

## Alpine Lodge, Constantine, Cornwall

**Project:** Design and construction of  
infrastructure for a lodge development

**Client:** Private Individual

**Date:** 2007

H2OK were appointed by a private individual to take on the works to transform a caravan site (see picture below) in to a luxury lodge development within a prestigious location in North Cornwall.



A total of 11 new lodges required a new infrastructure design and layout which was undertaken by H2OK's Consultancy and Installations divisions. This included the design, supply and civils works for the foundations, roads, drainage services and hard landscaping.

The project included the installation and commissioning of an appropriate sewage treatment plant and pump station to facilitate foul water drainage on site. A soakaway was designed and installed as the discharge point for the treated effluent, in line with the Environment Agency consent.

Prior to the design element of works, H2OK carried out a full site investigation including a detailed land survey, percolation tests, utilities searches and liaison with the planning authorities.

H2OK's engineers not only commissioned the plant but have also provided a maintenance contract which has provided the client with a complete, turnkey package of services.



The surface water drainage on site includes a modern, block-structured storm water attenuation system which contributes to the sustainability of the site by way of flood alleviation both on site and downstream from site. This is becoming an increasingly important requirement from planning authorities for any new development as part of a Sustainable Urban Drainage Scheme.

All of the necessary measures were put in place to minimise disruption to the local residents throughout the project and our works were successfully completed within the narrow timeframe available.



**Contact: Tim Cunliffe, Installations  
Director**