

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. 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.

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.

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.

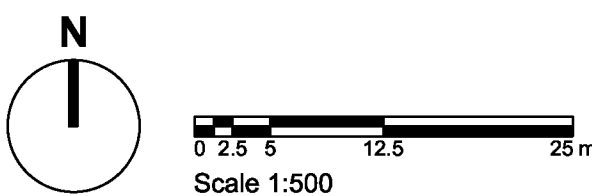
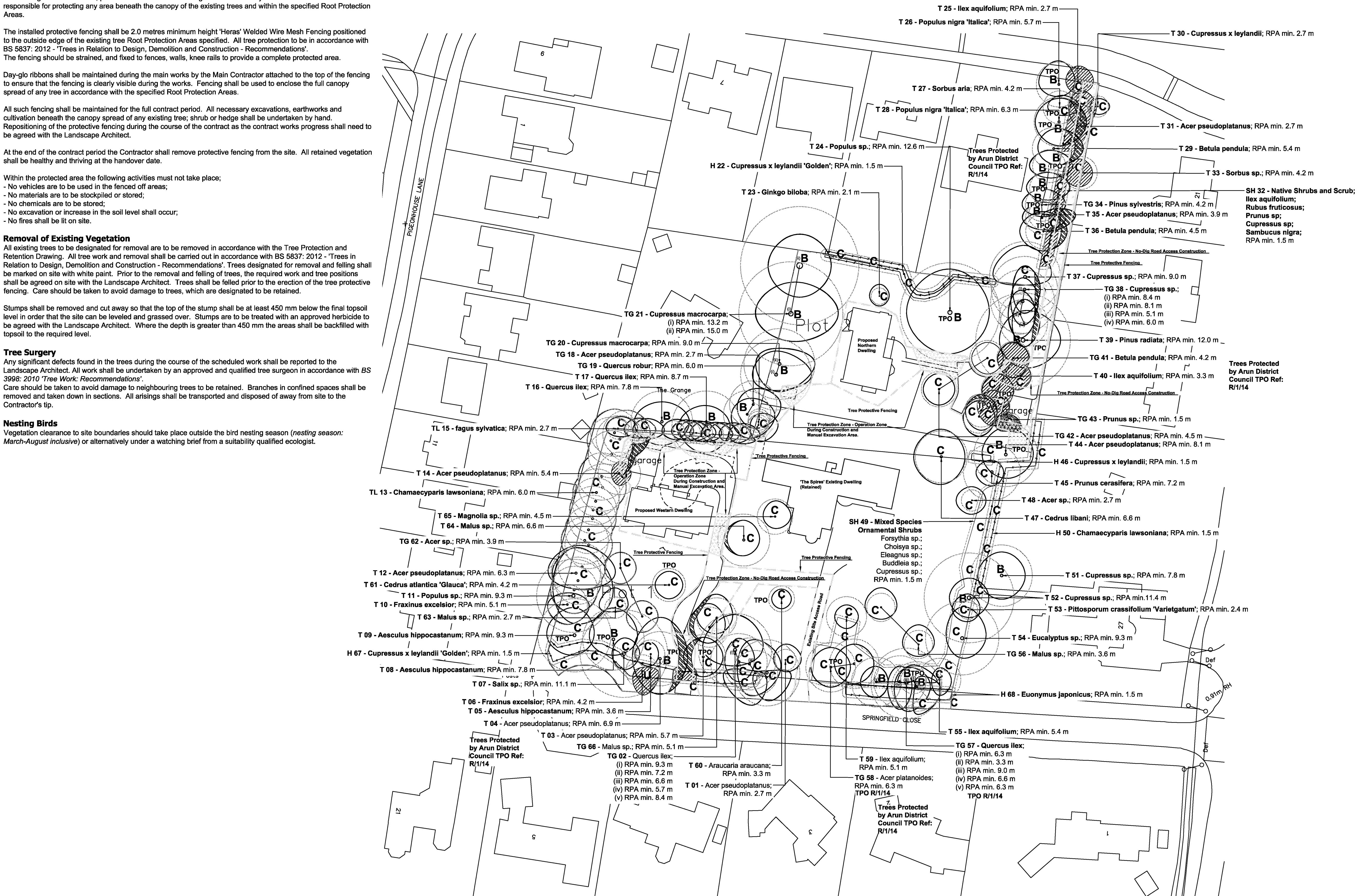
- No vehicles are to be used in the fenced off areas;
- No materials are to be stockpiled or stored;
- No chemicals are to be stored;
- No excavation or increase in the soil level shall occur;
- No fires shall be lit on site.

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.

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.

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.

Vegetation clearance to site boundaries should take place outside the bird nesting season (*nesting season: March-August inclusive*) or alternatively under a watching brief from a suitability qualified ecologist.



	Site Survey Boundary.
	Tree/Tree Group/ Tree Line/ Hedge Identification Label
	Demolished Structures.
	Tree Root Protection Areas Tree Root Protection Areas calculated and specified in accordance with BS 5827:2012 <i>Times in Relation to Design, Demolition and Construction:</i>
	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.
	Category B Tree Lines Tree Lines of Moderate Quality and Value.
	Category C Tree Lines Tree Lines of Low Quality and Value.
	Category B Tree Groups Tree Groups of Moderate Quality and Value.
	Category C Tree Groups Tree Groups of Low Quality and Value.
	Category C Hedgerows hedgerows of Low Quality and Value.
	Category C Shrubs Shrubs and Scrub of Low Quality and Value.
	Tree Protection Zone - No-Dig Road Access Construction Where new hard surfacing is required within the RPA of existing trees to be constructed that is a <i>no-dig</i> permeable method utilizing a cellular construction system installed over the existing ground levels in accordance with BS 5697:2012 <i>Times in Relation to Design, Demolition and Construction - Recommended:</i>
	Tree Protection Zone - Operation Zone During Construction and Manual Excavation Area To allow for the installation of retaining structures and construction of access roads, the existing ground levels within the RPA of existing trees to be protected with an impermeable ground protection system for the duration of the construction operation. <i>Recommended</i> and as specified within the L101647 - <i>Arborist Impact Assessment and Method Statement</i> . No reticular materials are to be used within certain ground within the RPA of existing trees. A Limited Manual Excavation shall be implemented to allow for the demolition of structures, and minor excavations within the RPA of existing trees. Care shall be undertaken with care so that no trees have been lost. No permanent structures within the Root Protection Area. No roots shall be removed greater than 200mm thickness within the Root Protection Area without special approval. New road surfaces within the RPA of existing trees are to be dug permeable outside the top of the water and air to the roads.
	Existing Trees to be Removed Trees and Shrubs Recommended to be Removed from this Policy to Tree Protection Measures
	Proposed Tree Surgery Works Existing trees to have crown reduction prior to protection measures being implemented. The Surgery operations to be in accordance with BS3998:2010 "Tree Works Recommendations".
	Tree Protective Fencing All Tree Protection and Tree Protection Fencing to be in accordance with BS 5827:2012 Tree Protection Fencing to be 1.2m (4ft) height "Hedge Wattle" with Black Plastic as a warning fence. Fencing set into the existing ground, and constructed to the outer edge of the existing Tree Protection Fencing, as specified.

Notes:
1. Drawing to be viewed in colour
(Refer to LLD1149/SCH01 - Existing Tree Schedule)

PLANNING ISSUE

Rev	Description	Date	Initials
01	Planning Issue	13.04.17	GS
00	For Information	11.04.17	GS



Project Title and Location		
The Spires, Springfield Close, East Preston		
Client		
ECE Planning		
Drawing Title		
Tree Retention and Protection Plan		
Scale	Drawn	Date
1:500@A1	GS	11.04.2017
	<i>Approved</i>	
Drawing No	Revision	
LLD1149 / 02	01	
CAD Filename		
LLD1149/CAD		