OAKFIELD
ARBORICULTURAL SERVICES

Arboricultural Impact Assessment

1 Park Villa, Thornham Parva

OAS 21-338-AR01
January 2022

Whiteheath Cottage,
Whiteheath Road, Bergh Apton,
Norfolk, NR15 1AY
01508 826755
info@oakfieldarb.co.uk

Table of Contents

COPYRIGHT ©

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 Instruction

1.1.1 Oakfield Arboricultural Services were instructed to undertake a tree survey and provide arboricultural advice on the site known as 1 Park Villa, Thornham Parva to accompany a planning application.

1.1.2 A detailed survey was undertaken in December 2021 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 relation 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 carefully 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
- OD data map

2.0 Site & Tree Discussion

2.1 Site Description

2.1.1 The site is associated land with the private dwelling known as 1 Park Villa in Thornham Parva. The site comprises the main dwelling, other attached brick built structures, extensive gardens both to the front and rear and access drive. The site itself is rural in nature with wooded and or open land to the boundaries.

2.2 Tree Discussion

2.2.1 A total of two individual trees have been assessed in detail from ground level by visual means only. The Tree Survey Schedule, at Appendix 1, details the trees in respect of dimension and quality in accordance with the methodology set out in the British Standard 5837:2012. Other trees do exist on and adjacent the site but are too far or too small to warrant any concern.

2.2.2 Both trees are located in a small unmanaged wooded area to the north boundary of the property. T1 Ash is of low value with Ash dieback evident in the crown. T2 is a large Turkey Oak with few faults with overall excellent value in both arboricultural and landscape terms.

3.0 Development Implication Assessment

3.1 The proposal

3.1.1 The proposal is to construct a garage building along the norther boundary in line with the existing driveway and will include all necessary services. The proposal shows thew the garage is not located within the root areas of either tree and will therefore have minimal impact on the health and or retention.

3.2 Access

3.2.1 Access is existing and will therefore have no material effect on the trees.

3.3 Construction

3.3.1 Construction of the garage is outside the root areas of retained trees therefore no specialist considerations are required.

3.3.2 Services area assumed to be existing and connect to existing services via the house and would therefore have no effect on retained trees.

3.4 Cultural implications for retained trees

3.4.1 Tree works due to proximity and or shade are of no concern and the proposal will not lead to an increase in pressure to remove and or undertake works to the trees.

3.5 Tree protection

3.5.1 Tree protection fencing will be required to be installed as shown on the Tree Protection Plan OAS 21-338-TS02. 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. Fencing in minor in its need and given the small scale plastic mesh fencing secured with metal rods will be sufficient.

3.5.2 Access for construction within the RPA is required and will therefore necessitate the installation of ground protection however in this instance the existing driveway is adequate.

4.0 Conclusions

4.1.1 The proposal will have no material effect on the health of the surveyed trees with all construction located outside of the root areas and a such there are no arboricultural concerns.

4.1.2 As long as the fencing is installed as shown for t2 the proposal will have no effect on the trees health and or value.

Appendix 1 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	18	5	6	6	5	4	650	780	191.04	MA	F	Poor form with dieback noted in crown. Located offsite	10+	C	1	
T2	Oak	25	10	15	10	10	5	900	1080	366.25	MA	F	Large specimen with few faults	40+	A	1	

Tree Schedule Explanatory Notes

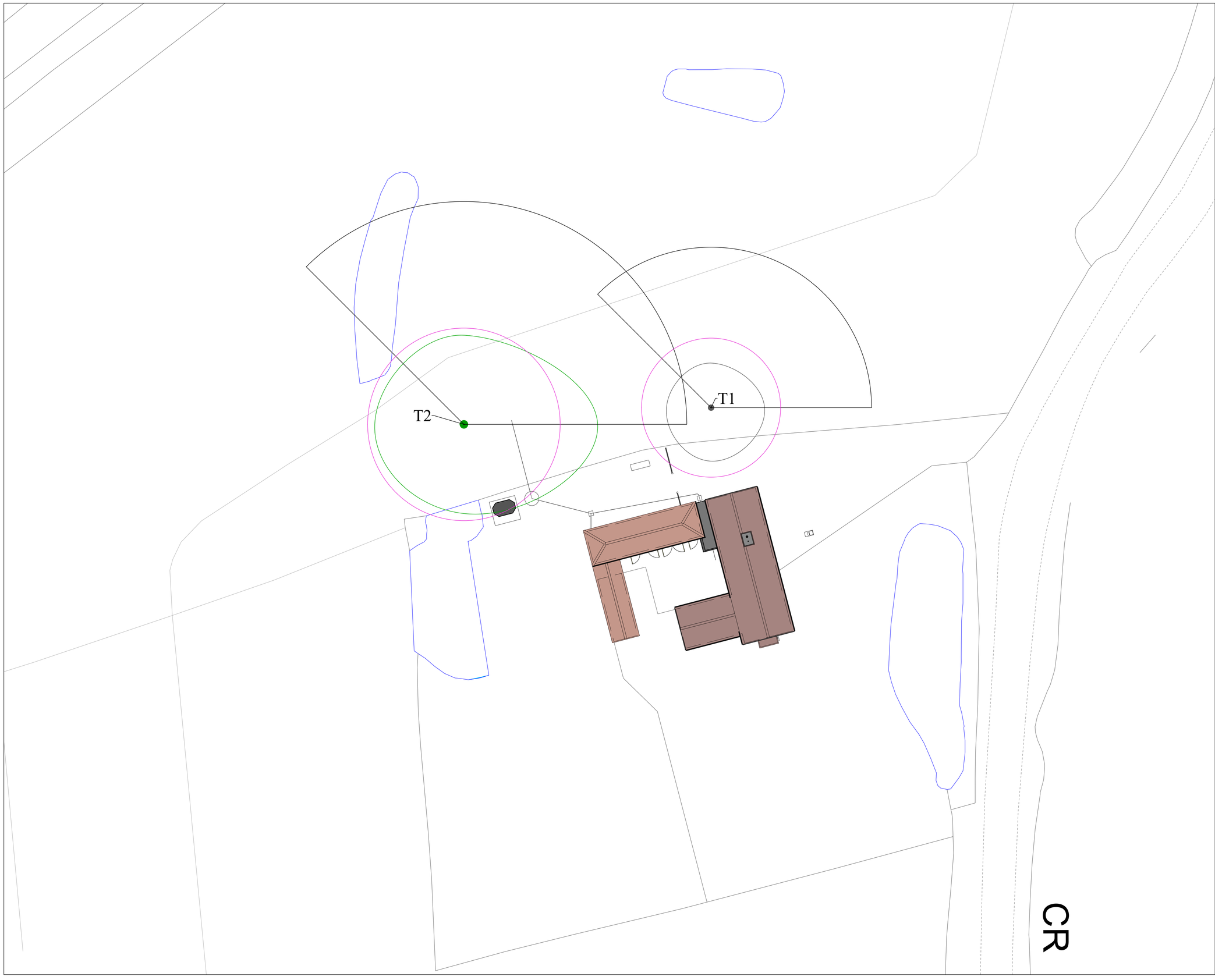
Ref.no	Identifies trees, groups and hedges on the accompanying plan.
Species	Common names are provided to aid wider comprehension.
Height	Describes the approximate height of the tree measured in metres from ground level
Canopy Spread	Indicates the crown radius from the base of the tree in four compass 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 2 Photos

Showing views of proposed garage location

Showing view from year with stem of T1 in background

Appendix 3 Tree Constraints/ Protection Plans



KEY

T1 Existing Tree colour referenced in accordance with BS 5837 2005.

Green – Cat A Trees of high quality and value

Grey – Cat C Trees of low quality and value

Root Protection Area as calculated in accordance with BS 5837

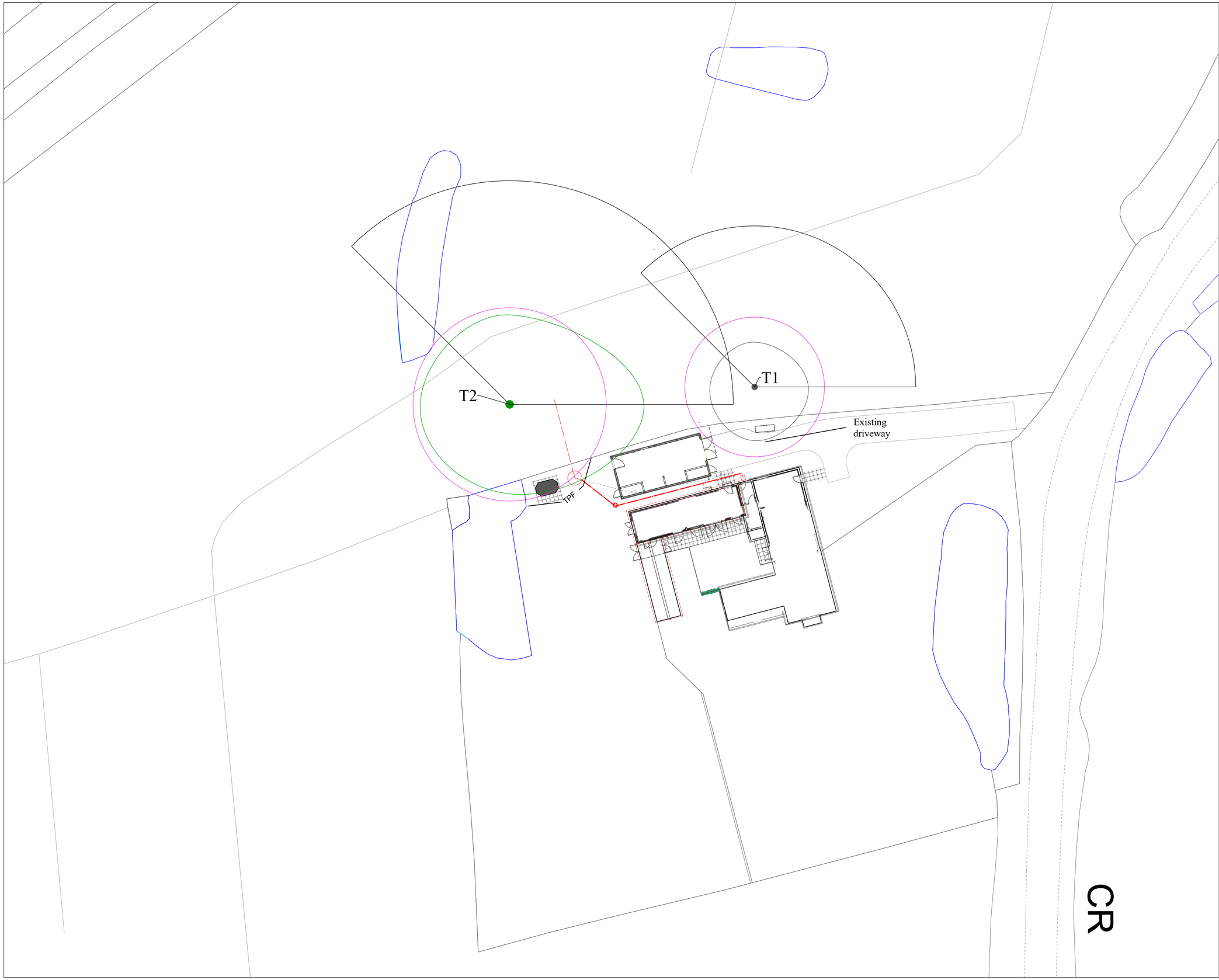
Shade pattern as to BS:5837.

N

REV.	DATE	INITIALS	DETAILS
.	.	.	. .

CLIENT Mr G Hunter			DWG. TITLE Tree Constraints Plan		
SITE: 1 Park Villa, Thornham Parva					
DRAWN BY SPM	CHECKED BY SPM	SCALE 1:200 @A1	DATE Jan 2022	DWG NO. OAS 21-338-TS01	REV. .

CR



KEY

- T1 — Existing Tree colour referenced in accordance with BS 5837 2005.
- Green – Cat A Trees of high quality and value
- Grey – Cat C Trees of low quality and value
- Root Protection Area as calculated in accordance with BS 5837
- Shade pattern as to BS:5837.
- TPF — Approximate line of protective fencing to be installed and maintained for the duration of construction works.

N

REV.	DATE	INITIALS	DETAILS
.	.	.	.

CLIENT Mr G Hunter	DWG. TITLE Tree Protection Plan
SITE: 1 Park Villa, Thornham Parva	

DRAWN BY	CHECKED BY	SCALE	DATE	DWG NO.	REV.
SPM	SPM	1:200 @A1	Jan 2022	OAS 21-338-TS02	.