

PART EIGHTEEN

LANDSCAPE ANALYSIS

Ecology & Biodiversity

A COMPREHENSIVE **REWILDING** SCHEME THAT DELIVERS A **30.73%** BIODIVERSITY NET GAIN!

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Landscape Designer.

DD Architects

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Plumpton Pit Stop,
Ditchling Road,
Plumpton
BN7 3AF

Landscape Analysis

Ecology & Biodiversity
The Existing Deteriorated Site

THE HIDE

Land at Caldine Park,
Turners Hill Rd,
West Sussex
RH10 4NB



Plumpton Pit Stop,
Ditchling Road,
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BN7 3AF

DD Architects

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Landscape Analysis

Ecology & Biodiversity
The Proposed Rewilded Site

THE HIDE

Land at Caldine Park,
Turners Hill Rd,
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Habitat Creation & Ecological Enhancements

The comprehensive Rewilding of the site is at the heart of this proposal and is underpinned by the proposed woodland habitat enhancement, creation of new ecology rich habitats, installation of additional ecological enhancements and a 30 year habitat management and monitoring plan of the site.

The sites has been neglected, contaminated and deteriorated since its intervention by the MOD, leaving the site in a very poor ecological condition. The creation of new diverse habitats are a critical component of the rewilding scheme, delivering a 30.73% Biodiversity Net Gain, improving the current poor condition into a thriving ecological landscape (moderate and good) over the next 30 years.

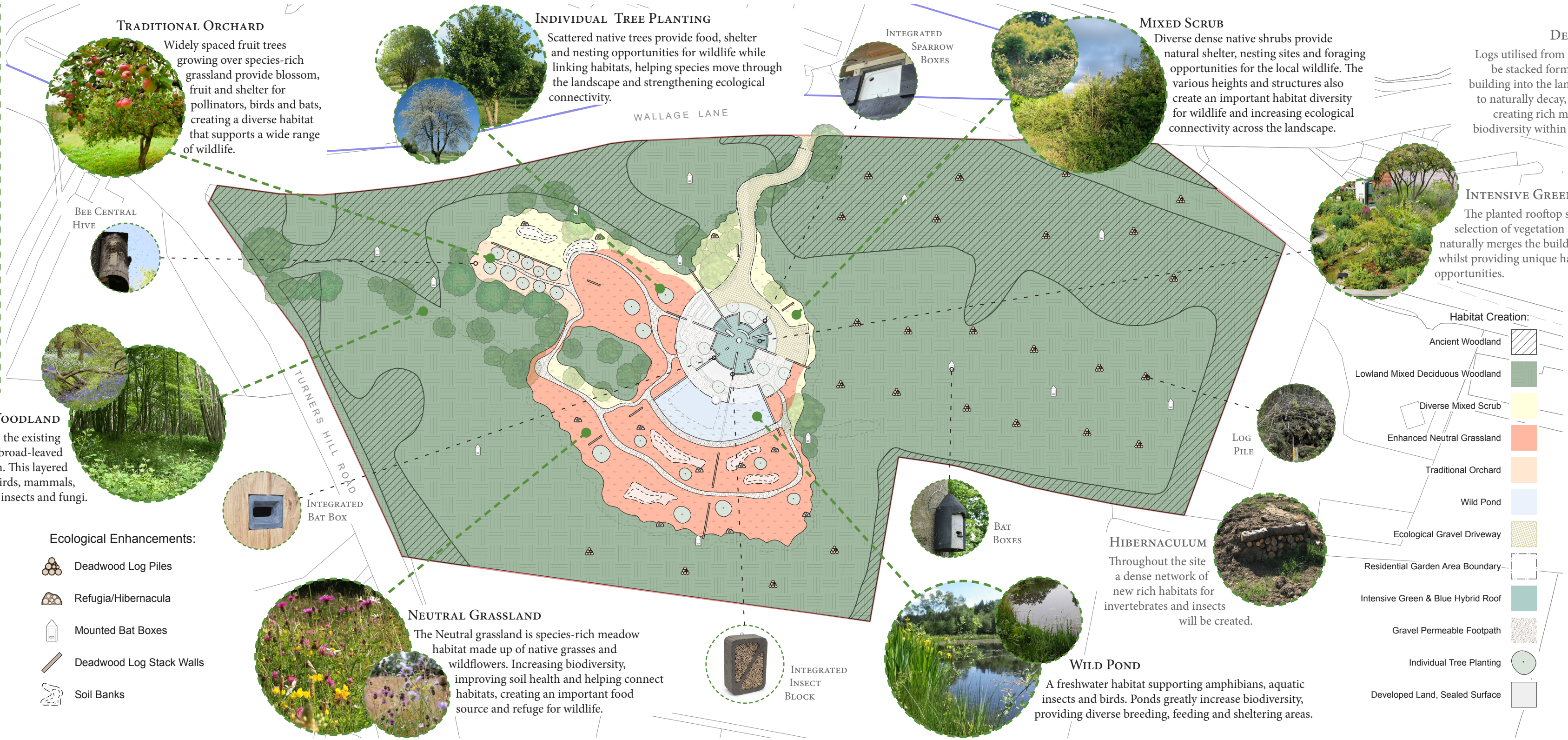
The additional ecological enhancements that are proposed as part of the proposal, do not form part of mandatory (BNG) net gain requirements, but have been proposed to further enhance the local ecology through the creation of further unique habitats and foraging opportunities.

LOWLAND MIXED DECIDUOUS WOODLAND

New native woodland areas will be connected to the existing (enhanced) woodland parcels. To be made of various broad-leaved trees with diverse shrubs and ground plants beneath. This layered structure provides shelter, nesting sites and food for birds, mammals, insects and fungi.

SOIL BANKS

Six raised soil mounds are proposed to introduce topographical diversity, creating various moisture levels, soil conditions, and improved grassland diversity. Increasing biodiversity complexity and encouraging the establishment of ecosystem function across the rewilding scheme.



FEATURES:

- Bird Life Enrichment - the combination of active woodland management, species enrichment and the introduction of a variety of new bird houses/boxes, will provide new habitats and extensive foraging opportunities, enhancing the local bird wildlife to include the nightingale which is a Summer visitor to this part of Sussex.
- Gabion walling (utilising on-site recycled demolition waste) to integrate soil retention within the landscape and provide habitats and foraging opportunities for the local wildlife.
- Utilising established vehicular access track to avoid the creation of an additional access. The Driveway will be reinforced with a Ecological root protection grid to prevent any negative impact onto the ground ecology.
- Built-In Habitats - Empty voids in the 'Ray Wall' boxing of the dwelling will be used to integrate additional ecological enhancements such as bat boxes, house sparrow boxes and insect boxes.
- Residential Garden Boundary - The dwelling area has been clearly defined with fencing running along the border with the rest of the rewilded site left to nature and allowed to flourish.

