

# LAYING YOUR NEW WATER SUPPLY PIPES

Troughs and agricultural supplies



# WHY DO I NEED TO LAY MY SUPPLY PIPEWORK IN A CERTAIN WAY?

Under the [Water Supply \(Water Fittings\) Regulations 1999](#), all supply pipework must be installed to a specific standard. These regulations exist to ensure the water supply remains safe.

This guide explains how to install your supply pipework to meet the regulations. If a contractor is carrying out the work for you, you should share this guide with them so they can meet the correct standards.

Depending on the diameter and total length of the installed pipework, as well as the presence of any associated fittings, a hydraulic pressure test and/or a microbiological disinfection may be required. Verified test results, issued by a UKAS-accredited laboratory, must be provided to us prior to the connection being undertaken. It is the customer's responsibility to arrange the tests where required.

For further information and guidance, please visit;

**Water Regulations**  
**Essex & Suffolk Water**  
[eswater.co.uk/business/water-regulations/guidance-notes-and-faqs/](http://eswater.co.uk/business/water-regulations/guidance-notes-and-faqs/)

### WHO CAN LAY MY PIPEWORK?

You're responsible for appointing someone to lay your pipework. You have two options.

#### 1. Use an approved contractor

Approved contractors are trained in the Water Regulations and can certify that the work complies. If you use an approved contractor, we won't need to inspect the pipework but we do require a copy of their certificate.

Approved contractors can be found through [WaterSafe](#).

#### 2. Use your own contractor

If you choose a contractor who is not approved:

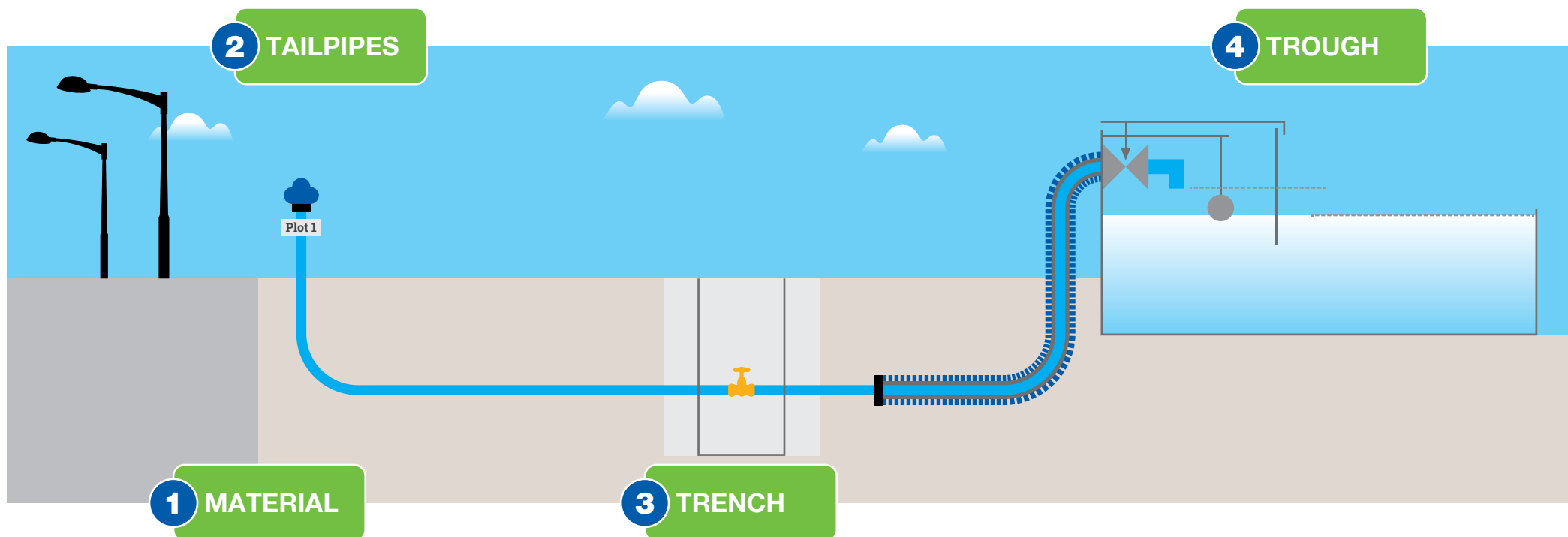
- We'll need to inspect the pipework from your project to the location detailed in your connection point plan
- If the work does not meet the required standards when we visit, additional inspections may be chargeable.

For further support and guidance please refer to the agricultural information guide found at [waterregsuk.co.uk](http://waterregsuk.co.uk).



# LAYING YOUR PIPEWORK

We've divided the process of laying your pipework into four sections: material, tailpipes, the trench and the trough.



## MATERIAL

### ENSURE THE PIPEWORK IS THE CORRECT MATERIAL FOR YOUR PROJECT

- The required material type is detailed in your Water Connection Information Pack
- The most commonly used material is medium-density polyethylene (MDPE), which must comply with BS12201
- Barrier pipe must be used if ground contamination is identified, suspected or likely to be introduced by on site activities such as areas with chemical residues, or if oil or fuel are being stored. Barrier pipe must comply with BS8588
- All approved barrier pipe fittings must be installed as per the manufacturers guidance. If protective wrapping is applicable, evidence must be provided of this at the time of our inspection.



MDPE pipe



Barrier pipe

### CHECK THAT THE PIPEWORK IS SUFFICIENTLY SIZED

- This will ensure there is adequate flow and pressure.



## TAILPIPES

### USE A COMPRESSION CAP OR MECHANICAL STOP END

- This securely seals the pipework and prevents any contamination from fluids and vermin.

### LEAVE A MINIMUM OF 2M OF EXPOSED PIPE

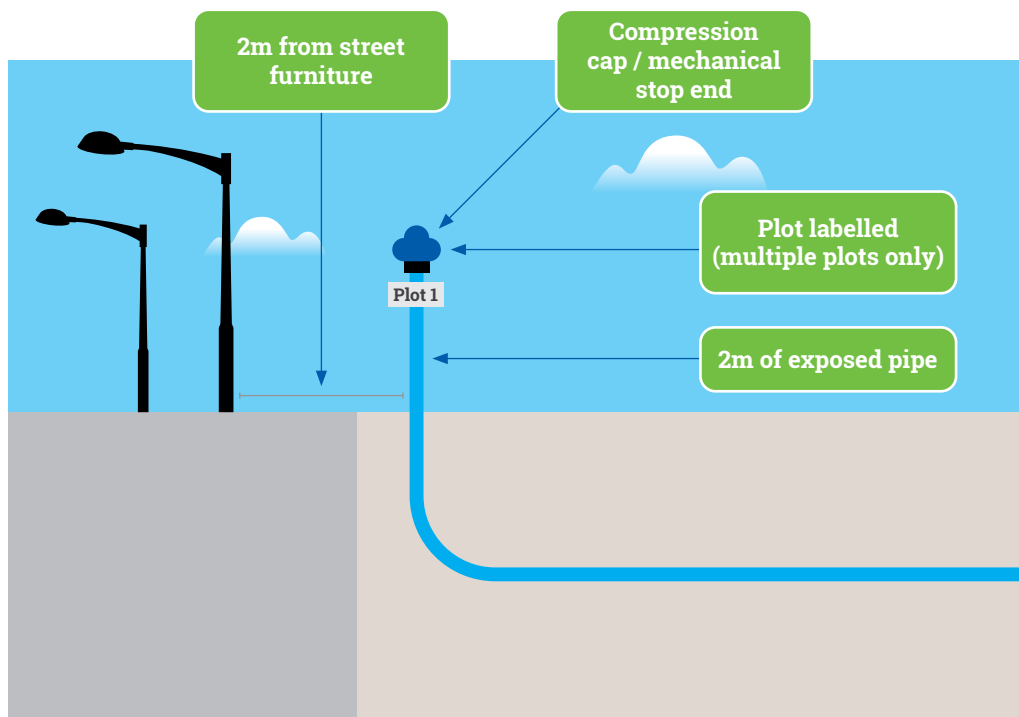
- This should come up from ground level at the location specified on your connection point plan.

### ENSURE PIPEWORK IS AT LEAST 2M CLEAR OF STREET FURNITURE

- Maintain a 2m clearance from items such as lamp posts, telegraph poles and similar structures. If this isn't possible, please get in touch and we can advise.

### LABEL YOUR PIPEWORK

- If you're installing multiple new supply pipework, clearly label each one to indicate the property or plot it serves.



Mechanical stop end

## TRENCH

### LAY YOUR PIPEWORK TO THE CORRECT DEPTH

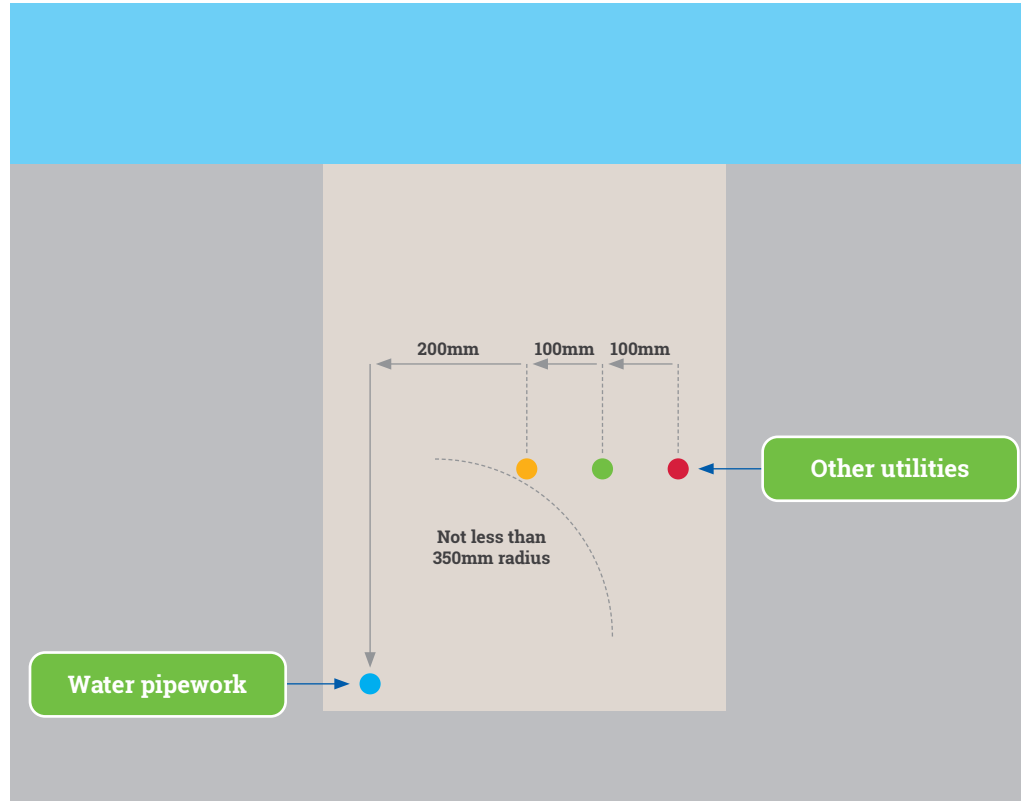
- The pipework must be installed at a minimum depth of 750mm and a maximum depth of 1350mm below finished ground level
- At the point where the pipework exits the ground, the trench depth must allow for a minimum of 750mm cover from the top of the pipework to the finished ground level
- Other utilities must be positioned at least between 270mm and 350mm away from the supply pipe if they're laid within the same trench.

### BED DOWN THE PIPEWORK

- Use sand, soft earth, 10mm washed pea gravel or a similar suitable material to bed the pipework
- Do not use sharp rubble.

### EXPOSE THE PIPEWORK

- We need to be able to see the pipework exposed along the full length of the trench. If you're unable to leave the trench open, please get in touch and we can advise.



Other utilities positioned away from the supply pipe



Pipe laid to at least minimum depth

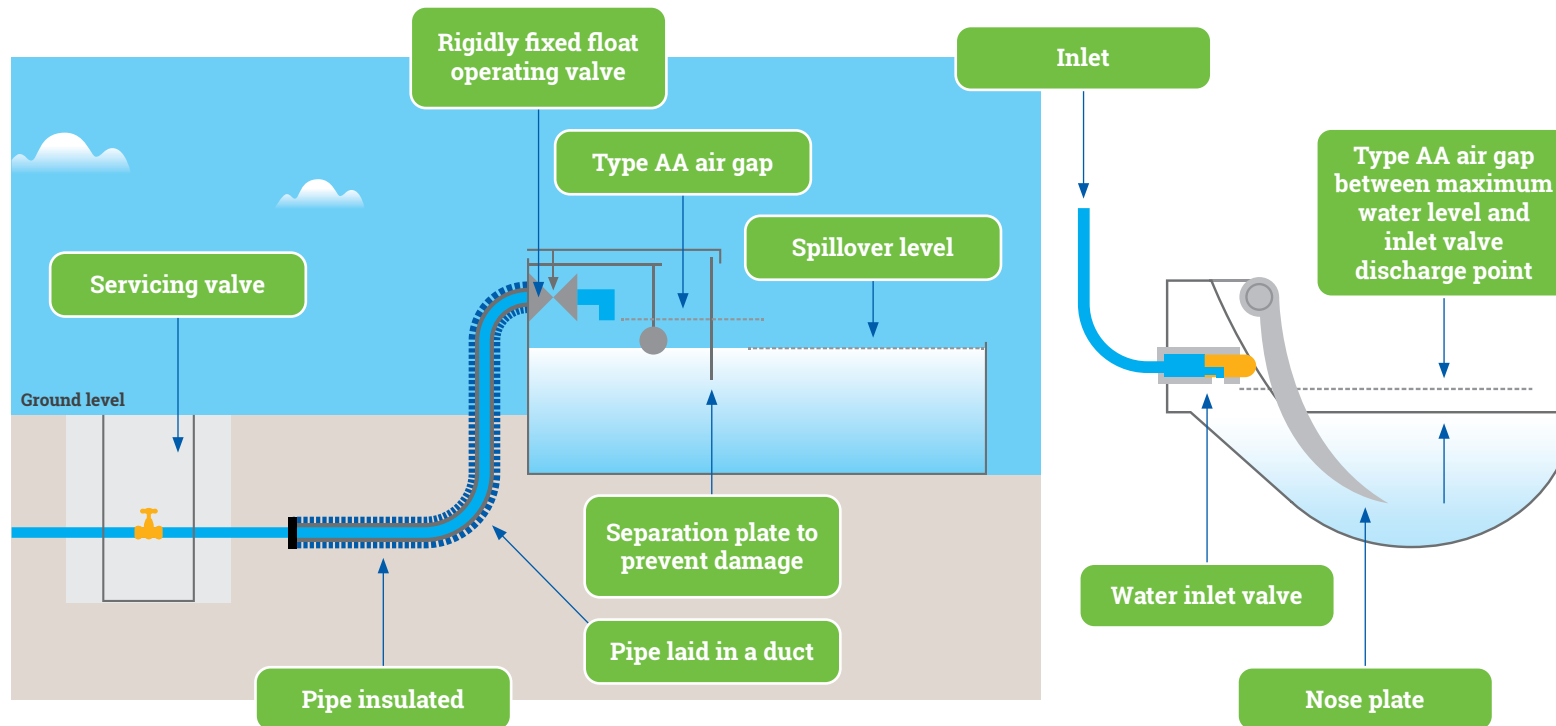


Pipe bedded down with sand

# TROUGH

## INSTALL YOUR TROUGH TO THE CORRECT REQUIREMENTS

- Install the trough on a levelled hard-standing or concrete base
- Fit the trough with a rigidly fixed float operating valve
- Maintain a Type AA air gap between the inlet point and overflow: 20 mm or twice the inlet pipe diameter, whichever is greater
- Install a separation plate to prevent damage by cattle
- Duct and insulate your pipework from a minimum of 750mm below finished ground level up to the inlet of the trough. This is to help protect the pipe from extreme weather conditions and potential damage
- Add an servicing valve within a chamber so that the supply can be shut off if required.



Ducting and insulation



Scan the QR code  
to find out more.

If you're ever unsure about any of the requirements in this document, please contact us and we'll be happy to discuss them with you.