PIPES ENTERING BUILDINGS

1. Pipes entering buildings within the approved depth range (750mm – 1,350mm) should be passed through a duct and the ends of the duct sealed to prevent the ingress of gas or vermin into the building (drawings 1 and 2). The duct should comprise a continuous slow bended duct of sufficient size to permit the pipe and insulation to be withdrawn and replaced if necessary.

2. Drawing 1 indicates the vertical pipe entering the building through a solid internal door within a sealed duct which is less than 750mm from the external face wall.

Less than 750mm from external face of wall.	**Pipe required to be thermally insulated within duct.**

3. Drawing 2 indicates the vertical pipe entering the building through a solid internal door within a sealed duct which is greater than 750mm from the external face wall.

Greater than 750mm from external face of wall.	**Pipe not required to be thermally insulated.**

4. Drawing 3 indicates the vertical pipe entering the building through a suspended floor with air void below at any distance. The pipe shall be thermally insulated within the duct regardless of distance from the external face of the wall.

Greater than 750mm from external face of wall – suspended floor with air void.	**Pipe required to be thermally insulated.**

5. Thermal insulation should be of the closed cell type complying with BS 5422 and be installed in accordance with BS 5970.

6. The vertical pipe entering a building shall be fitted with a stop valve to control the flow of water to those premises only. The stop valve should be installed above floor level, near where the pipe enters the building and so installed that closure will prevent the supply of water to all points of use. Stop valves up to 50mm should conform to BS EN 1010 Part 2 and those 50mm and above should be flanged gate valves to BS EN 5163.

7. A drain tap shall be fitted to the vertical pipe immediately above the stop valve. Drain taps should be of the screw down type conforming to BS EN 1563 or, where located in a frost-free location, of an approved spherical type.

8. Every water fitting shall be of the appropriate quality and standard and be suitable for the circumstances in which it is used. All fittings and materials must have certification from an appropriate approved testing body.

Diagram 1

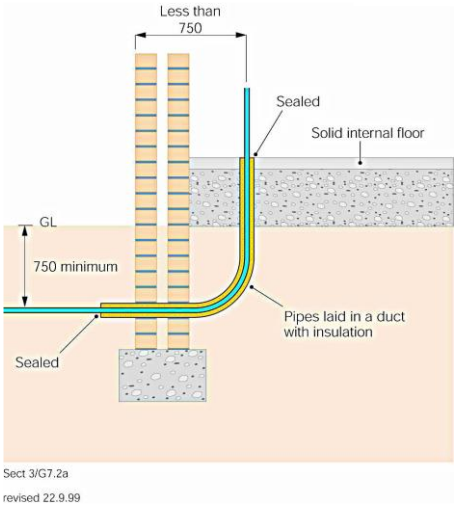

Diagram 2

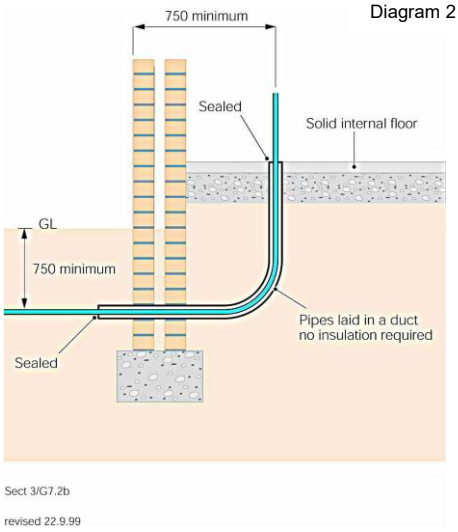

Diagram 3