

BS 5837 tree report for: Lleine Farm, Cynwyl Elfed.

This survey has been carried out with reference to: Common sense risk management of trees produced by National tree safety group 2011, and BS 5837-2012: Trees in relation to design, demolition, and construction. Please note that this report is only valid at the time of inspection, and does not take into account accidental harm, severe weather, pests and diseases that will effect changes to the trees and hedges within the surveyed area.

South Pembrokeshire Woodlands Ltd, formally Tree Solutions has been trading for 19 years. In that time has built up a good working relationship with the tree officers at Pembrokeshire Country Council, and Pembrokeshire Coast National Park Authority to provide appropriate ways of resolving tree related issues to meet the legislative requirements of the relevant authority, and to fulfil the legal duties of the landowner.

I hold a current Lantra Professional Tree Inspector qualification.

Due to my dyslexia, what makes sense to me, does not always make sense to 'normal' people. I won't be offended if something doesn't make sense, please let me know, and I will try and clarify.

Hedge one (see tree plan)				
Species	Mixed species		Age Class	Young mature
Average Stem diameter	8cm		Physiological Condition	Good
Branch spread	N: m	S: m	Structural condition	Good
	E: 50cm	W: 50cm		
Hedge height	1m		Remaining years	>40
Category grading: C2 (see page nine of BS 5837-2012 for definition)				

Preliminary recommendations: This is a reasonable example of a young mature hedge, that provides a natural backdrop, and screening from the road.

Therefore this hedge should be retained.

Below ground constraints: The RPA for this hedge will extend 0.96m from the centre of the hedge line, see annex one for formula. To facilitate the new site entrance, part of this hedge will have to be removed. Where the hedge is removed, any exposed roots must be neatly cut, and the exposed soil within the retained hedge RPA covered with hessian or similar to prevent root desiccation. This hessian must be regularly watered during spells of dry weather.

Above ground constraints: None

Arboricultural implications assessment:

- All pre-construction pruning work to be carried out to BS 3998.
- Once any top soil has been removed; any exposed roots with have to be covered with hessian or similar, and kept damp until they can be recovered.
- A clearly defined barrier such as orange mesh barrier securely fixed to the ground with road pins during construction as per BS 1722-18; this barrier must be along the hedge perimeter RPA before construction starts. This barrier must be no less than 1m in height.

Annex one.

The formula for working out the Root Protection Area RPA, as per 4.6.1 of BS 5837 2012:

RPA = A circle with a radius of 12 times the stem diameter.

As per 4.6.2 of BS 5837 2012:

The centre of the RPA circle should be centred on the base of the tree.

	Tree diameter (cm)	RPA (cm)	RPA (m)	RPA area (m2)
Hedge one	8	96	0.96	3