



Stop Tap

New connections information book

Ends of duct to be sealed

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Contact Developer Services

Bournemouth Water, Francis Avenue, Bournemouth, BH11 8NX
Tel 01202 590059 Fax 01202 597031
developerservices@bournemouthwater.co.uk
www.bournemouthwater.co.uk

Introduction

Following your request for a new water connection we're pleased to send you this book. It'll provide you with the information you need to make the provision of your new supply as easy as possible.

Your application will be dealt with by our Developer Services department who can be contacted on 01202 590059.

In the book you'll find a description of the various stages an application has to follow, along with your responsibilities, and those of Bournemouth Water. Guidance notes on installing your pipework to ensure it complies with the Water Supply (Water Fittings) Regulations 1999 are also included. A copy of the regulations can be obtained by contacting our Water Regulations department on 01202 597114.

Our service target – connecting your supply

We aim to connect your supply within 21 calendar days of receiving your payment, provided that our requirements as detailed in this information book, have been met.

This is subject to Highway Authority approval. They may place restrictions/conditions under Traffic Management Regulations which could extend this time.

If we lay pipes across privately owned or environmentally sensitive land, we may have to adhere to certain conditions and protocols which could delay the connection.

Please note that a delay could occur if all relevant details aren't completed and the 'New connections application form' isn't signed.

Billing – important information

All new connections are metered. Where property or land is separated into distinct units, individual billing will be required and separate metered water supplies are to be provided to each property. If developers intend to carry out such work, they must apply to us for the appropriate number of metered connections.

Please note that from the time that a new connection is laid and a meter fitted, we'll hold the applicant responsible for paying the water bill until such time that we're notified that ownership of the property has changed, and the property is to be occupied.

For more information please visit www.bournemouthwater.co.uk

Please supply us with occupation details and a postal address as soon as these details are known. The water account will remain in the developer's/applicant's name until we're informed otherwise.

Useful information

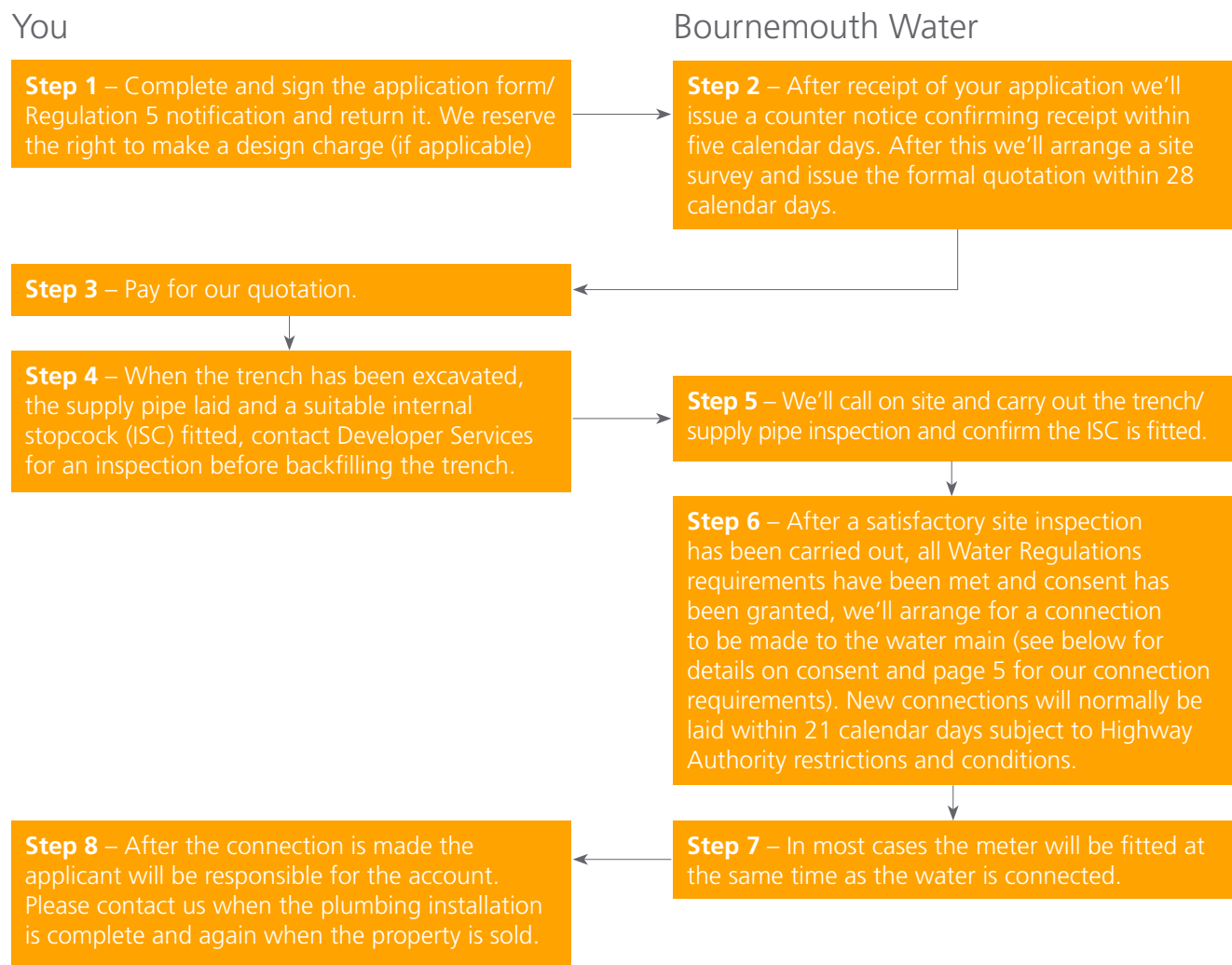
The following documents may be helpful and can be requested by phone or downloaded from our website:

- New connections application form (includes Regulation 5 notification)
- New service connection requirements
- New service connection T&C's
- Water charges
- Developer, new connection and infrastructure charges
- Self lay of water mains and services
- Domestic residential sprinkler systems

How to apply for a new connection

All contact in respect of your request for a new water supply, up to and including the meter installation, should be made to Developer Services who can be contacted on 01202 590059.

The following is a step-by-step guide.



Consent

Our Water Regulations department will have to grant consent for any work outlined on pages 7 to 9 of this booklet. This will need to be given before we lay the new connection(s). To gain consent for this work you must forward the following items to our Water Regulations department:

- The signed and completed Regulation 5 notification form (part of the application form)
- A schematic diagram of the hot and cold pipework layouts, example on page 10
- A schedule of the water fittings and materials to be installed
- An assessment of site conditions in relation to contamination. It's prohibited to place pipes in contaminated ground unless suitable protection has been provided. It's advisable to seek confirmation that contaminants don't exist prior to installing pipework.

Water Regulations will write to you once they have received the above information. They will either grant consent or advise you of any non-conformities.

To progress your application for a new water supply connection – please follow these steps

You – Step 1

The 'New connections application form' (including the Regulation 5 notification form) will need to be completed in full and returned to Developer Services together with any supporting information which will assist us when carrying out the survey, e.g.

- Plans showing the extent and location of the site
- Construction schedule
- An assessment of site conditions in relation to contamination

A delay in processing the form could occur if the relevant details aren't completed and the form isn't signed.

Bournemouth Water – Step 2

Following receipt of the signed and completed application form/Regulation 5 notification, we'll confirm receipt and arrange an appointment to meet you on site. The purpose of the visit is to obtain details we need to prepare a quotation and to answer any questions you may have concerning the installation of the new supply. We'll also leave any supporting literature required.

You – Step 3

For the water connection to take place, the connection charge must be paid in full.

Payment can be made by cheque, payable to Bournemouth Water. Alternatively payment can be made by credit/debit card or BACS. Please call our Finance department on 01202 590059 for assistance.

You – Step 4

The pipe must be laid at a minimum depth of 750mm but not more than 1,350mm from finished ground level, and the trench left open for our inspection. The pipe must also be ducted if it passes through or under wall footings, foundations or any solid floors; the ducts must be large enough for the service pipe to pass through and be withdrawn if necessary. Once your pipework/standpipe and internal stopcock (ISC) are in place, please call Developer Services to arrange an inspection. Where possible, we'll try to accommodate your request for your preferred date of connection. You will also need to have been granted consent by our Water Regulations department before the connection(s) can be provided. You must provide us with a diagram of your hot and cold pipework layouts (see example on page 10), and a schedule of the proposed water fittings and materials in order to gain consent.

Bournemouth Water – Step 5

We'll visit the site to carry out a trench/supply pipe and ISC inspection when requested. Please allow five working days for us to carry out these inspections.

Bournemouth Water – Step 6

After a satisfactory inspection of your supply pipe/trench/ISC and provided that Water Regulations consent has been granted, connection will normally be made within 21 calendar days. This is subject to Highway Authority approval and they may place restrictions/conditions under Traffic Management Regulations which could extend this time. There may also be other restrictions which could extend the time to make the connection. If this is anticipated, we'll give you as much notice as possible. You should make provision in your plans for this possibility.

Bournemouth Water – Step 7

In most cases the meter will be installed in the meter box at the same time as the service is connected.

You – Step 8

After the connection has been made, you'll be responsible for the account up to the time the new owner/occupier moves in.

Please supply our Customer Service team with the new owner/occupier details including the date of occupation and postal address. We'll then read the meter and change the name on the account. Please supply this information within five working days. Until this is done, the water account will remain in your name.

Definitions

Below is a list of useful definitions. You will find these mentioned or illustrated elsewhere in this booklet.

The service pipe is the whole of the water pipe from the main to the internal water fittings served by mains pressure within the premises.

The communication pipe is normally the length of pipe from the connection at the water main, to a point where the pipe passes through the property boundary of the street within which the main is laid. This is normally the outlet of the boundary stop tap. This pipe is normally supplied, laid and maintained by Bournemouth Water.

The supply pipe is normally the length of pipe from the property boundary of the street where the main is laid, up to the internal water fittings supplied under mains pressure. This section of pipe is owned and maintained by the owner/occupier of the property served.

The laying of supply pipes will always be undertaken by you or your contractor. Supply pipes should only be routed through areas which any future owner will have access to, for repair, replacement or maintenance of the pipe or fittings.

The meter box contains a stop tap and housing for a meter to be installed. This box is used on all new services and is normally located either at the boundary of a property, or in a wall-mounted location.

Our standard size of connection to either residential or commercial properties is 25mm outside diameter (OD). Where a 25mm OD service has been provided, it's recommended the supply pipe is laid of the same size (or larger) at least to the point where it enters the building.

The standard material for service pipes is medium density polyethylene (MDPE) unless ground conditions dictate other materials are required eg. due to soil contamination.

Where the property is situated some distance from the point of connection, additional advice may be required on the size of the supply pipe to be laid.

We take into account the information you provide on the application form so that we can ensure that the correct size and type of connection is provided for commercial and certain types of residential properties, such as sheltered housing.

Options for the meter box/meter position

It's our preference to fit external meters as they're easy to access for meter reading and maintenance.

- Boundary box – see page 14, figure 2
- Wall mounted box – see page 16, figure 5 and page 17, figures 6 and 7. Please contact us if further details are required for this option
- Internal meters

As stated above, it's our preference to install external meters. However, we do recognise that for larger developments internal meters can provide a better overall solution.

The metering arrangements should be discussed with Developer Services at the detailed design stage to agree the final arrangements for individual schemes.

The bulk metering of supplies is not encouraged, e.g. to a large block of flats. Developers should consider in their design the benefits to their prospective buyers of having a separate meter for each flat. This enables each occupier to be charged and billed independently for their own water use and allows access to the services of their water provider. These arrangements should again be discussed with Developer Services.

For more information, please call our Developer Services department on 01202 590059.



Provision for ducts

If you need to complete road construction prior to the water services work being carried out, you must provide ducts for service pipes. They must be large enough for the service pipe to pass through and, if necessary, be withdrawn. They should also be distinguishable from other service ducts, adequately marked or recorded and have a minimum of 750mm or a maximum of 1,350mm cover.

Connection requirements

We won't connect your supply pipe to our communication pipe until the following minimum connection requirements have been met.

- 1 The entire supply pipe must be laid in advance at a depth between 750mm (2'6") and 1,350mm (4'6").
- 2 The property end of the supply pipe, at the point where it protrudes from the ducting inside the property must be fitted with an approved internal stopcock.
- 3 The whole length of the excavated trench must be left open and backfilled only after it's been inspected by our representative. If this isn't practical due to site conditions, then trial holes must be left open for inspection. This must be agreed with our representative on site.
- 4 The property must be secure.
- 5 If the supply is to be used on a temporary basis for building purposes, a supply pipe of no less than 3 metres in length, complete with draw-off tap firmly attached to a suitable support must be laid to the street boundary or agreed point of connection. A double check valve assembly will be required to be fitted adjacent to the point of use (i.e. the tap). All pipework must also be suitably protected against the effects of frost and damage.

For further details, please refer to our standpipe illustration on page 15 figure 3.



- 6 No water connection will be provided until the Water Regulations requirements have been met. Under the Water Regulations you will need to provide us with a schematic diagram of the hot and cold pipework layout and a schedule of the water fittings and materials for most new installations. Developers/contractors/installers must provide the company with an assessment of site conditions in relation to contamination. Our Water Regulations department will write to you after we've received these items and either grant approval (consent) or advise you of non-compliance.

Details and assistance notes concerning Regulation 5 are enclosed in this information book.

- 7 Generally supply pipes with an OD of 63mm and above will require chlorination, sampling and a water quality certificate confirming suitability for use as a potable water supply. Pipelines of smaller diameters may also need to be chlorinated. We'll advise you of this at time of survey. We can quote to provide this service or, alternatively, you may arrange this yourself. You must provide us with the successful test certificate before we lay the new connection if you arrange this yourself. Please call Developer Services on 01202 590059 if you need more information.
- 8 For the safety of our staff, we won't make any connections or carry out work underneath or in the vicinity of scaffolding. Please ensure that all such scaffolding is removed before requesting a connection.
- 9 Service pipes and ducts should be laid in straight runs and should not cross neighbouring building plots. When laying multiple service pipes together, please label the tails of the pipe to indicate plot numbers. This also applies to internal meter installations.
- 10 Unless there are exceptional pre-agreed circumstances, disconnection of existing supplies will be done at the time of providing the new connections. We'll charge to carry out this work subject to survey.
- 11 If a boundary box is to be used, the back edging and front kerb of any footpath must be fitted prior to the final inspection.

Site assessment – contamination

Bournemouth Water has an obligation under the Water Supply (Water Fittings) Regulations to safeguard against contamination of water supplied through its pipes. Accordingly, all water pipelines must provide adequate protection from organic or inorganic contaminants and toxic substances that may be present within the soil. Such contaminants can pose a serious human health hazard as they can permeate through pipe materials and pollute the water supply. They can also accelerate the deterioration of unprotected pipe materials resulting in premature failures, leakage and loss of water quality.

Developers/contractors/installers must provide us with an assessment of site conditions in relation to contamination. It would be prudent to consider a contamination report even on 'greenfield' sites as the developer/contractor/installer will be liable for any retrospective fittings, alterations and additional costs incurred by us, should contamination be found at a later stage. The assessment should be based on the 'Guidance for the Selection of Water Pipes To Be Used In Brownfield Sites – Report Ref No 10/WM/03/21' or any later guidance that may come out. Copies of this report can be obtained from UK Water Industry Research Limited, 8th Floor, 50 Broadway, London SW1H 0RG or www.ukwir.org

It's our policy that all greenfield sites that are to be acquired for industrial use will require barriered polyethylene or its equivalent for all underground water mains and supply pipes. Where there has been former use or where there is established use of industrial activity, that site will be deemed to have the potential to be contaminated. In such situations barrier polyethylene or its equivalent will again be the specified material for use.

Please note that we use protectaline pipe. To avoid any connectivity issues it may be advisable that you use this product on site. Alternatively, if a different manufacturer of barrier pipe is used, please ensure that it can be connected to the protectaline system.



Domestic residential sprinkler systems

An information sheet on this can be found on our website or we can provide a printed copy if requested.

Regulation 5 – Water Supply (Water Fittings) Regulations – conditions for new connections, your duty to notify planned works

Your duty to notify

Notification is now required for a much wider range of plumbing activities than under the former byelaws. If you're planning to carry out work on a plumbing system, the Water Supply (Water Fittings) Regulations 1999 require you to notify us and obtain consent for the work before it's carried out. If you ignore these requirements you breach the Regulations and commit a criminal offence, which could lead to prosecution. We'll be enforcing these requirements as part of the duties given to us by the Government.

The Water Supply (Water Fittings) Regulations

The Regulations set requirements for the design, installation and maintenance of plumbing systems, water fittings and water-using appliances. They're also there to prevent waste, misuse, undue consumption, contamination and erroneous measurement of water. They apply in all types of premises to plumbing systems, water fittings and appliances connected or to be connected to the water supply. They apply to underground pipework, including the service pipe connecting premises to the supplier's water main.

Who has to notify the water supplier?

Regulation 5 requires any person who proposes to install a water fitting in connection with any of the operations listed in the 'Description of works' on page 9 to give prior notice to the water supplier. Work mustn't start unless consent has been granted. Notification can be made by the owner or occupier of existing premises, or by the designer or builder of proposed installations, but if they haven't done so, it's the installer ultimately who must obtain consent.

What work has to be notified?

Prior notice must be given for the installation of water fittings in connection with any of the operations stated in the 'Description of works' on page 9.

The installation of all pipework and fittings must comply with the Water Supply (Water Fittings) Regulations 1999. You will also need to provide a schematic diagram of the hot and cold pipework layout and a schedule of the water fittings and materials. A copy of the Regulations and code of practice for their enforcement is available free of charge. No water supply will be provided unless these conditions are met.

Please note that due to the fluctuating pressure in our area, storage of at least 225 litres actual capacity is recommended on each domestic installation. We advise that if storage has been provided, all internal fittings, apart from the drinking water tap, should be supplied from the storage cistern. Bournemouth Water will supply a minimum pressure of 14.2 PSI (10 meters head) at a flow of 9 litres per minute at the stop tap on the highway. Storage requirements for commercial, industrial and agricultural premises should be subject to survey and risk assessment.

Notes to assist in giving notice under these Regulations

In the 'Description of works' on page 9, the Regulations set out the nature of work which must be notified in advance. When filling in Section 6 (Description of proposed work) on the enclosed notification form, you may use the numbered codes from the 'Description of works' on page 9. Please ensure that you list all the numbers relevant to the proposed installation.



Regulation 5 – Water Supply (Water Fittings) Regulations 1999 – guidance notes

Whole site protection

Since 1 April 2009 the requirement exists for all new non-domestic supplies to be fitted with suitable backflow protection.

In line with the recommendations of the Water Regulations Advisory Scheme guidance note 9-04-05, Bournemouth Water requires all new non-domestic supplies to have whole site backflow protection to a fluid category 3. This should be installed at the boundary of the premises or at the first available above ground location (subject to our agreement) and be accessible for inspection and servicing. The backflow protection should be a double check valve or other no less effective device. This must be tagged with the date of installation and replaced every five years. Installations will be inspected prior to any final connection to the mains network.

Requirements

Connections will not be made to the water main until a suitable device has been installed and inspected by one of our Regulations Officers.

Devices fitted at the point of entry should be installed immediately after the first stop tap.

External devices should be installed in a chamber as close as practicable to the boundary of the site and allow for any future inspection, operational maintenance or renewal. The valve will be raised to approximately 450mm below ground level. Ridged thermal insulation such as polystyrene block (Celotex) must therefore be installed to prevent frost damage. Check valves that are verifiable, vented or those with operational relief ports shouldn't be used below ground.

Boundary backflow protection may be requested as well as point of use or zonal backflow devices, should the risk be deemed sufficiently high to require additional protection.

Any backflow device should be adequate for the degree of risk and satisfy the appropriate British Standard or acceptable equivalent.

For further advice on this or any other Water Regulations issue visit www.wras.co.uk, email Bournemouth Water at waterregs@bournemouthwater.co.uk or phone 01202 597114.

Description of works

The installation of a water fitting in connection with:

- 1 The erection of a building or other structure, not being a pond or swimming pool
- 2 The extension or alteration of a water system on any premises other than a house, i.e. commercial, industrial or agricultural premises or outbuildings
- 3 A material change of use of any premises, i.e. structural alterations to form more than one dwelling, such as the conversion of a house into flats; or domestic to commercial/industrial premises

The installation of:

- 4a A bath having a capacity, as measured to the centre line of the overflow, of more than 230 litres e.g. spa bath or jacuzzi
- 4b A bidet with an ascending spray or flexible hose
- 4c A single shower unit (which may consist of one or more shower heads in a single unit) of a type specified by the Regulator
- 4d A pump or booster drawing more than 12 litres per minute, connected directly or indirectly to a supply pipe, e.g. pumped delivery showers (power showers), pressure washers, high rise buildings with pumped delivery systems
- 4e A unit which incorporates reverse osmosis, e.g. pure water systems
- 4f A water treatment unit which produces a waste water discharge or which requires the use of water for regeneration or cleaning, e.g. certain types of domestic/commercial salt regeneration water softeners
- 4g A reduced pressure zone (RPZ) valve assembly or other mechanical device for protection against a fluid which is in fluid category 4 or 5
- 4h A garden watering system, except one designed to be operated by hand, e.g. above and below ground irrigation systems, porous hoses and garden sprinkler systems
- 4i Any water system laid outside a building, either less than 750mm below ground level or more than 1,350mm below ground level
- 5 The construction of a pond or swimming pool over 10,000 litres capacity, designed to be replenished automatically with water supplied by the water undertaker

Approved Contractors (Approved Plumbers)

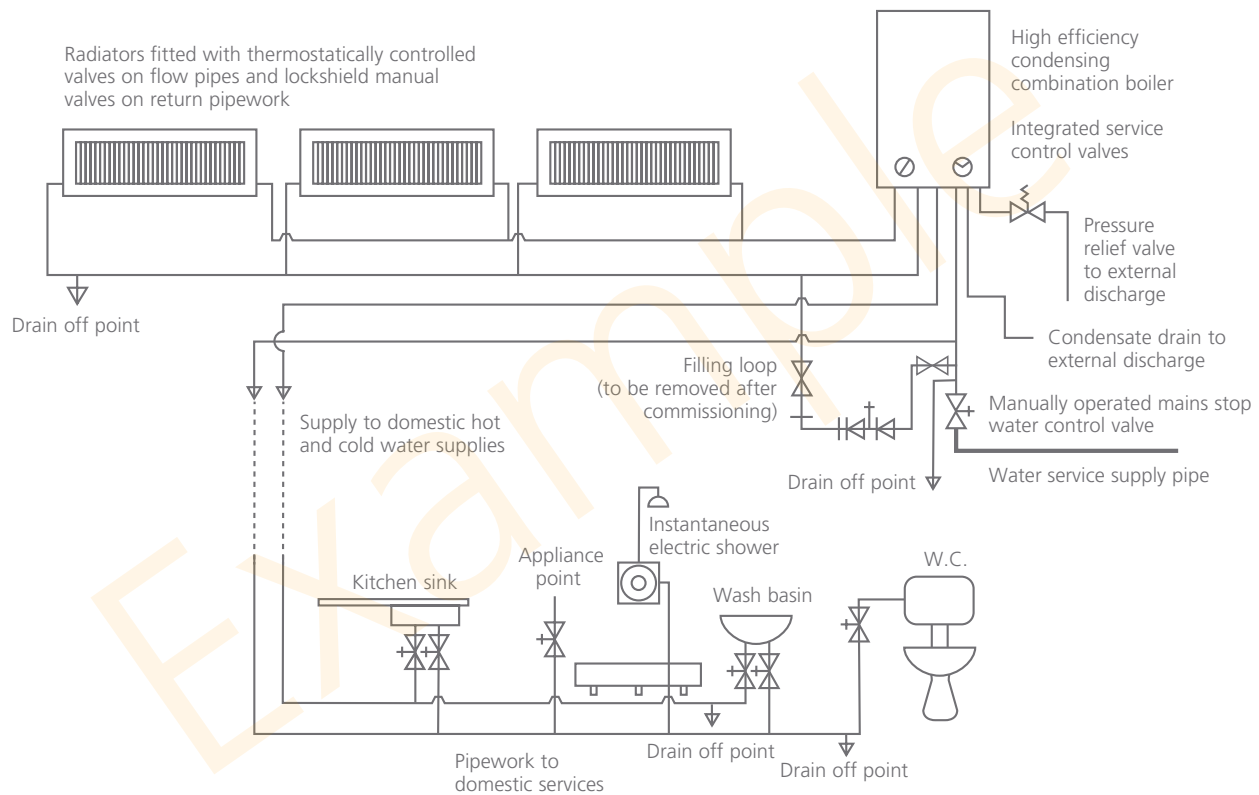
An Approved Contractor will certify that any installation or maintenance work satisfies the Regulations. Should any breaches of Regulations be found in the certified work, the legal responsibility falls upon the Approved Contractor and not the owner or occupier. In addition, Approved Contractors can carry out work in categories 2, 4b and 4g in the list above without giving prior notification, provided that after completion they certify in writing to the person who commissioned the work that the work complies with the Regulations.

Plumbers registered with the WaterSafe scheme have demonstrated their experience of plumbing work and knowledge of the Regulations and have liability insurance cover. Most water suppliers in England, Scotland and Wales support the national WaterSafe scheme and can provide a list of approved plumbers who are available for work in the region.

This list is also available through the Water Regulations Advisory Scheme website – www.wras.co.uk

Please contact our Water Regulations department on 01202 597114 if you have any queries relating to the conditions, Regulations or the guidance notes.

Example of a schematic diagram of the hot and cold pipework layout



Water Supply (Water Fittings) Regulations 1999

Note: The diagram is only an indication of the type of information required on a schematic and not an example of an ideal domestic plumbing system.



Infrastructure charges – your questions answered

What are infrastructure charges?

They are charges made under Section 146 of the Water Industry Act 1991 by water and sewerage undertakers. They apply to premises being connected for the first time to the undertaker's water and/or sewerage systems for domestic purposes. The connections can either be direct or indirect via private mains.

'Domestic purposes' means water used in homes or other premises like offices and shops, as well as water used for personal hygiene and cooking in industrial buildings.

Why were they introduced?

The government introduced them because all new developments and first-time connections place extra demand on our water supply and waste water networks.

Income from the charges enables us to improve the network to accommodate the extra demand. This means that those placing the extra demand on the network pay towards the improvement costs. The charges are designed to reflect the different levels of potential demand by different kinds of development.

How much are the charges?

The standard amount applies to each house, flat, bungalow or other separately occupied premises with its own standard size water supply connection. Please refer to the 'Developer, new connection and infrastructure charges' booklet for the standard charge.

The relevant multiplier (RM) applies to certain types of development which are regarded as placing a non-typical load on networks. The RM is used to modify the infrastructure charge per property based on the number of taps and water fittings in the premises. Each water fitting is given a loading unit. See Appendix 1 on page 13.

The total charges for the premises are calculated using the following method:

- The loading units are added up based upon Appendix 1.
- This figure is divided by 24, which is the average loading unit for a domestic dwelling prescribed nationally. The resulting figure is the RM.
- The RM is then multiplied by the standard infrastructure amount, this giving the total charge for the premises.

When does the relevant multiplier (RM) apply?

- Where more than one house or flat is to be served by a common supply pipe and a common billing agreement has been entered into for future payment of water/sewerage charges.
- Non-domestic premises that are to be served by a supply pipe larger than the standard domestic size (25mm OD).

Will any allowances be given?

Where a site is redeveloped, the water infrastructure charge shall be limited to the net increase in the number of premises on the site after development has taken place. A maximum period of five years is used in determining the number of units on the site prior to redevelopment commencing.

How are the charges assessed for redevelopment/conversions?

- The net increase in the number of connected premises on site, multiplied by the standard amount.
- The total RM of all the premises less the maximum number of premises previously connected.

Infrastructure charges will not be applicable if the development results in a reduction of premises on site or if the RM less previous connections comes to zero (or less).

Payment dates

The water infrastructure charge is included with the quote for new connections and must be paid to Bournemouth Water:

- At the time a connection is made and the water is available whether the supply is full flow or temporary by the use of a cap or similar appliance; or
- Where the applicant prefers, at the time of payment of the relevant connection charges.

In the case of the water connection of a building or part of a building which is occupied as a dwelling/house immediately before the connection is made:

- The relevant charge shall be paid in full, within one month, after the connection in respect of which the charge payable is made, or at the option of the person liable to pay the relevant charges, an amount equal to the installment amount shall be paid in each of the twelve years following the relevant connection being made, subject only to that person giving such undertakings to that effect as Bournemouth Water may reasonably require.

Persons chargeable

The person liable to pay the water infrastructure charge shall be:

- The person requesting the relevant connection to be made; or
- If the relevant connection is made without authorisation by Bournemouth Water, the person making such connection or the person using the service provided.

Network charge

Please note that we can make an equivalent charge for non-domestic connections. This charge is known as a network charge and as with infrastructure charges is in addition to the connection charges.

Important

Infrastructure charges will also be levied separately by the sewerage undertaker – Wessex Water or Southern Water – depending on the location of the development.

Appendix 1 – loading units for calculating the relevant multiplier

Water fitting/appliance	Loading units
WC flushing cistern.....	2
Wash basin in a house (note 2).....	1.5
Wash basin elsewhere.....	3
Bath (tap nominal size ¾ inch/20mm) (note 3).....	10
Bath (tap nominal size larger than ¾ inch/20mm) (note 3).....	22
Shower.....	3
Sink (tap nominal size ½ inch/15mm).....	3
Sink (tap nominal size larger than ½ inch/15mm).....	5
Spray tap.....	0.5
Bidet.....	1.5
Domestic appliance (subject to a minimum allowance of six loading units per house) (notes 4 and 5).....	3
Communal or commercial appliance (note 4).....	10
Any other water fitting or outlet (including a tap – but excluding a urinal or water softener).....	3

Notes

- Any fitting includes any plumbing, outlet, dedicated space or planning or other provision for that fitting.
- 'House' means any building or part of a building which is, or will be, occupied as a private dwelling. The expression includes a flat.
- 'Bath' includes a whirlpool bath or a jacuzzi.
- 'Domestic appliance' means an appliance (including a dishwasher, washing machine or waste disposal unit) in a house and 'communal or commercial appliance' means an appliance (including a dishwasher, washing machine or waste disposal unit) elsewhere than in a house (including in communal facilities).
- A minimum of six loading units shall be included for each house for domestic appliances (whether or not the house has any such appliances). This doesn't apply where neither a washing machine nor a dishwasher can be provided (and there is no plumbing, outlet, dedicated space or planning or other provision for either appliance) in the house.
- Where premises have only a sewerage connection and there are no water fittings, the relevant multiplier will be 1.

Example

A new 50 bedroom hotel with en-suite facilities and normal kitchens, toilets etc. with a 2" (63mm OD) MDPE connection.

Fittings	Loading units
50 WC flushing cisterns.....	100
50 Wash basins.....	150
50 Showers.....	150
50 Bidets.....	75
4 Sinks.....	20
2 Baths.....	20
2 Dishwashers.....	20
2 Washing machines.....	20
2 Waste disposal units.....	20
2 Outside taps.....	6
Total loading units.....	581

Divide by 24 to give relevant multiplier of 24.21

Therefore infrastructure charges payable would be:

Water = 24.21 x standard infrastructure charge*

Sewerage = 24.21 x standard infrastructure charge*

Please note

- The current standard infrastructure charge* will apply for any individual metered landlord/communal supply.
- Where we levy an infrastructure charge* for water supply it's also likely that the sewerage authority will make an infrastructure charge for connection to the public sewer. Please contact the relevant sewerage authority for confirmation of any charges.

*Please refer to our 'Developer, new connection and infrastructure charges' booklet for the standard charge.



Figure 1 – Metered supply pipe

Property with independent supply (fronting the street).

Communication pipe and meter chamber wholly within the street.

Note: The communication pipe (A-B) terminates at the outlet of the stoptap. The supply pipe (B-C).

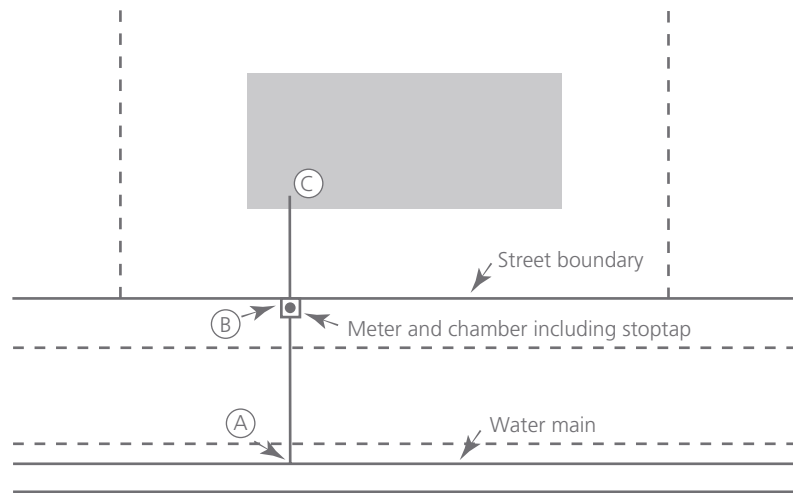


Figure 2 – Meter fitted in a boundary box

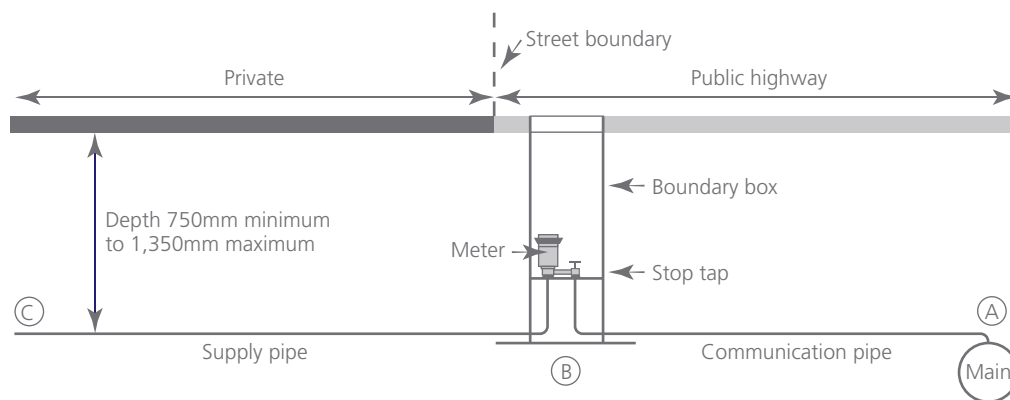


Figure 3 – Typical standpipe installation

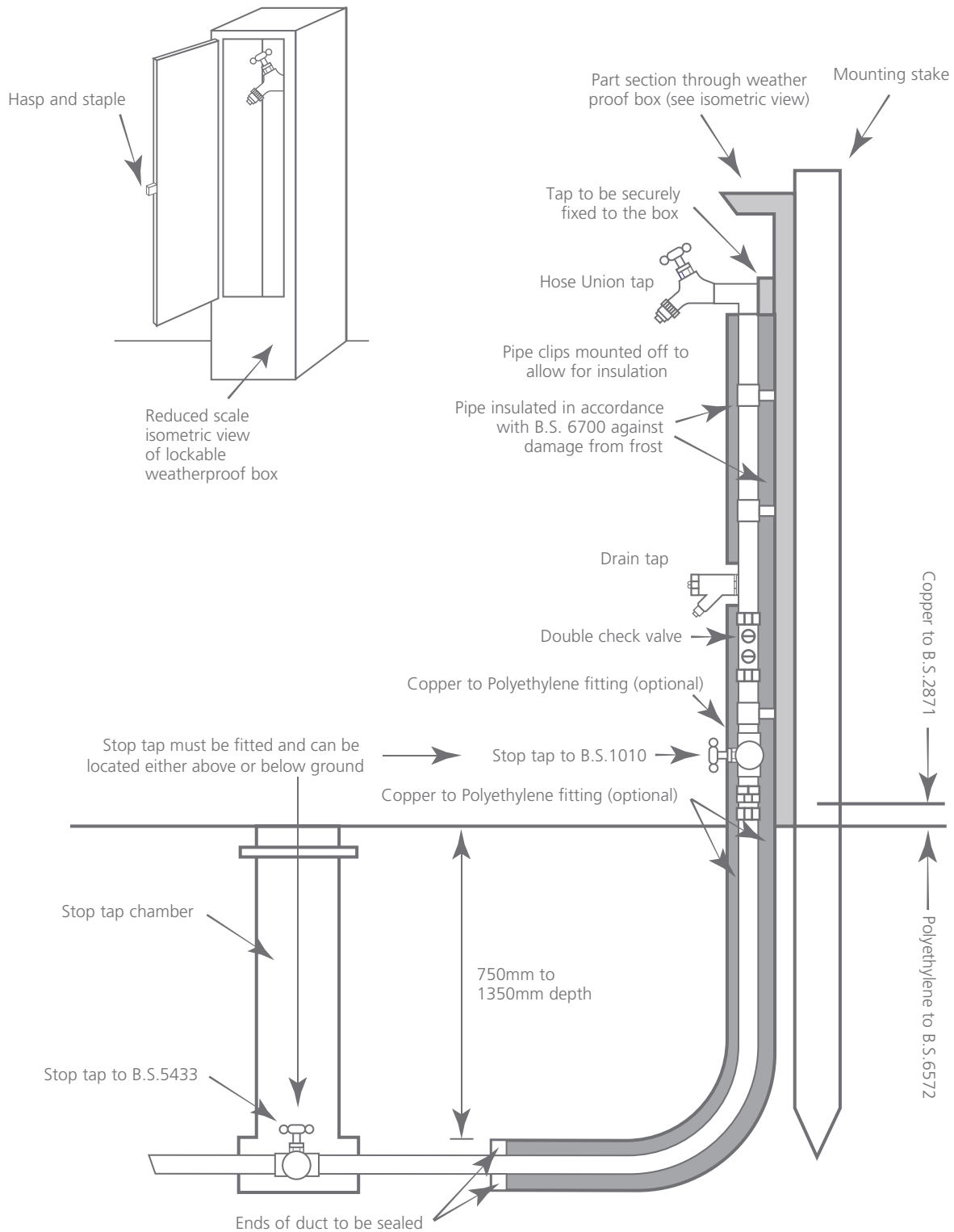


Figure 4 – Methods of service pipe entering a building

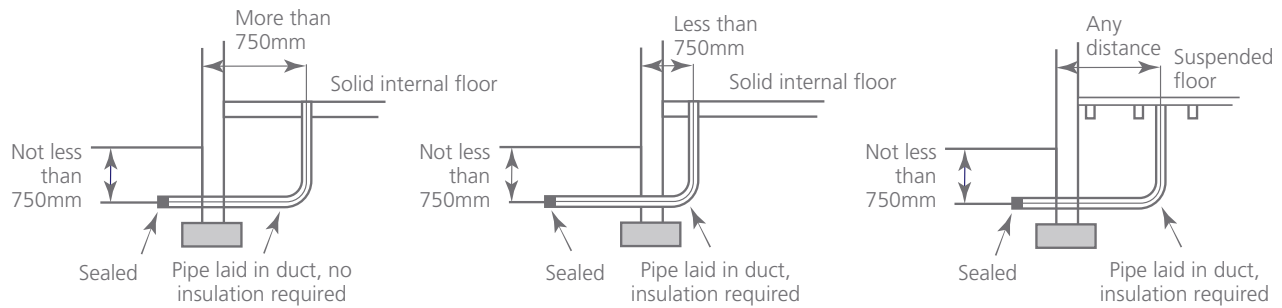
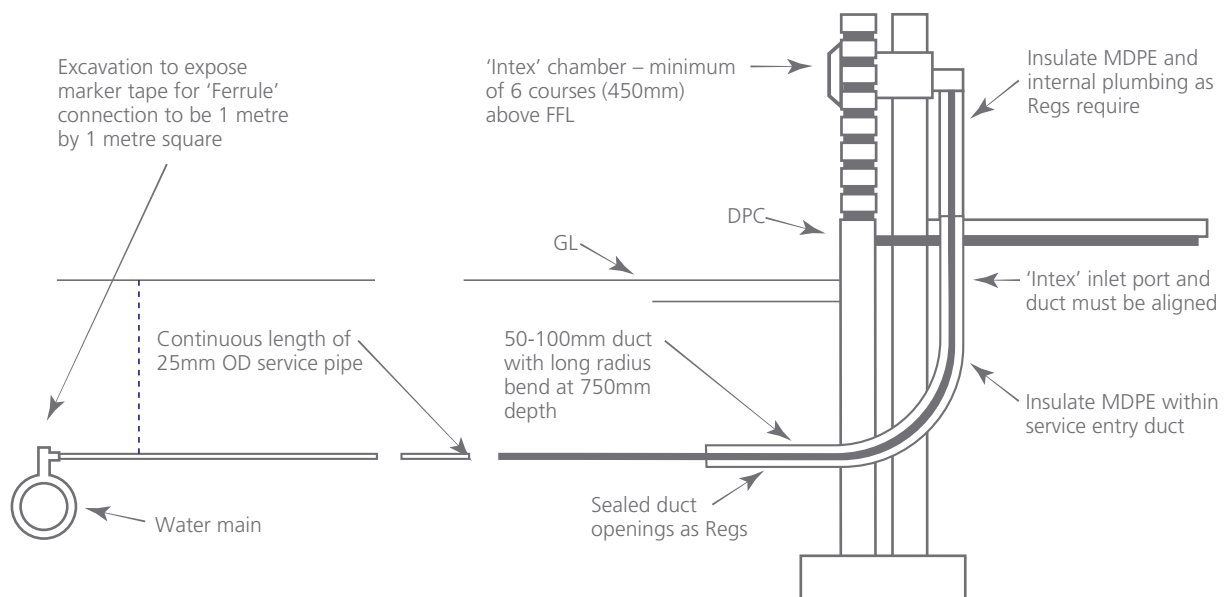


Figure 5 – Typical arrangement of an 'intex' water meter chamber installation

Alternative to meter fitted at the highway boundary – using an 'intex' water meter chamber installation built into the structure of the property.



Always pre-agree the wall-mounted meter box position. This will allow for appropriate choice of meter.



Figure 6 – Groundbreaker water meter chamber installation – Option 1 through wall

Use 90° elbow from Groundbreaker

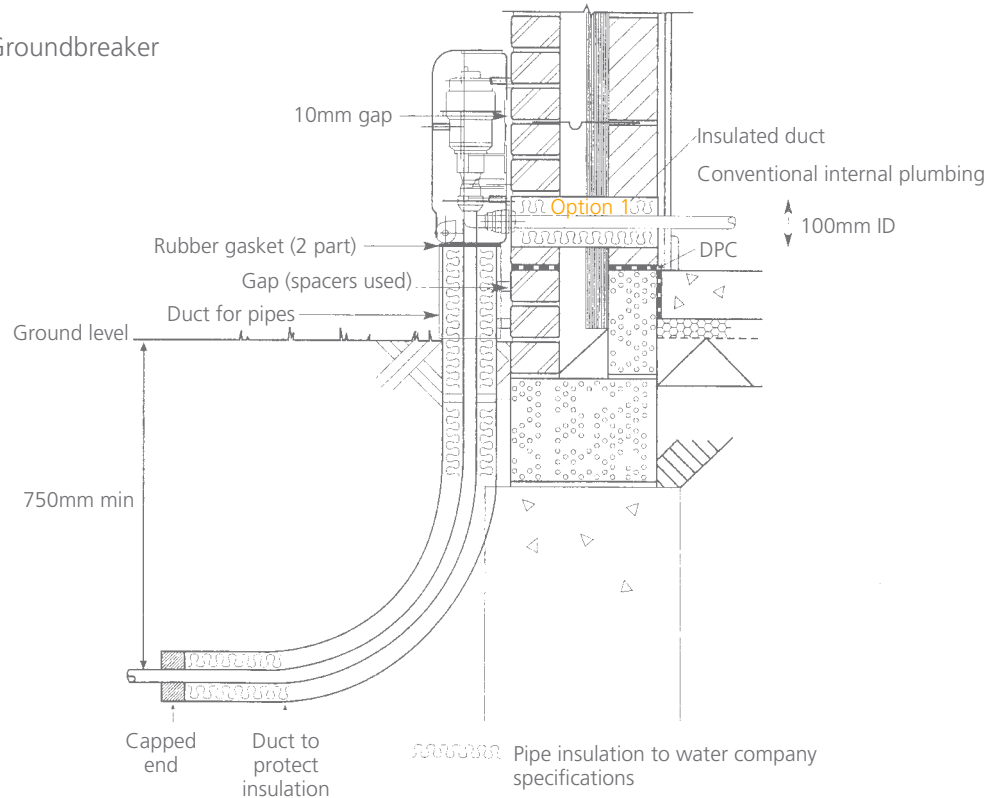
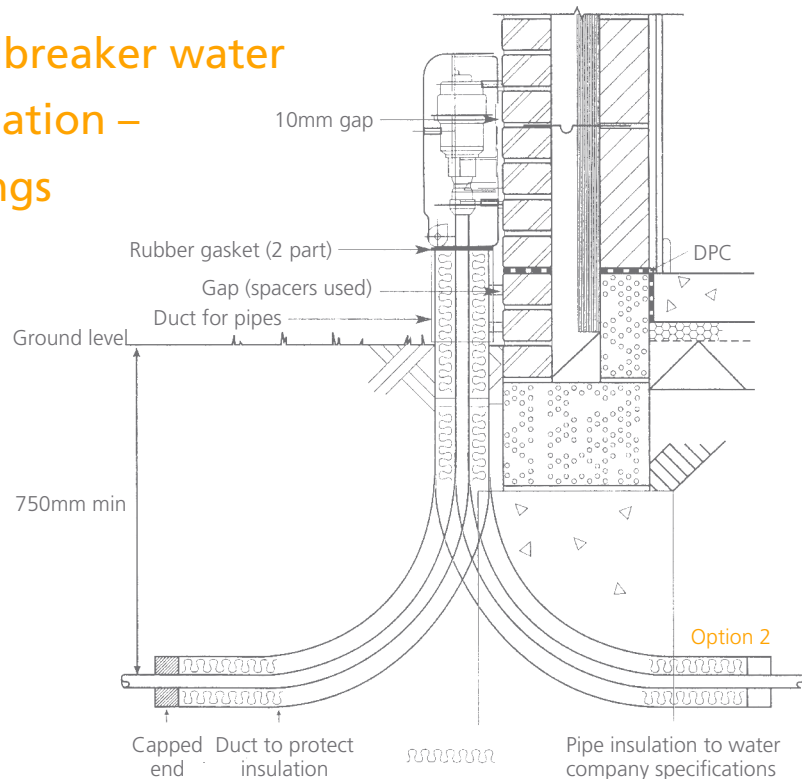


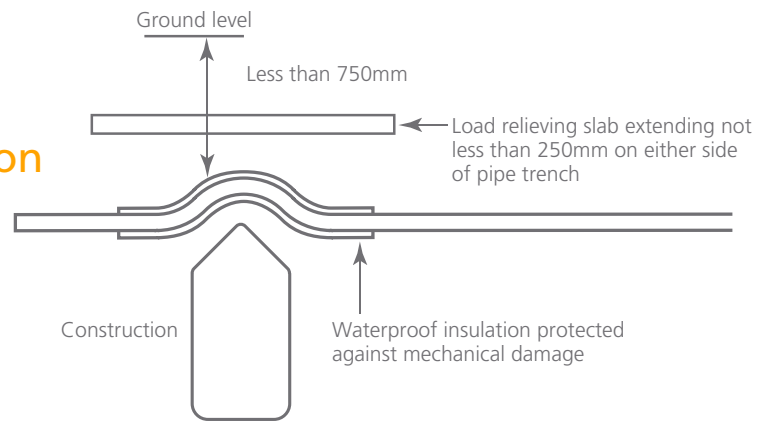
Figure 7 – Groundbreaker water meter chamber installation – Option 2 under footings (if required)

Remove 90° elbow from Groundbreaker and pipe through

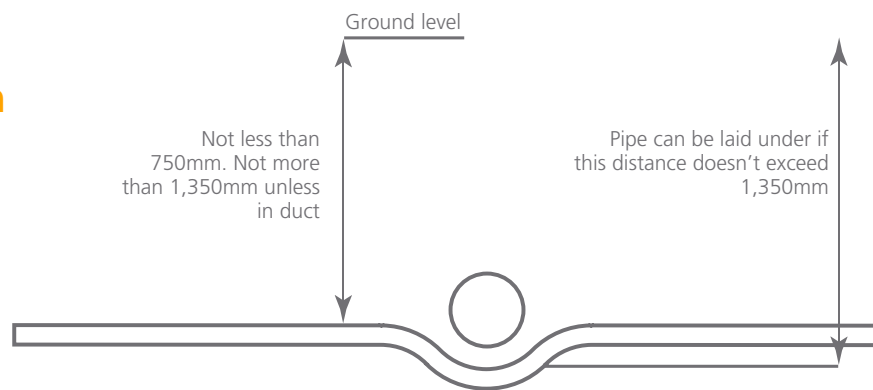




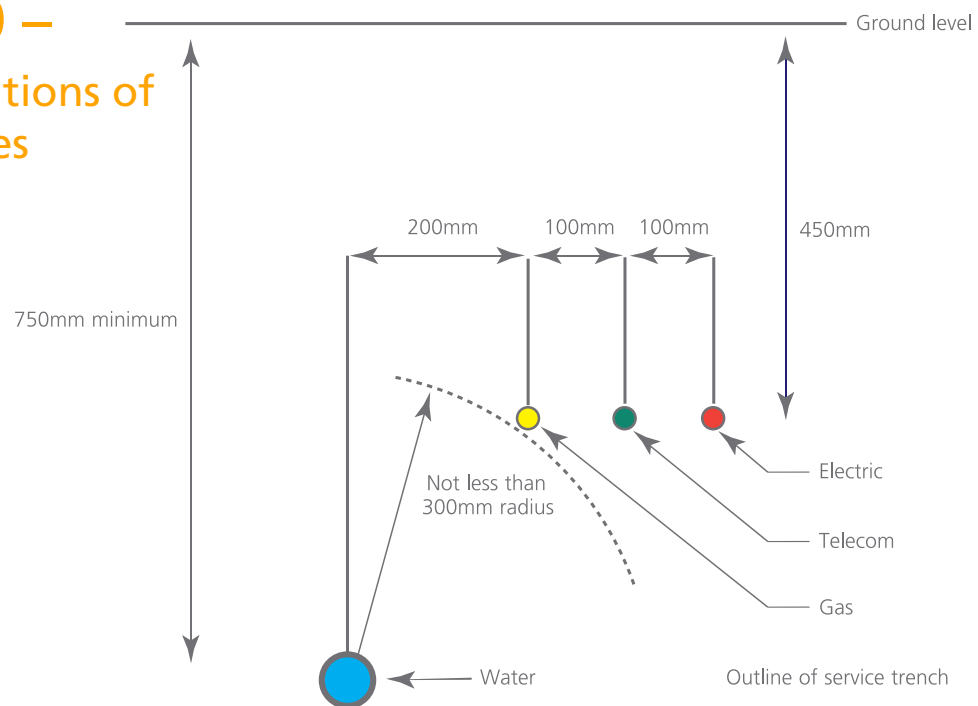
**Figure 8 –
Pipe laid over an
underground obstruction**



**Figure 9 –
Pipe laid under an
underground
obstruction**



**Figure 10 –
Relative positions of
utility services**









Stop Tap must be fitted and can be located either above or below ground

750mm to 1350mm depth

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