

Cheltenham Repair Report

7th May 2015

We attended the site in Cheltenham to excavate, expose and repair the leakage point previously marked up in our leak detection visit.

We began by reading the meter on arrival to site which was sat at 452m³. Since our initial visit to site on 26th February 2015, when the reading was 288m³, the site has used 164m³ of water in a period of 63 days. This equates to an **average daily usage of 2.6m³**, a **daily cost of £6.42** and an **annual cost to the Cheltenham site of £2,344.03**.

Looking at previous invoices, the Cheltenham site usually has an **average daily usage of approximately 0.3m³** which equates to a **daily cost of £0.74** and an **annual cost of £270.47**.

Therefore, there is **unaccounted water usage on site equating to approximately 2.3³ (2,300 litres) per day** which generates an **unaccounted daily cost of £5.68** and an **unaccounted annual cost of £2,073.57**.



Picture 1 – Water Meter Location

Picture 2 – Excavation Point

After reading the water meter, we began by excavating in tarmac on the pavement, over the point sprayed up in blue paint from our previous visit. We dug down and exposed a leak on the 20mm black polyethylene pipe which was spraying out from a hole in the pipework.



Picture 3 – The leak on the 20mm supply pipe

We temporarily isolated the supply whilst we cut out the leaking section of pipework. We placed the leaking section of supply with a brand new piece of blue MDPE pipework. This was connected back up to match the existing pipework and the water supply reinstated.

We backfilled the excavation and reinstated in tarmac to match the existing surface.



Picture 4 – The excavation in tarmac

Picture 5 – The repaired section of pipework

Picture 6 – The reinstatement

Recommendations

H²O will now negotiate a leakage refund with Severn Trent Water on a no win no fee basis.

Annual Saving: £2,073.57