



Green-Blue roof layer detail

This design integrates SuDs with the renewable energy infrastructure to add value and function. The green roof shelter is organic in shape and designed to dam rainwater, inspired by the green roof on the Victoria and Albert museum, London. This supports biodiversity, UN goal 15, but it also demonstrates how renewable infrastructure can coexist and increase biodiversity in the urban realm, an issue in most conventional designs. There is a collection system which collects and stores rainwater runoff from the solar panels underground allowing it to be reused. There is further implementation of SuDs with the addition of swales within the site. These also contribute to the extension of habitat for wetland fauna in the designated wetland being restored.