



**Notes**  
 Do not scale off drawing - refer to the tree data schedule for accurate crown spread measurements.  
 Depictions of tree canopies are based on measurements taken to four cardinal compass points.  
 No liability of any kind is accepted for any omissions or inaccuracies in respect of this plan.  
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**NOTES** - Where tree works are proposed to site or to overhanging vegetation to enable construction, this shall be undertaken by qualified tree surgeon in accordance with the requirements of BS3998:2010, prior to the installation of Protective Fencing.

Existing tree's & vegetation on the site boundaries or overhanging the boundaries from the adjacent land which are to be retained shall be protected where necessary during works by 2300mm high mesh panel (Heras type) fencing secured to a scaffold tubing framework or supported on a suitable base pinned into the ground and connected by none tamper fixings.

Protective fencing shall be erected outside the canopy drip-line or beyond the minimum Root Protection Area (RPA) distance, detailed in the Tree Survey wherever possible. The tree works & fencing works shall be carried out prior to any demolition, groundworks, construction works.

Laminated, waterproof A4 signs shall be fixed to the fence posts at 10m intervals bearing the words 'CONSTRUCTION EXCLUSION ZONE - NO STORAGE OR OPERATIONS WITHIN FENCED AREA' as per the example on the plan.

**PROTECTION OF CONSTRUCTION EXCLUSION ZONE**  
 Inside the exclusion area of the fencing, the following prohibitions shall apply -

- No mechanical excavation whatsoever.
- No excavation by any other means without arboricultural site monitoring.
- No hand digging without a written Method Statement approved in writing by the Project Arborist.
- No lowering of levels for any purpose (except removal of grass sward using hand tools).
- No construction of a sealed hard surface - except where agreed with the Project Arborist.
- No storage of plant or materials.
- No storage or handling of any chemical, including cement washings.
- No vehicular access.

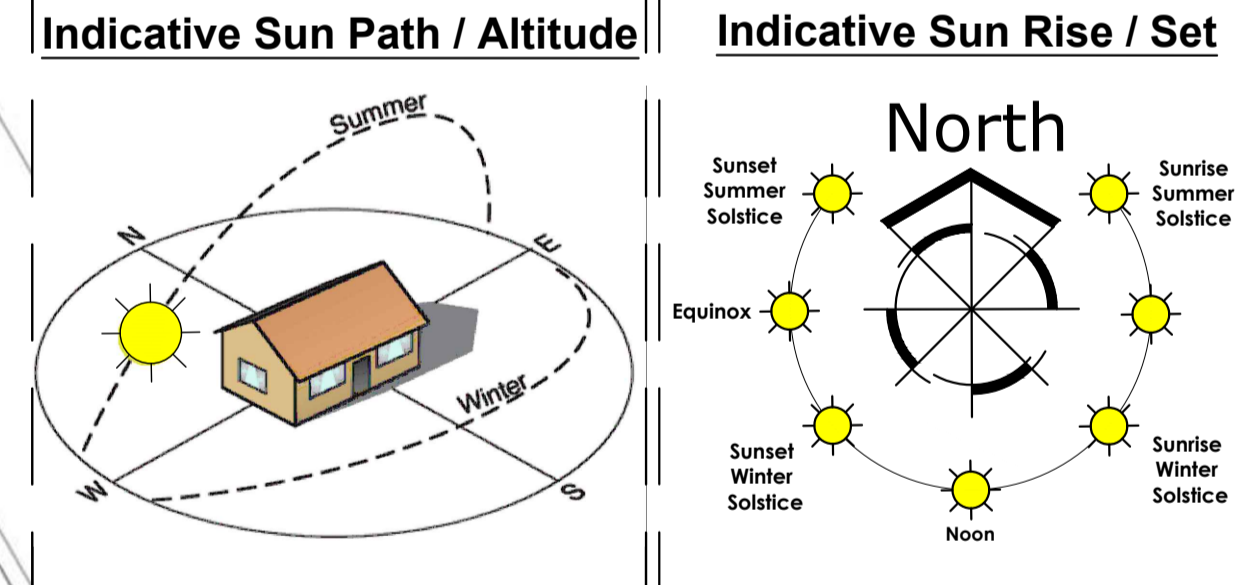
No fire lighting. In addition to the above, further precautions are necessary adjacent to trees -

- A 10m separation distance shall be observed between any tree and substances injurious to tree health, including fuel, oil, bitumen, cement (including cement washings), builders' sand, concrete mixing and other chemicals.
- No fire shall be lit such that flames come within 5m of tree foliage; this shall be taken to mean a fire separation distance of 20m from any tree's canopy.

**ALL WORKS AFFECTING TREES SHALL BE SUBJECT TO THE REQUIREMENTS OF BS5837:2012.**



DO'S	TREE PROTECTION	DON'TS
<p><b>TREE ROOTS</b></p> <p>Spread out as far as possible from the tree trunk to the surface of the soil, making them difficult to locate.</p> <p>To help trees survive any proposed changes a minimum amount of arboricultural root protection must be provided for or provided to help the tree root spread and ensure that any proposed work does not damage or disturb the tree's root system.</p> <p>At those locations you just need to understand what the tree's root system is doing and how to protect it.</p>	<p><b>TREES ROOTS</b></p> <p>Many people believe tree roots extend as deep as the tree is high, or deeper than the perimeter of the tree's canopy.</p> <p>We must <b>not</b> avoid any unauthorised damage to trees. The use of temporary protective fencing can prevent tree health issues.</p> <p>To help trees survive any proposed changes a minimum amount of arboricultural root protection must be provided for or provided to help the tree root spread and ensure that any proposed work does not damage or disturb the tree's root system.</p> <p>At those locations you just need to understand what the tree's root system is doing and how to protect it.</p>	<p><b>RESULTS OF BREACHING THE CEZ</b></p> <p>Soil Compaction: Causes root damage and reduces soil oxygen levels, leading to root rot and tree death.</p> <p>Excavation Cuts: or damage the roots, which can cause or worsen tree health issues.</p> <p>Turf or Soil Removal: Even shallow excavation can cause or worsen tree health issues.</p> <p>Canopy/Branch Damage: Limits food production and storage and can cause tree death.</p> <p>Chemical Spill Including Cement: Kills roots, leading to tree death, water table contamination.</p> <p>Fire: Scorch and burn trunks, stems and branches.</p>



**BS5837:2012 Tree Categories**

- Category A:** Trees of high quality with an estimated remaining life expectancy of at least 40 years. Groups shown as hatched shapes.
- Category B:** Trees of moderate quality with an estimated remaining life expectancy of at least 20 years. Groups shown as hatched shapes.
- Category C:** Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm. Groups shown as hatched shapes.
- Category U:** Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years. Groups shown as hatched shapes.

**Tree groups:** Shown as dashed centre line. Colour represents category (see above).

**BS 5837:2012 Root Protection Area**

**Tree Management Requirements**

- Trees to be retained within the scheme and protected in line with the guidelines set out in BS5837.
- Trees to be retained and protected in line with the guidelines set out in BS5837, though requiring facilitation planting to be in line with BS5837.
- Trees to be removed to enable the scheme to be carried out as proposed. All works to be undertaken in line with BS5837.

**Partial Group Removal:** Shown as dashed red line.

**BARNES ASSOCIATES**  
 Unit 1 Foundry Yard, New Row  
 Boroughbridge YO51 5AX  
 T: 01423 322 371  
 E: info@barnesassociates.co.uk  
 W: barnesassociates.co.uk  
 Company Number 10438116  
 Registered in England and Wales

Client	Keepmoat
Project	Land off Keresforth Road, Dodworth
Drawing Title	Arboricultural Impact Assessment

