

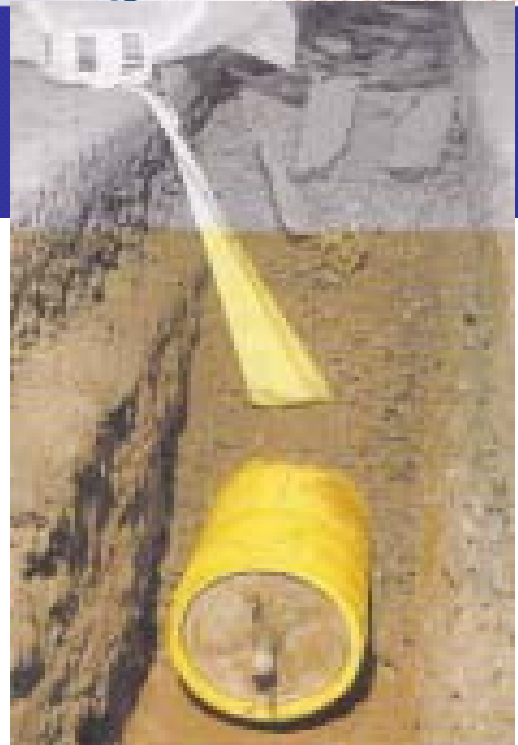
Excavation

Introduction

In most cases it is the developer's responsibility to pre-excavate all trenches on site. This must be done before SGN or its approved contractors arrives on site. The trench bed must also be prepared to receive the pipe.

The bottom of the trench must be prepared to provide a bed for the pipe. The bed must be levelled and suitably compacted so as to provide a firm support under the pipe and must be free of sharp objects such as bricks, concrete and rocks. It may be necessary to import backfill material for pipes laid in these conditions. Wherever possible the service trench bed must have a continuous downward gradient from the building towards the main. Make sure trenches are safe before any work is carried out in them.

The developer must not carry out excavations that are in the public highway without proper licensing. SGN Connections are licensed to do this work.



Trench depths and cover of pipes

Trench routes must be laid out as per the proposal drawings agreed with SGN Connections.

The minimum depth of cover for mains and service pipe must be to the specification detailed in **Table 1 and Figures 1 & 2.**

Table 1. Minimum depth of cover

Pipe	Location	Cover
Services in	Private/garden	375mm
	Public/footway	450mm
	Public/roadway	450mm
Mains in	Public/footway	600mm
	Roadway/verges	750mm
	Fields	1100mm

All our quotations are normally based on a one visit approach to lay all mains unless otherwise requested and agreed at the time of the quotation. Additional variations will be charged for - please check your quotation for full details of our conditions.

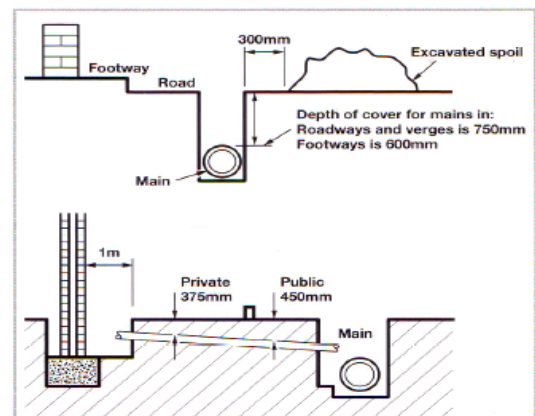


Figure 1. Typical Trench layout

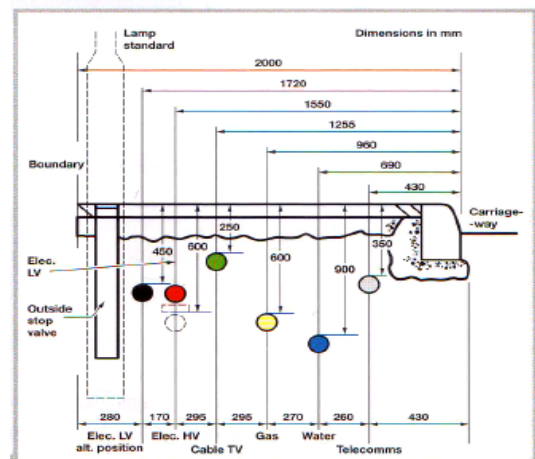


Figure 2. Typical layout of Utilities plant in a 2m wide footway.

Ducting

- **Gas ducting must be yellow in colour, vented appropriately and perforated. Gas marker tape must be laid 200mm above the duct to avoid interference damage to gas pipes. Polyethylene (PE) gas, water or cable pipe must not be used as a duct.**
- Ducting must be laid in a straight line
- Care should be taken to ensure that ducting is not kinked or obstructed
- The correct size service pipe ducting must be installed at the correct depth, ensuring that sufficient room is left at each end of the duct to allow access to make the connection to the main and the service termination point. The mains connection must be left open with sufficient duct exposed to receive the service pipe and you must allow a minimum of 1m at the entry point to allow us to assemble the required fittings.
- The duct must not be blocked or obstructed. If we have to leave site due to blockages or incorrectly installed ducts, Developers may be charged for any additional visits required.
- SGN Connections do not provide ducting.
- We recommend that ducting for mains should be avoided wherever possible. Please contact SGN Connections for advice.

Table 2. Ducting

Pipe size	Minimum Duct Size
<=32mm	50mm
63mm	100mm
90mm	160mm

Coiled Pipes

Pipe delivered to the site must be unloaded carefully. Appropriate cranes, ropes and skids may be used for this purpose.

Individual coils of pipe must be stored on pallets or on firm level ground. Coils delivered by suppliers are already palletised and are secured by restraining straps: such coils must remain secured to their respective pallets during storage, the straps only being broken when the coil is to be used.

Call Off Procedure

When you contact SGN Connections with a request please detail the specific work required and when access to the site will be provided. You must clearly state which sections of main and/or services you require, such as the road name or number for mains and the plot or house numbers for services. It will not be possible for our teams to undertake work outside of that which has been agreed and quoted. Any additional call off requests may result in additional charges. These call offs will be in accordance with the programme of work agreed with SGN Connections before the project begins. Any subsequent call off requests may result in additional charges.

Scaffolding

When you contact us for the installation of gas mains and/or services it is important that all the areas in which we need to work are clear of obstacles including any scaffolding. SGN or its approved contractors are not permitted to work under or in close proximity to any scaffolding. Any visit where clear access is not possible will be aborted and you may be charged for additional visits. Please ensure that the area is clear of scaffolding and other obstacles before we arrive on site to avoid any delays to your work.

LEAKAGE FROM GAS PIPES

What to do if damage occurs or a gas smell is detected:

- Inform SGN on 0800 111 999
- Enforce "No Smoking"
- Remove naked flames or heat
- Inform the supervisor
- Prevent any approach by the public
- Do not attempt repairs
- Assist SGN engineers or emergency services as requested

FOR GAS ESCAPES TELEPHONE 0800-111-999