

# Rectory Gardens Rainpark SuDS Project

As you may be aware, Rectory Gardens has been identified as a possible location for a sustainable drainage system (SuDS) as part of the Greenstreets@Haringey Project. SuDS will reduce pollution entering the River Moselle and prevent local flood risk.

## What are SuDS?

SuDS are a natural way of managing urban drainage. In urban areas, most surfaces have been paved over making it much harder for rain water to naturally soak away. This results in standing water and an increased risk of flooding. SuDS provide short term attenuation of rainwater and also provide a filtering system to remove pollutants.

## Why do we need SuDS on Rectory Gardens?

Surface water flooding occurs when our drainage network is unable to cope with heavy rainfall. The London Borough of Haringey has identified Rectory Gardens as a potential flood zone. A SuDS here will intercept rainwater and road run-off from Priory Road, Middle Lane and Hornsey High Street and divert it into a rainpark that will slow the water down. This will help to reduce the risk of flash flooding and will also allow natural cleaning of the water. This process will help to prevent road run-off pollution entering the River Moselle.

## How can I get involved or find out more information about the project?

Our aim is to involve local volunteers at every stage of the project, from planting through to water quality monitoring. If you have any questions or comments about the concept design of the Rectory Gardens Rainpark (on reverse) please do get in touch with Vicki Paternoster.

For more information about the Rectory Gardens Rainpark, or to join our mailing list for updates, please contact Vicki Paternoster

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Love the Lea is a campaign for clean rivers in East London. The Greenstreets@Haringey Project is part of this campaign; a project demonstrating how river pollution can be cut and the risk of surface water flooding reduced with community participation.



# Thames21 SuDS projects

## Rectory Gardens Rainpark

### SuDS Concept Proposals

11.03.15

Polluted run-off from the Priory Road is treated in two separate systems. Each system has two possible storage areas, each of which retains and cleans the water, before releasing slowly to the river Moselle.

Events up to the 1 in 10 year likelihood are held closest to the road, in wildflower play areas. Play features such as balance beams and islands sit above colourful native planting and occasional inundations, and provide a cost effective means of encouraging wildlife and play into the scheme.

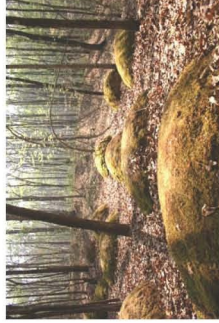
Anything beyond the 1 in 10 year rainfall event flows to the storage areas furthest from the Priory Road. These, combined with the primary basins, will detain the largest rainfall events (up to the 1 in 100 + 30%).



Grassed swales bring in run-off and offer first cleaning.



Balance beams encourage interaction with the scheme.



Small islands serve to link balance beams, and large islands protect young trees.



Basins are planted with colourful wildflowers, providing valuable habitat, visual interest and reducing the amount of moving to be done.



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