

Anglian Water update



Important information about a new pipeline to improve your water supply

March 2021

A new water pipeline in your area

We are building a network of new water pipelines to make sure our region is resilient to the risks of drought and to secure water supplies for future generations.

We shared the route of a new 25km pipeline, and plans for a new pumping station, last year and now want to provide a further update as pre-construction work is due to begin soon.

The pipeline will increase reliability for communities in the area and reduce the number of homes and businesses which currently rely on a single pipeline for all their water needs.

The preferred pipeline route

This 25km section of pipeline will start south of Lincoln, near Waddington, and will end near Ancaster, north of Grantham.

It will eventually join up with other planned pipelines to the north and south to form our Lincoln to Grantham pipeline, which will link with several others to form a network from north Lincolnshire to Essex.

Our teams are still developing plans for the sections north of Waddington and south of Ancaster.

We have worked closely with landowners and listened to customers and stakeholders to confirm our route, and will continue to do so.





What's new?

We held an online virtual customer engagement event in July 2020 to update communities along the route.

It contained all the information you would have expected to see at a physical event in a village hall or community centre.

Following the event, we submitted our updated plans (the initial plans were submitted in 2018) to North Kesteven District Council and South Kesteven District Council. They have now given us permission to start our work under 'permitted development'.

This means we can install the pipeline under statutory powers that we have as a water company. We will obtain planning permission for the construction of the pumping station, as it falls outside these powers.

What happens next?

We have started preparing areas along the route of the pipeline so that the main work of laying water pipes can begin.

This is known as 'enabling' or 'pre-construction' work and includes setting up compounds where staff and equipment will be based and creating access for our teams to work. The work will include the removal of some hedgerows and soil.

We will also be putting up fencing and signage and making sure we protect electricity cables and gas pipes. These activities will take place along the whole of the route.

The main pipelaying is expected to start this summer.

Working north to south

We will start our work at the northern end of the route - close to Harmston - and work southwards.

That means we will start laying the pipelines at the northern part of the route before we have started our enabling work in the south.

The final section of the route north of Harmston, which includes a pumping station, is expected to be completed last.

Lincoln to Grantham pipeline



Phase of work	Types of activity	Approximate timetable
Environmental investigations	Archaeological surveys and ecological monitoring	Ongoing and continuous for the duration of work
Enabling / pre-construction work	Creation of access, compounds, fencing and signage	Ongoing to 2022
Construction	Laying pipes, construction of temporary storage lagoons	2021 to 2022
Commissioning (testing of the pipeline prior to becoming operational)	Cleaning the pipeline, pressure testing the pipeline	2021 to 2023
Reinstatement after installation	Land will be reinstated to its original state where we can and additional improvements in some areas	2024 but ongoing where possible

Impact on communities

We will work hard to keep the impact on you, the communities along the route, and the environment, to a minimum.

Visit our dedicated webpage to keep up to date with our work at: anglianwater.co.uk/spa

For more information about our commitment to working with communities, please see our Statement of Community Involvement, which sets out our approach to engaging with people and organisations. It is available on our webpages.

Roadworks

To allow our teams to complete the work safely, temporary traffic management systems will be used in some areas.

This will include the use of temporary two-way traffic lights and temporary lane closures and a small number of temporary road closures.

Further details about this work will be made available on Anglian Water's In Your Area pages: inyourarea.digdat.co.uk/anglianwater

Compounds

Compounds will be located at regular intervals along the 25km route.

Our compounds will include offices and toilets, storage for materials, fuel, construction materials, waste containers, plant/equipment and car parking as required.

There will be some smaller areas, known as laydown areas, which will be used to store sections of pipe and other construction materials.

All compounds will have secure perimeter fences and working sites will have some security or safety lighting which will be used as required.

The map on the left shows the locations of our compounds.

Removal of some vegetation

Sections of hedgerows, including some trees, will be removed to allow access.

All the hedgerows we remove will be replaced, except in some small areas where our teams will need continued access to the new pipeline.

Some fields and parts of fields will be stripped and stored on site. We will try not to disrupt the soil profile or any drainage and will ensure topsoil is kept separate.

We will develop a Construction Environmental Management Plan for each location to ensure to assess and manage the potential and actual impacts on the environment, farming, people and communities. These plans will take account of sensitivity of the location, the scale of work and how long we will be on site.



Construction

As you can imagine, there is a lot of work involved in installing a new 25km pipeline. We will work with local authorities, parish councils, landowners and all contractors to deliver the scheme with minimal disruption until the pipeline is operational.

The installation of the pipeline will follow good industry practice using tried and tested techniques. The most commonly used method to lay a pipe is the use of open cut trenches.

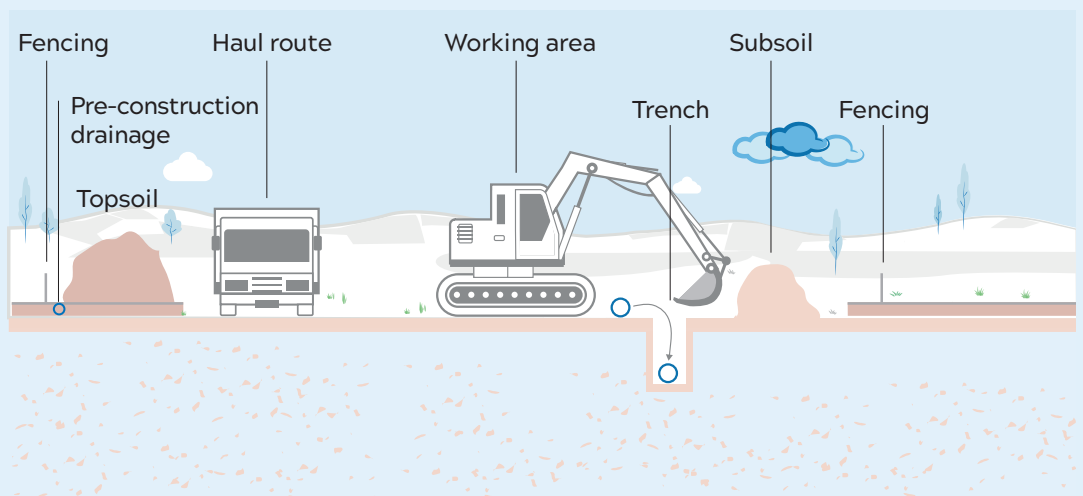
Where we need to minimise disruption to the ground, such as main roads and railways, we will use trenchless techniques.

Our working area will be around 40-metres wide but narrower when crossing hedgerows.



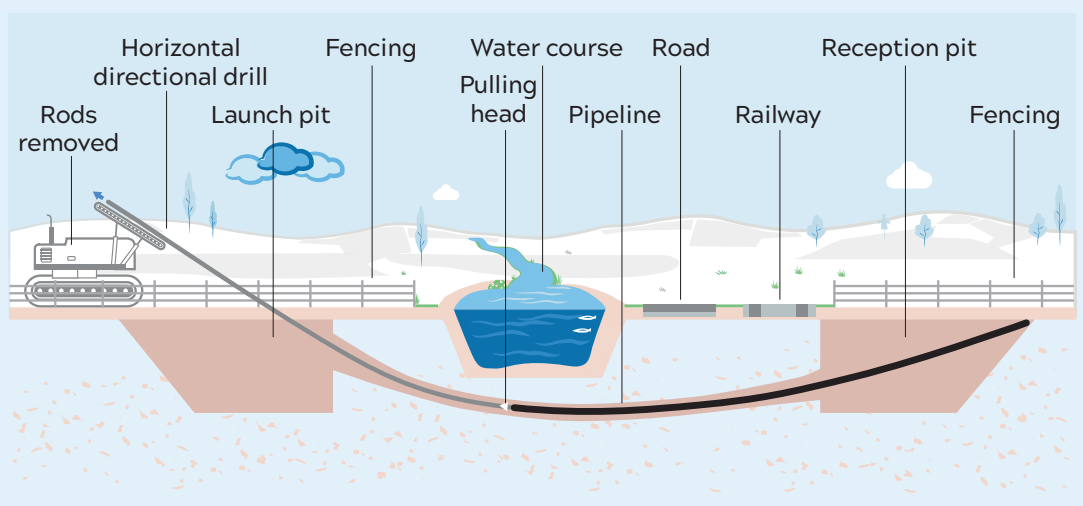
Open cut trenches

Open cut trenching will be used for most of the pipeline route that goes through open ground, such as farmland. The trench will be excavated using a digger and the pipe and any supporting equipment or material is laid and then covered over with the material that was dug out.



Trenchless

Trenchless techniques will be used to lay the pipe underneath main rivers and roads. This involves directionally drilling or auger boring, when a machine will drill or bore a hole through the ground from one side of the obstruction to the other. The pipe is then pushed through the hole.





Improving water supplies across the region

We will be building up to 500km of new, interconnecting pipelines, in one of the biggest infrastructure programmes for a generation.

The new pipelines will help us move water more freely around the region, so that we are able to divert it from areas of water surplus in north Lincolnshire to the south and east of the region, where it isn't as readily available.

We are building the pipeline in separate phases so will be able to strengthen local resilience and reduce the number of homes and businesses which rely on a single water source.

Our challenges

We are facing four interlinked challenges to water supplies in East Anglia. These are climate change, environmental protection, population growth and the risk of drought. We want to act now to ensure the long-term availability of water for all customers in the future.

Climate change

The East of England has below average rainfall for the UK. The area is classified as under severe water stress and climate change projections suggest there will be lower summer rainfall and hotter temperatures.



Environmental protection

We will be taking less water from the environment, such as rivers and boreholes. We aim to reduce the amount we take by 84 million litres a day.

Population growth

Our region is experiencing high levels of population growth with a predicted increase of 20 per cent over the next 25 years. This will create an additional demand and pressure on our water resources.

Drought

Since the 2011-2012 drought we have been investing in our network to reduce the risk of water shortages.

What do you think?



You can visit our dedicated webpage, www.anglianwater.co.uk/spa, call us on 03457 145145, or email us at StrategicPipelines@anglianwater.co.uk

Alternatively you can write to us at Strategic Pipeline Alliance, 3rd Floor, World Wide House, Thorpe Wood, Peterborough, Cambridge, PE3 6SB.