ADRIAN HOPE
TREE SERVICES

ARBORICULTURAL SURVEY & TREE PROTECTION PLAN

Ref: 14975

LAND AT HAMILTON CLOSE, POWICK

Prepared on behalf of: Powick Parish Council

Prepared by: David Gardner BSc MSc MArborA

Arboricultural ASSOCIATION
Professional Member
Membership No:
PR5336

Arboricultural Survey: Land At (Os 8237 5094) Hamilton Close, Powick
Instructing Party: Powick Parish Council, Guestwick, Suckley, Worcs WR6 5EH
Date: 6th February 2020

CONTENTS

1 Introduction

1.1 This arboricultural survey was undertaken on behalf of Powick Parish Council in order to discharge part (i) of Condition 7 of Malvern Hills District Council planning permission no. 17/01976/FUL.

1.2 To that end, I visited the site on the 17th of December 2019 recording relevant qualitative data in order to assess the condition of the trees present and any constraints they may pose to development in accordance with BS5837: 2012. The weather conditions were overcast with visibility sufficient for the purposes of surveying the subject trees. A full schedule of tree condition is provided within Appendix 1. Works recommended in the interests of sound arboricultural management and which should be undertaken regardless of development proceeding are listed in Appendix 2.

1.3 In order to discharge Condition 8 of Malvern Hills District Council planning permission no. 17/01976/FUL, the location of the trees with the potential to be affected by the proposals, and the constraints they pose, is shown on the Tree Protection Plan in Appendix 3 which also includes the location and specification of protective fencing required.

2 Survey Limitations

2.1 The survey of the trees is of a preliminary nature only and does not assess the degree of risk they may pose.

2.2 The trees were surveyed on the basis of the Visual Tree Assessment (VTA) method as developed by Mattheck and Breloer (1994) and were surveyed from ground level only with no climbing inspections undertaken. It is not always possible to access every tree and as such some measurements may have to be estimated. Where this has been necessary, it will be highlighted in Appendix 1.

2.3 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 based upon the assumption that the trees will be inspected on an annual basis in the future and therefore are only valid for a period of one year.

2.4 This period of validity may be reduced in the case of a change of conditions to or in proximity to the tree. Such changes may include but are not limited to: changes in ground level, tree works, extreme weather events or hydrological changes.

Appendix 1 – Schedule of Tree Condition and Retention Category

Scientific Names

Key:
Age Class:
Y - Young **S-M** – Semi-mature **EM** – Early mature **M** – Mature **OM** – Over mature

Condition:
P = Physiological
Good – no significant health problems
Fair – symptoms of ill health that can be remediated
Poor – significant ill health

S = Structural
Good – no significant defects
Fair – significant defects that can be remediated.
Poor – Significant defects no remedy

Category of retention:
U – Unsuitable for retention regardless of development
A - High quality value
B - Moderate quality value
C - Low quality value

1 – Mainly arboricultural qualities
2 – Mainly landscape qualities
3 – Mainly cultural values, including conservation

RS = Remote Survey Only

Tree ref on plan	Species	Ht (m)	Crown spread (M) NESW	Trunk Dia @ 1.5m (mm)	RPA radius (m)	Ht of lowest branch (M)	Age class	Life expectancy (years)	Physiological and Structural condition. Observations- negative and positive	Category of retention
G1	Elm	6	2222	125	1.5	1	SM	10+	P = Fair S = Fair ▪ Approaching size where they will become susceptible to Dutch elm disease	C2
T2	Poplar	8	3333	200	2.4	1	EM	20+	P = Fair S = Fair	C2
G3	Elm	5	1111	75	0.9	3	SM	20+	P = Fair S = Fair	C2
G4	2 x common ash	10	4444	250	3.0	2	EM	20+	P = Fair S = Fair	C2
T5	Sycamore	8	3333	100	1.2	2	EM	40+	P = Fair S = Fair	C2
T6	Common ash	9	5555	360	4.3	2	EM	20+	P = Fair S = Fair	B/C2
G7	2 x field maple	6	3333	2 x 125	2.1	1	SM	40+	P = Fair S = Fair	C2

Tree ref on plan	Species	Ht (m)	Crown spread (M) NESW	Trunk Dia @ 1.5m (mm)	RPA radius (m)	Ht of lowest branch (M)	Age class	Life expectancy (years)	Physiological and Structural condition. Observations- negative and positive	Category of retention
G8	Field maple & elm	6	1111	75	0.9	2	SM	20+	P = Fair S = Fair	C2
T9	English oak	8	0333	2 x 150 & 2 x 75	2.7	2	EM	20+	P = Fair S = Fair ▪ RS only ▪ Suppressed by T10	B/C2
T10	Field maple	10	5555	4 x 150 & 3 x 75	3.4	2	M	20+	P = Fair S = Fair ▪ RS only ▪ Potential weak union at base	B/C2
T11	Common ash	10	0222	2 x 125	2.1	1	EM	20+	P = Fair S = Fair	C2
T12	English oak	10	8888	650	7.8	2	M	40+	P = Fair S = Fair	B2
T13	Pear	6	2222	200	2.4	3	M	20+	P = Fair S = Fair	B/C2
T14	Common ash	8	4444	165	2.0	2	EM	20+	P = Fair S = Fair	C2

Tree ref on plan	Species	Ht (m)	Crown spread (M) NESW	Trunk Dia @ 1.5m (mm)	RPA radius (m)	Ht of lowest branch (M)	Age class	Life expectancy (years)	Physiological and Structural condition. Observations- negative and positive	Category of retention
G15	Common ash	12	5555	250	3.0	2	EM	10+	P = Fair S = Fair	B/C2
T16	Common lime	9	3333	200	2.4	2	EM	40+	P = Fair S = Fair	C2
T17	Common lime	8	3333	180	2.2	1.5	EM	40+	P = Fair S = Fair	C2
G18	Hawthorn	4	2222	75	0.9	2	EM	40+	P = Fair S = Fair	C2
G19	2 x Norway spruce	10	3333	100	1.2	4	EM	40+	P = Fair S = Fair	C2
T20	Sycamore	10	6666	5 x 150	4.0	4	EM	40+	P = Fair S = Fair	B/C2
T21	Elm	8	2222	150	-	1	EM	-	Standing dead	U
T22	English oak	14	5555	3 x 300	6.2	1	EM	40+	P = Fair S = Fair ▪ Weak unions at trifurcation	B2

Tree ref on plan	Species	Ht (m)	Crown spread (M) NESW	Trunk Dia @ 1.5m (mm)	RPA radius (m)	Ht of lowest branch (M)	Age class	Life expectancy (years)	Physiological and Structural condition. Observations- negative and positive	Category of retention
T23	Poplar	10	4444	2 x 230	3.9	1	EM	20+	P = Fair S = Fair	C2
G24	2 x poplar	10	2222	140	1.7	1	EM	20+	P = Fair S = Fair	C2
T25	London plane	10	4444	180	2.2	2	EM	40+	P = Fair S = Fair	C2
T26	English oak	8	5555	250	3.0	1	EM	40+	P = Fair S = Fair	C2

Appendix 2 – Recommended Tree Works

Tree ref on plan	Species	Category of retention	Observations	Recommended Works
G7	2 x field maple	C2	P = Fair S = Fair	Fell to facilitate development
G8	Field maple & elm	C2	P = Fair S = Fair	Fell to facilitate development
G18	Hawthorn	C2	P = Fair S = Fair	Cut back to provide constructional clearance
T21	Elm	U	Standing dead	Fell to facilitate development **Should be felled within 3 months regardless of development proceeding**

Appendix 3 – Tree Protection Plan

ADRIAN HOPE
TREE SERVICES

Site: Powick Football Club	1:200 @ A1
Drawing Title: Tree Protection Plan	February 2020

Key:

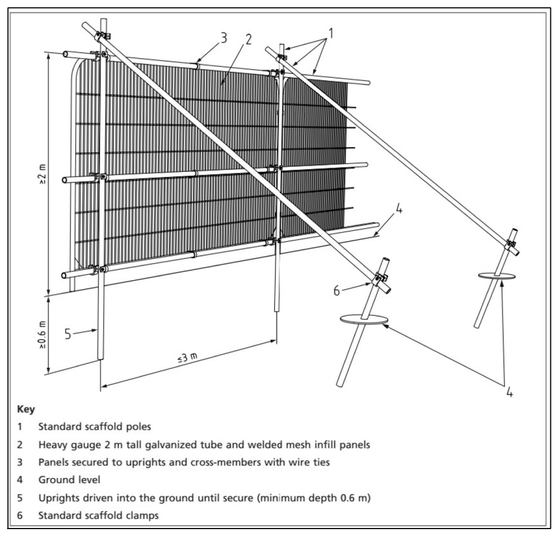
- Category A High Quality
- Category B Moderate Quality
- Category C Low Quality
- Category U Trees Unsuitable for Retention

Category
13 Birch
Root Protection Area
Crown Spread
Tree Number
Species

Tree to be felled to facilitate development

Protective Fencing as per detail below

N



Key
1 Standard scaffold poles
2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
3 Panels secured to uprights and cross-members with wire ties
4 Ground level
5 Uprights driven into the ground until secure (minimum depth 0.6 m)
6 Standard scaffold clamps

T20 Sycamore
G9 Spruce
G18 Hawthorn
T17 Lime
T16 Lime
G15 Ash
T14 Ash
T13 Pear
T12 Oak
T11 Ash
T9 Oak
T10 Maple
T21 Elm
G8 Mixed broadleaves
G7 Maple
T6 Ash
T5 Sycamore
G4 Ash
G3 Elm
T2 Poplar
G1 Elm
T22 Oak
T23 Poplar
G24 Poplar
T25 Plane
T26 Oak

16
15
34
33
14
13
12
11
10
9
8
7
6
5
4
3
2
1

ATTENUATION TANK BELOW ROAD FOR DISPOSAL OF RAINWATER FROM HARD SURFACES

FOUL DRAINAGE TO CONNECT IN TO EXISTING SEWER

EXISTING GRASS VERGE REMOVED. NEW COMBINED CYCLE AND PRESESTRIAN FOOTPATH TO PROVIDE ACCESS TO LINK NURSERIES AND PROPOSED PAVILION

CYCLE STANDS
SOCIAL SPACE
KITCHEN
PLANT ROOM
STORE
HATCH
ENTRY
ENTRY
WC
WC
B.D.A
OFFICIALS CHANGING
STORAGE BIN
CHANGING 1
CHANGING 2
WC
WC
WC
WC
WC
SHOWERS
SHOWERS
STORAGE

RAINWATER HARVESTING TANK

Junior Pitch

SOAKAWAY FOR RAINWATER HARVESTING OVERFLOW

PUBLIC