

SYNTHO-GLOSS[®] XT

10" OD NATURAL GAS MAIN



Problem

This 10" OD natural gas main runs beneath railroad tracks and requires reinforcement due to the additional loads from the railroad tracks above.

Conditions

A 177' (54 meter) section of this natural gas main needed reinforcement due to the additional weight and pressure caused by the railroad track which runs above.

Solution

In order to promote adhesion, the pipe was cleaned by removing rust, paint, and other foreign matter in accordance with Sa2.5, NACE 2 or near white metal. Syntho-Subsea[™]LV, a Kelvar[®] filled Epoxy, ensures a water tight seal over the repair area while providing chemical resistance. Syntho-Glass[®]XT Extreme Tensile Strength Composite, a bi-directional fiberglass, permanently reinforces the additional loads transferred from the railroad tracks running above the line.

Result

The composite repair system reinforced the line. The repair was completed inexpensively in a matter of hours. Syntho-Glass XT reinforces the pipe's hoop and axial strength to enable operation at full MAOP.



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