



irrigation and water

Up to **20,000 litres**
of **free water** a day
from your own private supply.

Boreholes. A low cost water supply.



Water: an increasingly valuable resource. We are all aware of rising charges for water supply and delivery. Water companies have the ongoing challenge of supplying high quality, clean, treated water to a growing population... on a planet with a finite resource. These challenges require higher and higher investment, leading to continually increased consumer charges. It's a situation which looks set to continue.

Increased water supply costs mean that more and more people are seeking alternative sources of water - by having their own private water supply. A private water supply is nothing new, remote communities around the globe have done this for centuries. The Romans pioneered abstraction of water from wells and boreholes with sophisticated systems which provided drinking water.

If you are a private user, a smallholder or a commercial producer, sinking a borehole and having your own private water supply can help you to make substantial cost savings.

In East Anglia and the Midlands, more than 50% of the water used is obtained from underground aquifers. These water-bearing stratas of chalk, limestone, sandstone, crags, sands and gravels are found at different levels over most of the eastern region. Drilling a borehole to penetrate these formations can produce a reliable, clean and continuous water yield for domestic and commercial customers alike.

If you are considering investing in a borehole, it's vital that it is properly constructed and designed. This is where Irrigation and Water come in, using our knowledge to guide you completely through the process.

Once you've enquired about the feasibility of a borehole, we consult an array of hydro-geological data, to assess the project's viability. We consult well and borehole records in your area, some dating back to the 1800's. This way, we obtain all the local knowledge we can.

Armed with this information, we determine the type of borehole you need and the approximate depths we need to drill to obtain your required yield. It may be a shallow screened well into sands and gravels, or a deeper bore into the underlying chalk. Either way, we do our utmost to give you the most cost-effective solution. Once a plan is formulated and agreed, our drilling team visits site with the drilling equipment. Many types of rigs are available to fit in the most confined of spaces. There is even a unit that will fit through a garden gate.

Once your well is constructed, it is tested for yield and water quality, where necessary, and the pumping equipment is installed tested and commissioned to your requirements.

Pictures, clockwise from top middle:

Typical East Anglian geological strata, showing the water-bearing chalk.

Example of borehole construction.

Larger drilling rig: for deeper holes and improved access.

Each borehole pump is carefully selected for the correct application.

A drilling rig in operation on a smallholding

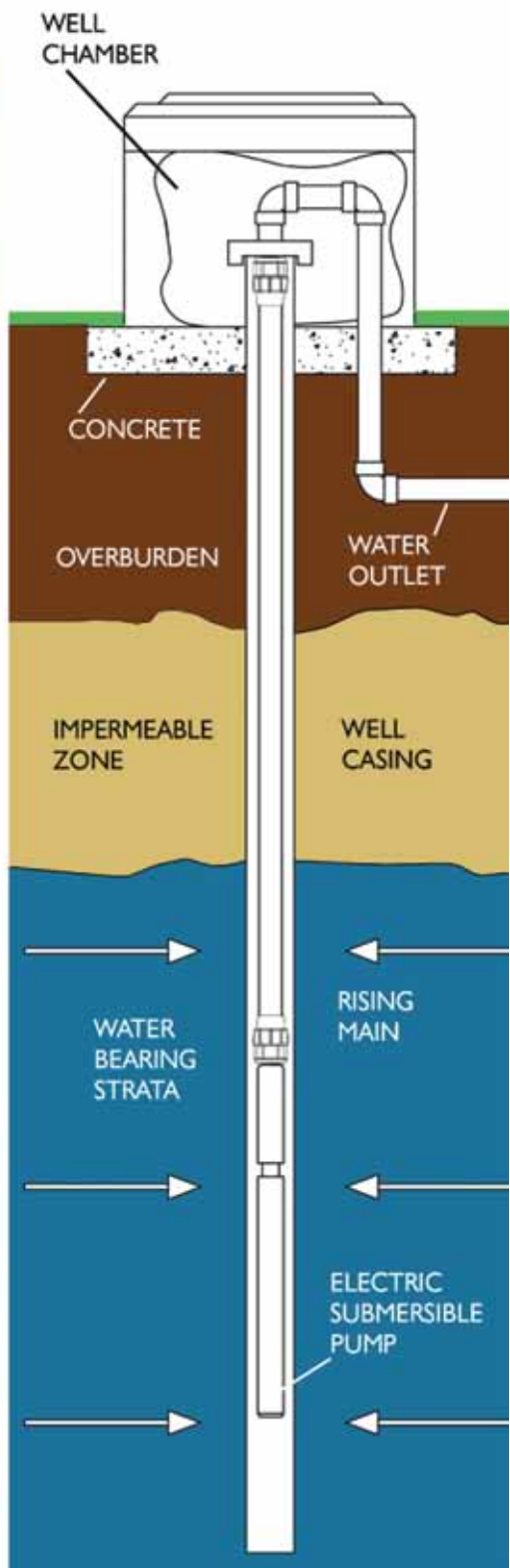
Our drilling works can operate in confined spaces.





Did you know?

- You can have up to 20 cubic meters of water (4,400 gallons) a day from your own private supply without a licence. The water is yours and free!
- The water is natural and untreated, with no added chemicals, (although we may have to remove iron or some naturally occurring residue).
- Once the system is installed, all you pay for is the electricity cost of running the pump.
- Systems can be designed to provide the whole house and garden with a constant pressurised supply. With no need for power showers or extra pumps.
- Commercial growers can be confident the water is clean and untreated. Beneficial natural minerals in underground strata can promote healthy plant growth.
- Livestock producers can make large savings on annual water costs. It may be possible to site the borehole in a convenient location to livestock - avoiding lengthy pipe runs from the mains supply.
- Beat the hosepipe ban with your own borehole!





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Would you like to know more?

Call us on **0845 543 8410** for an informal chat about your water supply needs. We will take you through the process of creating a borehole, provide you with outline costs, and draw up a formal quotation for your consideration.

Irrigation and Water is a new company...with years of valuable experience.

Managing Director Ashley Proctor has over a decade's experience working for water engineering companies in the area. A key member of Ashley's team is Derek Waller, an expert in the field of boreholes and pumping. Derek has a wealth of knowledge, and has worked with the eastern counties' leading water engineering businesses.

Our installation and service team have fully fitted workshop vehicles, and engineers respond quickly to all your installation and maintenance needs. Our offices, stores and workshop in Wymondham, Norfolk are well positioned to serve customers across the eastern counties.

We are happy to report that Irrigation and Water are building a reputation for quality service and support to our growing customer base. It's something we are committed to uphold.



Top: Borehole pumps are selected for the correct application.

Bottom: Water treatment equipment for a domestic property.