

Sheffield Student Residential Project

Fitzwilliam St Sheffield

Main contractor – ISG UK Construction NE
Architect – Corstorphine & Wright

Land at Fitzwilliam Street, Sheffield currently occupied by a showroom / warehouse is being developed by ISG UK Construction NE.

Our involvement was to provide syphonic roof drainage to the individual 4 blocks. Ranging from 3 stories to 16 stories the design of the building provided our engineers with challenges when deciding on pipe routing and co-ordination with other services.

At an early stage of the building design process, the architects recognised the advantage that syphonic roof drainage has over traditional conventional drainage.



Designers and engineers readily acknowledge that syphonic systems provide drainage with horizontal pipes that have diameters smaller than comparable conventional systems. This is seen as a considerable benefit which provides significant advantages when routing pipework, especially if there is the need to locate pipes along corridor areas and down risers which are to be congested with other services.

Due for completion in early 2021, the buildings are drained using twenty two Primaflow 09 syphonic rainwater outlets. The confidence that clients gain in using this type of outlet is reinforced by the knowledge that their robust design has been tested on many occasions with thousands of units installed on almost every continent of the world.

The outlets drain into ten acoustically insulated polyethylene downpipes which run horizontally at high level along corridors before entering risers to finally drain the rainwater into surface water manholes away from the building.

Supported by unrivalled technical knowhow, our range of well established, tried and tested products make Fullflow Group number one for the provision of syphonic roof drainage, worldwide.