

# **THE PHOENIX GARDEN COMMUNITY BUILDING – GREEN/BIO-DIVERSE ROOF, MAINTENANCE SCHEDULE**

## **BROWN ROOF PLANTING AND MAINTENANCE REGIME.**

The brown roof areas will be maintained and planted to extend the dry low growth areas of the garden's habitat. Over the years, this habitat niche has become increasingly scarce onsite as shrubby growth has matured and shaded out lower herbaceous growth, and we are particularly keen to ensure that the invertebrate species that require these conditions are not lost from the garden. The undisturbed areas of the roof, free from the activities of the many garden visitors will provide an ideal environment to establish this habitat for the long term. Seeding the roof with materials collected onsite we will be utilising the garden's existing native wildflower community, a community comprising of 'brown field' scrubland species, including;

Greater Mullein  
Black Horehound  
Field Scabious  
Herb Robert  
Red Campion  
Ox-eye Daisy  
Ivy-leaved Toadflax

A number of ornamental species plant species will be utilised too extend the season of nectar/pollen, provide cover and to boost the aesthetic appearance of the roof. All grow well in extremely shallow soils, long periods of drought and produce minimal dry waste. These will include;

Tulbaghia violacea  
Sedum praelatum  
Aloe striatula  
Bergenia hybrids  
Erigeron karvinskianus  
Erysimum 'Bowles Mauve'  
Nerine bowdenii

## **PROPOSED MAINTENANCE REGIME**

- Maintenance required will be minimal with an annual removal of excess dead material in late summer/early autumn.
- Work will be carried out by staff member only, working from within balustrade.

- Dead material will be cut using long-reach hedge trimmer and cleared using spring-tine rake.

- Dead material will be left for a period before clearing to enable seed dispersal to allow for regeneration of short-lived species.

1 <sup>st</sup> YEAR CALENDAR	RESPONSIBILITY	SCHEDULE
ON COMPLETION (EST' APRIL 16)	Community Gardener	Seed and plant with the species list (see below) Irrigate weekly until establishment
EARLY ESTABLISHMENT PERIOD	Community Gardener	Continue irrigation as required, reducing frequency as plants establish. Removal of excess/unwanted growth
FIRST SUMMER JUL/AUG/SEP	Community Gardener	Irrigate only to ensure survival Cut to reduce water requirement
OCT/NOV/DEC	Community Gardener	Re-seed failed areas Cut standing dead growth sequentially and as required – where suitable dead growth will be left standing to provide habitat and to encourage self-renewal from seed

### **GREEN ROOF PLANTING AND MAINTENANCE REGIME**

The green roof area will be planted with a number of drought-tolerant shrub species already utilised in the garden and proven to cope with extreme drought and thin substrate. The maintenance of these will be minimal, requiring low level irrigation only in periods of extended drought to ensure survival and occasional pruning to remove dead material and to ensure species retention.

#### **Proposed species are:**

Rosa pimpinellifolia  
 Coronilla glauca  
 Hedera helix – adult form  
 Spartium junceum  
 Euphorbia characias