



CASE STUDY

Mechanical Drainage Rehabilitation

OVERVIEW

A Local Government came to TDM Pipeline Solutions with an issue of road subsidence (sinkhole) above a DN1500 road crossing culvert. TDM's culvert inspection identified extensive radial and longitudinal displacements at all joints.

Initially, the client only wanted the worst joint sealed. TDM Pipeline Solution's approach was to remediate and repair all joints within the culvert to ensure the job was as cost-effective as possible.

TDM SOLUTIONS

With a qualified confined space entry team, TDM Pipeline Solutions installed **9 DN1500 x 500mm long structural mechanical seals** at each of the culvert joints. Installation of the seals creates a sealed barrier between the inside and outside of the pipe, stopping infill and exfiltration of the culvert, significantly reducing the chance of any future sink holes and road erosion above.

RESULTS

- ✓ Efficient installation in a large diameter pipeline
- ✓ Environmentally friendly- minimising bushland disturbance as no large machinery was required
- ✓ The guaranteed lifetime of a minimum of 50 years

