GENERAL NOTES: Do not scale from drawings. Refer to figured dimensions only.

6 no. log piles

External lighting scheme within

10 no. swallow cups to be installed on the gable walls facing into the covered garden store. Cups to be installed at a minimum of 1m apart at high level under the soffit

of the bat loft.

the proposals to take account of foraging and commuting bats. Where required, scheme to utilise low level lights with UV filters and directional shrouding to eliminate unnecessary light spillage. Floodlighting to be avoided unless installed on a short timer.

located in meadow

This drawing is to be read in conjunction with the Ecological Survey Report prepared by Ridgeway Ecology accompanying the planning application.

PLANNING 00 14.09.20 Planning application No. dd.mm.yy Revision note

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Drawing title

Site Plan **Ecological Mitigation** & Enhancement

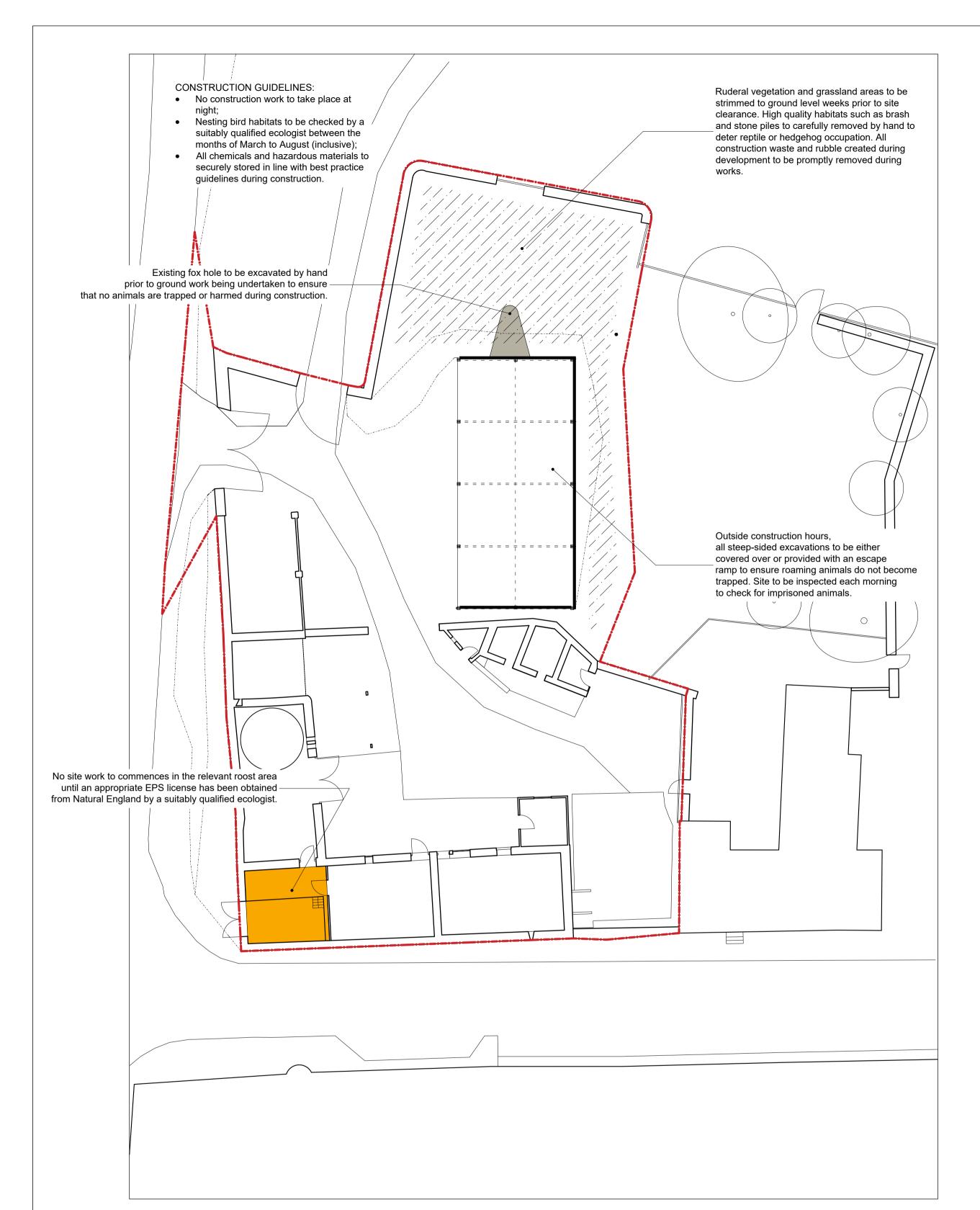
Drawing size

1:200 @ A1

Mr and Mrs Broom

Drawing number

PA-103



01 Existing Site Plan
1:200 - Pre construction mitigation

Biodiversity Enhancement Analysis Existing Site Provision Proposed Provision Bats The existing barn range offers moderate roosting potential. Evidence of Bat boxes are to be installed within a 4m x 4m bat loft. The roosting Three purpose-built bat boxes installed in a tailor-made protected loft space in +3 Greenwood EcoHabitat bat boxes space is to be accessed via two openings in the roof and one active use was recorded by project ecologist during assessment. One accordance with specialist guidance. Each box to provide roosting crevices +16m² of new purpose-built roosting space barbastelle bat was found roosting against the roof timbers of the 200x150mm opening in the floor structure of the loft suitable for large colonies. southern barn range Nesting birds Two active swallow nests were recorded inside the existing barn range New swallow cups are to be installed on gables facing into covered Nesting potential inside the application boundary is to be enhanced through the +10 Swallow nesting cups as part of preliminary ecological appraisal. Grey tit, blackbird, blue tit garden store as replacement nest sites for the resident flight. A new provision of a new native hedgerow and nesting cups. Short perennial +27 linear metres of high-quality hedgerow vegetation and poor semi-improved grassland would be replaced with butterfly and crow were also observed inside the application boundary high-quality native hedgerow will also be planted to enhance potential nesting opportunities inside the application site border planting, comprising nectar rich flora such as Buddleia, Lavender and Verbena bonariensis +21m² new dry stone wall Reptiles & small The north of the application site offers areas of tall ruderal vegetation Method statements during construction are to be modified to manage Careful management of the construction process aims to limit the potential for mammals and dry stone walls that are a suitable habitat for reptiles and other the risk of harm to reptiles and small mammals. Measures include harm. The provision of high quality planting and purpose-built habitats, such as (exposed wall face calculation) small mammals. As part of the ecological investigation, One fox hole limiting construction to daylight hours, carefully removing existing of log piles after construction will enhance provision and offset any loss of existing hole has been identified in the vicinity of the modern steel barn. wood/brash/stone piles and the provision of escape ramps from deep habitat. All existing dry stone walls located inside the application boundary are excavations. The proposed landscape design is to include a minimum to be retained and rebuilt, with several new structures being added of six log piles for the reptiles, amphibians and hedgehogs The proposals include the provision of log piles, nectar-rich borders, Invertebrates The existing site has no hedgerows and only contains vegetation of The proposals focus on replacing common habitats that lack botanical diversity +6 log piles with those of native origin and have greater value to protected species. Poor +134m² of meadow grass and wildflower limited value to invertebrates. While several debris piles exist as a areas of meadow grass and wildflowers for the benefit of invertebrates. remnant of site's previous use, these offer negligible benefit the local semi-improved grassland, Short perennial and tall ruderal vegetation is to be The crevices formed in new dry stone walls will supplement existing planting +93m² of butterfly borders

replaced with nectar-rich and sustenance supporting planting that will attract a diverse array of native fauna.

provision and provide additional habitat for slow worms, bees and

wasps.

02 Proposed Site Plan

1:200 - Proposed site mitigation measures

Bat loft to be constructed to minimum floor area of 4m x 4m and a ridge height of 2m. Bat access to be via a minimum of 2 openings in the roof covering as well as a 200mm x 150mm opening in the floor of the loft incorporating a bird-deterrent cowl that will also serve to reduce light ingress. 3 x "Greenwoods EcoHabitats Three-Crevice" bat boxes, or similar, to be installed within the loft and suitable for barbastelle bats. Small access hatch to be incorporated in the soffit for monitoring -400mm square - and signage attached to the hatch or nearby, stating that the loft contains protected species and any disturbance or destruction is an offence. The phone number of the ecologist will be included on the sign for

BIODIVERSITY ENHANCEMENTS:

Butterfly friendly borders;

Bird boxes.

Wood piles for insects; and

Meadow grasses with wildflowers

New mixed, native hedgerow planting;