

Docwra Street Rising Main

Date

October 2013 – April 2014

Location

Sebastopol, Victoria

Client

Central Highlands Water

Project Value

\$1.5m

Project Details

JAYDO was engaged by Central Highlands Water to install a new 2.5km section of sewer rising main from the Docwra St sewer pump station to Sebastopol Primary School on Yarrowee. Once complete, the new section of sewer rising main will cater for additional sewerage growth in the precinct and rectify existing capacity and operational constraints. The works involved open trenching in hard rock ground conditions.

This scope of works included:

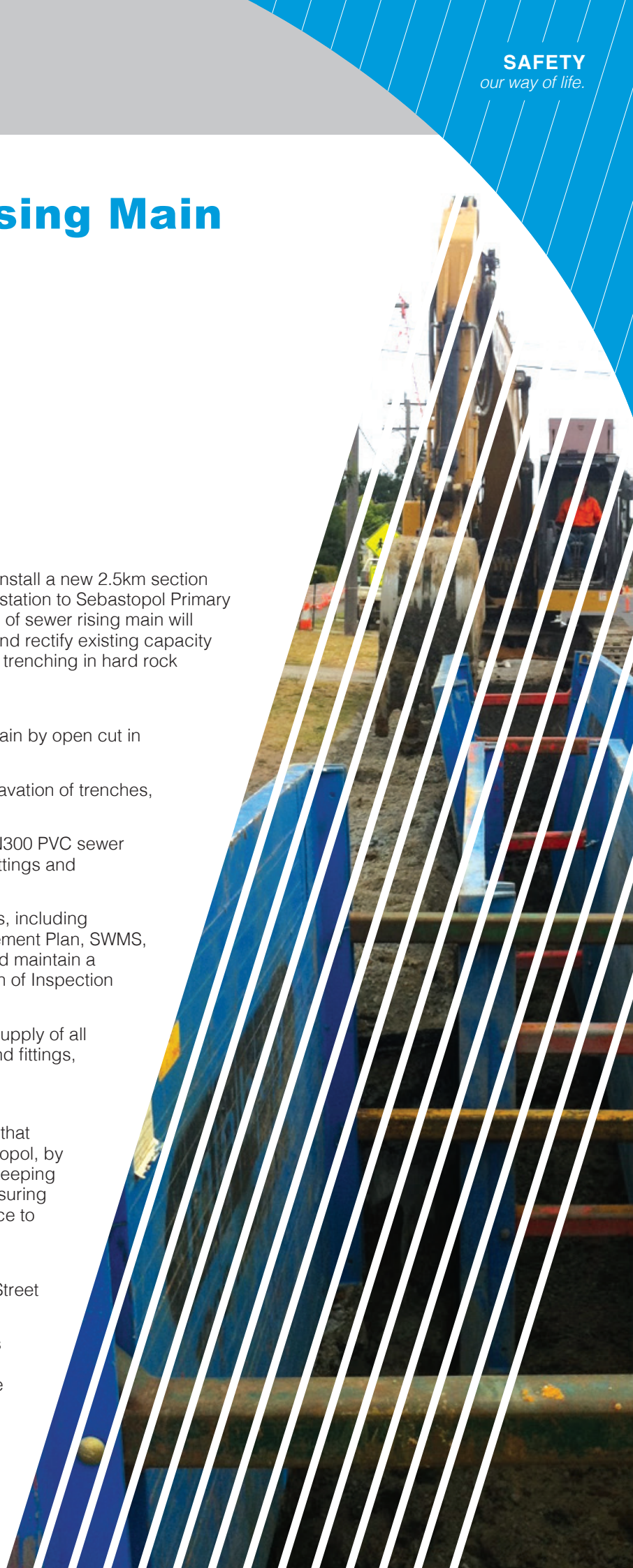
- Construction of DN450 PE100 PN16 sewer rising main by open cut in hard rock conditions
- Installation of PE pipes in new trench including excavation of trenches, disposal of excess spoil and welding
- Construction of upstream connection to existing DN300 PVC sewer rising main including supply and installation of all fittings and materials as shown
- Preparation and implementation management plans, including Health and Safety Plan, Site Environmental Management Plan, SWMS, Quality Plan, Traffic Management, and establish and maintain a Quality Assurance System including the preparation of Inspection and Test Plans.
- Acceptance testing and commissioning including supply of all materials, labour, equipment installation of pipes and fittings, embedment and backfilling.

Key Challenges

JAYDO managed a key part of the construction route that required the open trenching across Bridge St, Sebastopol, by scheduling works during early January 2014 and by keeping one lane open as not to disrupt local residents. By ensuring a comprehensive traffic management plan was in place to safely direct traffic.

Installation of PE pipes, inclusive of a DN630 PE100 PN12.5 sleeve, using trenchless methods for Bridge Street crossing reduced the budget required for our client.

JAYDO encountered significant rock during the works which had not been originally identified, utilizing JAYDO's considerable resources, industry knowledge and previous experience in such conditions work was still completed within the scheduled time frame for the completion.



Project Outcomes

JAYDO's delivery of this project provides benefits to the client and stake holders alike by reduced risk of sewerage overflow, reduction in annual operating costs and increased capacity for residential sewer growth. This was a landmark project for Central Highlands Water and JAYDO set the benchmark for all future projects.



JAYDO CONSTRUCTION

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