

Storm-water Pipeline Filled with Benefil

INDUSTRY

Industrial

STRUCTURE

Pipeline

PROBLEM

Void filling & sealing

LOCATION

Auckland, New Zealand

DURATION / YEAR

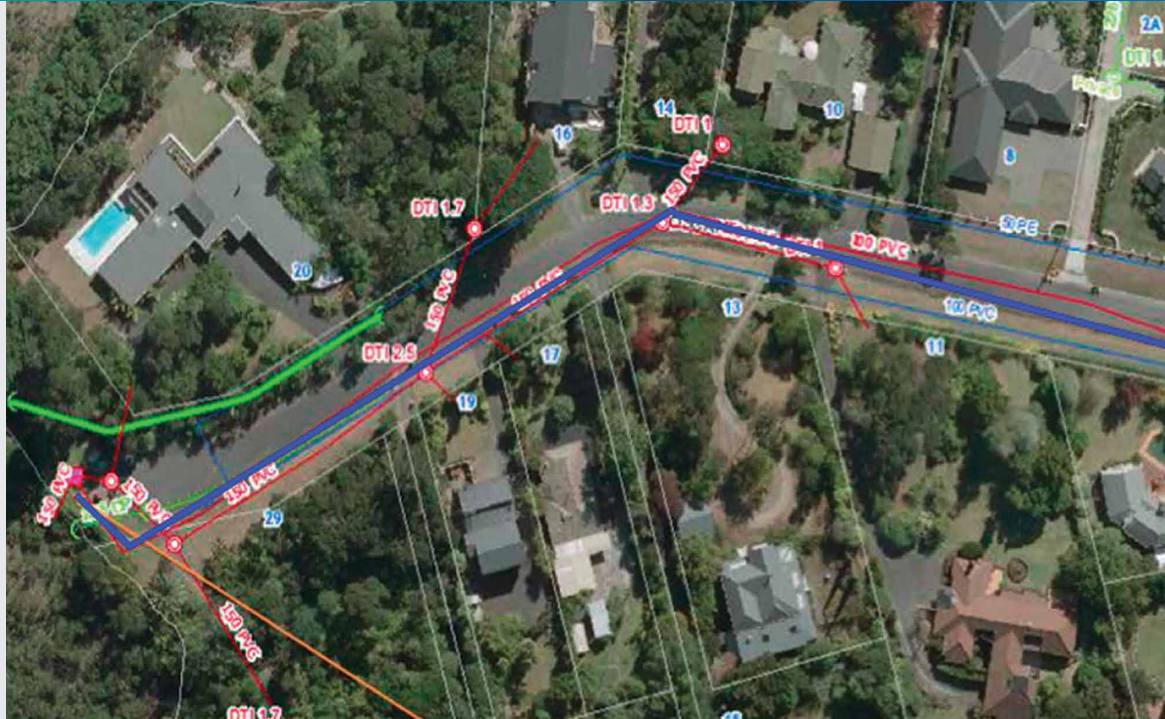
4 hours / 2013

TECHNOLOGY

Benefil

BUSINESS UNIT

Mainmark New Zealand



Summary

WaterCare Services Ltd was required to fill 300 linear metres of storm-water line beneath Greenhithe, Auckland. The council-owned pipeline, of DN 150, had previously been de-commissioned. However, as a compliance and safety issue, it had to be filled to prevent the possibility of dangerous collapse at some future date.

Using Benefil light-weight engineering filler grout, we completed the project for WaterCare Services very economically, with minimal interruption to traffic and in the very short time of just four hours.

Objectives

The aims were to completely fill the pipeline, making it as safe as possible and to do this economically, rapidly and with the least possible interruption to traffic and residents in this busy suburban area.

Solution

The Benefil amino-plastic expanding foam filler-grout was injected from just one central access point, a very small excavated site. The entire 300 linear metre line was filled from this point and in just one Benefil injection run.

The work was completed in just four hours. There was no disruption to traffic nor to the residents of Greenhithe.

The whole storm-water pipeline was filled as required with Benefil foam grout of sufficient density to preclude any possible disastrous future collapse.

Complete filling was achieved in such a short time that the WaterCare Services engineers were perfectly happy with the whole procedure and the resulting success.



Above, far: The storm-water pipe-line ran for 300m beneath Roland Road and Oscar Road in the Auckland suburb of Greenhithe. Above, below: Benefil injection pipes ran in both directions to complete the fill from just one central point in only four hours.