

# Case Study – 32" Live Duofit Encapsulation on Severe Leak

During the night of 3<sup>rd</sup> October, R2M Site Services installed an 32" Nova Siria Duofit encapsulation collar and repaired a severe leak at 5.5bar. The severity of the leak was such that a 50mm jet of water was ejecting from the pipe horizontally and was then making a vertical geyser approximately 20ft into the air!

It was questioned as to the possibility of making a live repair although R2M Site Service's experienced team were able to bring the leak under control with the main casings of the Duofit, which then suppressed all spray, enabling the end ring seals to be installed and the repair completed with a 100mm gate valves vent. This was still a challenging installation due to the heavy bitumen coating on the pipe which had to be cleaned off in order to gain a seal. This meant the installation took circa 6hours.

The pipe measured 814mm which was perfect for the Duofit's range of 800-830mm. The Duofit was supplied from R2M's standard stock range on a next day service.

A shut off and conventional repair was highly prohibitive in this case as it would have disrupted supplies to approximately **68'000 homes** and businesses.

I full live, permanent repair was made with no disruption to any of the customers supplies.

