

Landscaping and Ecology Enhancements.

- 1 - Wildlife habitat buffer zone fenced with 1.350 m high post & rail fencing.
- 2 - Provision for a reptile and small mammal refugium by a mounded and earth-covered rubble/timber feature.
- 3 -The New hedgerow is to provide a small mammal transit and refuge linear habitat strip as it borders an open field.
- 4 - Fruit Trees: Traditional Herefordshire apple varieties.

Mix to be selected to suit site and pollination times varieties grafted on M9 stock to ultimately provide:

Height: 2m Spread: 2.5m

Distance between trees: 2.5m to 3m

- 5 - Waste / Recycling to be located in basement area.

6 - Meadow Flower Planting.

Meadow flower planting will be introduced to the existing field surface, creating meandering pathways through the newly planted trees, creating new wildlife habitats and corridors.

- 7 - New dwarf stone or brick faced retaining wall with banks battered back using soil stabilisation Geocell by Terram or similar.

- 8 - New pressure treated round timber post and half round rail fencing 1350mm high with stock wire fencing secured to field side.

- 9 - Stone or brick faced retaining wall with battered grass bank to top.

- 10 - BAT Roost - Schwegler 2WI

- 11 - House Martins - Façade Nest No. 11

- 12 - Sparrow Terrace Box Schwegler 1 SP

- 13 - (111) - Core Drive 50-35 HDR gravel stabilizer system installed to manufacturers recommendations with grey gravel finish.

All bat boxes will be located in accordance with the Ecologists guidance and away from excessive artificial lighting.

14 - (110) - Tree Protection.

All existing trees and hedges on the proposed site to remain and where necessary protected as detailed below.

The protection of the existing trees and hedge rows to be retained in accordance with the approved plans and particulars shall be achieved as follows.

- 1: Underground services shall be routed clear of trees to avoid root damage.

- 2: Prior to the building works commencing on site, including any demolition and refurbishment works, an exclusion zone shall be established by the erection of protective fencing around each tree or group of trees, at a minimum radius from the trunk of the tree of 12 times the main stems diameter, measured at 1.5m above ground level.

- 3: The fencing shall comprise of vertical and horizontal framework of scaffolding no less than 2.3m in height and well braced to resist impacts, with vertical tubes spaced at a maximum interval of 3.0m.

Onto this framework install weld - mesh panels or Heras panels fixed using wire or scaffolding clamps. The fence shall be maintained for the duration of the construction activity on site. It shall be constructed and erected in accordance with recommendations published in British Standard 5837: 2012 (Trees in Relation to Construction), Clause 9.2

- 4: No storage of plant or materials, landfill, excavation, burning of materials, cement mixing, movement of vehicles or other such harmful activities identified in British Standard 5837:2005 shall be allowed within the fenced area.

Any excavation work carried out within the Root Protection Zones of the trees to be retained on the app roved plans shall be excavated by hand and any tree roots encountered with a diameter of 5 cms or more shall be left un - severed.

Issue Status:Planning

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Landscaping & Ecology.

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Project number 39 - 2116

Date June 2019

Drawn by C.E. James

Scale As indicated

A1

Hard Landscaping.

- 15 - (100) – New vehicle access to be formed in existing hedge row approx. 6.5m wide.

New access set back a min 4.5m off the carriageway with 3.5 m radius sight lines from a point either side of the driveway and the area in front of the gates / splay lines to be kept free from obstruction and surfaced in Bituminous Macadam (Black). 1 in 15 max gradient.

Tarmac access drive - widened access to highway
approx 1 in 12 gradient.

New area driveway to be instated to the following road construction:

40mm compacted thickness macadam surface course consisting of 10mm nominal size aggregate in bitumen binder.

60mm compacted thickness AC20 binder consisting of 20mm nominal size aggregate in a dense bitumen macadam, laid, levelled, thoroughly rolled and compacted 130mm x 2 layers thick base course AC32 dense bitumen macadam, nom size 32mm min 150mm Type1 granular sub-base max 37.5mm particle size to the Department of Transport Specification for Highway Works (DTP1).CBR assumed to be at least 5% for purpose of specification.

Sub-grade if found necessary that a capping layer is required, selected fill laid in thoroughly compacted layers not exceeding 225mm in thickness.

Formation surface to be treated with weedkiller if necessary.

Flush bull nosed concrete kerbs to BS EN 1340:2003 to be provided at perimeters of tarmac as containment.

Concrete kerbs to be laid on a concrete bed of 150mm thickness, and haunched to thickness of at least 150mm.

Where new tarmac is laid against an existing tarmac surface, the joint to be sealed with a proprietary compound to prevent water ingress.

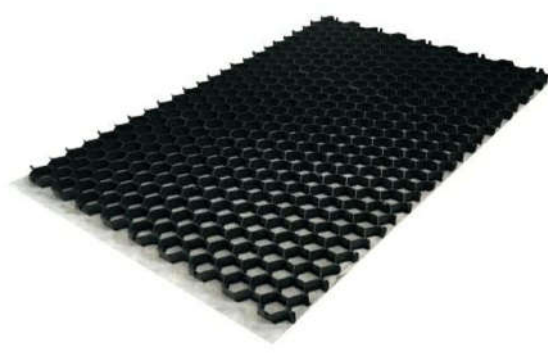
Where work affects the highway, an NRSWA registered accredited contractor must be appointed to undertake the works.

Finished tarmac surface to be laid to fall away from the highway into the grass zone located at side.

Designed gradient of driveway to prevent surface water run-off from highway entering this soakaway area.

- 16 - (104) - 100mm dia approx. Aco Parkdrain or similar installed to manufactures details run to soakaway. (SK) to minimise discharge of storm water from driveway on to highway.

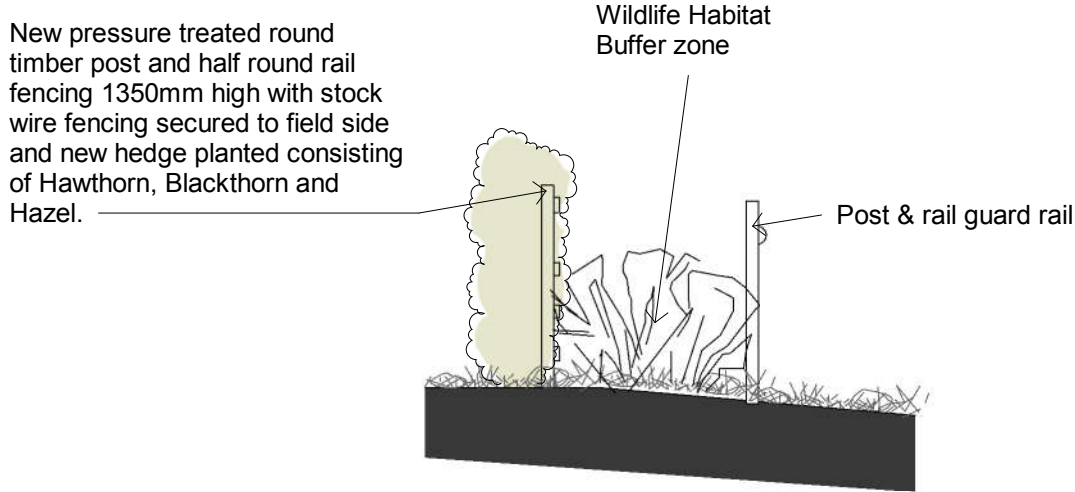
- 17 - (106)– Heavy Duty cellular porous paving with grey gravel finish to voids, installed to manufacturers recommendations. Use Truckcell Heavy Duty Porous Pavers by ABG or similar (SUDS) compliant.



13 - Note : 111. – Core Drive 50-35 HDR gravel stabilizer system installed to manufacturers recommendations with red gravel finish from Stowfield Quarry, Coleford, Glos to match local soil colour.



13 - Note: 104
Truckcell Heavy Duty Porous Pavers by ABG or similar (SUDS) compliant.



Habitat Buffer Zone

1 : 50



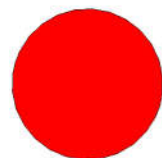
No 10 - BAT Roost - Schwegler 2WI



No 11 - House Martins - Façade Nest No. 11



No 12 - Sparrow Terrace Box Schwegler 1 SP



F - Barn owl nest box has been designed with the Barn Owl Trust and constructed from FSC certified exterior grade plywood erected in tree approx 12 - 13m from the existing outbuilding.

