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Your ref

Our ref
BS/PA/0912

Date
21/12/2009

Contact
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For the attention of Mr C Nugent

Dear Colin

**Product Approval – Southern Water
McCann Easi-Base Manhole Units**

I am pleased to confirm Southern Water Approval of the use of Easi-Base pre-constructed manhole base units within the Southern Water region. This approval has been based on the product having met:

- They have been approved by WRc (certificate number PT/274/0808 which is valid to 28/08/13 and verified to meet the relevant requirements of EN 752 and Sewers for Adoption (SfA) 6th Edition – except where stated
- The benching is superior to the requirements of SfA.
- Channel configurations where two laterals approach from opposite sides requires slight modification
- Various channel configurations can be accommodated prior to construction, however it is a requirement that no surplus connections are included within the base with stoppers. Also it is common for manhole positions to change slightly during construction, which would alter the angle of approach for inlet/outlet pipes. There is then a temptation to force the angle of the inlet joint beyond its design flexibility, leading to leakage, therefore the deflection of flexible joints at entry/ exit shall not exceed 75% of the maximum deflection recommended by the manufacturer.
- All manhole bases shall be laid on compacted concrete to the appropriate grade

This approval is valid until the expiry of the WRc certificate or such as it becomes non compliant with SfA or any subsequent publication that replaces it. Southern Water also has a policy of continually reviewing performance and any failure of this above named product will result in this approval being suspended until a full investigation has been completed

Yours sincerely

A handwritten signature in blue ink, appearing to read "A. Spencer".

Brian Spencer
Technical Governance Manager