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REHABILITATION OF THE MANHOLES FOR THE MAIN SUPPLY LINES  
OF THE JOINT WATER MANAGEMENT AUTHORITY LUSSHARDT

ZV WV LUSSHARDTGRUPPE - WAGHÄUSEL

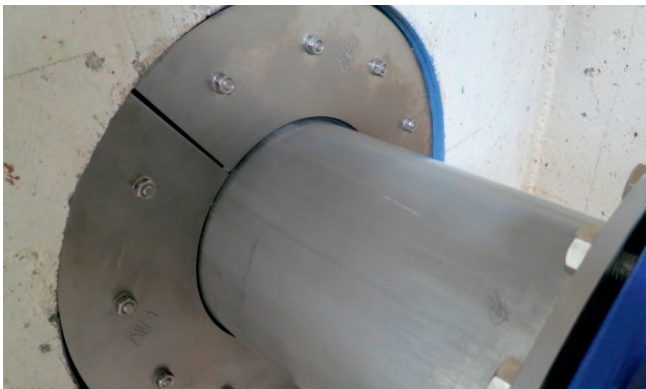
# REHABILITATION OF THE MANHOLES FOR THE MAIN SUPPLY LINES OF THE JOINT WATER MANAGEMENT AUTHORITY LUSSHARDT



core of the 800 mm core drill with the old steel pipe



installation of the split press seal HRD for sealing the stainless steel pipe in the core drilled hole



installed seal HRD (on the inside of the manhole)



HRD seal and stainless steel flange T-fitting with shut-off valve and venting valve



HRD seal installed in the core drilled hole with centered stainless steel pipe



construction pit with prepared underground and concreted support foundation to avoid settlement.

Some years ago the joint water management authority Lushardt started with rehabilitation measures for the manholes of the main supply lines to Hambruecken and Waghäusel-Wiesental. These manholes, of which several are over 50 years old, serve for cleaning and ventilation of the pipelines. Due to corrosion damages at the lines and fittings as well as damages on the concrete these measures became necessary. New inlet pipes as well as new fittings such as shut-off valves and venting valves are required. To avoid leakage at the wall penetrations the existing wall openings were drilled out. New stainless steel pipelines were laid to the openings and then connected. The sealing of the pipelines in the manhole wall was done with Hauff seals type HRD. After this the concrete surface was rehabilitated as well.

## PROJECT INFORMATION

Location	68753 Waghäusel
Building owner	Zweckverband „Wasserversorgung Lußhardt“
Planning	Ingenieurbüro für Bauwesen Dipl.-Ing. (FH) Harald Miltner Am Storrenacker 1b 76139 Karlsruhe
Installation company	Fa. Konrad Schweickert GmbH & Co. KG Bauunternehmen Murgstr. 7 76646 Bruchsal
Installation company	SEAR GmbH, Komesker Haus- und Umwelttechnik GmbH, STRABAG Bereich Mecklenburg Neubrandenburger Feuerschutz Lange e.K.

## SOLUTIONS PROVIDED BY HAUFF-TECHNIK

Specification	Split sealing made of stainless steel with an OD of 800 mm to seal a stainless steel pipe DN 500
Requirement	Sealing of the annular space between the core drilled hole of 800 mm and the stainless steel main supply line DN 500
Products used	Individual press seal type HRD HRD 800-1G-1/508

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