

Stoney Creek Rising Sewer Main

Pipeline in Toronto NSW, Australia



Project Need

The Toronto 1 Rising Main has multiple pump stations feeding to it and pumps directly to the Blackalls Park Wastewater Treatment Works (WWTW).

The pump station is critical for the region's sewer infrastructure. It has a current duty of 330L/s.

The aggressive nature of the media, caused the the existing rising main's internal pipeline to corrode. As a result the pipe needed replacement in order to avoid failures and environmental incidents.

Solution

Hunter Water Corporation chose Steel Mains SINTAPIPE® as it is ideal for aggressive water applications such as high CO₂ water, septic sewage, trade wastes and highly saline water. It can operate at temperatures up to 50°C. SINTAPIPE makes use of the SINTAJoint® rubber ring jointing system to provide an unbroken, end to end, coating system.

The works were executed by Eire Constructions and included the design, pipe sourcing and construction of the new aerial crossing across Stoney Creek and the installation of a new air valve. The pipes were manufactured in in various lengths to capitalise on existing supports where possible from 8mm wall thickness, 300 MPa grade steel.

Achievements

Steel Mains delivered SINTAPIPE® to site to ensure that Eire were able to complete the project on time in accordance to their contract conditions. The pipeline was constructed with mild steel, fusion bonded polyethylene lining applied to both external and internal surfaces. SINTAPIPE® is ideal for aggressive water applications such as high CO₂ water, septic sewage, trade wastes and highly saline water.

www.steelmain.com

Project: Stoney Creek Rising Sewer Main

Principal: Hunter Water Corporation

Location: Toronto, NSW, Australia

Completion: November 2017

Supplied: 65m of 508mmOD Mild Steel Sintalined (MSSL) SINTAPIPE® RRJ pipe and associated fittings in)