

Gas network connection standards

Introduction

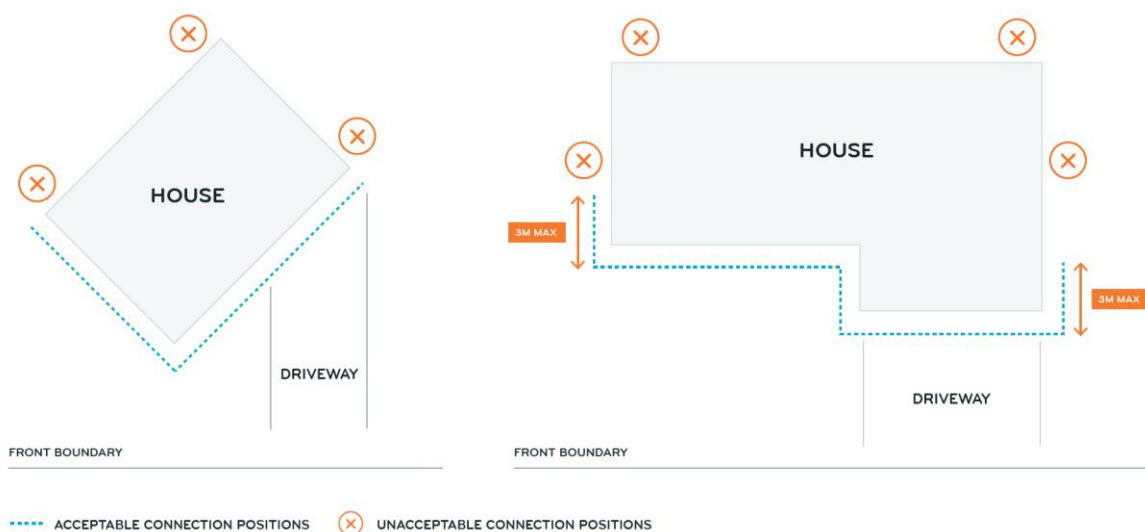
The Vector gas network connection standards provide the technical and safety processes for connection of a customer’s gas installation to Vector’s gas network. The specifications below are in two parts and show where gas meters can be installed and how pipes must be laid in open trenches.

These specifications apply in addition to any legislative or regulatory requirements, such as the Gas Act 1992, Gas (Safety and Measurement) Regulations 2010, AS NZS 4645 and any other applicable legislation, regulations, or standards.

For further details on Vector’s gas connection process, please refer to <https://www.vector.co.nz/personal/gas>

Gas meter - approved residential locations

The gas meter must be located at the front of the property or no more than 3m down the side.



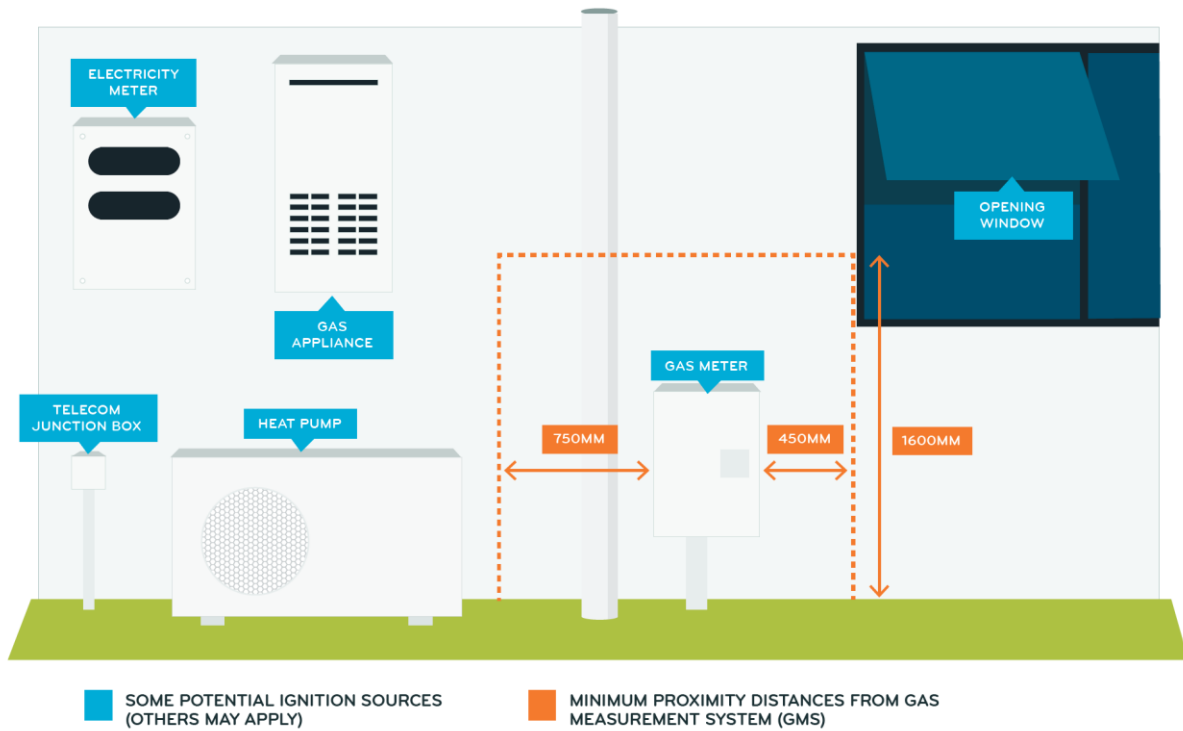
Please note that your underground gas connection should be unobstructed and easily accessible to us. Structures (except for concrete footpaths or driveways over the connection) must not block access to the gas connection. This includes decking, as we cannot safely reinstate it if we have to cut into it to access your gas connection.

Gas meter - approved non-residential locations

Meter locations for non-residential connections can vary based on a number of factors. When you apply for a quote, one of our technicians will discuss possible locations with you.

Gas meter - required clearances

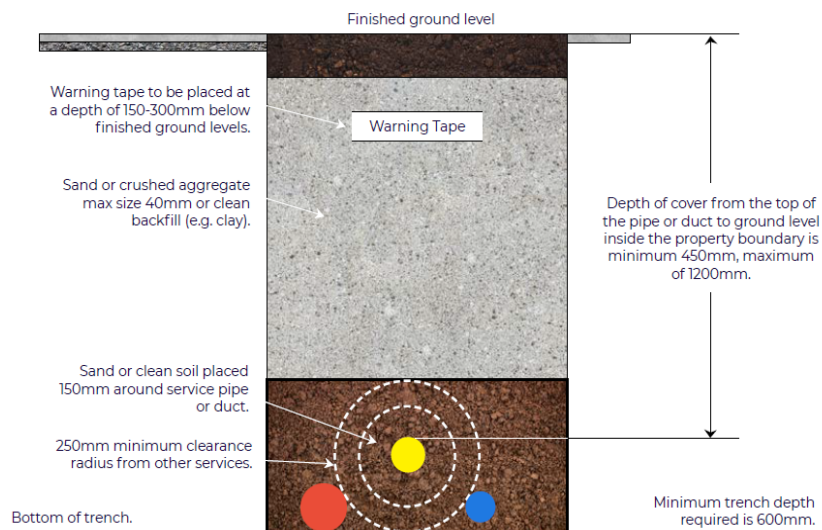
No electrical equipment or opening windows can be installed within the orange square.



Trench specifications inside private property

dig your own trench (DYOT)

open trench and ducting specifications for natural gas service pipes



specification

- Customers who choose an open trench option are responsible for providing the open trench and reinstatement from the property street boundary to the gas meter position. Vector's contractor is responsible for the trenching and reinstatement from the property street boundary to the gas main.
- The trench must be clean and unobstructed to allow for the gas service pipe to be laid in one continuous piece and meet the depth requirements shown above.
- If ducting is being provided, the duct can be either polyethylene (yellow PE80) gas pipe or grey PVC and must be a minimum of 32mm in diameter. If grey P.V.C is used it must have a 'danger gas main inside duct' warning label attached at regular intervals. Labels can be provided by Vector and must be installed by the customer/ developer during the installation of the duct.
- If the trench or ducting supplied is not to the required standard (shown above), the gas service pipe cannot be laid or inserted until it has been made compliant.
- Yellow warning tape can be supplied by Vector and must be laid by the customer between 150mm and 300mm below the finished surface level, directly above the gas service pipe.
- Utility plans must be obtained before excavation commences and any requirements must be adhered to. Please call 0508 248 344 or visit www.beforeudig.co.nz to obtain service plans. You must confirm the location of all existing services by marking out and carefully hand digging to expose the services prior to trenching with any excavators or machinery.
- Vector must receive the customer's signed acceptance and full payment before we will lay the gas service pipe in an open trench or insert a gas service pipe in ducting. At least 5 working days' notice is required to lay or insert the gas service. Please contact Vector on **0800 222 260** to request a start date.

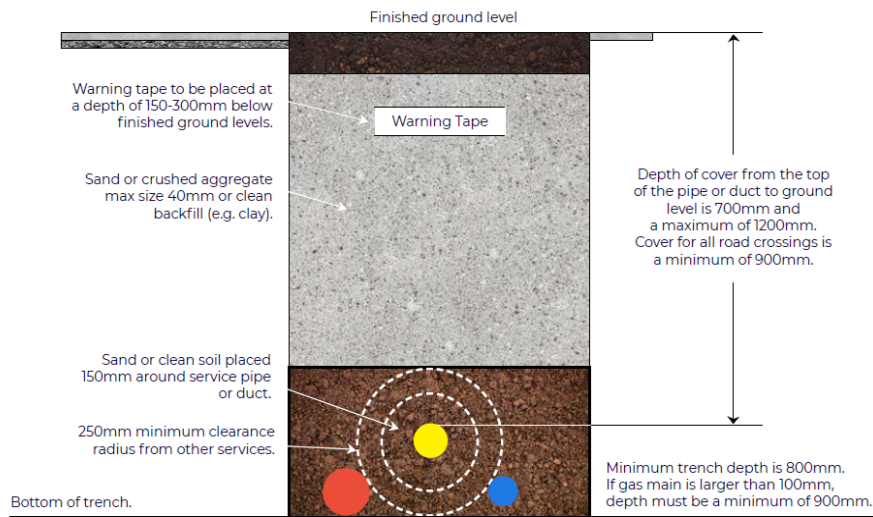
note

Please note that once a gas service pipe has been laid inside a private property boundary, the gas service pipe will still need to be connected to the gas main in the street. This can only happen once Vector has received all relevant plans and permits from local councils and other utility companies.

Trench specifications for right-of-way (rows), council berms and roads

dig your own trench (DYOT)

open trench and ducting specifications for natural gas mains



specification

1. Customers and developers are responsible for providing the open trench and reinstatement of the ROW, Council berm (grass verge & footpath) or road.
2. The trench must be clean and unobstructed to allow for the gas main to be laid in one continuous piece and meet the depth requirements above. The start and end point locations of the trench will be provided by Vector.
3. If ducting is being laid by the customer, it can be either yellow polyethylene (PE80) or grey PVC but the size must be approved by Vector especially for multi lot sites. If grey P.V.C is used it must have a 'danger gas main inside duct' warning label attached at regular intervals. Labels can be provided by Vector and must be installed by the customer/developer during the installation of the duct.
4. If the trench supplied is not to the required standard (shown above), the gas main cannot be laid or inserted until it has been made compliant.
5. Yellow warning tape can be supplied by Vector and must be laid by the customer between 150mm and 300mm below the finished surface level, directly above the gas main.
6. Service plans and council consents must be obtained before excavation commences and any requirements must be adhered to. Please call 0508 248 344 or visit www.beforeUdig.co.nz to obtain services plans. You must confirm the location of all existing services by marking out and carefully hand digging to expose all services prior to trenching with any excavators or machinery.
7. Vector must receive the customer's signed acceptance and full payment before any work can commence. At least 5 working days' notice is required to lay the gas main. Please contact Vector on **0800 222 260** to request a start date.