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.

Please follow the approved gas design we provide for you. This will be specific to your development and all design changes require approval including changes to pipe routes and meter box locations.

If you have any queries at all please contact our team on 029 2132 0350 or construction@tucltd.co.uk

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/Materials Call Off

You can call off work and/or materials with our team at:

calloffs@tucltd.co.uk

or

029 2132 0350

Lead Times

Our lead times will depend on the amount of work required in a particular visit and whether there are any external factors that may have an influence on planned dates, such as highways notices or if the work is of a specialist nature.

Service Pipes

We will provide the service pipe from the main to the meter position that will either be laid in open trenches by our operatives, or you can lay yourselves in open trenches or approved ducts.

Please note that should you choose the latter option this will be subject to regular audit where we will need to observe the installation to check that the relevant standards are being met. We will discuss this with you at your pre-start meeting.

Mains Pipes

We will arrange for the mains pipes to be delivered ready for our operatives to install, please ensure that you can provide a suitable storage area for all materials.

Please take care of delivered pipe as if any stored pipes have cuts or scratches to a depth greater than 10% of their wall thickness then they must be discarded and replaced at your cost.

Trench specifications can be found within this document along with information on separation of utilities within the trench.

Meter Boxes

We will provide one meter box per plot (unless internal meter positions are specified on the approved gas design), which are to be fitted by you prior to our operatives attending site for the service connection.

You will need to call these off and specify whether you require flush fitting/recessed (cavity type), surface mounted or multi-boxes.

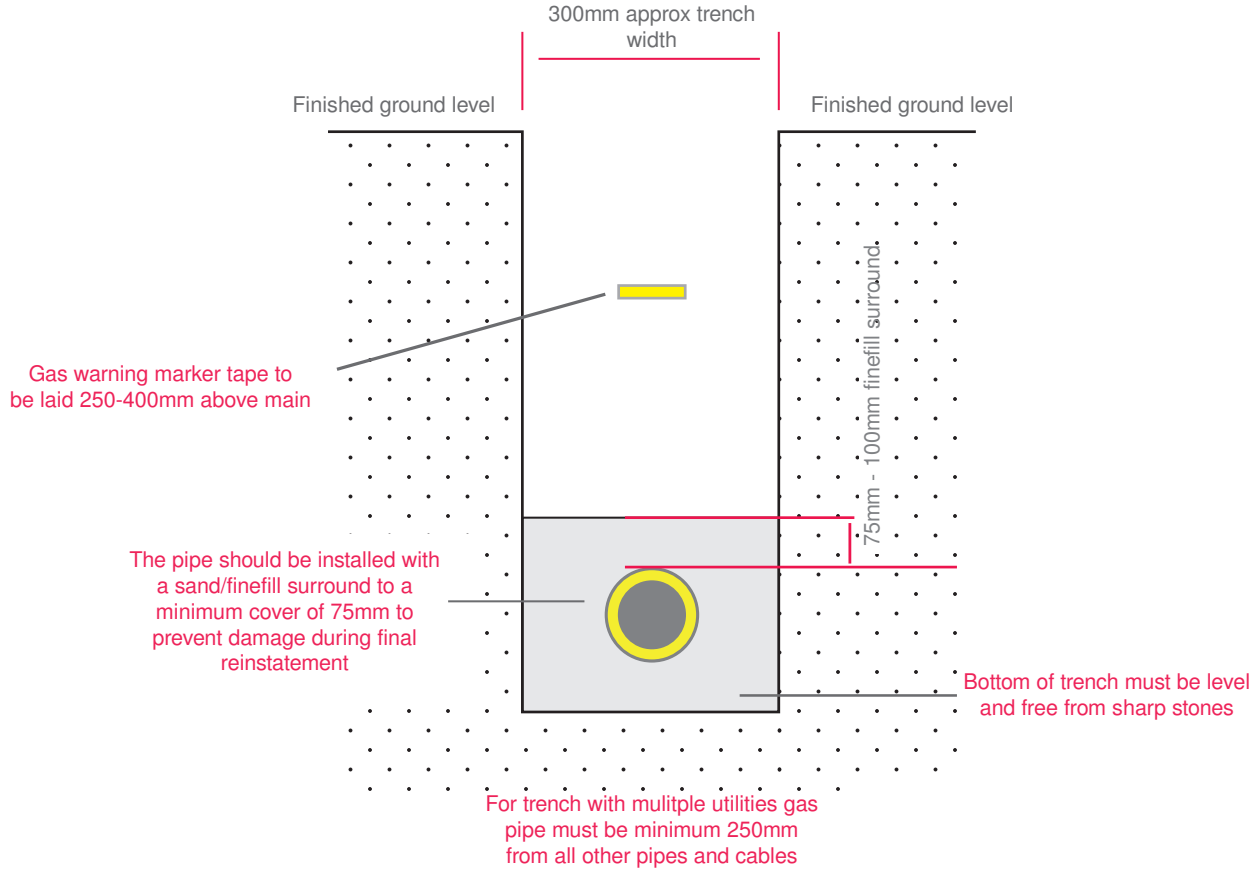
Please take care of the meter boxes we provide for you as the replacement of lost or damaged boxes, doors/lids and fixing kits will be chargeable.

Please follow the instructions on the boxes to ensure correct installation.

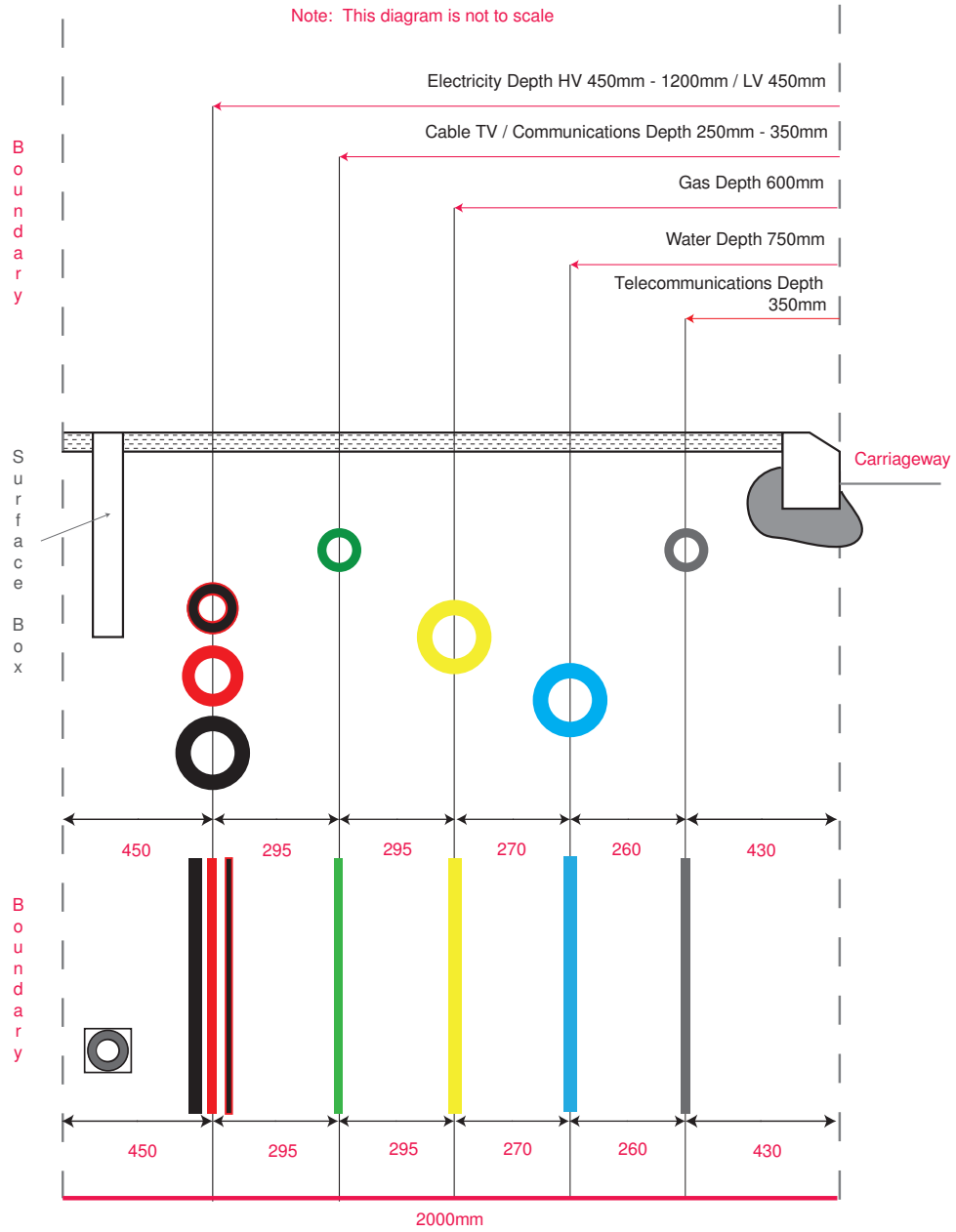
excavation for mains pipes

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 (depths shown are to finished ground level)	
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.

If you think there may be a problem with the positioning of our network on your development then please contact us and we will be happy to advise and help resolve any issues.

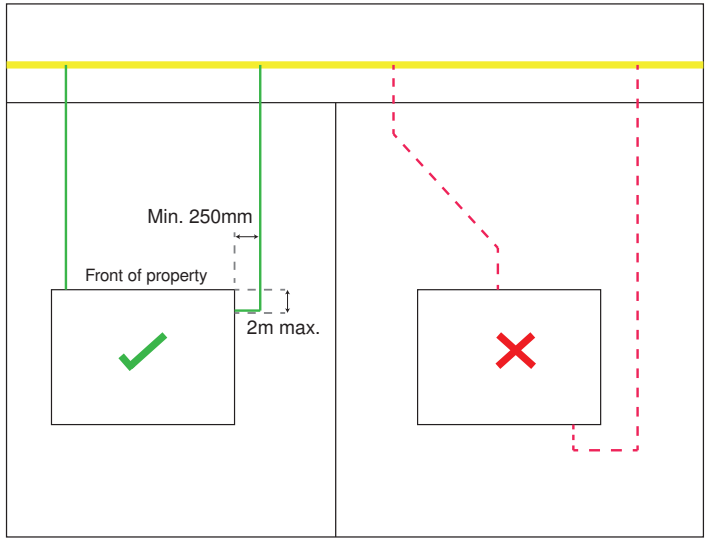
service positions

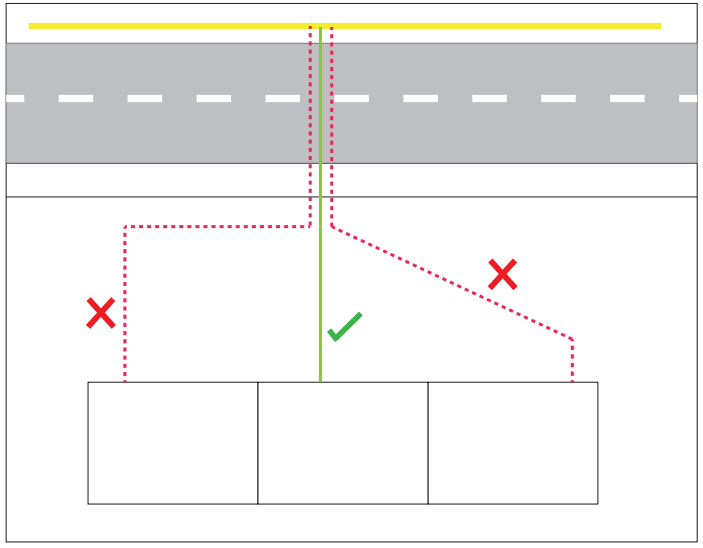
Service Positions

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.

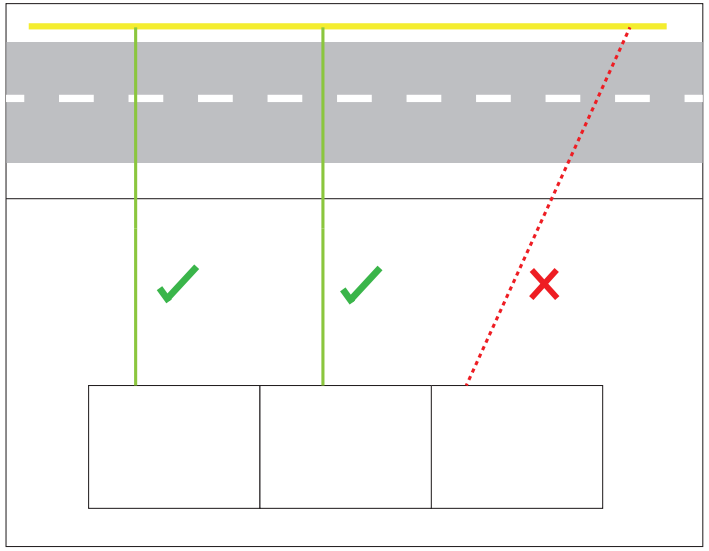
The position of the meter must be as per the approved design, generally on the front of the property, or where it is required on the side of the property where it must be no more than 2m from the front gable end.

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 duct. We will try and minimise this as much as possible during the design stage, if you feel you cannot achieve the requirements, please contact us.

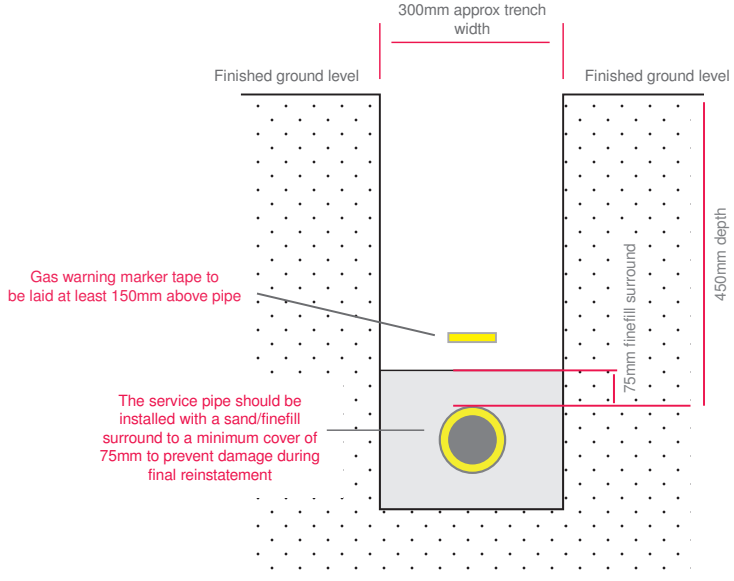


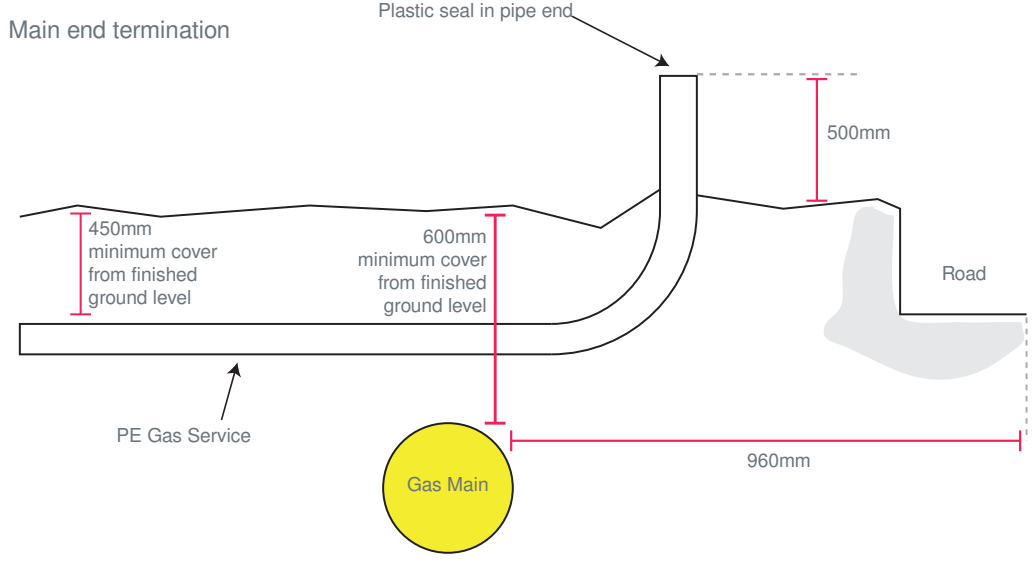


Examples of service routes where road crossings required



service pipe trenches





Your responsibilities:

Excavate service trenches/install pipe* or ducts as per routes shown on approved design

Ensure 75mm cover of finefill material around whole of pipe

Place marker tape above finefill

Provide and install yellow perforated ducts for road crossings

Excavate at meter positions and to underside of gas main prior to connection

Install meter boxes and doors/lids

Minimum depth of cover for service pipes:

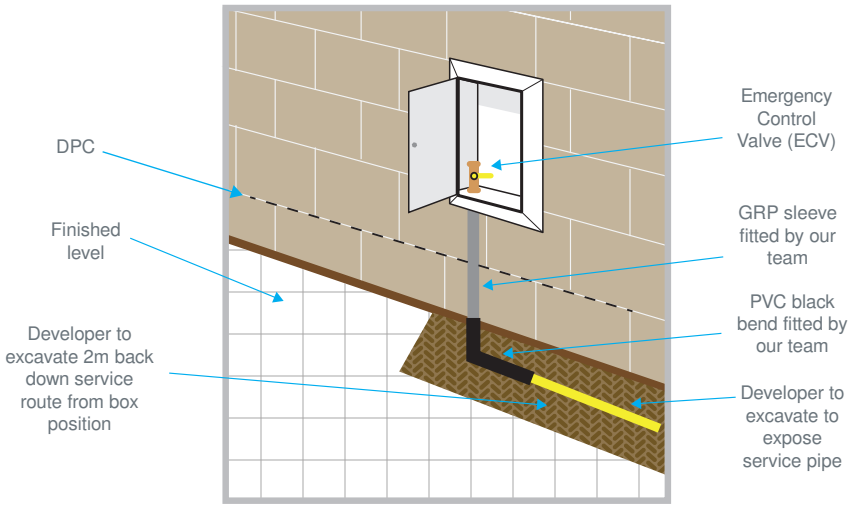
Private Ground = 375mm

Footpath/Highways = 450mm

*where permitted by TUC

meter box installation

Flush Fit/Recessed or Bolt On



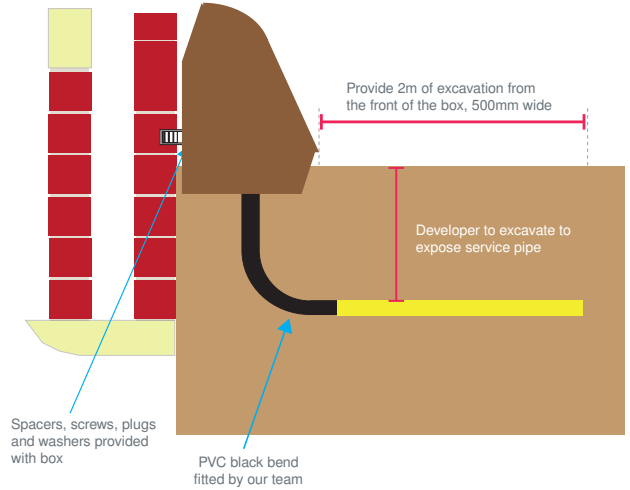
Install meter box as per manufacturer instructions

Securely fit spigot outlet to
prevent passage of gas into property

Recessed boxes must not to be screwed to the wall

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

Multi-Box



Install meter box as per manufacturer instructions

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

Fit meter box lid

Route outlet pipe through 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 pipe lengths from the storage point to the construction location.

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

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

Ducts

Yellow rigid plastic ducting must be used for perpendicular road crossings. Perforated yellow duct can be used for service pipes if this has been agreed 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. This will be discussed at your pre-start meeting.

Gas marker tape must be laid 250-400mm above all ducts intended for gas mains and 150mm for services.

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 on the content of this document, please contact our team on 029 2132 0350 or at construction@tucltd.co.uk

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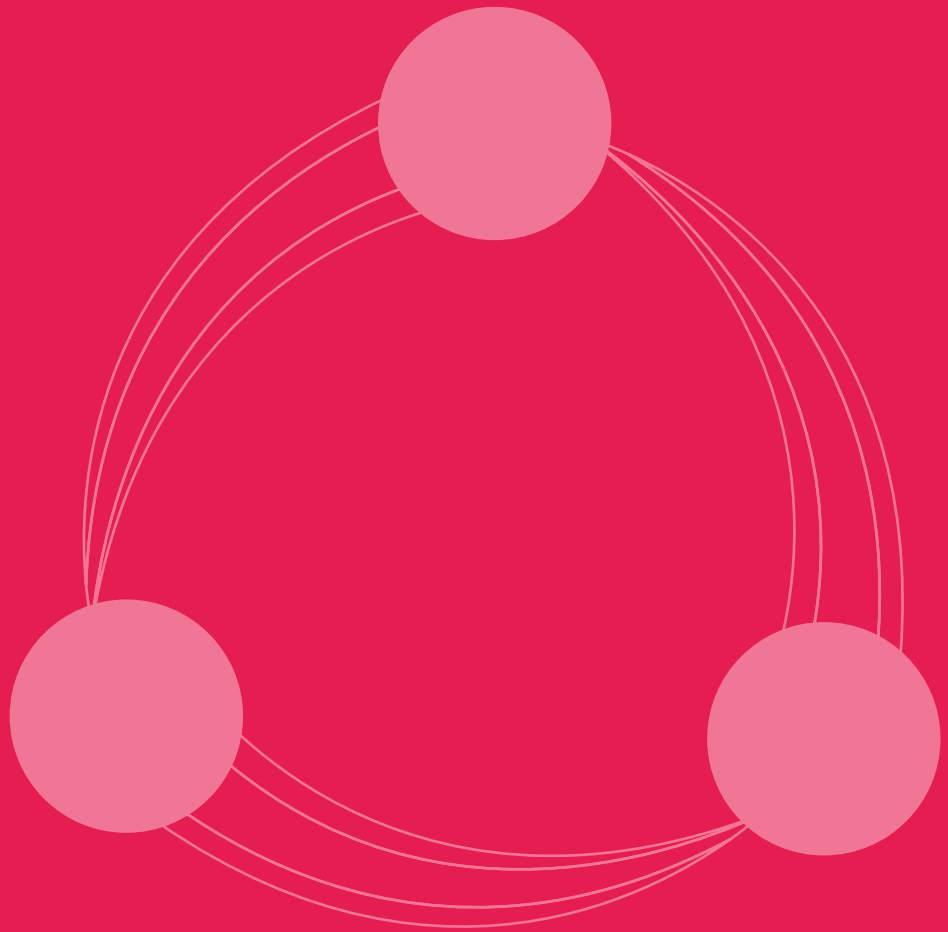

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