

PROYEK PENGADAAN DAN PEMASANGAN JARINGAN PIPA HDPE

DN 400 MM, SIMPANG BYPASS LUBEG -SIMPANG TUGU UPI

LAPORAN TEKNIK



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Abstract

This report discusses the procurement and installation process of DN 400 mm HDPE pipes used for clean water distribution projects in the Padang City area. The main objective of the PROCUREMENT AND INSTALLATION OF DN 400 MM HDPE PIPE NETWORK, SIMPANG BYPASS LUBEG - SIMPANG TUGU UPI project is to provide pipe infrastructure that is reliable, durable and in accordance with technical standards to support an efficient water distribution system.

The work includes material procurement, site preparation, pipe installation using the butt fusion method, and system testing. DN 400 mm HDPE pipe was chosen because of its advantages, such as corrosion resistance, high flexibility and durability to suit field conditions.

The test results show that the system meets technical specifications, with hydrostatic pressure test results reaching the specified standards without any indication of leakage. This project was successfully completed according to the planned schedule and can be used as a model for similar projects in the future.

Key words: HDPE pipe, clean water distribution, pipe installation, butt fusion, hydrostatic pressure test.

