

CASE STUDY:

Zillmere Station, Brisbane



Work Performed

Cleared and Relined 41m of 150mm Earthenware and PVC sewer line which was badly broken and had seriously displaced joints for Queensland Rail.

Benefits

The pipe ran from one manhole, underneath two sets of railway tracks, to another manhole located in a car park. It was several meters deep and excavation would have meant closing down the train lines that run from Brisbane to the Gold Coast. The cost of diverting the commuters alone would have outweighed the cost of relining. Nuflow was able to reline the entire length, without any excavation and disruption to the train system. Commuters using the station amenities had no idea anything was happening.

A busy train route was under threat as the tracks ran over a main sewer line that was in extremely poor condition. Closing the tracks would have resulted in major disruptions to commuters, and therefore a public backlash against Queensland Rail.

After carrying out the initial CCTV inspection, we were able to verify the problem as being several badly displaced joints and cracks with roots throughout. Almost every joint along the 41m of sewer line showed various degrees of these problems.

The Sewer Reline

Using our latest resin technologies, and Hot Water Cure Systems, the line was structurally relined in less than 24 hours using a 3 man crew. The whole time during the works, the railway line and station was in operation.

Alternatives

An alternative to the relining of this project would have been to excavate the area and replace the pipe. This would have involved closing the railway lines and car park. These works would have caused major disruption to train commuters. A Queensland Rail worker was quoted as saying "We couldn't have done this without you guys".

Visit us at NUFLOWTECH.COM.AU or talk to us on 1800 NUFLOW for a solution.