



Hurst Grange Farm House, Hurst



Biodiversity and Ecology Statement

In support of a Householder Planning application for two storey side extensions with an extended front porch following demolition of conservatory. Associated internal and external alterations.

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1.0 Biodiversity and Ecology Assessment

Ecology and Biodiversity Assessment

The site in its existing state is considered to be of limited ecological interest in terms of habitats and species with the property having a side and rear garden laid to lawn with mature hedgerow to the western, northern and southern site boundaries. The gravel vehicular access drive and parking area is located on the eastern boundary with hard surface for parking to the frontage which is concealed by the hedgerow to the Pound Lane frontage.

The existing garden use of the site, located some distance from a water source with a highway adjacent means that the site is considered unsuitable to support badgers, dormice, water vole, otter, reptiles, or great-crested newts which are protected species. The proposed development is assessed as being of low risk of impact on these protected species.

With the proposed addition of Bat and Swift boxes, there will be a clear biodiversity net gain in line with national and local policy requirements.

Protected species - Bats

The applicant understands that all bats and their roost sites are protected under the Wildlife and Countryside Act 1981 (as amended) and Conservation of Habitats and Species Regulations 2010 from disturbance and harm.

The proposed works require the extension of the existing tiled roofed porch and extension to the existing roofing when the new roof is constructed. New works comprise a clay tiled roof to the 2 storey extensions and the construction of a clay tiled roof porch. These works are assessed as minimal risk of bat disturbance being located away from the main roof. Proposed works do not impact the existing tile hanging to the rear elevation.

An inspection of the main roof covering shows it to be in good condition with works to install solar panels having recently been completed. The proposed works are therefore assessed as low risk of Bat disturbance.

Other protected species under EU Regulations

Trees

A tree report is appended

Protection of Breeding Birds

The applicants are aware of their responsibilities under the Wildlife and Countryside Act 1981. Whilst it is not intended to remove or otherwise destroy habitat currently used by breeding birds, care will be taken to minimise disturbance to birds nesting boundaries between March to August.

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1.1 Biodiversity Enhancements

Biodiversity Enhancements

The application proposes to include 1no. Swift box and 1no. Bat box located on the NW gable elevation

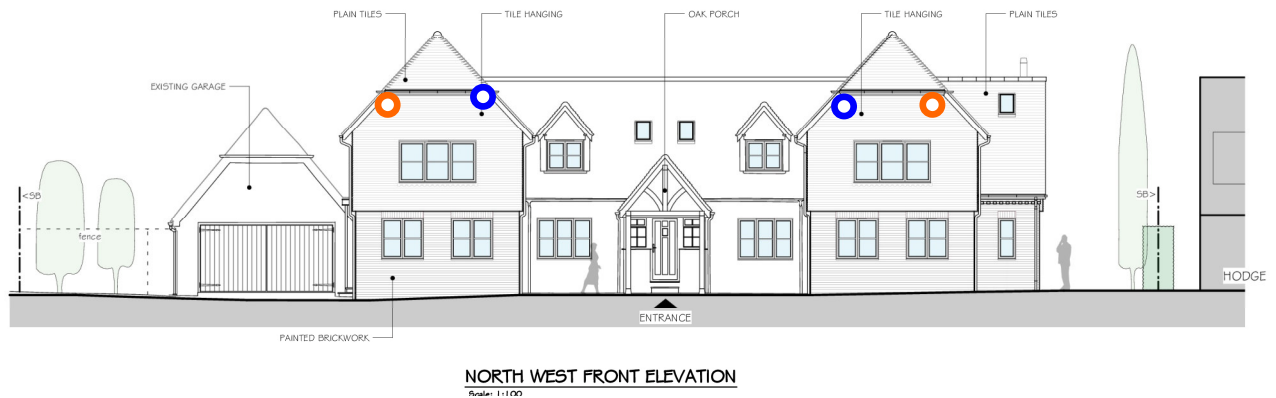


Fig 24025.02 NorthWest Gable Elevations with Bat + Swift boxes

- Blue—Swift Box
- Orange Bat Box



Chillon Woodstone Bat Boxes and Swift Boxes located under eaves

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2.0 Surface Water Drainage + Collection

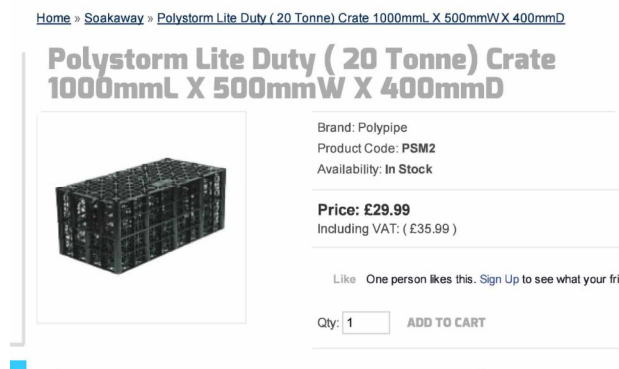
Sustainable Drainage : Drainage Crate Soakaway to tiled roof and hard paved areas to building perimeter.

Incorporates the implementation of sustainable drainage methods (SuDS) in accordance with best practice and the proposed national standards.

Drainage strategy for surface water run-off from the site.

Note: There are no public SW drainage systems near the site. The site is not located in a critical drainage area. Paved areas are designed to drain onto surrounding soft and SUDS drainage areas. Permeable paved areas are designed and constructed in accordance with Manufacturer's guidelines. Permeable areas are constructed on a permeable sub-base material such as Type 3 or reduced fines Type 1 material as appropriate.

Tiled Roof and perimeter hard paved areas will be drained via rwp and gully to surface water crate soakaways located in the rear garden sized in accordance with Building control requirements. The crates will be specified with a surrounding permeable membrane so that storm water will be retained on site for slow release into the ground after a flood event.



Surface water soakaway construction

The soakaway capacity will be determined by a ground porosity test to the satisfaction of Building Control. In accordance with good practice and planning guidance, all hard roof areas, perimeter hard paving are specified as SUDS or drained to Soakaway.



Rainwater Collection

Before overflow release to the soakaway, rainwater will be collected in a Water Butt for use for landscape irrigation.