

BS5837:2012 -Trees in relation to design, demolition and construction. AIA, AMS & TPP in relation to trees at Belle Green Court Care Home, Cudworth, Barnsley.

Prepared by: East Midlands Tree Surveys Ltd.

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1. Instructions

This report was commissioned by Portress & Richardson in relation to trees at the above site with instruction to provide the following in line with *BS5837:2012 Trees in relation to design, demolition and construction - Recommendations*.

- An Arb Impact Assessment along with an Arb Method Statement and Tree Protection details.
- This document should be read in conjunction with the Tree Constraints report dated 22/12/23.

2. Arboricultural Impact Assessment.

See Appendix 1 for the Impact Assessment plans, Root Protection Areas in grey, crown spread in green along with shade patterns.

The only trees on site implicated are G3 & T001, the row of trees alongside Barnsley Rd and those to the north are unaffected.

G3 will need to be removed, although these trees form part of the landscape, they are non-natives, are damaging the existing dwarf wall and are pushing against the existing building.

There is no direct impact on the RPA of T001, the tree will need however to be protected during the demolition phase and the crown will need to be laterally reduced over the proposed parking bays.

3. Arboricultural Method Statement & Tree Protection detail.

3.1 Sequenced Methods of Demolition, Construction and Tree Protection

With reference to relevant published guidance, the methodology of this statement follows a logical sequence essential to the efficacy of the protection measures. Reference may include: British Standard BS 5837:2012 Trees in relation to design, demolition and construction – Recommendations; British Standard BS3998:2010 Tree Work. It is essential to the successful implementation of the principles set out in this document that effective supervision and enforcement are put in place from the outset.

3.2 Phase 1 - Undertake Arboricultural Works

Remove G3.

Mark out the proposed parking bays 1-3 and laterally prune T1 to provide clearances.

Tree work requires skilled operators to perform pruning tasks in order to maintain the health and safe useful life expectancy of the trees, it is strongly recommended that construction staff DO NOT carry out any tree works.

Additional to this, a legal Duty of Care requires that all works specified should be carried out by qualified arboricultural contractors who have been competency tested to determine their suitability for such works in line with Health and Safety Executive guidelines. All works should be carried out in accordance with British Standard BS3998:2010 Recommendations for Tree Work.



Particular care needs to be addressed in dealing with legally protected species such as nesting birds and roosting bats which are protected under the Wildlife and Countryside Act 1981 (as amended) from intentional harm and killing and applies to roosting and hibernating bats and active bird nests. The protection of bird nests applies between mid-February to August inclusive.

3.3 Phase 2 - Tree Protection Fencing

The Tree Protection Plan can be found at Appendix 2.

Prior to the demolition Phase, the RPA for T001 will be paint marked out on site as a circle with a radius of 1.2m and the fence run positioned at these extents as per the TPP.

The 2nd fence run will extend from the existing building to the boundary on Barnsley Road.

The fencing shall remain in place throughout the demolition and construction phases.

The default specification as per figure 2 of BS 5837:2012 will be used - see Appendix 3 in order to minimise the risk of damage to roots.

Within the fenced zone, no materials or chemicals should be stored at any time, no fires should be lit, no pedestrian or vehicle traffic, and level changes within these areas should be kept to an absolute minimum. Every effort should be taken to protect a maximum possible area of the root system.

It is not envisaged that the storage of materials during the construction Phase will be an issue due to the size of the site.

Clear notices are to be fixed to the outside of the fencing with words such as 'TREE PROTECTION AREA – NO ACCESS OR WORKING WITHIN THIS AREA'.

See Appendix 4. These notices shall be A3 in size, laminated and fixed to the fencing using suitable aids such as tie wires.

The site agent, all contractors and other relevant personnel are to be informed of the role of the Tree Protection Fencing and their importance. A copy of the Tree Protection Plan will be displayed on site at all times during construction.

3.4 Services/Drainage

Any required services or drainage runs within the RPAs of retained trees will be installed by way of hand digging. The product and dimensions to be provided by the project Architect.



A copy of the Tree protection Plan & Method Statement to be kept on site at all times.

An arboriculturist should be consulted where required during the construction process to address any issues that might arise regarding tree retention, protection, and management. It is the responsibility of the site owner, manager, and main contractor to ensure that any tree protection or other relevant planning conditions, or TPO's are adhered to. A breach of a planning condition or TPO may result in enforcement action by the LA.

It will be necessary to supervise the operation of tall or wide machinery such as booms or jibs during the installation work in proximity to the canopies of retained trees.

It is recommended that a pre-commencement meeting be arranged with the contractors who may be operating the machinery to address/overcome any concerns about close by branches and to organize further mitigating pruning if required.

NHBC guidelines on foundation depth in proximity to trees should be followed. This will be determined by a structural engineer but should be guided by information in this report and appropriate sampling to determine soil profiles at the site.

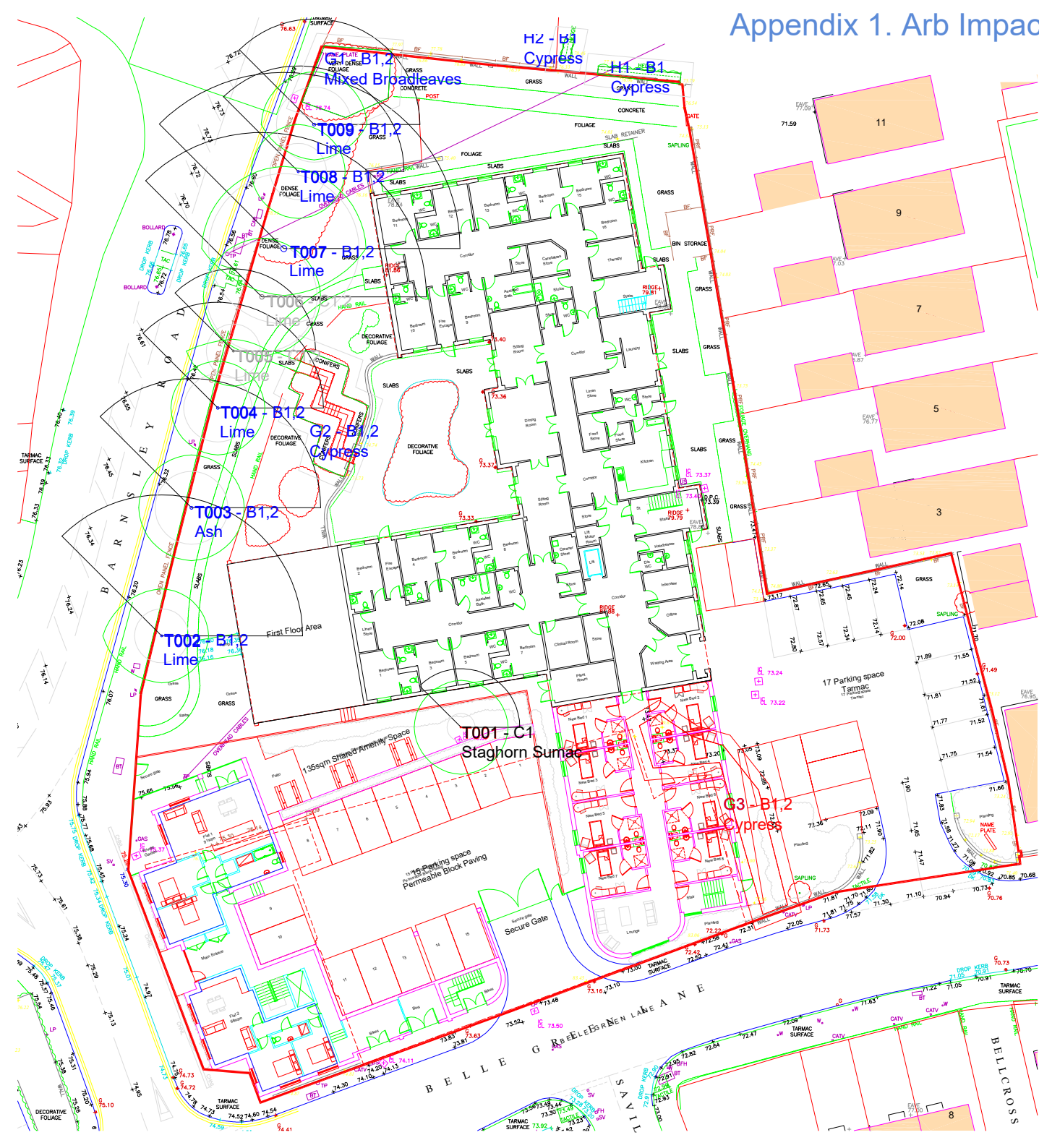


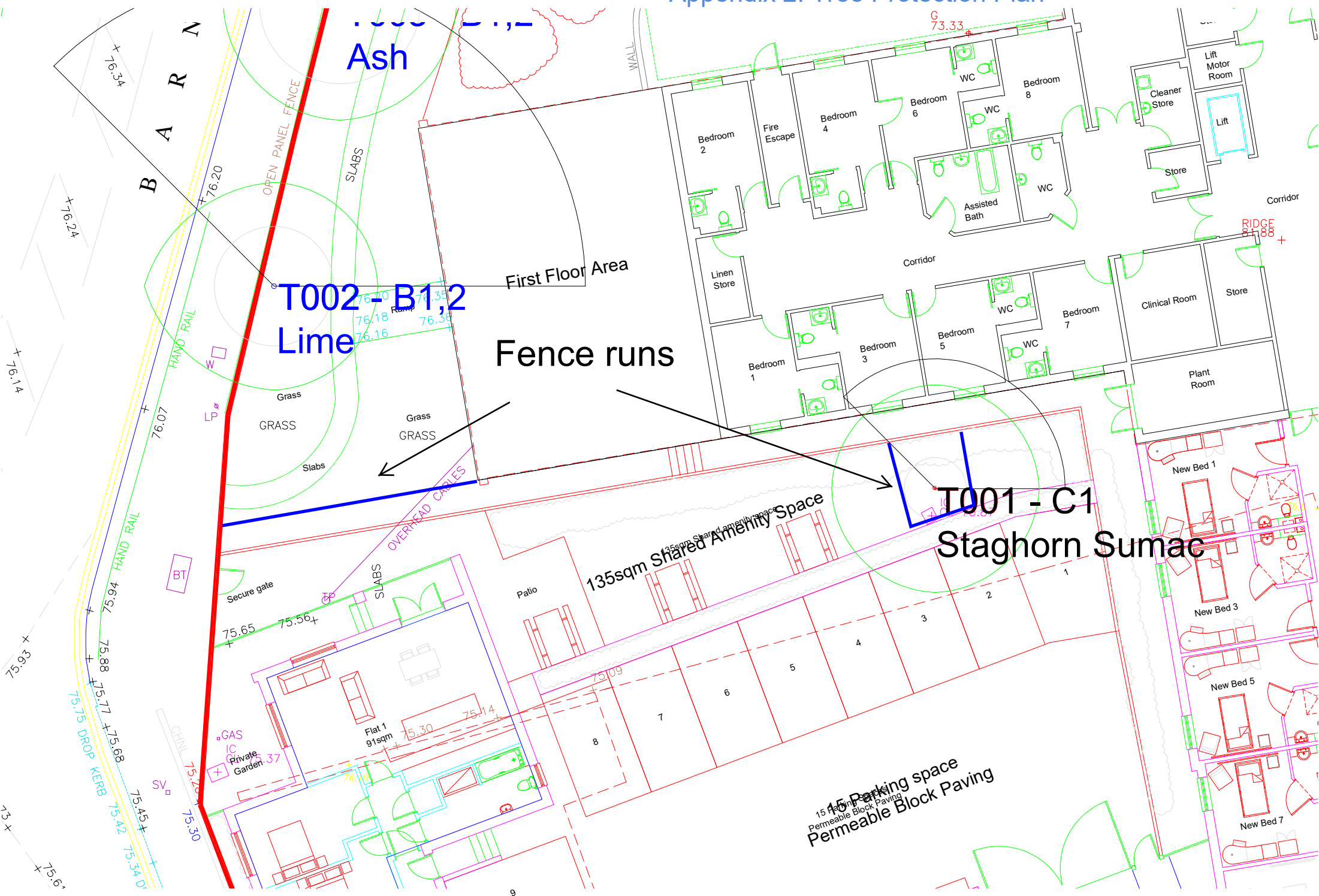
John Wilcockson – Director, East Midlands Tree Surveys LTD.

Tech Cert (Arbor A), NDF For

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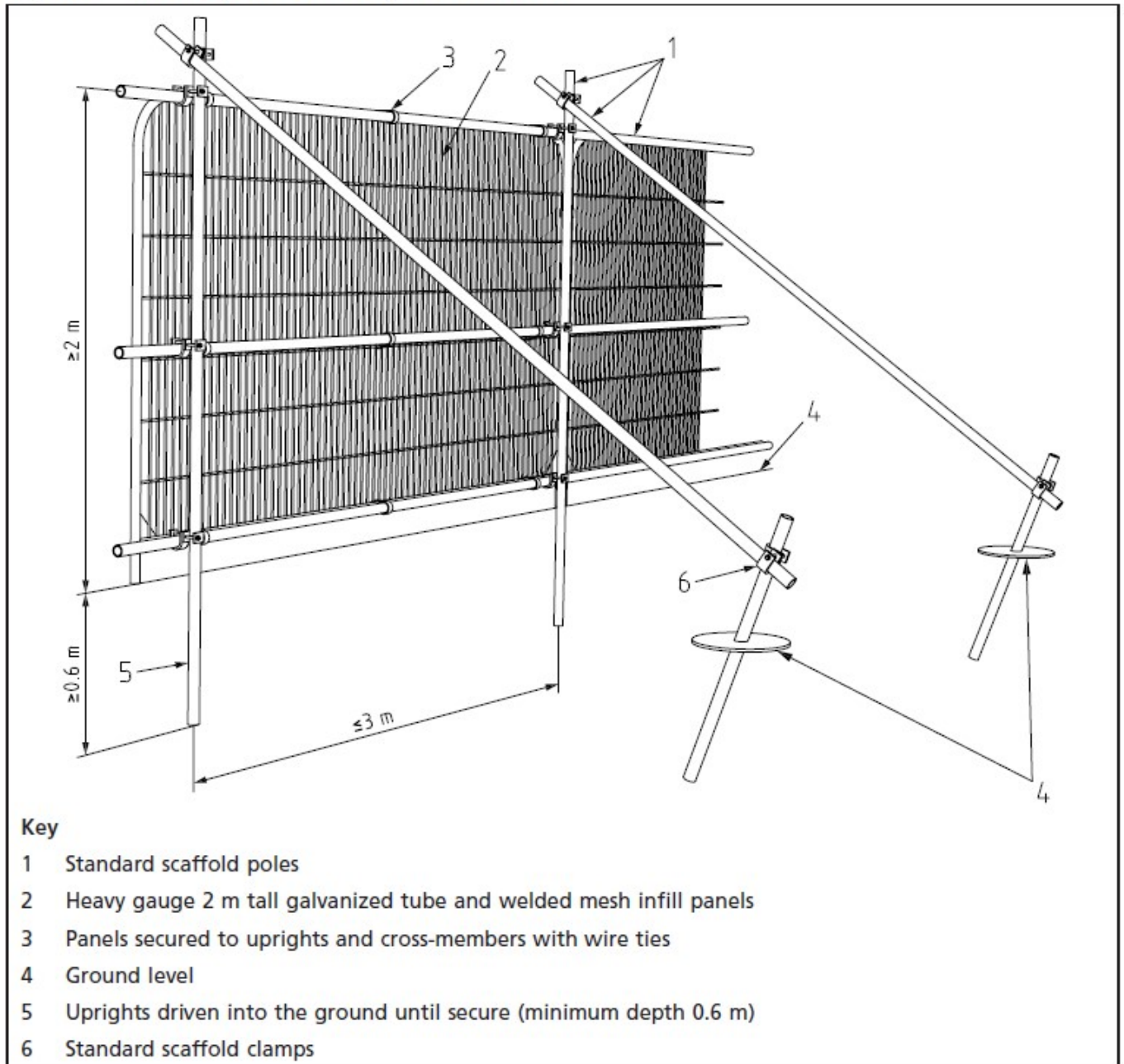






Appendix 3. Fence specification.

Figure 2 Default specification for protective barrier



Appendix 4. Signs.

