

## The Manchester College, Openshaw Campus.

### SUDS Drainage maintenance requirements (Breeam Pol 03 requirement)

#### Planning Condition 28

A SUDS drainage swale has been installed at the Openshaw campus in October 2021, as part of the sustainable drainage system. The swale takes rainwater drainage from the sports hall roof, allowing rainwater in storm conditions to attenuate and soakaway over a period of time. The swale is planted with vegetation that will naturally filter and absorb rainwater. The swale has an overflow facility linked back to the main surface water drainage system, outfalling to a second attenuation tank, before discharging via hydrobrake flow control, into the SW outfall.

In order to maintain the efficient operation of the swale, the following maintenance should be carried out:

- As vegetation in the swale basin grows and matures, it may be necessary to remove excess vegetation from the lowest central area (approx. every 2-3 years) to keep the bottom of the swale basin at a level lower than the overflow pipe, allowing water to attenuate and soak away naturally, rather than bypass and outfall via the overflow.
- An appropriate native species rich planting scheme has been incorporated into this area in consultation with a suitably qualified ecologist and landscaper. Management will include mowing/ cutting back of plants post flowering (e.g. late august/ September) in order to maximise periods of flowering. Cuttings will be removed from the area.' Any woody shrubs will be periodically trimmed back during the late winter months to allow for the provision of shelter and food (such as berries) over the winter months. Cuttings will be removed from the area.)
- Periodically cut back vegetation growth locally around the overflow outfall pipe from the swale, clearing any vegetation debris, leaves etc, to prevent the pipe from becoming blocked.



Installation



Growth established year 01



Rain garden swale general image