WHY TREE PROTECTION IS NEEDED

1) **Soil compaction kills roots-** caused by plant movement and storage of materials within protected areas.
2) **Trenching severs roots-** many small roots grow within the top 600mm of soil. Even the removal of the top 200mm can cause damage.
3) **Soil pollution kills roots-** Dripping fuel storage or cement washings can contaminate the soil resulting in root death.
4) **Raising & lowering levels kills roots-** the soil used to increase levels can compact the underlying soil (see point 1). Lowering levels will remove roots causing damage to the tree.
5) **Bark and branch damage-** bark removal and branch damage can allow disease and fungi into the tree.

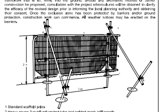
The impact of any of the above can take years to show- trees can have huge reserves of food and water.

LEGEND

TREE PROTECTION FENCING & CONSTRUCTION EXCLUSION ZONE

All fencing shall be installed prior to any plant activity on site whatsoever, including; demolition, utility installation, groundworks, and soil stripping

Once erected, all TPF will be regarded as sacrosanct, and will not be removed or altered without prior recommendation by the project arboriculturist and approval of the local planning authority. The TPF is suitable for areas of high intensity development, and shall comprise of interlocking weld-mesh panels, well braced to resist impacts by attachment to a scaffold framework that is set firmly into the ground. Should any alternative method of barrier construction be proposed, consultation with the project arboriculturist will be obtained to clarify the efficacy of the revised design prior to informing the local planning authority and obtaining their consent. Once the exclusion zone has been protected by barriers and/or ground protection, construction work can commence. All weather notices may be erected on the barriers.

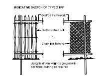


1 Standard scaffold poles
2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
3 Panels secured to uprights and cross-members with wire ties
4 Ground level
5 Uprights driven into the ground until secure (minimum depth 0.6 m)
6 Standard scaffold clamps

ALTERNATIVE FENCING SPECIFICATION

Alternative specification for fencing where the site circumstances and associated risk of damaging incursion into the RPAs of retained trees does not necessitate the default level of protection.

INDICATIVE SKETCH OF TYPE 2 TPF



TREE TO BE REMOVED

A CATEGORY TREE
B CATEGORY TREE
C CATEGORY TREE
U CATEGORY TREE

ROOT PROTECTION AREA (RPA) FOR RETAINED TREES

SUPERVISED EXCAVATION

RESTRICTIONS WITHIN TREE PROTECTION AREAS

Inside the exclusion area of the fencing, the following shall apply:

- No mechanical excavation whatsoever
- No excavation by any other means without arboricultural site supervision
- No hand digging without a written method statement having first been approved by the project arboriculturist.
- No lowering of levels for any purpose (except removal of grass sward using hand tools)
- 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:

- No substances injurious to tree health, including fuels, oil, bitumen, cement (including cement washings), builders sand, concrete mixing and other chemicals shall be stored or used within or directly adjacent to the protection areas of retained trees
- No fire shall be lit such that flames come within 5m of tree foliage.

NOTE:
FOR PLANNING PURPOSES ONLY
DO NOT SCALE FROM DRAWING

0 5 10 15 20 25m

Rev	Date	Details	Drawn
G	20.02.2019	s278 added & T33-36, T43 & T44 shown removed	MW
F	02.03.2018	Revised layout	MW
E	29.11.2017	Revised layout	MW
D	23.11.2017	Comment on T42 added	MW
C	16.11.2017	s278 Trees and layout added	MW
B	18.10.2017	Revised layout	MW
A	22.02.2017	Revised layout	MW

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BARRATT HOMES

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Emsworth, Hampshire
client: Barratt Homes
drawing: Tree Protection Plan
date: July 2016
scale: 1:500@A0
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drawn: MW checked: TRG