

NOTES

- Drawing to be read in conjunction with Arboricultural Survey
- All tree works are to comply with the recommendations of this document and are to be carried out by a suitably qualified arboriculturalist
- All works are to be carried out in accordance with guidance from BS 5837:2012 Trees in relation to design, demolition and construction and BS 3998:2010 Recommendations for Tree Work

1. The root protection area is the area (m²) surrounding a tree which contains sufficient rooting volume to ensure the survival of the tree.

- Excavation in protected area - Refer: BS 3998: Recommendations for tree work**
- Method: By hand or approved mechanical machinery (air spade) under arboricultural supervision
 - Backfill as soon as possible or temporarily line with polyethylene sheet to reduce evaporation.
 - Outside protected area: Give notice of roots exceeding 25 mm and do not cut without approval from Arboricultural Consultant.

- Cutting:**
- Make clean smooth cuts with no ragged edges.
 - Pare cut surfaces smooth with a sharp knife.
 - Treatment of cut roots: To Arboricultural Consultants recommendations

Backfill: As dug material. Copious watering may alleviate further stress and reduce further root dieback due to desiccation. (Refer to BS 3998: Recommendations for tree work)

2. Care must be taken to protect the existing trees to be retained (As listed in the Arboricultural survey), to a level which ensures the trees, shape, form and healthy survival.

- Precautions required to be taken during the demolition and construction stage of works should be in accordance with BS 5837 2012: Trees in relation to design, demolition and construction, including:
- Prevention of physical damage to roots by soil compaction or severing
 - Provisions for water and oxygen to roots systems
 - Allowing for future growth to the root systems
 - Preservation of the soil structure around root system at suitable bulk density for root function.
- (Refer: BS 5837:2012 Trees in relation to design, demolition and construction)

3. **Removal of trees: To standard of BS 3998**
- Identification: Clearly mark trees to be removed, with spray paint marker and tag on trunk.
 - Safety: Comply with HSE/ Arboriculture and Forestry Advisory Group Safety Guides.
 - Felling: As close to the ground as possible. All work to be undertaken by a qualified tree surgeon.
 - Stumps: Remove to a minimum depth of 450 mm below ground level or to a level set by the Structural Engineer in the specification, whatever the greater.
 - Work near retained trees: Take down trees carefully in small sections to avoid damage to adjacent trees that are to be retained, where tree canopies overlap and in confined spaces generally.

- Removing small trees, shrubs, hedges and roots: To standard of BS 3998**
- Identification: Clearly mark trees to be removed, with spray paint marker and tag on trunk.
 - Small trees, shrubs and hedges: Cut down
 - Roots: Grub up and dispose of without undue disturbance of soil and adjacent areas
 - Safety: Comply with HSE/ Arboriculture and Forestry Advisory Group Safety Guides.

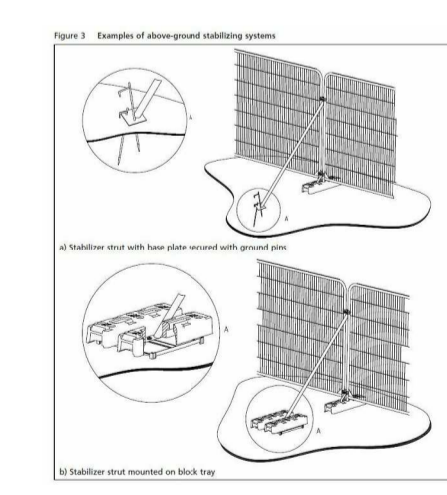
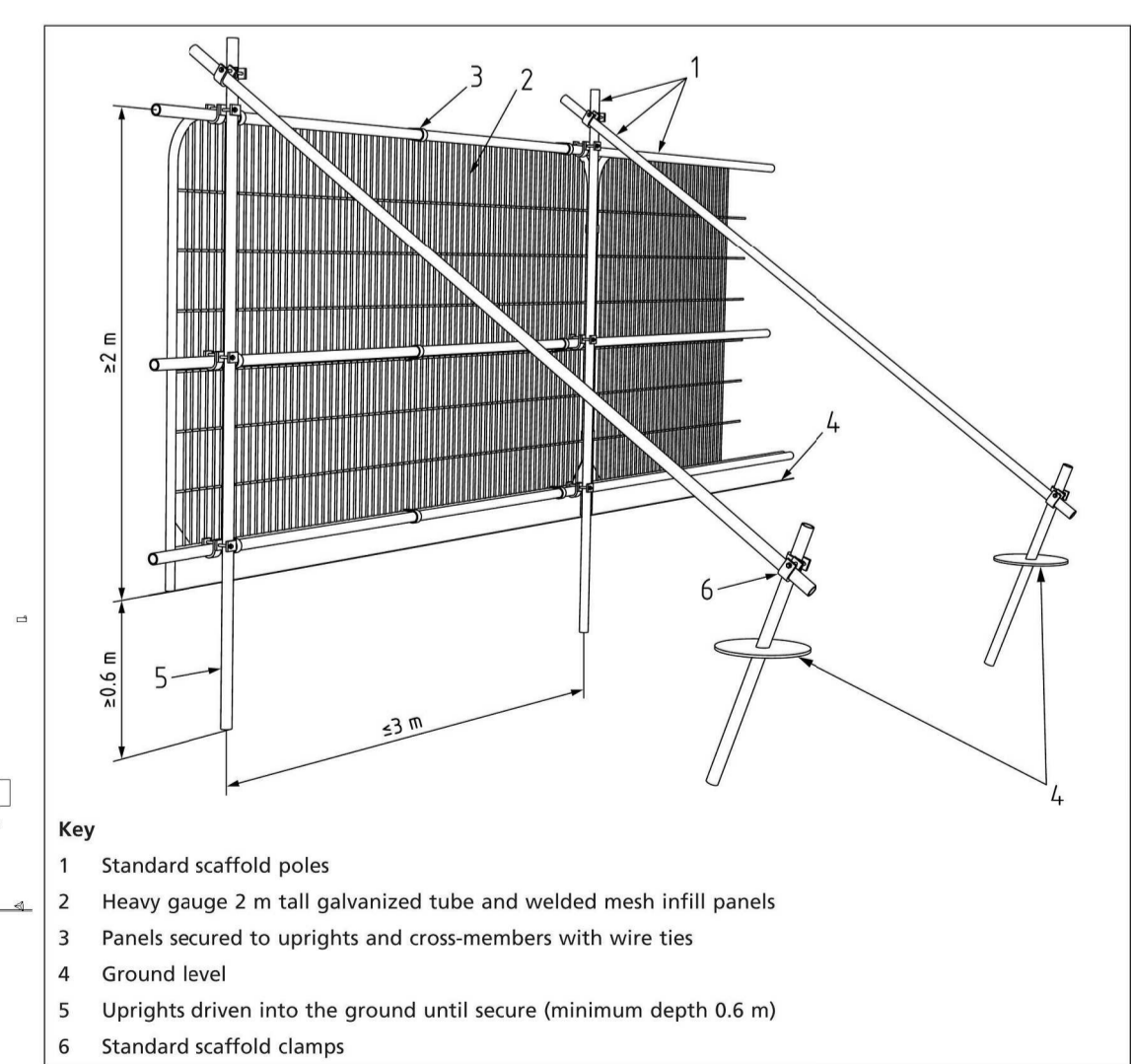
4. Should a tree be damaged or destroyed, the contractor will be liable for any Local Authority penalties and may need to replace the tree either with a healthy, semi-mature tree of an identical type /species, as defined by the National Plant Specification, or whatever age/ type of tree is specified by the Local Authority, whichever is the more onerous.

5. No construction works to be commenced in proximity of existing retained trees until a full method statement describing all actions to be taken for each individual tree is submitted by the contractor and agreed in writing by an approved Arboriculturist and Local Authority.

LEGEND

- Scope of works**
- Existing Site Levels**
Existing levels retained to mitigate retaining structures at client request.
- Proposed Site Levels**
to match existing
- Category B**
- Category C**
- Root Protection Area**
with protective fence installed for the duration of construction period. Refer to Arboricultural Report
- Proposed Building Outline**
- Trees to be removed to enable development**

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 - Drawings to be read in conjunction with Access Report.



PL	P01	14/09/21	Issued for Planning
STATUS	REV	DATE	DESCRIPTION
CLIENT			REVISED BY AP
RCHT/KIER			CHECKED BY DH
			ORIGINATOR NO 154345

CONSULTANT
STRIDE TREGLOWN
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PROJECT
RCHT West Cornwall Hospitals
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DRAWING TITLE
Tree Protection, Removal and Retention Plans

SUITABILITY STATUS
PL : PLANNING
SCALE
As indicated @ A1