LANDSCAPE ELEMENTS

EXISTING TREES

Cat. A | **Category A** : High or exceptional aboricultural, landscape or ecological value. (Worthy of being a material constraint.)

Cat. B | **Category B** : Moderate arboricultural, landscape or ecological value. (Worthy of being a material constraint.)

Cat. C | **Category C** : Low quality or small in size. (Not worthy of being a material constraint.)

Cat. U | **Category U** : Such poor quality or condition that renders it unsuitable for retention. (Not worthy of being a material constraint.)

Root Protection Areas

In order to avoid damage to the roots or rooting environment of retained trees, the Root Protection Areas (RPA's) should be plotted around each of the category A, B and C trees. This is a notional depiction of the minimum rooting area in m2 which should be left undisturbed around each tree. The RPA is calculated using the *British Standard BS 5837:2012 'Trees in relation to design, demolition and construction - Recommendations'*, unless otherwise stated within the survey schedule.

Where there appears to be restrictions to root growth the root protection area is reshaped to more accurately reflect the likely distribution of the roots.

RPA | **Root Protection Area (RPA)**: The notional area around each tree which should be left undisturbed during the development of the site

RPA Incursion: Anticipated incursion into the root protection area of a proposed tree which may result in root loss/damage.

Arboriculturally Sensitive Demolition/ Removal): A structure or surfacing is to be removed using special methods to avoid damage to trees.

Specialist Foundations: Low impact foundations to be used to preserve underlying tree roots.

Further Object Key

Tree Stem / Stem line: Diameter of stem at ~1.5m

Tree Removal: Trees designated for removal will comprise of a red filled canopy.

Site Boundary: Extent of site boundary (illustrative only)

Buildings/Surfacing to be Removed: Buildings or surfacing to be removed will generally be depicted with a dashed red line

TREE REMOVALS & PROTECTION

Category A : High or exceptional aboricultural, landscape or ecological value. (Worthy of being a material constraint.)

Category B : Moderate arboricultural, landscape or ecological value. (Worthy of being a material constraint.)

Category C : Low quality or small in size. (Not worthy of being a material constraint.)

Category U : Such poor quality or condition that renders it unsuitable for retention. (Not worthy of being a material constraint.)

Root Protection Areas

In order to avoid damage to the roots or rooting environment of retained trees, the Root Protection Areas (RPA's) should be plotted around each of the category A, B and C trees. This is a notional depiction of the minimum rooting area in m2 which should be left undisturbed around each tree. The RPA is calculated using the *British Standard BS 5837:2012 'Trees in relation to design, demolition and construction - Recommendations'*, unless otherwise stated within the survey schedule.

Where there appears to be restrictions to root growth the root protection area is reshaped to more accurately reflect the likely distribution of the roots.

Root Protection Area (RPA): The notional area around each tree which should be left undisturbed during the development of the site

RPA Incursion: Anticipated incursion into the root protection area of a proposed tree which may result in root loss/damage

Arboriculturally Sensitive Demolition/ Removal): A structure or surfacing is to be removed using special methods to avoid damage to trees.

Specialist Foundations: Low impact foundations to be used to preserve underlying tree roots.

Further Object Key

Tree Stem / Stem line: Diameter of stem at ~1.5m

Tree Removal: Trees designated for removal will comprise of a red filled canopy.

Site Boundary: Extent of site boundary (illustrative only)

Buildings/Surfacing to be Removed: Buildings or surfacing to be removed will generally be depicted with a dashed red line

LANDSCAPE ELEMENTS

PLANTING PRINCIPLES & TYPOLOGIES

PLANTING PRINCIPLES

The planting strategy is based on a number of principles as described below:

A) Be appropriate for place

Species selected for the planting strategy will be based on species found within the vicinity of the site. Mainly native species will be used for landscape elements such as woodland edge, hedgerows and grassland

B)Be valuable for biodiversity and wildlife

Planting proposals will enhance biodiversity through selection of appropriate species, habitat creation and management strategies. Species mixes will reflect recommendations from the project ecologist.

C) Have seasonal interest

Planting will be designed to promote seasonal interest through a considered species selection that will change throughout the year to provide visual interest and ecological value.

D) Mitigation of visual impact

Planting proposals will filter views.

PLANTING TYPOLOGIES

Outline plant schedules and specifications have been developed for the landscape elements as shown below.

- Native woodland buffer planting to complement the existing.
- Instant green screen acoustic fences of varying heights to Ham Moor Lane and Addlestone Road to mitigate noise.
- Instant green screen wall planters to eastern facades .
- Species rich native hedgerows to parking areas and at entrances.
- Tree planting.
- Ornamental shrub planting to internal streets / car parking areas.
- Ornamental herbaceous planting to threshold frontages.
- Matrix low shrub and perennial planting to above ground attenuation basins
- Native woodland understorey planting around site boundaries.
- Species rich grassland to Business Park frontages.
- Riparian planting to the River Wey.

LANDSCAPE ELEMENTS

PROPOSED TREES

141 no. Newly planted trees

Trees of varying species, form and maturity are proposed to create a naturalistic multi-layered woodland canopy effect across the site. Standard and extra-heavy standard trees offer instant impact and smaller multi-stem trees and woodland shrub species create a naturalistic multi-layered woodland canopy effect.

Trees within hard paving areas will be provided with underground rootcells, where required, to provide adequate rooting volume. The location and arrangement of the rootcells refer to LDA Design Landscape Proposal Drawings '8404 101' for locations (subject to coordination with the drainage engineer's proposals).