

Holywell Primary School & Walsley Hills High School, Worcestershire

SuDS used

- Swales
- Retention pond
- Wetland
- Silt trap
- Detention basin

Benefits

- Reduction in local and wider flood risk.
- Cost effective replacement of conventional drainage infrastructure.
- Features (such as a cascade and wetland) provided an amenity benefit to the community.

1. Location

Rubery, Worcestershire.

2. Description

A SuDS retrofit project for a site which comprises of two schools. The installation of retrofit SuDS achieved a number of objectives:

- Intercepting overland flow from adjacent land in collector swales;
- Storage of unpredictable water volumes in landscaped features;
- Cost effective replacement of conventional drainage infrastructure that was undersized for severe storms which often caused flash flooding;
- Reduction of silt blocking using silt interceptors;
- Re-routing of drainage to natural watercourses.

The SuDS scheme provided features such as a cascade and wetland, which provided an amenity benefit to the community.

3. Main SuDS used

- Swales
- Retention pond
- Wetland
- Silt trap
- Detention basin