



PATERSON MACAULAY & OWENS

Scheme for Biodiversity Enhancement

**5 Rackery Hall Mews, Llay,
Wrexham LL12 0QB**

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Revision:

Scheme for Biodiversity Enhancement

5167 – PROPOSED REAR EXTENSION AND INTERNAL ALTERATIONS AT 5 RACKERY HALL MEWS, LLAY, WREXHAM LL12 0QB.

This document should be read in conjunction with the following:

- 5167 – L02 – Proposed Block Plan & Elevations

BIRD BOXES



Figure 1 Woodstone Seville Nest Box 32mm opening.

Install a Woodstone Seville Nest Box 32mm opening width 20.5cm Height 31cm and length 20cm wall mounted on the rear wall of the existing dwelling, as shown on the attached plan and marked (1) facing a north westerly direction to attract Great Tits, Tree Sparrows and House Sparrows, make it a safe haven for birds to nest by ensuring they are at a height so they are not disturbed by predators, NHBS suggest a minimum height of 2m above ground.

Install a Woodstone Barcelona Open Nest Box width 19cm Height 25.5cm and length 17cm wall mounted on the rear wall of the existing dwelling, as shown on the attached plan and marked (2) facing a north westerly direction to attract Robins and Wrens, make it a safe haven for birds to nest by ensuring they are at a height so they are not disturbed by predators, NHBS suggest a minimum height of 2m above ground.



Figure 2 Woodstone Barcelona Open Nest Box

Both boxes are to be angled so that they are not in full sunlight or have a prevailing wind blowing straight into the boxes and should be fitted during the autumn following the works to provide refuge for birds during the winter period with a view to attracting birds to nesting in spring, in line with the recommendations of the NHBS. The boxes should then be cleaned once a year in the autumn months, ensure the boxes are not cleaned before the end of August as they may still be occupied until that point in time. As per the manufacturers' specification to clean the boxes you turn the two screw hooks at the front 180 degrees, the front of the nest boxes can then be removed. If a second brood follows, the nest boxes must be cleaned again in the late autumn. The reliability of the suspension must also be checked annually. Wear gloves and use a small brush or scraper to remove debris from the corners. Boiling water can be used to kill any parasites remaining in the boxes but leave the lid off to allow the boxes to dry out before rehang.

To further encourage birds to the site a bird feeder/table and bird bath will be situated within a quiet area of the site as shown on the attached plan and marked (3).

BAT BOXES



Figure 3 Vivara Pro Large Multi Chamber WoodStone Bat Box

Large Multi Chamber WoodStone Bat Box by Vivara Pro to be installed on the Northeastern elevation of the existing dwelling, as this will be a quiet space and the existing large natural hedging either side of this location will thereby encourage bats to nest as shown on the attached plan and marked (4). This will mean the box will be facing in an easterly direction providing access to the garden to the northeast and open countryside beyond. In addition, ensuring the box is installed at a height so any bats are not disturbed by predators, along with allowing sufficient space to drop down before taking flight, it is recommended by the manufacturer that a height of between 3m and 6m above ground is used. The box has a removable front panel to allow for cleaning, however once occupied, the box may only be disturbed by licenced bat workers.

Additionally, a Vivara Pro Miramare Large WoodStone Bat Box is to be installed within the treeline on the north easternly boundary of the site, as this will be a quiet area of the garden and the existing thick natural hedging below this location will thereby encourage bats to nest as shown on the attached plan and marked (5). This will mean the box will be facing in a south westerly direction providing access to the garden along with access to the adjoining open countryside to the north. In addition, ensuring the box is installed at a height so any bats are not disturbed by predators, along with allowing sufficient



Figure 4 Vivara Pro Large Miramare WoodStone Bat Box

space to drop down before taking flight, it is recommended by the manufacturer that the box is installed at a height between 2m and 5m above ground. The box is self-cleaning and designed to allow droppings to fall out from the entrance slot at the rear to remove the need for maintenance.

Both boxes should be positioned to ensure an adequate amount of direct sunlight received, with the ideal being 6-8 hours, and avoid locations where the boxes can be disturbed by bright lights at night such as porch and security lights. The boxes should be installed following the completion of the works, ideally during the spring prior to any bats emerging from hibernation to maximise the chance of the box being used in early summer.

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