

Drawing to be read in conjunction with the Preliminary Ecological Appraisal v3 prepared by Biome Consulting Ltd, dated 13.07.21.

**NEST BOXES**  
Install 2 general nest boxes (e.g. Schwegler 1B nest box, 32mm hole suitable for sparrows) on a nearby wall (within/near vegetation) or tree.

**BAT BOXES**  
Install 2No. Schwegler 2F bat boxes with double front panels on trees around the periphery of the site and 1No. Schwegler 1FF bat box with built-in wooden rear panel on a retained building.

See The Bat Conservation Trust guidelines ([www.bats.org.uk](http://www.bats.org.uk)).

**HEDGEHOG BOX**  
Install 1No. hedgehog box in a sheltered location.

**LIGHTING**  
The lighting scheme will be drawn up in line with ILP and BCT guidance note 08/18 Bats and Artificial Lighting in the UK (<https://www.theilp.org.uk/documents/guidance-note-8-bats-and-artificial-lighting/>) All proposed new external lighting will be directed away from any vegetated boundary features to retain dark corridors for commuting bats across the site. There will be no direct illumination of the bat boxes once installed. The following should be considered when choosing luminaires to minimise the impact on bats:

All luminaires should lack UV elements when manufactured. Metal halide, fluorescent sources should not be used.

LED luminaires should be used where possible due to their sharp cut-off, lower intensity, good colour rendition and dimming capability.

A warm white spectrum (ideally <2700Kelvin) should be adopted to reduce blue light component.

Luminaires should feature peak wavelengths higher than 550nm to avoid the component of light most disturbing to bats.

Internal luminaires can be recessed where installed in proximity to windows to reduce glare and light spill. The use of specialist bollard or low-level downward directional luminaires to retain darkness above can be considered. However, this often comes at a cost of unacceptable glare, poor illumination efficiency, a high upward light component and poor facial recognition, and their use should only be as directed by the lighting professional.

Column heights should be carefully considered to minimise light spill.

Only luminaires with an upward light ratio of 0% and with good optical control should be used.

Luminaires should always be mounted on the horizontal, ie no upward tilt.

As a last resort, accessories such as baffles, hoods or louvres can be used to reduce light spill and direct it only to where it is needed.

**NOTES**

Drawing for planning only  
All measurements to be checked on site

Revision	Description	Date
-	-	-

**project**  
CARTSHED AT CHURCH FARM

**project no.**  
1225

**client**  
MR AND MRS DIXON

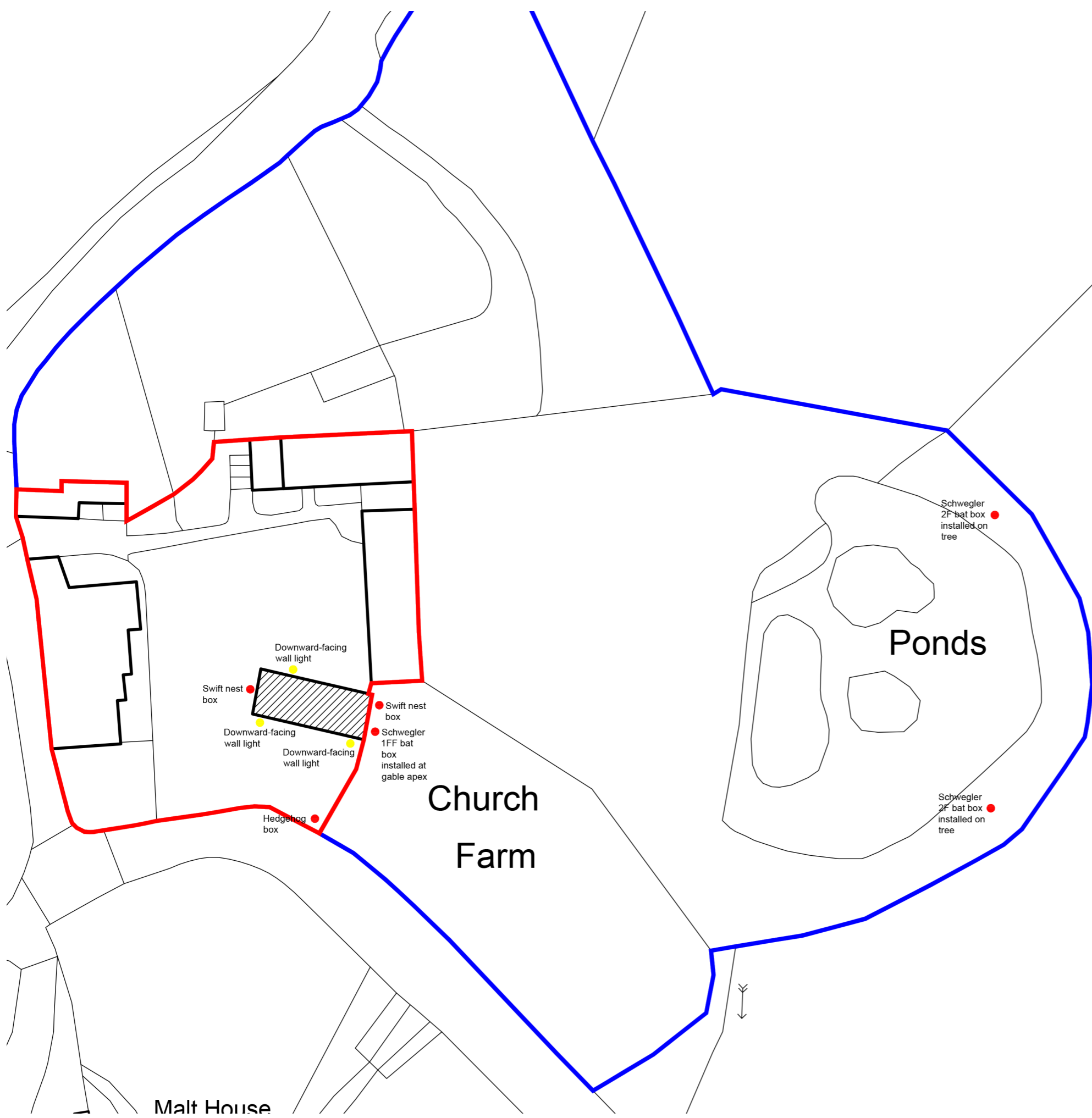
**drawing**  
PROPOSED LIGHTING AND NEST BOX LOCATION PLAN

**drawing no.**      **revision**  
**12**                      **-**

**status**  
PLANNING

**scale**                      **date**  
1:500@A3                      02.08.21

**drawn by**  
AB



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