

**Erection of a warehouse. G Park, Kingsdown Road, Swindon, SN3 4TZ.**

Dear Ralph

Please see below our formal response to satisfy condition 12 (Tree Pits)

The condition states:

Prior to the commencement of the development hereby permitted, a scheme detailing the tree pits for 8 (eight) individual *Betula pendula* trees, sized 8-10 cm stem girth (measured at 1m) to be planted within the car park island beds and 24 (twenty-four) individual *Quercus robur* trees, sized 1.75 - 2m height, to be planted adjacent to hard surfacing along the southern boundary, as defined on the EPD Soft Landscape Plan (21-007\_01 Rev PL07), shall be submitted to and approved in writing by the Local Planning Authority. The site-specific tree pits are to be of an engineered design that incorporates technology that will enable each tree to successfully establish and thrive to maturity in hard surface environments, via the provision and safeguarding of 11m<sup>3</sup> of appropriate growing medium for the *Betula* and 25m<sup>3</sup> for the *Quercus*.

**Response**

Epdlandscape have designed and specified engineered tree pits for both the car park (*Betula pendula*) and the line of *Quercus robur* between the footpath and the service yard, see drawings 21-007-20 engineered tree pits Site Plan PL02, 21-007-21 engineered tree pits Section A-A & 21-007-22 engineered tree pits Section B-B.

The tree pits are based on Green Blue Urban's engineered tree pit details and the drawings have been reviewed by and discussed with Green Blue Urban prior to submission.

Where two or more trees share the same soil cells the soil volume can be reduced by 20%. This means that the 22m<sup>3</sup> of cells for two *Betula pendula*'s in the same planting bed can be reduced to 18 m<sup>3</sup> and the 25m<sup>3</sup> for the *Quercus robur*'s reduced to 20m<sup>3</sup>.

There are 18 *Quercus Robur* that require full soil cells under the footpath (it should be noted that on the far side of the footpath the roots are back into soft ground and can continue to grow in these areas).

The first four *Quercus robur* in the run have adequate space within the triangle woodland section to grow (therefore no cells are required as discussed with Green Blue Urban). Reroot 600 will be used along the edge of the path in this location to stop the roots from growing under the path and instead guiding them into the woodland area. The last tree in the run also has enough space to grow without the need for cells.

The 5<sup>th</sup> *Quercus robur* and the 23<sup>rd</sup> will have a combination of soil cells and soft ground giving them adequate room to establish. Reroot 600 will be used to guide the roots accordingly. Rootsafe is to be specified for T32 to allow for the footpath to be constructed. The roots of the proposed *Quercus robur* in this location will also be able to use this root space accordingly. Reroot 600 will be used to guide roots accordingly.

Yours Sincerely

**EPD Landscape**

Timothy Cousins

**Principal Landscape Architect**