

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 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 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 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. 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 to be 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. A schedule and status of all woody vegetation on site is located in LLD1201 Existing Tree Schedule and Schedule of Tree Works.

Stumps shall be removed and cut away so that the top of the stump shall be at least 450mm 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 450mm the areas shall be backfilled with topsoil to the required level.

Tree Surgery

For recommended tree works and remedial action to be undertaken on site prior to the construction phase refer to LLD1201 Existing Tree Schedule and Schedule of Tree Works and LLD1201 Arboricultural Impact Assessment and Method Statement. 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 Surgery. 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

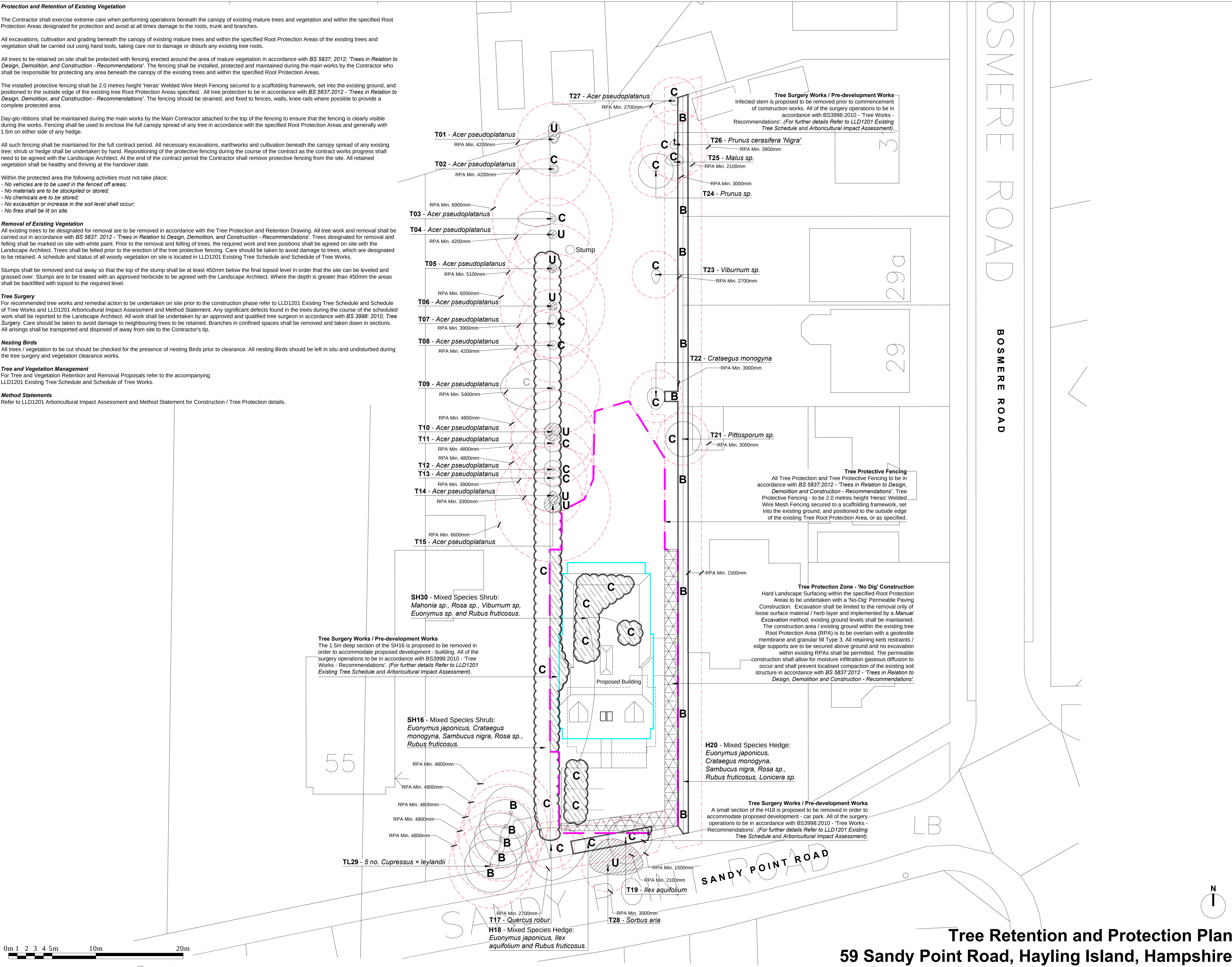
All trees / vegetation to be cut should be checked for the presence of nesting Birds prior to clearance. All nesting Birds should be left in situ and undisturbed during the tree surgery and vegetation clearance works.

Tree and Vegetation Management

For Tree and Vegetation Retention and Removal Proposals refer to the accompanying LLD1201 Existing Tree Schedule and Schedule of Tree Works.

Method Statements

Refer to LLD1201 Arboricultural Impact Assessment and Method Statement for Construction / Tree Protection details.



Legend

Proposed Buildings.

T08 Tree, Shrub, and Hedge Numbers.

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 unsuitable for retention.

Existing Trees to be Removed
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
Existing Shrubs to be Removed from Site Prior to Protection Measures being Implemented.

Existing Shrub Vegetation of Low Quality and Value

Existing Hedge of Moderate Quality and Value.

Existing Hedge of Low Quality and Value.

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.

Tree Protection Zone - 'No Dig' Construction
Hard Landscape Surfacing within the specified Root Protection Areas to be undertaken with a 'No-Dig' Permeable Paving Construction. 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 / existing ground within the existing tree Root Protection Area (RPA) is to be overlain with a geotextile membrane and granular fill 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'.

PLANNING ISSUE

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00	Planning Issue	03.07.17	TT



LIZARD
Landscape Design and Ecology

The Old Bank, 34 South Street, Tarring, Worthing, West Sussex, BN14 7UH
T.01903 216033 E.lizardlandscape@btconnect.com W.lizardlandscapeology.com

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