

Another Problem Solved by PipeServ

Location: Queensland, Australia

Application: Encapsulate Pipeline Flanges

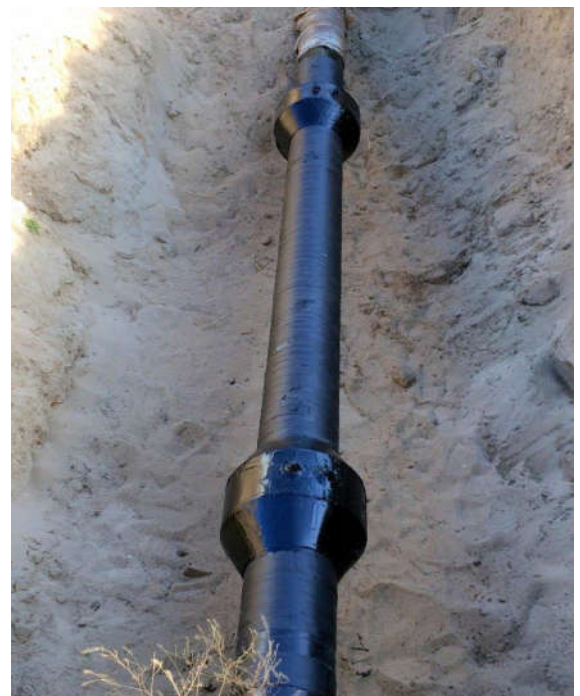
PipeServ was able to offer a solution when a DCVG survey led to the discovery of four (unknown) flanges on a buried pipeline. The pipeline owner wanted these flanges removed but this pipeline could not be shutdown and drained without considerable expense; so several options were considered:

- Hot Tap & Stopple to allow for cut-out of flanges.
- Construction of pits to allow for future inspections.
- Encapsulate the flanges using RAMFILL Sleeves.

The RAMFILL-B+RE epoxy filled sleeve was offered by PipeServ and proved to be the most cost effective solution. The Ramfill sleeves would encapsulate the flanges and prevent any leaks in the future. The pipeline and sleeves were coated (prior to back-filling) and the pipeline cathodic protection system would also protect the sleeves from corrosion. The installation included:

- Grit blast clean the flanges and pipeline.
- Apply RAM paste to flanges and pipe.
- Fit the RAM sleeves and weld.
- NDT inspection of all the welds.
- Pump RAM liquid epoxy to fill the sleeve.

The RAMFILL Repair Sleeve provided full encapsulation repair and is rated to the pipeline design pressures and temperatures as specified by the client. The epoxy filler is multi-purpose; providing for corrosion protection, leak sealing and for load transfer of pipeline to sleeve. This repair is permanent, completed on-line with no loss of production.



RAMFILL SLEEVE FULLY INSTALLED:
WELDED, NDT INSPECTED & FILLED
WITH RAM LIQUID EPOXY.