

H2OK

Domestic Sewage Treatment

Riverside, Dunmere, Bodmin

Project: Domestic Sewage Treatment Plant Design and Installation

Client: Resident, Dunmere, Bodmin

Date: 2007

H2OK's installations division were appointed to undertake a detailed site survey for a client who required expert help in finding an appropriate solution for foul drainage provision at a property in Bodmin.

H2OK were able to provide the complete 'turnkey' package. This consisted of:

- Site assessment
- Appropriate sewage treatment plant supply
- Civils works and installation
- Mechanical and electrical installation to include commissioning of the system.
- Maintenance contract agreement

A detailed site survey was undertaken to investigate the site's topography and to establish the various options for foul drainage provision.

There were however some complicating factors on site. These included the fact that the property is positioned on a very steep slope, making the design and installation of the necessary sewage treatment plant and soakaway a challenging venture.



Other factors included the SSSI status of the River Camel running along the side of the garden, close to the intended location of the treatment plant, of which the EA would naturally discourage in order to protect the watercourse.

Percolation tests were undertaken to ascertain the soil porosity and composition in order to calculate the necessary soakaway specification.

Prior to any excavation, H2OK carried out the required building applications, utility services checks and level surveys. It transpired that it was necessary to cross a public road, cross both water and power supplies and also to raise the level of the site in order to accommodate the treatment plant and soakaway.



All of the necessary measures were put in place in order to minimise any disruption for the local residents and utility services. H2OK were able to liaise with all the relevant authorities, advise on the latest sewage treatment system technology available, and undertake the installation work within the timescales necessary.

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