

Installing individual internal meters on a Large Diameter Connection

This sheet explains what you need to do to pass a water regulations inspection for a large diameter connection supplying individual internal metered dwellings. Before connection, the pipework will require chlorination – please see our guidance for how and when this needs to be completed.

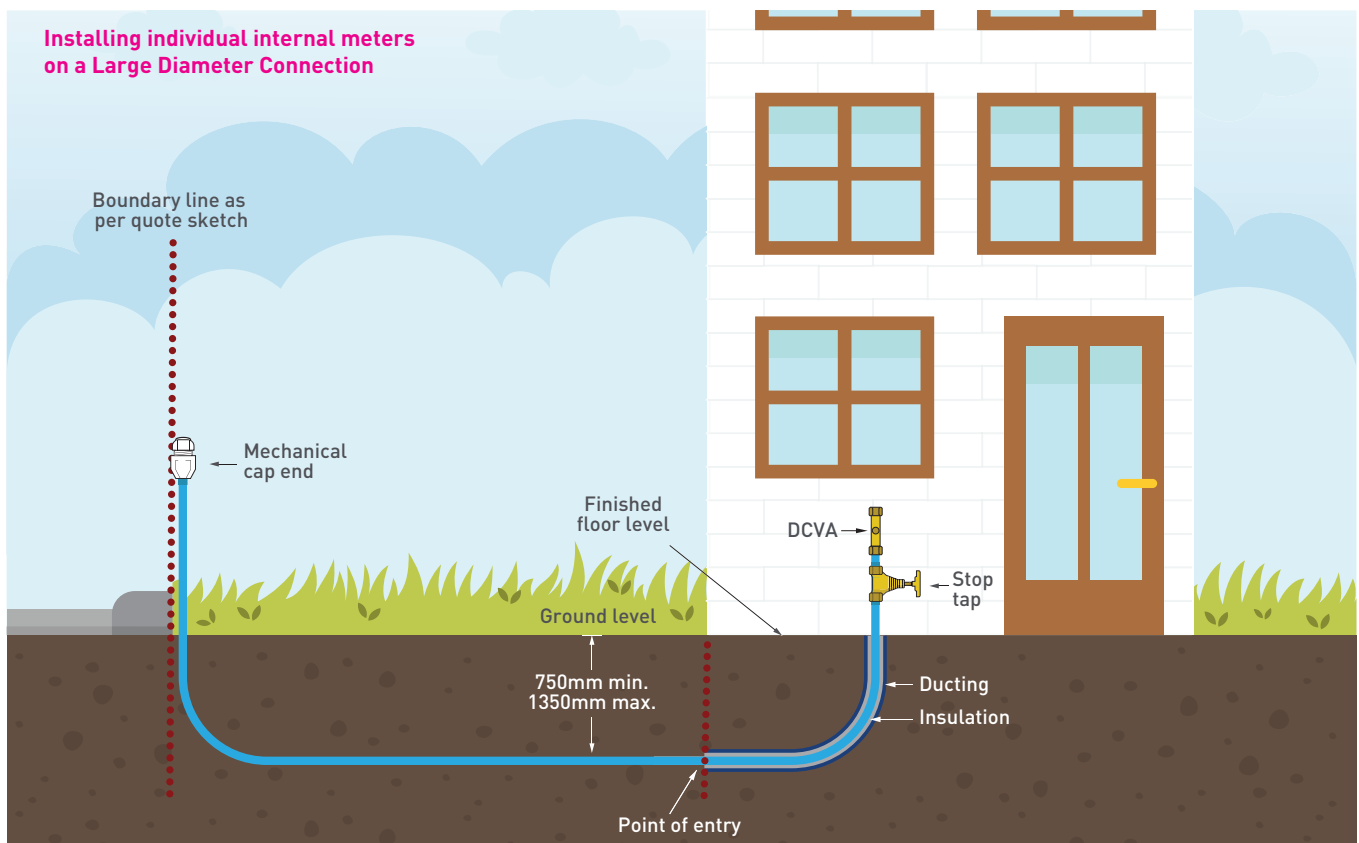
1. The depth of the private service pipe at highway boundary should be between 750mm minimum and 1350mm maximum.
2. The pipe material needs to be either MDPE or barrier pipe. This will be highlighted on the customer sketch attached to the quote.
3. The private service pipe must be insulated and ducted through the external property wall to the highway boundary. The duct should be a continuous non perforated duct; suggested duct size should be 2.5 times the diameter of the pipe. This needs to be from the point of entry (where the pipe enters the property) to the floor level inside the property. Pipe insulation needs to be 9mm thick in closed-cell insulation material.
4. A stop tap should be fitted internally in an accessible position followed by a DCVA. Individual meters are to be fitted for each dwelling and a DCVA should be installed after the stop and before the meter.
5. Where the property boundary meets the highway - as illustrated in the quote sketch - a suitable mechanical cap end should be fitted to prevent ingress and contamination of the private service pipe. This cap end must be fitted when you install the pipe.
6. All fittings utilised for installing the private service pipe and onward plumbing system must comply with Section 4 of the Water Supply (Water Fittings) Regulations 1999.

Before we inspect the service pipe, please ensure that:

- you are compliant with points 1-6 above
- any scaffolding is a minimum of two metres away from the service pipe
- you have the postal address of the property
- all requirements highlighted in points 1-6 above are visible for inspection

How to install the Internal meters

- Each individual dwelling should be fitted with meters and tails supplied by Severn Trent. When you require the meters, please contact us
- Meters should be fitted as shown in the illustration below
- Following the installation of the meters, please contact us again so that we can commission them and set up the property account.



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'Smartfit' connections

Use scribing tool on copper pipework or liner insert with plastic pipework, prior to fitting 'Smartfit'

Meter earth bonding

Earth tab on cleaned pipework

Water Flow

