

# Project F212: Root-proof pipe bedding systems



How can root intrusion be prevented?

A test system was created within the framework of Sub-Project I, “Planting of large trees with an underground test system (root trenches) in Osnabrück”, in order to investigate various bedding materials for their effects on the regeneration of tree roots.

Sub-Project II is now pursuing two aims:

- the creation of rehabilitation zones to create optimum growth conditions for the roots of large trees.
- studies of a structurally optimised lava-based substrate with a view to its more extensive use for rainwater storage.

## Project title

“Environmentally safe sewer construction by means of root-resistant pipe bedding – Part II: Creation of rehabilitation zones with an underground test system (root trenches) around the large trees planted, at the Osnabrück location”

# Project management



Pipe joint exhibiting severe root infiltration

IKT - Institute for Underground Infrastructure

## Project participants

- Funke Kunststoffe GmbH
- Humberg Metall- und Kunstguss GmbH
- Opitz International GmbH & Co. KG
- Osnabrücker ServiceBetrieb
- Dipl.-Ing. Klaus Schröder
- Stadtwerke Osnabrück AG (municipal utility)
- Peter Stockreiter GmbH & Co. KG
- Dr. Markus Streckenbach (expert consultancy for urban vegetation)
- VulkaTec Riebensahm GmbH

## Client

German Federal Environmental Foundation (DBU)

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