

CULVERT REFURBISHMENT AT SHAW BROOK

Client:

**Salford MBC/
Urban Vision**

Summary:

Refurbishment of culvert whilst ensuring traffic flow on busy road remained unaffected



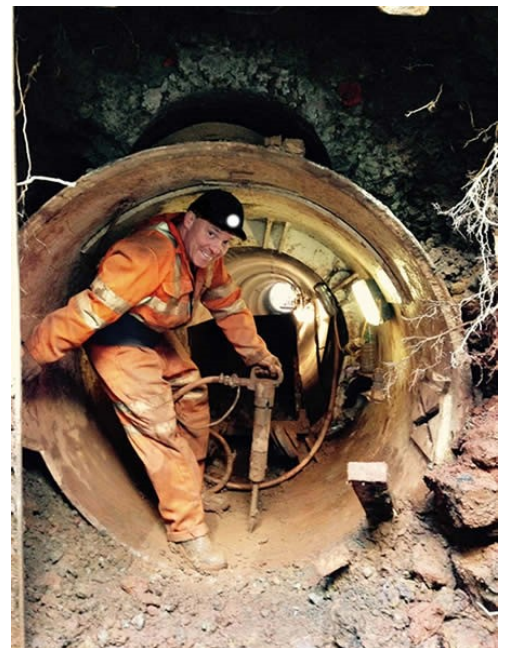
PROJECT DETAILS

An existing surface water culvert that passes below the very busy Leigh Road in Boothstown was becoming dilapidated. In times of high rainfall the culvert surcharged and flooding of the upstream inlet area occurred.

The investigative works showed that the masonry sections of the culvert were displaced in numerous locations and were restricting the flow.

The Client opted for a full upgraded replacement of the existing system to ensure the smooth passage of the flows for many years to come. Traffic flows on Leigh Road had to remain unaffected by the works and therefore required a trenchless method.

Due to the varied ground conditions we opted for a hand excavated pipejack to install 20m of DN1200 jacking pipes. The drive and reception pits were constructed using sheets and frame. Settlement monitoring of the carriageway was established and recorded no movement throughout the work. The remaining sections of pipe were laid in open cut and finished with PCC headwalls.



GROUND CONDITIONS

- Stiff dry CLAY, weak sandstone, existing culvert structure and MADE ground