

Honicombe Manor Holiday Park, Callington

**Project: Commercial Sewage
Treatment Provision**

Client: Private Company

Date: 2003

This project involved the updating of a failing sewage treatment plant system, to a connection to the mains sewer via a pumping station.

H2OK were employed by to provide a design and construct proposal that would satisfy both the Environment Agency and the future needs of the site. H2OK, after careful consideration of the needs of the site recommended that the mains sewer was joined. The sewer was 860m away, and due to the topography, a pumping station was required.



The rising main was laid up the boundary of the holiday park, through a private residential area and then along a road. Within the pumping station, progressive cavity pumps were used, these pumps are designed to move fluid with suspended solids at both low and high velocities.

However they are not able to pump rags or solids of any great size, so macerators were needed to reduce the size of everything.



The old system was semi reused, with one old activate sludge tank becoming a flow through storage tank before moving to the newly installed conical pumping station. There is an overflow to a second conical tank and old activated sludge tank that act as emergency storage that could contain about 48hrs worth.

The plant was commissioned in December 2003 and has been performing very satisfactorily since.

H2OK hold the maintenance contract providing the annual service and supervision of desludging. H2OK also provide an emergency engineering service, should there be any problems with the station.

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