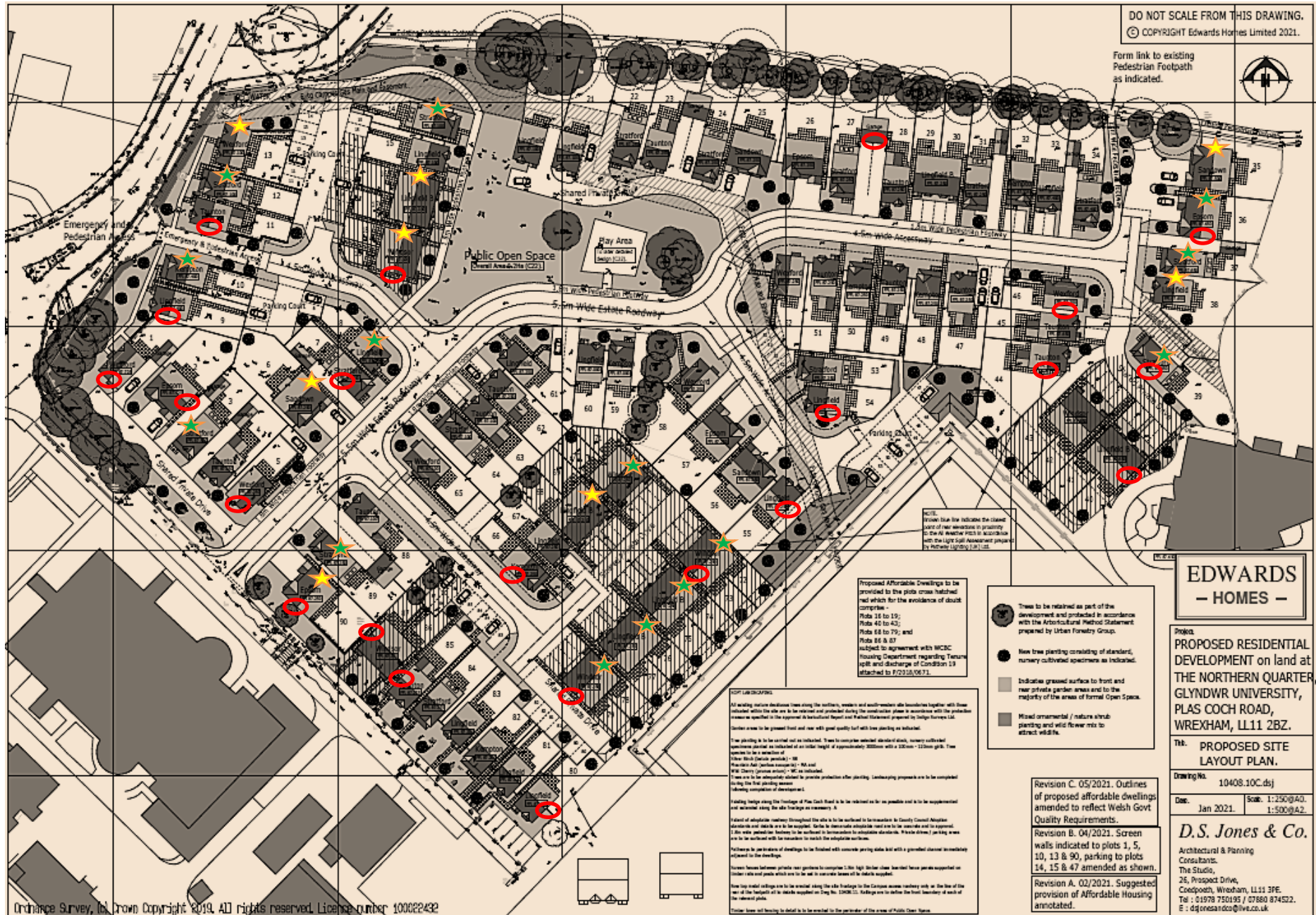


Appendix III – Glyndwr University – Bat & Bird Box Plan



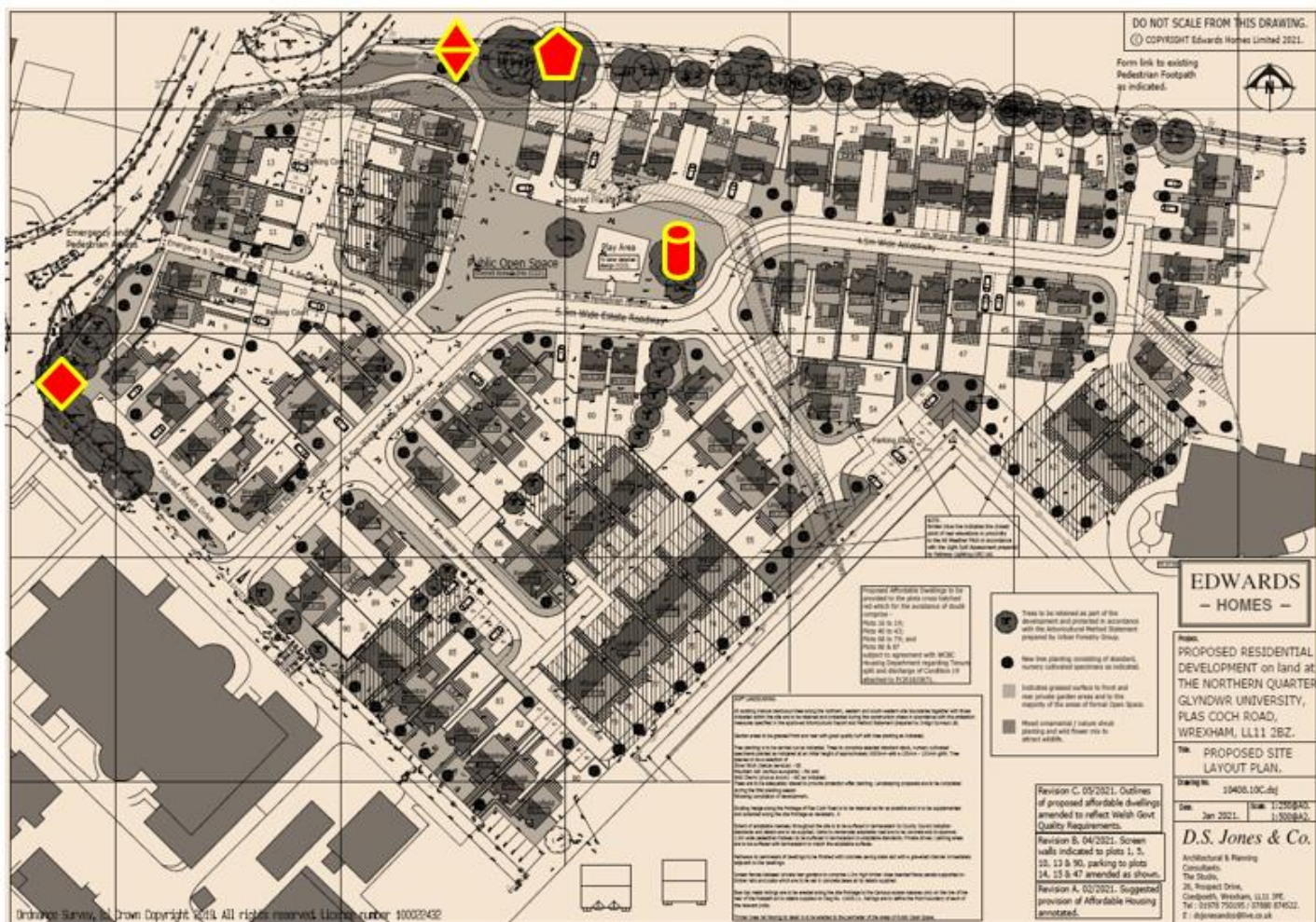
Appendix III – Glyndwr University – Bat & Bird Box Plan

Product Type (other types are available)	Quantity	Description	Installation location												
Vivara Pro Cambridge Brick-faced Swift Nest www.nhbs.com/vivara-pro-cambridge-swift-nest-box  	8	About this product: A lack of suitable nesting sites is thought to be one of the main reasons behind the decline in swift populations. The Cambridge Swift Nest Box provides a low-cost and long-term nesting solution for swifts. There are two parts, a concrete nesting chamber that is designed to go into a cavity and a half brick facing to blend into an external wall with a choice of either red or buff facing bricks. When installed the box is discreet and does not impact the building's aesthetic. This nest box should be sited at a height of at least five metres, with a clear flight path to the entrance. Avoid south facing walls. Specification: Nesting Block: * Height: 21.5cm, * Width: 44cm, * Depth: 25cm, Facing Brick: * Height: 6.5cm, * Width: 21.5cm, * Depth: 5cm, * Entrance hole: 6.5 x 2.9cm Total weight - 12.6kg	See Keyed Layout above – north facing elevations at/near to gable apex												
Integrated Bird Box www.birdbrickhouses.co.uk/brick-nesting-boxes/integrated-bird-box/  	14	The back of the box protrudes into the cavity by around 25mm or 1"; the swift and starling boxes, being larger protrude by around 65mm or 2.5" – margins which avoid bridging the cavity. While our core business is bulk manufacturing for fitting in new housing estates and industrial units (to counter the inevitable loss of habitat), Bird Brick Houses can be supplied for retrofitting into an existing structure, individually if required. Our brick matching service includes the collection of bricks from the site, bricks which are then used to construct the Bird Brick Houses specified. The finished bird homes are returned ready to fit. We also hold a supply of some commonly used bricks – please contact us for details. An efficient manufacturing process allows us to deliver most orders within a working week following the safe receipt of bricks from the site. The table below covers the most common species that are likely to be attracted, together with siting guidance. It is not an exact science, and it may be found that species other than the ones which may be targeted take up residence instead. It can also take time for birds and bats to start using the boxes. <table><tr><th>SPECIES</th><th>HOLE SIZE & TYPE</th><th>RECOMMENDED HEIGHT ABOVE GROUND</th></tr><tr><td>Blue Tit</td><td>28mm diameter</td><td>1.5 – 5 metres</td></tr><tr><td>Coal Tit</td><td>28mm diameter</td><td>1.5 – 5 metres</td></tr><tr><td>Crested Tit</td><td>28mm diameter</td><td>1.5 – 5 metres</td></tr></table>	SPECIES	HOLE SIZE & TYPE	RECOMMENDED HEIGHT ABOVE GROUND	Blue Tit	28mm diameter	1.5 – 5 metres	Coal Tit	28mm diameter	1.5 – 5 metres	Crested Tit	28mm diameter	1.5 – 5 metres	See Keyed Layout above – north facing elevations – see Table for recommended heights
SPECIES	HOLE SIZE & TYPE	RECOMMENDED HEIGHT ABOVE GROUND													
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Appendix III – Glyndwr University – Bat & Bird Box Plan

Product Type (other types are available)	Quantity	Description	Installation location
		Great Tit 28mm diameter 1.5 – 5 metres Grey Wagtail 30mm square cut out 2 – 8 metres House Sparrow 34mm diameter 2 – 10 metres Nuthatch 34mm diameter 3 – 10 metres Pied Fly Catcher 34mm diameter 2 – 4 metres Redstart 40mm diameter 3 – 10 metres Black Redstart 40mm diameter 2 – 8 metres Spotted Fly Catcher 60mm diameter 2 – 5 metres Starling 50mm diameter 3 – 10 metres Tree Creeper 34mm diameter 1.5 – 5 metres Wren 28mm diameter 1 – 4 metres	
Integrated Eco Bat Box 	22	Specification * Materials: Recycled LDPE plastic outer with internal FSC OSB roost chamber * Construction: Outer panels welded, internal chamber formed from stapled panels * Finish: Black carcass with red, green or black front panels * Dimensions: 44cm H x 21.5cm W x 11.1cm D * Entrance: 17mm wide * Internal (Cavity): Open roost chamber, 60mm wide * Internal (Crevice): Two crevices, 22mm wide * Weight: 3kg * Access: No access once fitted, self cleaning, droppings fall out of entrance slot * Fixing: Held in brickwork by mortar/sealant	See Keyed Layout above – south facing elevations where possible

Appendix III – Glyndwr University – Bat & Bird Box Plan



Schwegler Bat Box 2FN*	Bat Hibernation Box 1FW*	1WQ Schwegler Summer & Winter Bat Roost*	Eco Rocket Bat Box*
			
*Use reputable equivalent boxes if exact models are not available.			

Appendix III – Glyndwr University – Bat & Bird Box Plan

Bat boxes for Trees

- Schwegler Bat Box 2FN – a larger box with both a wide access slit at the base and an access hole on the underside. This box is particularly successful in attracting larger species of bats.
- Bat Hibernation Box 1FW – Suitable for clinging and crevice dwelling bat species and ensures safe hibernation of bats as well as nursery roosts and colony formation in the summer.
- 1WQ Schwegler Summer & Winter Bat Roost - suitable for larger and smaller bat species and is designed for the safe hibernation of bats in the winter as well as for roosting and raising young.
- Eco Rocket Bat Box – This can be purchased either for crevice dwelling species or cavity dwelling species and does not have to be mounted on a tree or building.

*Reputable alternatives can be sourced from www.greenwoodsecohabitats.co.uk where Schwegler boxes are unavailable.