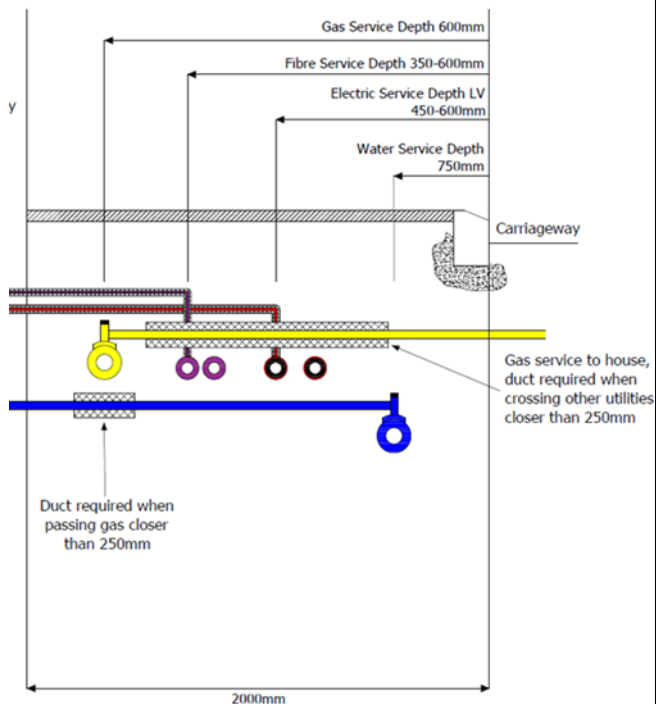


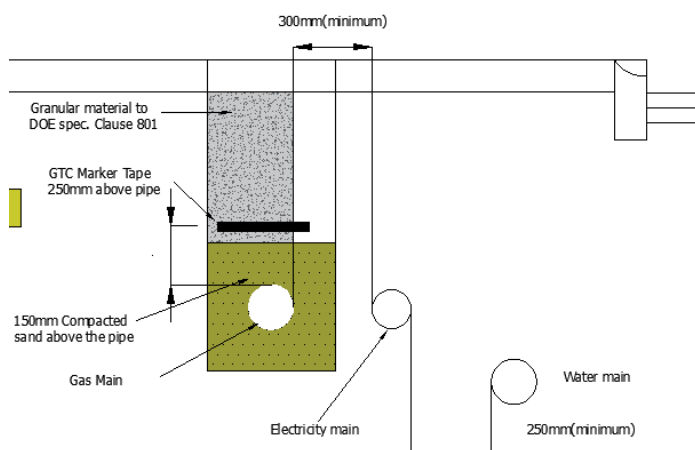
GROUNDWORKERS GUIDANCE – GAS

Road Crossings: It is the Developer's responsibility to install all ducts for road crossings and/or services.

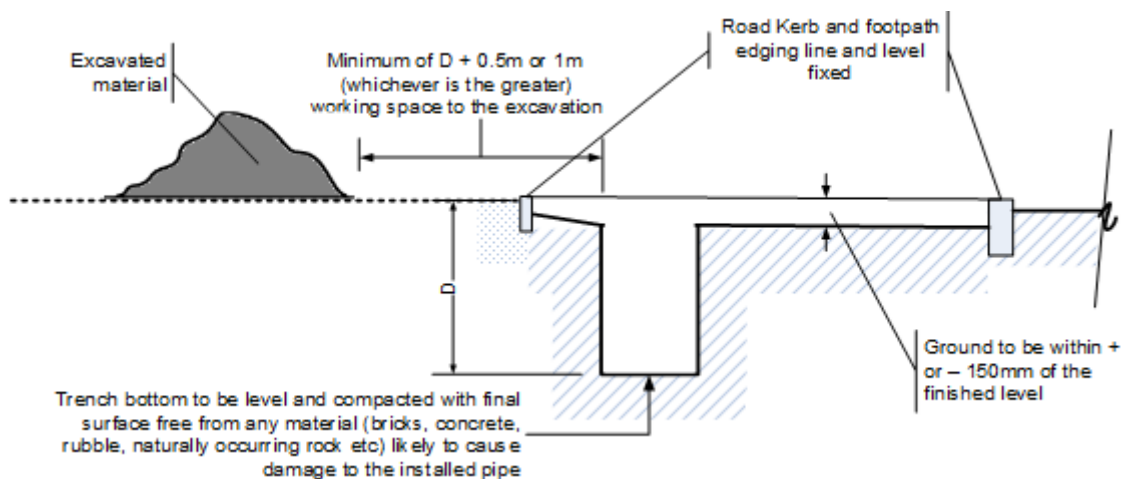
Setting Out: A typical footpath section is shown below, showing the relative service positions (not to scale)



Backfill Materials: The developer must arrange for their ground workers to be on site at the time when mains are being laid to ensure that the mains are surrounded by fine material e.g. sand or pea shingle to a depth of 150mm above the main as soon as possible to avoid damage. Mains will not be tested and commissioned until this partial backfilling is complete. A 'gas pipe' marker tape, supplied by GTC, must be incorporated within the backfill for all mains and road crossing ducts and be positioned 250mm above the main or duct as shown below:



Excavation for Mains



GROUNDWORKERS GUIDANCE – GAS

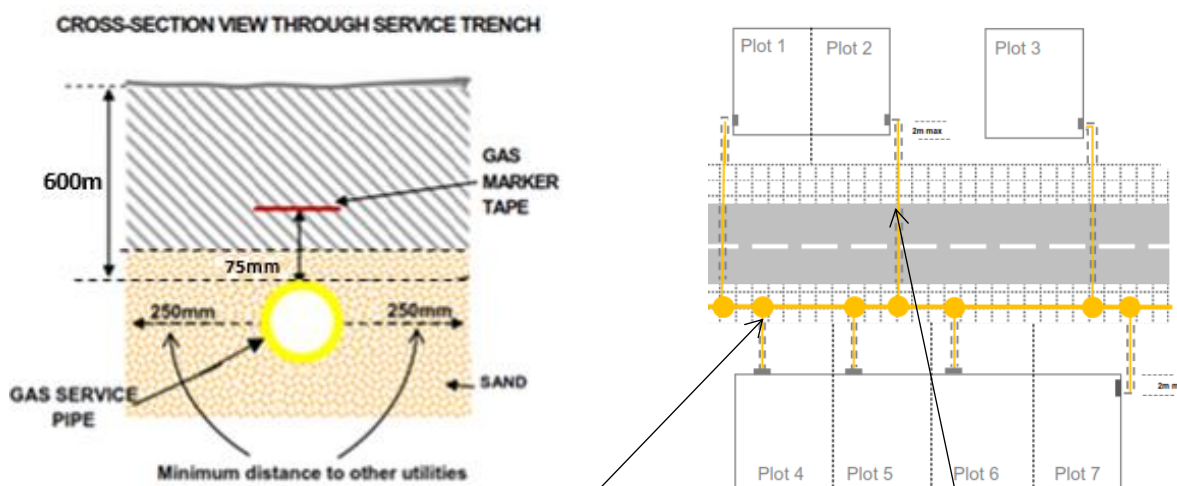
Gas Services on GTC Networks gas services can be installed by groundworkers, however the developer is responsible for ensuring that all those individuals installing gas service pipes are shown and fully understand the GTC Gas Service Installation Video and a register of those individuals is kept. Use QR Code to access the Groundworkers Guide to Laying Gas Service Pipe video.

The sketches overleaf show acceptable service routes. The service routes form part of the network and **MUST** be constructed to the standards set out in the above video.

Non-compliance with these standards will result in refusal to connect the service.

Services **MUST** be laid in an open trench or in a duct, the ducting should be a minimum of 60mm diameter, must be yellow and perforated along its entire length.

Password **GTCVideo**



Services to be laid perpendicular to property and main wherever possible. This provides a 'predictive' route for anyone working on the network at a later stage and reduces the risks associated with damage to underground apparatus.

Services crossing roads and must be laid in approved ducts.

NOTE: Services which **CANNOT** follow the designed route due to physical obstructions (e.g. drain covers etc) **MUST** be **INDIVIDUALLY** agreed with GTC before being laid and the Developer **MUST** produce an as laid drawing showing the agreed route and submit this to GTC prior to the service being connected.

If the service does not comply with the following requirements it will not be commissioned:

- The pipe / duct ends **MUST** be sealed and protected.
- The GTC preferred depth of cover is 600mm however it **MUST** be a minimum 375mm of cover in private ground, 450mm minimum in footpaths, verges, and highways.
- The route **MUST** be 250mm clear of all other utilities in all directions.
- Marker tape **MUST** be applied over the line of the service and/or duct.
- Backfill material should be sand, dust or pea shingle and free from anything sharp or heavy.
- The excavation each end of the service **MUST** be 800mm square, and the gas main exposed completely.
- Service ducts **MUST** be laid in a straight line and at 90 degrees to an elevation of the property.
- Semi concealed boxes are **NOT** permitted in trafficked areas e.g. driveways.
- Meter box types and locations **MUST** be in accordance with the approved design drawing in advance by an authorised GTC representative.
- Only the required length of pipe should be removed from the coil, all ends shall be immediately sealed to prevent ingress of water or debris.
- When dispensing the required amount of pipe from the coil - **BE AWARE OF THE STORED ENERGY**, when being straightened, it will spring back to its natural curve if released.