References

Quiet manholes



Uponor involvement

- Uponor supplied 180 manhole covers. Of these, 107 were installed in traffic areas and came with an extended warranty against noise. Pipes for stormwater drainage, sewerage, and drinking water supply.
- In collaboration with EsecEstonia OÜ, we developed a solution for installing manhole covers that allows us to offer the client a 5-year extended warranty ensuring that the covers will not start making noise when driven over over time.

Manhole covers on city streets - quiet and durable

Have you ever noticed how loud the noise can be when driving over manhole covers? This noise can be not only annoying but also disruptive to people's daily lives. However, thanks to our innovative approach and cutting-edge technology, we have been able to solve this problem and can offer builders quiet manhole covers that do not create noise when driven over and do not disturb the urban environment.

Our engineers have developed a unique method that ensures cast iron manhole covers operate completely silently. We machine the contact surfaces of the covers and flanges, making the cast iron cover's flange immovable and, as a result, virtually silent. Our manhole covers are not only quiet, but also durable and safe. In addition to the excellent quality of our products, we offer builders complete peace of mind. We provide a 5-year silence guarantee for Uponor Infra's specially treated manhole covers. This means that for five years, the installer of the covers does not have to worry about unpleasant noise on city streets. However, should any problems arise, we offer the builder immediate assistance in resolving them. Our professional team is always ready to help ensure the smooth operation and quietness of the sewer system. Our goal is to make the urban environment quieter and more comfortable.

Project Facts:

Location Tallinn, Estonia	Completion 2023
Building Type Transportation	
Address Jõe and Pronksi street	Project Type Renovation

Partners

Clients:

- Tallinn Municipal Services Department
- Tallinna Vesi
- Utilitas

General Contractor: KE Infra AS

Subcontractors:
VH Ehitus AS
EsecEstonia OÜ

Reconstruction of Jõe and Pronksi Street

In October 2022, a full-scale reconstruction of Jõe and Pronksi Streets began. The street space, which is currently primarily car-centric, will be redesigned to be modern, safe, and accommodating to all modes of transportation.

As a result of the reconstruction, pedestrian mobility will improve, and bike lanes separated from the roadway will be created, along with green spaces where pedestrians can take a short break.

Furthermore, the streets will feature abundant new landscaping—tree-lined avenues on both sides to beautify the street. A total of 43 new trees will be planted during the reconstruction, along with 1,372 shrubs.

All underground utility networks—water, sewer, gas, and electricity—will also be upgraded, and a modern street lighting infrastructure will be installed.

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