



**Environmental
Management
Services**

CCTV Drain Survey & Drain Repair Case Study

Summary

We were asked to survey our client's drainage after the client discovered pH spikes in the site drainage system. The problem became apparent following the installation of a pH activated drain closure device.

On inspecting the drains we discovered numerous fail points which were allowing chemicals to enter the drainage system and triggering the closure device.

In order to prevent any further contamination entering the drainage system we conducted an entire relining on the drain run using a specialist, chemical resistant liner.



CCTV Survey

Our client contacted us shortly after the installation of a drain closure device activated by pH sensors. The drain closure device was regularly activating despite any identifiable incidents on site. We conducted pH tests at various points on site to narrow down the location at which the chemicals were entering the drainage.

Once we had narrowed down the location of the chemical ingress we conducted a CCTV drain survey on the suspected damaged drain line to identify damaged pipework. The CCTV survey identified several potential sources of contaminant ingress through damaged pipework.



Drain Repair

In order to prevent any further contamination entering the drainage system we conducted an entire relining on the drain run. The re-line material had to be specified to be resistant to the chemical products which were leaching into the drain line.

The chosen material was a chemically resistant resin based product, which was blown into the drain line for the full length, and then filled with water. The water was then boiled for several hours to produce the chemical reaction which would seal the liner in place. Holes were then cut into the liner to reopen inlets to the pipe which had become cut off by the liner.

