

Proposed Environmental Features of the dwelling to include:

Dwelling to be built to an air tightness of < 3 m3/hr/m2 with building orientated to maximise solar gain, and with a Mechanical Ventilation Heat Recovery System (M.V.H.R) to massively reduce the amount of space heating required.

Solar PV Tiles integrated into the south facing roof

Air Source Heat pump and underfloor heating

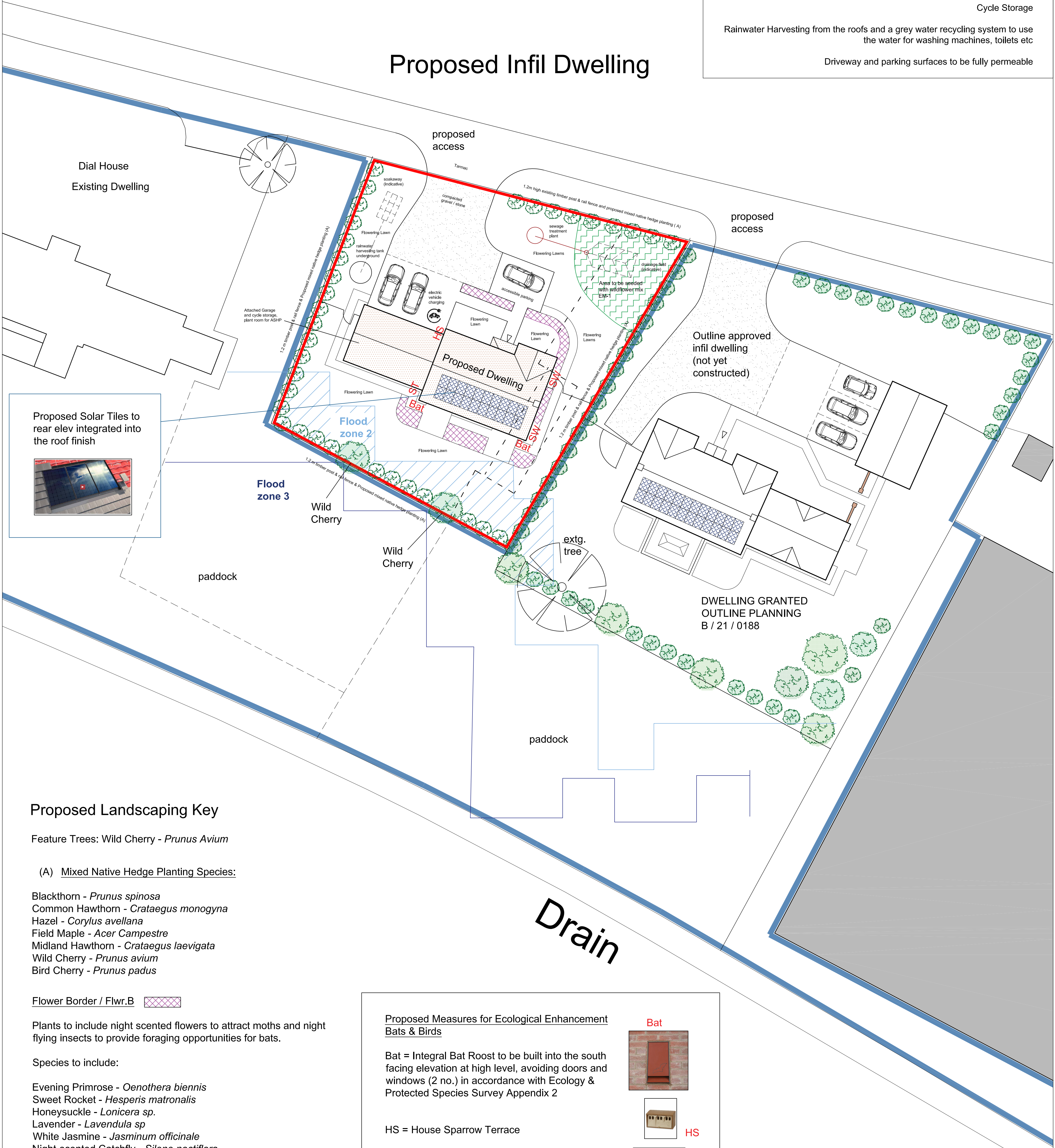
Electric Vehicle Charging point

Cycle Storage

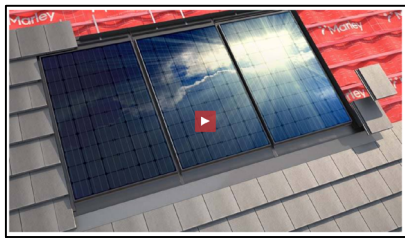
Rainwater Harvesting from the roofs and a grey water recycling system to use the water for washing machines, toilets etc

Driveway and parking surfaces to be fully permeable

Proposed Infil Dwelling



Proposed Solar Tiles to rear elev integrated into the roof finish



Proposed Landscaping Key

Feature Trees: Wild Cherry - *Prunus Avium*

(A) Mixed Native Hedge Planting Species:

- Blackthorn - *Prunus spinosa*
- Common Hawthorn - *Crataegus monogyna*
- Hazel - *Corylus avellana*
- Field Maple - *Acer Campestre*
- Midland Hawthorn - *Crataegus laevigata*
- Wild Cherry - *Prunus avium*
- Bird Cherry - *Prunus padus*

Flower Border / Flwr.B

Plants to include night scented flowers to attract moths and night flying insects to provide foraging opportunities for bats.

Species to include:

- Evening Primrose - *Oenothera biennis*
- Sweet Rocket - *Hesperis matronalis*
- Honeysuckle - *Lonicera sp.*
- Lavender - *Lavendula sp*
- White Jasmine - *Jasminum officinale*
- Night-scented Catchfly - *Silene noctiflora*
- Night-scented Stock - *Matthiola longipetala*
- Soapwort - *Saponaria officinalis*

Wild Flower Meadow areas to be seeded EM-1 mix from Emorsgate seeds

Flowering Lawns to be seeded EL-1 mix from Emorsgate seeds

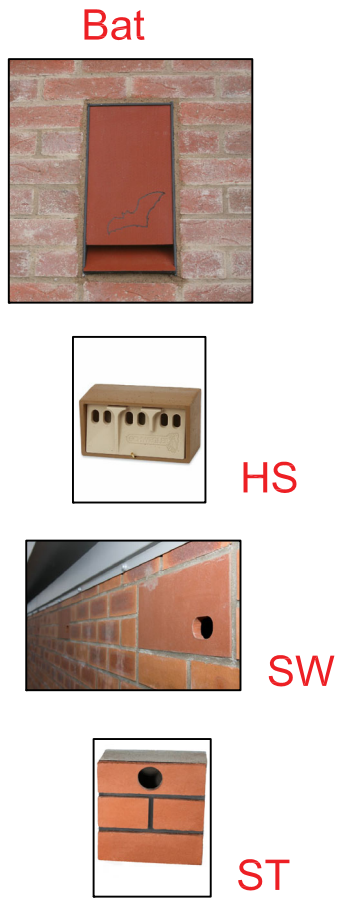
Proposed Measures for Ecological Enhancement Bats & Birds

Bat = Integral Bat Roost to be built into the south facing elevation at high level, avoiding doors and windows (2 no.) in accordance with Ecology & Protected Species Survey Appendix 2

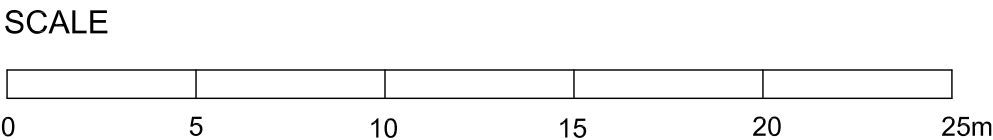
HS = House Sparrow Terrace

SW = Swift Brick

ST = Starling Nesting Box



Proposed Landscape, Environmental & Ecological Enhancements



J M A D Architecture www.jennymcintee.co.uk info@jmadarch.co.uk Tel 07921 003153			
Project:	Proposed Dwelling - Outline Planning	Date:	Sept 2021
Address:	Dial House, Timms Drove Swineshead PE20 3PG	Scale:	1:200 on A1
Client:	Mr & Mrs Claydon	drawn:	JM checked: JM
Drawing Title:	Proposed Landscape, Environmental & Ecological Enhancements Plan	Job No:	21031
		Dwg No:	203