

In-line Sewer Pipe Replacement - Gala Street, Invercargill City

Cost Effective, Smaller Work Footprint

In 2007, Southern Civil Contracting of Invercargill completed the Gala St sewer renewal, utilising over 840m of DN 150 RESTRAIN PVC Pipe, and more than 50 associated service lateral connections.

Existing glazed earthenware sewer pipes were disintegrated in-line, by reaming methods, using a conventional horizontal directional drill, with modified reaming head, whilst simultaneously screw-assembling and pulling in the replacement RESTRAIN PVC pipes.

“Shot” lengths of typically 80 – 100 m were achieved.

Connection to existing house service lateral utilized conventional moulded rubber ring joint PVC gravity sewer fittings.

Southern Civil reported choosing RESTRAIN to minimise residential traffic disruption, reduce site footprint needs, and to eliminate any need for heat fusion welding of the replacement pipe, or lateral connections.

Invercargill City Engineers liked the minimized disruption to local residents, reliable lateral connections with simple off-the-shelf PVC fittings in wet condition, on a naturally flat site, and in winter temperatures as low as -10 Deg C

Contractor;	Southern Civil, Invercargill.
Council;	Southland District Council.
Design Consultant;	xxxxxxxxxxc.

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HDD rig installing pilot rods into existing sewers



Reaming head connection to RESTRAIN,



RESTRAIN Joint Screw Assembly