time of inspection.	C1/B2	2.52	19.95
T	73	Acer pseudoplatanus (Sycamore)	15	170	Fair	Fair	10+		5	4	5	2.5(E)	2.5	2	2	2	No significant defects noted.	None required at time of inspection.	C1	2.04	13.08
G	74	Tilia cordata (Small-leaved Lime)	17		Fair	Fair	10+										Previously reduced / pruned. Cavity. Stem divides below 1.5m. Minor deadwood.	None required at time of inspection.	C1/B2		
	74	Tilia cordata (Small-leaved Lime)	17	400	Fair	Fair	10+	6	7		6	3.5(N)	5	5	2	5.5	Previously reduced / pruned. Cavity. Stem divides below 1.5m. Minor deadwood.	None required at time of inspection.	C1/B2	4.8	72.39
	74	Tilia cordata (Small-leaved Lime)	17	540	Fair	Fair	10+		7		12	1	1	5	2	4.5	Previously reduced / pruned. Cavity. Stem divides below 1.5m. Minor deadwood.	None required at time of inspection.	C1/B2	6.48	131.9
	74	Tilia cordata (Small-leaved Lime)	17	240, 150, 200, 190	Fair	Fair	10+		10		6	1	1	6	2	5.5	Previously reduced / pruned. Cavity. Stem divides below 1.5m. Minor deadwood.	None required at time of inspection.	C1/B2	4.74	70.59
	74	Tilia cordata (Small-leaved Lime)	18	150, 160, 170, 190	Fair	Fair	10+		7		12	1	1	5	2	4.5	Previously reduced / pruned. Cavity. Stem divides below 1.5m. Minor deadwood.	None required at time of inspection.	C1/B2	4.03	51.03
	75	Tilia cordata (Small-leaved Lime)	19	200, 250, 200, 280, 250	Fair	Fair	10+		7		12	1	2	5	6	5.5	Previously reduced / pruned. Cavity. Stem divides below 1.5m. Minor deadwood.	None required at time of inspection.	C1/B2	8.22	212.3



Type	Tree no	Species	Height/m	Diameter/mm	Condition		Life Exp	Canopy Height/m				First Significant Branch Hgt/m	Canopy Spread/m				Comments	Recommendations	Category	Root protection	
					Physiological	Structural		N	E	S	W		N	E	S	W				Radius/m	Area/sqm
T	75	Acer pseudoplatanus (Sycamore)	6	200	Dead	Dead	0						2	2	2	2	Dead.	Remove tree and retain root.	U	2.4	18.1
T	76	Acer pseudoplatanus (Sycamore)	16	550	Fair	Fair	40+	6	6	6	10	4(E)	7	7.5	7	6.5	No significant defects noted.	None required at time of inspection.	B1	6.6	136.9
T	77	Acer pseudoplatanus (Sycamore)	7	410	Fair	Fair	40+	6	6	8	6	3(SW)	4	4.5	5	5.5	Poor shape & form. Low bud/leaf density.(Lost leader)	None required at time of inspection.	C1	4.92	76.06
T	78	Acer pseudoplatanus (Sycamore)	14	150	Fair	Fair	10+	5	6	3	3	3(S)	2.5	2.5	2.5	2.5	Suppressed.	None required at time of inspection.	C1	1.8	10.18
T	79	Tilia cordata (Small-leaved Lime)	6	100, 110, 120, 130	Fair	Fair	10+	3	3	3.5	4	3(N)	3	3	2.5	3	Stem divides at ground level.	None required at time of inspection.	C1	2.77	24.11
T	80	Fraxinus excelsior (Ash)	6	200	Fair	Fair	10+	2	2	4	4	2(NE)	3	4	2	3	No significant defects noted.	None required at time of inspection.	C1	2.4	18.1
T	81	Sorbus aria (Whitebeam)	6	260	Fair	Fair	10+	2.5	3		3.5	1.5(NW)	4.5	3	1.5	4	Leaning North-West.	None required at time of inspection.	C1	3.12	30.59
T	82	Sorbus aria (Whitebeam)	9	340	Fair	Fair	10+	4	2	2	3	1.5(SE)	3	3	4	4	No significant defects noted.	None required at time of inspection.	C1	4.08	52.3
T	83	Betula pendula (Silver Birch)	9	240	Fair	Fair	10+	3	6	4	3	2(E)	4.5	2.5	5	2	Poor shape & form. Off site.	None required at time of inspection.	C1	2.88	26.06
T	84	Betula pendula (Silver Birch)	14	310	Fair	Fair	10+	3	4	6	5	3(W)	5	5.5	3.5	5	No significant defects noted.(Overhead cables running through the canopy)	None required at time of inspection.	C1/B2	3.72	43.48
T	85	Crataegus prunifolia (Hawthorn)	5	210	Fair	Fair	10+	3	4	4	4	1.5(E)	3	3.5	2	3	No significant defects noted.	None required at time of inspection.	C1	2.52	19.95



Type	Tree no	Species	Height/m	Diameter/mm	Condition		Life Exp	Canopy Height/m				First Significant Branch Hgt/m	Canopy Spread/m				Comments	Recommendations	Category	Root protection	
					Physiological	Structural		N	E	S	W		N	E	S	W				Radius/m	Area/sqm
T	86	Acer pseudoplatanus (Sycamore)	17	330, 330, 250, 310, 220	Fair	Fair	10+	6	6	8	6	2.5(NE)	8	7	5	7	Previously reduced / pruned.	None required at time of inspection.	C1/B2	7.82	192.1
T	87	Acer pseudoplatanus (Sycamore)	17	420	Fair	Fair	20+	5	7		5	2(NE)	6.5	7	1.5	6	Previously reduced / pruned.	None required at time of inspection.	B1	5.04	79.81
T	88	Acer pseudoplatanus (Sycamore)	18	580	Fair	Fair	20+		7	15	6	10(SE)	3	7	3.5	6.5	Previously reduced / pruned.	None required at time of inspection.	B1	6.96	152.2
T	89	Acer pseudoplatanus (Sycamore)	18	580	Fair	Fair	20+	5	7	7	6	5(NE)	4	7	6.5	6.5	Previously reduced / pruned.	None required at time of inspection.	B1	6.96	152.2
T	90	Fraxinus excelsior (Ash)	15	340	Fair	Fair	20+	5	7	4	4	3(SE)	5	4	5.5	5	Previously reduced / pruned.	None required at time of inspection.	B1	4.08	52.3
T	91	Fraxinus excelsior (Ash)	15	540	Fair	Fair	20+	5	10	6	6	5(W)	5.5	6	5	6.5	Previously reduced / pruned.	None required at time of inspection.	B1	6.48	131.9
T	92	Fraxinus excelsior (Ash)	16.5	630	Fair	Fair	20+	7	8	5	5	4(SE)	6	6.5	7	6.5	Previously reduced / pruned.	None required at time of inspection.	B1	7.56	179.6
T	93	Fagus sylvatica (Beech)	18	570	Fair	Fair	20+	3	5	6	5	1.5(E)	6	6	6	6.5	Off site.	None required at time of inspection.	B1	6.84	147
T	94	Carpinus betulus (Hornbeam)	15	550	Fair	Fair	20+	4.5	4.5	3	3	2(E)	6.5	6.5	6.5	6.5	Off site. Major deadwood in crown. Minor deadwood.	None required at time of inspection.	C1/B2	6.6	136.9
T	95	Carpinus betulus (Hornbeam)	14	420	Fair	Fair	20+	4.5	4.5	4.5	4.5	1.5(E)	5	5	5	5	Off site.	None required at time of inspection.	C1/B2	5.04	79.81
T	96	Acer pseudoplatanus (Sycamore)	16	450	Fair	Fair	20+	5.5	5.5	5.5	5.5	3.5(E)	6.5	5	5	6	Previously reduced / pruned.	None required at time of inspection.	C1	5.4	91.62
T	97	Taxus baccata (Yew)	15	450	Fair	Fair	20+	6	5	6	6		4.5	4.5	4.5	5	Ivy on tree.	None required at time of inspection.	B1	5.4	91.62



Type	Tree no	Species	Height/m	Diameter/mm	Condition		Life Exp	Canopy Height/m				First Significant Branch Hgt/m	Canopy Spread/m				Comments	Recommendations	Category	Root protection	
					Physiological	Structural		N	E	S	W		N	E	S	W				Radius/m	Area/sqm
T	98	Acer pseudoplatanus (Sycamore)	19	670	Fair	Fair	20+		6	4.5	5	4.5(S)	3	4.5	6.5	5	No significant defects noted.	None required at time of inspection.	C1/B2	8.04	203.1
G	99	Acer pseudoplatanus (Sycamore)	14	300	Fair	Fair	20+										No significant defects noted.	None required at time of inspection.	C1/B2	3.6	40.72
T	100	Acer pseudoplatanus (Sycamore)	12	210	Fair	Fair	20+	4.5	4.5	4.5	4.5	4(E)	3	3	3	3	No significant defects noted.	None required at time of inspection.	C1/B2	2.52	19.95
T	101	Carpinus betulus (Hornbeam)	14	400	Fair	Fair	20+	5.5	5	5	5	4(SE)	5	4	5	4	Off site. Major deadwood in crown. Minor deadwood.	None required at time of inspection.	C1/B2	4.8	72.39
T	102	Fagus sylvatica (Beech)	19	800	Poor	Fair	<10						6	6	6	6	Diameter estimated. Off site. Major deadwood in crown. Minor deadwood.	None required at time of inspection.	C1	9.6	289.6

## Key

### 1. Tree Ref No:

This relates to the numbers on the plan. Where trees have been tagged, the tag number will be used as the tree reference number. Individual trees are not prefixed and prefixed with a G, W or H represent a group, woodland or hedge respectively.

### 2. Species:

The name given is the 'common name' by default. Where Latin names are given they are shown in italics

### 3. DBH (Diameter at breast height):

This is the stem diameter at 1.5 metres (breast height') above ground level, given in centimetres. Where trees are multi-stemmed trees the square root of the combined stem diameter is calculated.

### 4. H (Height):

The height of the tree measured where possible or estimated and recorded in metres.

### 5. Canopy Spread (Crown radius):

The average crown spread taken from the centre of the trunk to the tips of the live lateral branches given in metres. Measurements following the compass points North, East, South and West.

### 6. Canopy height:

Ave - Average Crown Height Clearance: (HaB Height above ground) — ground clearance of lowest part of canopy given in metres.

1<sup>st</sup> branch – the height of the first significant branch

### 7. Age:

Age assessment is based on growth stages rather than actual age in years and are recorded as follows

Y Young

SM Semi Mature – having reached up to 1/3 life expectancy

EM Early mature - having reached 1/3 of the expected life expectancy and is transitioning into maturity.

M Mature - over 2/3 life expectancy

OM Over-mature - fully mature, past peak condition and beginning to decline

V Veteran - trees of interest biologically, aesthetically or culturally because of significant age.

8. Physiological condition/Remarks:

Any notable diseases, symptoms or conditions observed. Any notes considered relevant are recorded here including local features which may be affected by or affect the tree

9. Overall Condition:

An assessment of the health and vigour of the tree compared to what would normally be considered typical of a healthy tree of the species. Condition categories are given as good, fair, poor or dead.

10. Life Expectancy:

An estimate of the potential worthwhile remaining contribution – future life expectancy of the tree(s) in the present setting given normal circumstances, given in years (< = less than > = greater than) categorised <10 years, 10 – 20 years, 20 – 40 years and > 40 years.

11. Cat grade: A quality assessment of the trees based on criteria detailed in BS5837:2012 Table 1

U: Trees unsuitable for retention

A: Those of high quality and value

B: Those of moderate quality and value

C: Those of low quality and value

Assessments are based on their condition on the day of inspection and cannot account for future changes in circumstances.

## 12. Recommendations:

Preliminary management recommendations in relation to the proposed development are made where appropriate. These may include remedial tree works that are deemed necessary to improve the quality of the tree or for safety reasons. Recommended tree works will be required to be in accordance with British Standard 3998:2010 Tree Work





Table 1

<b>Category and definition</b>	<b>Criteria</b>			<b>Identification on plan</b>
<p><b>Category U</b> 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</p>	<ul style="list-style-type: none"> <li>• 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)</li> <li>• Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline</li> <li>• 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</li> </ul> <p><i>NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve</i></p>			DARK RED
<b>TREES TO BE CONSIDERED FOR RETENTION</b>				
<b>Category and definition</b>	<b>Criteria — Subcategories</b>			<b>Identification on plan</b>
	<b>1 Mainly arboricultural values</b>	<b>2 Mainly landscape values</b>	<b>3 Mainly cultural values, including conservation</b>	
<p><b>Category A</b> <b>Tree of high quality</b> with an estimated remaining life expectancy of at least 40 years</p>	Trees that are particularly good examples of their species, especially if rare or unusual, or essential components of groups, or of 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)	LIGHT GREEN
<p><b>Category B.</b> <b>Trees of moderate quality</b> with an estimated remaining life expectancy of at least 20 years</p>	Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of remediable defects including unsympathetic past management and minor storm damage) such that they are unlikely to be suitable for retention beyond 40 years; of trees lacking the special quality necessary to merit A categorisation	Trees present in numbers, usually as groups or woodlands, such that they form distinct landscape features, thereby attracting a higher collective rating than they might as individuals but which are not, individually, essential components of formal or semi-formal arboricultural features (e.g. trees of moderate quality within an avenue that includes better, A category specimens), or trees situated mainly internally to the site, therefore individually having little visual impact on the wider locality	Trees with material conservation or other cultural benefits	MID BLUE
<p><b>Category C.</b> <b>Trees of low quality</b> with an estimated life expectancy of at least 10 years, or younger trees with a stem diameter below 150 mm</p>	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 landscape value, and/or trees offering low or only temporary screening benefit	Trees with very limited conservation or other cultural benefits	GREY
<p>NOTE Whilst C category trees will usually not be retained where they would impose a significant constraint on development, young trees with a stem diameter of less than 150 mm should be considered for relocation</p>				

## **Appendix B – Generic information**

### **TREE SURVEY**

#### **Scope and Limitations of Survey**

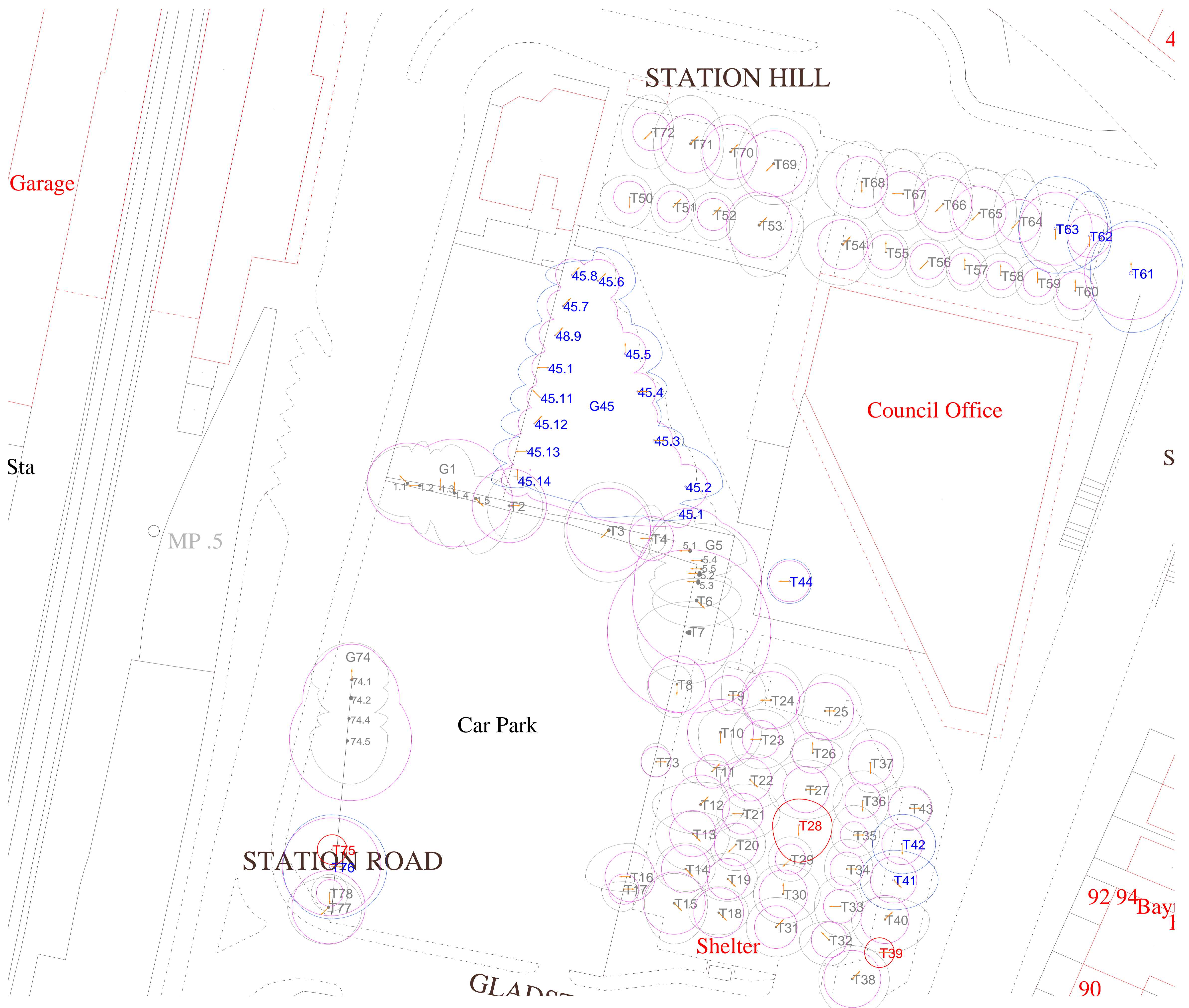
1. This survey and report are concerned with the arboricultural aspects of the site only.
2. Only trees of significant stature were surveyed. Trees with a stem diameter of less than 75mm when measured at 1.5m above ground level (DBH) have been excluded unless they have particular merit that warrants comment.
3. The survey is restricted to trees that will be affected by the development within and adjacent to the site in accordance with guidelines detailed in British Standard 5837:2012 and with good practice as promoted by the Arboricultural Association and Arboricultural and Forestry Advisory Group (AFAG).
4. This survey is based on a ground level tree assessment and examination of external features only — described as the 'Visual Tree Assessment' (Mattheck and Breloer, The Body Language of Trees, DoE booklet Research for Amenity Trees No. 4, 1994). Although the structural conditions of the trees are considered and remedial action may be recommended it does not constitute a comprehensive Health and Safety report and if one is required it should be commissioned separately. No tissue samples were taken or internal investigations carried out.
5. No soil samples were taken or soil analyses carried out and the risk of tree-related subsidence to structures has not been assessed.
6. Consideration should be given to the timing of the proposed tree works to avoid the active growing period of trees. Tree work should ideally be carried out during the dormant period from November through to February and then again from June to August.
7. Although considered and wildlife habitat potential highlighted, no specific wildlife assessment has been carried out. It should be noted that The Wildlife and Countryside Act 1981, as amended by the Countryside Rights of Way Act 2000 and Conservation - Natural Habitats -Regulations 1994 provides statutory

protection to birds, bats and other species that inhabit trees.

8. The official bird nesting season runs from 1<sup>st</sup> March through to the 31<sup>st</sup> July (Natural England) depending on weather conditions, consideration must also be given to the potential for nesting birds. If tree work is to be carried out within this period the project ecologist must be consulted to:
9. Complete or advise on a pre-works survey which needs to be carried out by a suitably competent person. As a general rule, it should be assumed that birds will be nesting in trees, and it is down to contactors to assess, record and confirm that any works carried out in the management of trees and other vegetation has not disturbed actively nesting birds.
10. Ground vegetation, and therefore ground nesting birds, can often be overlooked by tree workers so additional care and controls should be taken when access and egress to the work site may also cause disturbance or damage to a nesting site. This is also true for retained trees on site as the removal of adjacent trees or remedial works on a tree may lead to an established nest being abandoned, exposed to the elements or predation. This action is also a breach of the Act and therefore could lead to prosecution.
11. Consideration should also be given to the presence of bats. A preliminary assessment of possible roost formations (British Standards Institute, 2015) has been undertaken and a full visual assessment recommended where the possible presence of bats have been identified as a serious concern, a bat survey should be undertaken by qualified and trained personnel to identify the needs of the bats (roosts, resting places etc.) and no tree works can be carried out until the 'all clear' is given, or a programme of recommendations is received in writing.
12. This report should be read in conjunction with the Tree Protection Plan. The position of all trees and existing or proposed features are based on the plans provided by the client or other instructed professionals. Where trees have been omitted from the plans provided their position has been estimated or where possible plotted by triangulation.

### **Survey Method**

1. In order to provide a systematic and consistent evaluation of the trees situated on the site, the following methodology was used in accordance with BS 5837: 2012.
2. The stem diameters of single stemmed trees were measured in millimetres at 1.5m above ground level (DBH). Multi-stemmed trees were measured at 1.5m above ground level and the RPA arrived at as per section 4.6a BS 5837:2012.
3. The height of visible trees was measured using a clinometer and estimated visually where view to the upper canopy obstructed.
4. The crown radii were measured where possible or estimated where access is restricted and are given for each cardinal point.
5. Where access to trees was obstructed or obscured, dimensions have been estimated.
6. Each tree has been assessed in terms of its arboricultural, landscape, cultural and conservation values in accordance with BS 5837: 2012 which are detailed in the Tree Schedule.

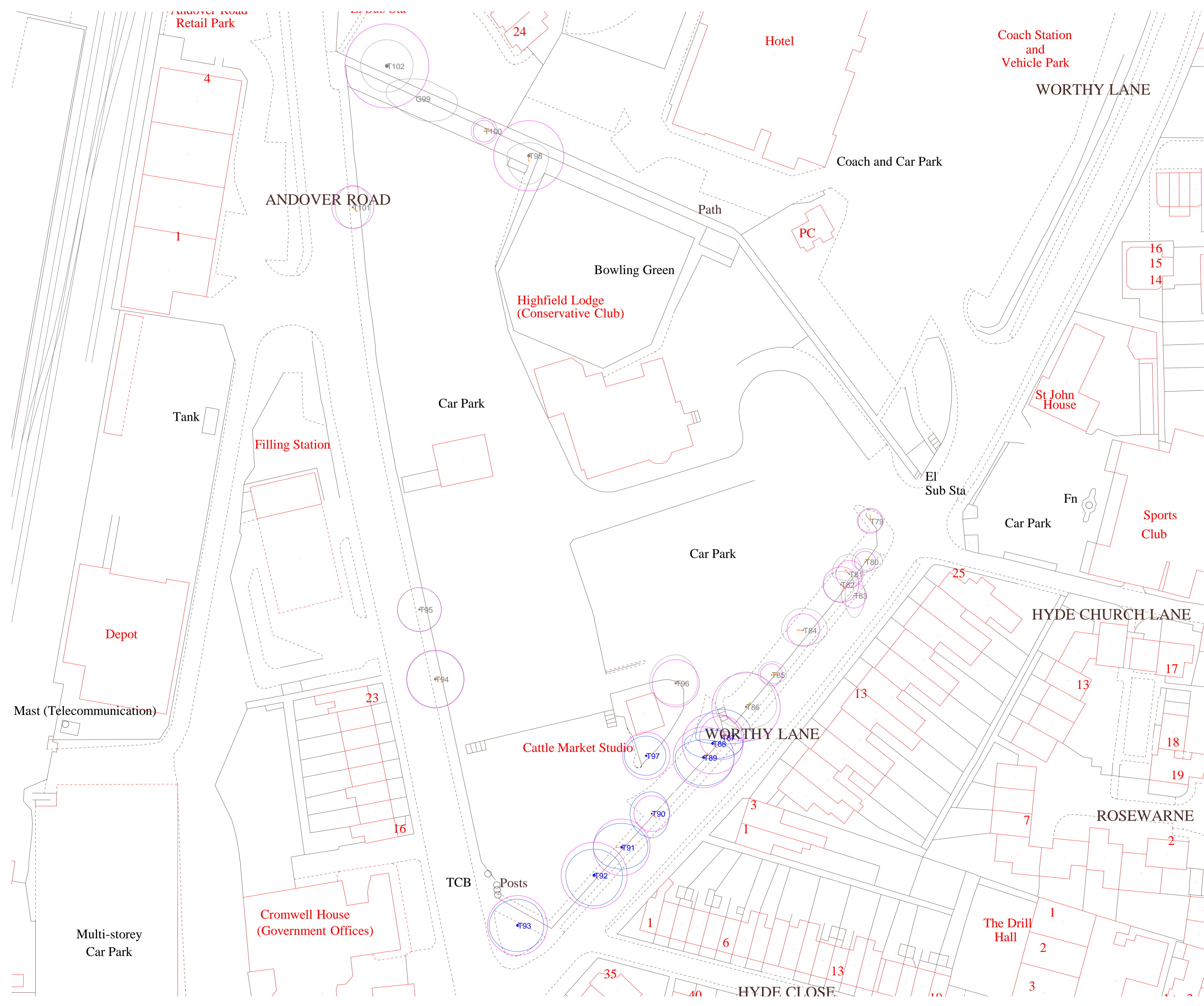


**KEY**

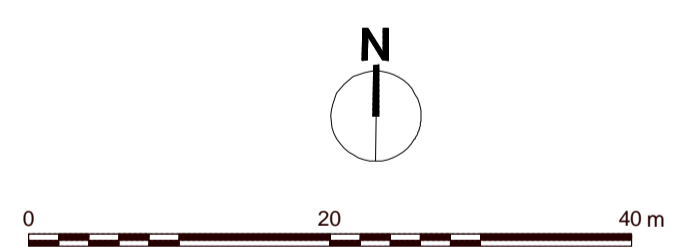
- Category A trees - Trees of high value in such condition as to make a substantial future contribution (around 40 years is recommended)
- Category B trees - Trees of moderate quality and value in such as to make a significant future contribution for around 20 years
- Category C trees - Trees of low quality and value which might remain for around 10 years or with stems of less than 150 mm diameter
- Category U trees - Trees of low quality and value which have no potential due to disease or defects.
- Direction of the first significant branch
- T3 Tree number - T - tree, G - group
- 20.1 Tree number indicating individuals within a group
- The Root Protection Area is the theoretical area considered necessary to provide sufficient room to support the tree.

CLIENT: Winchester City Council  
 SITE: Station Approach Winchester - Gladstone Street  
 DRAWING: Arboricultural Survey  
 DRAWING NO.: 224126612/20/2018 AS  
 SCALE: 1:250 @ A1  
 DATE: 29 January 2019  
 DRAWN BY: M.Harrison

Harrison Arboriculture Ltd.  
 Telephone - 07915 847 367  
 email: admin@harrisonarboriculture.co.uk



- KEY**
- Category A trees - Trees of high value in such condition as to make a substantial future contribution (around 40 years is recommended)
  - Category B trees - Trees of moderate quality and value in such as to make a significant future contribution for around 20 years
  - Category C trees - Trees of low quality and value which might remain for around 10 years or with stems of less than 150 mm diameter
  - Category U trees - Trees of low quality and value which have no potential due to disease or defects.
  - Direction of the first significant branch
  - T3** Tree number - T - tree, G - group
  - 20.1** Tree number indicating individuals within a group
  - The Root Protection Area is the theoretical area considered necessary to provide sufficient room to support the tree.



CLIENT	Winchester City Council
SITE	Station Approach Winchester - Worthy Lane
DRAWING	Arboricultural Survey
DRAWING NO.	224126612/20/2018 AS
SCALE	1:500 @ A1
DATE	29 January 2019
DRAWN BY	M.Harrison

**Harrison Arboriculture Ltd.**

Telephone - 07915 847 367  
email: admin@harrisonarboriculture.co.uk