

Referencias

## Sewage pipelines to sewage treatment plant - HDD method



### Involucración Uponor

- ✓ PE-HD WehoPipe pipes dzxe 1033.2 x 75.9 SDR 13.6 MOP 12.5 – 3101 m, PE-HD WehoPipe PN 10 SDR 17 DN 630÷1000 mm – 8916 m

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### Datos del proyecto:

Location  
Szczecin, Poland

Finalización  
2007

Tipo de edificio  
Edificio público

Product systems  
Sewer Municipal

Tipo de proyecto  
Obra nueva

### Colaboradores

#### Contractor:

Hydrobudowa 9 .I.B. S.A. from  
Poznań

The contractor scheduled using 3 different pipeline founding technologies: open excavation, microtunneling and horizontal drilling, where 6 largest crossings under water obstacles with the total length of over 3 km was done without excavation. The open excavation and microtunneling technology used standard PEHD WehoPipe pipes with DN 1000 x 59.3 mm PN 10 SDR 17. In the tunnels made by horizontal drilling, due to very hard geological conditions and founding at the depth of ca. 20 m, pipes with thicker outer walls were applied (d<sub>z</sub> 1033.2 x 75.9 SDR 13.6 MOP 12.5). The pipes were produced and delivered to the site in 15-metre sections to minimise the number of welds on the pipeline course.

In December 2006 after making pilot drilling, the first actual drill was made at the Customs Office. 460 and 465 m long sections were pulled into the drill under the Oder. The pipeline sections under the Parnicki Canal - 360 and 570 m long were founded in February 2007. With regard to a lack of space to mount the pipeline near the crossing, they had been welded on the Pucka Island, launched and transported by tugs to the site. In the case of the shorter section the whole pipe was pulled out of water and placed on rollers. The longer section was almost entirely pulled directly from the canal. It is worth noticing that it was the first in Poland installation of such a large polyethylene pipe transported and mounted almost completely from water. The pipelines were founded at the level of Pucka Island between March and April 2007. 620 m and 626 m long pipes were installed, breaking a new European record in the length of a large-dimension pipeline pulled into an HDD drill.

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Uponor Hispania, S.A.U

Avda. Leonardo da Vinci 15-17-19  
Parque Empresarial La Carpetania  
28906 Getafe (Madrid)  
Spain

Teléfono +34 91 685 36 00  
Email [servicioalcliente@uponor.com](mailto:servicioalcliente@uponor.com)  
W [www.uponor.com](http://www.uponor.com)