

## CASE STUDY - Marks & Spencer's Distribution Centre

Stanton Bonna Perfect Manhole System Supports Carbon Neutral Plan



Marks & Spencer's 'Plan A' target is to be *'the most sustainable major retailer by 2015'*. The construction of the 900,000sq ft site of their new Castle Donington Distribution Centre was no exception with processes and products fitting this ethos.

"... just what we needed to meet the developers requirements"

Dan Barker, Senior Engineer  
Winvic Construction

Stanton Bonna's Perfect Manhole System fit the criteria perfectly, thanks to its significantly lower footprint when compared to traditional manholes.

Winvic Construction, who were awarded the tender, originally looked at standard manholes from two other companies but selected Stanton Bonna's Perfect Manhole Systems due to quick, easy installation and lower carbon footprint.

Stanton Bonna supplied 18 x DN1200 and 5 x DN1500 Perfect Manhole Systems including base units, rings, watertight gaskets and slabs. In addition to this we also supplied over 70m of circular pipes, rocker pipes, spigots, sockets and bends.

Dan Barker, Senior Engineer for Winvic Construction said *“The convenience of using a pre-benched system saved us significant time during installation plus the low carbon footprint of this easy, safe, quick manhole meant it was just what we needed to meet the developers requirements”*.

The Perfect Manhole System can be installed in a day ensuring **safety**, as no working for long periods in confined spaces. It is **quicker** to install than traditional systems as no waiting for benching to dry and **easier** to fit together with the watertight gaskets.

In a study audited by independent consultants Carbon Clear, The Perfect Manhole System was found to have a **30-43% lower carbon footprint** than traditional, boxed based and plastic manholes.

In the same study, concrete pipes were found to have a **35% lower carbon footprint** than that of plastic pipes.

You can read the full reports at [www.concretepipes.co.uk/sustainable-drainage.php](http://www.concretepipes.co.uk/sustainable-drainage.php).

For further information on the Perfect Manhole System or any of our other innovative products you can look on our website at [www.stanton-bonna.co.uk](http://www.stanton-bonna.co.uk), or call us on 0115 944 1448.

The photographs shown are representative of a Perfect Manhole System installation and not of the actual Castle Donington site.



Once base secured and level ring is lowered into place



Large ring lowered into position



Lowering slab to complete manhole section

**StantonBonna**

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