



# Malcolm Street Pressure Reducing Valve Station

Project start date: November 2016

Project completion date: March 2017

<b>Client</b>	Yarra Valley Water
<b>Comdain's role</b>	Principal Contractor
<b>Project description</b>	Construction of a new non-drinking water Pressure Reducing Station (PRS) along (the future) Lewis Street in Beveridge, approximately 40km North of Melbourne CBD.
<b>Works undertaken</b>	<ul style="list-style-type: none"><li>▪ Connection to existing OD355 HDPE non-drinking water main.</li><li>▪ Incoming and outgoing DN300 MSCL mains constructed by open cut in solid rock.</li><li>▪ Installation of Dual DN200 Bermad hydraulically operated, diaphragm actuated Pressure Reducing Valves and associated PRS pipetrains.</li><li>▪ Design, supply, installation and commissioning of all electrical works including control panel, metering and site security. This was completed by out in-house EI&amp;C specialist Systems Group.</li><li>▪ Installation and commissioning of control and monitoring instrumentation scope including wet panel and ultrasonic flow meter.</li></ul>
<b>Highlights &amp; Innovations</b>	<ul style="list-style-type: none"><li>▪ Innovative design to construct above ground PRS rather than traditional below ground arrangement reducing capital and operating costs. An above ground PRS also negates the operational safety risks as it eliminates all confined space / restricted access working conditions.</li><li>▪ Installation of fibre glass matting for acoustic treatment to reduce the noise levels exposed to surrounding residents</li><li>▪ 100% pass rate for high pressure hydrostatic test (1800kPa)</li></ul>

For more information contact:

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