

## SURVEYORS DECLARE

### Practical Guide

*to help you implement sustainable practices on your  
journey to sustainable surveying*



# Case Study 1 – 38 Merrion Square, Dublin 2



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Chartered property,  
land and construction  
surveyors



# Case Study 2 – Swords Business Park – Chartered Surveyor Krystyna Rawitz (KRA Visionary Project Partners)



Chartered property,  
land and construction  
surveyors



FLOURISH  
WITHIN AN  
**INNOVATIVE  
BUSINESS  
COMMUNITY**



## BUILDING NEST BOXES FOR THE SWIFT INTO CEMENT BLOCK, BRICK AND EXTERNALLY INSULATED WALLS

GUIDANCE ON BEST PRACTICE



### Managing brownfields for scarce bumblebees

Wildflower-rich brownfields can provide abundant forage for scarce bumblebees, with a diverse flora providing them with nectar and pollen throughout their active periods. The decline of wildflowers in the wider landscape due to habitat loss, fragmentation and agricultural intensification, have made brownfields increasingly important in maintaining populations. To maintain healthy bumblebee populations in many areas, it is essential that a network of wildflower-rich brownfields are maintained.

#### Scarce species of bumblebee on brownfields

Shrill carder bee (*Bombus sylvarum*), Red-shanked carder bee (*Bombus ruderarius*), Brown-banded carder bee (*Bombus humilis*), Large garden bumblebee (*Bombus ruderatus*).

central and southern England, but has disappeared from much of its western and northern range. The Red-shanked carder has always been more common in the south-east of England, which remains the case, but is declining badly in the rest of England, Wales and north-west Scotland.

#### Species distributions

All four species have undergone significant declines in their range due to the loss of wildflowers in the landscape resulting from habitat loss, habitat fragmentation and agricultural

#### Key brownfield habitat features for bumblebees

- Large extensive wildflower resources, notably early successional habitats with plentiful legumes.