References

PE pressure sewer system from Harjavalta to the city of Pori



Uponor involvement

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PE pressure sewer system pipe line is almost reach at its final destination. The length in total is almost 30 kilometers and the pipe diameter grows from 400 to 710 mm.

Project Facts:

Location
Finland

Completion
2010

Vrsta objekta
Municipal

Product systems
Potable water

Project Type
New building

Partners

contractor
Maa- ja vesirakennus Kiri Oy

The installation of PE pressure
sewer pipe line between Harjavalta and Pori is on time. The pipe line
started in Harjavalta with pipe diameter of 400 mm. The first part of

the pipe line was 8 kilometers long. When the pipe line reached to town of Nakkila the pipe diameter expanded to 500 mm due to increased volume of waste water. The second part of the pipe line with the bigger pipe diameter was 11 kilometers and the destination was the sewage treatment plant in Ulvila. Now in the city of Pori the pipe line has reached to the end. The third and the last part of the pipe line was carried out 710 mm diameter pipe. The length of the last part was 11 kilometers.

The purpose of the new pressure sewer pipe line is to reduce the stress of river Kokemäenjoki. Now all the waste water from towns of Harjavalta, Nakkila, Ulvila and Pori are handled in the sewerage treatment plant in Pori. Also one of goals is to reduce the number of sewerage treatment in the area of the new sewer pipe line.

The winter has created a challenging working environment for the contractor Maa- ja vesirakennus Kiri Oy. When the temperature is below – 15 ° C the installation has to be stopped due to polyethylene pipe cannot be handled in such cold weather. – There hasn't been winter like this for two years, says Timo Kiri, site superviser. Occasionally the installation site had to be closed down due to weather but we still are going to be finished at the end of June, right on time.

The last part of pipe line is going to be installed with No-Dig method. No-Dig methods are used specially in park areas and going under roads. The surface of the soil does not have to dig up and therefore it causes less harm for traffic, landscape and people. - There has been many challenges on the way but this is so unique project in Finland that in overall this has been really interesting project, Timo Kiri sums up.

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