

### Environment Agency Culvert Remediation

The following document shows several different culvert remediation schemes that MDA have completed for the environment agency over the past 5 years. Each scheme involves differing techniques and each has its own difficulties. Most of these schemes are logistically difficult to access and are in close proximity to neighbours and/or local businesses. MDA specialise in carrying out these types of projects and we thrive on delivering the Client's specification no matter how difficult the task is!!

Recent cctv survey inspection of this 30m long culvert showed that it was deteriorating and was in need of repair. MDA removed obstacles by hand and re-pointed and replaced damaged bricks within the culvert.



An arched culvert underneath a road bridge was collapsing and needed to be supported. MDA operatives installed a designed steel frame at 500mm centres then drove timber headboards to protect themselves and to support the arch prior to lining the culvert.

### Survey of existing outlet slab, followed by Demolition and Installation of a new RC Outlet Structure



The existing concrete outlet slab spanning between two properties was failing and could not be trafficked. MDA demolished the existing slab and replaced it with a new block and beam structure with an overlying RC slab. The EA commended us on the works and were very pleased with the final product.

