OAKFIELD
ARBORICULTURAL SERVICES

Arboricultural Impact Assessment

for

Flint Cottage, Alby Hill,
Aldborough

Stephen Milligan
Dip Arb L4- Tech Arbor A
April 2021

OAS 21-092-AR01

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DISCLAIMER

While all reasonable efforts have been made to identify defects in the subject trees, the statements made in this report do not take into account the effects of extreme weather events, vandalism, accidents or changes to the site that may affect trees that have taken place since the date of the survey. Oakfield Arboricultural Ltd does not accept any responsibility in connection with these factors. The comments and observations made within this report will cease to be valid either within two years of the date of the survey (unless specifically stated elsewhere within the report), or when site conditions change or any works to trees take place that have not been specified within this report, whichever is the sooner.

1.0 Introduction

1.1.1 Oakfield Arboricultural Services were instructed to undertake a tree survey and provide arboricultural advice on the site known as Flint Cottage, Alby Hill, Aldborough to accompany a planning application.

1.1.2 A detailed survey was undertaken in April 2018 in fair weather conditions and was carried out in accordance with BS 5837: 2012 'Trees in Relation to Design, Demolition and Construction – Recommendations'

1.2 Scope of Works

1.2.1 The scope of 'Trees in relations to construction' is to provide recommendations and guidance on how trees and other vegetation may be satisfactorily integrated into construction and development projects. The overall aim of this is to ensure the continued longevity and quality of amenity contribution that trees appropriate for retention and protection provide. This report and its appendices follow precisely the strategy for arboricultural appraisal and input intended to provide councils with evidence that trees have been properly considered throughout the development process.

1.2.2 This is a preliminary assessment from ground level and observations have been made solely from a visual perspective for the purposes of assessment in terms relevant to planning and development. No invasive or other detailed internal decay detection devices have been used in assessing internal conditions.

1.2.3 Any conclusions relate to conditions found at the time of inspection. Any significant alteration to the site that may affect the trees that are present or have a bearing on planning implications (including level changes, hydrological changes, extreme climatic events or other site works) will necessitate a re-assessment of the trees and the site and render any previous advice/ findings invalid.

1.2.4 This is an arboricultural report and no such reliance must be given to comments relating to buildings, engineering, soil or ecological issues.

1.3 Documentation

1.3.1 The following documentation has been made available

- Proposed layout

2.0 Site & Tree Discussion

2.1 Site Description

2.1.1 The site is a private detached dwelling known as Flint Cottage located at the end of a shared private residential road off Alby Hill in Aldborough. The site comprises the main dwelling, outbuildings, access drive, other associated hard paved areas and extensive gardens.

2.2 Tree Discussion

2.2.1 A total of three individual trees and one group of trees have been assessed in detail from ground level by visual means only. The Tree Survey Schedule, at Appendix 2, details the trees in respect of dimension and quality in accordance with the methodology set out in the British Standard 5837:2012. Other trees exist on and adjacent to the site but are too far from any proposed construction to warrant concern

2.2.2 The surveyed vegetation is of native species and with T2 and T3 being located offsite to a neighbouring property. Overall the trees offer little landscape and amenity value due to no public visibility but are in keeping with the wooded nature of the area.

3.0 Development Implication Assessment

3.1 The proposal

3.1.1 The proposal is to redevelop the site with replacement of the original dwelling and the construction of a car part. The proposal will also include the installation of new services.

3.1.2 The proposal will require the removal of T1 to accommodate the car port. The tree, Ash, is in relatively poor condition and it s removal should not be seen as a constraint to the proposal, mitigation can come in the form of replacement planting elsewhere within the site.

3.2 Access

3.2.1 Access sis unencumbered and as such will have no effect on retained trees.

3.3 Demolition

3.3.1 Demolition works are too far from retrained trees to warrant any significant concern.

3.4 Construction

3.4.1 All construction is located away from retained trees therefore no specialist considerations are required with regards to foundation design.

3.5 Cultural implications for retained trees

3.5.1 Tree works due to proximity and or shade are considered low and of no overall concern with future pressure to remove trees unlikely to increase.

3.6 Tree protection

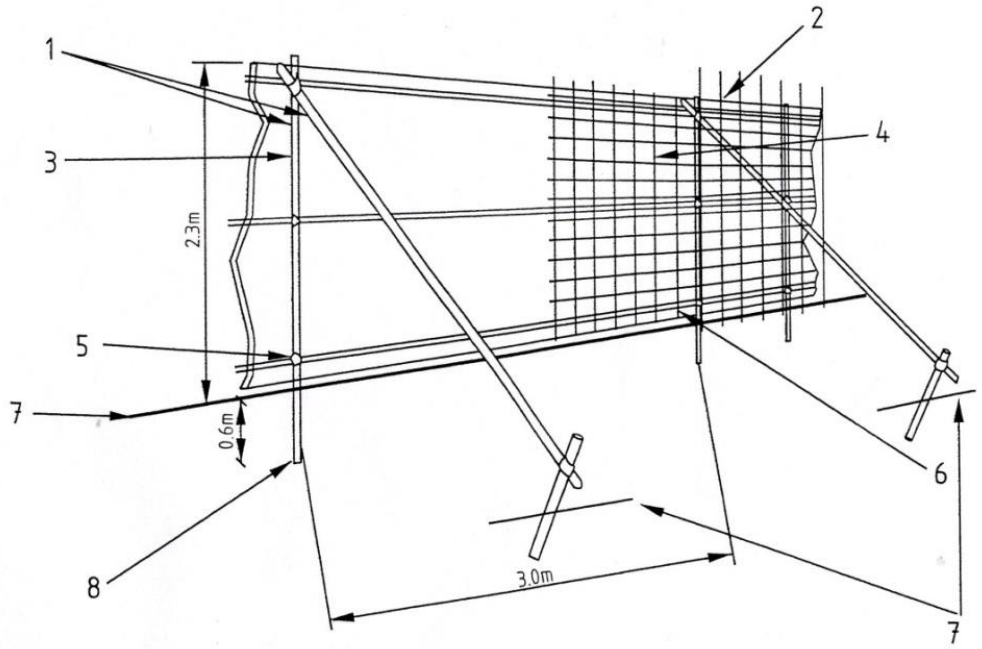
3.7.1 Tree protection fencing will be required to be installed as shown on the Tree Protection Plan OAS 21-092-TS01. Fit for its purpose fencing must be installed post any tree works and before construction begins on site and will remain in situ throughout the construction phase.

4.0 Conclusions

4.1.1 The proposal will require the removal of one individual tree but this would have no significant impact on the sites arboricultural or landscape value to the immediate area.

4.1.2 As long as protection measures as advised, fencing, is installed and maintained during the construction process the proposal will have no material effect on retained trees or to their health and or value.

Appendix 1: Tree Protection Fencing



1 Standard scaffold poles

2 Uprights to be driven into the ground

3 Panels secured to uprights with wire ties and where necessary standard scaffold clamps

4 Weldmesh wired to the uprights and horizontals

5 Standard clamps

6 Wire twisted and secured on inside face of fencing to avoid easy dismantling

7 Ground level

8 Approx. 0.6 m driven into the ground

Figure 2 — Protective barrier

Appendix 2 Tree Survey Schedule

			Canopy Spread													
Tree Ref. No.	Species (Common Name)	Height (m)	N	E	S	W	Grnd Clrnc	DBH (mm)	RPR (cm)	RPA (m)	Age class	Gen Cond	Structural Defects/Comments	Estimated remaining contribution (BS 5837)	BS Cat	BS Sub Cat	Prelim Tree Work Recommendations
T1	Ash	16	4	4	4	4	5	400	480	72.35	MA	F	Poor thin crown.	10+	C	1	Monitor for Ash dieback
T2	Oak	15	5	5	5	5	2	500	600	113.04	MA	F	Offsite. No access to tree	20+	B	1	
T3	Oak	15	5	5	5	5	2	500	600	113.04	MA	F	Offsite. No access to tree	20+	B	1	
G1	Birch, Alder	16	As on plan				1	500	600	113.04	MA	F	Grouping of trees to front of main garden/ driveway area. Some with biomechanical issues overall of fair health	10+	C	1	

Tree Schedule Explanatory Notes

Ref.no	Identifies trees, groups and hedges on the accompanying plan.
Species	Common names are provided to aid wider comprehension.
Height	Describes the approximate height of the tree measured in metres from ground level
Canopy Spread	Indicates the crown radius from the base of the tree in four compass directions, recorded to the nearest metre.
Ground Clearance	Height of crown clearance above adjacent ground in metres.
DBH (mm)	DBH is the diameter of the stem measured in cm at 1.5m from ground level for single stemmed trees or just above root flare for multi-stemmed trees. Stem Diameter may be estimated where access is restricted.
RPR (cm)	Root Protection Radius (RPR) is area required to be protected measured radially from the trunk centre.
RPA (m^2)	Root Protection Area (RPA) is the minimum rooting area in m^2 which should remain undisturbed around each tree.
Age Class	Age of the tree expressed as Y- Young, MA- Middle-Aged, EM- Early Mature, M- Mature or OM- Over-Mature
General Condition	Overall condition of tree expressed as :Good, Fair, Poor, Dead
Structural defects/Comments	May include general comments about growth characteristics, how it is affected by other trees and any previous surgery works. Also specific problems such as dead wood, pests, diseases, broken limbs. Etc
Estimated Remaining Years	Categorised in year bands of less than 10, 10+, 20+, 40+
BS Category	B.S. Cat refers to (BS 5837:2005 Table 1) and refers to tree/overall group quality and value; 'A' - High; 'B' - Moderate; 'C' - Low; 'U' - Remove.
Sub Category	Sub Cat refers to the retention criteria values where 1 is arboricultural, 2 is landscape and 3 is cultural including conservational, historic and commemorative

Appendix 3 Tree Constraints/ Protection Plan

KEY

- T1 — Existing Tree colour referenced in accordance with BS 5837 2005.
- Blue – Cat B Trees of moderate quality and value
- Grey – Cat C Trees of low quality and value
- Root Protection Area as calculated in accordance with BS 5837
- Trees/ groups (part or whole) to be removed
- TPF — Approximate line of protective fencing to be installed and maintained for the duration of construction works.

N

REV.	DATE	INITIALS	DETAILS
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CLIENT – Mr Phillip Watts & Ms. Barbara Russell			DWG. TITLE Tree Constraints/ Protection Plan		
SITE: Flint Cottage, Alby Hill, Aldborough					
DRAWN BY SPM	CHECKED BY SPM	SCALE 1:200 @A1	DATE April 2021	DWG NO. OAS 21-092-TS01	REV. -