

## Installing private pipework for a fire/domestic split supply for a Large Diameter Connection

This sheet explains what you need to do to pass a water regulations inspection for a large diameter fire domestic split in order to connect the property to the water network. 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 fire service pipe 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 fire service pipe must be insulated and ducted at the point it enters the property. 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.
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 fire service pipe. This cap end must be fitted when you install the pipe.
6. Within 1000mm of the highway boundary, the fire domestic split needs to be constructed. Depending on the length between the SCVA and internal tap, another isolation after the SCVA may be required in order for you to maintain the SCVA without dewatering a long length of pipe. If this is required, we will discuss it with you onsite.
7. On the fire supply, single check valve, which complies with Section 4 of the Water Supply (Water Fittings) Regulations 1999, must be installed in a purpose built chamber (please see our **Building a chamber customer guidelines**). For maintenance purposes control valves must be installed before SCVA within the chamber.
8. Fire marker tape must be laid over the fire service pipe.
9. On the domestic supply, Severn Trent will supply you an inline meter to be installed in a purpose built chamber. For maintenance purposes control valves must be installed either side of the meter.
10. Where a pump or booster drawing more than 12 litres per minute is to be connected directly or indirectly to a supply pipe (i.e. without the provision of an upstream storage tank), Regulation 5 of the Water Supply (Water Fittings) 1999 requires the written consent of Severn Trent. Application must be made via the available 'Regulation 5 Application Form' to Severn Trent's Water Fittings Team.

