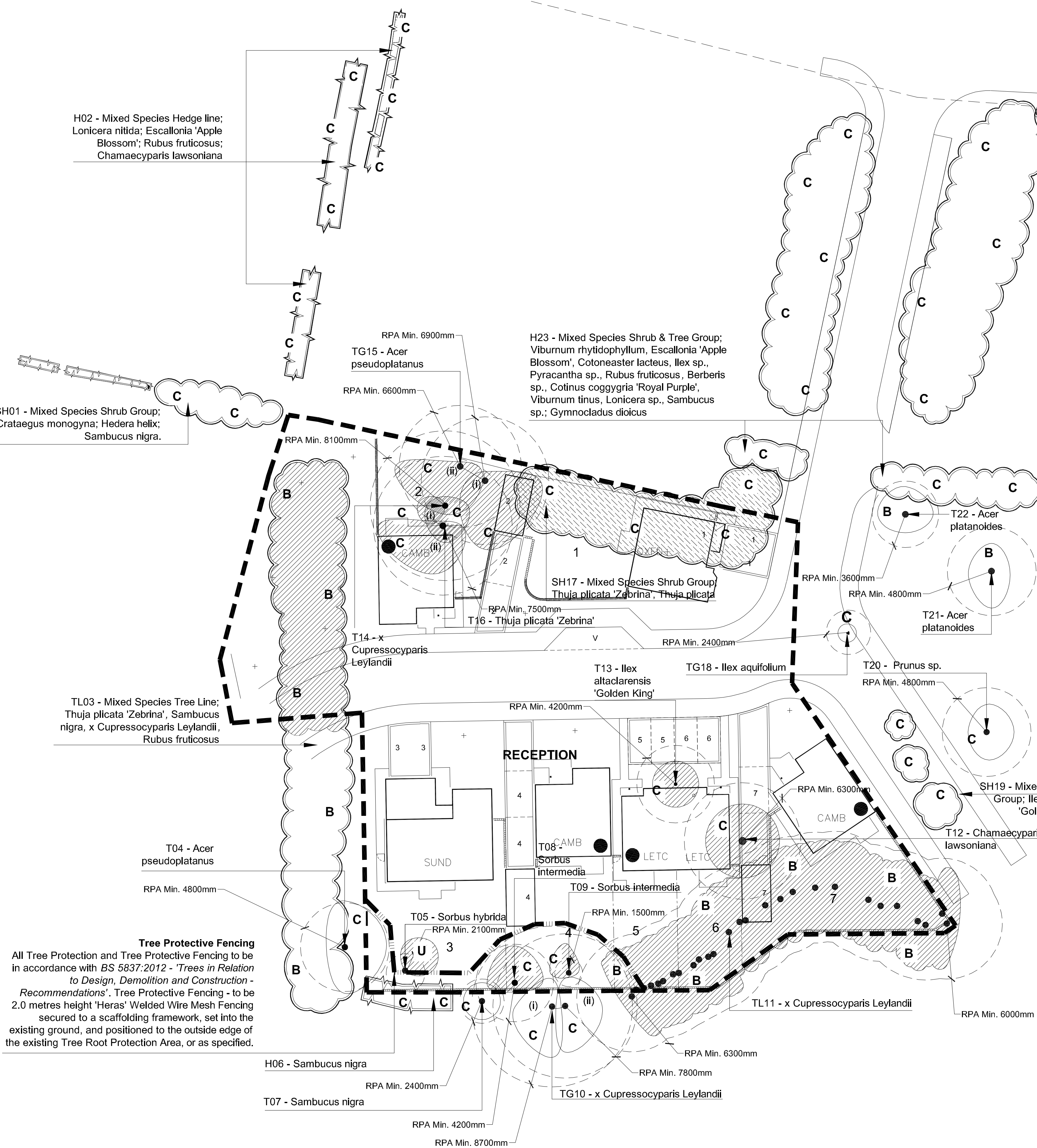




Tree Protective Fencing
All Tree Protection and Tree Protective Fencing to be in accordance with BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction - Recommendations'. Tree Protective Fencing - to be 2.0 metres height 'Heras' Welded Wire Mesh Fencing secured to a scaffolding framework, set into the existing ground, and positioned to the outside edge of the existing Tree Root Protection Area, or as specified.

Protection and Retention of Existing Vegetation
The Contractor shall exercise extreme care when performing operations beneath the canopy of existing mature trees and vegetation and within the specified tree Root Protection Areas designated for protection and avoid at all times damage to the roots, trunk and branches.

All excavations, cultivation and grading beneath the canopy of existing mature trees and within the specified tree Root Protection Areas of the existing trees and vegetation shall be carried out using hand tools, taking care not to damage or disturb any existing tree roots.

All trees to be retained on site shall be protected with fencing erected around the area of mature vegetation in accordance with BS 5837: 2012: 'Trees in Relation to Design, Demolition and Construction - Recommendations'. The fencing shall be installed, protected and maintained during the main works by the Contractor who shall be responsible for protecting any area beneath the canopy of the existing trees and within the specified Root Protection Areas.

The installed protective fencing shall be 2.0 metres minimum height 'Heras' Welded Wire Mesh Fencing positioned to the outside edge of the existing tree Root Protection Areas specified. All tree protection to be in accordance with BS 5837: 2012: 'Trees in Relation to Design, Demolition and Construction - Recommendations'. The fencing should be strained, and fixed to fences, walls, knee rails where possible to provide a complete protected area.

Day-glo ribbons shall be maintained during the main works by the Main Contractor attached to the top of the fencing to ensure that the fencing is clearly visible during the works. Fencing shall be used to enclose the full canopy spread of any tree in accordance with the specified Root Protection Areas and generally with 1.5m on either side of any hedge.

All such fencing shall be maintained for the full contract period. All necessary excavations, earthworks and cultivation beneath the canopy spread of any existing tree, shrub or hedge shall be undertaken by hand. Repositioning of the protective fencing during the course of the contract as the contract works progress shall need to be agreed with the Landscape Architect.

No heavy machinery is to be used within the Tree RPAs which shall be protected with suitable ground protection measures or 'No-Dig' construction methods; excavation shall be limited to the manual removal of the existing shrub vegetation / herb layer / existing loose material only.

At the end of the contract period the Contractor shall remove protective fencing from the site. All retained vegetation shall be healthy and thriving at the handover date.

Within the protected area the following activities must not take place:

- No vehicles are to be used in the fenced off areas;
- No materials are to be stockpiled or stored;
- No chemicals are to be stored;
- No excavation or increase in the soil level shall occur;
- No fires shall be lit on site.

Removal of Existing Vegetation
All existing trees and vegetation designated for removal are to be removed in accordance with the Tree Protection and Retention Drawing. All tree work and removal shall be carried out in accordance with BS 5837: 2012: 'Trees in Relation to Design, Demolition and Construction - Recommendations'. Trees designated for removal and felling shall be marked on site with white paint. Prior to the removal and felling of trees, the required work and tree positions shall be agreed on site with the Landscape Architect. Trees shall be felled prior to the erection of the tree protective fencing. Care should be taken to avoid damage to trees, which are designated to be retained.

Stumps shall be removed and cut away so that the top of the stump shall be at least 450 mm below the final topsoil level in order that the site can be leveled and grassed over. Stumps are to be treated with an approved herbicide to be agreed with the Landscape Architect. Where the depth is greater than 450 mm the areas shall be backfilled with topsoil to the required level.

Shrub planting areas within the tree root protection areas of existing trees should be removed manually in order to protect existing tree roots. No heavy machinery is to be used within the existing tree RPAs whilst shrub planting areas are being removed and excavation shall be limited to the manual removal of the existing shrub vegetation / herb layer / existing loose material only.

Tree Surgery
Any significant defects found in the trees during the course of the scheduled work shall be reported to the Landscape Architect. All work shall be undertaken by an approved and qualified tree surgeon in accordance with BS 3998: 2010 'Tree Work: Recommendations'. Care should be taken to avoid damage to neighbouring trees to be retained. Branches in confined spaces shall be removed and taken down in sections. All arisings shall be transported and disposed of away from site to the Contractor's tip.

Nesting Birds - Nesting Season
All trees / vegetation to be removed should be checked for the presence of nesting Birds prior to clearance. All nesting Birds should be left in situ and undisturbed during the tree surgery and vegetation clearance works within the nesting season.

Tree and Vegetation Management
For Tree and Vegetation Retention and Removal Proposals refer to the accompanying LLD936 - Existing Tree Schedule.

- Legend**
- Existing Trees.
 - Existing Areas of Nursery Boundary Vegetation.
 - T01** Tree, Shrub, and Hedge Numbers. Identification number and tree species.
 - Tree Root Protection Areas** Tree Root Protection Areas calculated and specified in accordance with BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction - recommendations'.
 - Category U Trees;** Trees Unavailable for Long Term Retention.
 - Category A Trees;** Trees of High Quality / Retention Value.
 - Category B Trees** Trees of Moderate Quality / Retention Value.
 - Category C Trees** Trees of Low Quality / Retention Value.
 - Category C** Shrub of Low Quality / Retention Value.
 - Category C** Hedge of Low Quality / Retention Value.
 - Existing Trees to be Removed from Site Prior to Protection Measures being Implemented.** Tree Surgery operations to be in accordance with BS3998:2010 - 'Tree Works - Recommendations'.
 - Existing Shrubs to be Removed from Site Prior to Protection Measures being Implemented** Shrub planting areas within the tree root protection areas of existing trees should be removed manually in order to protect existing tree roots. No heavy machinery is to be used within the existing tree RPAs whilst shrub planting areas are being removed and excavation shall be limited to the manual removal of the existing shrub vegetation / herb layer / existing loose material only.
 - Tree Protective Fencing** All Tree Protection and Tree Protective Fencing to be in accordance with BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction - Recommendations'. Tree Protective Fencing - to be 2.0 metres height 'Heras' Welded Wire Mesh Fencing secured to a scaffolding framework, set into the existing ground, and positioned to the outside edge of the existing Tree Root Protection Area, or as specified.
 - Site Survey Area** Detailed Tree Survey - Site Survey Area.

Rev Description Date Initials

01	Planning Issue	24.03.16	GS
00	Planning Issue	26.01.16	JJ
-	-	-	-

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Project title

Land at Pollards Nursery Barnham, West Sussex
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Drawing title

Tree Protection Plan

Scale

1:250 @ A1	Drawn GS Approved JJ	Date 24.03.16
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Drawing No

LLD936 / 02	Revision 01
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CAD Filename

LLD936 / CADDrawings

Land at Pollards Nursery, Barnham, West Sussex
Tree Protection Plan