



NOTES - Where tree works are proposed to on 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.

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DO'S **TREE PROTECTION** **DON'TS**

Trees add value to the site, provide shade, breathe habitat, improve air quality and are typically protected as part of any planning approvals so their protection is in everyone's interest to avoid costly stoppages and damage.

TREE ROOTS
Spreads out a lot further than the branches over a large area and are usually buried deep in the ground for the soil, making them invisible to damage.

TREES ROOTS
Many people believe tree roots extend as deep as the tree is high or deep sleep into the ground for the soil, making them invisible to damage.

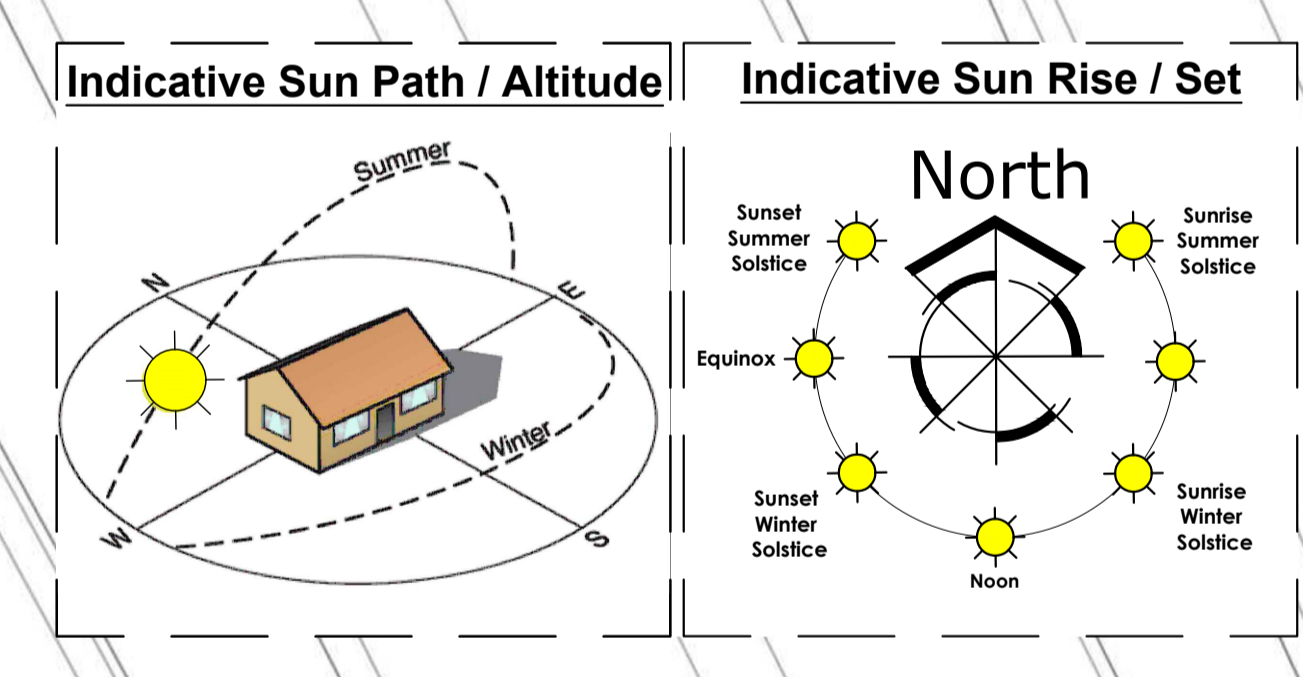
To help trees survive any proposed changes a minimum amount of soil and ground around the tree needs to be protected or provided for the tree leaf and root zone the canopy for the tree's growing a **Construction Exclusion Zone**. These are normally, and should be, the minimum that is needed to allow a tree to survive. It is important to understand what the tree and ground around it are to be used for.

Warning
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RESULTS OF BREACHING THE CEZ

- Soil Compaction (overweight vehicles, heavy machinery)
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- Excavation Cuts or Damages the roots, which can affect a tree's ability to absorb water
- Trench or Soil Removal (Even shallow excavations can remove the roots)
- Canopy/Branch Damage (Limits food production and branches can result in a steep decline in tree health)
- Chemical Spill (Including Cement, oils, acids, herbicides, etc.)
- Fire (Scorch and burn leaves, stems and branches)

T 01423 322 371 E info@barnesassociates.co.uk W barnesassociates.co.uk



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, or young trees with a stem diameter below 150mm. 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 100mm. Groups shown as hatched shapes.
- Category U** Trees in such a condition that they cannot realistically be retained as being trees in the context of the current land use for longer than 10 years. Groups shown as hatched shapes.

Tree symbols
Tree shown as dashed centre line
Colour represents category (see above)

BS 5837:2012 Root Protection Area

Tree
Showing Canopy extent, category colour and tag number (with category)
TreeID/Group/Tag number: GT-G3, H1-H2

Tree Management Requirements

- Trees to be retained within the scheme and protected in line with BS5837
- Trees to be retained and protected in line with BS5837 through retaining facilitation proving proving to be in line with BS3998
- Trees to be removed to enable the scheme to be carried out as proposed undertaken in line with BS3998

Partial Crown Removal
Shaded red
Full removal dashed red line

BARNES associates
Unit 1 Foundry Yard, New Row
Broughbridge YO51 9AX
T 01423 322 371
E info@barnesassociates.co.uk
W barnesassociates.co.uk
Company Number 10438116
Registered in England and Wales

Client
Keempoat

Project
Land off Keresford Road, Dodworth

Drawing Title
Arboricultural Impact Assessment

