588-01
Withington Girl's School., Fallowfield
Drainage Statement
May 2014 **P02**

Proposed Development

The proposed development is for a two-storey junior school building extension and a single storey scheme to enclose a courtyard space to create a Hub/circulation environment between, and linking, the various surrounding existing school buildings.

Flood Risk to the Site from Watercourses

Current Environment Agency flood maps show the site falls within flood zone 1, as shown on Figure 1 below, and as such the site is at low risk of flooding.

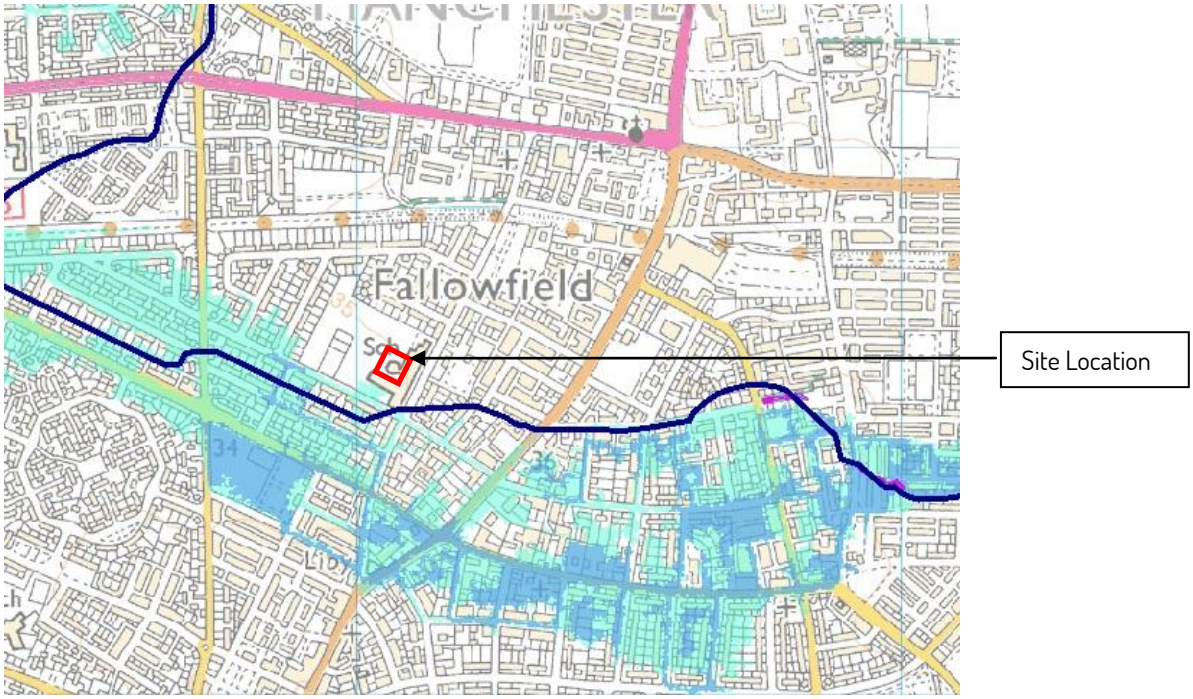


Figure 1: Environment Agency Flood Map (May 2014)

Flood Risk to the Site from Sewers & Overland Flow

A utilities search has been undertaken though the results were not available at the time of writing this report.

There are no known cases of the site flooding as a result of surcharged public sewers or overland flow.

Existing Drainage Scheme

A CCTV survey of the existing drainage network was undertaken 16th and 17th April 2014. The survey report was not available at the time of writing this statement.

Proposed Surface Water Drainage Strategy

The proposed extension will have a green roof which will reduce surface water run off rates and volumes from the new building. Surface water flows from the site will be limited to match the pre-development discharge rates and the development will be designed to ensure that run off from a 1in 100yr storm (plus an allowance for climate change) is managed so as to remain within the site boundary and so as not to damage property.

Surface water attenuation will be provided as necessary in order to contain additional flows from a 1in30yr (+climate change) storm from the junior school building extension and hub enclosure. Surface water run off will be controlled as near to source as possible and SuDS techniques will be employed where practicable given the anticipated ground conditions and proposed end use of the development.

Proposed Foul Drainage Strategy

Subject to drainage survey it is anticipated that foul drainage will connect to the existing on site network before discharging to the combined sewer within Victoria Road.