



56a Furze Hill Road,
Headley Down

Tree Report – BS5837

Ben Clutterbuck *HND Arb, M Arbor A*

Date: 22/02/2019

Revision:

Ref:

CLIENT: Mr & Mrs Hughes

INSPECTION DATE:

SITE ADDRESS: 56a Furze Hill Road, Headley down

INSPECTED BY: Ben Clutterbuck *HND Arb, M Arbor A*

ADDRESS: Transform Landscapes Ltd.
Penally Farm, Hewshott Lane, Liphook
Hampshire GU30 7SS

TELEPHONE: Office: 01428 652222

WEATHER CONDITIONS:

INSPECTION TYPE: The inspection was done visually from ground level only. The internal and underground condition of the trees was not assessed. The aerial parts of the trees were observed by eye.

SOIL: No soil samples were taken

CAVEATS:

Trees are living, self-optimising organisms and their condition can change in response to the environment around them. Although our survey remarks and observations refer to the tree when inspected on that date, it is not a full Arboricultural condition inspection.

All trees have been inspected from the ground. No climbing inspection or decay detection has been performed.

Where trees on the site are heavily Ivy clad or surrounded by heavy vegetation a full assessment of structural, stem or base integrity cannot be completed.

Brief

Undertake tree survey to produce a BS5837 tree impact assessment, Tree Constraints Plan (TCP) and Tree Protection Plan (TPP).

1. Site

The site is a pair of detached-houses, that are around 10 years old. They were constructed as an infill development.

The site is constrained by a number of mature Pine trees that are within the garden of the subject property and surrounding gardens.

2. The Proposal

The proposal is to add a small single store extension to the rear of the property. The proposed building will replace the existing paved area of the garden.

3. General - Tree Comments and Observation

The back section of the garden contains a number of mature and semi-mature Pines, they have developed as a group and are a nice landscape feature. As with any group of these trees, all the trees have pushed up to get light and therefore they are all tall and thin. The current edge trees do have some lower canopy branches, however it is likely that there was another row of trees previously removed.

For the propose of this survey, I have only surveyed the front line of trees, the RPA of these trees will project from the closest to the property. Therefore, by protecting this front line of trees the ones behind will be protected.

The tree closest to the property is T7. This is pollarded and is now maintained by hedge cut tree. It therefore has a constrained canopy and by association limited root development.

A summary of that survey is:

Grade	Number
A	0
B	0
C	11
U	0

4. Root Protection Area

The RPAs have been shown as open grown as outlined in BS5837, therefore circular.

The proposed new dwelling projection overlaps the projected RPA of T7. As stated in the tree condition, the projection of rooting area using the BS5837 calculation is unlikely to be a true reflection of the trees RPA because of the management.

The Tree Constraints Plan does show a small overlap in the constructed area and a larger amount of the RPA requiring ground protection during the construction.

5. Tree Protection

Fencing and ground protection will be installed as shown on the tree protection plan.

5.1. Protective Fencing

The specification of the fence as recommended in BS5837:2012 has been included below as Appendix 2.

The fencing must be installed prior to work commencement on site.

All fencing must be confirmed as present and correct via photograph or a site visit from the Arboricultural consultant, this confirmation can be made available to the Local Authority Tree Officer on request.

5.2. Ground protection

The area shown for ground protection is minor, it should be boarded in line with the recommendations.

6.2.3.3 New temporary ground protection should be capable of supporting any traffic entering or using the site without being distorted or causing compaction of underlying soil.

NOTE The ground protection might comprise one of the following:

- a) for pedestrian movements only, a single thickness of scaffold boards placed either on top of a driven scaffold frame, so as to form a suspended walkway, or on top of a compression-resistant layer (e.g. 100 mm depth of woodchip), laid onto a geotextile membrane;*
- b) for pedestrian-operated plant up to a gross weight of 2 t, proprietary, inter-linked ground protection boards placed on top of a compression-resistant layer (e.g. 150 mm depth of woodchip), laid onto a geotextile membrane;*
- c) for wheeled or tracked construction traffic exceeding 2 t gross weight, an alternative system (e.g. proprietary systems or pre-cast reinforced concrete slabs) to an engineering specification designed in conjunction with arboricultural advice, to accommodate the likely loading to which it will be subjected.*

6. Conclusion

The house and the proposed scheme are both some distance from the trees of significance in the property.

The access to the rear for machinery and equipment may need to be revised depending on the size of the machines that will be used. This could be agreed in a pre-commencement meeting. At present, access has been shown between the houses and therefore keeps all traffic away from the neighbours' trees on the other side of the house.

The impact on the RPA of T7 should not be ignored. However, given the condition and management of the tree and with ground protection in place throughout the works, I do not feel that the scheme will be detrimental to the tree.



Appendix 1:

Tree survey results

SURVEY AND TREE DETAILS:

The table below shows the BS5837:2012 tree category grading, as shown in the last column of the survey sheet.

- A - Those of high quality and value identified as Green on site plans
- B - Those of moderate quality and value
- C - Those of low quality and value
- U - Trees for removal due to sound Arboricultural management.

Subsections are listed as 1, 2 and 3 for each Category and detailed as:

- 1 Mainly Arboricultural Value
- 2 Mainly Landscape Values
- 3 Mainly Cultural values including conservation.

BS 5837 survey schedule - 56a Furze Hill Road

Tree Ref No.	Species	Height (m)	Stem Diameter (mm)	Branch spread				Crown Clearance	Age Class	Con.	Condition comments	Preliminary Management Recommendations	Estimated remaining con.	Cat. Grade	RPA - radius measurement	RPA
				North	East	South	West									
1	Pine	22	500	1	3	3	2	10	M	A			40yrs plus	B	6	113
2	Pine	20	420	2	2	2	2	10	M	A			10-20yrs	C	5.1	81
3	Pine	22	390	2	2	2	2	10	M	A			less than 10yr	U	4.8	72
4	Holly (group)	5	110x10	5	5	5	5	1	SM	A	Group of Holly's provide dense sub-canopy layer		20-40yrs	B	1.5	7
5	Pine	22	430	1	1	3	3	7	M	A	Off-site tree.		10-20yrs	C	5.4	92
6	Pine	22	400*	3	3	3	3	7	M		Off-site tree.		less than 10yr	U	4.8	72
7	Holly	4	190	1	1	1	1	4	SM	A	Pollard and timed as shaped bush		10-20yrs	C	2.4	18
8	Holly	3	230	0	0	0	0	0	SM	P	Stump only		10-20yrs	C	3	28
9	Pine	22	520*	2	3	4	3	5	M	A	Off-site tree.		20-40yrs	B	6.3	124
10	Birch	15	490	3	3	3	3	4	M	A			10-20yrs	C	6	113
11	Birch	12	230	2	2	2	2	4	M	A			10-20yrs	C	3	28

The Root Protection area figures shown in the table above are the round up figures taken from BS5837:2012 – Annex D

* marks off site trees with estimated stem diameters.



Appendix 2:

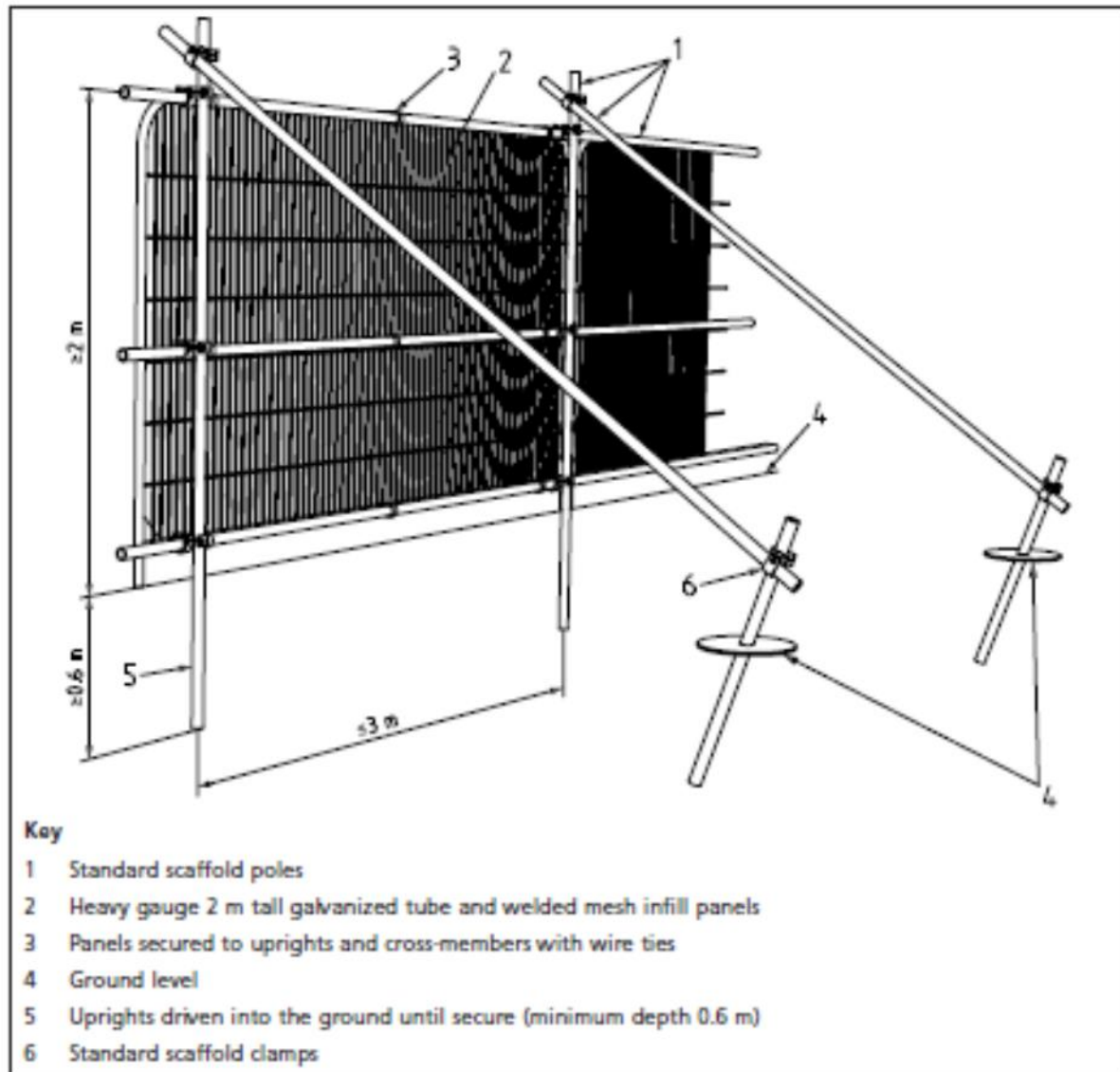
Tree Protective Fence specification from BS5837:2012

BS5837:2012 – Trees in relation to design, demolition and construction – Recommendations

Root Protection Area – Protective Fencing

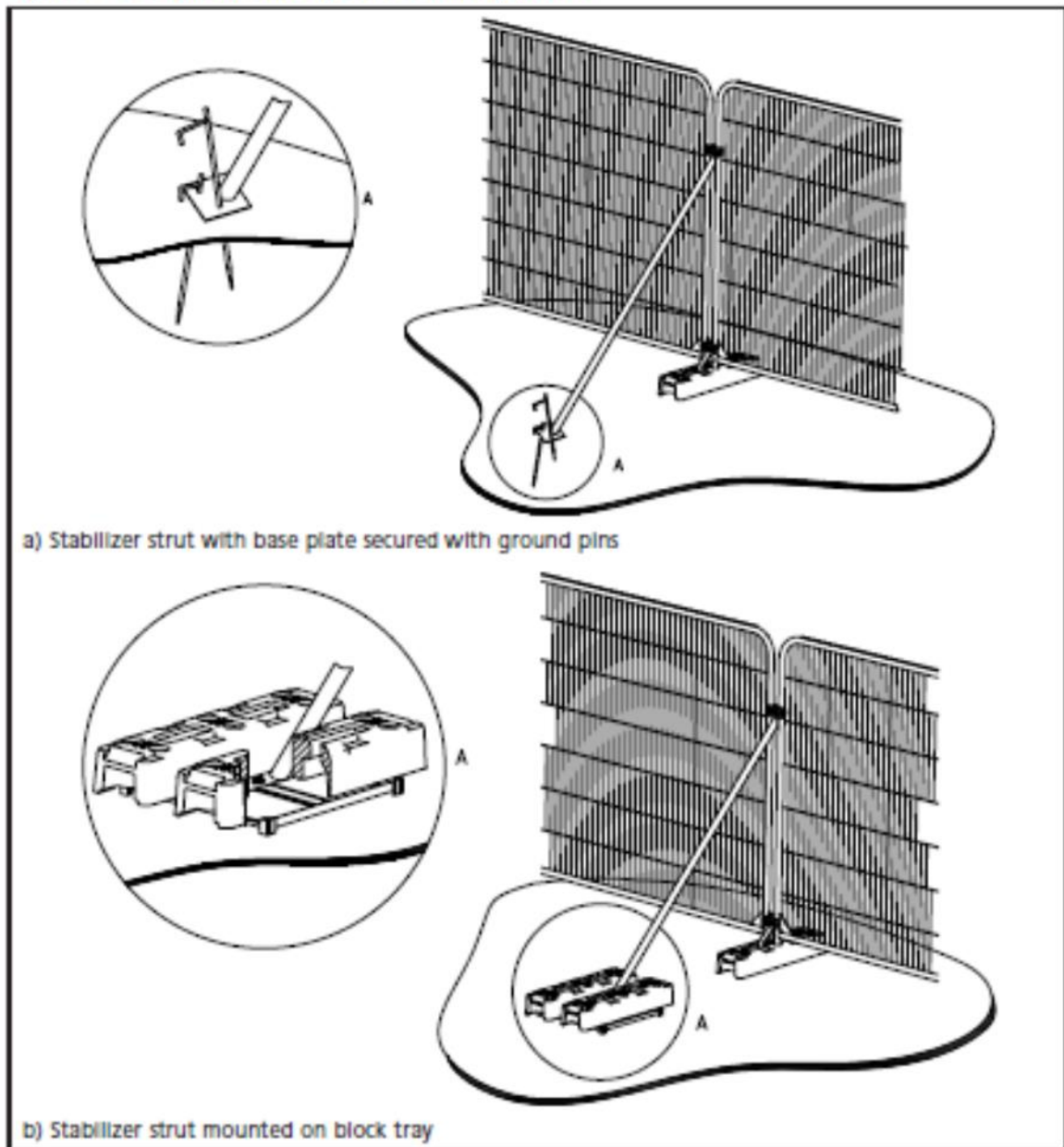
Diagrams lifted from the BS5837:2012.

Figure 2 Default specification for protective barrier



This fencing construction can be used where scaffold poles can be knocked into the ground without damage to the rooting system.

Figure 3 Examples of above-ground stabilizing systems



This type of fencing is to be used in situations where the installation of scaffold poles is likely to cause damage to the rooting system.



Appendix 3:

Site supervision monitoring sheet

Site reporting sheet

Site: _____ **Date:** _____

Inspector: _____

Site representative: _____

Project stage:

	<u>Yes</u>	<u>No</u>
Tree protection plan and Method statement available		
Comments:		
Tree protection fencing in place as per plan		
Comments:		
Signs on protective fencing		
Comments:		

General site comments:

Photographs taken: