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Arboricultural Report to BS 5837:2012

Site Address:
19 Peacock Street
Scunthorpe
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Report No:
231115

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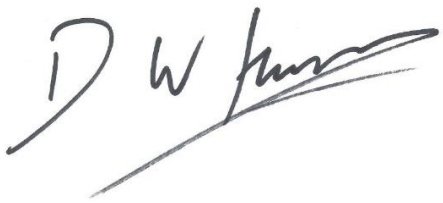

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1. Introduction

1.1. Objective

1.1.1. This report is required to provide detailed, independent, arboricultural advice on the trees present in the context of potential development.

1.1.2. The purpose of this report is to identify and detail the existing vegetation on site, as well as areas where development and trees or hedges have the potential to conflict. In addition, recommendations will be made based on the current context of the site.

1.2. Terms of Reference

1.2.1. We have been commissioned to conduct a tree survey and prepare an arboricultural report for the site. This document and the associated survey adhere to the relevant protocols detailed in BS 5837:2012 Trees in relation to design, demolition and construction – Recommendations.

1.3. Scope

1.3.1. This report is compiled in accordance with BS 5837:2012 'Trees in relation to design, demolition and construction - Recommendations' and is based on an objective assessment of the existing vegetation.

1.3.2. All trees within the survey area with a stem diameter above approximately 75mm are included.

1.3.3. Where applicable trees outside the site boundary, but close enough to be affected by the proposed development, are included.

1.3.4. Preliminary recommendations are given with a view to the long-term management of sustainable tree cover and to uphold the interests of health and safety.

1.4. Methodology

1.4.1. The survey took place on the 14th November 2023. The weather was dry and overcast with light winds.

1.4.2. During the survey, all trees were inspected from ground level. Further investigation, such as climbed inspections or decay detection surveys, have not been undertaken but may be recommended where this is considered appropriate.

1.4.3. Measurements were obtained using clinometers, specialist tapes or electronic distometers. Where this was not possible, measurements were estimated to the best ability of the surveyor. We endeavour to provide accurate information and will always take measurements unless inhibited by restricted access or other mitigating circumstances.

1.4.4. In the absence of a topographical survey a Trimble TDC100 has been used to capture northing and easting coordinates for each tree and key site features. As the stated accuracy of the device is 1-2 meters, tree positions should be considered indicative only. Where a specific design proposal is being considered, trees likely to be in conflict are located to an accuracy of 0.5m with measurements from existing site features.

2. Site Description

2.1. **Current Site Usage**

2.1.1. The site identified for survey are the grounds of a semi-detached residential property on a quiet residential street. The site contains the main dwelling, detached garage, and outdoor amenity space.

2.2. **Treescape & Visual Amenity**

2.2.1. The surrounding residential area is interspersed with a modest number of semi-mature to early-mature trees.

2.2.2. Tree T1 forms a moderate sized green feature when viewed from the immediate surrounding area (see Appendix 4, image 1). This tree forms a modest part of the local treescape, and conveys a low to moderate visual amenity value.

2.2.3. The remining vegetation surveyed is either limited in size or quality, or is largely hidden from public view. These items convey little or no visual amenity value.

2.3. **Topography and Geology**

2.3.1. In general, the site is level and at the time of survey appeared to be well drained.

2.3.2. A desktop investigation was made into local geology using the British Geological Survey's Geology Viewer service. The superficial geology was undefined. The bedrock geology was defined as ironstone.

2.3.3. Where site geology contains significant clay or peat content due consideration must be given in relation to foundation design near retained and removed trees. Failure to do so may lead to subsidence and heave related issues. Where such conditions are deemed a possibility independent expert advice should be sought to better define site geology.

2.4. **Rooting Conditions**

2.4.1. It is acknowledged that root growth is unlikely to follow symmetrical patterns, but will instead favour undeveloped areas that are free from hard-surfacing and subterranean structures. However, given their subterranean nature, it is not possible to accurately predict root architecture. As such the Root Protection Areas of the trees surveyed are shown to be circular and centred on their stems.

3. Legal Designations

3.1. A status investigation was made on 17th November 2023 with North Lincolnshire District Council via their online planning portal. We are informed that there is a Tree Preservation Order (TPO) in force on this site covering tree T1.

3.1.1. Prior to works being carried out on this tree, permission must first be sought from the local authority. Conducting work without permission to a tree subject to a TPO is a criminal offence. This includes intentional or accidental harm to the branches, stem or roots. The removal of dead branches from a living tree is permitted without prior notice or consent.

3.1.2. Trees subject to a TPO have already been identified as being desirable for retention in the landscape. Ordinarily, such trees must be accommodated within any development proposal. The removal of trees

subject to TPO may be agreed upon where their loss is clearly justifiable, or where their condition has deteriorated to such a degree that their retention is no longer desirable.

3.2. An investigation into Conservation Area status was also made. We are informed that the site is not within a Conservation Area.

4. Tree Works in the Current Site Context

4.1. **Overview**

4.1.1. Within the survey, tree works may have been identified for reasons of public safety, to ensure the long-term health of trees, to ascertain the presence of protected species, or for general maintenance purposes. Such recommendations have been made without regard to any projected layout and should be undertaken irrespective of development. These are summarised in the following sections.

4.1.2. For the full details of all vegetation surveyed and recommendations made, please refer to Appendix 1.

4.2. **Tree Removals in the Current Site Context**

4.2.1. No trees require removal in the current site context.

4.3. **Remedial Tree Works in the Current Site Context**

4.3.1. No trees require remedial works in the current site context.

4.4. **Further Inspection in the Current Site Context**

4.4.1. No trees require further inspection in the current site context. It is however advised that all trees are periodically inspected in the interests of general risk management.

Appendix 1: Survey Schedule

Tree ID	Common Name	Maturity	Height (m)	Stem Diameter (mm)	RPA Radius (m)	Crown Spread (m)				Structural Condition	Retention Category	Life Expectancy	Physiological Condition	Comment	Recommendations
						N	E	S	W						
T1	Swedish Whitebeam	Early Mature	8.5	330	4.0	4	4	4	4	Fair / Good	C1	10 to 20 yrs	Poor / Fair	Situated between fence and hedge. Location prevented detailed inspection. Crown height of 2.5m over site. Severe dieback of central crown from apex down to main unions at 2.5m resulting in medium deadwood. Tree otherwise in a reasonable condition.	n/a
H1	A Hedgerow		1.75			0.5	0.5	0.5	0.5	Fair / Good	C2	>40 yrs		Reasonably well managed hedge. Containing privet, hawthorn, lilac, and elder.	n/a
H2	A Hedgerow		3.5			1		1		Fair	C2	>40 yrs		Unmanaged hawthorn hedge with occasional elder. Provides some screening.	n/a

Appendix 2: Retention Categories

Trees Unsuitable for Retention	
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.	• 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). • Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline. • 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. *NOTE Category U trees can have existing or potential conservation value, which it might be desirable to preserve; see [BS5837: 2012]* ***4.5.7***

Tree to be Considered for retention	1 For Arboricultural Reasons	2 For Landscaping Qualities	3 For Cultural Values, Including Conservation
Category A **Trees of high quality** with an estimated remaining life expectancy of at least 40 years.	Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or 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).

Tree to be Considered for retention	1 For Arboricultural Reasons	2 For Landscaping Qualities	3 For Cultural Values, Including Conservation
Category B **Trees of moderate quality** with an estimated remaining life expectancy of at least 20 years.	Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation.	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality.	Trees with material conservation or other cultural value.
Category C **Trees of low quality** with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm.	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 collective landscape value; and/or trees offering low or only temporary/transient landscape benefits.	Trees with no material conservation or other cultural value.

Appendix 3: Guidelines & Limitations

Where trees are inspected for the purposes of risk management recommendations are not intended to eliminate all risk but to mitigate obvious risks of an unacceptable level. This approach is considered reasonable and proportionate when facilitating tree owners and managers in meeting their duty of care.

Recommendations made are based on the current site context and upon other usages brought to our attention prior to the survey. Site usage conditions taken into consideration are detailed in this report. Where these are thought to be inaccurate this must be brought to our attention at the soonest opportunity.

We advise that all trees are inspected with a regularity and level of detail appropriate to site usage. It is also recommended that trees are re-inspected following certain events. These include; severe weather events, significant changes in site usage, and changes that affect wind loading on trees (e.g. removal of neighbouring trees, erection/demolition of buildings).

Tree work recommendations must only be undertaken by suitably experienced and qualified contractors. Such service provides must hold appropriate public liability insurance and work to the British Standard BS 3998:2010 Tree work – Recommendations, or other industry best practice guidelines. During tree work operations any notable defects not identified in this report must be brought to our attention at the soonest opportunity.

Appendix 4: Site Images

Image 1 – T1 with H1 in foreground

Image 2 – H1 with T1 in background

Image 3 – H2

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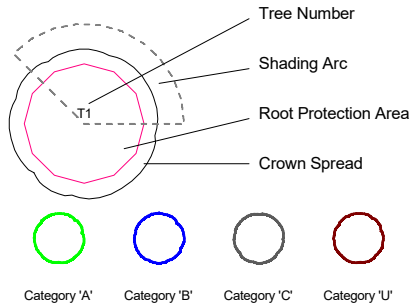
Appendix 5: Constraints Plan

SCALE :	DATE :
1 : 200 @ A4	17/11/2023

MAP FILENAME :
CP - 231115 19PeacockStDN172DX

N



0 12m

T1
C
H1
C
H2
C
19
PEACOCK