

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 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.

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 stacked 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.

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
 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 LLD954 - Existing Tree Schedule.

Method Statements
 Refer to LLD954 Arboricultural Impact Assessment and Method Statement for Construction / Tree Protection details.

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 min 2.0 metres height 'Heras' Welded Wire Mesh Fencing secured to a scaffolding framework, set into the existing ground, and positioned as specified. No Construction Access shall be permitted within the RPA.

Tree Protection Zone - Manual Excavation
 All excavation operations within the RPA of the existing trees are to be undertaken manually / by hand in order to protect existing tree roots / canopies. No roots shall be severed above 25mm before seeking arboricultural advice. All excavation and demolition operations within the RPA of existing trees to be in accordance with BS 5837: 2012, 'Trees in Relation to Design, Demolition and Construction'.

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Tree Protection Zone - No Dig Construction
 A No Dig Construction shall be implemented without the removal or change of existing ground levels. In accordance with BS 5837: 2012, 'Trees in Relation to Design, Demolition and Construction - Recommendations'. The construction area within the RPA shall be to be covered with a geotextile and reinforced with gravel. A No Dig Construction shall be implemented in accordance with BS 5837: 2012, 'Trees in Relation to Design, Demolition and Construction - Recommendations'. The geotextile shall be reinforced with a 300mm diameter Geotextile and reinforced with a minimum support width (1000mm) and a minimum access width (a minimum of 1.0m) shall be maintained. All excavations shall be to be covered above ground and no general excavation shall be undertaken within the RPA. All excavations shall be to be covered above ground and no general excavation shall be undertaken within the RPA. All excavations shall be to be covered above ground and no general excavation shall be undertaken within the RPA.

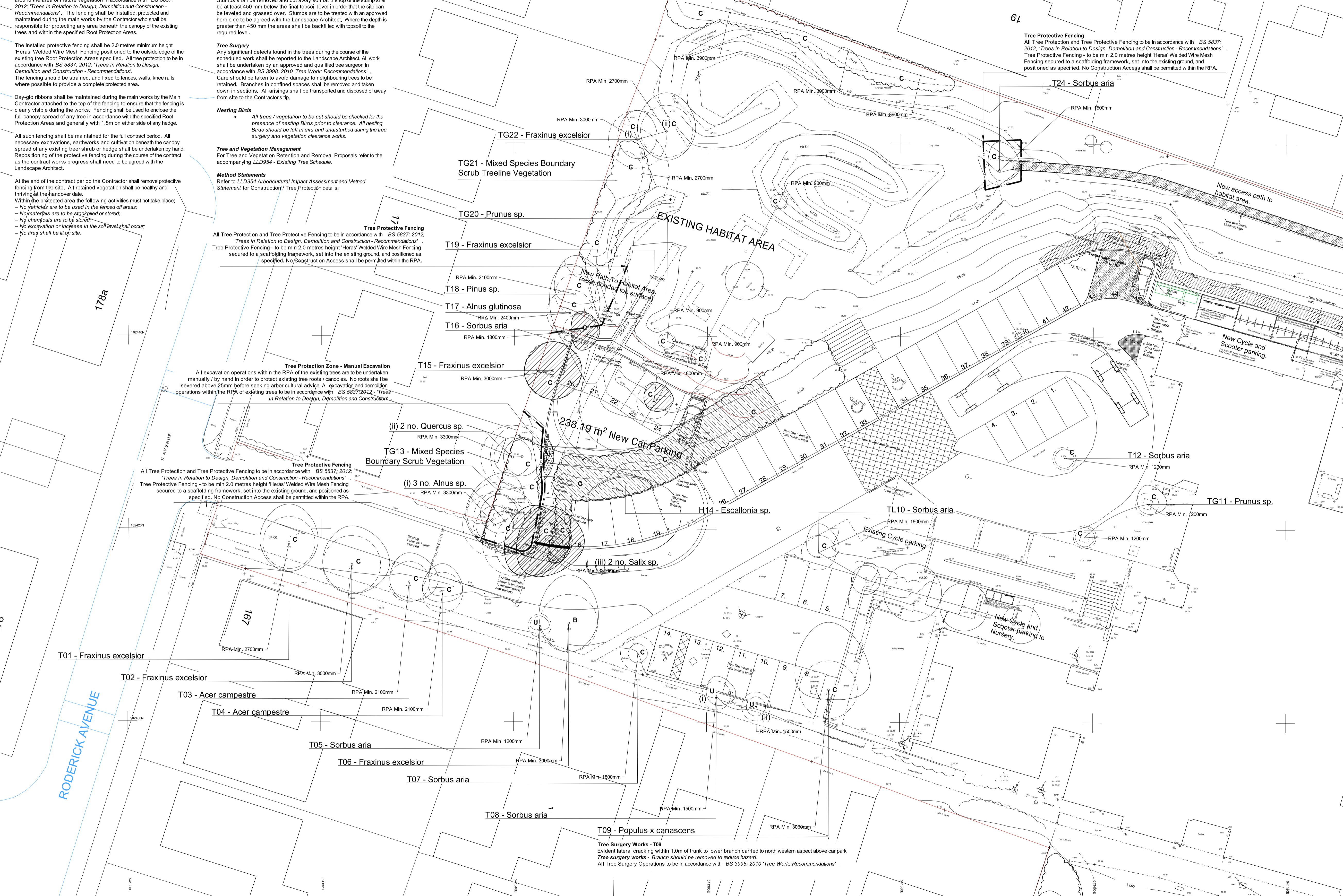
Tree Protection Zone - Construction Access
 Tree Protective Fencing shall be installed around the perimeter of the construction area within the RPA. The Contractor shall be responsible for maintaining the RPA. The Contractor shall be responsible for maintaining the RPA. The Contractor shall be responsible for maintaining the RPA.

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Tree Surgery Works - T09
 Evident lateral cracking within 1.0m of trunk to lower branch carried to north west aspect above car park.
Tree surgery works - Branch should be removed to reduce hazard.
 All Tree Surgery Operations to be in accordance with BS 3998: 2010 'Tree Work: Recommendations'.

Legend

- Existing Trees to be Retained and Protected on Site
- Existing Trees to be Removed
- Existing Shrub Planting Areas to be Retained and Protected on Site
- Existing Shrub and Hedge Planting Areas to be Removed from Site Prior to Protection
- Tree Root Protection Areas
- Category U Trees: Trees Unsuitable for Retention
- 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
- Tree Protective Fencing
- Tree Protection Zone - No Dig Construction
- Tree Protection Zone - Construction Access
- Tree Protection Zone - Manual Excavation



Rev	Description	Date	Initials
01	Planning Issue	09/06/16	KM
00	Draft Issue	25/05/16	KM

Lizard Landscape Design

Lizard Landscape Design and Ecology
 34 South Street
 Tarring
 Worthing
 West Sussex
 BN14 7LH
 Tel: 01903 216033
 Email: lizardlandscape@btconnect.com

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Meridian Primary School
 Peacehaven, East Sussex

Drawing title
Tree Retention and Protection
 (drawing 1 of 3)

Scale
 1:200@A1

Drawn
 KM

Date
 25.05.16

Approved

Drawing No
 LLD954 / 02-01

Revision
 01

CAD Filename
 LLD954: CAD Drawings

Meridian Community Primary School Tree Retention and Protection