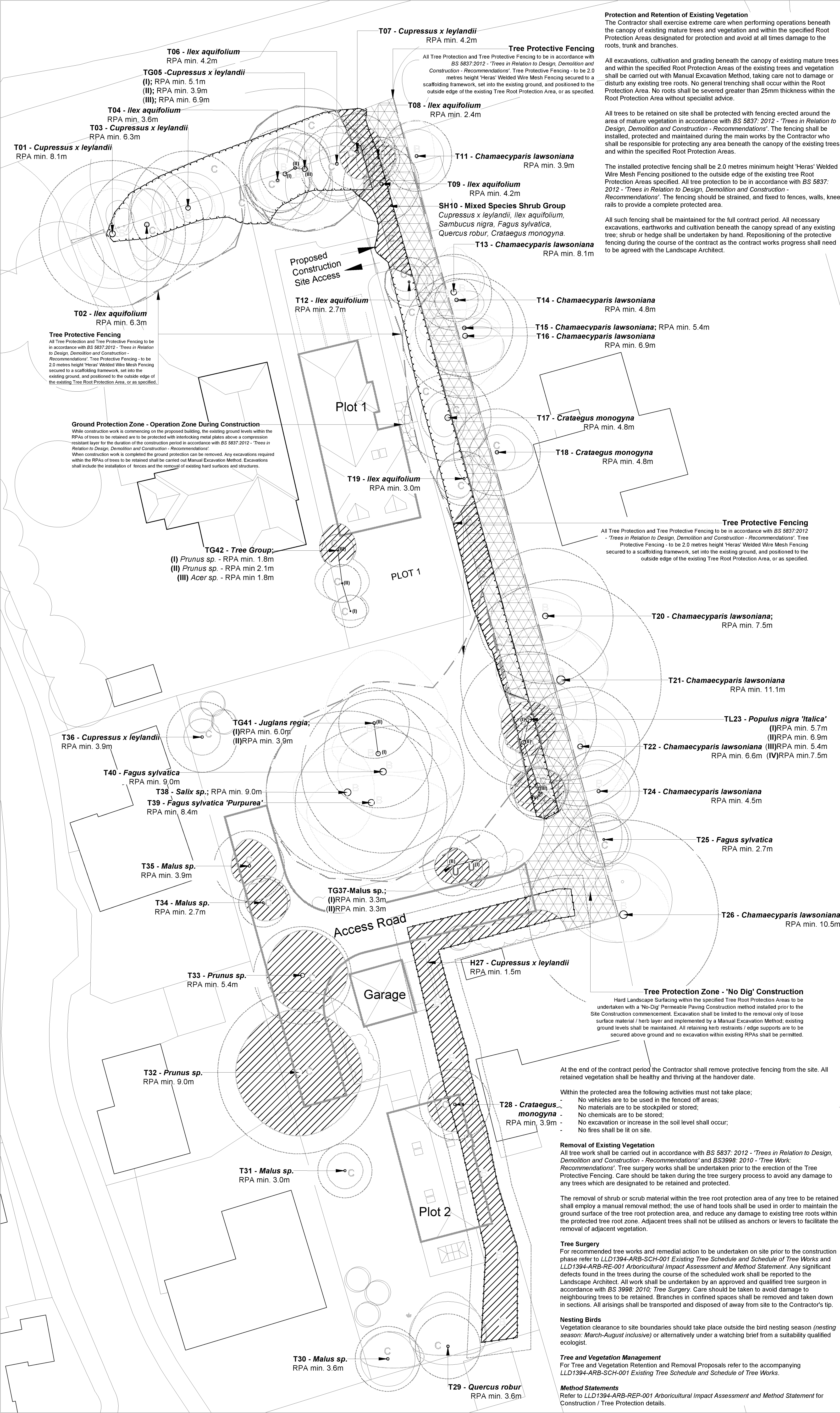




Protection and Retention of Existing Vegetation
The Contractor shall exercise extreme care when performing operations beneath the canopy of existing mature trees and vegetation and within the specified Root Protection Areas designated for protection and avoid at all times damage to the roots, trunk and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

All excavations, cultivation and grading beneath the canopy of existing mature trees and within the specified Root Protection Areas of the existing trees and vegetation shall be carried out with Manual Excavation Method, taking care not to damage or disturb any existing tree roots. No general trenching shall occur within the Root Protection Area. No roots shall be severed greater than 25mm thickness within the Root Protection Area without specialist advice.

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 to provide a complete protected area.

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.

Legend

Proposed Buildings/ Access Road

Tree/ Shrub Group/ Hedge Identification Label

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 A Trees
Trees of High Quality and Value.

Category B Trees
Trees of Moderate Quality and Value.

Category C Trees
Trees of Low Quality and Value.

Category U Trees;
Trees Unviable for Retention.

Tree to be Removed

Hedge to be Removed

Shrub to be Removed

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.

Ground Protection Zone - Operation Zone
While construction work is commencing on the proposed buildings, the existing ground levels within the RPAs of trees to be retained are to be protected with interlocking metal plates above a compression resistant layer or with the existing hard standing surfaces for the duration of the construction period in accordance with BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction - Recommendations'. When construction work is completed the ground protection can be removed. Any excavations required within the RPAs of trees to be retained shall be carried out Manual Excavation Method. Excavations shall include the installation of fences and the removal of or existing hard surfaces and structures.

Tree Protection Zone - 'No Dig'
Construction
Hard Landscape Surfacing within the specified Tree Root Protection Areas to be undertaken with a 'No-Dig' Permeable Paving Construction method installed prior to the Site Construction commencement. Excavation shall be limited to the removal only of loose surface material / herb layer and implemented by a Manual Excavation Method; existing ground levels shall be maintained. The construction area within the existing tree Root Protection Area (RPA) is to be overlain with a Cellweb TRP system, or equal and approved, including: TreeTex membrane and min. 150mm of Cellweb TRP Cellular Confinement System filled with open graded aggregate such as MOT Type 3. All retaining kerb restraints / edge supports are to be secured above ground and no excavation within existing RPAs shall be permitted. The permeable construction shall allow for moisture infiltration gaseous diffusion to occur and shall prevent localised compaction of the existing soil structure in accordance with BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction - Recommendations'.

- Notes:**
- Drawing to be viewed in colour
(Refer to LLD1578-ARB-DWG-001 - Tree Constraints Plan and LLD1578-ARB-SCH-001 - Existing Tree Schedule)
 - Details of tree retention and protection measures
(Refer to LLD1578-ARB-REP-001 - Arboricultural Impact Assessment - Method Statement)

PLANNING ISSUE

Rev	Description	Date	Initials
01	Planning Issue	20.12.18	JH

Landscape Design and Ecology

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Project Title and Location

Mistletoe Farm, Climping

Client

Domusea Developments

Drawing Title

Tree Retention & Protection Plan

Scale

1:200@A1

Drawn

JH

Date

20.12.2018

Approved

TT

Drawing No

LLD1394-ARB-DWG-002

Revision

01

CAD Filename

LLD1394

Tree Retention and Protection Plan
Mistletoe Farm, Horsemere Green Lane, Climping, West Sussex