

ARBORICULTURAL REPORT

Tudor Close, Ferringham Lane,
Ferring, Worthing BN12 5NQ

Prepared by

Jonathan Podwell Cert Arb L4(ABC): TechArborA

May 2021



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Beechdown ref: B/0316/21

Tudor Close – BS 5837 tree survey/report – May 2021

SUMMARY

- » **The quality of 8 trees within influence of a permitted development was assessed.**
- » **An arboricultural impact assessment of the development was prepared.**
- » **Planning permission is for conversion of the existing public house including the erection of two semi-detached bungalows.**
- » **Implementation of the development does not require the removal of any trees so the overall arboricultural characteristics of the site remain unchanged.**
- » **Precautionary measures will be required to protect the retained trees throughout the development process.**

1.0 INTRODUCTION

1.1 I have received instruction from Ben Kirk MSc, of Manorwood, to provide arboricultural consultancy services with regard to conditionally permitted planning consent for conversion of the Tudor Close public house, Ferringham Lane, Ferring, Worthing BN12 5NQ.

1.2 The purpose of the instruction was to:

- » **Prepare an arboricultural report to discharge conditions at schedule 6 of Application Ref: FG/105/20/PL.**

1.3 **Schedule 6** states that "*Prior to the commencement of development details shall be submitted which shall be approved by the Local Planning Authority to ensure that the trees on and adjacent to the site shall be protected by the applicant employing the services of an Arboricultural Consultant to carry out a tree survey exercise and then prepare an Arboricultural Impact Assessment (AIA) which must be inclusive of; a 'Tree Survey Schedule', a 'Root Protection Area (RPA) Schedule' and a 'Tree*

Constraints Plan' - with the trees accurately plotted on same. In the event that the RPA of any tree which is proposed for retention overlaps the development then BS5837:2012 requires an Arboricultural Method Statement (AMS) and also most importantly a Tree Protection Plan - to both describe and illustrate the mitigation measures which are to be employed to ensure that the trees survive without detriment to their vigour and vitality and are given adequate protection both above and below ground."

2.0 DOCUMENTS PROVIDED

2.1 Drawings prepared by Clive Voller Associates:

3932-01	Site, block & location plans as existing	1:200, 1:500, 1:1250 @A1
3932-C4	Proposed block plan	1:500 @A1

3.0 SURVEY FORMAT

- 3.1 Trees included in the survey were those with the potential to be affected by the permitted development and with a stem diameter, at 1.5m high, greater than 75mm. The trees were inspected from the ground only and no specialist decay detection was undertaken. Trees were assessed from within the site or from public areas.
- 3.2 The tree identification numbers used are for the purpose of this report and may not reflect numbering used in previous surveys or Tree Preservation Orders.
- 3.3 Data was recorded on a handheld computer, the individual trees plotted via GPS and their positions marked on the 1:300 @ A3 tree survey plan (Appendix 4).
- 3.4 A detailed tree survey sheet is shown as Appendix 1 with an explanation of the terms and categories covered as Appendix 2.
- 3.5 The extent of the survey was limited to collecting sufficient data to inform upon the feasibility of the proposed development, it was not a detailed tree hazard or risk assessment and, unless specified, no guarantee, expressed or implied, can be given regarding the safety of the trees or their suitability for safe long-term retention.

4.0 GRADING CATEGORIES

- 4.1 The quality of the surveyed trees was assessed and they were categorised to reflect the criteria recommended in Table 1 of BS 5837:2012 as detailed at Appendix 3.
- 4.2 The following is a breakdown of the number of trees in each BS category:

Category U	0 trees
Category A	0 trees
Category B	6 trees
Category C	2 trees

5.0 STATUTORY CONTROLS

- 5.1 Consultation with the Local Planning Authority confirmed the application site is not within a designated Conservation Area but that recorded trees may be subject to Tree Preservation Order number **TPO/FG/3/06**.

6.0 PERMITTED DEVELOPMENT

- 6.1 Planning permission is for conversion of the existing public house including the erection of two semi-detached bungalows.

7.0 SITE DESCRIPTION

- 7.1 The Tudor Close is a detached one and two-storey brick and flint building set in broadly level grounds of around 2000m² (**Fig.1 overleaf**). A narrow grass verge separates the car-park at the front of the building from Ferringham Way to the north while the hard-surfaced driveway to the larger car-park at the rear of the building also gives access to the rear of Ocean Parade and to private dwellings at Garden Park beyond the southern boundary. Close board and picket fences extend along the south and west boundaries with buildings in Ocean Parade forming the eastern boundary.
- 7.2 The Tudor Close is in a suburban location with individual trees or small groups as roadside planting, in domestic settings and as amenity landscape features in parks and recreation grounds.

- 7.3 The site geology is recorded as New Pit Chalk Formation chalk sedimentary bedrock while the superficial geology is described by the National Soils Resources Institute as a freely draining, slightly acid loamy soil. No detailed analysis of the soil structure, composition or pH was undertaken and these details should not be relied on for design purposes.



Fig. 1 – Microsoft product screen shot reprinted with permission from Microsoft Corporation

8.0 TREE SURVEY

- 8.1 Trees **T1-T5** were in the private grounds of Garden Park, the maple (**T7**) was in the garden of 12 Ferringham Lane with the remaining trees in the grounds of Tudor Close.

9.0 TREE APPRAISAL

- 9.1 Individual tree details and comments are listed in the appended BS 5837 survey schedule detailed at **Appendix 1**.

10.0 BELOW GROUND CONSTRAINTS – ROOT PROTECTION AREA (RPA)

- 10.1 Section 3.7 of BS 5837: 2012 states that – *“The Root Protection Area (RPA) is a layout design tool indicating the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's viability, and where the protection of the roots and soil structure is treated as a priority. ”*
- 10.2 The RPA calculations have been produced using the information gathered from the tree survey and section 4.6.1 of BS 5837:2012. This indicates the RPA in m² and the minimum required all round radial distances for rooting zone protection and allows a view to be taken as to whether the trees can be retained safely without undue damage to their root systems. The RPA calculations are detailed in the appended tree survey and the initial dimensions marked on the 1:300 @ A3 RPA and shade plan (Appendix 5).
- 10.3 Tree root morphology can be affected by numerous factors; availability of water, aeration, soil type, temperature and structure, compacted or impervious surfaces and proximity to buildings and other structures all affect the way roots develop and although the RPAs are marked on the plan as uniform polygons the actual root systems will be far more irregular. Root mapping or hand excavation under arboricultural supervision could determine whether significant roots extend beyond the RPAs and require greater protection in relation to construction or whether it may be possible to develop within the RPA without a negative impact on the rooting environment.
- 10.4 Impermeable hard surfacing at the base of the majority of the recorded trees, and representing a uniform constraint to root development, means the nominal RPAs shown at Appendix 5 are probably a fair representation; however, root development may be a little more extensive in unsurfaced ground to the south and west of the car-park.

11.0 ABOVE GROUND CONSTRAINTS

- 11.1 Consideration should be given to the effects that the current tree size, future growth potential, shade levels and leaf and fruit nuisance may have on the proposed development. Tree height

and crown spread measurements are detailed in the appended tree survey; the crown spread of the trees and the shadow pattern through the main part of the day is indicated on the 1:300 @ A3 RPA and shade plan (Appendix 5).

12.0 COMMENT

- 12.1 The 1:300 @ A3 development plan (Appendix 6) shows that construction of the semi-detached bungalows impacts on around 17% of the nominal RPA of the birch (**T3**) and 30% of the RPA of the tree of heaven (**T4**) but that none of the other recorded trees are affected.
- 12.2 Neither the birch or the tree of heaven are particularly prominent trees in the local landscape and if they were within the site boundary their loss could probably be mitigated by new planting elsewhere in the grounds; however, they are off-site trees and have to be considered for long-term retention.
- 12.3 It is difficult to accurately assess the rooting area of trees, particularly when there are hard or impermeable surfaces to contend with. In this case, the nominal RPAs of the birch (**T3**) and tree of heaven (**T4**) extend into the area of permitted development in the car-park of the Tudor Close. Root development is limited by the mechanical strength of compacted soils and may be significantly reduced or curtailed completely depending on the soil's bulk density and mechanical resistance. Fine moisture-absorbing roots may be present immediately beneath the tarmac but think that ground conditions unfavourable to root development make this a possible rather than probable outcome.
- 12.4 In principle I do not consider that strip foundations should not be considered an option because of possible incursion into the RPA. As long as the car-park surface is retained *in situ* as ground protection and initial excavation for the foundations within the nominal RPA is carried out under arboricultural supervision it will be simple to determine whether strip foundations can be used or whether the risk of potential root damage is too great and an alternative foundation type may be required.
- 12.5 One or two small-diameter lateral branches extend over the boundary from Garden Park – at around 4m above ground level – but acceptable minor pruning, with Local Planning Authority consent and reference to current industry guidelines detailed in BS

3998:2010 British Standards Tree work – Recommendations will allow the development to proceed and the trees to remain. The tree of heaven can attain large proportions and **T4** may not be ideally suited to this location but there is unlikely to be any greater pressure for future removal due to the new bungalows rather than for the existing surrounding dwellings.

13.0 CONCLUSION

13.1 With appropriate precautionary measures I consider the permitted development at Tudor Close feasible, in relation to the surveyed trees, for the following reasons:

- » **Implementation of the development does not require the removal of any trees so the overall arboricultural characteristics of the site remain unchanged.**
- » **I do not consider current or future growth of the retained trees to have a significant impact on the development proposal or to lead to increased future pressure for removal or unsympathetic pruning.**
- » **The use of protective barriers, precautionary measures and arboricultural supervision and monitoring will prevent damage and potentially negative effects on the current and long-term health of the trees.**

14.0 DETAILS

14.1 Date of tree survey - 7th May 2021

14.2 Present at tree survey - Alan Flemington AA Tech Cert

14.3 Date of report - 12th May 2021

14.4 Contact details:

CONTACT	NAME	DETAILS
Local Planning Authority	Arun District Council	

Architects	Manorwood
Arboricultural Consultants	Beechdown Arboriculture Ltd



References

Roberts, J. Jackson, N. Smith, M. (2006). *Tree Roots in the Built Environment*. The Stationery Office
BSI British Standards (2012) *BS 5837:2012 Trees in relation to demolition and construction – Recommendations, Fourth (Present) Edition*. BSI

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12th May 2021

ARBORICULTURAL METHOD STATEMENT

The arboricultural method statement includes the following plans:

Appendix 7	1:300@A3	Tree protection plan showing position of: ♦ trees to be retained with a continuous outline.
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15.0 PROTECTIVE BARRIERS AND CONSTRUCTION EXCLUSION ZONE.

- 15.1 Prior to the commencement of construction work and before any machinery or materials are brought onto the site, protective barriers, marked as a light purple broken line on the tree protection plan (Appendix 7), must be erected, around the vulnerable Root Protection Area (RPA) to create a construction exclusion zone beyond the working area – limited to the small area of unsurfaced ground at the base of the sycamore (**T6**) in the south-west corner.
- 15.2 The construction exclusion zone, shown as light green horizontal hatching on the tree protection plan, will be afforded protection at all times during the development process; strictly no access, construction activities, mixing materials or storage will be allowed.
- 15.3 The barriers will have weather proof signs attached stating that it is protecting a **construction exclusion zone** and that **no works are permitted** beyond the barrier; the protective barrier should remain in place for the duration of the development process.
- 15.4 The protective barriers should be positioned in accordance with the tree protection plans and would typically be constructed as per figure 2 of BS 5837:2012 (shown at Appendix 8) and consist of a vertical and horizontal scaffold framework, well braced to resist impacts with vertical tubes spaced at a maximum interval of 3m and driven securely into the ground and onto which weld mesh panels would be fixed with wire or scaffold clamps. In this case, with hard surfacing extending over the vast majority of the site and limited scope for ground anchoring, Heras type fence panels mounted on a block tray, constructed similarly to figure 3 b) of BS 5837:2012 will provide an appropriate barrier.

16.0 GROUND PROTECTION

- 16.1 With the exception of the front verge and the south-west corner of the grounds the entire site is hard-surfaced. The existing hard surface will provide appropriate ground protection where RPAs extend into the site and will allow plant and machinery to work safely.
- 16.2 Removal of hard-standing, if at all, should wait until there is no further need for ground protection during site activity. Where tree roots may be present the removal should be undertaken using hand tools or plant, under arboricultural supervision, working backwards and using the remaining hardstanding as ground protection.

17.0 FOUNDATION CONSTRUCTION WITHIN OR ADJACENT TO RPA

- 17.1 Foundation depth should be determined by the architect or a structural engineer and with reference to NHBC Chapter 4.2 – Building near trees.
- 17.2 Initial excavation should be undertaken under arboricultural supervision. If roots are encountered during excavation -
- ❖ Careful use of hand tools will avoid bark damage of retained roots at the edge of the foundation if present;
 - ❖ exposed roots or fibrous root masses that are to be retained should be immediately covered – with hessian or similar - to prevent drying;
 - ❖ individual roots less than 25mm diameter that need to be removed should be cleanly severed, with secateurs or a pruning saw, far enough back from the edge of the foundation (>100mm) that the effects of uncured cement do not impact tree health;
 - ❖ the project arboriculturalist will determine whether it is possible to sever roots greater than 25mm diameter or whether bridging with a lintel may be necessary;
 - ❖ use of impermeable membranes to line the excavations before the concrete is poured will help prevent damage by the alkaline properties of cement.

18.0 INFRASTRUCTURE REQUIREMENTS

- 18.1 Undisclosed siting of service runs, above ground services, CCTV cameras, electrical sub-stations, refuse stores, lighting and other infrastructure requirements can lead to unnecessary tree pruning or root loss during or post development. Should any infrastructure

requirements become necessary post planning their design should be discussed with the project arboriculturalist and, if necessary, the permission of the local planning authority obtained.

19.0 ADDITIONAL PRECAUTIONS

- 19.1 No storage or mixing of materials to take place within the construction exclusion zone or in the ground protected RPA.
- 19.2 No storage or mixing of materials will take place in any location where they may leak into the construction exclusion zone or RPA.
- 19.3 Materials which may contaminate the soil will not be discharged within 10m of the tree stems or mixed in any location where gradients allow contaminants to run towards RPAs.

20.0 SUPERVISION AND MONITORING

- 20.1 It will be the responsibility of the main contractor to ensure that any conditions attached to the planning consent are adhered to at all times and that a monitoring regime with regard to tree protection on site is adopted.
- 20.2 An arboriculturalist should be appointed to monitor tree protection measures and address any arboricultural issues that may arise.
- 20.3 The project arboriculturalist should mark the positions of the protective barriers and inspect them once erected and prior to site work commencing.
- 20.4 In addition to any scheduled supervision, regular site visits to inspect the protective barriers may be required. Frequency of the visits is dependent on the progress of the development but should take place every two to four weeks of continuous site activity.
- 20.5 A copy of a site visit and arboricultural supervision record is shown at Appendix 9.
- 20.6 A copy of an arboricultural monitoring record is shown at Appendix 10.
- 20.7 The main contractor will be responsible for ensuring subcontractors comply with the arboricultural method statement and do not

undertake any operation that is likely to impact adversely upon any tree on site.

- 20.8 The main contractor will ensure that the build sequence is appropriate to ensure that no damage occurs to the trees during the development process.

21.0 SEQUENCE OF EVENTS

- 21.1 Sequence of tree protection measures in relation to phases of development.

Site meeting	Project arboriculturalist to discuss tree protection measures with architect/developer and local authority arboricultural officer.
Protective barriers	Installation of protective barriers prior to construction.
Monitoring	Arboricultural monitoring every two to four weeks of continuous site activity.
Protective barriers	Removal of protective barriers on completion of development proposal.

- 21.2 Should circumstances arise where unscheduled work may impact upon trees or tree protection the work should cease until the project arboriculturalist has been consulted and the local planning authority arboricultural officer informed.

BS5837:2012 Tree Survey

Beechdown Arboriculture Ltd

Client: Manorwood
 Project: Tudor Close
 Survey Date: 07/05/2021
 Surveyor: Alan Flemington AA Tech Cert

Club Cottage, Top Road
 Slindon
 Arundel
 West Sussex
 BN18 0RP

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations			Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment			
T1												Estimated Measurements	
Hawthorn	5	1	300	N	2	2	SM	A: 40.7	Fair	C: Fair			B.1
Crataegus monogyna				E	3	2		R: 3.59		S: Fair			20 to 40 yrs
				S	2	2				B: Fair			
				W	1	2							
T2												Estimated Measurements	
Silver Birch	3	1	100	N	2	1.5	Y	A: 4.5	Fair	C: Fair			C.1
Betula pendula				E	2	1.5		R: 1.19		S: Fair			20 to 40 yrs
				S	2	1.5				B: Fair			
				W	1	1.5							
T3												Estimated Measurements	
Silver Birch	5	1	220	N	3	2	SM	A: 21.9	Fair	C: Fair			B.1
Betula pendula				E	3	1.5		R: 2.64		S: Fair			20 to 40 yrs
				S	2	2				B: Fair			
				W	2	2							
T4												Estimated Measurements	
Tree of Heaven	6	1	350	N	3	4	SM	A: 55.4	Fair	C: Fair			B.1
Ailanthus altissima				E	3	4		R: 4.19		S: Fair			20 to 40 yrs
				S	3	3				B: Fair			
				W	3	3							
Age Classifications: N Newly planted EM Early Mature Condition: C Crown													
	Y Young		M Mature					S Stem			Stems: Ø Diameter		
	SM Semi-mature		OM Over Mature					B Basal area			ERC: Estimated Remaining Contributio		
(Eq) Equivalent stem diameter using BS5837:2012 definition													

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
T5										Estimated Measurements		
Pissards Plum <i>Prunus atropurpurea</i>	4.5	1	190	N	2	2	SM	A: 16.3 R: 2.27	Fair	C: Fair S: Fair B: Fair		B.1 20 to 40 yrs
T6												
Sycamore <i>Acer pseudoplatanus</i>	17	2	842 (Eq)	N	7	3	SM	A: 320.9 R: 10.1	Fair	C: Fair S: Fair B: Fair		B.1 >40 yrs
T7										Estimated Measurements		
Maple <i>Acer Spp.</i>	3	1	200	N	2	1		A: 18.1 R: 2.4	Fair	C: Fair S: B:		B.1 20 to 40 yrs
T8												
Silver Birch <i>Betula pendula</i>	3.5	1	80	N	1	1	Y	A: 2.9 R: 0.96	Fair	C: Fair S: Fair B: Fair		C.1 20 to 40 yrs

Appendix 2 – tree survey definition of terms

<u>Category</u>	<u>Definition</u>
Tree ID/tag	Identification number and/or tree tag number.
Species	Common and/or scientific name.
Height	To the nearest 0.5m below 10m; to the nearest 1m above 10m.
Ø/No. of stems	Stem diameter measured at 1.5m or equivalent with reference to Annex C of BS5837:2012.
First branch	Height above ground level and direction of first significant branch.
Crown spread	Measured at the cardinal points in metres.
Canopy height/clearance	Crown clearance in metres above ground level at the cardinal points.
RPA	Root protection area (m ²) and length of radial protection (m).
Age class	Young Less than approximately 10 years old.
	Semi-mature Less than 1/5 of typical life expectancy.
	Mature Between 1/5 and 5/5 of typical life expectancy.
	Over-mature Tree having reached its maximum life span and declining in health and size.
	Veteran A tree that is of interest biologically, aesthetically or culturally because of its age, size or condition.
Structural/physiological condition	General condition of tree crown, stem and basal area structure and form - assessed as:
	Good Good form, structure and vitality; no apparent signs of decay, structural weakness, decline in health, pests or diseases.
	Fair Moderate form and structure.

Beechdown ref: B/0316/21

Tudor Close – BS 5837 tree survey/report – May 2021

Appendix 2 – tree survey definition of terms

	Poor	Poor form or structure; significant decay, structural weakness or decline in vitality.
BS 5837 category (Cat)	BS grading category described in detail at appendix 3.	
ERC	Estimated remaining contribution.	

Trees unsuitable for retention

Category	Definition
Category U	Trees 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 – shown in dark red on plans.

Trees to be considered for retention

Category	Definition
Category A	Trees of high quality with an estimated remaining life expectancy of at least 40 years - shown in light green on plans. <u>1 - Mainly arboricultural qualities</u> – trees that are good examples of their species, especially if rare or unusual; or those that are essential components of groups, formal or semi-formal arboricultural features. <u>2 - Mainly landscape qualities</u> – trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features. <u>3 - Mainly cultural values, including conservation</u> – trees, groups or woodlands of significant conservation, historical, commemorative or other value.
Category B	Trees of moderate quality with an estimated life expectancy of at least 20 years - shown in mid blue on plans. <u>1 - Mainly arboricultural qualities</u> – trees that might be included in category A but are downgraded because of impaired condition (e.g. presence of significant but remediable defects) to the extent that they are unlikely to be suitable for retention beyond 40 years; or trees lacking the particular quality necessary for category A designation. <u>2 - Mainly landscape qualities</u> – trees present in numbers, usually growing as groups or woodlands, that attract a higher collective rating than they might as individuals; or groups of trees situated so as to make little visual contribution to the wider locality.

Appendix 3 – BS 5837 grading categories

	<u>3 - Mainly cultural values, including conservation</u> – trees with material conservation or other cultural values.
Category C	Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter under 150mm - shown in grey on plans.
	<u>1 - Mainly arboricultural qualities</u> – unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories.
	<u>2 - Mainly landscape qualities</u> – 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 landscape benefits.
	<u>3 - Mainly cultural values, including conservation</u> – trees with no material conservation or other cultural values.

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Tudor Close

Appendix 4 - tree survey plan

SCALE :

1 : 300

@ A3

DATE :

12/05/2021

N



Beechdown ref: B/0316/21

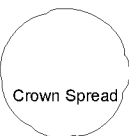
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Key:

Site boundary



Crown Spread



Root Protection Area



Shading Arc



Category 'A'



Category 'B'



Category 'C'



Category 'U'

0



25m

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Tudor Close

Appendix 5 - RPA & shade plan

SCALE :

1 : 300

@ A3

DATE :

12/05/2021

Beechdown ref: B/0316/21

Tudor Close - BS5837 tree survey/report May 2021



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Ferringham Lane

T8
C

The Tudor Close

T7
B

T1
B

T2
T3 C
B

Garden Park

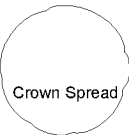
T4
B

T5
B

T6
B

Key:

Site boundary



Crown Spread



Root Protection Area



Shading Arc



Category 'A'



Category 'B'



Category 'C'



Category 'U'

0



25m

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Tudor Close

Appendix 6 - Development plan

SCALE :

1 : 300

@ A3

DATE :

12/05/2021

N



Beechdown ref: B/0316/21

Tudor Close - BS5837 tree survey/report May 2021

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Ferringham Lane

T8
C

The Tudor Close

T7
B

T1
B

T2
T3 C
B

Garden Park

T4
B

T5
B

T6
B

Key:

 Single-storey extension

 Combined RPA

 Site boundary

Beechdown Arboriculture Ltd

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Tudor Close

Appendix 7 - Tree protection plan

SCALE :

1 : 300

@ A3

DATE :

12/05/2021

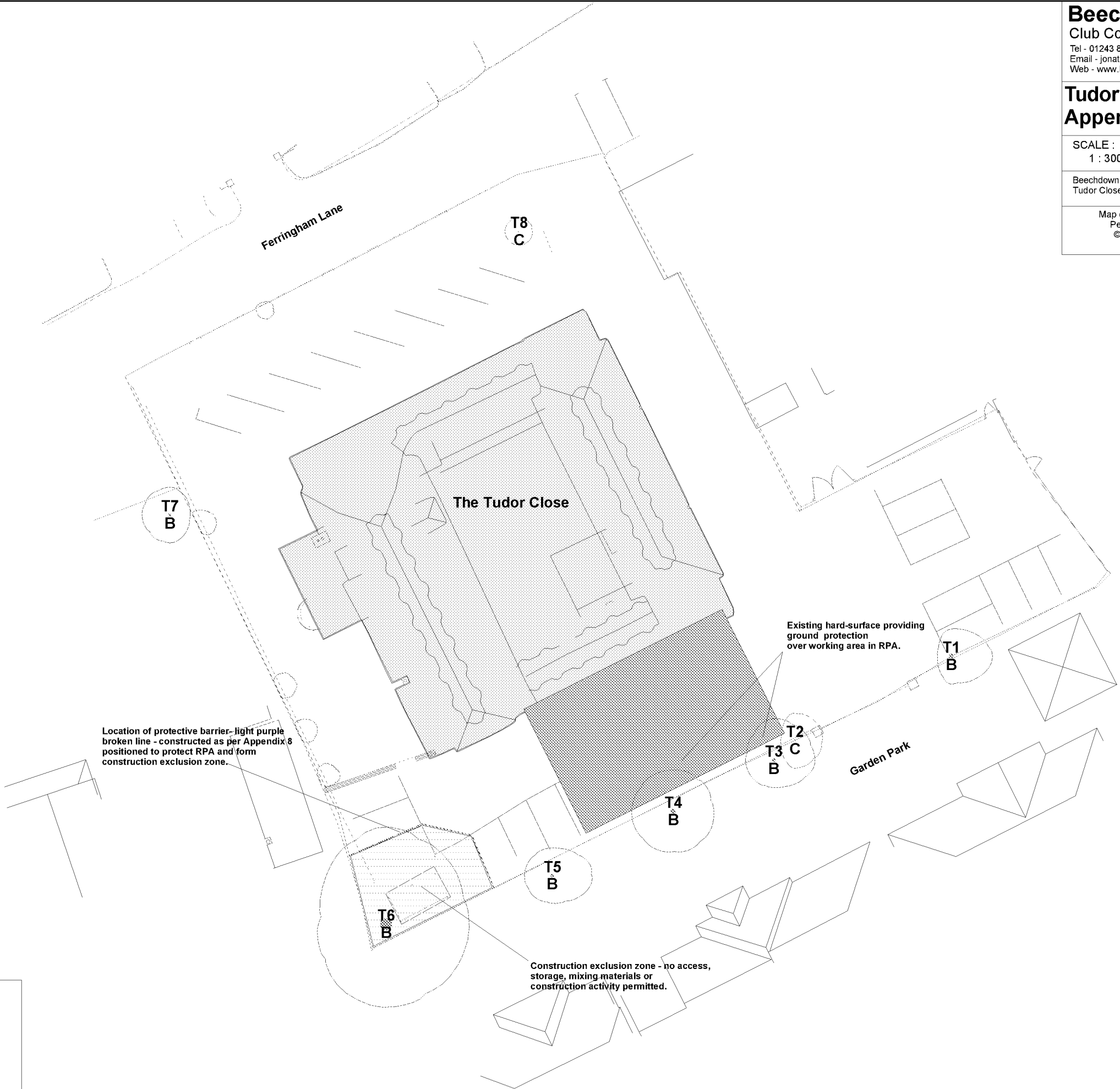
N



Beechdown ref: B/0316/21

Tudor Close - BS5837 tree survey/report May 2021

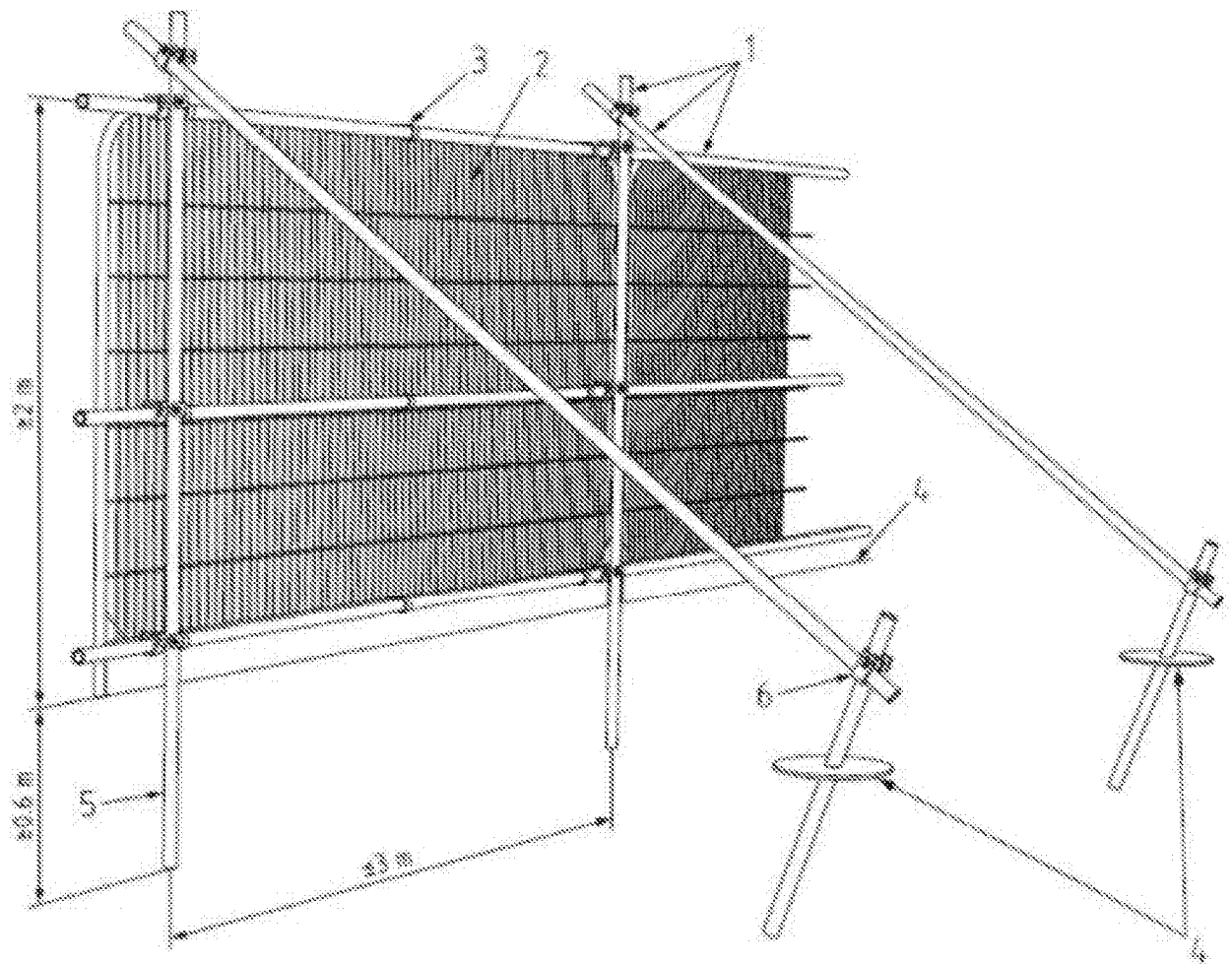
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Key:

-  Single-storey extension
-  Construction exclusion zone
-  Site boundary
-  Protective barrier

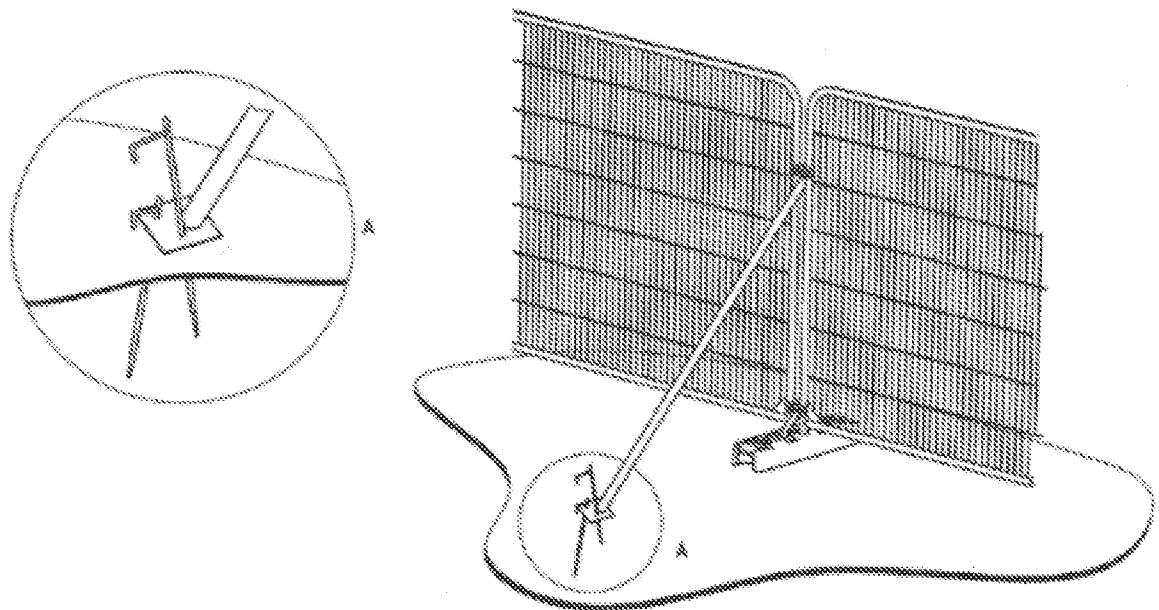
Appendix 8 – Protective Barrier



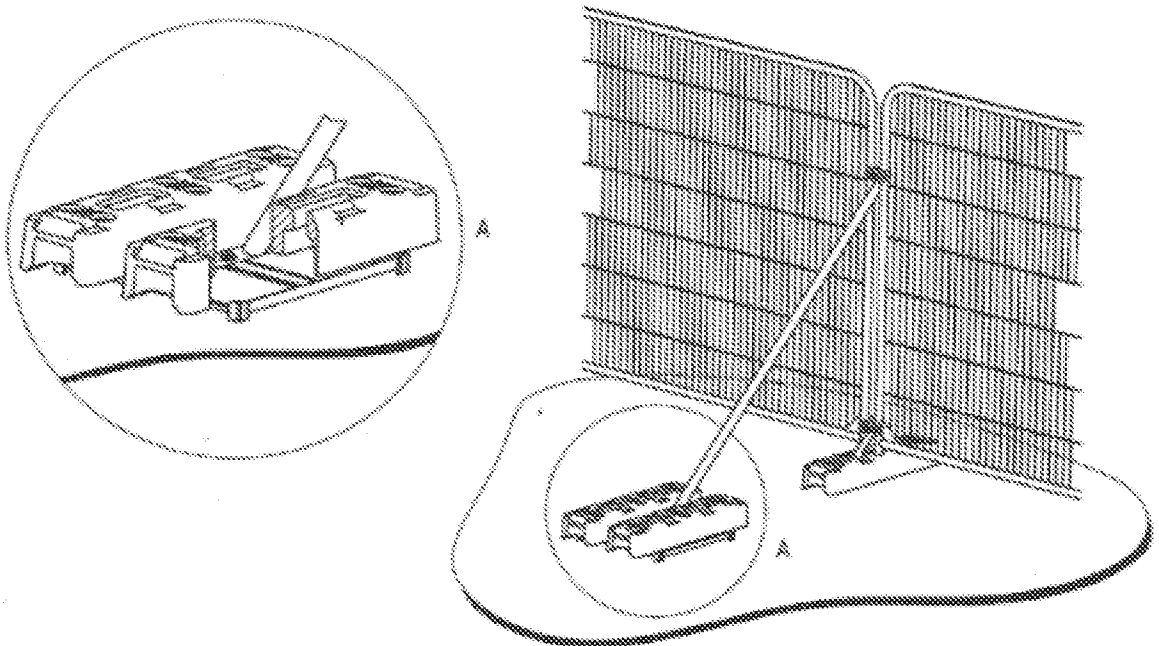
Key

- 1 Standard scaffold poles
- 2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
- 3 Panels secured to uprights and cross-members with wire ties
- 4 Ground level
- 5 Uprights driven into the ground until secure (minimum depth 0.6 m)
- 6 Standard scaffold clamps

Default specification for protective barrier as per Figure 2 of BS 5837:2012 *Trees in relation to demolition and construction – Recommendations, Fourth (Present) Edition*. BSI



a) Stabilizer strut with base plate secured with ground pins



b) Stabilizer strut mounted on block tray

Examples of above-ground stabilising systems as per Figure 3 of BS 5837:2012 *Trees in relation to demolition and construction – Recommendations, Fourth (Present) Edition*. BSI

Appendix 9 - Record of Site Visits and Arboricultural Supervision

Client	Manorwood	Location	Tudor Close public house, Ferringham Lane, Ferring, Worthing BN12 5NQ.
Local planning authority	Arun District Council		
Planning application	FG/105/20/PL		
Development	Conversion of the existing public house including the erection of two semi-detached bungalows.		

Stage of development	Action required
Pre-construction	Mark position of protective barrier forming construction exclusion zone.

Notes	
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Arboriculturalist	
Signed	
Date	

NOTE - COPY OF COMPLETED FORM TO BE SCANNED AND SENT TO LPA ARBORICULTURAL OFFICER

Beechdown ref: B/0316/21
Tudor Close -- BS 5837 tree survey/report -- May 2021

Appendix 9 - Record of Site Visits and Arboricultural Supervision

Client	Manorwood	Location	Tudor Close public house, Ferringham Lane, Ferring, Worthing BN12 5NQ.
Local planning authority	Arun District Council		
Planning application	FG/105/20/PL		
Development	Conversion of the existing public house including the erection of two semi-detached bungalows.		

Stage of development	Action required
Pre-construction	Site visit to check position of protective barrier prior to construction activity.

Notes:	
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Arboriculturalist	
Signed	
Date	

NOTE - COPY OF COMPLETED FORM TO BE SCANNED AND SENT TO LPA ARBORICULTURAL OFFICER

Beechdown ref: B/0316/21
Tudor Close -- BS 5837 tree survey/report -- May 2021

Appendix 9 - Record of Site Visits and Arboricultural Supervision

Client	Manorwood	Location	Tudor Close public house, Ferringham Lane, Ferring, Worthing BN12 5NQ.
Local planning authority	Arun District Council		
Planning application	FG/105/20/PL		
Development	Conversion of the existing public house including the erection of two semi-detached bungalows.		

Stage of development	Action required
Pre-construction	Supervision of excavation for foundations within nominal RPA.

Notes	
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Arboriculturalist	
Signed	
Date	

Beechdown ref: B/0316/21
Tudor Close -- BS 5837 tree survey/report -- May 2021

Appendix 10 - Arboricultural Monitoring Form

Client	Manorwood	Location	Tudor Close public house, Ferringham Lane, Ferring, Worthing BN12 5NQ.
Local planning authority	Arun District Council		
Planning application	FG/105/20/PL		
Development	Conversion of the existing public house including the erection of two semi-detached bungalows.		

Area inspected	Comments	Action required
Protective barriers		
Construction exclusion zone		
Site storage/material mixing		
Other		
Additional Comments		

Arboriculturalist	
Signed	
Date	

NOTE - COPY OF COMPLETED FORM TO BE SCANNED AND SENT TO LPA ARBORICULTURAL OFFICER

Beechdown ref: B/0316/21
Tudor Close – BS 5837 tree survey/report – May 2021