

Chyandour Culvert Remedials

Chyandour Culvert remedial works were completed by MDA for Maygurney/Kier in 2012. The small culvert in Penzance, Cornwall was suffering heavily from a lack of maintenance and was in need of repair before the culvert collapsed completely stopping the flow of water through it. Below are a small selection of photos showing our works on the scheme.

This photo shows the current condition of the culvert, its original internal dimensions are 600mm wide by 900mm deep. Due to deposits at the invert the usable depth of the culvert was only 600mm which was being exceeded during heavy rainfall. MDA removed the deposits by hand to restore the full cross sectional area and then carried out repairs throughout the culvert.



The photo on the left shows a close up of the repair works that MDA carried out. Over the years, much of the masonry walling had fallen out of the culvert, blocking the channel and causing the build up of debris. These stones were replaced in their original position within the wall and re-pointed. MDA replaced all loose stones and re-pointed the entire culvert.

The photos below on the left shows the repaired culvert having a new reinforced concrete floor installed. This not only strengthens the existing culvert but allows the free flow of water downstream through the culvert without obstacles. The photo at the bottom right shows the completed works restoring the existing culvert to its original use.

