

Unique Fittings and Pre-fabrication

The increased drive towards off-site manufacture with its associated benefits to health and safety and efficient construction pre-fabrication services have become an essential service for the industry. Polypipe Terrain's advanced pre-fabrication facilities allow for a level of precision and quality that simply cannot be achieved on-site. Of particular value where bulk volumes of identical stacks are required, such as in high-rise apartments or hotels, they help speed up the construction process, drive down material and labour costs, eliminate waste and benefit on-site health and safety. In addition to the pre-fabricated stacks additional services include the production of a number of 'Unique' fittings and the bespoke pre-fabrication of products for to assist in site situations where standard solutions simply will not work.

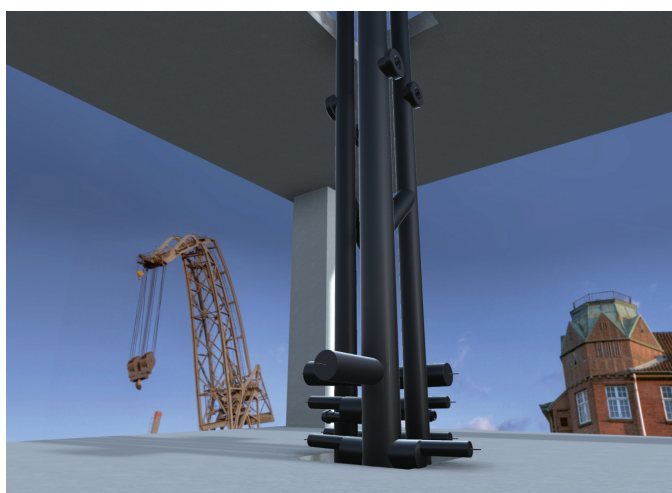
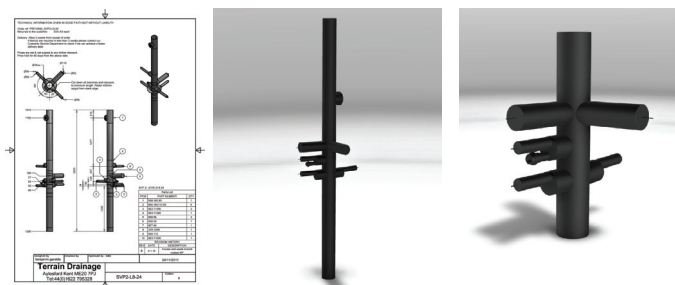
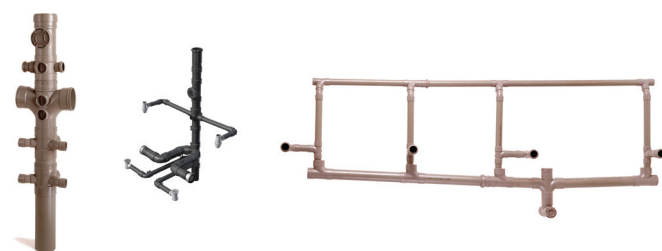
This Technical Bulletin will detail the following:

Pre-fabrication of stacks, 'Unique' and Pre-fabricated fittings, Bespoke Pre-fabrications

Pre-fabricated stacks

All pre-fabricated stacks are produced under factory-controlled conditions by our highly skilled and experienced fabrications team. All stacks will be manufactured in accordance with detailed drawings generated by Polypipe Terrain's Technical Department who work closely with customers to ensure the exact site details are recorded ensuring the perfect stack.

Once complete the stack will be transported to site where it can simply be slotted into the appropriate space. It is estimated that the whole process can equate to savings in excess of 30% against traditional on-site stack assembly.



'Unique'/Pre-fabricated fittings

Polypipe Terrain's Pre-fabrication service also enables the production of fittings that have been manipulated from standard products to provide a solution that would be difficult to achieve on-site with the standard fittings. A number of these fittings are detailed to the right:



Bespoke Pre-fabricated solutions

In some site situations the use of standard drainage stacks and fittings simply proves impossible. Often this may lead to expensive and time consuming diversions to overcome the issues. Polypipe Terrain have utilized their Design and Pre-fabrication facilities to provide some truly unique solutions to prevent such costly diversions. Detailed below is a specific case study illustrating the ability of Polypipe Terrain to overcome a troublesome situation:

The versatility of Polypipe Terrain's market-leading products and services have been highlighted in providing a bespoke above-ground drainage solution for a new luxury hotel at St George's Park, the Football Association's National Football Centre in Burton on Trent.

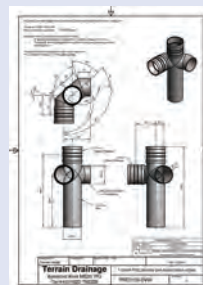
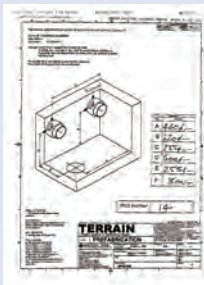
As part of the £100 million project to redevelop the 330-acre site, the new 230-bed Hilton Hotel required an innovative above-ground solution to successfully connect its drainage system to the hotel's vertical stacks.

Aylesford-based drainage manufacturer Polypipe Terrain prefabricated a bespoke product solution using its market-leading PVC Soil & Waste product in 18 different variations, working closely with the contractor, Derry Building Services, throughout the project.

'Through frequent visits to the site prior to the manufacture and supply of our products, we were able to identify the best design to connect the drainage to the vertical stacks, advising Derry Building Services on the most effective solution for this unique application,' comments Nicholas Wright, Technical Sales Manager at Polypipe Terrain.

'We are extremely pleased that we were able to assist Derry Building Services in providing a unique, comprehensive solution which met their exact needs.'

Polypipe Terrain's Solvent Weld system offers a quick and easy way to achieve a permanent joint, allowing installers the opportunity to create bespoke solutions for each individual project. The system has proven itself time and again on some of the UK's most prestigious and challenging projects to be a wholly reliable, maintenance free system.



St. Georges Park is due to open later this year and will include 12 football pitches alongside state-of-the-art training and leisure facilities.

More information on Polypipe Terrain's growing range of market-leading above-ground drainage products and systems can be found at www.polypipe.com/terrain

