

Ecology + Tree Statement.

Extension to barn, Clayton House, Lodge Hill, HP17 0UR.



Existing horticulture barn and archive.



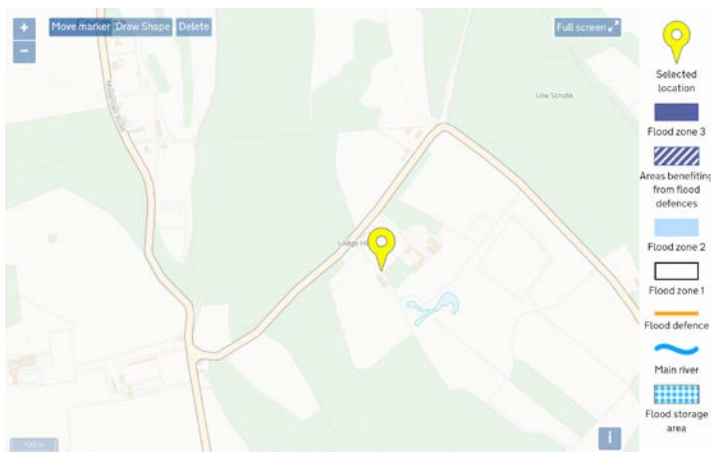
Site of proposed lift shaft and lean to

SITE ASSESSMENT:

The site sits at the top of Lodge Hill. The barn is surrounded by a concrete apron to three sides and a combination of gravel and concrete to the rear. There are no fences or structures fixed to the barn, this allows animals to move around the site freely. Approximately 11.5m from the barn is a row of Leylandii trees.

The existing barn was constructed in 2010. The ground floor is a 'suspended beam and block structure, this required excavation of a large area of ground to create the necessary sub-floor voids. Since the barn was constructed there has been no change to the health of the trees.

The barn is well insulated and is used on a daily basis, there is no presence of any bats.



The site has not been identified as being at risk of flooding.

DESIGN:

The area of ground where the extension is proposed is currently covered by a concrete slab. The lift shaft that has been selected has a 'pit' of only 300mm limiting the need for deep excavations.

The floor area of the lift shaft is less than 5m². Whilst it is anticipated that any roots in the vicinity of the building were removed in 2010 during the construction phase, should any roots be present in the area of the extension any damage will be limited and not affect the long term viability of the trees.

The lean to will not require strip footings – pad footings will be added under each timber post.

No fencing or walls are proposed – this will ensure that animals can continue to roam freely around the site.



Typical bat box

A bat box will be added to the South East elevation of the lift shaft at high level.

Trees:

Adjacent to the site are a number of coniferous trees. The trees are approximately 8m from the proposed lean to and are separated by a concrete service apron. In the 10+ years the service road has been in place there has been no signs of any cracking of the concrete apron.

The new lean-to structure is lightweight in nature and will only require a modest strip footing in places with a pad under each post. The trees will not require removal or any pruning to facilitate the construction of the proposed extension.

SUMMARY:

- No known natural habitats will be disturbed as a result of the works.
 - No trees will need pruning or removing to allow for the works to proceed.
 - The site is not at risk of flooding.
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