

BARN COTTAGE

TREE RETENTION AND PROTECTION PLAN ARBORICULTURAL ASSESSMENT

Arboricultural Impact Assessment Report

Introduction

The following report describes the existing site at Barn Cottage, Meadow Farm Nursery, Hayling Island, the nature of the development proposals and the relationship and impact of the proposed development upon the existing trees within the proximity of the proposed development.

Existing Site

The proposed development relates to a new pitched roof over the existing dwelling. There are a number of trees along the eastern boundary with a TPOd tree to both the north and south. with 9 Middleton Road.

The existing trees within and adjacent to the site boundary of the development site have been surveyed and recorded; the impact of the proposed development on the existing trees has also been indicated within the drawing *Drawing 9 — Tree Protection*.

Proposed Development

The development proposals comprise the construction of a new pitched roof over the existing dwelling. The only ground works involved are the construction of 3no foundation piers for the supporting oak posts on the west side of the dwelling.

Tree Removal

None.

Impact Assessment and Tree Protection

In accordance with BS 5837:2012 - '*Trees in Relation to Design, Demolition and Construction*' Ground Protection Measures and Tree Surgery Works shall be required in order to allow for the viable retention and future development of the retained trees through the construction period.

Mitigation Measures and Precautionary Design

Whilst the default recommendation within BS 5837:2012 - '*Trees in Relation to Design, Demolition and Construction*' is that any proposed structures should be situated outside of any RPA of trees to be retained, where constraints are such that construction justifiably impinges the root protection area, it should be demonstrated that:

- The trees remain viable and that the area lost to encroachment will be less than that which currently exist;
- The soil environment within the RPA be improved with mitigation measures.

The trees shall undergo additional Tree Protection and Ground Protection Measures in accordance with *BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction'*. These shall include Tree Protective Fencing in order to protect the SPA of these trees and guard against any damage to the tree roots.

Ground Protection Measures shall include the employment of a Manual Excavation Method within the areas so indicated on Drawing 9. In addition, I have shown a 'No Excavation Zone' to reaffirm that no excavations are proposed in this area.

Clearly protective fencing needs to be 1m away from the edge of the building in order to allow the erection of scaffolding. Accordingly within the area between the new build and the protective fencing temporary ground protection shall be installed during the course of the works. The use of Ground Guards Protective Matting or side butting scaffold boards on compressible layer on geotextile layer are recommended – see drawing and photograph below.

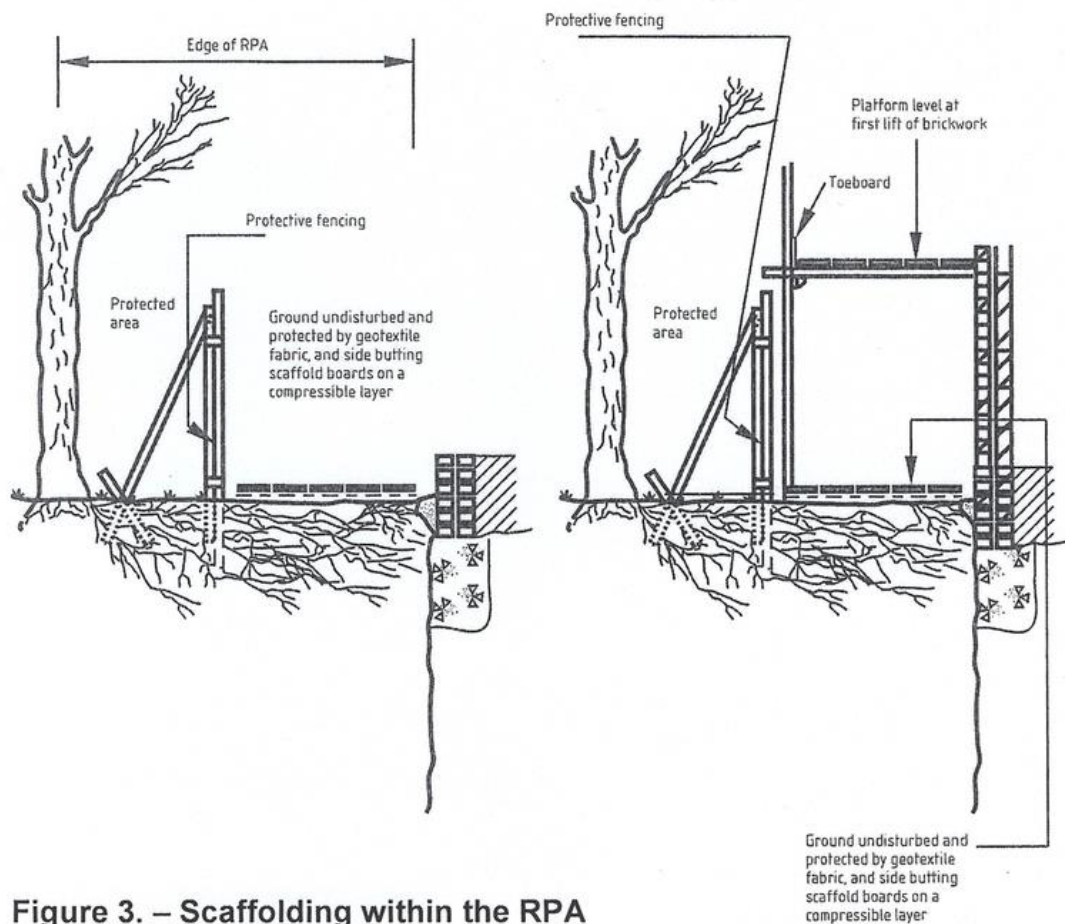


Figure 3. – Scaffolding within the RPA



Ground-guards protective matting

Conclusion

The existing trees to be retained along the eastern boundary of the proposed development site offers amenity value within the current rural context of the site. Whilst they cannot be seen from public viewpoints they provide an general amenity function.

All Existing Tree and Ground Protective Measures and Tree Protective Fencing shall be laid out in accordance with that set out on Drawing 9. The protective fencing will be erected and ground protection boards or matting laid BEFORE any works commence on site.

The impact upon the existing trees within the immediate vicinity of the development site is considered to be mitigated within the development proposals in accordance with *BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction'*.

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