

Green Roof

The proposed green roof will help to increase biodiversity, surface water runoff and reduce the overheating of the proposed extension. In addition, existing species of invertebrates and plants from the existing garden will be transported to the proposed roof.

To ensure adequate biodiversity gain, the proposed green roof will have an approximate substrate depth between 120mm – 160mm. As such, the proposed green roof would support a wide range of plants and wildlife by providing:

1. Diversity of substrate depth across the roof to provide contours of substrate. This will include substrate mounded to provide a variation in habitat.
2. Diversity in substrate type and sizes (e.g. crushed brick, shingle, inert off site material will also be re-used)
3. Bare areas of substrate to allow self colonisation of local windblown seeds and the opportunity for solitary bees to nest.
4. Native species of seeded and plug planted wildflowers and herbs planted to benefit native wildlife.
5. Log piles/flat stones provided as insect breeding and refuge areas.

Biodiversity & Wildlife

