

MEMORANDUM

TO: David Walker **FROM:** Jo Ferguson
CC: Kieran Conway **REF:** EED13325_100_M_001_JF
DATE: 30 July 2014
SUBJECT: One Bedford Avenue; Ecological Enhancement Recommendations

- 1.1. **GREEN ROOFS** - *Sedum acre* is a commonly used native species for green roofs, it naturally occurs in the UK, and can provide an important nectar and pollen resource in June and July. The biodiversity of a brown roof can be increased by planting a range of native sedum species on a roof of > 80mm with the addition of wildflower plugs. Drought tolerant sedum species and other succulents have been recorded to aid the establishment of wildflowers; species that should be considered include ox-eye daisy *Leucanthemum vulgare*, yarrow *Achillea millefolium* and Hawkbits *Leontodon* spp. These provide good nectar sources for invertebrates, and therefore creates foraging opportunities for bird species. Wildflowers from the campion family such as Bladder campion *Silene vulgaris*, White campion *S. latifolia* and Night flowering catch-fly *S. noctiflora*, are known to provide good nectar sources for moths, which in turn provides a food source for bat species (Creating Green Roofs for Invertebrates – A Best Practice Guide, Buglife).
- 1.2. **BROWN ROOFS** - It is recommended that brown roofs be considered to enhance the Site for black redstarts *Phoenicurus ochruros* (London Biodiversity Action Plan (BAP) Priority Species) through providing foraging and nesting opportunities within the proposed Development for this species. Any brown roofs designed specifically for black redstarts should consist of bare or sparsely vegetated areas (small areas of sedum mat and aggregate mix to encourage colonisation by local species), relatively undisturbed for feeding.
- 1.3. **NESTING BIRDS** - It is also recommended that nesting opportunities for the following bird species be provided:
 - black redstarts in undisturbed areas within the proposed Development. Nest box provision for this bird species such as the open fronted 'Schwegler 2HW box' could be included;
 - nest boxes aimed at other London BAP Priority Species such House Sparrow and Starling could also be included within the proposed Development. Bird boxes such as 'Schwegler 1SP Sparrow Terrace' and 'Schwegler 3S Starling Nest Box' are recommended, which should be provided at c.4-6m above ground / roof level. Bird boxes could also be incorporated within the structure of the proposed buildings to eliminate any aesthetic effect; and
 - bird baths could also be added to the roofs to encourage bird species to forage and nest on Site.