

BASIC TREE SURVEY

No.	SPECIES	Height (m)	Stem Dia. (cm)	Crown Spread NSEW	Age	Estimated life expect.	Comments	BS Cat.
T1.	Laurus nobilis	3-4	MS	1.7, 2.1, 1.7, 1.8	SM	10+	Healthy spreading multi-stemmed shrub/tree allowed to continually shoot from base with minimal if any removal of shoots	C
T2.	Betula pendula	10	45cm	4.2, 4, 5.5, 5.5	SM	10+	Healthy tree but conflicts with proposals	B
T3	Fraxinus excelsior	2.5	10 cms	2, 2, 2, 2	Y	10+	Seedling growing in flower bed	U
T4	Chamaecyparis lawsoniana	4	20-30cm	1.5-1.7m depth	SM	10+	Boundary hedge to remain	C
T5	Malus sp.	7	30cm	3.5,2.3,3.5	SM	10+	Poor maintenance and suppressed by boundary hedge	C

TREE REPORT: Survey, Arboricultural Impact Assessment and Arboricultural Method Statement

Instruction:
To identify the arboricultural impact on development proposals and prepare tree protection information in accordance with BS5837:2012 for the duration of demolition and construction works at 3 The Orchards in order to discharge the Tree Protection condition required by the LPA

Scope:
Assess the impact of development proposals and advise on protection to trees, hedges and other vegetation such as shrubberies that contribute to the amenity value and setting of the garden and provide screening to adjacent plots.

Site Description:
A detached dwelling with a substantial rear garden comprising a level plot. No information has been provided as to protected trees on or near the site, or conservation area status.

Survey: A basic survey was carried out on 4 trees and one large shrub as shown on the drawing. The Root Protection Area (RPA) of the retained tree is shown on the drawing and has been calculated using the stem diameter as recommended in BS5837:2012

Arboricultural Impact Assessment:

The proposed works to the house include extensions to the rear (south facing) flank of the dwelling shown on the drawing and the tree constraints posed by the existing trees.

Tree Removal and Retention:

Trees for Removal:
Tress/large shrub T1, T2, and T3 are all in conflict with the proposals and cannot be retained with this layout.

Removal of these trees and large shrub will not detract from the character of the setting, and I recommend that any future scheme/rehabilitation of the rear garden include a replacement for the Betula pendula.

I recommend that caution is exercised when removing the Betula (T2) due to its proximity to the northern end of the hedge. I note that the hedge has recently been pruned, but could take some additional pruning if necessary.

Stumps to be removed and soil around removed trees and vegetation to be dug over and ameliorated.

Tree to be Retained:

The retained tree is located close to the eastern boundary, T5 Malus (crab) sp. There are no incursions into the RPA of this tree from the development and the tree can be retained and protected in accordance with BS5837:2012.

The arboricultural impact of the scheme is minor and there are opportunities to plant a replacement Birch, with scope for additional planting as the garden is refurbished in due course, to mitigate the impact of the trees to be removed.

Arboricultural Method Statement:

In order to protect retained tree, hedge (and shrubbery) during construction and for the future amenity value the following protection measures should be employed:

The area inside the tree protection fencing - (Construction Exclusion Zone-CEZ) will protect tree/hedges/shrubbery for the entirety of the demolition and construction phases.

The Tree Protection Plan (TRP) and Arboricultural Method Statement (AMS) should be supplied to the Arboricultural and Building Contractors.

All tree work/removals/protection must be carried out carried out / installed prior to the commencement of any construction activities on site.

The following must be adhered to:

- No lighting of any fires on site during the project
- No access inside the tree protection (CEZ) areas
- No materials, equipment or detritus / builders rubble to be stored inside CEZ
- No boards, cables or other services connected attached to trees is permitted
- No materials associated with contamination such as diesel or chemicals to be stored or allowed to permeate soil in or close to CEZ
- A dedicated construction operations area to be set up away from retained trees and CEZ, preferably on boards
- Take care using machinery striking tree canopies

Tree Works:
To be carried out to BS3998:2010 by a suitably qualified contractor
Prior to any tree works check that the trees are not covered by TFOs or located in a conservation area

Tree Protection Fencing:

To safeguard the RPAs of the retained tree/hedges/shrubberies robust style fencing that will resist impact from light construction plant such as Heras (BS5837:2012 Fig. 2 (see attached diagram) , securely fixed so as to form a construction exclusion zone (CEZ). All panels should be double clamped and lightened from the inside and securely sat in block trays pegged into ground.
Note: The rooting area of the Lawsons Cypress hedge to the western boundary could be expected to extend 2m beyond the hedge and ground protection could be employed using a thick layer of woodchip (min 100mm) overlaid by timber boards.

Site Access:

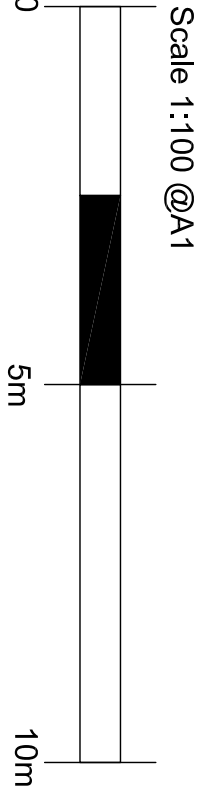
Access into the site will be via a side gate over existing hard surfacing.

All Measurements shown to be confirmed on site

Before the site is occupied or any machinery is introduced to the site or demolition work or construction work or alterations to existing ground levels occurs a **PRE-COMMENCEMENT Site Meeting** is to take place between the Arun DC Tree Officer and the Arboricultural Expert representing the site owners - at this meeting all protective fencing will be inspected along with ground protection measures - they will be assessed to verify that they are 'Fit for Purpose' as required under British Standard 5837 and have been erected and positioned exactly as shown on the **Tree Protection Plan**.

KEY

- Trees to be felled
Cannot remain with proposed layout
- Other on site tree in potential conflict with development
- Coniferous hedge
Protect with fencing for duration of construction project
- Root Protection Area (RPA)
In accordance with BS5837:2012
- Positioned fixed Heras style fencing
- Construction Exclusion Zone CEZ
- Ground protection in accordance with BS5837:2012
- Proposed built development
- Existing built development
- Setting out dims.
- Tree Categories - BS5837:2012
 - A category
 - B category
 - C category
 - U category



Rev. -> A 21-05-18

Changes for planning BRC

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Drawing Title:
Tree Protection Plan

Purpose:
Planning

Dwg. No.
1035-5400

Date:
27th April 2018

Scale:
1:100 @ A1

Julia Clew

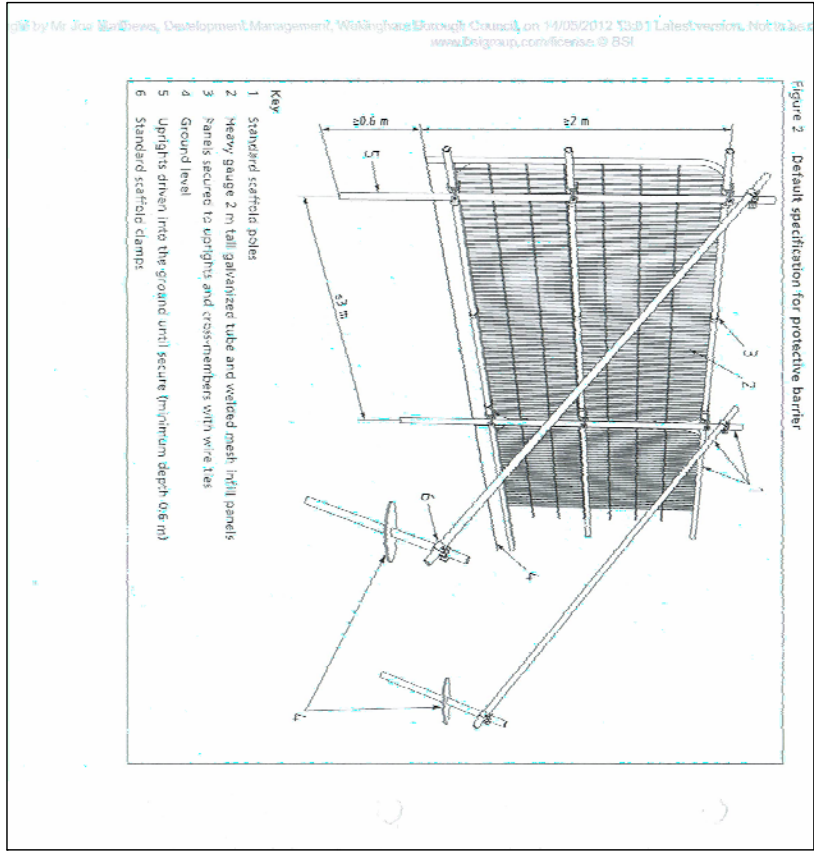
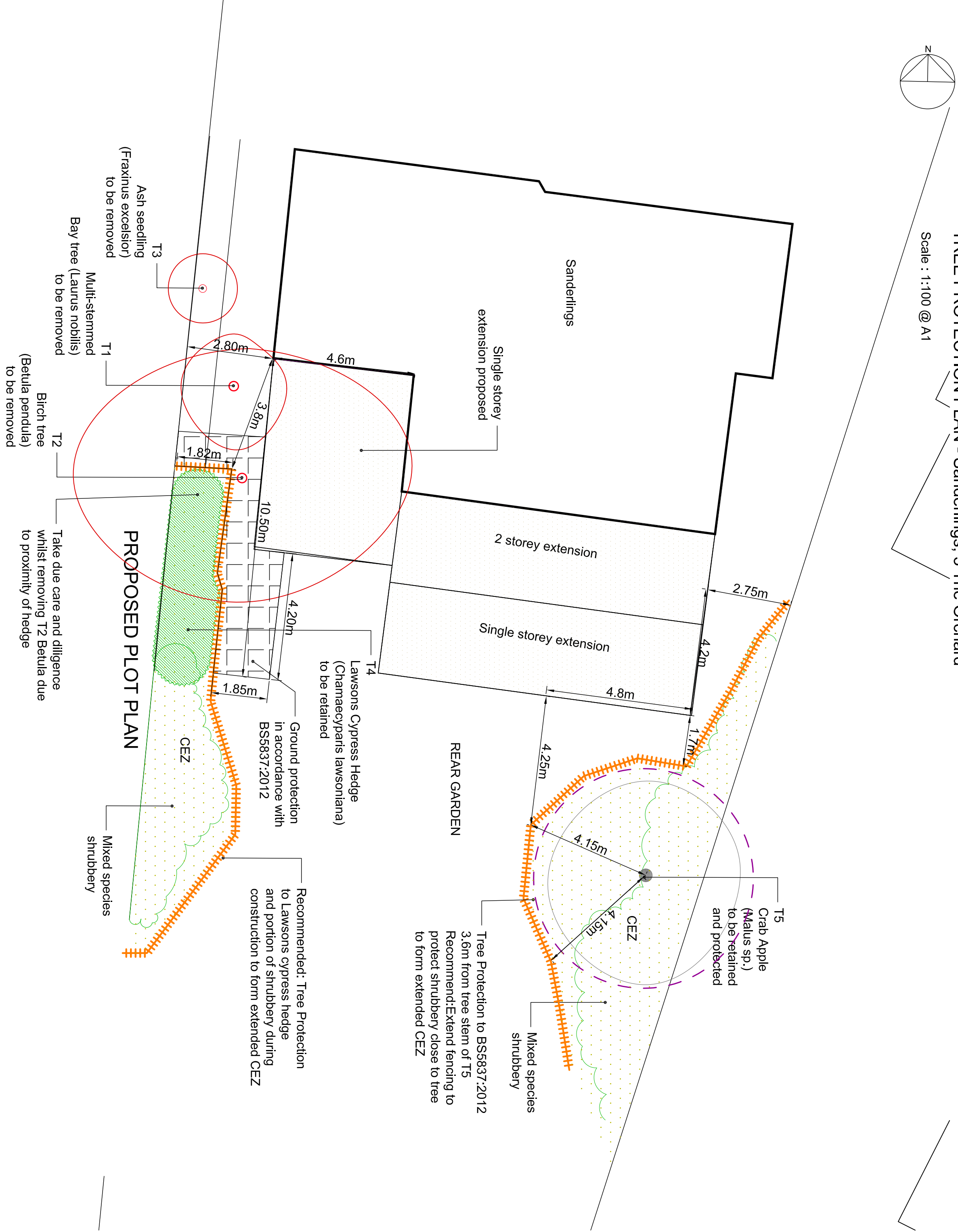


Fig. 2 - Default specification for protective barrier



TREE PROTECTION PLAN - Sanderlings, 3 The Orchard
Scale : 1:100 @ A1