

# Elmington Estates SUDS Retrofit and Environmental Improvement Scheme

IMAGE 1



**Description:**

- Wadhwa meadow basin will collect surface water runoff from the surrounding area
- Following a very heavy rainfall event, runoff will temporarily pond on the meadow basin and discharge into the surrounding sewers at a restricted rate
- The depth of stored water will be no more than 300mm, planting and gravel underdrains will ensure that the area does not become boggy

**Benefits:**

- reduced flood risk and reduced risk of foul water sewage backing up after heavy rainfall
- improved biodiversity
- enhances green corridor from Burgess Park to Camberwell Green
- improved local amenity and air quality
- provision for informal play area, planting and feature layout flexible

IMAGE 2



**Description:**

- Swale will collect surface water from the surrounding area and convey it to the meadow basin
- Following a very heavy rainfall event, runoff will temporarily pond on the swale and discharge into the surrounding sewers at a restricted rate
- The depth of stored water will be no more than 300mm, planting and gravel underdrains will ensure that the area does not become boggy

**Benefits:**

- reduced flood risk and reduced risk of foul water sewage backing up after heavy rainfall
- improved biodiversity
- enhances green corridor from Burgess Park to Camberwell Green
- improved local amenity and air quality
- provision for informal play features, planting and feature layout flexible

IMAGE 3



**Description:**

- Car park to be reconfigured with a permeable material to allow surface water to drain through into a storage layer
- Following a very heavy rainfall event, runoff will temporarily pond within the lowered car park and discharge into the downstream sewer at a restricted rate
- The depth of stored water will be no more than 300mm, planting and gravel underdrains will ensure that the area does not become boggy

**Benefits:**

- reduced flood risk and reduced risk of foul water sewage backing up after heavy rainfall
- improved biodiversity
- enhances green corridor from Burgess Park to Camberwell Green
- improved local amenity and air quality
- provision for informal play features, planting and feature layout flexible

IMAGE 4



**Description:**

- Rain gardens will collect surface water runoff from the surrounding area
- Following a very heavy rainfall event, runoff will be temporarily ponded within the rain gardens and discharge into the surrounding sewers at a restricted rate
- The depth of stored water will be no more than 300mm, planting and gravel underdrains will ensure that the area does not become boggy

**Benefits:**

- reduced flood risk and reduced risk of foul water sewage backing up after heavy rainfall
- improved biodiversity
- enhances green corridor from Burgess Park to Camberwell Green
- improved local amenity and air quality
- smaller rain gardens can be implemented across the estate where feasible depending on the amount of funding available from Thames Water