



PIPELINE
SOLUTIONS

CASE STUDY

Land Development Drainage
Condition Assessment &
Defect Repair

OVERVIEW

The client engaged a third party contractor to perform a drainage condition assessment of a completed stage of the land development, which was required to present to the local council for signing off to achieve practical completion of the civil works relating to the stage.

Condition assessment identified several defects that required repair before Council would sign off the stage.

The quality of the vision captured in the condition assessment was believed to present reported defects that did not require repairs with reference to the Water Services Association of Australia (WSAA) codes.

The client was under pressure to get practical completion of the land development stage with the Christmas and New Years period fast approaching and the works programmed at the same time.



ACCREDITED INSTALLER

TDM has Accredited installers Australia wide - to install the Smart Lock Point Repair System. TDM is endorsed to install and fit Smart Lock in non-pressure gravity-fed sewerage and drainage pipes.

TDM SOLUTIONS

TDM presented the client with a detailed proposal to complete the repair works as per the condition assessment vision provided of which included re-capturing final condition assessment CCTV vision and a defect repair solution that included a series of sectional pipe repairs/patches and relining of road crossings 8-9 metres in length where sectional repairs/patching would have proven to be more costly.

The client engaged TDM to re-capture the condition assessment of which verified TDM's original position that some of the defects did not require repair to gain council sign off.

TDM presented transparent, trenchless rehabilitation reports to the client to determine the best option for rehabilitation.

TDM's relining specialists evaluated the scope to identify the most efficient and cost-effective means for completing the defect repairs and specified an approach that included section pipe repairs/patching and full UV or CIPP lining.



"Due to an extensive range of fleet, intelligent expertise and vast investment in world-leading trenchless solutions, TDM provided a customised total solutions approach and a practical completion guarantee!"

RESULTS

The final scope of works included the installation of 16 Smart Lock sectional pipe repairs to seal JDR in drains ranging from 525mm up to 825mm in diameter and a total of 31 metres relining across 4 sections with a CIPP resin-based liner.

Repair works were scheduled to be completed in a short turnaround (2 weeks).

Works completed on time and on budget with the client achieving 100% practical completion of the stage on time with no disruption to other scheduled works within the land development.

Delivered a cost-saving by re-capturing final condition assessment footage and not proceeding with some of the defect repairs where previous footage was inconclusive.



Expert CCTV technology



Defect identified for repair



Cost-effective Smart Lock repairs