
AVIAGEN LLAY TURKEY FACILITY

Arboricultural Method Statement

May 2017



1.0 INTRODUCTION

- 1.1 This arboricultural method statement has been carried out with reference to the planned turkey facility development at Llay and in response to planning conditions 7 and 8. This proposal should be read in conjunction with Tree Protection and Survey Plan ALLP15.03.
- 1.3 The tree survey was carried out in May using the survey criteria contained in Trees in relation to design, demolition and construction BS 5837: 2012 and all trees within the application site were surveyed and plotted.

2.0 TREE SURVEY METHODOLOGY

- 2.1 The trees were surveyed using the criteria according to BS 5837:2012 namely:
- a) reference number
 - b) species
 - c) height
 - d) stem diameter (m)
 - e) branch spread N,S,E,W
 - f) ultimate projected height
 - g) height of crown above ground
 - h) life stage (young, semi mature, early mature, mature, over mature)
 - i) condition, physiological or structural
 - j) estimate remaining contribution in years <10,10+,20+,40+)
 - k) Category U or A to C grading : Category U : Trees in a condition that cannot be realistically be retained; Category A trees of high quality with an estimated remaining life expectancy of 40 years; Category B: trees of moderate quality with an estimated remaining life expectancy of 20 years; Category C: trees of low quality with an estimated remaining life expectancy of 10 years or trees with stem dia. below 150mm;
 - l) comments including notes on tree surgery or further investigation
 - m) Root Protection Area (RPA) calculated in m2.
- 2.2 A total of 55 trees were surveyed and the results of the survey are recorded in **Table 1** below and on plan **ALLP15.03**.

3.0 ARBORICULTURAL IMPACT ASSESSMENT

- 3.1 The bulk of the surveyed trees will be retained and remain unaffected by the development. A total of 7 trees will be removed however as they conflict with the footprint of the development. These are nos.: 25,26,27,28,29,30 and 31 and formed part of the planning consent.
- 3.2 One tree, tree no. 23 is recommended for tree surgery in response to 2 major cavities in the lower trunk. It is recommended that 2 major overhanging limbs are therefore removed on the eastern side of the tree to remove the threat to new development which is immediately adjacent.

3.3 TREE PROTECTION

- 3.4 Measures to protect the retained trees include the erection of a continuous line of 2.0m high Heras fencing secure to 75mm dia. wooden stakes at 5.0m intervals. The line of the fence will coincide with the outer limits of the RPA in each case. In the case of the northern perimeter tree nos.8 to 23 and 35

to 38 this is likely to be a worst case scenario as there is an existing deep ditch approximately 1.0 to 1.5m in depth which will have severed all surface roots to the south. On completion of the works all protective fencing will be removed.

3.5

SUPERVISION

3.6

During on site construction works the site will be visited once weekly by a fully qualified chartered landscape architect to ensure that all protective measures are in place and no infringements to the protective areas have occurred.

LLAY TURKEY FACILITY: TREE SUYRVEY: Planning application Ref:

Tree No.	Species (English)	Species (Latin)	Age	Dia (mm)	Ht	Ult Ht	Cr Ht	N	S	E	W	BS Cat	Condition	Life Expt	Comments	RPA
1	Oak	Quercus robur	SM	650	6	10	2	4	4	4	4	A	Good vigour	40+		191
2	Oak	Quercus robur	EM	725	8	10	3	2	5	5	5	A	Good vigour	40+		237
3	Oak	Quercus robur	EM	600	7	10	3	3	3	3	3	A	Good vigour	40+		162
4	Oak	Quercus robur	EM	550	8	10	4	4	4	5	2	A	Good vigour	40		136
5	Oak	Quercus robur	EM	i) 600 ii) 500	8	10	3	4	4	4	6	A	Good vigour	40+	Double stem at base	162
6	Oak	Quercus robur	OM	650	8	10	0	0	0	0	0	C	Poor dead no crown	10+	Dead, stag headed	191
7	Oak	Quercus robur	EM	500	8	10	3	2	3	4	4	A	Good vigour	40+		113
8	Oak	Quercus robur	EM	825	6	10	2	4	4	5	3	A	Reasonable vigour	40+		307
9	Oak	Quercus robur	EM	410	7	10	2	3	3	3	3	A	Good vigour	40+		76
10	Oak	Quercus robur	EM	550	10	12	2	6	6	3	6	A	Reasonable vigour	40+		136
11	Oak	Quercus robur	EM	500	7	10	2	3	3	3	3	A	Good vigour	40+		113

Tree No.	Species (English)	Species (Latin)	Age	Dia (mm)	Ht	Ult Ht	Cr Ht	N	S	E	W	BS Cat	Condition	Life Expt	Comments	RPA
12	Oak	Quercus robur	EM	425	7	10	2	2	5	5	5	A	Good vigour	40+		81
13	Oak	Quercus robur	EM	535	8	10	2	5	5	5	5	A	Good vigour	40+		129
14	Oak	Quercus robur	EM	500	7	10	2	4	4	4	4	A	Good vigour	40+		113
15	Oak	Quercus robur	EM	475	8	10	1	4	4	4	4	A	Good vigour	40+	E side of ditch	102
16	Oak	Quercus robur	EM	425	6	10	1	2	3	3	3	A	Poor vigour	40+	Basal wound and cavity	81
17	Oak	Quercus robur	EM	375	9	12	2	3	2	4	3	A	Poor vigour	40+	Stag head crown	63
18	Oak	Quercus robur	EM	400	6	10	1	5	3	4	3	A	Poor vigour	40+		72
19	Oak	Quercus robur	EM	400	7	10	2	4	4	4	4	A	Good vigour	40+		72
20	Oak	Quercus robur	EM	500	10	12	2	4	4	4	4	A	Poor vigour	40+		113
21	Oak	Quercus robur	EM	325	7	10	1	2	3	3	3	A	Reasonable vigour	40+	Die back in crown	47
22	Oak	Quercus robur	EM	500	9	12	2	4	3	4	3	A	Reasonable vigour	40+		113

Tree No.	Species (English)	Species (Latin)	Age	Dia (mm)	Ht	Ult Ht	Cr Ht	N	S	E	W	BS Cat	Condition	Life Expt	Comments	RPA
23	Oak	Quercus robur	M	1000	12	14	2	4	5	9	7	B	Reasonable vigour but poor crown, stag headed, major wound at base on E side and major basal cavity on W side.	20+	Tree surgery recommended to remove 2 major overhanging limbs on the eastern side of the tree and reduce threat to new development which is immediately adjacent.	452
24	Oak	Quercus robur	M	500	6	10	3	3	3	3	2	C	Poor vigour	10+	Poor crown and evidence of die back	113
25	Oak	Quercus robur	EM	500	9	-	2					B	Reasonable vigour	-	Felled as part of planning application for development	113
26	Oak	Quercus robur	EM	500	9	-	2					B	Reasonable vigour	-	Felled as part of planning application for development	113
27	Oak	Quercus robur	EM	i)400 ii) 400 iii) 200	9	-	2					B	Reasonable vigour	-	Multi-stemmed. Felled as part of planning application for development	72
28	Oak	Quercus robur	EM	400	5	-	3					B	Poor vigour	-	Felled as part of planning application for development	72
29	Oak	Quercus robur	EM	400	6	-	2					A	Good vigour	-	Felled as part of planning application for development	72
30	Oak	Quercus robur	EM	400	6	-	2					A	Good vigour	-	Felled as part of planning application for development	72
31	Oak	Quercus robur	OM	450	3	-	0					C	Dead	-	Felled as part of planning application for development	91

Tree No.	Species (English)	Species (Latin)	Age	Dia (mm)	Ht	Ult Ht	Cr Ht	N	S	E	W	BS Cat	Condition	Life Expt	Comments	RPA
32	Oak	Quercus robur	M	700	7	10	2	2	3	3	4	A	Good vigour	40+	Retained, reduce crown.	221
33	Oak	Quercus robur	M	650	15	17	6	5	5	5	5	A	Good vigour	40+		191
34	Oak	Quercus robur	M	1200	15	17	6	6	8	8	6	C	Poor vigour	10+	Die back in crown, stag headed, cavity at union at 1.5m.	651
35	Oak	Quercus robur	M	600	16	18	2	4	3	3	3	C	Poor vigour	10+	Reduced crown	162
36	Oak	Quercus robur	SM	450	7	10	2	3	3	3	3	A	Good vigour	40+		91
37	Oak	Quercus robur	SM	625	5	10	3	7	4	3	3	A	Good vigour	40+	Top blown, cavity on E side.	176
38	Oak	Quercus robur	SM	600	8	10	3	3	6	3	3	A	Good vigour	40+		162
39	Oak	Quercus robur	SM	600	7	10	2	4	6	4	3	A	Good vigour	40+		162
40	Oak	Quercus robur	SM	600	7	10	1	3	3	2	3	A	Good vigour	40+		162
41	Oak	Quercus robur	SM	600	7	10	2	6	6	7	6	A	Good vigour	40+		162

Tree No.	Species (English)	Species (Latin)	Age	Dia (mm)	Ht	Ult Ht	Cr Ht	N	S	E	W	S Cat	Condition	Life Expt	Comments	RPA
42	Oak	Quercus robur	SM	500	8	10	2	3	3	3	3	A	Good vigour	40+		113
43	Oak	Quercus robur	SM	415	8	10	2	3	3	3	3	A	Good vigour	40+	Reduced crown, stag headed.	77
44	Oak	Quercus robur	SM	900	9	12	3	4	4	4	4	B	Reasonable vigour	40+		366
45	Oak	Quercus robur	SM	575	8	10	2	4	3	3	3	B	Poor vigour	40+	Top gone, hollow trunk.	149
46	Oak	Quercus robur	SM	500	8	10	2	3	3	3	4	B	Reasonable vigour	20+		113
47	Oak	Quercus robur	SM	600	6	10	2	4	4	3	4	B	Reasonable vigour	20+		162
48	Oak	Quercus robur	SM	900	9	12	3	6	8	6	6	B	Reasonable vigour	20+		366
49	Oak	Quercus robur	SM	400	5	10	2	3	4	3	3	A	Good vigour	40+		72
50	Oak	Quercus robur	SM	400	6	10	2	3	3	3	3	A	Good vigour	40+		72
51	Oak	Quercus robur	VM	650	11	13	2	4	8	7	4	A	Good vigour	40+		191
52	Oak	Quercus robur	EM	425	6	10	2	3	2	2	2	B	Poor vigour	20+	Top blown.	81

Tree No.	Species (English)	Species (Latin)	Age	Dia (mm)	Ht	Ult Ht	Cr Ht	N	S	E	W	BS Cat	Condition	Life Expt	Comments	RPA
53	Oak	Quercus robur	SM	700	10	12	3	4	5	5	3	A	Good vigour	40+		221
54	Oak	Quercus robur	VM	900	11	13	2	6	6	6	6	A	Good vigour	40+		366
55	Oak	Quercus robur	VM	700	8	10	3	4	4	5	5	A	Good vigour	40+		221

SM= Semi mature; EM=Early mature; M=Mature; OM = Over mature