



# 24" (650mm) Bespoke Fabricated Encapsulation Collar - Bournemouth

On Wednesday 6<sup>th</sup> January 2016 R2M's technical support team was called to attend a leak in Wimborne near Bournemouth where a temporary repair clamp had been installed on a 24" cast iron main, but itself was leaking. It was immediately deemed suitable for an R2M encapsulation collar using R2M's tried and tested Duofit sealing system, but with a longer, fabricated body in order to encapsulate the stainless steel repair clamp.

The main callipered at 656-657mm and an offer was made to the customer who chose a delivery option of 3 working days, but included R2M's services for installation, as well as the fabrication and supply of the new collar.

The new collar was delivered to site on Monday 11<sup>th</sup> and installation began at 8.30am and was complete by 12.45, meaning 4hours 15mins were required.

The installation was deemed a success and a permanent repair made.

With this particular pipeline, conventional shut off was prohibitive as it would risk supplies to several thousand customers. The live encapsulation protected against this whilst avoiding provoking ongoing leaks and potential water quality issues which are always associated with large scale shut-offs.



Leaking temporary repair clamp



Final plug tested, valve in off position, repair complete



First End Ring Installed



Installation of new clamp under-way – top & bottom shells in place

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