

PIPE JACKING CASE STUDY

Shaw Brook Culvert Refurbishment



www.pipejacking.org

PROJECT	Shaw Brook Culvert Refurbishment
CLIENT	Salford MBC/Urban Vision
CONTRACTOR	A E Yates Ltd
PIPE SUPPLIER	F P McCann
VALUE	£51,000



PROJECT OVERVIEW

An existing water culvert flowing under the busy Leigh Road in Boothstown was surcharging in periods of heavy rainfall flooding the upstream inlet area. Sections of masonry were displaced, restricting flows and a fully upgraded replacement was installed by pipejacking to maximise water flow.

DESCRIPTION OF WORKS

Due to the varied ground conditions the contractor opted for a hand excavated pipejack to install 20 metres of 1200mm diameter jacking pipes. The drive and reception pits were constructed using sheets and frame.

Settlement monitoring of the carriageway was established and no movement was recorded throughout the work. The remaining sections of pipe were laid in open cut and finished with PCC headwalls

Ground conditions were stiff dry clay, weak sandstone, existing culvert structure and made ground.

FURTHER INFORMATION: www.aeyates.co.uk

