



# PLANE ARBORICULTURE LIMITED

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## ARBORICULTURAL IMPACT ASSESSMENT

Site address:

**22 Hillside, Hatherden, Andover, SP11 0HP**

14 November 2023

Ref: AIA22-1004v3



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# ARBORICULTURAL IMPACT STATEMENT

Site address: 22 Hillside, Hatherden, Andover, SP11 0HP

Instructed by: Elsa Vasques Rodrigues of Luke Rose Architect

Prepared by: Thomas Gregory DipArbL4 (ABC) TechArborA

Date: Tuesday, 14 November 2023

Report Ref: AIA22-1004v3

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# 1 INTRODUCTION

## 1.1 SCOPE

I have been instructed by Elsa Vasques Rodrigues of Luke Rose Architect to prepare an Arboricultural Impact Assessment to cover all trees located within the site and those offsite that may influence development and to demonstrate that the proposed development is achievable in arboricultural terms.

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 formal 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 and an application submitted if appropriate. This is to ensure that necessary permissions are sought if required to avoid an offence being committed.

## 2 ARBORICULTURAL DEVELOPMENT SURVEY

The 'Tree Survey Schedule' can be found in 'Appendix 1' and the 'Tree Constraints Plan' can be found in Appendix 2'.

### 2.1 TIME OF SURVEY

The survey was undertaken in the afternoon of Tuesday 15<sup>th</sup> February 2022.

### 2.2 GROUND AND SITE CONDITIONS

The site in question is a residential property accessed via private driveway. The side garden is surrounded by trees and shrubs and consists mostly of lawn.

The site requires consideration from an arboricultural perspective due to the presence of multiple trees located onsite.

### 2.3 TREE ASSESSMENT

A total of 9 individual trees are located on the site and the objective assessment resulted in BS5837 category of 'C' being attributed to them.

The 9 low quality individual trees ('C' and/or 'U' category trees) 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 ARBORICULTURAL IMPACT ASSESSMENT

The 'Arboricultural Impact Assessment Plan' can be found in 'Appendix 3'. In order to achieve the protection of trees which are suitable for retention, the potential impact on trees and their environment from the proposed development should be considered and vice versa.

#### 3.1 DESIGN AND LAYOUT

The design and layout of the site aims to incorporate the components of all category 'C' trees (crown and rooting area) with the exception of those on the front boundary and provides a suitable level of clearance to allow for their long-term safe retention, i.e. root protection area and crown clearance.

However, the new Klargester BioDisc domestic sewage treatment plant is proposed in very close proximity to T4. With this being a low quality individual tree; and being located in the rear garden with limited visibility from the public domain, its loss is unlikely to have a negative impact on local amenity. Measures could be taken to ensure it is suitably protected during the installation of the biodisc, but as the area is already very tight, it may be more appropriate for T4 to be removed.

The development does also provide an opportunity to implement a new landscape scheme with additional tree planting. Four new trees (pleached hornbeam) have already been planted to the rear of the existing property and seven new native trees are proposed: two bird cherry; two silver birch; one field maple; and three hawthorn. The birch and hawthorn planting along the side boundary will form a good screen from neighbouring properties. The hawthorn will provide a dense barrier at low level (approx. 3-4m), whilst the more sparse crown of the birch will restrict views whilst allowing light through.

#### 3.2 UTILITIES AND SERVICES

Any underground services required will need to respect the root protection areas of the retained trees and should be carefully planned to avoid location within the root protection area.

The soakaway and domestic sewerage treatment plant are proposed outside of the root protection areas of retained trees.

#### 3.3 CONSTRUCTION ACTIVITIES

All deliveries, parking, associated vehicle movements, materials storage and handling, and site welfare provision should also respect root protection areas of retained trees.

### 3.4 TREE WORK RECOMMENDATIONS

In the interests of maintaining good quality tree cover and in order to facilitate the development, two trees will be removed, and one more may need to be removed. No further work is considered necessary at this time but should that change, this shall be in accordance with BS3998:2010 Tree Work – Recommendations.

### 3.5 CONCLUSION

I am content that this development is achievable in arboricultural terms subject to various tree protection measures specified and adhered to during the construction process.

I am also content that there is sufficient scope for suitable mitigation planting to overcome the loss of the trees that require removal to facilitate this development.

As the proposals are mostly outside the root protection areas of retained trees, it is expected that a 'Tree Protection Plan' detailing protection measures would be required by planning condition on an approved application, along with a 'Tree Planting Plan' detailing the necessary planting specifications to ensure the successful establishment of the newly planted trees.

## 4 APPENDICES

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#### 4.1 APPENDIX 1 – TREE SURVEY SCHEDULE

<b>Survey date:</b>	<b>Surveyor:</b>	<b>Site:</b>	<b>Report reference:</b>
15-Feb-22	Thomas Gregory	22 Hillside, Hatherden, Andover, SP11 0HP	ADS22-1004

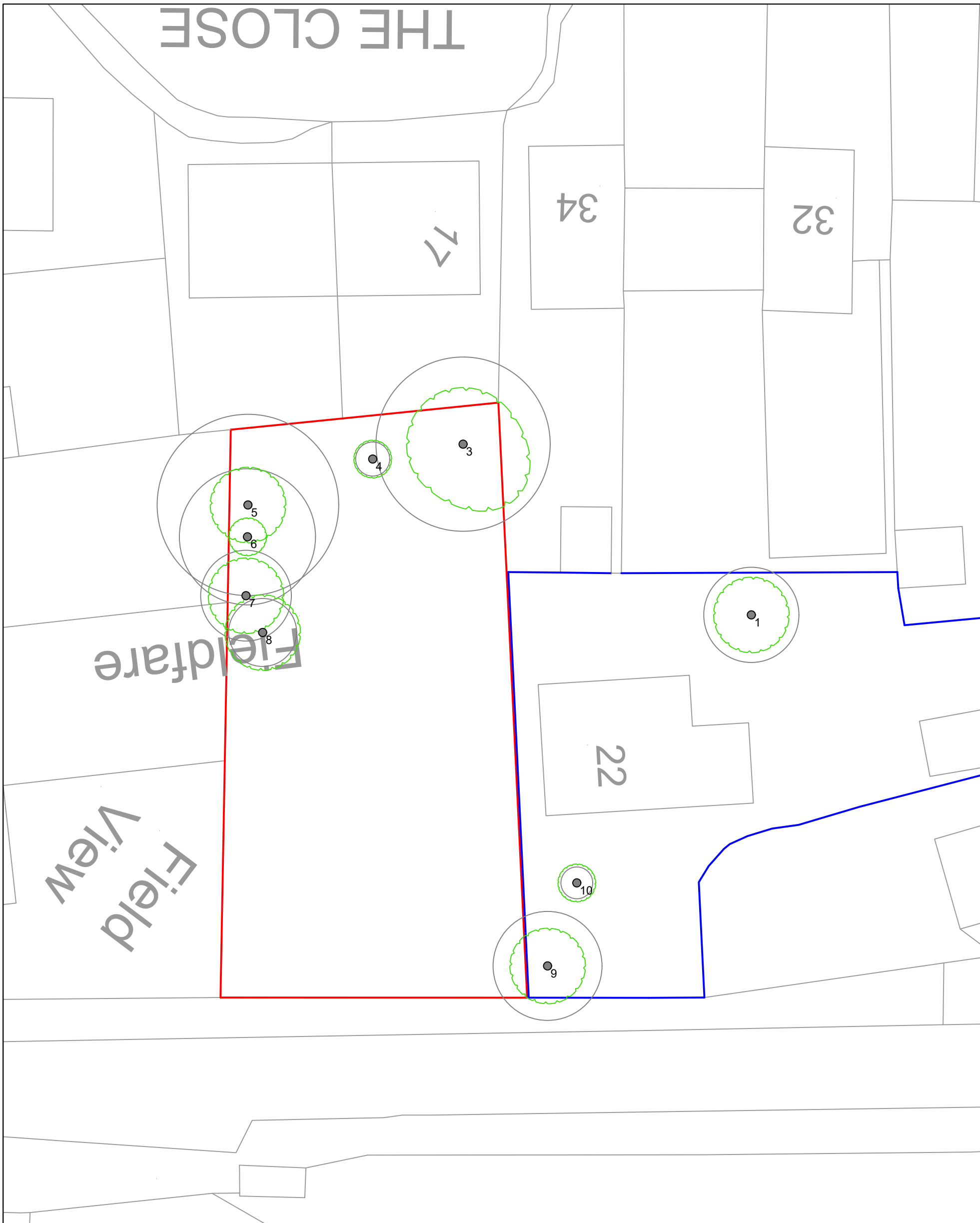
Tree reference number	Common Name	Height (m)	Number of Stems	Stem diameter 1 (cm)	Stem diameter 2 (cm)	Stem diameter 3 (cm)	Stem diameter 4 (cm)	Stem diameter 5 (cm)	Canopy Spread N (m)	Canopy Spread S (m)	Canopy Spread E (m)	Canopy Spread W (m)	Height of crown clearance (m)	Age class	Physiological condition	Structural condition	Category grading	Preliminary management recommendations	Notes
1	Holly	6	1	21					2	2	2	2	2	Early-mature	Fair	Fair	C		
2	Removed																		
3	Rowan	6	5	17	16	14	21	17	4	3	3	3	2	Early-mature	Fair	Fair	C		
4	Oak	4	1	7					1	1	1	1	0	Young	Fair	Fair	C		estimated stem diameter
5	Cypress	6	1	40					2	2	2	2	0	Early-mature	Fair	Fair	C		estimated stem diameter
6	Cypress	4	1	30					1	1	1	1	0	Early-mature	Fair	Fair	C		estimated stem diameter
7	Cypress	8	1	20					2	2	2	2	0	Early-mature	Fair	Fair	C		
8	Birch	5	1	15					2	2	2	2	1	Young	Fair	Fair	C		
9	Cherry	5	1	24					2	2	2	2	2	Early-mature	Fair	Fair	C		
10	Birch	4	1	7					1	1	1	1	0	Young	Fair	Fair	C		

**KEY:**

Height	Canopy Spread	Stem Diameter
Overall height estimated in metres	Canopy spread measured in metres (Cardinal Points)	Measured in centimetres at 1.5m above ground level unless otherwise stated

Age Class	Physiological Condition	Structural Condition
Young	tree within first quarter of average life expectancy	Good
Early-Mature	tree within second quarter of average life expectancy	Fair
Semi-Mature	tree within third quarter of average life expectancy	Poor
Mature	tree within final quarter of average life expectancy	Dead
Over-Mature	tree beyond average life expectancy	

## 4.2 APPENDIX 2 – TREE CONSTRAINTS PLAN



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Site: 22 Hillside, Hatherden, Andover, SP11 0HP 1:200 @ A3

Drawing Title: Tree Constraints Plan Rev A,  
Oct 2023

**Key:**

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

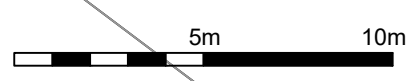
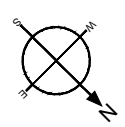
Category

Root Protection Area

Crown Spread

Tree Number

NOTE: Tree/group numbers marked have approximate locations.



#### 4.3 APPENDIX 3 – ARBORICULTURAL IMPACT ASSESSMENT PLAN

