



YorkshireWater

servicingbusiness

**FP McCann Ltd
Ellistown Plant
Whitehill Road
Leicestershire
LE67 1ET**

**Yorkshire Water Services
Limited
Sewerage Policy
Halifax Road
BRADFORD
BD6 2LZ**

13th December 2012

FP McCann Wide Wall Pre-cast Manhole System – Final Full Approval by Yorkshire Water Services Limited

Dear Mr Cooper

Subsequent to the correspondence dated 28th April 2011, Yorkshire Water Services Limited confirms that the trial site at the S104 site at Gaisby Lane, Shipley BD2 1BD has successfully demonstrated the satisfactory performance of the FP McCann Wide Wall Pre-cast Manhole System.

Since October 2012, the normal specification used for new sewer construction in England and Wales is "Sewers for Adoption 7th edition". The manhole details within it do not prohibit the use of pre-cast manholes or rectangular chambers and include alternative construction details which show wide wall manhole sections precluding in-situ concrete surround. It is considered that due to the high quality of finish and general robustness of the Wide Wall Pre-cast Manhole System there is no requirement to surround the chambers with concrete provided that the joints are adequately sealed for water tightness, subject to checks for buoyancy (assuming ground water temporarily at ground level). Therefore there is no reason to prohibit their use and they are deemed acceptable. Hence, Yorkshire Water Services Limited gives Final Full Approval for the installation of the FP McCann Wide Wall Pre-cast Manhole System within its operational boundaries.

Yorkshire Water Services Limited grants Final Full Approval subject to product installation as per your guidelines. In addition to your guidelines, Yorkshire Water Services Limited advise that the construction of sewers and manholes must be suitably aligned horizontally and vertically to ensure no additional bends external to the manhole are required and also vertically, the gradient of the sewers upstream and downstream are similar to the gradient through the base. It should also be noted that rocker pipes are still required where rigid pipe systems are connected.

Yorkshire Water Services Limited Final Full Approval is valid from the date of this letter. As part of the product approval process, we will monitor the product to verify its continued compliance with YW Policy and, if deemed necessary, we will potentially remove the approval in the future. Defects deemed FP McCann Ltd responsibility, to any installed products identified must be rectified at FP McCann Ltd expense to the satisfaction of Yorkshire Water Services Limited.

Yours sincerely

**Ian Rose
Sewerage Policy Manager**

