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ARBORICULTURAL DEVELOPMENT SURVEY

Site address:

Southmere Farm, Langstone Road, Havant

11 July 2018

Ref: ADS18-1004



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Site address: Southmere Farm, Langstone Road, Havant

Instructed by: Claire Ray of Langstone Estates

Prepared by: Thomas Gregory TechArborA

Date: Wednesday, 11 July 2018

Report Ref: ADS18-1004

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1 INTRODUCTION

1.1 SCOPE

I have been instructed by Claire Ray of Langstone Estates to carry out a tree survey on all trees located within the site and those offsite that may influence development and provide advice in respect of arboricultural related planning considerations.

This report has been produced in accordance with British Standard 5837:2012 Trees in relation to design, demolition and construction – Recommendations (BS5837). It is intended to demonstrate the site's arboricultural constraints and assist in the design process. The objective is to assess the trees and other vegetation onsite and provide suitable recommendations regarding the proposal's potential impact on trees and vice versa.

1.2 TREE SURVEY OUTLINE

Visual inspection of the trees within the site boundary was undertaken from ground level using binoculars where necessary. All implicated trees have been given a unique reference number and their position plotted to a survey drawing. A schedule was prepared listing tree number, common name, stem diameter at 1.5m above ground level (or in accordance with Annex C of BS5837), approximate tree height, crown spread (cardinal points), crown clearance and age class. Any specific observations or recommendations with regard to management were also noted.

Each tree was assessed and assigned to one of the following categories:

- Category A: those of high quality and value with an estimated remaining life expectancy of at least 40 years.
- Category B: those of moderate quality and value with an estimated remaining life expectancy of at least 20 years.
- Category C: those of low quality and value with an estimated remaining life expectancy of at least 10 years or young trees with a stem diameter of less than 150mm.
- 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.

In order to avoid damage to the roots or rooting environment of retained trees, the root protection area (RPA) has been calculated for each of the Category A, B and C trees. This is a minimum area around a tree which is deemed to contain sufficient roots and rooting volume to maintain the tree's viability. Protection of the roots and soil structure in this area should be considered a priority. These figures have been calculated using the formulas within Section 4.6 and Annex D of BS5837.

Trees are living, dynamic organisms. Their size, health and overall condition changes as they grow and can be affected by external conditions. For this reason, the arboricultural development survey and any management recommendations given are valid for a period not exceeding one calendar year from the date of issue of this report. No soil test was carried out whilst onsite and so the soil type is unknown.

1.3 STATUTORY TREE PROTECTION

No checks have been made by Plane Arboriculture Limited with the local planning authority in respect of statutory tree protection. It is strongly recommended that the local planning authority is contacted prior to any works being carried out to ensure that the trees are not subject to a Tree Preservation Order (TPO) or that the trees are not situated in a Conservation Area.

2 ARBORICULTURAL DEVELOPMENT SURVEY

2.1 TIME OF SURVEY

The survey was undertaken on the morning of Wednesday 27th June 2018.

2.2 GROUND AND SITE CONDITIONS

The site is currently occupied with a large barn and number of smaller farm buildings. The ground is mostly grassed or concreted. To the south is a large open field, to the west is a stream with a number of trees alongside, to the north is a relatively modern housing estate and to the east is a character property.

The site requires consideration from an arboricultural perspective due to the presence of trees contained within the site.

2.3 TREE ASSESSMENT

A total of three individual trees and one group are located within the site and the objective assessment resulted in BS5837 categories of 'C' and 'U' being attributed to them. There was also one tree located offsite.

They represent little importance from an arboricultural perspective and should not constrain the site layout.

The survey data and site observations have been used to illustrate the site's arboricultural restrictions in the form of a Tree Constraints Plan (TCP) which can be found at Appendix 2.

3 RECOMMENDATIONS

In order to achieve the protection of trees which are suitable for retention, the following needs to be addressed in order to address the potential impact on trees and their environment from the proposed development and vice versa.

3.1 DESIGN AND LAYOUT

The design and layout of the site should aim to incorporate the components of the single offsite tree (crown and rooting area) and provide a suitable level of clearance to allow for its long-term safe retention, i.e. root protection area and crown clearance.

If construction is to take place within the root protection area, it would be strongly recommended that low impact foundations are specified.

4 APPENDICES

4.1 APPENDIX 1 - TREE SURVEY

Survey date:	Surveyor:	Site:	Report reference:
27-Jun-18	Thomas Gregory	Southmere Farm, Langstone Road, Havant	ADS18-1004

Tree reference number	Common Name	Height(m)	Number of Stems	Stem diameter 1 (cm)	Stem diameter 2 (cm)	Stem diameter 3 (cm)	Stem diameter 4 (cm)	Stem diameter 5 (cm)	Canopy Spread N (m)	Canopy Spread S (m)	Canopy Spread E (m)	Canopy Spread W (m)	Height of crown clearance (m)	Age class	Physiological condition	Structural condition	Category grading	Preliminary management recommendations	Notes
1	Elm	12	2	17	17				3	3	3	3	2	Young	Dead	Poor	U	Fell	
2	Elm	14	2	14	28				3	3	3	3	2	Semi-Mature	Fair	Fair	C	Fell	Not likely to live much longer
G3	Elm	8	-	5					2	2	2	2	0	Young	Fair	Fair	C	Fell	Not likely to live much longer
4	Ash	4	2	24	21				2	2	2	2	1	Young	Dead	Poor	U	Fell	Stem diameter measured at 1m
5	Bay	10	2	30	30				3	3	3	3	2	Semi-Mature	Good	Fair	C	n/a	Offsite, Stem diameter estimated

KEY:

Age Class		Physiological Condition		Structural Condition	
Young	tree within first quarter of average life expectancy	Good	no health problems	Good	no structural defects
Early-Mature	tree within second quarter of average life expectancy	Fair	symptoms of health problems that may be easily remedied	Fair	structural defects that may be easily remedied
Semi-Mature	tree within third quarter of average life expectancy	Poor	symptoms of health problems that cannot easily be remedied	Poor	structural defects that cannot realistically be remedied
Mature	tree within final quarter of average life expectancy	Dead	dead		
Over-Mature	tree beyond average life expectancy				

4.2 APPENDIX 2 - TREE CONSTRAINTS PLAN





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Site: Southmere Farm, Langstone	1-250@A3
Drawing Title: Tree Constraints Plan	July 2018

Key:

- Category A
- Category B
- Category C
- Category U

Category

Root Protection Area



Crown Spread

Tree Number

NOTE: Tree/group numbers marked with an * have approximate locations.