



technical guidance for developers

domestic gas



total utility
connections



In the case of a gas emergency call 0800 111 999



contents

This guide is here to help you prepare for the installation of the gas network on your development and how to do so in a correct and safe manner.

Please remember we are a heavily regulated industry, and the instructions in this document need to be followed in order for the installation of your network to go smoothly and safely.

If you have any queries at all please contact your dedicated Project Manager or call one of our team on (029) 2132 0350.

The reference number for your development is:

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If you smell gas at any time you must report immediately to the national emergency number:

0800 111 999

work and material call off

Work Call Off

Call off work with our team:

029 2132 0350

or

construction@totalutilityconnections.com

Lead Times

Mains work - approx. 20 working days

Services - approx. 15 working days

The fitting of gas meters will follow automatically as soon as the service has been completed.

Please note that prior to meters being fitted you must have entered into a contract with an energy supplier, we will need confirmation of this.

Materials

Mains Pipe - We will arrange for the mains pipes to be delivered ready for our teams to install. Please take care of delivered pipe as if any pipes have cuts or scratches to a depth greater than 10% of their wall thickness then they must be discarded.

Service Pipe - We will provide you with free issue service pipe that you will need to call off when you require, unless agreed otherwise at your pre-start meeting.

Please ensure that you cap any laid service pipe ends with the dust caps provided so as to avoid contamination of the inside of the pipe. Also please only use pipe provided by us to ensure that the correct size and specification is being used.

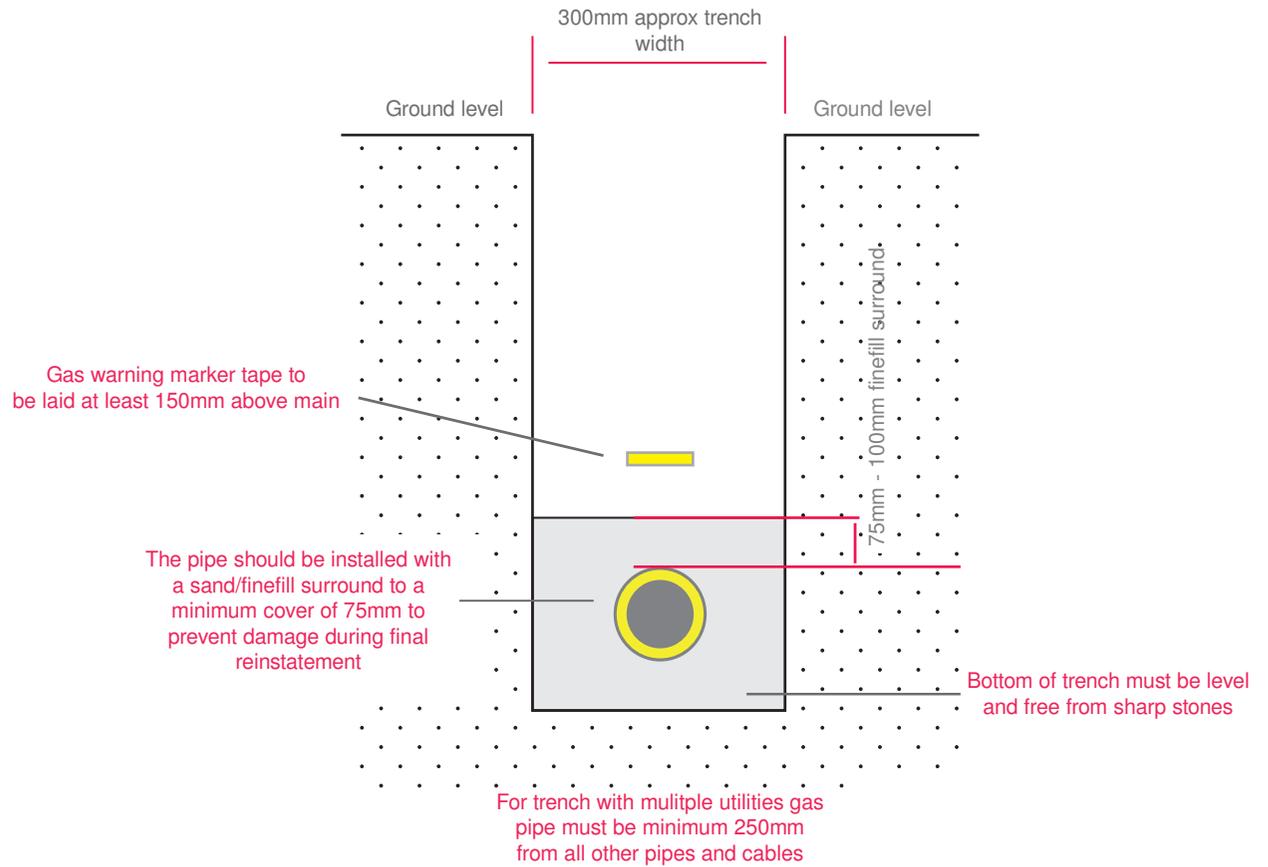
Meter Boxes - We will provide one meter box per plot (unless internal meter positions are specified on the Construction drawing). You will need to call these off and specify whether you require semi-concealed (brown, ground type), flush fitting (cavity type) or bolt-on wall boxes.

Please take care of the meter boxes we provide for you as the replacement of lost or damaged boxes, doors/lids, keys and fixing kits will be chargeable.

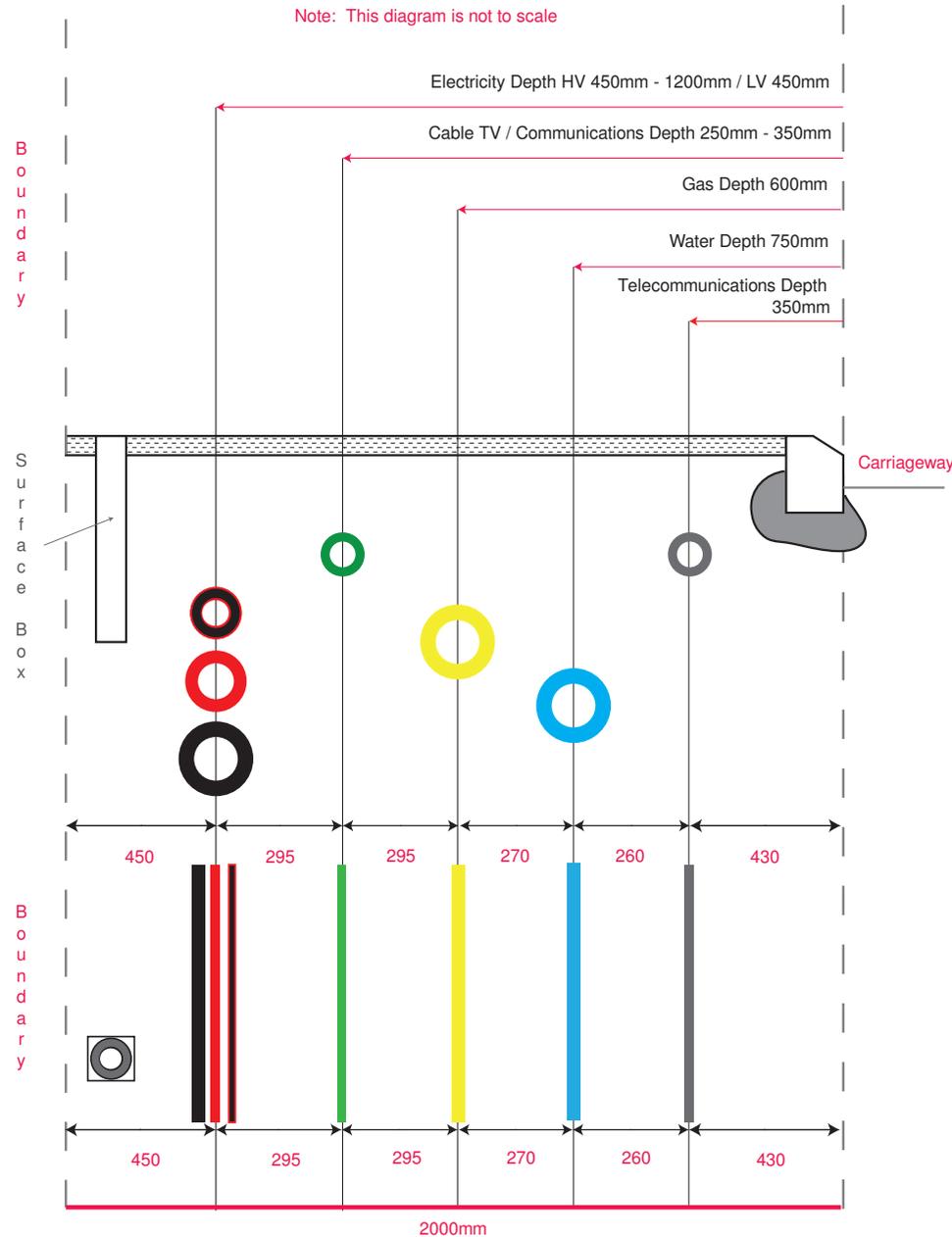
excavation for mains pipes

Total Utility Connections is responsible for laying all mains 63mm in diameter and above in trenches pre-excavated by the Client (unless otherwise stated) to the following minimum depths, using the diagram opposite as a guide:

Recommended depth of cover for mains pipes	
Road and vehicular/ pedestrian areas	750mm
Footpath	600mm
Verges	750mm
Open fields and agricultural land	1100mm



utility pipe and cable positions



The diagram opposite illustrates the recommended positioning for new utility apparatus in a 2m footway.

Depth of cover required in a Carriageway or Verge is 750mm with proximities to other utilities remaining as per the diagram.

The gas network design will be discussed at the pre-start meeting, if you have any subsequent problems or queries, then please contact your Project Manager who will be happy to advise and help resolve any issues.

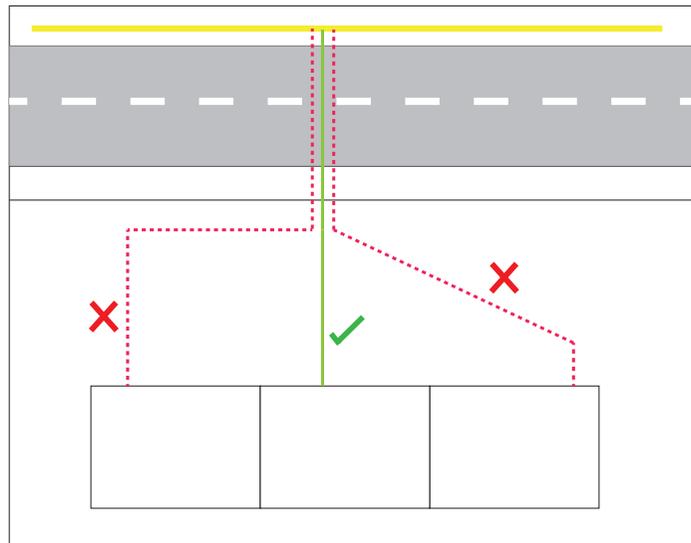
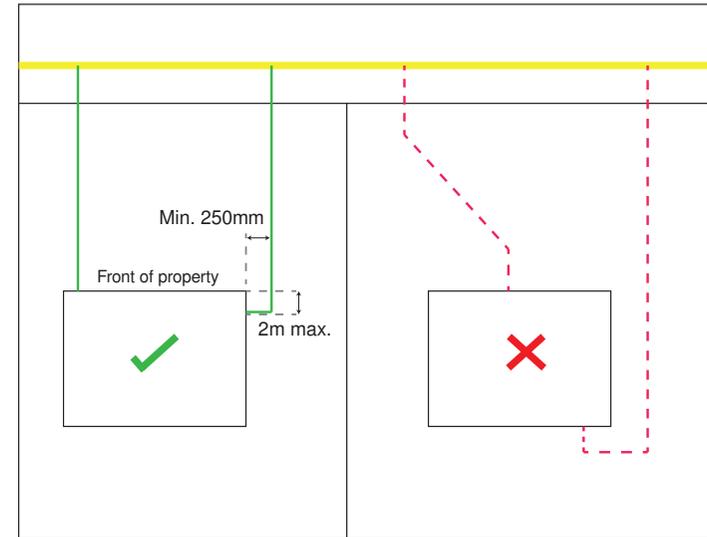
service positions

Service Positions

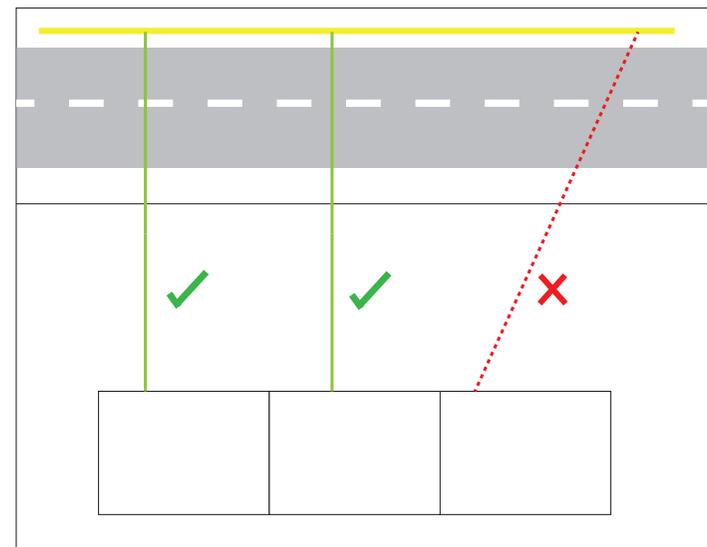
All services must be laid individually and perpendicular to the building taking the shortest route practicable to the main, unless otherwise indicated on the approved Construction drawing.

The position of the meter must be on the front of the property, or where it is required on the side of the property must be no more than 2m from the front gable end.

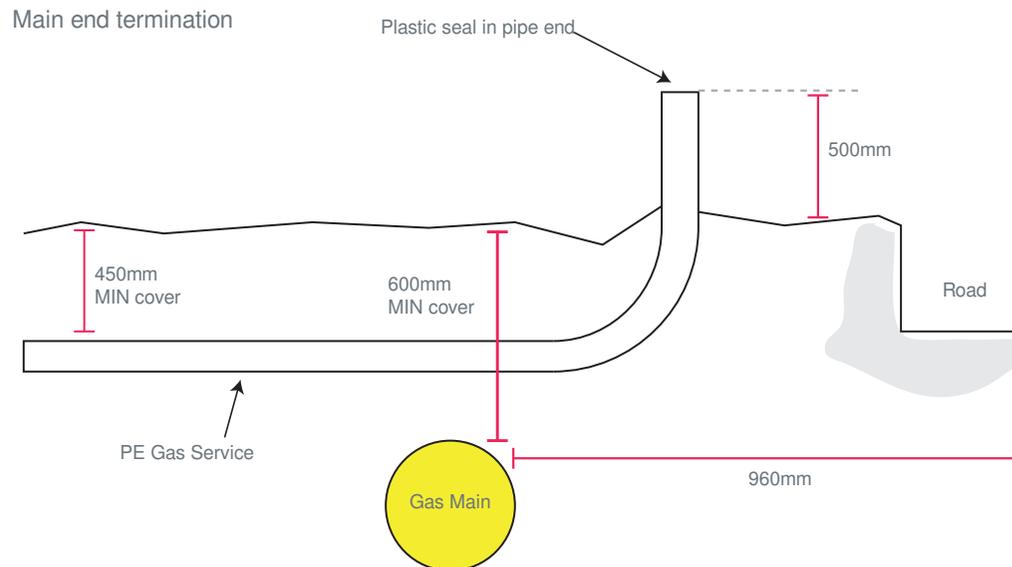
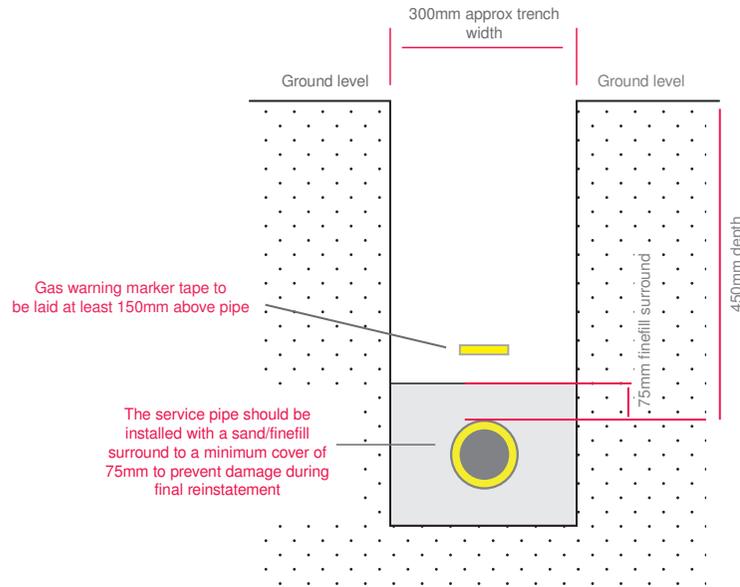
Where a service is required to cross the road to a main on the opposite footpath, it must be laid in an individual road crossing. We will try and minimise this as much as possible during the design stage, if you feel you cannot achieve the requirements, please contact your Project Manager.



Examples of service routes where road crossings required



service pipe trenches



Your responsibilities:

Lay service pipes as per Construction drawing

Ensure 250mm separation between service pipe and other utilities

Ensure 75mm cover of finefill material round whole of pipe

Place marker tape above finefill

Provide and install yellow perforated ducts for road crossings

Excavate at meter positions and to soft fill over gas main

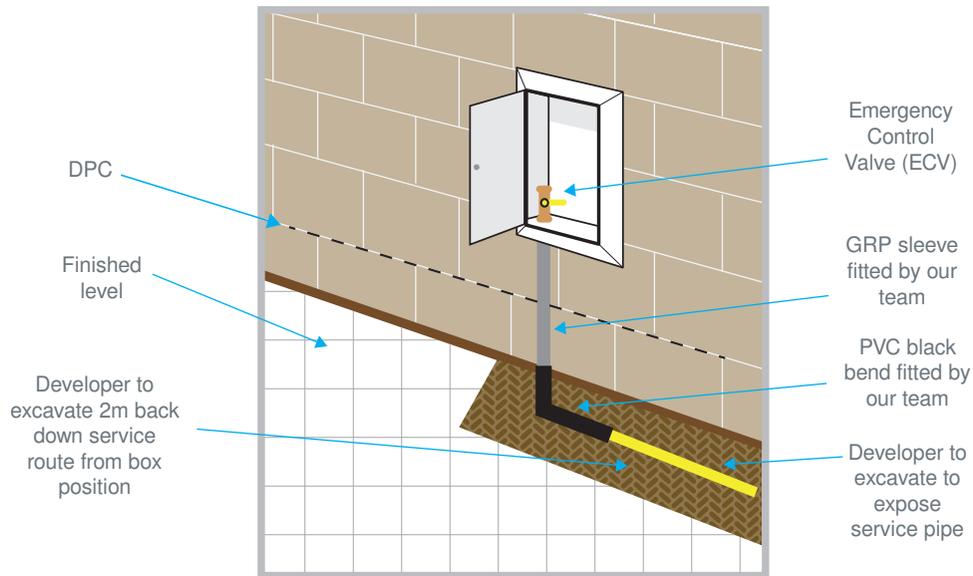
Install meter boxes and doors/lids

Minimum depth of cover for service pipes:

Private Ground = 375mm

Footpath/Highways = 450mm

meter box installation



Flush Fit or Bolt On

Fix meter box to wall

Fit meter box door

Securely fit spigot outlet to prevent passage of gas into property

The meter installer will seal the route of the outlet pipework and label the meter accordingly

Semi-Concealed

Fix meter box to wall with base at ground level

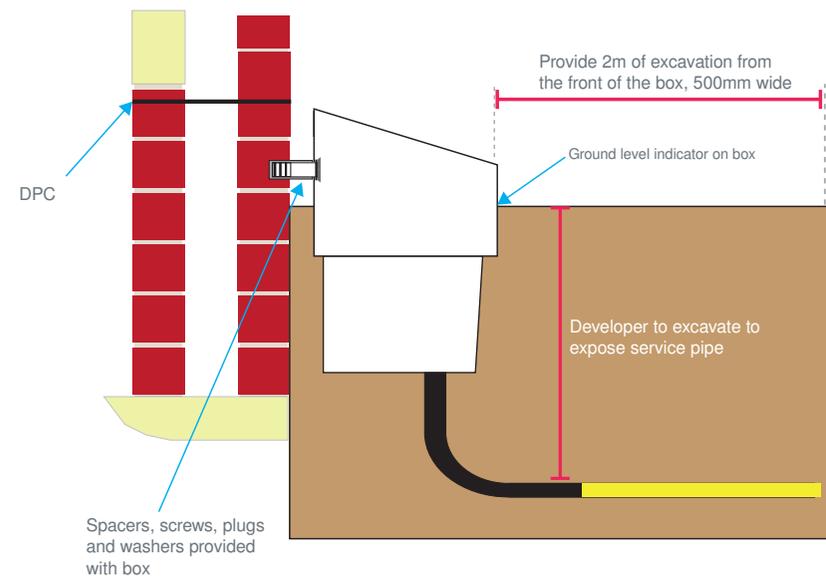
Must be minimum 150mm away from any air brick where no risk of water entering

Ensure box supported following installation

Fit meter box lid

Route outlet pipe through left or right hand side of box

Make continuity bond to outlet pipe



general advice

Sealing of Outlets

The meter installer will fit the meter and label accordingly. It is your responsibility to ensure that the meter box outlet spigot or any through-wall sleeve carrying the meter outlet pipework is correctly sealed to prevent the passage of gas into the property.

Failure to do this is a breach of the Gas Safety (Installation and Use) Regulations.

Handling of Pipe

Mains pipe may be delivered to site in coils or straight lengths. Individual smaller coils are generally capable of being handled manually, however larger coils will require mechanical handling using soft straps.

The handling of straight pipe lengths requires some expertise especially once any pipe packs have been unbound. Total Utility Connections will move individual mains pipe lengths from the storage point to the construction location.

Please remember that you are not permitted to lay any gas mains pipe, this must be done by one of our qualified installers.

All pipe ends must be left sealed to prevent the ingress of any materials or liquids.

Ducts

Yellow perforated rigid plastic ducting can be used for perpendicular road crossings only and will be discussed at your pre-start meeting.

It is your responsibility to supply and install any ducting to the correct specification otherwise we may not be able to lay pipe through incorrectly laid ducts.

Gas marker tape must be laid at least 150mm above all ducts as would happen with all gas pipes.

Gas Pipe External Diameter	Duct Internal Diameter
20/25/32mm	50mm
63mm	100mm
90mm	150mm
125/180mm	225mm
250mm	350mm

If you need any further help or information, please contact your Project Manager or our team on 029 2132 0350

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