



# Eesti Horisontaalpuur OÜ

## TECHNOLOGICAL DESCRIPTION OF HORIZONTAL DIRECTIONAL DRILLING

The Horizontal Directional Drilling (HDD)'s first stage is pilot drilling that will be done according to the project and marked line.

The second stage is to expand the drilled pilot hole to reach the desired tunnel size -it is called reaming (larger pipes needs several reamings).

At the same time with drilling work, it will be done pipe butt-welding.

After reaming(s) work is finished, it is ready for installing desired pipe(s) into the tunnel, where the reamer is in front and pipe(s) will be hooked behind the reamer.

Same time threw the pilot drill rod will be pumped bentonite solution about 3-5 times more than the volume of drilling soil. This will be done to transport superfluous soil out from the tunnel in to the target pit.



Bentonite solution that is mixed with soil will be pumped out from the target pit by sucking truck.

During all the drilling work the pipes are hermetic to avoid soil and other parts to get in to the pipe.

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Chairman of the board