Tree Protection Plan

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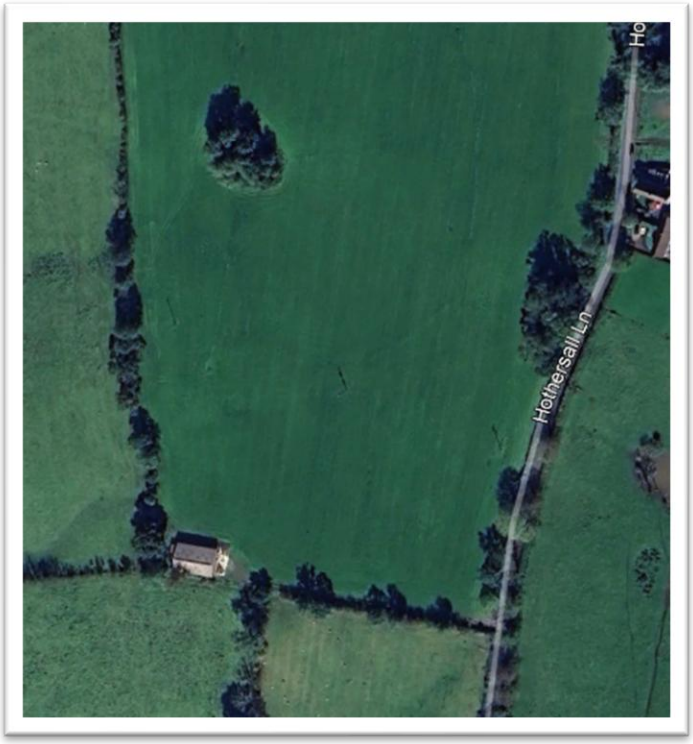
Date: 18th May 2026

Planning Application

Proposal: Change of use of agricultural building to commercial livery stables, and formation of sand paddock parking, turning area and drainage attenuation pond at Hothersall Lane, Hothersall.

Address: Land at Hothersall Lane, Hothersall.

Plan to show proposed development. Trees to the west of the site to benefit from protection during construction work.



There are five trees to the west of the site which are within proximity of the proposed sand paddock development. The trees are interspersed with hawthorn trees which are immature and significantly smaller than the subject trees, therefore discounted for

the purposes of this tree protection plan, however they will benefit from protection by being within the scope of the protection of the larger trees. All trees will be protected during the construction.

Tree 1 -

(Quercus robur – English Oak)

Tree 2 -

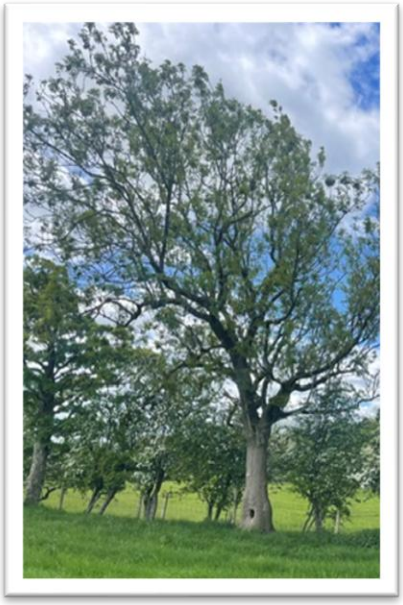
(Acer pseudoplantanus – sycamore)

Tree 3 -

(Acer pseudoplantanus - Sycamore)

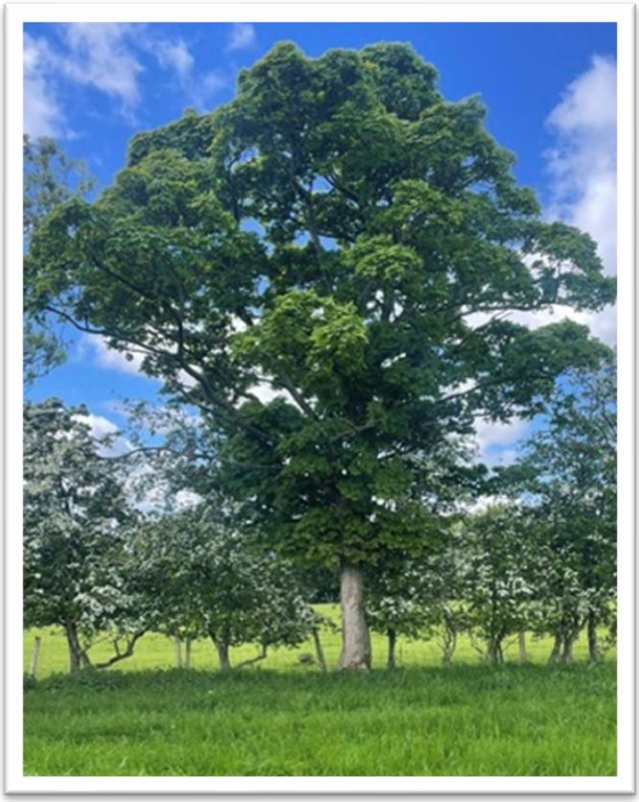
Tree 4 –

(Fraxinus excelsior - Ash)



Tree 5

(Acer psuedoplantanus - Sycamore)



Root Protection Areas

Tree 1 (Quercus robur – English Oak)

Circumference is 280 cm

Diameter (D) = 89.13 cm

Radius (R) = 44.565 cm

RPA calculation : D x 12 = 10.6956 M (RPA radius)

Tree 2 (Acer pseudoplantanus – Sycamore)

Circumference is 110 cm

Diameter (D) = 35.00 cm

Radius (R) = 17.5 cm

RPA calculation : D x 12 = 4.2 m (RPA radius)

Tree 3 (Acer pseudoplantanus – Sycamore)

Circumference is 125 cm

Diameter (D) = 39.79 cm

Radius (R) = 19.895 cm

RPA calculation : D x 12 = 4.7748 m (RPA radius)

Tree 4 (Fraxinus excelsior – Ash)

Circumference is 165 cm

Diameter (D) = 52.52 cm

Radius (R) = 26.26 cm

RPA calculation : D x 12 = 6.3024 m (RPA radius)

Tree 5 (Acer psuedoplantanus – Sycamore)

Circumference is 150 cm

Diameter (D) = 47.75 cm

Radius (R) = 23.875 cm

RPA calculation: D x 12 = 5.73 m (RPA radius)

The canopy spreads are commensurate.

Mitigation Measures

The protection of Trees 1 – 5 :-

a) Erection of protective fencing along the RPAs as indicated on the Tree Protection Drawing (LM/SP/5404A).

b) The root protection areas are to be treated as sacrosanct and the warning sign will be erected on the fence. Specifically, within this area there will be no:-

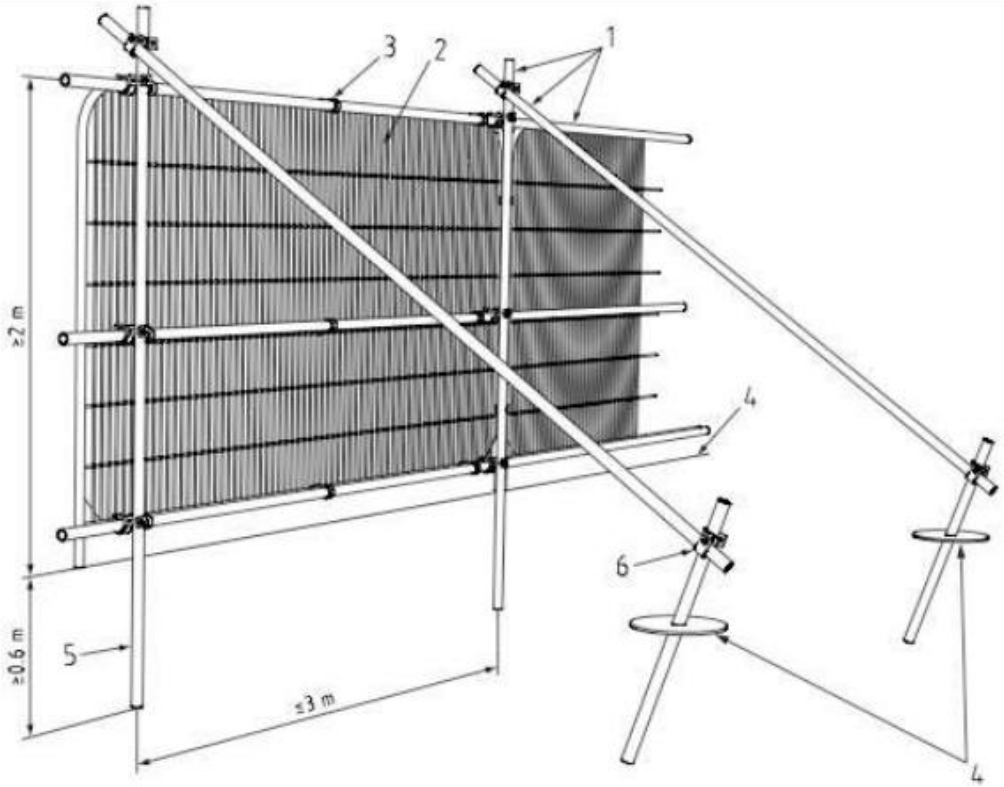
- material storage
- mixing of cement-based or other building materials
- storage of fuels

The tree protection must remain in place until work is completed and there is no risk to the RPAs.

Once construction has been completed and any landscaping phase is complete, the protective fencing may be removed.

Tree protective fencing

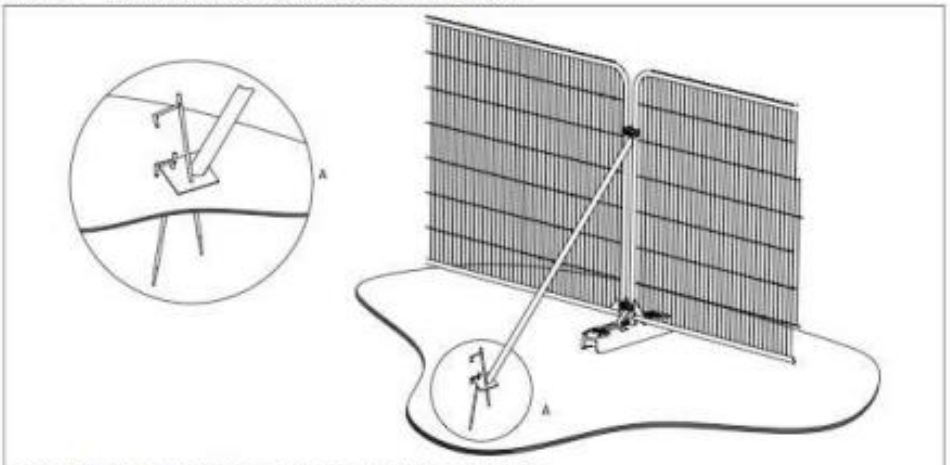
Figure 2 **Default specification for protective barrier**



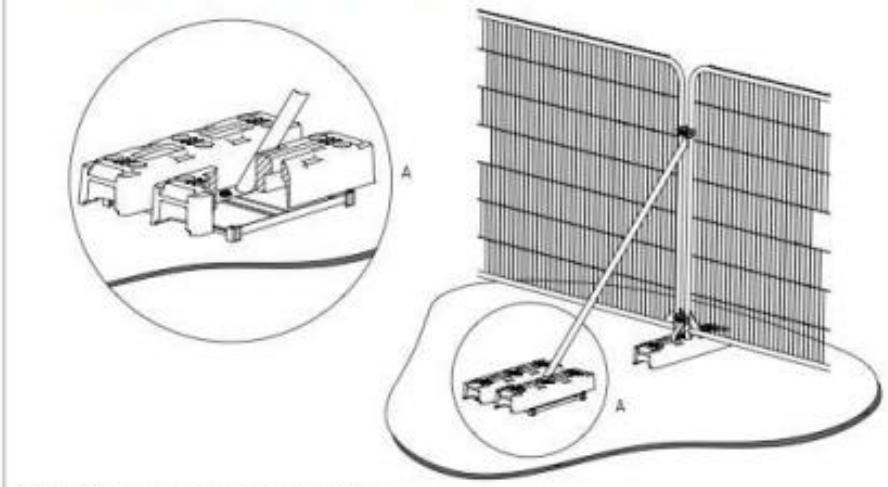
Key

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

Figure 3 **Examples of above-ground stabilizing systems**



a) Stabilizer strut with base plate secured with ground pins



b) Stabilizer strut mounted on block tray

TREE PROTECTION AREA

KEEP OUT!

ANY INCURSION INTO THE PROTECTED AREA MUST BE WITH THE AGREEMENT OF THE LOCAL AUTHORITY OR ARBORICULTURAL CONSULTANT